

REQUEST FOR PROPOSALS

ITEM DESCRIPTION: PCTA Indoor Track Replacement

DATE AND TIME TO BE OPENED: Wednesday, May 11, 2022 at 1:00PM

PRE-BID CONFERENCE (IF APPLICABLE): Monday, April 18, 2022 @ 1:00pm @ PCTA Main Entrance (41 Fricker St)

SUBJECT MATTER EXPERT (NAME): Jason Menard

SUBJECT MATTER EXPERT (EMAIL): Jason.Menard@ppsd.org

QUESTION DEADLINE: Monday, April 25, 2022 @ 4:30PM

Instructions

1. Bidders must submit sealed proposals in an envelope clearly labeled with the Item Description shown above on the outside of the envelope. The proposal envelope and any information relative to the proposal must be addressed to:

**Purchasing Department, Suite 206
ATTN: Molly Hannon
797 Westminster Street
Providence, RI 02903**

2. Bidders must include **at least** one original, one copy, and a digital PDF copy on a flash drive.
3. Proposal responses must be in ink or typewritten.
4. Bidders are advised that all materials submitted to Providence Public Schools for consideration in response to this Request for Proposals shall be considered to be public records as defined in [R.I. General Law Section 38-2 et seq.](#), without exception, and may be released for public inspection. All proposals submitted become the property of Providence Public Schools.
5. Bid proposals that are not present in the Providence Public Schools Purchasing Department at the time of opening for whatever cause will be deemed to be late and will not be considered. Postmarks shall not be considered proof of timely submission.
6. Questions regarding this request for proposals must be submitted to the Subject Matter Expert via email by the question deadline listed above. Questions will be answered via addendum to be posted publicly on the Providence Schools website. Bidders are responsible for checking the website for all addenda distributed in response to questions and requests for additional information.

Notice to Vendors General Terms

1. Providence Public Schools reserves the right to award the contract on the basis of the lowest responsible evaluated bid proposal.
2. In determining the lowest responsive evaluated bid proposal, cash discounts based on preferable payment terms will not be considered.
3. No proposal will be accepted if it is made in collusion with any other bidder.
4. Providence Public Schools reserves the right to award to a single vendor, to split the award between multiple vendors and to reject any and all proposals. Unless otherwise specified, Providence Public Schools reserves the right to make the award by item or items or by total as may be in its best interest.
5. As Providence Public Schools is exempt from the payment of Federal Excise Taxes and Rhode Island Sales Tax, prices quoted are not to include these taxes.
6. In case of error in the extension of prices quoted, the unit price will govern. In the event there is a discrepancy between the price written in words and written in figures, the prices written in words shall govern.
7. Awards shall be subject to the General Terms set forth herein, which terms shall be deemed accepted by the Bidder upon submission of the bid proposal, subject to the provisions of this paragraph, and shall be further deemed to be incorporated into the contract upon issuance of the award. Any proposed exceptions, modifications, or deviations from the terms, conditions, and specifications contained herein must be listed and fully explained on a separate sheet attached to the Bidder's detailed conditions and specifications and referred to separately in the Bids. Such proposed exceptions, modifications, or deviations shall be an additional variable for consideration by the Providence Public School District in addition to vendor qualifications, price, quantity, and/or scope of services. In all cases not indicated by Bidders as an exception, modification, or deviation, it is understood that the terms, conditions and specifications of the Providence Public School District shall apply. No exception, modification, or deviation shall be deemed accepted, approved, or otherwise incorporated into the contract unless expressly set forth in the award notice.
8. Proposals must meet the attached specifications. Bids may be submitted on an "equal in quality" basis. Providence Public Schools reserves the right to decide equality and determine whether bids are responsive. Bidders must indicate brand or make offered and submit detailed specifications if other than brand requested.
9. A bidder who is an out of-state corporation shall qualify or register to transact business in this State, in accordance with R.I. General Law [Section 7-1.2-1401](#) et seq. as amended)
10. Delivery dates must be shown in the bid. If no delivery dates are specified, it will be assumed that an immediate delivery from stock will be made.

11. Only one shipping charge will be applied in the event of partial deliveries for blanket or term contracts.
12. For contracts involving construction, alteration and/or repair work, the provisions of State Labor Law concerning payment of prevailing wage rates apply (See R.I. General Law [Section 37-13-1](#) et seq. as amended).
13. All proposals will be disclosed at the opening date and time listed above. After a reasonable lapse of time, tabulation of proposals may be viewed on the Providence Public School's website (<https://www.providenceschools.org/Page/4634>).
14. Awards will be made within ninety (90) days of the proposal opening. All proposal prices will be considered firm, unless qualified otherwise. Requests for price increases will not be honored.
15. No goods should be delivered and no work should be started without a Purchase Order from Providence Public Schools.
16. Prior to commencing performance under the contract, the successful bidder (the "Contractor") shall attest to compliance with provisions of R.I. General Law [Section 28-29-1](#), et seq. If exempt from compliance, the Contractor shall submit a sworn Affidavit by a corporate officer to that effect, which shall accompany the signed contract.
17. Prior to commencing performance under the contract, Contractor shall, submit a certificate of insurance, in a form and in an amount satisfactory to Providence Public Schools.
18. The Contractor will not be permitted to: assign or underlet the contract; or assign either legally or equitably any monies or any claim thereto without the previous written consent of the Director of Purchasing.
19. The Contractor shall not be paid in advance.
20. The contract shall be in effect from the date of award through **June 30, 2023** or for such other duration as may be agreed to in writing and signed by the parties, unless terminated by either party at any time, with or without cause.
21. In the event of termination by District or the Contractor prior to completion of the contract, compensation shall be prorated on the basis of hours actually worked, and the Contractor shall only be entitled to receive just and equitable compensation for any satisfactory work completed and expenses incurred up to the date of termination.
22. Failure to deliver within the time quoted or failure to meet specifications may result in default in accordance with the general specifications.
23. The Contractor must conduct a criminal background check, at the Contractor's expense, of all employees employed under the contract who interact with students, except District employees.

The Contractor shall provide a copy of the background check report(s) to the District, upon request.

24. The Contractor is not an employee of District and is not entitled to fringe benefits, pension, workers' compensation, retirement, etc. District shall not deduct Federal income taxes, FICA (Social Security), or any other taxes required to be deducted by an employer, as this is the responsibility of the Contractor.
25. The Contractor understands products produced as a result of the contract are the sole property of the District and may not be used by the Contractor without the express written permission of the District.
26. The Contractor agrees to hold District and the City of Providence harmless from any and all damages incurred by District or the City by reason of the Contractor's negligence or breach of contract, including without limitation, damages of every kind and nature, out-of-pocket costs, and legal expenses.
27. The contract may not be modified or amended in any way except by mutual agreement in writing and signed by each party. Notwithstanding the foregoing, and subject to the provision concerning exceptions, modifications, or deviations set forth in Paragraph 7 hereinabove, the General Terms shall not be modified or amended in any way by subsequent agreement. In the event of a conflict between the General Terms and any subsequent modification or amendment to the contract, the General Terms shall control.
28. The Contractor expressly submits itself to and agrees that all actions arising out of or related to the contract or the relationship between the parties shall occur solely in the venue and jurisdiction of the State of Rhode Island.
29. District agrees and acknowledges that Company and its licensors own all intellectual property rights in and to the Products including, without limitation, all trademarks, trade names, service marks and copyrights in the Products and all underlying software programs and related documentation. District agrees and acknowledges that District and any school shall not acquire any right, title or interest in or to any Company's intellectual property (IP), including, without limitation, software, trademarks, copyrights and other intellectual property of Company and no other rights are granted by Company to the District or any school in Company's IP by implication, estoppel or otherwise. District further acknowledges and agrees that Company shall continue, during the term hereof, to expand and modify its Products, in its sole discretion.
30. Data and Release (Representations and Warranties):
 - a. In connection with Company's provision of the Products to District and to allow for the proper functioning and purpose of the Products, the District agrees to and shall release certain data to the Company and agrees to permit the Company to collect certain data from District's users of the Products (collectively, "**Data**"). Certain of this Data may be subject to the Family Educational Rights and Privacy Act ("**FERPA**") (20 U.S.C. § 1232g; 34 CFR Part 99), in which case it will be known as FERPA Data ("**FERPA**").

Data”). Certain portions of the Data may be considered Personally Identifiable Information (“**Personally Identifiable Information**”). De-Identified Data (“**De-Identified Data**”) is data generated from usage of Company Products from which all Personally Identifiable Information has been removed or obscured so that it does not identify an individual student and there is no reasonable basis to believe the remaining information can be used to identify a student. For the purposes of this agreement De-Identified Data will not be considered Personally Identifiable Information and, thus, shall not be deemed FERPA Data, as defined above, or COPPA Data, as defined below. Personally Identifiable Information may be collected from students under the age of 13 during the normal course of such students’ use of the Products and thus may be subject to the Children’s Online Privacy Protection Act, in which case it will be known as COPPA Data (“**COPPA Data**”), but with respect to both COPPA Data and FERPA Data, such Data may only be used for the purpose of facilitating and enhancing the use and functionality of the Products and in connection with Company’s providing the Products to District and its users. Company will access, use, restrict, safeguard and dispose of all FERPA Data and COPPA Data related to this Agreement in accordance with FERPA and COPPA, respectively. Notwithstanding such release or collection, the FERPA Data, COPPA Data, and Personally Identifiable Information remain the property of the District.

- b. Company in providing Products to the Customer may use external service providers as required to facilitate a variety of operations, known as Third Party Service Providers. Outsourced operations may include, but are not limited to: web hosting, assisting with providing customer support, database reporting, analytics, and assisting with marketing or billing. As a result of this relationship, Third Party Service Providers may have access to Personally Identifiable Information. Company Partners are obligated to take appropriate commercially reasonable steps to maintain the confidentiality of all District information they receive in connection with Company Product and are subject to other legal restrictions that prohibit the use of District information for any purpose other than that described below for specific Company purpose. Any data exchanged with Third Party Service Providers will be deleted or transferred, per District request, when no longer needed, or at contract expiration. Company Partners should be submitted when bidding.
- c. Company assures that data is secured and protected in a manner consistent with industry standards at a minimum and has attached documentation reflecting Company’s existing data privacy and security guidelines and/or policies. The guidelines and/or policies will apply to both Personally Identified Information and De-Identified Data. Company’s use of Personally Identifiable Information shall be for the exclusive use of the District and/or third parties identified and approved by the District. Company may use De-Identified Data for the following purposes: to improve the Product, to demonstrate the effectiveness of the Product, and for research or other purposes related to developing and improving the Product. Company’s use of such De-Identified Data may survive termination of this Agreement.

- d. "Personally Identifiable Information" or "**PII**" means information provided to Company in connection with Company's obligations to provide the Products under the Agreement that (i) could reasonably identify the individual to whom such information pertains, such as name, address and/or telephone number or (ii) can be used to authenticate that individual, such as passwords, unique identification numbers or answers to security questions or (iii) is protected under Applicable Laws. For the avoidance of doubt, PII does not include aggregate, anonymized data derived from an identified or identifiable individual
- e. District represents and warrants that:
 - i. any such FERPA Data released to Company has been released pursuant to, among other things, a limited exception under FERPA acting for the District as a "**School Official**" with a legitimate educational interest for the purposes of providing the Products; and
 - ii. District has complied fully with FERPA and, among other things, has specified at least annually in a FERPA notification to parents/guardians that it uses outside contractors/consultants as "School Officials" to provide certain institutional services and functions such as those set forth in this Agreement.
- f. Company shall function as a school official of the District and agrees to the following conditions, as required by 20 U.S.C. Section 1232g and 34 C.F.R. Section 99.31:
 - i. Company is performing a service or function for which the District would otherwise use employees;
 - ii. Company is under the direct control of the District with respect to the use and maintenance of education records;
 - iii. Company is subject to the requirements of 34 C.F.R. Section 99.33(a) governing the use and re-disclosure of personally identifiable information from education records; and
 - iv. Company represents that it has the knowledge, skill and resources necessary to provide and maintain a web-based educational product or platform that is sufficiently secure and encrypted to protect confidential information.
- g. Company and District each represent and warrant that any COPPA Data and FERPA Data released and/or shared by Company and/or District for the purposes of this Agreement shall be covered by that party's respective agreement with the other party regarding FERPA Data and COPPA Data and no further agreement shall be needed by the other party for such release or sharing.
- h. Company and District agree that all such FERPA Data is provided on an "as is" basis and neither party shall be liable for any express or implied warranties, including but not limited to implied warranties of merchantability, non-infringement, and fitness for a particular purpose. Further, absent gross negligence or willful misconduct, neither party shall be liable to the other for any damages in whatever form or under any theory of liability for the "as is" data, even if advised of such.

31. **Data Transfer Protocol.** The District will assign a team representing technical and academic expertise (“District team”) to work with Company to establish the automated data transfer. The project timeline, services provided by Company, and tasks required of the District Team will be finalized in a Statement of Work provided by Company and agreed upon by the District. Company will need to provide a detailed data definition and layout document that the District team will use to map their data system(s) to Company’s data feed specification. At that point, Company will work with the District team to establish scheduled, automatic data transfers between the District student data system(s) and a secure file transfer protocol (“SFTP”) site hosted by Company. Company will provide their data validation rules to the District team. Every time new data is published to the SFTP, Company will validate the data, load the successful records into the Company data system, and send an email to the District team notifying them of potential errors.

