

## **SCOPE OF WORK**

### **CATEGORY: BC15 Signage**

#### **PART 1 – GENERAL**

##### **1.01 Related Documents**

Division 00 – General Conditions and Supplementary Conditions

Division 01 – General Requirements

Exhibit A – Baseline Schedule

Exhibit B – Logistics Plan

Exhibit C – Soils Report: RMA Group dated August 8, 2024

Exhibit C.1 – Hydrology Report by KPFF Consulting Engineers dated 4/12/24

Exhibit D – Hazmat reports by Charles Taylor Environmental Technical Services

Exhibit E – Final Environmental Impact Report State Clearinghouse No.2023110328 dated June 2024

Exhibit E.1 – Mitigation Monitoring and Reporting Program State Clearinghouse No.2023110328 dated

Exhibit F – Reference Plans: The Construction of Ontario Regional Sports Complex (offsite utility and street plans)

Exhibit F.1 – Reference Plans: Mass Grading Package Phase 1

Exhibit F.2 – Reference Plans: Mass Grading Package Phase 2

Exhibit G – Site Concrete Limits

##### **1.02 Relevant Technical Specifications Sections:**

07 90 00 – Joint Protection (as it applies)

07 92 00 – Joint Sealants (as it applies)

09 90 00 – Painting and Coating (as it applies)

10 14 00 – Signage

#### **PART 2 – GENERAL INCLUSIONS:**

1. The work includes but is not necessarily limited to furnishing all: labor, materials and the installation of same, appliances, tools, equipment, facilities, transportation, receiving and unloading, hoisting, task lighting, applicable taxes and services necessary for, and incidental to, performing all operations in connection with this scope of work.
2. The breakdown of the scope of work by specifications is for organizational purposes only. The scope noted herein provides additional clarity only. It is not necessarily all inclusive. Where there is a reference to a detail, plan sheet or a note, this is to bring awareness only. Unless specifically “excluded”, this Contractor has the entire scope of work.
3. The scope noted herein; regardless, if duplicated in another’s scope of work and other contract documents, shall be included in this Category Contractor’s base bid. In the event a scope item is duplicated in another Contractor’s scope of work and/or and other contract documents, this does not relieve this Contractor from the responsibility of the scope. It shall be the Construction Manager’s discretion as to which Contractor will perform the scope of work and who shall provide a credit for the value of the scope not provided.
4. Any reference in this scope to “Contractor”, “Category Contractor”, “Bid Category Contractor”, “Bid Package”, “Trade Contractor”, “Contractor”, “Subcontractor” or any version of these are all synonymous / one-in-the same.
5. Contractor shall provide at the job site a Superintendent fluent in written and spoken English at all times during the performance of this Contractor’s scope of work. It is the Contractor’s responsibility to supervise their on-site crews and subcontractors at all times work is being performed under Contractor’s scope of work.
6. Contractor is responsible to know the latest SCAQMD requirements:
  - A. Includes implementing those means necessary to ensure any and/or all related work materials, fluids, equipment, etc. are stored or covered in a manner acceptable to the requirements.

