

**DIVISION 1 - GENERAL REQUIREMENTS
SECTION 01000 - SPECIAL PROVISIONS**

1.01 SCOPE OF WORK

The Contractor shall perform, furnish and complete the following under one contract:

The work to be performed under this contract includes the furnishing of all labor, materials, equipment, transportation and services necessary for the installation and implementation of best management practices (BMPs) for the erosion and sediment control plan (ESCP); installation of temporary protective fencing; saw cutting, demolition and removal of existing concrete sidewalk mow strip or masonry structure; demolition and modification of existing irrigation system, including the capping of mainline pipe; grinding and removal of tree stumps and roots; removal and disposal of all excavated/demolished materials off-site as per the ESCP and City of Citrus Heights ordinances; grading for basketball court; installation of new asphalt basketball court with Post, backboard and goal; installation of concrete modified type three curb for a new play area that will need to grubbed and padded and project is to be finished graded to allow for mowing by District equipment and final grading to allow for drainage from these areas.

Note: All trees marked on plans to remain on site must be protected from damage throughout the length of construction, as per the Sacramento County Tree Ordinance and Section 1.28.

All work shall be performed per the plans and specifications and as per Sacramento County Construction Standards, January 2008. The contract price shall include full compensation for all equipment, materials and labor to complete all work as specified herein and no additional compensation shall be allowed.

1.02 PROJECT LOCATION

Tempo Park
13125 Fair Oaks Blvd
Citrus Heights, CA 95610

1.03 DRAWINGS

The contract drawings are entitled:

**TEMPO PARK
CONSTRUCTION OF BASKETBALL COURT &
PLAYGROUND PIT**

CONTRACT NO. 2021-10-TP

1.04 SUBMISSION OF BIDS AND AWARD OF CONTRACT

Preparation and submission of the bid proposal and award of contract shall be in accordance with Section 2 and 3 of the Standard Construction Specifications except as modified herein.

1.05 CONTRACT BONDS

Refer to Section 3-4 of the Standard Construction Specifications along with the following clarifications.

A faithful Performance Bond and Payment Bond in a sum not less than 100% of the total contract price shall be provided by the contractor. Bond forms shall be those shown in Appendix A of the Standard Construction Specifications.

If you have any questions, contact the Park Project Manager at:

Sunrise Recreation and Park District
Park Project Manager
Phone number (916) 725-0133
Fax number (916) 725-2541

1.06 CERTIFICATE OF INSURANCE

Before beginning any work, the contractor shall furnish or have on file, satisfactory certificates of insurance. The certificates must be held by the Municipal Services Agency, Contract Services Section of Sacramento County and must remain in effect for the duration of the contract. See Section 3-9 of the Standard Construction Specifications for insurance requirements. The standard Insurance Accord Form is acceptable.

If you have any questions, contact Contract Services at:

Virgil Anderson, Anderson Project Management
Sunrise Recreation and Park District
Park Project Manager
Phone number (916) 764-8995
Fax number (916) 725-2541

1.07 ENVIRONMENTAL LIABILITY INSURANCE

Environmental Liability Insurance will not be required for this project.

1.08 BUILDER'S RISK INSURANCE

Builder's Risk Insurance will not be required for this project.

1.09 TIME OF COMPLETION

The time for completion of this contract shall be **April 30, 2022** commencing as specified in Section 7-1 of the Standard Construction Specifications and as modified below in 1.14 H.

1.10 LIQUIDATED DAMAGES

Liquidated damages shall be **\$100** for each calendar day(s) delay beyond the established contract completion date that all work, is not completed. Refer to Section 8-10 of the Standard Construction Specifications.

1.11 PRE-BID CONFERENCE

A pre-bid conference will be held if noted in the NOTICE TO CONTRACTORS.

1.12 LABOR COMPLIANCE

The County of Sacramento received final approval from the Director of the California Department of Industrial Relations as a Labor Compliance Program effective March 15, 1994. All questions regarding this Labor Compliance program should be directed to the Labor Compliance Section at (916) 875-2700. In accordance with Section 1771.5 of the California Labor Code, the payment of the general prevailing rate of per diem wages or the general prevailing rate of per diem wages for holiday and overtime is not required for any project of \$25,000, or less, when the project is for construction work, or of \$15,000, or less, when the project is for alteration, demolition, repair, or maintenance work.

This is a "construction" project in accordance with Section 1771.5 of the California Labor Code.

Pursuant to the California Labor Code Section 1720 and following, and Section 1770 and following, the successful bidder shall pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations. Copies of the prevailing wage determinations are on file in the office of the Clerk of the Board and are available upon request from the labor compliance office at (916) 875-2700.

1.13 TECHNICAL SPECIFICATIONS FORMAT

The project specifications use the Construction Specifications Institute (CSI) format which is comprised of 16 divisions. The CSI format divisions shall not operate to make the County an arbiter to establish subcontract limits between Contractor and/or subcontractors. The General Contractor is responsible to the County for all phases of construction and a complete job.

1.14 MODIFICATIONS TO STANDARD CONSTRUCTION SPECIFICATIONS

Modifications shall be made to the Standard Construction Specifications as follows:

A. 2-3. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK

The following statement shall be added to this section: "Direct pre-bid questions to Project Manager Virg Anderson, Sunrise Recreation and Park District, telephone (916) 946-8995, or by E-mail at AndersonPMS@mycci.net.