32. **Ownership and Protection of Confidential Information**

- a. By virtue of this Agreement and providing District with the Products, the parties may have access to information of the other party that is deemed confidential (“**Confidential Information**”). Confidential Information includes information, ideas, materials or other subject matter of such party, whether disclosed orally, in writing or otherwise, that is provided under circumstances reasonably indicating that it is confidential or proprietary. Confidential Information includes, without limitation, all business plans, technical information or data, product ideas, methodologies, calculation algorithms and analytical routines; and all personnel, customer, contracts and financial information or materials disclosed or otherwise provided by such party (“**Disclosing Party**”) to the other party (“**Receiving Party**”). For the purposes of this agreement De-Identified Data will not be considered Confidential Information. Confidential Information does not include that which (a) is already in the Receiving Party’s possession at the time of disclosure to the Receiving Party, (b) is or becomes part of public knowledge other than as a result of any action or inaction of the Receiving Party in violation of this Agreement, (c) is obtained by the Receiving Party from an unrelated third party without a duty of confidentiality, or (d) is independently developed by the Receiving Party.

Confidential Information means any and all information of either party disclosed or otherwise made available to or learned by the parties under this Agreement, which is designated as “confidential” or “proprietary” or which, under all of the circumstances, ought reasonably to be treated as confidential, and includes, but is not limited to, school data and, all school student records and personnel records of both parties.

Company, the District, and each school partner will maintain the confidentiality of any and all Personally Identifiable Information exchanged as part of the Agreement. Confidentiality requirements will survive the termination or expiration of this Agreement. To ensure the continued confidentiality and security of student data, Company and school security plans will be followed

- b. Ownership. Confidential Information of either party (and any derivative works thereof or modifications thereto) is and will remain the exclusive property of that party or its

- licensors, as applicable. Neither party shall possess nor assert any lien or other right against or to Confidential Information of the other party. No Confidential Information of either party or any part thereof, will be sold, assigned, leased, or otherwise disposed of to third parties by the other party or commercially exploited by or on behalf of Company, its employees or agents.
- c. Method of Transfer. Company will employ industry best practices, both technically and procedurally, to protect the Data from unauthorized physical and electronic access during transfer.
 - d. Restrictions on Use. The Receiving Party shall not use Confidential Information of the Disclosing Party for any purpose other than in furtherance of this Agreement, with the understanding that the Company also retains aggregate, de-identified, anonymized information for improvement, research and development purposes. The Receiving Party shall not disclose Confidential Information of the Disclosing Party to any third parties except as otherwise permitted hereunder. The Receiving Party may disclose Confidential Information of the Disclosing Party only to those employees, subcontractors or agents who have a need to know such Confidential Information and who are bound to retain the confidentiality thereof under provisions (including, without limitation, provisions relating to nonuse and nondisclosure) no less restrictive than those required by the Receiving Party for its own Confidential Information. The Receiving Party shall maintain Confidential Information of the Disclosing Party with at least the same degree of care it uses to protect its own proprietary information of a similar nature or sensitivity, but with no less than reasonable care under the circumstances. Each party shall advise the other party in writing of any misappropriation or misuse of Confidential Information of the other party of which the notifying party becomes aware.
 - e. Exclusions. Notwithstanding the foregoing, this Agreement shall not prevent a party receiving a judicial order or other legal obligation from disclosing Confidential Information of the other party, provided that the other party is promptly notified and cooperates to allow intervention to contest or minimize the scope of the disclosure (including application for a protective order). Otherwise, neither Company nor any of its personnel may release confidential data or results if such data or results include individual person, District- or state-identifiable data or results, either directly or inferentially, unless agreed by the parties in writing on a case by case basis. Notwithstanding the foregoing, nothing in this Agreement shall limit Company's ability to use De-Identified Data for product development and research purposes as permitted under FERPA.
 - f. Destruction of Confidential Information. At no cost to the party that owns the Confidential Information, the other party shall upon (a) written request by the owner at any time, and (b) upon termination or expiration of this Agreement, securely eliminate or return promptly in the format and on the media in use as of the date of the written request, all or any requested portion of Confidential Information that may be in the other party's possession or control.

- g. Breaches and Misuse. A Security Incident is a suspected, attempted, or imminent threat of unauthorized access, use, disclosure, breach, modification, disruption or destruction to or of District Data. In the event of a Security Incident, Company shall investigate the Security Incident, identify the impact of the Security Incident and take commercially reasonable actions to mitigate the effects of any such Security Incident. If the Security Incident results in a Security Breach, a documented, unsecured disclosure, access, alteration or use of the data, not permitted in this Agreement, which poses a significant risk of financial, reputational or other harm to the affected End User or the District, Company shall, (i) timely provide any notifications to individuals affected by the Security Breach that Company is required to provide, and, (ii) notify District of the Security Breach, subject to applicable confidentiality obligations and to the extent allowed and/or required by Applicable Laws. Except to the extent prohibited by Applicable Laws, Company shall, upon District's written request, provide District with a description of the Security Breach and the type of data that was the subject of the Security Breach.

The parties will each cooperate fully in resolving any actual or suspected acquisition or misuse of Confidential Information.

33. In the event of termination by District or Company prior to completion of the contract, only the segment of fees attributable to non-licensing shall be subject to proration. Compliance with FERPA and COPPA is subject to survival of any provisions in accordance with their specific terms. Company obligations to comply with FERPA requirements will survive the expiration or termination of this contract.

BID FORM 1: BIDDER INFORMATION

Agrees to Bid on: PCTA Indoor Track Replacement

DATE AND TIME TO BE OPENED: Wednesday, May 11, 2022 at 1:00PM

Name of Bidder (Firm or Individual): _____

Business Address: _____

Contact Name: _____

Contact Email Address: _____

Contact Phone Number: _____

Base Bid (Preformed Athletic Flooring) (in numbers): _____

Base Bid (in writing) : _____

Alternate #1 (Fluid-Applied Athletic Flooring) (in numbers): _____

Alternate #1 (in writing) : _____

Signature of Representation

Title

Providence Public School District

Request for Proposals

PCTA Indoor Track Replacement

2022-2023

Funding Source (Contingent on Funding): PPSD Revolving Fund

I. Background

The Providence Public School Department is soliciting proposals for the indoor track replacement at PCTA.

II. Scope of Work & Key Deliverables

See attached drawings and specifications for complete scope of work. In general, the scope of work includes, but is not limited to, the removal and disposal of the existing indoor track in its entirety and furnish and installation of new indoor track with all markings.

III. Required Qualifications

PPSD requires a vendor to meet the qualifications and specifications listed below.

- Manufacturer must be certified ISO 9001 and ISO 14001
- Manufacturer must have a minimum of fifteen (15) years of experience in the manufacturing of prefabricated resilient running tracks
- Manufactured Product must have undergone a vulcanization process; factory lamination should not be accepted as equivalent
- Surfacing Contractor to be recognized and approved by the Manufacturer
- Surfacing Contractor shall be fully acquainted with the existing facility and utilities and shall fully understand the difficulties and restrictions attending the execution of the work under contract
- Flooring Contractor is responsible for immediately advising the Owner, in writing, of any restrictions or anticipated difficulty
- Surfacing Contractor to have completed at least ten (10) track and field facilities in North America that have been properly certified (when applicable) to meet specified Association requirements for desired level of competition
- Installer must be approved by the Surfacing Contractor and must have performed installations of the same scale in the last three (3) years
- Surfacing Contractor must ensure that a designated Project Manager/Superintendent be on site every day to supervise the installation of the Manufactured Product
- Substitution of Project Manager/Superintendent shall not be permitted
- Line Marker shall be approved by the Surfacing Contractor. Painting must be done by professionals with proper experience and qualifications to effectively perform the work; Line Marker to have painted a minimum of twenty (20) track and field facilities in North America that have been properly certified to meet specified Association requirements for desired level of competition

IV. Mandatory Pre-Bid Conference

Vendors interested in bidding on this solicitation must attend the mandatory pre-bid conference. Attendees should bring business cards. The mandatory pre-bid conference will be held on **Monday, April 18, 2022 @ 1:00pm @ the main entrance at Providence Career and Technical Academy at 41 Fricker Street, Providence, RI 02903.**

In accordance with current Providence Public School Department COVID policy, all attendees must wear a face mask over their nose and mouth while inside the building.

V. Timeline for Implementation

Mandatory Pre Bid – April 18, 2022 at 1:00PM

Question Deadline – April 25, 2022

Bid Due Date – May 11, 2022

Notice of Intent to Award – May 2022 (Subject to Change)

School Board Review – June 2022 (Subject to Change)

Construction Start – June 27, 2022 (Subject to Change)

Construction Complete – August 15, 2022 (Subject to Change)

VI. Proposal Requirements

Proposal shall include:

- Bid Form 1: Bidder Information (page 10 of this document)
- Company Narrative
- The resumes of the Project Manager and Athletic Flooring
- A list of five (5) references for same scope of services
- Any contract disputes or current litigation
- Detailed Pricing to include all trades, materials and labor
- Detailed Project Schedule to reflect appropriate lead time for materials. This schedule should reflect timelines for individual schools as well as the full project completion
- Business and trades licensure
- If your firm will be utilizing subcontractors for trades work please indicate what subs may be used

Incomplete bid packages will not be accepted.

MBE/ WBE – PPSD actively seeks Minority and Women business enterprises to participate in bids to meet the District's procurement needs.

The goal for Minority Business Enterprise (MBE) participation is **10%** of the total bid value.

The goal for Women's Business Enterprise (WBE) participation is **10%** of the total bid value.

The goal for combined MBE/WBE participation is **20%** of the total bid value.

VII. Limitations

This Request for Proposals (RFP) does not commit the Providence School Department to award any contract or pay for the preparation of any proposal submitted in response to this RFP. The Providence School Department may withdraw or amend this RFP in its entirety or in part, at any time if it is in the best interests of the organization to do so. This award is contingent upon the receipt of funding.

VIII. Questions

Questions concerning this solicitation should be emailed to **Jason.Menard@ppsd.org**. Questions are due by **April 25, 2022 @ 4:30pm**. Questions will be answered via addendum.

IX. Evaluation of Proposals

The district intends to make the award to the lowest cost qualified bidder(s) who demonstrate(s) that they could complete the project to our specifications and within the timeline stated.

**SECTION 00 01 01
PROJECT TITLE PAGE**

PROJECT MANUAL

FOR

PCTA INDOOR TRACK REPLACEMENT

PROVIDENCE PUBLIC SCHOOLS

PCTA

41 FRICKER ST.

PROVIDENCE, RI 02903

DATE:

APRIL 1, 2022

PREPARED BY:

STUDIOJAED ARCHITECTS & ENGINEERS

42 WEYBOSSET ST,

SUITE 403

PROVIDENCE, RI 02903

401 648 0884

END OF SECTION 00 01 01

SECTION 00 01 10
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PROCUREMENT AND CONTRACTING REQUIREMENTS

1.01 DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS

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- A. 01 10 00 - Summary
- B. 01 30 00 - Administrative Requirements
- C. 01 35 53 - Security Procedures
- D. 01 40 00 - Quality Requirements
- E. 01 42 16 - Definitions
- F. 01 50 00 - Temporary Facilities and Controls
- G. 01 60 00 - Product Requirements
- H. 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions
- I. 01 70 00 - Execution and Closeout Requirements
- J. 01 74 19 - Construction Waste Management and Disposal
- K. 01 78 00 - Closeout Submittals
- L. 01 79 00 - Demonstration and Training

2.02 DIVISION 02 -- EXISTING CONDITIONS

- A. 02 41 00 - Demolition

2.03 DIVISION 09 -- FINISHES

- A. 09 65 66 - Resilient Athletic Flooring

END OF SECTION 00 01 10

SECTION 01 10 00**SUMMARY****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Project Name: PCTA Indoor Track Replacement.
- B. Owner's Name: City of Providence, Providence Public School Department.
- C. The project consists of athletic floor replacement.

1.02 CONTRACT DESCRIPTION

- A. Contract Type: A single prime contract based on a Stipulated Price as described in RFP.

1.03 DESCRIPTION OF ALTERATIONS WORK

- A. Scope of demolition and removal work is shown on drawings and specified in Section 02 41 00.
- B. Scope of alterations work is shown on drawings and in specifications.

1.04 OWNER OCCUPANCY

- A. Owner intends to continue to occupy adjacent portions of the site during the entire construction period.
- B. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.

1.05 CONTRACTOR USE OF SITE

- A. Construction Operations: Limited to area of work.
 - 1. Locate and conduct construction activities in ways that will limit disturbance to site.
- B. Arrange use of site and premises to allow:
 - 1. Owner occupancy.
 - 2. Work by Others.
 - 3. Work by Owner.
 - 4. Use of site and premises by the public.
- C. Provide access to and from site as required by law and by Owner:
 - 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
 - 2. Do not obstruct roadways, sidewalks, or other public ways without permit.
- D. Existing building spaces may not be used for storage.
- E. Time Restrictions:
 - 1. Limit conduct of especially noisy, mal odorous and dusty interior and/or exterior work to the hours of when school is not in session.