- B. Contractor shall provide and maintain adequate dust control throughout the duration of their operation, including, but not limited to: washing/sweeping of existing sidewalks, public streets and concrete and asphalt access roads on a daily basis. Mitigation of dust shall be to the satisfaction of the Owner, City/County, and/or SCAQMD.
  - C. Any penalties the owner receives due to this Contractor's negligence will be forwarded to this Contractor for reimbursement.
7. Contractor shall take reasonable care to maintain Storm Water Pollution (SWPPP) related erosion control facilities and temporary storm water diversion means during all work.
    - A. If inclement weather is foreseeable during operations of this trade, this Contractor shall use its best effort to leave the site in a condition that minimizes the effects of erosion caused by such weather.
    - B. Contractor to protect all work from effects of inclement weather at its own cost. Protection of this Contractor's work area is the responsibility of same.
    - C. Any corrections and or repairs required due to damage inflicted by the work of this Contractor shall be the responsibility of same.
    - D. Any penalties the owner receives due to this Contractor's negligence will be forwarded to this Contractor for reimbursement.
    - E. Contractors requiring wash out shall have their washout container(s) clearly marked. NO direct dumping onsite and/or into sewer and/or draining systems.
    - F. Contractor to review 01 64 00 for additional relevant information.
  8. Contractor shall comply with all CAL OSHA requirements.
  9. Written survey requests are to be provided to Construction Manager's Superintendent a minimum of three (3) working days prior to the start of work requiring surveying and are to be submitted in a manner that does not require excessive surveyor move-ins.
  10. Contractor shall properly install and maintain all barricades, traffic control, warning lights, flagmen, for deliveries, hauling and/or disposal, including permits & fees as required by local and/or governing Agencies / municipalities for Contractor's scope of work whether expressly mentioned or not.
  11. Contractor shall provide additional fencing, barricades, and/or other protection, which is in addition to site perimeter temporary fencing provided by others to protect open excavations or other hazards resulting from this Contractor's work. Contractor shall cover all open trenches with Cal OSHA compliant covering or soil each day. Temporary trench covering is to be installed in a manner so as to eliminate tripping hazard. It is the Contractor's responsibility to security material and equipment. Any theft of material/equipment is the Contractor's responsibility to replace.
  12. Contractor is responsible to turn in Inspection Requests (IRs) and/or testing requests to Construction Manager's Superintendent no less than 48 hours prior to desired IOR inspection and no less than 72 hours for testing laboratory (LOR) inspection. Work must be complete and in compliance with the contract documents prior to IOR inspection. Contractor shall provide the necessary resources to make up time and bear all related cost associated with any late inspection requests and/or rejected inspections.
    - A. Contractor foreman shall walk with the IOR during all inspections for this subcontractor's scope of work.
  13. Any F.O.B. material and/or coordination required for the installation by this Contractor and/or other Contractors, shall be forwarded by the supplying Contractor with a letter of transmittal and detailed shop drawings showing dimensions, locations, and individual piece count to the installing Contractor via Tilden-Coil. ALL F.O.B. deliveries shall be coordinated with Construction Manager and the receiving Contractor at least 48 hours in advance. The receiving Contractor shall unload, inventory, and inspect materials. All shortages and damaged material must be noted on said transmittal. Receiving Contractor shall sign and date transmittal. Once the transmittal has been signed, it shall be the receiving Contractor's responsibility to protect and secure the material.

Supplying Contractor shall forward a copy of signed transmittal to the Construction Manager's site office for their review and records. Supplying Contractor shall forward all F.O.B. material within the time limits as noted in the construction schedule so as to not delay receiving Contractor's work. If work is delayed due to the untimely forwarding of required material and/or information, the applicable Contractor shall be responsible for any and all costs incurred due to delays and/or corrective work.

14. A representative from this Contractor is to be on site to receive all material deliveries, whether they are performing work on site at the time or not. Construction Manager will not receive or sign for any deliveries of this Contractor's material. Contractor is to provide traffic control, including but not limited to flagmen, signage, delineators, etc. for any delivery vehicles that are unable to be unloaded on the project site, in accordance with all local traffic laws.
15. Contractor understands that housekeeping is critical to both safety and efficiency. Therefore, daily cleanup is an obligation of the contract. Contractor is responsible to legally remove their debris offsite on a daily basis or as necessary as not to be an impact to safety and dependent trades / progress of the project schedule. If daily housekeeping falls below acceptable standards, the Owner shall consider one of the three options to mitigate:
  - A. Require a composite cleanup crew, as needed, until standard is restored. Contractor's manpower contribution size will be based on manpower size as follows:
    - i. 1 to 5 workers = 1, 6 to 10 workers = 2, 11-15 workers = 3, 16 to 20 workers = 4, 20+ workers = 5.
  - B. Hire a separate cleanup crew as needed until standard is restored. Hired crew will be funded via a deductive change order to the offending Contractor(s).
  - C. Require an "all hands" cleanup session as needed until standard is restored.
16. Contractor shall protect all existing on and/or offsite conditions. Any damage sustained by the work of this Contractor, shall be repaired or replaced by the next shift or as directed by Construction Manager or Owner at the expense of this Contractor.
17. For known trade causing damage, it is required to be repaired by the next shift.
18. Contractor has been allotted a number of days for construction activities that relates to this trade. Contractor must manage to complete all work in allotted time frame without excuse. Contractor agrees to assign the appropriate manpower to complete the activities. Therefore, all clarification and approvals must be obtained prior to start of work and in such time as to allow response, procurement, and preparation without compromising the schedule activity time and scheduled start date and finish date. Late coordination and RFI's requested during work progress will not be an excuse for delay.
19. Contractor shall provide their own storage and safety measures.
20. Mobilizations and move-ins as necessary to achieve the progression of the project schedule.
21. Contractor understands and is responsible for all layout for their respective work.
22. Any new substrate provided by others for this Contractor's use and/or any existing substrate (existing conditions) is found to be unacceptable at the time of installation, Contractor shall advise Construction Manager before commencing. Any repairs and/or replacement required to the substrate once Contractor has commenced their work on the substrate, all costs associated with the removal and replacement of finished product shall be at the expense of this Contractor.