B 2-8. SUBCONTRACTORS

NO CHANGES

C. 3-3 CONSIDERATION OF BIDS

Sentence three of paragraph two shall be replaced with the following:

If the bid is missing a lump sum price or a unit price, in either the base bid or any alternate, then the District will reserve the right to accept or reject the bid as submitted.

D. 3-9.04.C BUILDER'S RISK INSURANCE

Builder's Risk Insurance will not be required on this project.

E. 4-3. CONFORMANCE WITH CODES AND STANDARDS

Add to the Applicable Standards and Regulations "The UMC".

F. 5-8.01. SUBMITTALS – GENERAL

The last sentence of the first paragraph shall be replaced with the following:

Submittals shall be submitted within 10 days of execution of the contract, or at least 14 days prior to when the material will be ordered.

Sentence one of paragraph three shall be replaced by the following:

3 Copies of all submittals shall be furnished, two (2) of which will be returned after review.

G. 5-9.01 AGENCY-FURNISHED SURVEYS

The entire section shall be deleted and replaced with the following:

The contractor shall be responsible for and shall perform all surveys and measurements necessary for layout and control of work in accordance with Section 5-9.03 of the Standard Construction Specifications.

H. 7-1. BEGINNING OF WORK

The contractor shall commence work on November 19, 2021 and be complete by April 30, 2022. Completion of this project is determined by temperatures that are 55 degrees F and rising.

I. 7-10. PROTECTION OF WORK, PERSONS, AND PROPERTY

The following paragraph shall be added to this section:

Provide temporary fencing, lock boxes etc., as required to protect material storage, equipment and building under construction from theft, vandalism and unauthorized entry.

The Contractor shall be responsible for the protection of all furniture, walls, doors, etc., from damage, cosmetic or real, during the Work. The Contractor shall be responsible for all damage in the area of Work, or any other area in the building or on the site, caused by Contractor, his employees or subcontractors.

The contractor shall be responsible to protect public from the hazards created at the work site.

J. 9-23. NO WAIVER OF GOVERNMENT CLAIM PROCESS

The following paragraph shall be added to section 9 CHANGES AND CLAIMS

9-23 NO WAIVER OF GOVERNMENT CLAIM PROCESS

No statement in the County of Sacramento Standard Construction Specifications or any Special Provisions for this Contract shall constitute a waiver of government claim filing requirements pursuant to Title 1, Division 3.6 of the California Government Code or as otherwise set forth in local, state and federal law.

K. 10-4.04. STORMWATER POLLUTION PREVENTION PLAN

NOT USED

L. 10-4.05. EROSION AND SEDIMENT CONTROL PLAN

The following paragraphs shall be added to this section.

The contractor shall keep soil from tracking on to Fair Oaks Boulevard from the project site.

The Contractor is responsible for taking the proper actions to prevent contaminates and/or sediments from leaving the construction site should any unforeseen circumstances occur. The Contractor shall take immediate action if directed by the Engineer, or if the Contractor observes contaminates and /or sediments entering and surface or ground water drainage, to prevent further storm water from entering the drainage.

Erosion and Sediment Control Best Management Practices Implementation:

This item shall be bid as lump sum for implementation and maintenance of the Erosion and Sediment Control Plan. The CONTRACTOR shall be responsible throughout the duration of the PROJECT for installing, inspecting, and maintaining the control measures included in the Erosion and Sediment Control Plan and any amendments thereto and for removing and disposing of temporary control measures.

Full compensation for complying with and implementing the Erosion and Sediment Control Plan, including all labor, materials, tools, equipment and incidentals, and all work necessary to place, maintain and remove BMPs as

required, and to carry out all training, inspection, monitoring programs, and to perform any other work necessary to comply with the requirements, shall be included in the lump sum bid price.

M. 11-3. RECORD DRAWING SPECIFICATIONS

The entire Section 11-3 shall be replaced with paragraph 1.16 of this specification section.

1.15 ACCURACY OF DRAWINGS AND SPECIFICATIONS

The existing conditions depicted on the drawings and specifications are developed from record information. Exact locations, distances, dimensions, elevations, etc., shall be governed by actual field conditions and verified by the Contractor.

1.16 RECORD DRAWINGS AND SPECIFICATIONS

A. Maintain on the construction site, one set of the following record documents, which record actual revisions to the work:

1. Drawings
2. Specifications
3. Addenda
4. Request for information
5. Field instructions
6. Change orders and other modifications to the contract
7. Reviewed shop drawings, product data and samples
8. Manufacturer's instruction for assembly, installation, and operation

B. Ensure entries are complete and accurate, enabling future reference by the County.

C. Store record documents separate from documents used for construction.

D. Keep record information concurrent (within 7 days) of construction progress.

E. Specifications: Legibly mark and record at each product section a description of the actual products installed, including the following:

1. Manufacturer's name, product model, and number.
2. Product substitutions or alternates utilized.
3. Changes made by addenda and modifications.