1.06 WORK SEQUENCE

- A. Coordinate construction schedule and operations with Gilbane Building Company and the City of Providence

1.07 SPECIFICATION SECTIONS APPLICABLE TO ALL CONTRACTS

- A. Unless otherwise noted, all provisions of the sections listed below apply to all contracts. Specific items of work listed under individual contract descriptions constitute exceptions.
- B. Section 01 30 00 - Administrative Requirements.
- C. Section 01 35 53 - Security Procedures.
- D. Section 01 40 00 - Quality Requirements.
- E. Section 01 42 16 - Definitions.
- F. Section 01 50 00 - Temporary Facilities and Controls.

- G. Section 01 60 00 - Product Requirements.
- H. Section 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions.
- I. Section 01 70 00 - Execution and Closeout Requirements.
- J. Section 01 74 19 - Construction Waste Management and Disposal
- K. Section 01 78 00 - Closeout Submittals.
- L. Section 01 79 00 - Demonstration and Training

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION 01 10 00

SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Preconstruction meeting.
- B. Site mobilization meeting.
- C. Progress meetings.
- D. Construction progress schedule.
- E. Coordination drawings.
- F. Submittals for review, information, and project closeout.
- G. Number of copies of submittals.
- H. Submittal procedures.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 PRECONSTRUCTION MEETING

- A. Owner will schedule a meeting after Notice of Award.
- B. Attendance Required:
 - 1. Owner.
 - 2. Architect.
 - 3. Contractor.
- C. Agenda:
 - 1. Execution of Owner-Contractor Agreement.
 - 2. Submission of executed bonds and insurance certificates.
 - 3. Distribution of Contract Documents.
 - 4. Submission of list of Subcontractors, list of Products, schedule of values, and progress schedule.
 - 5. Designation of personnel representing the parties to Contract, OMB and Architect.
 - 6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
 - 7. Scheduling.
- D. StudioJAED will record minutes and distribute copies after meeting to participants and those affected by decisions made.

3.02 SITE MOBILIZATION MEETING

- A. Owner will schedule a meeting at the Project site prior to Contractor occupancy.
- B. Attendance Required:
 - 1. Contractor.
 - 2. Owner.
 - 3. Architect.
 - 4. Contractor's Superintendent.
 - 5. Contractor's Project Manager.
 - 6. Major Subcontractors.
- C. Agenda:
 - 1. Use of premises by Owner and Contractor.
 - 2. Owner's requirements and occupancy prior to completion.
 - 3. Construction facilities and controls provided by Contractor and Owner.
 - 4. Security and housekeeping procedures.

5. Schedules.
 6. Application for payment procedures.
 7. Procedures for maintaining record documents.
 8. Requirements for start-up of equipment.
- D. StudioJAED will record minutes and distribute copies after meeting to participants and those affected by decisions made.
- E. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.03 PROGRESS MEETINGS

- A. Schedule and administer meetings throughout progress of the Work at maximum bi-monthly intervals.
- B. Attendance Required: Job superintendent, major Subcontractors and suppliers, Owner, and Architect, as appropriate to agenda topics for each meeting.
- C. Agenda:
1. Review minutes of previous meetings.
 2. Review of Work progress.
 3. Field observations, problems, and decisions.
 4. Identification of problems that impede, or will impede, planned progress.
 5. Review of submittals schedule and status of submittals.
 6. Maintenance of progress schedule.
 7. Corrective measures to regain projected schedules.
 8. Planned progress during succeeding work period.
 9. Maintenance of quality and work standards.
 10. Effect of proposed changes on progress schedule and coordination.
 11. Other business relating to Work.
- D. StudioJAED will record minutes and distribute copies after meeting to participants and those affected by decisions made.
- E. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.04 CONSTRUCTION PROGRESS SCHEDULE

- A. Within 10 days after date of the Agreement, submit preliminary schedule defining planned operations for the first 60 days of Work, with a general outline for remainder of Work.
- B. If preliminary schedule requires revision after review, submit revised schedule within 10 days.
- C. Within 20 days after review of preliminary schedule, submit draft of proposed complete schedule for review.
1. Include written certification that major contractors have reviewed and accepted proposed schedule.
- D. Within 10 days after joint review, submit complete schedule.
- E. Submit updated schedule with each Application for Payment.

3.05 SUBMITTALS FOR REVIEW

- A. When the following are specified in individual sections, submit them for review:
1. Product data.
 2. Shop drawings.
 3. Samples for selection.
 4. Samples for verification.
- B. Submit to Architect for review for the limited purpose of checking for conformance with information given and the design concept expressed in the contract documents.
- C. Samples will be reviewed only for aesthetic, color, or finish selection.

- D. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 01 78 00 - Closeout Submittals.

3.06 SUBMITTALS FOR INFORMATION

- A. When the following are specified in individual sections, submit them for information:
 - 1. Design data.
 - 2. Certificates.
 - 3. Test reports.
 - 4. Inspection reports.
 - 5. Manufacturer's instructions.
 - 6. Manufacturer's field reports.
 - 7. Other types indicated.
- B. Submit for Architect's knowledge as contract administrator or for Owner. No action will be taken.

3.07 SUBMITTALS FOR PROJECT CLOSEOUT

- A. When the following are specified in individual sections, submit them at project closeout:
 - 1. Project record documents.
 - 2. Operation and maintenance data.
 - 3. Warranties.
 - 4. Bonds.
 - 5. Other types as indicated.
- B. Submit for Owner's benefit during and after project completion.

3.08 NUMBER OF COPIES OF SUBMITTALS

- A. Electronic Documents: Submit one electronic copy in PDF format; an electronically-marked up file will be returned. Create PDFs at native size and right-side up; illegible files will be rejected.
- B. Samples: Submit the number specified in individual specification sections; one of which will be retained by Architect.
 - 1. After review, produce duplicates.
 - 2. Retained samples will not be returned to Contractor unless specifically so stated.

3.09 SUBMITTAL PROCEDURES

- A. Submittals to be electronic.
- B. Transmit each submittal with approved form.
- C. Sequentially number the transmittal form. Revise submittals with original number and a sequential alphabetic suffix.
- D. Identify Project, Contractor, Subcontractor or supplier; pertinent drawing and detail number, and specification section number, as appropriate on each copy.
- E. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of Products required, field dimensions, adjacent construction Work, and coordination of information is in accordance with the requirements of the Work and Contract Documents.
- F. Schedule submittals to expedite the Project, and coordinate submission of related items.
- G. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.
- H. Identify variations from Contract Documents and Product or system limitations that may be detrimental to successful performance of the completed Work.
- I. Provide space for Contractor and Architect review stamps.
- J. When revised for resubmission, identify all changes made since previous submission.
- K. Distribute reviewed submittals as appropriate. Instruct parties to promptly report any inability to comply with requirements.

- L. Submittals not requested will not be recognized or processed.

END OF SECTION 01 30 00

**SECTION 01 35 53
SECURITY PROCEDURES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Security measures including entry control.

1.02 RELATED REQUIREMENTS

- A. Section 01 10 00 - Summary: use of premises.
- B. Section 01 50 00 - Temporary Facilities and Controls: Temporary lighting, site fence, and barriers and enclosures.

1.03 SECURITY PROGRAM

- A. Protect Work, existing premises and Owner's operations from theft, vandalism, and unauthorized entry.
- B. Initiate program in coordination with Owner's existing security procedures at project mobilization.
- C. Maintain program throughout construction period until Owner acceptance precludes the need for Contractor security.

1.04 ENTRY CONTROL

- A. Restrict entrance of persons and vehicles into Project site and existing facilities.
- B. Allow entrance only to authorized persons with proper identification.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION 01 35 53

SECTION 01 40 00
QUALITY REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. References and standards.
- B. Control of installation.
- C. Tolerances.
- D. Testing and inspection services.
- E. Manufacturers' field services.

1.02 REFERENCES AND STANDARDS

- A. For products and workmanship specified by reference to a document or documents not included in the Project Manual, also referred to as reference standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard of date of issue current on date of Contract Documents, except where a specific date is established by applicable code.
- C. Obtain copies of standards where required by product specification sections.
- D. Maintain copy at project site during submittals, planning, and progress of the specific work, until Substantial Completion.
- E. Should specified reference standards conflict with Contract Documents, request clarification from Architect before proceeding.
- F. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor those of Architect shall be altered from the Contract Documents by mention or inference otherwise in any reference document.

PART 3 EXECUTION

2.01 CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect before proceeding.
- D. Comply with specified standards as minimum quality for the Work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Have Work performed by persons qualified to produce required and specified quality.
- F. Verify that field measurements are as indicated on shop drawings or as instructed by the manufacturer.
- G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, and disfigurement.

2.02 TOLERANCES

- A. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to accumulate.
- B. Comply with manufacturers' tolerances. Should manufacturers' tolerances conflict with Contract Documents, request clarification from Architect before proceeding.
- C. Adjust products to appropriate dimensions; position before securing products in place.

2.03 TESTING AND INSPECTION

- A. See individual specification sections for testing required.
- B. Re-testing required because of non-conformance to specified requirements shall be performed by the same agency on instructions by Architect.
- C. Re-testing required because of non-conformance to specified requirements shall be paid for by Contractor.

2.04 MANUFACTURERS' FIELD SERVICES

- A. When specified in individual specification sections, require material or product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust and balance of equipment and operation as applicable, and to initiate instructions when necessary.
- B. Report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.

2.05 DEFECT ASSESSMENT

- A. Replace Work or portions of the Work not conforming to specified requirements.
- B. If, in the opinion of Architect, it is not practical to remove and replace the Work, Architect will direct an appropriate remedy or adjust payment.

END OF SECTION 01 40 00

SECTION 01 42 16
DEFINITIONS

PART 1 GENERAL

1.01 SUMMARY

- A. This section supplements the definitions contained in the General Conditions.
- B. Other definitions are included in individual specification sections.

1.02 DEFINITIONS

- A. Furnish: To supply, deliver, unload, and inspect for damage.
- B. Install: To unpack, assemble, erect, apply, place, finish, cure, protect, clean, start up, and make ready for use.
- C. Product: Material, machinery, components, equipment, fixtures, and systems forming the work result. Not materials or equipment used for preparation, fabrication, conveying, or erection and not incorporated into the work result. Products may be new, never before used, or re-used materials or equipment.
- D. Project Manual: The book-sized volume that includes the procurement requirements (if any), the contracting requirements, and the specifications.
- E. Provide: To furnish and install.
- F. Supply: Same as Furnish.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION 01 42 16

SECTION 01 50 00
TEMPORARY FACILITIES AND CONTROLS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Temporary utilities.
- B. Temporary telecommunications services.
- C. Temporary sanitary facilities.
- D. Temporary Controls: Barriers, enclosures, and fencing.
- E. Security requirements.
- F. Vehicular access and parking.
- G. Waste removal facilities and services.

1.02 TEMPORARY UTILITIES

- A. Owner will provide the following:
 - 1. Electrical power , consisting of connection to existing facilities.
 - 2. Water supply, consisting of connection to existing facilities.
- B. Use trigger-operated nozzles for water hoses, to avoid waste of water.

1.03 TEMPORARY SANITARY FACILITIES

- A. Provide and maintain required facilities and enclosures. Provide at time of project mobilization.
- B. Maintain daily in clean and sanitary condition.

1.04 BARRIERS

- A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public, to allow for owner's use of site and to protect existing facilities and adjacent properties from damage from construction operations and demolition.
- B. Protect non-owned vehicular traffic, stored materials, site, and structures from damage.
- C. Traffic Controls: Coordinate with the Owner.

1.05 EXTERIOR ENCLOSURES

- A. Provide temporary insulated weather tight closure of exterior openings to accommodate acceptable working conditions and protection for Products, to allow for temporary heating and maintenance of required ambient temperatures identified in individual specification sections, and to prevent entry of unauthorized persons. Provide access doors with self-closing hardware and locks.

1.06 INTERIOR ENCLOSURES

- A. Provide temporary partitions as indicated to separate work areas from Owner-occupied areas, to prevent penetration of dust and moisture into Owner-occupied areas, and to prevent damage to existing materials and equipment.
- B. Construction: Framing, plywood and reinforced polyethylene sheet materials with closed joints and sealed edges at intersections with existing surfaces:

1.07 SECURITY

- A. Provide security and facilities to protect Work, existing facilities, and Owner's operations from unauthorized entry, vandalism, or theft.
- B. Coordinate with Owner's security program.

1.08 VEHICULAR ACCESS AND PARKING

- A. Coordinate access and haul routes with governing authorities and Owner.

- B. Provide and maintain access to fire hydrants, free of obstructions.
- C. Parking is limited in this area. Parking will be coordinated by the contractor and will be off-site.

1.09 WASTE REMOVAL

- A. Provide waste removal facilities and services as required to maintain the site in clean and orderly condition.
- B. Provide containers with lids. Remove trash from site daily.
- C. If materials to be recycled or re-used on the project must be stored on-site, provide suitable non-combustible containers; locate containers holding flammable material outside the structure unless otherwise approved by the authorities having jurisdiction.
- D. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids.