F. Record drawings

1. Legibly mark each item to record actual construction including:
 - a. Measured depths of foundations in relation to finished first floor datum.
 - b. Measured horizontal and vertical locations of underground utilities and appurtenances referenced to permanent surface improvements. This shall include, but shall not be limited to piping, conduit, valves, stubouts, etc.

- c. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the work. This shall include, but shall not be limited to piping, conduit, valves, stubouts, etc.
- d. Field changes of dimension and detail.
- e. Details not on original contract drawings.

G. Progress Record Documents

Record Documents shall include all subcontractor changes and shall be kept current as the work progresses. Progress documents shall be made available and subject to review and approval by the Project Inspector and the Project Manager at each progress payment.

H. Final Record Documents

The Contractor shall submit one completed set of Record Drawings and Specifications, to the Project Inspector a minimum of one week prior to the final inspection. These Record Documents shall include certification by the Contractor that the Record Drawings and Specifications are a true representation of the Work as actually constructed. The Work will not be formally accepted until the Record Documents are reviewed and accepted by the Project inspector and Project Manager.

I. Measurement and Payment

In addition to the retention provided for in Sections 8-7, 8-8 and 8-9 of the Standard Construction Specifications, the County shall retain ten percent (10%) of each progress or final payment when Record Documents are found not to be in compliance with the contract requirements. Full compensation for Record Documents is included in the prices paid for the various items of work and no separate payment will be made.

1.17 UTILITIES

- A. **UTILITY SHUTDOWNS** The Project Inspector shall be notified two (2) working days in advance of any contemplated shutdown of electricity or other utility. The Project Inspector's approval shall be obtained prior to any shutdown activity.
- B. In addition to the requirements of Section 6-10 and 6-16 of the Standard Construction Specifications, the Contractor shall schedule and coordinate all connections and other work to be performed by public and private utility organizations necessary for the completion of the project.

1.18 SITE ACCESS, STORAGE OF SUPPLIES, MATERIALS, EQUIPMENT, ETC.

The Contractor shall obtain the prior approval of the Project Inspector for acceptable site access or before using any area or space for Contractor's storage during construction operations. Materials, equipment, etc., shall not be piled or stored in any location which shall interfere with the conduct of normal functions of the building and/or facilities, and shall not constitute a hazard to persons or property. Any required safety

precautions such as signs, danger signals, lanterns, barricades, etc., shall be installed by the Contractor during construction operations.

Any area used for staging or work area by contractor shall be returned to its previous condition at the end of contract.

1.19 TESTING

Testing of soils, concrete and aggregate shall be performed by the County in accordance with Section 5-16 of the Standard Construction Specifications. All other tests shall be performed and paid for by the Contractor as required in these contract documents.

1.20 ASBESTOS MATERIALS

- A. It is the intent of these Contract Documents to exclude from the work all materials containing asbestos.
- B. If asbestos materials are encountered during any work, the Contractor shall immediately notify the Project Inspector in writing.
- C. Unless specifically specified, the Contractor shall not install any asbestos-containing building materials. Materials such as mastics, joint compounds and flashing tars shall have a manufacturer's statement or label verifying that the material is asbestos free.

1.21 SIGNS

No advertising signs of any kind will be permitted except by written permission of the Project Manager.

1.22 CONTRACTOR'S FIELD OFFICE

A field office as such is not required and space is not available.

1.23 INSPECTOR'S FIELD OFFICE

A field office is not required.

1.24 CONSTRUCTION SITE UTILITIES

- A. WATER: Contractor may not connect a temporary line to the existing water service lines at the site. The Contractor shall be responsible to verify all existing conditions associated with a water connection. Connections to existing water service lines shall be coordinated with the Citrus Heights Water District, 6230 Sylvan Rd, Citrus Heights, CA 95610 (916) 725-6873 and the Contractor shall be responsible for any fees. Water used in construction must comply with section 16 of the Standard Construction Specifications.

- B. ELECTRICAL POWER: Hook-up to existing service is not allowed. The Contractor shall arrange for and shall install power service from SMUD service lines, or shall provide a portable generator.
- C. TELEPHONE: Contractor shall not have access to phones on site and therefore, shall arrange for his own pager or portable phone if needed for on-site communication.
- D. FIELD TOILETS: The Contractor shall have the option to use the Park Restroom or at his own expense furnish, install, maintain and remove at completion of the job, all sanitary (portable toilet) facilities required during project construction.

Facilities shall be provided in sufficient quantities to comply with CAL-OSHA regulations. All such sanitary facilities shall be made available for use by all workers, subcontractors, consultants, and County personnel associated with the project. The type and location of the facilities shall be subject to acceptance by the Project Inspector.

The Contractor shall maintain sanitary facilities in a proper, safe, operating, and sanitary condition for the duration of the work.

1.25 CUTTING AND PATCHING

- A. The Contractor shall be responsible for all cutting, fitting, and patching required to complete the work including penetrations of surfaces for installation of ducts and conduit.
- B. Cutting of structural members not specifically shown on the contract drawings, or cutting which might affect the integrity or effectiveness of weather exposed or moisture resistant elements or systems, must be approved in advance by the Engineer.
- C. The Contractor is responsible for inspecting existing conditions, including elements subject to damage or movement during cutting or patching, prior to commencing any cutting operation. The Contractor shall provide temporary support adequate to ensure the structural integrity of the affected portions of the work, and shall provide devices or use methods to protect other portions of the facility from damage.
- D. The Contractor shall provide patching of a smooth and continuous nature, and shall refinish and paint all affected surfaces to match adjacent surfaces.