1.10 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary utilities, equipment, facilities, materials, prior to Substantial Completion inspection.
- B. Clean and repair damage caused by installation or use of temporary work.
- C. Restore existing facilities used during construction to original condition.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION 01 50 00

**SECTION 01 60 00
PRODUCT REQUIREMENTS**

PART 1 GENERAL**1.01 SECTION INCLUDES**

- A. Transportation, handling, storage and protection.
- B. Product option requirements.
- C. Substitution limitations and procedures.
- D. Maintenance materials, including extra materials, spare parts, tools, and software.

1.02 SUBMITTALS

- A. Product Data Submittals: Submit manufacturer's standard published data. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information specific to this Project.
- B. Shop Drawing Submittals: Prepared specifically for this Project; indicate utility and electrical characteristics, utility connection requirements, and location of utility outlets for service for functional equipment and appliances.
- C. Sample Submittals: Illustrate functional and aesthetic characteristics of the product, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
 - 1. For selection from standard finishes, submit samples of the full range of the manufacturer's standard colors, textures, and patterns.

PART 2 PRODUCTS**2.01 NEW PRODUCTS**

- A. Provide new products unless specifically required or permitted by the Contract Documents.
- B. Where all other criteria are met, Contractor shall give preference to products that:
 - 1. If used on interior, have lower emissions, as defined in Section 01 61 16.
 - 2. If wet-applied, have lower VOC content, as defined in Section 01 61 16.
 - 3. Have a published GreenScreen Chemical Hazard Analysis.

2.02 PRODUCT OPTIONS

- A. Products Specified by Reference Standards or by Description Only: Use any product meeting those standards or description.
- B. Products Specified by Naming One or More Manufacturers: Use a product of one of the manufacturers named and meeting specifications, no options or substitutions allowed.
- C. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: Submit a request for substitution for any manufacturer not named.

2.03 MAINTENANCE MATERIALS

- A. Furnish extra materials, spare parts, tools, and software of types and in quantities specified in individual specification sections.
- B. Deliver to Project site; obtain receipt prior to final payment.

PART 3 EXECUTION**3.01 SUBSTITUTION PROCEDURES**

- A. Instructions to Bidders specify time restrictions for submitting requests for substitutions during the bidding period. Comply with requirements specified in this section.
- B. Document each request with complete data substantiating compliance of proposed substitution with Contract Documents.
- C. A request for substitution constitutes a representation that the submitter:

1. Has investigated proposed product and determined that it meets or exceeds the quality level of the specified product.
 2. Will provide the same warranty for the substitution as for the specified product.
 3. Will coordinate installation and make changes to other Work that may be required for the Work to be complete with no additional cost to Owner.
 4. Waives claims for additional costs or time extension that may subsequently become apparent.
- D. Substitution Submittal Procedure:
1. Submit three copies of request for substitution for consideration. Limit each request to one proposed substitution.
 2. Submit shop drawings, product data, and certified test results attesting to the proposed product equivalence. Burden of proof is on proposer.
 3. The Architect will notify Contractor in writing of decision to accept or reject request.

3.02 TRANSPORTATION AND HANDLING

- A. Package products for shipment in manner to prevent damage; for equipment, package to avoid loss of factory calibration.
- B. If special precautions are required, attach instructions prominently and legibly on outside of packaging.
- C. Coordinate schedule of product delivery to designated prepared areas in order to minimize site storage time and potential damage to stored materials.
- D. Transport and handle products in accordance with manufacturer's instructions.
- E. Transport materials in covered trucks to prevent contamination of product and littering of surrounding areas.
- F. Promptly inspect shipments to ensure that products comply with requirements, quantities are correct, and products are undamaged.
- G. Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement, or damage.
- H. Arrange for the return of packing materials, such as wood pallets, where economically feasible.

3.03 STORAGE AND PROTECTION

- A. Designate receiving/storage areas for incoming products so that they are delivered according to installation schedule and placed convenient to work area in order to minimize waste due to excessive materials handling and misapplication.
- B. Store and protect products in accordance with manufacturers' instructions.
- C. Store with seals and labels intact and legible.
- D. Store sensitive products in weather tight, climate controlled, enclosures in an environment favorable to product.
- E. For exterior storage of fabricated products, place on sloped supports above ground.
- F. Protect products from damage or deterioration due to construction operations, weather, precipitation, humidity, temperature, sunlight and ultraviolet light, dirt, dust, and other contaminants.
- G. Comply with manufacturer's warranty conditions, if any.
- H. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to prevent condensation and degradation of products.
- I. Prevent contact with material that may cause corrosion, discoloration, or staining.
- J. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.

- K. Arrange storage of products to permit access for inspection. Periodically inspect to verify products are undamaged and are maintained in acceptable condition.

END OF SECTION 01 60 00

SECTION 01 61 16**VOLATILE ORGANIC COMPOUND (VOC) CONTENT RESTRICTIONS****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Requirements for VOC-Content-Restricted products.

1.02 DEFINITIONS

- A. VOC-Content-Restricted Products: All products in the following product categories, whether specified or not:
 - 1. Interior paints and coatings.
 - 2. Interior adhesives and sealants, including flooring adhesives.
- B. Interior of Building: Anywhere inside the exterior weather barrier.
- C. Adhesives: All gunnable, trowelable, liquid-applied, and aerosol adhesives, whether specified or not; including flooring adhesives, resilient base adhesives, and pipe jointing adhesives.
- D. Sealants: All gunnable, trowelable, and liquid-applied joint sealants and sealant primers, whether specified or not; including firestopping sealants and duct joint sealers.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: For each VOC-restricted product used in the project, submit evidence of compliance.

1.04 QUALITY ASSURANCE

- A. VOC Content Test Method: 40 CFR 59, Subpart D (EPA Method 24), or ASTM D3960, unless otherwise indicated.
 - 1. Evidence of Compliance: Acceptable types of evidence are:
 - a. Report of laboratory testing performed in accordance with requirements.
- B. Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of the type specified in this section.

PART 2 PRODUCTS**2.01 MATERIALS**

- A. All Products: Comply with the most stringent of federal, State, and local requirements, or these specifications.
- B. VOC-Content-Restricted Products: VOC content not greater than required by the following:
 - 1. Adhesives, Including Flooring Adhesives: SCAQMD 1168 Rule.
 - 2. Joint Sealants: SCAQMD 1168 Rule.
 - 3. Paints and Coatings: Each color; most stringent of the following:
 - a. 40 CFR 59, Subpart D.
 - b. SCAQMD 1113 Rule.
 - c. CARB (SCM).

PART 3 EXECUTION**3.01 FIELD QUALITY CONTROL**

- A. Owner reserves the right to reject non-compliant products, whether installed or not, and require their removal and replacement with compliant products at no extra cost to Owner.
- B. Additional costs to restore indoor air quality due to installation of non-compliant products will be borne by Contractor.

END OF SECTION 01 61 16

SECTION 01 70 00
EXECUTION AND CLOSEOUT REQUIREMENTS

PART 1 GENERAL**1.01 SECTION INCLUDES**

- A. Examination, preparation, and general installation procedures.
- B. Cutting and patching.
- C. Surveying for laying out the work.
- D. Cleaning and protection.
- E. Starting of systems and equipment.
- F. Demonstration and instruction of Owner personnel.
- G. Closeout procedures, except payment procedures.
- H. General requirements for maintenance service.

1.02 RELATED REQUIREMENTS

- A. Section 01 10 00 - Summary: Limitations on working in existing building; continued occupancy; work sequence; identification of salvaged and relocated materials.
- B. Section 01 30 00 - Administrative Requirements: Submittals procedures.
- C. Section 01 40 00 - Quality Requirements: Testing and inspection procedures.
- D. Section 01 79 00 - Demonstration and Training: Demonstration of products and systems to be commissioned and where indicated in specific specification sections
- E. Section 07 84 00 - Firestopping.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Survey work: Submit name, address, and telephone number of Surveyor before starting survey work.
 - 1. On request, submit documentation verifying accuracy of survey work.
 - 2. Submit a copy of site drawing signed by the Land Surveyor, that the elevations and locations of the work are in compliance with Contract Documents.
 - 3. Submit surveys and survey logs for the project record.
- C. Cutting and Patching: Submit written request in advance of cutting or alteration that affects:
 - 1. Structural integrity of any element of Project.
 - 2. Integrity of weather exposed or moisture resistant element.
 - 3. Efficiency, maintenance, or safety of any operational element.
 - 4. Visual qualities of sight exposed elements.
 - 5. Work of Owner or separate Contractor.

1.04 QUALIFICATIONS

- A. For surveying work, employ a land surveyor registered in the State in which the Project is located and acceptable to Architect. Submit evidence of surveyor's Errors and Omissions insurance coverage in the form of an Insurance Certificate. Employ only individual(s) trained and experienced in collecting and recording accurate data relevant to ongoing construction activities,

1.05 PROJECT CONDITIONS

- A. Protect site from puddling or running water. Provide water barriers as required to protect site from soil erosion.
- B. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.

- C. Dust Control: Execute work by methods to minimize raising dust from construction operations. Provide positive means to prevent air-borne dust from dispersing into adjacent building areas, into atmosphere and over adjacent property.
- D. Noise Control: Provide methods, means, and facilities to minimize noise produced by construction operations.
- E. Pest Control: Provide methods, means, and facilities to prevent pests and insects from damaging the work.
- F. Rodent Control: Provide methods, means, and facilities to prevent rodents from accessing or invading premises.
- G. Pollution Control: Provide methods, means, and facilities to prevent contamination of soil, water, and atmosphere from discharge of noxious, toxic substances, and pollutants produced by construction operations. Comply with federal, state, and local regulations.

1.06 COORDINATION

- A. See Section 01 10 00 for occupancy-related requirements.
- B. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
- C. Notify affected utility companies and comply with their requirements.
- D. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- E. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- F. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- G. Coordinate completion and clean-up of work of separate sections.

PART 2 PRODUCTS

2.01 PATCHING MATERIALS

- A. New Materials: As specified in product sections; match existing products and work for patching and extending work.
- B. Type and Quality of Existing Products: Determine by inspecting and testing products where necessary, referring to existing work as a standard.
- C. Product Substitution: For any proposed change in materials, submit request for substitution described in Section 01 60 00.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Start of work means acceptance of existing conditions.
- B. Verify that existing substrate is capable of structural support or attachment of new work being applied or attached.
- C. Examine and verify specific conditions described in individual specification sections.
- D. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.

- E. Verify that utility services are available, of the correct characteristics, and in the correct locations.
- F. Prior to Cutting: Examine existing conditions prior to commencing work, including elements subject to damage or movement during cutting and patching. After uncovering existing work, assess conditions affecting performance of work. Beginning of cutting or patching means acceptance of existing conditions.

3.02 PREPARATION

- A. Clean substrate surfaces prior to applying next material or substance.
- B. Seal cracks or openings of substrate prior to applying next material or substance.
- C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

3.03 LAYING OUT THE WORK

- A. Promptly notify Architect of any discrepancies discovered.
- B. Layout work following survey on interior and exterior conditions.

3.04 GENERAL INSTALLATION REQUIREMENTS

- A. Install products as specified in individual sections, in accordance with manufacturer's instructions and recommendations, and so as to avoid waste due to necessity for replacement.
- B. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.
- C. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.
- D. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.
- E. Make neat transitions between different surfaces, maintaining texture and appearance.

3.05 CUTTING AND PATCHING

- A. Whenever possible, execute the work by methods that avoid cutting or patching.
- B. Perform whatever cutting and patching is necessary to:
 - 1. Complete the work.
 - 2. Fit products together to integrate with other work.
 - 3. Provide openings for penetration of mechanical, electrical, and other services.
 - 4. Match work that has been cut to adjacent work.
 - 5. Repair areas adjacent to cuts to required condition.
 - 6. Repair new work damaged by subsequent work.
 - 7. Remove samples of installed work for testing when requested.
 - 8. Remove and replace defective and non-conforming work.
- C. Execute work by methods that avoid damage to other work and that will provide appropriate surfaces to receive patching and finishing. In existing work, minimize damage and restore to original condition.
- D. Employ original installer to perform cutting for weather exposed and moisture resistant elements, and sight exposed surfaces.
- E. Cut rigid materials using masonry saw or core drill. Pneumatic tools not allowed without prior approval.
- F. Restore work with new products in accordance with requirements of Contract Documents.
- G. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- H. At penetrations of fire rated walls, partitions, ceiling, or floor construction, completely seal voids with fire rated material in accordance with Section 07 84 00, to full thickness of the penetrated element.
- I. Patching:

1. Finish patched surfaces to match finish that existed prior to patching. On continuous surfaces, refinish to nearest intersection or natural break. For an assembly, refinish entire unit.
2. Match color, texture, and appearance.
3. Repair patched surfaces that are damaged, lifted, discolored, or showing other imperfections due to patching work. If defects are due to condition of substrate, repair substrate prior to repairing finish.

3.06 PROGRESS CLEANING

- A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
- B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.
- C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.
- D. Collect and remove waste materials, debris, and trash/rubbish from site periodically and dispose off-site; do not burn or bury.

3.07 PROTECTION OF INSTALLED WORK

- A. Protect installed work from damage by construction operations.
- B. Provide special protection where specified in individual specification sections.
- C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.
- D. Remove protective coverings when no longer needed; reuse or recycle plastic coverings if possible.