1.26 SPECIAL SECURITY REQUIREMENTS

- A. The Contractor's workers and equipment shall be limited to the work areas as designated by this contract.
- B. In the event the Contractor, his/her employees, or subcontractors fail to adhere to the County's security provisions, the County has the right to deny access to the work site to that employee or subcontractor without an extension of time being granted to the Contractor.

1.27 SCHEDULE OF WORK AND LIMITATIONS

- A. During the progress of work, the existing facilities shall be maintained without interruption, and existing parking spaces in the parking lot shall remain closed to the public. The picnic rental facility and the athletic fields will not be rented out during this period but the park will remain open to pedestrian traffic. Care must be exercised by the contractor to prohibit public access to the parking lot unless it is safe for the public to enter.
- B. The Contractor shall coordinate the work of this contract through the Project Inspector assigned by the Engineer.
- C. The Contractor will be allowed to work. Monday – Friday, 7 AM to 6 PM Site shall be secured by contractor on evenings, weekends and holidays to protect the public.

1.28 ENVIRONMENTAL MITIGATION MEASURES

Trees are not expected to be impacted in this contract. These measures are Best Practices and includes included as a minimum expectation.

- A. The Environmental Mitigation Measures included in Appendix A of these specifications are for the Contractor's information only. Contract requirements resulting from these measures are incorporated in the contract documents.

Contractor is responsible for the following:

All native oak trees that are 6 inches dbh or larger on the project site, all portions of adjacent off-site native oak trees that are 6 inches dbh or larger which have driplines that extend onto the project site, and all off-site native oak trees that are 6 inches dbh or larger which may be impacted by utility installation and/or improvements associated with this project, shall be preserved and protected as follows:

1. A circle with a radius measurement from the trunk of the tree to the tip of its longest limb shall constitute the dripline protection area of the tree. Limbs must not be cut back in order to change the dripline. The area beneath the dripline is a critical portion of the root zone and defines the minimum protected area of the tree. Removing limbs which make up the dripline does not change the protected area.
2. Chain link fencing or a similar protective barrier shall be installed one foot outside the driplines of the oak trees prior to initiating project construction, in order to avoid damage to the trees and their root system.
3. No signs, ropes, cables (except cables which may be installed by a certified arborist to provide limb support) or any other items shall be attached to the oak trees.
4. No vehicles, construction equipment, mobile home/office, supplies, materials or facilities shall be driven, parked, stockpiled or located within the driplines of the oak trees.

5. Any soil disturbance (scraping, grading, trenching, and excavation) is to be avoided within the driplines of the oak trees. Where this is necessary, an ISA Certified Arborist will provide specifications for this work, including methods for root pruning, backfill specifications and irrigation management guidelines.
6. All underground utilities and drain or irrigation lines shall be routed outside the driplines of oak trees. Trenching within protected tree driplines is not permitted. If utility or irrigation lines must encroach upon the dripline, they should be tunneled or bored under the tree under the supervision of an ISA Certified Arborist.
7. If temporary haul or access roads must pass within the driplines of oak trees, a roadbed of six inches of mulch or gravel shall be created to protect the root zone. The roadbed shall be installed from outside of the dripline and while the soil is in a dry condition, if possible. The roadbed material shall be replenished as necessary to maintain a six-inch depth.
8. Drainage patterns on the site shall not be modified so that water collects or stands within, or is diverted across, the dripline of the oak trees.
9. No sprinkler or irrigation system shall be installed in such a manner that it sprays water within the driplines of the oak trees.
10. Tree pruning that may be required for clearance during construction must be performed by an ISA Certified Arborist or Tree Worker and in accordance with the American National Standards Institute (ANSI) A300 pruning standards and the International Society of Arboriculture (ISA) "Tree Pruning Guidelines".
11. Landscaping beneath the oak trees may include non-plant materials such as boulders, decorative rock, wood chips, organic mulch, non-compacted decomposed granite, etc. Landscape materials shall be kept two (2) feet away from the base of the trunk. The only plant species which shall be planted within the driplines of the oak trees are those which are tolerant of the natural semi-arid environs of the trees. Limited drip irrigation approximately twice per summer is recommended for the understory plants.
12. Any fence/wall that will encroach into the dripline protection area of any protected tree shall be constructed using grade beam wall panels and posts or piers set no closer than 10 feet on center. Posts or piers shall be spaced in such a manner as to maximize the separation between the tree trunks and the posts or piers in order to reduce impacts to the trees.
13. Should any cultural resources, such as structural features, unusual amounts of bone or shell, artifacts, human remains, or architectural remains be encountered during any development activities, work shall be suspended and the Department of Environmental Review and Assessment shall be immediately notified at (916) 874-7914. At that time, the Department of Environmental Review and Assessment will coordinate any necessary investigation of the find with appropriate specialists as needed. The project proponent shall be required to implement any mitigation deemed necessary for the protection of the cultural resources. In addition, pursuant to Section 5097.97 of the State Public Resources Code and Section 7050.5 of the State

Health and Safety Code, in the event of the discovery of human remains, all work is to stop and the County Coroner shall be immediately notified. If the remains are determined to be Native American, guidelines of the Native American Heritage Commission shall be adhered to in the treatment and disposition of the remains.