3.08 SYSTEM STARTUP

- A. Coordinate schedule for start-up of various equipment and systems.
- B. Verify that each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence, and for conditions that may cause damage.
- C. Verify tests, meter readings, and specified electrical characteristics agree with those required by the equipment or system manufacturer.
- D. Verify that wiring and support components for equipment are complete and tested.
- E. Execute start-up under supervision of applicable Contractor personnel and manufacturer's representative in accordance with manufacturers' instructions.
- F. Submit a written report that equipment or system has been properly installed and is functioning correctly.

3.09 DEMONSTRATION AND INSTRUCTION

- A. See Section 01 79 00 - Demonstration and Training.

3.10 ADJUSTING

- A. Adjust operating products and equipment to ensure smooth and unhindered operation.
- B. Testing, adjusting, and balancing HVAC systems: See Section 23 05 93.

3.11 FINAL CLEANING

- A. Clean interior and exterior glass, surfaces exposed to view; remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, vacuum carpeted and soft surfaces.
- B. Remove all labels that are not permanent. Do not paint or otherwise cover fire test labels or nameplates on mechanical and electrical equipment.

- C. Clean equipment and fixtures to a sanitary condition with cleaning materials appropriate to the surface and material being cleaned.
- D. Replace filters of operating equipment.
- E. Clean debris from roofs, gutters, downspouts, and drainage systems.
- F. Clean site; sweep paved areas, rake clean landscaped surfaces.
- G. Remove waste, surplus materials, trash/rubbish, and construction facilities from the site; dispose of in legal manner; do not burn or bury.

3.12 CLOSEOUT PROCEDURES

- A. Make submittals that are required by governing or other authorities.
- B. Notify Architect when work is considered ready for Substantial Completion.
- C. Submit written certification that Contract Documents have been reviewed, work has been inspected, and that work is complete in accordance with Contract Documents and ready for Architect's review.
- D. Correct items of work listed in executed Certificates of Substantial Completion and comply with requirements for access to Owner-occupied areas.
- E. Notify Architect when work is considered finally complete.
- F. Complete items of work determined by Architect's final inspection.
- G. Provide completed documentation as follows:
 - 1. Consent to Surety of Final Payment
 - 2. Certificate of Substantial Completion
 - 3. Contractor Satisfaction of Debt and Claims
 - 4. Release of Liens for the Contractor, his Subcontractors, and his Suppliers

3.13 MAINTENANCE

- A. Provide service and maintenance of components indicated in specification sections.
- B. Maintenance Period: As indicated in specification sections or, if not indicated, not less than one year from the Date of Substantial Completion or the length of the specified warranty, whichever is longer.
- C. Examine system components at a frequency consistent with reliable operation. Clean, adjust, and lubricate as required.
- D. Include systematic examination, adjustment, and lubrication of components. Repair or replace parts whenever required. Use parts produced by the manufacturer of the original component.
- E. Maintenance service shall not be assigned or transferred to any agent or subcontractor without prior written consent of the Owner.

END OF SECTION 01 70 00

SECTION 01 74 19**CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL****PART 1 GENERAL****1.01 WASTE MANAGEMENT REQUIREMENTS**

- A. Owner requires that this project generate the least amount of trash and waste possible.
- B. Employ processes that ensure the generation of as little waste as possible due to error, poor planning, breakage, mishandling, contamination, or other factors.
- C. Minimize trash/waste disposal in landfills; reuse, salvage, or recycle as much waste as economically feasible.
- D. Owner may decide to pay for additional recycling, salvage, and/or reuse based on Landfill Alternatives Proposal specified below.
- E. If hazardous materials are discovered during removal operations, stop work and notify Architect and Owner; hazardous materials include regulated asbestos containing materials, lead, PCB's, and mercury
- F. Hazardous materials shall be removed and remediated in accordance with the Hazardous Material Abatement Plan. See Specification Section 00 01 02 Project Information for additional information.
- G. Contractor shall submit periodic Waste Disposal Reports; all landfill disposal, recycling, salvage, and reuse must be reported regardless of to whom the cost or savings accrues; use the same units of measure on all reports.
- H. Contractor shall develop and follow a Waste Management Plan designed to implement these requirements.
- I. Methods of trash/waste disposal that are not acceptable are:
 - 1. Burning on the project site.
 - 2. Burying on the project site.
 - 3. Other illegal dumping or burying.
- J. Regulatory Requirements: Contractor is responsible for knowing and complying with regulatory requirements, including but not limited to Federal, state and local requirements, pertaining to legal disposal of all construction and demolition waste materials.

1.02 RELATED REQUIREMENTS

- A. Section 01 30 00 - Administrative Requirements: Additional requirements for project meetings, reports, submittal procedures, and project documentation.
- B. Section 01 50 00 - Temporary Facilities and Controls: Additional requirements related to trash/waste collection and removal facilities and services.
- C. Section 01 70 00 - Execution and Closeout Requirements: Trash/waste prevention procedures related to demolition, cutting and patching, installation, protection, and cleaning.

1.03 DEFINITIONS

- A. Clean: Untreated and unpainted; not contaminated with oils, solvents, caulk, or the like.
- B. Construction and Demolition Waste: Solid wastes typically including building materials, packaging, trash, debris, and rubble resulting from construction, remodeling, repair and demolition operations.
- C. Hazardous: Exhibiting the characteristics of hazardous substances, i.e., ignitibility, corrosivity, toxicity or reactivity.
- D. Nonhazardous: Exhibiting none of the characteristics of hazardous substances, i.e., ignitibility, corrosivity, toxicity, or reactivity.
- E. Nontoxic: Neither immediately poisonous to humans nor poisonous after a long period of exposure.

- F. Recyclable: The ability of a product or material to be recovered at the end of its life cycle and remanufactured into a new product for reuse by others.
- G. Recycle: To remove a waste material from the project site to another site for remanufacture into a new product for reuse by others.
- H. Recycling: The process of sorting, cleansing, treating and reconstituting solid waste and other discarded materials for the purpose of using the altered form. Recycling does not include burning, incinerating, or thermally destroying waste.
- I. Return: To give back reusable items or unused products to vendors for credit.
- J. Reuse: To reuse a construction waste material in some manner on the project site.
- K. Salvage: To remove a waste material from the project site to another site for resale or reuse by others.
- L. Sediment: Soil and other debris that has been eroded and transported by storm or well production run-off water.
- M. Source Separation: The act of keeping different types of waste materials separate beginning from the first time they become waste.
- N. Toxic: Poisonous to humans either immediately or after a long period of exposure.
- O. Trash: Any product or material unable to be reused, returned, recycled, or salvaged.
- P. Waste: Extra material or material that has reached the end of its useful life in its intended use. Waste includes salvageable, returnable, recyclable, and reusable material.

PART 2 PRODUCTS

2.01 PRODUCT SUBSTITUTIONS

- A. See Section 01 60 00 - Product Requirements for substitution submission procedures.
- B. For each proposed product substitution, submit the following information in addition to requirements specified in Section 01 60 00:
 - 1. Relative amount of waste produced, compared to specified product.
 - 2. Cost savings on waste disposal, compared to specified product, to be deducted from the Contract Sum.
 - 3. Proposed disposal method for waste product.
 - 4. Markets for recycled waste product.

PART 3 EXECUTION

3.01 WASTE MANAGEMENT PROCEDURES

- A. See Section 01 10 00 for list of items to be salvaged from the existing building for relocation in project or for Owner.
- B. See Section 01 30 00 for additional requirements for project meetings, reports, submittal procedures, and project documentation.
- C. See Section 01 50 00 for additional requirements related to trash/waste collection and removal facilities and services.
- D. See Section 01 60 00 for waste prevention requirements related to delivery, storage, and handling.
- E. See Section 01 70 00 for trash/waste prevention procedures related to demolition, cutting and patching, installation, protection, and cleaning.

END OF SECTION 01 74 19

SECTION 01 78 00
CLOSEOUT SUBMITTALS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Project Record Documents.
- B. Operation and Maintenance Data.
- C. Warranties and bonds.

1.02 RELATED REQUIREMENTS

- A. Section 01 30 00 - Administrative Requirements: Submittals procedures, shop drawings, product data, and samples.
- B. Section 01 70 00 - Execution and Closeout Requirements: Contract closeout procedures.
- C. Individual Product Sections: Specific requirements for operation and maintenance data.
- D. Individual Product Sections: Warranties required for specific products or Work.

1.03 SUBMITTALS

- A. Project Record Documents: Submit documents to Architect with claim for final Application for Payment.
- B. Operation and Maintenance Data:
 - 1. Submit two copies of preliminary draft or proposed formats and outlines of contents before start of Work. Architect will review draft and return one copy with comments.
 - 2. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit completed documents within ten days after acceptance.
 - 3. Submit one copy of completed documents 15 days prior to final inspection. This copy will be reviewed and returned after final inspection, with Architect comments. Revise content of all document sets as required prior to final submission.
 - 4. Submit two sets of revised final documents in final form within 10 days after final inspection.
- C. Warranties and Bonds:
 - 1. For equipment or component parts of equipment put into service during construction with Owner's permission, submit documents within 10 days after acceptance.
 - 2. Make other submittals within 10 days after Date of Substantial Completion, prior to final Application for Payment.
 - 3. For items of Work for which acceptance is delayed beyond Date of Substantial Completion, submit within 10 days after acceptance, listing the date of acceptance as the beginning of the warranty period.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 PROJECT RECORD DOCUMENTS

- A. Maintain on site one set of the following record documents; record actual revisions to the Work:
 - 1. Drawings.
 - 2. Specifications.
 - 3. Addenda.
 - 4. Change Orders and other modifications to the Contract.
 - 5. Reviewed shop drawings, product data, and samples.
 - 6. Manufacturer's instruction for assembly, installation, and adjusting.
- B. Ensure entries are complete and accurate, enabling future reference by Owner.
- C. Store record documents separate from documents used for construction.
- D. Record information concurrent with construction progress.

- E. Specifications: Legibly mark and record at each product section description of actual products installed, including the following:
 - 1. Changes made by Addenda and modifications.
- F. Record Drawings and Shop Drawings: Legibly mark each item to record actual construction including:
 - 1. Field changes of dimension and detail.
 - 2. Details not on original Contract drawings.

3.02 OPERATION AND MAINTENANCE DATA

- A. Source Data: For each product or system, list names, addresses and telephone numbers of Subcontractors and suppliers, including local source of supplies and replacement parts.
- B. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable information.
- C. Drawings: Supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams. Do not use Project Record Documents as maintenance drawings.
- D. Typed Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.

3.03 OPERATION AND MAINTENANCE DATA FOR MATERIALS AND FINISHES

- A. For Each Product, Applied Material, and Finish:
 - 1. Product data, with catalog number, size, composition, and color and texture designations.
- B. Instructions for Care and Maintenance: Manufacturer's recommendations for cleaning agents and methods, precautions against detrimental cleaning agents and methods, and recommended schedule for cleaning and maintenance.
- C. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.

3.04 OPERATION AND MAINTENANCE DATA FOR EQUIPMENT AND SYSTEMS

- A. For Each Item of Equipment and Each System:
 - 1. Description of unit or system, and component parts.
 - 2. Identify function, normal operating characteristics, and limiting conditions.
 - 3. Include performance curves, with engineering data and tests.
 - 4. Complete nomenclature and model number of replaceable parts.
- B. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.
- C. Operating Procedures: Include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control, stopping, shut-down, and emergency instructions. Include summer, winter, and any special operating instructions.
- D. Maintenance Requirements: Include routine procedures and guide for preventative maintenance and trouble shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
- E. Provide servicing and lubrication schedule, and list of lubricants required.
- F. Include manufacturer's printed operation and maintenance instructions.
- G. Include sequence of operation by controls manufacturer.
- H. Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- I. Additional Requirements: As specified in individual product specification sections.

3.05 ASSEMBLY OF OPERATION AND MAINTENANCE MANUALS

- A. Assemble operation and maintenance data into durable manuals for Owner's personnel use, with data arranged in the same sequence as, and identified by, the specification sections.
- B. Where systems involve more than one specification section, provide separate tabbed divider for each system.
- C. Binders: Commercial quality, 8-1/2 by 11 inch three D side ring binders with durable plastic covers; 2 inch maximum ring size. When multiple binders are used, correlate data into related consistent groupings.
- D. Cover: Identify each binder with typed or printed title OPERATION AND MAINTENANCE INSTRUCTIONS; identify title of Project; identify subject matter of contents.
- E. Project Directory: Title and address of Project; names, addresses, and telephone numbers of Architect, Consultants, Contractor and subcontractors, with names of responsible parties.
- F. Tables of Contents: List every item separated by a divider, using the same identification as on the divider tab; where multiple volumes are required, include all volumes Tables of Contents in each volume, with the current volume clearly identified.
- G. Dividers: Provide tabbed dividers for each separate product and system; identify the contents on the divider tab; immediately following the divider tab include a description of product and major component parts of equipment.
- H. Text: Manufacturer's printed data, or typewritten data on 20 pound paper.
- I. Drawings: Provide with reinforced punched binder tab. Bind in with text; fold larger drawings to size of text pages.
- J. Arrangement of Contents: Organize each volume in parts as follows:
 - 1. Project Directory.
 - 2. Table of Contents, of all volumes, and of this volume.
 - 3. Operation and Maintenance Data: Arranged by system, then by product category.
 - a. Source data.
 - b. Operation and maintenance data.
 - c. Field quality control data.
 - d. Photocopies of warranties and bonds.

3.06 WARRANTIES AND BONDS

- A. Obtain warranties and bonds, executed in duplicate by responsible Subcontractors, suppliers, and manufacturers, within 10 days after completion of the applicable item of work. Except for items put into use with Owner's permission, leave date of beginning of time of warranty until the Date of Substantial completion is determined.
- B. Verify that documents are in proper form, contain full information, and are notarized.
- C. Co-execute submittals when required.
- D. Retain warranties and bonds until time specified for submittal.
- E. Manual: Bind in commercial quality 8-1/2 by 11 inch three D side ring binders with durable plastic covers.
- F. Cover: Identify each binder with typed or printed title WARRANTIES AND BONDS, with title of Project; name, address and telephone number of Contractor and equipment supplier; and name of responsible company principal.
- G. Table of Contents: Neatly typed, in the sequence of the Table of Contents of the Project Manual, with each item identified with the number and title of the specification section in which specified, and the name of product or work item.

- H. Separate each warranty or bond with index tab sheets keyed to the Table of Contents listing. Provide full information, using separate typed sheets as necessary. List Subcontractor, supplier, and manufacturer, with name, address, and telephone number of responsible principal.

END OF SECTION 01 78 00

SECTION 01 79 00
DEMONSTRATION AND TRAINING

PART 1 GENERAL

1.01 SUMMARY

- A. Demonstration of products and systems to be commissioned and where indicated in specific specification sections.
- B. Training of Owner personnel in operation and maintenance is required for:
 - 1. Electrical systems and equipment.
 - 2. Items specified in individual product Sections.

1.02 RELATED REQUIREMENTS

- A. Section 01 78 00 - Closeout Submittals: Operation and maintenance manuals.
- B. Other Specification Sections: Additional requirements for demonstration and training.

1.03 QUALITY ASSURANCE

- A. Instructor Qualifications: Familiar with design, operation, maintenance and troubleshooting of the relevant products and systems.
 - 1. Provide as instructors the most qualified trainer of those contractors and/or installers who actually supplied and installed the systems and equipment.
 - 2. Where a single person is not familiar with all aspects, provide specialists with necessary qualifications.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 DEMONSTRATION - GENERAL

- A. Demonstrations conducted during system start-up do not qualify as demonstrations for the purposes of this section, unless approved in advance by Owner.
- B. Demonstrations conducted during Functional Testing need not be repeated unless Owner personnel training is specified.
- C. Demonstration may be combined with Owner personnel training if applicable.
- D. Operating Equipment and Systems: Demonstrate operation in all modes, including start-up, shut-down, seasonal changeover, emergency conditions, and troubleshooting, and maintenance procedures, including scheduled and preventive maintenance.
 - 1. Perform demonstrations not less than two weeks prior to Substantial Completion.
 - 2. For equipment or systems requiring seasonal operation, perform demonstration for other season within six months.
- E. Non-Operating Products: Demonstrate cleaning, scheduled and preventive maintenance, and repair procedures.
 - 1. Perform demonstrations not less than two weeks prior to Substantial Completion.

3.02 TRAINING - GENERAL

- A. Conduct training on-site unless otherwise indicated.
- B. Owner will provide classroom and seating at no cost to Contractor.
- C. Training schedule will be subject to availability of Owner's personnel to be trained; re-schedule training sessions as required by Owner; once schedule has been approved by Owner failure to conduct sessions according to schedule will be cause for Owner to charge Contractor for personnel "show-up" time.
- D. Be prepared to answer questions raised by training attendees; if unable to answer during training session, provide written response within three days.

END OF SECTION 01 79 00

SECTION 02 41 00 DEMOLITION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Selective demolition of built site elements.
- B. Legal disposal of demolished items.

1.02 RELATED REQUIREMENTS

- A. Section 01 10 00 - Summary: Limitations on Contractor's use of site and premises.
- B. Section 01 10 00 - Summary: Sequencing and staging requirements.
- C. Section 01 50 00 - Temporary Facilities and Controls: Site fences, security, protective barriers, and waste removal.
- D. Section 01 60 00 - Product Requirements: Handling and storage of items removed for salvage and relocation.
- E. Section 01 70 00 - Execution and Closeout Requirements: Project conditions; protection of bench marks, survey control points, and existing construction to remain; reinstallation of removed products; temporary bracing and shoring.

1.03 REFERENCE STANDARDS

- A. 29 CFR 1926 - U.S. Occupational Safety and Health Standards.
- B. NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.

1.05 PROJECT CONDITIONS

- A. Minimize production of dust due to demolition operations.

PART 3 EXECUTION

2.01 SCOPE

- A. As indicated on Drawings and herein specified.

2.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Comply with other requirements specified in Execution and Closeout Requirements.
- B. Comply with applicable codes and regulations for demolition operations and safety of the public.
 - 1. Obtain required permits.
 - 2. Conduct operations to minimize effects on and interference with adjacent construction and occupants.
 - 3. Do not close or obstruct means of egress corridors, roadways or sidewalks without permit.
 - 4. Conduct operations to minimize obstruction of public and private entrances and exits; do not obstruct required exits at any time; protect persons using entrances and exits from removal operations.
- C. Do not begin removal until built elements to be salvaged or relocated have been removed.

2.03 EXISTING UTILITIES

- A. Protect existing utilities to remain from damage.

2.04 SELECTIVE DEMOLITION FOR ALTERATIONS

- A. Drawings showing existing construction and utilities are based on casual field observation and existing record documents only.

1. Verify that construction and utility arrangements are as shown.
 2. Report discrepancies to Architect before disturbing existing installation.
 3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
- B. Remove existing work as indicated and as required to accomplish new work.
1. Remove items indicated on drawings and notes.
- C. Protect existing work to remain.
1. Perform cutting to accomplish removal neatly and as specified for cutting new work.
 2. Repair adjacent construction and finishes damaged during removal work.
 3. Patch as specified for patching new work.

2.05 EXISTING SITE IMPROVEMENTS DEMOLITION

- A. Existing Subsurface Conditions: Verify existing materials and respective thicknesses.
- B. Demolish, remove, and dispose of existing flooring.

2.06 REMOVE DEBRIS, AND TRASH FROM SITE.

- A. Remove from site all materials not to be reused on site.
- B. Leave site in clean condition, ready for subsequent work.
- C. Clean up spillage and wind-blown debris from public and private lands.
- D. See Section 01 74 19 Construction Waste Management and Disposal.

END OF SECTION 02 41 00

SECTION 09 65 66
RESILIENT ATHLETIC FLOORING

PART 1 GENERAL**1.01 SECTION INCLUDES**

- A. Fluid-applied, homogeneous polyurethane flooring.
- B. Fluid-applied polyurethane flooring over rubberized base mat. (Alternate #1)
- C. Resilient Athletic Flooring: prefabricated rubber track surfacing (hereinafter referred to as "Resilient Track Surfacing").
- D. Accessories required for installation.
- E. Maintenance and repair.
- F. Painted game lines.

1.02 RELATED REQUIREMENTS

- A. Section 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions.

1.03 REFERENCE STANDARDS

- A. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers--Tension.
- B. ASTM D2240 - Standard Test Method for Rubber Property--Durometer Hardness.
- C. DIN EN 14904 - Surfaces for Sports Areas – Indoor Surfaces for Multi-Sports Use – Specification.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's printed data sheets for products specified.
- C. Shop Drawings: Fabrication and installation details, and layout, colors, and widths of game lines and equipment locations.
- D. Selection Samples: Manufacturer's color charts for flooring materials specified and game line paints, indicating full range of colors and textures available.
- E. Verification Samples: Actual flooring material specified, not less than 12 inch square, mounted on solid backing.
- F. Test Reports: Submit test reports showing compliance with DIN EN 14904.
- G. Concrete Subfloor Test Report: Submit a copy of the moisture and alkalinity (pH) test reports.
- H. Manufacturer's Instructions: Indicate standard and special installation procedures.
- I. Installer's qualification statement.
- J. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Extra Flooring Material: 10 square yards matching installed flooring.

1.05 QUALITY ASSURANCE

- A. Manufacturer must be certified ISO 9001 and ISO 14001.
- B. Manufacturer must have a minimum of fifteen (15) years of experience in the manufacturing of prefabricated resilient running tracks.
- C. Manufactured Product must have undergone a vulcanization process; factory lamination should not be accepted as equivalent.
- D. Surfacing Contractor to be recognized and approved by the Manufacturer.
- E. Surfacing Contractor shall be fully acquainted with the existing facility and utilities and shall fully understand the difficulties and restrictions attending the execution of the work under contract.

Flooring Contractor is responsible for immediately advising the Owner, in writing, of any restrictions or anticipated difficulty.

- F. Surfacing Contractor to have completed at least ten (10) track and field facilities in North America that have been properly certified (when applicable) to meet specified Association requirements for desired level of competition.
- G. Installer must be approved by the Surfacing Contractor and must have performed installations of the same scale in the last three (3) years.
- H. Surfacing Contractor must ensure that a designated Project Manager/Superintendent be on site every day to supervise the installation of the Manufactured Product. Substitution of Project Manager/Superintendent shall not be permitted.
- I. Line Marker shall be approved by the Surfacing Contractor. Painting must be done by professionals with proper experience and qualifications to effectively perform the work; Line Marker to have painted a minimum of twenty (20) track and field facilities in North America that have been properly certified to meet specified Association requirements for desired level of competition.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. See Section 01 74 19 - Construction Waste Management and Disposal for packaging waste requirements.
- B. Deliver materials to project site in unopened containers clearly labeled with manufacturer's name and identification of contents.
- C. Store materials in dry and clean location until needed for installation. During installation, handle in a manner that will prevent marring and soiling of finished surfaces.

1.07 SITE CONDITIONS

- A. The Contractor shall be responsible for ensuring all site conditions meet the requirements of the Manufacturer.
- B. No sealers or curing compounds are applied to the concrete.
- C. Substrate surface must be free of all contaminants that can inhibit bond (paint, wax, dust, oil or grease, sealer, curing compound, solvent, asphalt, old adhesive residues, etc.). All contaminants must be removed from the surface via mechanical abatement. Use of abatement chemicals is not recommended.
- D. Concrete substrates must be free of any hydrostatic and/or moisture problems. Moisture and alkalinity tests must be performed on all concrete substrates, under in-service conditions, prior to Resilient Track Surfacing installation. It is highly recommended to turn on the heating, ventilation and air-conditioning (HVAC) unit 7 days prior to performing tests, in order to ensure stable testing conditions and accurate results.
- E. Maintain stable room and substrate temperatures prior to moisture tests and Resilient Track Surfacing installation, during the Resilient Track Surfacing installation, as well as a minimum of 48 hours after the Resilient Track Surfacing has been completely installed. Recommended ambient temperature range is between 65oF and 86oF (18oC and 30oC) and recommended ambient humidity range is between 35% and 55%. Substrate temperature must always remain a minimum of 5°F (3°C) above dew point for the duration of the Resilient Track Surfacing installation and for 72 hours post-installation.

1.08 WARRANTY

- A. Manufactured Product is warranted to be free from manufacturing defects for a period of one (1) year from the date that is maximum 90 days from shipment from Mondo, per the terms and conditions of Mondo's Limited Material Warranty.
- B. For standard applications, Manufactured Product is warranted against excessive wear under normal usage for a period of ten (10) years from the date that is maximum 90 days from shipment from Mondo, per the terms and conditions of Mondo's Limited Material Warranty.

- C. Refer to current copy of Mondo's Limited Material Warranty for all terms and conditions, which shall be obtained directly from Mondo. In no event shall any warranties provided by any third parties (including distributors, insurance and/or private label providers) be considered as valid.