The County/Sunrise Recreation and Park District will hire the ISA Certified Arborist if an arborist is required.

1.29 CONSTRUCTION MEETINGS

Weekly construction meetings shall be scheduled to coordinate the construction work between the contractor, client, designer and inspector.

1.30 MANUFACTURED HOUSING UNITS

NOT USED

1.31 EXTENDED WARRANTY

NOT USED

1.32 REQUIRED SUBMITTAL LIST

Appendix B lists the submittals required from the Contractor for this project. This submittal list is provided for the Contractor's convenience and may not represent all submittals required by the contract documents. The Contractor is ultimately responsible for identifying and providing all required submittals.

1.33 AIRPORT POLICIES

NOT USED

END OF SECTION

DIVISION 2 - SITE WORK

SECTION 02000

2.01 TRAFFIC CONTROL

The Contractor shall be responsible for a Traffic Control Plans (TCP) as per Section 6-14.02 of Sacramento County Standard Construction Specifications, 2008, with the exception that a full TCP completed by a certified Transportation Engineer is not necessary. However, at minimum, the Contractor must submit a sketch or exhibit showing how the parking lot will remain open at all times, except during the times of park closure explained below. The TCP must show traffic flow and areas of closure. The TCP must also address the applicable requirements listed in Section 6-14.02.

2.02 CLEARING, GRUBBING, EXCAVATION AND GRADING

The Contractor shall clear, grub and/or excavate all soil, rock, asphalt concrete, aggregate base and other material necessary to complete the scope of work, as specified herein, as specified in Sections 15 and 18 of the Standard Specifications, and as shown on the plans.

All excavated materials shall be disposed of in accordance with the City of Citrus Heights code and Sections 18-2.03 and 18-7 of the Standard Specifications. Comply with standard practices and state and local codes.

Grading shall be done in accordance with the project plans and the most recent Sacramento County Standard Construction Specifications.

2.03 DEMOLITION:

All items/features shown on the plans shall be demolished and/or removed as follows:

- A. If saw-cutting is necessary, cut lines made on existing pavement, both longitudinally and transversely, shall be straight and smooth. Edges shall be clean and free of dirt and dust prior to placing tack coat. Asphaltic emulsion shall be used as a tack coat on existing AC pavement that is adjacent to new asphalt concrete. Asphaltic emulsion shall conform to Section 23 of the Standard Specifications.
- B. Grind existing edges of AC approximately 36" to feather for flush transition. Slurry seal seam. Refer to detail A on sheet 3 of the project plans.
- C. Concrete v-ditch located within area of work shall be demolished and replaced in same location and at same grade. See detail B on sheet 3 of the project plans.
- D. All items not shown for demolition or removal shall be protected in place at all times during construction, and must be repaired and/or replaced back to existing condition if damaged as per most recent Sacramento County Standard Construction Specifications.

2.04 EXCAVATION OF UNSUITABLE MATERIALS

The Contractor shall excavate and dispose of all unsuitable material, as specified herein and in Section 18-5 of the Standard Specifications and as shown on the plans. Comply with standard practices and state and local codes.

Unsuitable material is defined as material determined by the Engineer to be unsuitable in its natural location and condition for asphalt concrete or decomposed granite trail foundation. Unsuitable material shall be that material extending 18-inches below a plane defined by the existing sub-base surface.

The Contractor shall use extra care in excavating unsuitable material so as not to aggravate the condition. If, in the opinion of the Engineer, the Contractor's methods for excavating are increasing the amount of unsuitable material requiring excavation, the Engineer will require the Contractor to take necessary steps to correct the condition. Unsuitable material shall be legally disposed of as specified in Section 18-5 and 18-7 of the Standard Specifications and in accordance with the ordinances of the City of Citrus Heights.

2.05 AGGREGATE BACKFILL FOR EXCAVATED UNSUITABLE MATERIAL

The Contractor shall furnish and install Class II aggregate base as backfill for voids in the sub-base created by the excavation of unsuitable material, as specified herein, as specified in Section 22-2 (3/4" max.) of the Standard Specifications. Recycled material may be used, such as the grindings from demolition of the old asphalt (1" in size, max.) or recycled concrete. The compacted density of the Class II aggregate base shall be 95% as determined by California Test Method #216. Contractor shall supply a compaction curve for the product he is using under submittals.

Contractor shall backfill for excavated unsuitable material as follows:

1. Unstable soil shall be removed to at least 18-inches below the bottom of the planned aggregate base level in the driveway and at least 12-inches below the planned aggregate base level in the parking stalls. Install, per the manufacturer's criteria, geotextile reinforcement fabric (e.g. Mirafi HP570 equivalent or better) on top of the excavation surface.
2. Backfill on top of the fabric with granular material (as pre-approved by Geo-Tech) to subgrade level. Grindings generated during the removal of the existing AC pavement could be accepted as fill material, if crushed to 1-inch minus in maximum dimension. If grindings are used as backfill in these locations, the Bid Line Items No. 4 & 7 will be affected and shall be adjusted accordingly.
3. The uppermost lift of the fill shall be compacted to at least 95 percent relative compaction per ASTM D 1557.
4. Install 13" of aggregate base as per Section 2.06 below, and 3" of asphalt as per Section 2.07.