PART 2 PRODUCTS

2.01 FLUID-APPLIED ATHLETIC FLOORING

- A. Manufacturers: All products by the same manufacturer.
1. Herculan Sports Flooring: www.herculan.com
- B. Homogeneous Polyurethane Flooring System, Type Herculan SR Sprint:
1. Flexible polyurethane top layer, broadcasted with EPDM
 2. Polyurethane pore filler
 3. Bonded SBR base layer
 4. Total System Thickness: Minimum .0531 inch, 13mm.
 - a. Seamless, spike-resistant system with point elastic properties.
 - b. Consists of a rubber underlayer in-situ installed, to which a strong, flexible, polyurethane poured layer is added that is covered in colored EPDM granules.
 - c. Water-impermeable, spike-resistant, UV-resistant and weather-resistant.
 5. Friction dry - 83
 6. Friction wet - 57
 7. Vertical deformation -2mm
 8. Shockabsorption @ 23 °C - 42%
 9. Tensile strength before aging - .51 Mpa
 10. Tensile strength after exposure to hot water and heat - .60 Mpa
 11. Elongation at break before aging - 52%
 12. Elongation at break after exposure to hot water and heat - 54%
 13. Spike resistance - Tensile strength before aging - .43 Mpa
 14. Spike resistance - Tensile strength after exposure to hot water and heat - 50 Mpa
 15. Spike resistance - Elongation at break before aging - 45%
 16. Spike resistance - Elongation at break after exposure to hot water and heat - 55%
 17. Absolute thickness - 13mm
 18. Wear resistance before aging - 2g
 19. Wear resistance after exposure to UV light - 2g
 20. Water permeability - Not permeable
 21. Primer: Manufacturer's recommended standard for project substrate.
 - a. Resin: Two-component, solid, pigmented, self-leveling polyurethane without fillers, with properties as follows:
 - 1) Formulation: Zero mercury.
 - 2) Temperature Stability: Unaffected over range of 0 to 120 degrees F.
 - b. Finish Coating: Manufacturer's standard pigmented, two-component polyurethane wear layer.
 - 1) Color: As selected from manufacturer's standard range.
- C. Polyurethane Flooring Over Rubberized Base Mat, Type _____:
1. Total System Thickness: Minimum 1/4 inch; with minimum 0.07 inch polyurethane.
 2. Base Mat: Prefabricated rubber mat of recycled rubber granules in polyurethane binder.
 3. Sealer: Manufacturer's standard two-component polyurethane compound designed to seal base mat before application of resin topcoat.
 4. Resin: Two-component, solid, pigmented, self-leveling polyurethane without fillers, zero mercury formulation, with properties as follows:
 - a. Tensile strength: Minimum 1000 psi, per ASTM D412.
 - b. Durometer Hardness, Type A: Minimum of 70, when tested in accordance with ASTM D2240.
 - c. Ultimate Elongation: Minimum 100 percent, per ASTM D412.

5. Finish: Manufacturer's standard pigmented two-component polyurethane topcoat, matte finish, in color as selected from manufacturer's standard range.

2.02 PREFORMED ATHLETIC FLOORING

- A. Manufacturers: All products by the same manufacturer.
 1. Mondo: Mondo S.p.A., Piazzale E. Stroppiana, 1, 12051 Alba, Fraz. Gallo – Italia..
 2. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Materials:
 1. Resilient Track Surfacing: Super X 720 manufactured by Mondo
- C. Type:
 1. Super X 720 is prefabricated rubber track surfacing with a honeycomb (elongated hexagon shaped) design and engineered shock absorption layer for superior biomechanical properties and athlete comfort, calendared and vulcanized with a particular closed cell structure, based on special isoprenic rubbers, mineral fillers, stabilizing agents and pigmentation, with a system of differential elasticity between top surface and base, as manufactured by Mondo.
 2. Vulcanized, dual durometer construction. The shore hardness of the top layer (wear layer) will be greater than that of the bottom layer (backing). Shore hardness of layers to be recommended by the Manufacturer and to respect limits specified.
 - a. Thickness: 0.531 in (13.5 mm).
 3. Colors: Provided in standard, solid background colors. Consult available colors for indoor applications.
 4. Surface Texture: Matte Super X 720 embossing. Non-directional, irregular tessellation patterns with interconnected surface channels. Directional patterns shall be deemed unacceptable.
 5. Format: Sheets available in widths ranging from 4' (1.22 m) to 5'3" (1.60 m) and an average length of 49'2" (15 m) [min. 19'8" (6 m)/max. 52'5" (16 m)].

2.03 LIMITATIONS

- A. Athletic footwear with spikes is permitted onto Super X 720, provided that use and spike specifications always respect Manufacturer's most current guidelines, as outlined in the bulletin Spike Recommendations for Super X and Mondotrack.

2.04 ACCESSORIES

- A. Leveling Compound: Latex-modified cement formulation as recommended by flooring manufacturer for substrate conditions.
- B. Flooring Adhesive: Waterproof; types recommended by flooring manufacturer.
- C. Adhesive certified by Manufacturer: Mondo PU 105 (polyurethane) for installations over concrete substrates. For suitability, recommendations and use, please refer to Manufacturer's current printed adhesive guidelines.
- D. Portland cement based patching or leveling compound to be recommended/approved by Manufacturer.
- E. All painting products are to be recommended/approved by Manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates for conditions detrimental to installation of athletic flooring. Proceed with installation only after unsatisfactory conditions have been corrected.
- B. Ensure that concrete surface is free of any contaminant that could inhibit bond (paint, wax, dust, oil or grease, sealer, curing compound, solvent, asphalt, old adhesive residues, etc.). All contaminants must be removed from the surface via mechanical abatement. Use of abatement chemicals is not recommended.

- C. Confirm concrete has a smooth finish, proper density and is highly compacted with a tolerance of 1/8th of an inch in a 10-foot radius (3.2 mm in a 3.05 m radius). Floor Flatness (FF) and Floor Levelness (FL) numbers are not recognized.
- D. Concrete substrates must be free of any hydrostatic and/or moisture problems. Moisture and alkalinity tests must be performed on all concrete substrates, under in-service conditions. For accurate test results, ensure that the HVAC unit has been operational for 7 days and that the ambient conditions are stable, prior to performing any moisture and alkalinity tests. The concrete's surface pH must be between 7 and 10.
- E. Relative humidity of the concrete slab must not exceed the tolerance of the adhesive specified, in accordance with the current version of ASTM F2170 (in situ probes). Moisture vapor emissions from the concrete slab must not exceed the tolerance of the adhesive specified, in accordance with the current version of ASTM F1869 (anhydrous calcium chloride). Where tolerances are exceeded and a moisture mitigation system will be specified, refer to ASTM F3010. Moisture and alkalinity test results must be recorded and copies must be kept for a minimum of 3 years or for the duration of the warranty period.
- F. Ensure room and substrate temperatures are maintained prior to moisture testing and Resilient Track Surfacing installation, during the entire installation, as well as a minimum of 48 hours after the Resilient Track Surfacing has been completely installed.
- G. Prior to Resilient Track Surfacing, Flooring Contractor must ensure that the substrate is ready to receive resilient flooring and that it has been effectively prepared according to Manufacturer's current substrate surface preparation guidelines.
- H. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of athletic flooring to substrate.

3.02 PREPARATION

- A. Prepare floor substrates as recommended by flooring and adhesive manufacturers.
- B. Prepare substrate surface in accordance with Manufacturer's current printed guidelines.
- C. Remove coatings that are incompatible with flooring adhesives, using methods recommended by flooring manufacturer.
- D. Broom clean areas to receive athletic flooring immediately before beginning installation.

3.03 INSTALLATION

- A. Starting installation constitutes acceptance of subfloor conditions.
- B. Install in accordance with manufacturer's written instructions.
- C. Fluid-Applied, Homogeneous Polyurethane Flooring:
 - 1. Mix components in strict accordance with manufacturer's written instructions. Apply at manufacturer's recommended rates using airless spray equipment. Allow sufficient time to dry completely between coatings.
 - 2. Apply primer over prepared substrate.
 - 3. Apply base layer and one or more top layers in strict compliance with manufacturer's recommendations to achieve minimum thickness specified.
 - 4. Apply finish coating to achieve an even, consistent appearance.
 - 5. Lay out game lines using tape and taping machine approved by flooring manufacturer. Apply game line paint with roller, and allow to dry before removing tape.
- D. Fluid-Applied Polyurethane Flooring Over Base Mat:
 - 1. Mix components in strict accordance with manufacturer's written instructions, and apply at manufacturer's recommended rates. Allow sufficient curing time between coatings.
 - 2. Unroll base mat and allow to relax before beginning installation.
 - 3. Apply adhesive to substrate with notched trowel, and roll base mat into fresh adhesive. Do not allow compression fit at any seams. Roll mat with weighted linoleum roller immediately

- upon application of base mat and again after 45 minutes to insure that base mat is firmly adhered to substrate.
4. Thoroughly mix and apply seal coat to surface of base mat with steel trowel.
 5. Apply resin wear layer in number of lifts recommended by manufacturer, applying wet-into-wet to achieve a seamless surface. Sand any imperfections in surface after wear layer has cured.
 6. Thoroughly mix and apply finish coat with airless sprayer to achieve uniform appearance.
 7. Lay out game lines using tape and taping machine approved by flooring manufacturer. Apply game line paint with roller, and allow to dry before removing tape.
- E. Install sheets of Resilient Track Surfacing following Manufacturer's current printed guidelines.
- F. Line Marker to paint all lines following Manufacturer's current printed guidelines, respecting Association requirements, the drawing(s).
- G. All lines markings shall be spray applied.
- H. Resilient Sheet Flooring:
1. Unroll flooring and allow to relax before beginning installation.
 2. Mix adhesive thoroughly and apply to substrate with notched trowel. Roll flooring into fresh adhesive, overlapping end seams and double cutting, butting factory edges and compression fitting.
 3. Roll entire flooring surface with steel roller to assure adhesion to substrate and eliminate air bubbles.
 4. Immediately remove any adhesive from flooring surface, using chemical recommended by flooring manufacturer.
 5. Weld seams using techniques and equipment recommended by manufacturer.
 6. Lay out game lines using tape and taping machine approved by flooring manufacturer.
 7. Apply transparent top coat over flooring if recommended by manufacturer, to achieve a uniform finished appearance.

3.04 REPAIRS

- A. Repairs are to be performed by Surfacing Contractor's qualified installers/technicians only.
- B. Repair material must come from the same original dye lot as the Manufactured Product initially installed.

3.05 CLEANING

- A. Always wait at least a minimum of 72 hours after the Resilient Track Surfacing has been completely installed before performing initial maintenance. Always maintain the Resilient Track Surfacing following Manufacturer's current printed guidelines.
- B. For surfaces having received newly painted lines, wait a minimum of 30 days after the application of the paint before going over the surface with a scrubber/scrubbing the lines, in order to ensure proper curing of the paint.
- C. Clean flooring using methods recommended by manufacturer.

3.06 PROTECTION

- A. As needed, protect Resilient Track Surfacing with 1/8" Masonite during and after the installation, prior to its acceptance by the Owner.
- B. Protect finished athletic flooring from construction traffic to ensure that it is without damage upon Date of Substantial Completion.

END OF SECTION 09 65 66

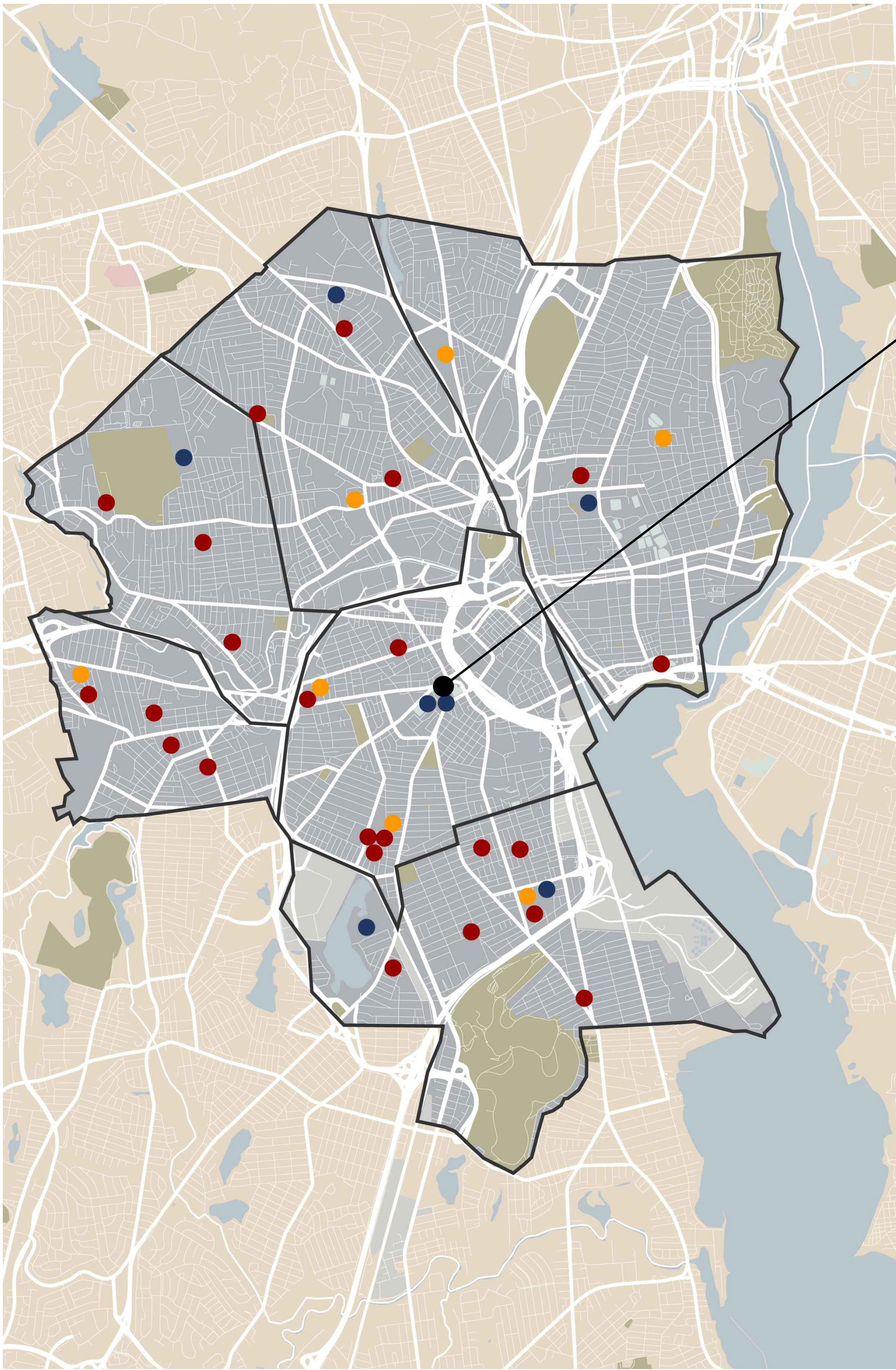
THESE PLANS HAVE BEEN PREPARED BY AN ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF RHODE ISLAND. THE ARCHITECT OR ENGINEER HAS REVIEWED THE PLANS AND HAS FOUND THEM TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL SEAL ACT, R.I. CHAPTER 11-21. THE ARCHITECT OR ENGINEER HAS REVIEWED THE PLANS AND HAS FOUND THEM TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL SEAL ACT, R.I. CHAPTER 11-21. THE ARCHITECT OR ENGINEER HAS REVIEWED THE PLANS AND HAS FOUND THEM TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL SEAL ACT, R.I. CHAPTER 11-21.

3/21/2022 3:25 PM

CITY OF PROVIDENCE PROVIDENCE PUBLIC SCHOOLS INTERIOR TRACK REPLACEMENT

AT PROVIDENCE CAREER & TECHNICAL ACADEMY 41 FRICKER ST, PROVIDENCE, RI 02903

PROJECT LOCATION MAPS

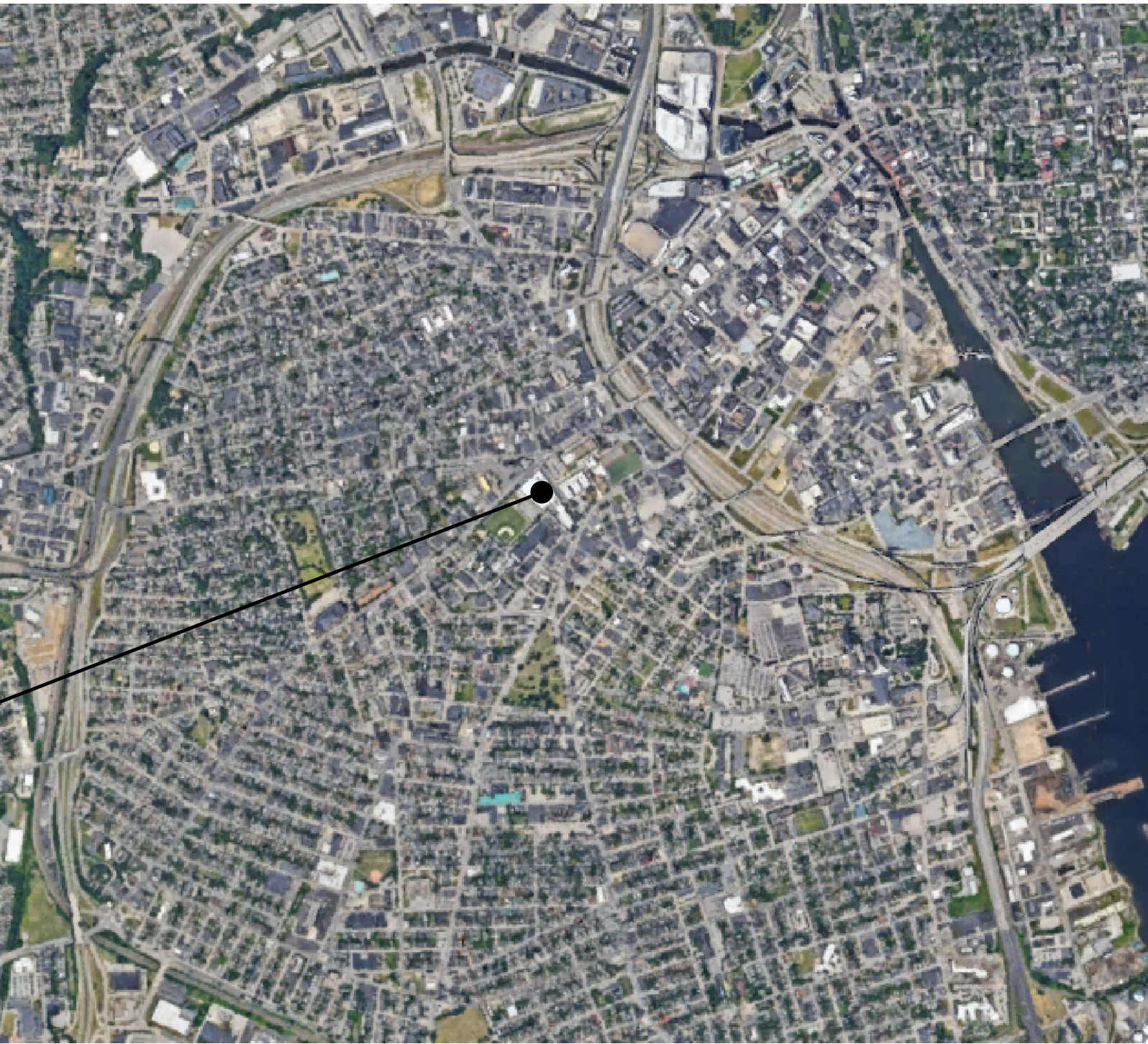


LOCATION MAP

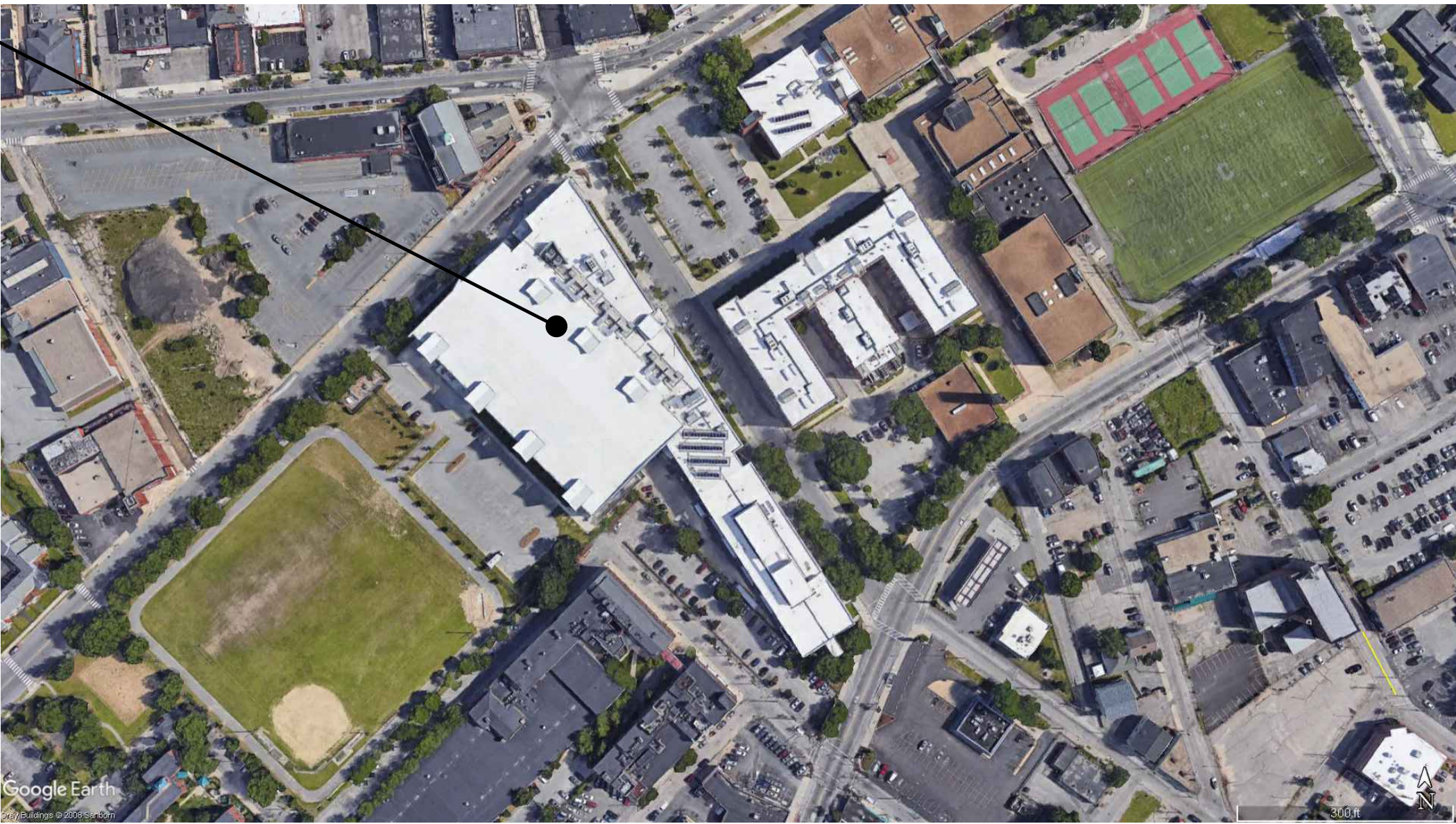
PROJECT LOCATION
CLASSICAL HIGH SCHOOL
770 WESTMINSTER STREET
PROVIDENCE, RI 02903

CLASSICAL HIGH SCHOOL

SITE



AREA MAP



SITE MAP

SHEET INDEX

Sheet Number	Sheet Title
GENERAL	
G-000	COVER SHEET
ARCHITECTURAL	
A-101	INTERIOR TRACK PLAN & DETAILS



CONSULTANT

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ARCHITECT / ENGINEER SEAL

CITY OF PROVIDENCE
PROVIDENCE PUBLIC SCHOOLS
INTERIOR TRACK REPLACEMENT
AT
PROVIDENCE CAREER & TECHNICAL ACADEMY
41 FRICKER ST.
PROVIDENCE, RI 02903

REVISIONS

MARK	DESCRIPTION	DATE

SHEET TITLE

COVER SHEET

CONSTRUCTION DOCUMENTS

DRAWN	CHKD	PROJECT NO.
BMS	PRC	22008

SHEET NO.

G-000

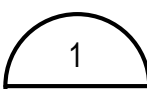
CODE INFORMATION

1. APPLICABLE CODES AND STANDARDS

2015 IBC w/ RHODE ISLAND AMENDMENTS dated 2019 08 01
2015 IMC w/ RHODE ISLAND AMENDMENTS dated 2019 08 01
2015 IPC w/ RHODE ISLAND AMENDMENTS dated 2019 08 01
2017 NED w/ RHODE ISLAND AMENDMENTS dated 2019 08 01
2015 NFPA 1 w/ RHODE ISLAND AMENDMENTS dated 2019 02 25
2015 NFPA 101 w/ RHODE ISLAND AMENDMENTS dated 2019 02 25
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
2009 ICC A117.1

2. PROJECT DATA

OWNER: CITY OF PROVIDENCE
LOCATION: PROVIDENCE CAREER & TECHNICAL ACADEMY
ADDRESS: 41 FRICKER ST, PROVIDENCE, RI 02903
OCCUPANCY CLASSIFICATION: EDUCATION

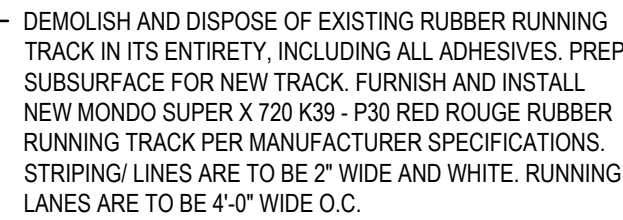


SCALE: 3/32" = 1'-0"



The vulcanized, prefabricated structure of Sportflex Super X 720™ K39 ensures uniform dynamic response across the entire track, providing optimal control over stride length. It's the perfect solution for areas of facilities dedicated to conventional training and competition because it guarantees a shock absorption coefficient of 39% and meets World Athletics performance criteria.

P30 (GR.1)



KEY PLAN

DEMOLISH AND DISPOSE OF EXISTING RUBBER RUNNING TRACK IN ITS ENTIRETY, INCLUDING ALL ADHESIVES. PREP SUBSURFACE FOR NEW TRACK. FURNISH AND INSTALL NEW MONDO SUPER X 720 K39 - P30 RED ROUGE RUBBER RUNNING TRACK PER MANUFACTURER SPECIFICATIONS. STRIPING/ LINES ARE TO BE 2" WIDE AND WHITE. RUNNING LANES ARE TO BE 4'-0" WIDE O.C.

DEMOLISH AND DISPOSE OF EXISTING RUBBER RUNNING TRACK IN ITS ENTIRETY, INCLUDING ALL ADHESIVES. PREP SUBSURFACE FOR NEW TRACK. FURNISH AND INSTALL NEW MONDO SUPER X 720 K39 - P30 RED ROUGE RUBBER RUNNING TRACK PER MANUFACTURER SPECIFICATIONS. STRIPING/ LINES ARE TO BE 2" WIDE AND WHITE. RUNNING LANES ARE TO BE 4'-0" WIDE O.C.



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CONSULTANT

DATE: 04/11/2022

PROJECT

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