Contractor must coordinate with Project Inspector and Project Manager for approval of aggregate backfill material by geotechnical engineer. Field modifications might be needed to achieve stability of the subgrade. Refer to the Geotechnical study in the appendix.

Class II aggregate base used for backfill shall be paid for by the unit price bid per ton for 3/4" Class II Asphalt Base with no additional payment allowed therefore. This item may be extended or reduced without limit at unit bid prices. No additional compensation will be paid for using recycled material, such as the grindings from the demolition of the old asphalt

2.06 AGGREGATE BASE:

Grindings collected from the removal of the existing pavement may be kept for use as an aggregate base material for new paving. Supplement grindings with new aggregate base as necessary to comply with detail B on sheet 3 of the Project Plans. A minimum 13" of depth is required at all locations under new asphalt.

Aggregate base shall conform to the requirements of Section 26, 'Aggregate Bases' of the State Specifications, and Section 22 of the County Construction Standards Specifications, along with the following:

1. Compact Aggregate Base to 95% as per Sections 22-2, "Aggregate Base" and subgrade to 90% as per Section 18-2.05, "Subgrade Preparation" of the most recent Sacramento County Standard Construction Specifications.
2. Aggregate shall be clean ¾" size (maximum), Class II. Recycled concrete may be substituted AB.
3. Soil excavation, compaction, placement and aggregate base depth shall conform to construction details as shown on the plans.

This item may be extended or reduced without limit at unit bid prices. No additional compensation will be paid for using grindings collected from the removal of the existing pavement for use as an aggregate base material for new paving.

2.07 ASPHALT CONCRETE:

The Contractor shall construct all asphalt paving as shown on the plans, details and as specified in Section 23, "Asphalt Paving", of the most current Sacramento County Standard Construction Specifications. Asphalt is to be installed in two (2) lifts. Contactor shall place aggregate base as per above specifications. All asphalt concrete shall be Type A. Asphalt binder shall be Performance Graded 64-10 (PG 64-10), as per the most recent State Specifications.

Asphaltic emulsion shall be used as a tack coat on existing AC pavement that is adjacent to new asphalt concrete. Asphaltic emulsion shall conform to Section 23 of the Standard Specifications.

Maximum slope of the Asphalt Paving shall be less than 1.5% ($\pm 0.5\%$) and have positive water drainage to meet ADA for cross slope in all directions.

2.08 PAVEMENT COLOR COATING

I. PART 1 – GENERAL

1.1 SUMMARY

A. This section is a part of the entire set of Contract Documents and shall be coordinated with the applicable provisions of the other parts.

B. Related Sections:

1. STANDARDS All work shall be done in accordance with [American Sports Builders Association \(A.S.B.A.\) guide specifications](#).

2. SITE PREPARATION, EARTHWORK, DRAINAGE AND SUBBASE CONSTRUCTION: [Refer to A.S.B.A. guide specification 1.C.](#)

3. COURT CONSTRUCTION: Follow [A.S.B.A. guide specification II. I:](#) Hot Mix Asphalt Tennis Courts. The following are covered in these documents: Slope Requirement, Perimeter Edging, Base Construction, Compaction, Base Tolerance, Leveling Course, Asphalt Surface Course, and Asphalt Mix Design.

1.2 SCOPE OF WORK

A. This specification covers the construction and installation for: (#) courts at (*project name & location*).

B. Courts shall be cleaned using a stiff bristle broom and gas powered blower or water based pressure spray unit capable of generating 2500 psi at the nozzle tip, to remove all dirt and debris. The work to be performed under this specification includes all labor, equipment, materials and supplies necessary for the installation of the tennis courts included in this contract.

II. PART 2 – PRODUCTS

2.1 COURT SURFACE MATERIAL

A. Court Surfacing Materials shall be:

1. Novacrylic[®], as manufactured by Nova Sports U.S.A., 6 Industrial Rd., Bldg. #2., Milford, MA 01757. 800-USA-NOVA

2. Approved equal

B. All coatings shall be pure acrylic, containing no asphaltic or tar emulsions, nor any vinyl, alkyd or non-acrylic resins. The color system shall be factory-mixed compounds requiring only the addition of water at the jobsite except for the addition of sand to Novasurface[®]. All materials shall be delivered to the jobsite in sealed containers with the manufacturer's label affixed.

III. PART 3 – EXECUTION

3.1 APPLICATION

A. New asphalt pavement shall cure for 30 days prior to application of any surfacing materials.

B. Contractors must notify the Landscape Architect of all applications, 48 hours prior to installation. The surface to be coated shall be inspected and made sure to be free of grease, oil, dust, dirt and other foreign matter before starting work.

D. The surface shall be flooded. Any ponding water remaining that is deep enough to cover

the thickness of a five-cent piece shall be corrected using a patch mix consisting of [Novabond](#)[®], 50-mesh sand and Portland cement, as per manufacturers directions. Depressions must be primed with a 50% dilution of Novabond[®] and water prior to patching.

E. Application shall proceed only if the surface is dry and clean and the temperature is at least fifty degrees (50°F) and rising, and the surface temperature is not in excess of one hundred forty degrees (140°F). Do not apply coatings when rain is imminent.

F. Each coat in this system must dry completely before next application. Between each coat, inspect entire surface. Any defects should be repaired. Scrape surface to remove any lumps, and broom or blow off all loose matter.

G. Using a neoprene rubber squeegee, apply one (1) coat of [Novasurface](#)[®] [acrylic resurfacer](#), diluted with one (1) part clean water to two (2) parts Novasurface[®]. Clean, bagged sand shall be incorporated into the diluted Novasurface[®] at the rate of five (5) to ten (10) Lbs. per gallon. Sand gradation shall be 50 to 60-mesh. Allow application to dry thoroughly.

H. Using a neoprene rubber squeegee, apply two (2) coats of [Novaplay](#)[®] (colors to be designated by owner). Allow each application to dry thoroughly. A small (not to exceed 8 fl. oz per gal.) quantity of water may be used in diluting these coatings, only if coatings are drying too rapidly. Permission of the owner shall be obtained before adding additional water.

3.2 LINE MARKINGS

A. Upon completion and acceptance of the basketball surface, this Contractor shall prepare and paint lines for basketball.

B. All lines are to be applied by painting between masking tape with a paintbrush or roller.

C. Prime masked lines with [Seal-A-Line](#)[®]. Allow application to dry.

D. Paint lines with [Novatex](#)[®] textured line paint. Allow application to dry.

E. Remove masking tape immediately after lines are dry.

F. Protect adjacent areas and structures (fences, posts, sidewalks, buildings, etc.), which are not to be coated. In the event that coatings are applied to above, remove immediately before drying is complete.

3.3 COMPLETION

Upon completion, the contractor shall insure proper removal of all construction debris, surplus materials, empty containers and wash water, and shall leave the site in a condition acceptable to the owner. The court is to be left secure so as to prevent vandalism.

3.4 LIMITATIONS

A. Apply coatings only when ambient temperature is 50 degrees F. and rising, and the surface temperature is not in excess of one hundred forty (140) degrees F.

B. All NOVACRYLIC[®] coatings are waterborne and cannot cure in cold temperatures or when subject to moisture. Care should be taken not to apply coatings when rain is forecast or

sudden drop of temperature is expected. Climatic conditions such as very cool evenings and high dew points dictate that work should be completed early in the day so the coatings can be exposed to enough warm sunlight to form a film before sunset. The opposite applies during times of high heat, low humidity and drying breezes: under these conditions, work very early in the morning or very late in the day. If the product seems to be drying too fast in hot weather, mist the pavement with water to make the application easier. Care must be taken to allow each application to dry thoroughly prior to recoating.

END OF SECTION

IMPORTANT:

THIS SPECIFICATION IS INTENDED ONLY AS A GUIDE, CONSULT WITH A PROFESSIONAL ENGINEER OR ARCHITECT PRIOR TO USING AS A FORMAL SPECIFICATION.

2.08 STRIPING AND PAVEMENT MARKINGS:

All striping and pavement markings must conform to High School Basketball Regulations. Lines shall be 2" white lines. Refer to details shown on plans.

END OF SECTION

DIVISION 3 - CONCRETE
SECTION 03000

3.01 CONCRETE:

Concrete will be installed to County Construction Standards, Section 50-1, and as specified as follows:

- A. #4 rebar is to be used. Rebar shall be free of rust.
- B. Where new concrete abuts to existing concrete:
 - 1. Grind existing concrete and/or adjust new concrete to meet existing concrete with a smooth, flush transition.
 - 2. Dowel into existing concrete as per Section 27.4 and detail 4-43 of the most recent Sacramento County Standard Specifications.
- C. Concrete shall be Class A-2 at 2500 psi minimum.
- D. Concrete finish shall be standard broom finish.
- E. Score joints and expansion joints shall be at 24 foot intervals as per County standard minimum, or less. See Section 27 of the Standard Specifications.
- F. Concrete mow band (Mow strip) around the sides of the basketball court shall have a 1.5% slope to aid in the drainage.
- G. AC must drain onto existing concrete and be free of standing water.
- H. Flat work is to be a minimum of 5.5" thick with #4 rebar 16" O.C.
- I. Play Curb is to be 5.5" wide x 21" high with - 3 #4 continuous rebar
- J. Basketball Concrete mow band (mow strip) is to be 12" wide x 5.5" high

END OF SECTION

DIVISION 5 - METALS
SECTION 05000
CHAIN LINK FENCE

5.01 Fence Parts

Are to be Galvanized and Powdercoated black see note on Fabric below

5.02 Footings

Post are to be set at 24" plus the depth of AB and asphalt

Concrete in Footings shall be 8" below finish grade

Footings shall be 12" in diameter

5.03 Fence Equipment

Terminal Post - Schedule 40 - 2 7/8" diameter

Line Post - schedule 40 - 2 3/8" diameter

Top Rail - Schedule 40 - 1 5/8" diameter

All other metal supplies shall be powder-coated black.

5.04 Fabric

Chain Link Type 2, Black - Extruded and Bonded Vinyl, 2" mesh, 9 gauge

DIVISION 13 - EQUIPMENT
SECTION 04000
BASKETBALL GOAL BACKBOARD AND POST:

Concrete will be installed to County Construction Standards, Section 50-1, and as specified as follows:

Product Specifications

Legend Supreme Basketball System (First Team, Inc.)
or approved equivalent

- 1. VERTICAL POLE** - Vertical pole shall be 6" square 3/16" wall steel tubing and allow for burying 48" in concrete. Pole shall have a welded watertight steel cap to seal out moisture.

- 2. EXTENSION ARM** - Main 45 degree extension arm tube shall be 6" square 3/16" wall steel tubing and provide for a 66" extension from front of pole to face of backboard. Arm shall be designed to allow backboard to be mounted at four places top and bottom to eliminate rust streaks from forming on face of board. Structures designed to bolt through face of backboard are not considered equal.

- 3. EXTENSION ARM FACEPLATE** - The backboard mounting plate on the pole shall be 1/4" thick and extend the full height of the backboard. A 4" square, 1/8" wall secondary arm tube shall further support the backboard mounting plate.

- 4. MOUNTING** - Arm shall be attached to the pole by means of two 1/2" thick steel plates sandwiched around the 6" pole. One plate shall be welded to the arm, the other used as a crimp plate on the backside of the pole. Six 5/8" high strength bolts shall pass through the two plates and when tightened shall bolt the arm at the desired height.

- 5. CONSTRUCTION** - All steel pole components shall be welded using maximum penetration, continuous weld, MIG procedure.

- 6. FINISH** - Pole components shall have a polyester powder-coated black finish.

- 7. BACKBOARD** - Backboard shall be 42"x 72" rectangular 1/2" thick clear acrylic framed in a competition grade anodized aluminum framework. Backboard shall have bright white 2"

boarder and official size shooter's square screen-printed on backside to eliminate wear.

8. RIM - Standard rim shall be of a flexible type so as to absorb the stress of player contact. Spring action shall be provided by a heavy-duty compression wire spring. A steel cover plate must enclose entire internal mechanism. All structural components shall be built of no less than 3/16" steel. Rim shall be of institutional quality with an official 5/8" diameter high strength steel ring supported by a 3/16" brace supporting 60% of the ring. Rim shall be punched to mount either a 3"x 4" or 5"x 5" hole pattern. Orange powder-coated finish.

9. DIRECT RIM MOUNT - Rim and backboard shall be attached to the pole by passing four high strength steel bolts through the rim, backboard, and pole so that weight suspended from the rim is transferred directly to the pole structure. The backboard shall also be mounted to the pole at four places along the top and bottom, eliminating common rust streaks found on units where backboard is bolted through face.

10. WARRANTY - Pole, backboard, and standard rim shall carry a Lifetime Unconditional Warranty. Entire system weight shall be approximately 470#.

DIVISION 5 - METALS
SECTION 05000
CHAIN LINK FENCE

5.01 Fence Parts are to be Galvanized and Powdercoated black see note on Fabric below

5.02 Footings

Post are to be set at 24" plus the depth of AB and asphalt

Concrete in Footings shall be 8" below finish grade

Footings shall be 12" in diameter

5.03 Fence Equipment

Terminal Post - Schedule 40 - 2 7/8" diameter

Line Post - schedule 40 - 2 3/8" diameter

Top Rail - Schedule 40 - 1 5/8" diameter

Chain Link Type 2, Black - Extruded and Bonded Vinyl, 2" mesh, 9 gauge

All other metal supplies shall be powder-coated black.

APPENDIX A
Environmental Mitigation Measures

1. All trees must be protected.
2. Soils must stay on in targeted areas. Soil is not allowed to be tracked onto Fair Oaks Boulevard.
3. Straw wattle must be installed in low end of driveway on north side of mow strip to keep any silt and /or sediment from reaching the creek.
4. If rains are eminent then measures may need to be improved to contain soil particles.

**APPENDIX B
Required Submittal List**

Tempo Park
Contract No. 201004-84

Note: This submittal list is provided for the contractor's convenience and may not represent ALL submittals required by the contract documents. Contractor is ultimately responsible for identifying and providing ALL required submittals.

- SD Shop Drawings
- D Data/List of Materials
- P Product catalog sheets
- Q Quality Control Submittals
- S Samples or mockups
- OM Operation and Maintenance Manuals
- W Warranty Over One Year Period
- SP Spare Parts
- T Training
- O Other

SPEC. SECTION	ITEM REQUIRING A SUBMITTAL	REQUIRED SUBMITTAL TYPE										
		SD	D	P	Q	S	OM	W	SP	T	O	
01000	Schedule of Values											X
01000	Construction Schedule											X
01000	Record Drawings and Specifications											X
02000	Traffic Control Plan											X
02000	White Paint Samples			X		X						
02000	Aggregate Base Compaction Curve		X									
02000	Asphalt Mix		X									
02000	Asphalt Color Coating			X								
03000	Concrete Mix		X									
03000	Expansion joint material		X									
05000	Chain Link Fence submittals		X									
13000	Basket Ball Post, Backboard, Goal and net			X								

END OF MATRIX