### **PART 3 - TRADE SPECIFIC INCLUSIONS:**

1. Interior and exterior signage.
2. Plastic, tactile, room identification, exit signage and non-tactile signs.

3. Directory signs.
4. Dimensional metal and/or aluminum letters, numbers and artwork. Provide shop drawings for backing coordination.
5. Welding, mounting hardware and adhesives required for a complete assembly.
6. Signage installed on glass shall have a similar blank piece on the opposite side of the glass and directly behind the sign(s) to conceal any adhesives/tapes used during installation.
7. (3) Large Art Sculptures. Whistle, Baseball and Soccer Sculptures in their entirety.
  - A. Coordinate with Electrical contractor for conduit, power, and low voltage requirements.
  - B. Footing by Structural Concrete Contractor.
8. ~~Wayfinding~~ Signage shown on the W-sheets.
  - A. Footings by ~~Site Concrete Contractors~~ Others.
  - B. Coordinate with Electrical contractor for conduit, power, and low voltage requirements.
  - C. CMU block/veneer by Masonry Contractor.
  - D. FOB Steel posts to Site Concrete Contractors.**
9. Steel Trellis ~~Structures with~~ Gateway Identity Signage.
  - A. Including ~~cast-in-place cap with smooth finish,~~ **aluminum flat cut outs, aluminum raceways,** dome light fixtures & LED light up light embedded into concrete cap.
  - B. CMU pilasters **& concrete cap** by others
  - C. Coordinate with Electrical contractor for conduit requirements.
  - D. Coordinate with Masonry Contractor for embedded light fixtures.**
10. Aluminum Flat Cut Out Artwork & perforated graphic walls.
11. **Pinwheels as shown on E10 & E11/ Sheet W-16.** Provide a sample of each of the 5 symbols.
12. Graphic walls including all aluminum, casters and bench seating.
13. Display Walls in their entirety.
  - A. Coordinate conduit and power requirements with electrical contractor.
  - B. Regardless of the plans stating digital displays are owner furnished and contractor installed, these digital displays will be contractor furnished and installed.**
14. Provide mockups for all signage types prior to fabrication.
  - A. Full size for smaller signage.
  - B. Partial samples for larger signage.
15. Signage Quantities are shown on W-01 for reference only. Final quantities shall be determined based off of review of the plans.
16. Recycled water use signs (ref. S/L-4.02). If quantities are not shown on the plans, include in the base bid for (100) signs.
17. Wall mounted banner systems
18. **Dedication Plaques**
  - A. Concrete Pedestal by others.**

**19. Sports Bollards. Refer to L-2.13**

**A. Concrete footing by others.**

**20. All sandblasted quotes, text and lettering per L-2.44.**

**A. Provide 1:1 scale stencil for all text in the correct locations and orientations for review and approval by Architect prior to Installation.**

**B. Provide Mockup as noted on L-2.44.**

**21. Digital Displays including mounting brackets.**

**A. Electrical & LV by others.**

**PART 4 – ALLOWANCES:**

1. Bid Contractor shall include in their base bid the Trade Specific Bid Category Allowance identified in Division 01 (Specification Section 01 21 00 – Allowance). This allowance shall be used at the discretion of the Construction Manager and/or Owner. The allowance shall not be used for this Contractors' poor workmanship, missed scope, delays imposed due to this Contractor, or corrective work. All labor rates and material cost shall be determined in accordance with the General Conditions. All mark-up, general conditions, bonds, fee, overhead & profit, insurance, and supervision for this allowance shall be in addition to the allowance amount identified in Division 01 and is to be included in this Contractor's Base Bid. This allowance shall be specifically itemized on this Bid Category Contractors Schedule of Values.

**PART 5 - EXCLUSIONS:**

1. ADA parking, Van accessibility and EV parking signs as noted on type D21, D22 on W-09 & D23 on W-10 (by Earthwork Contractor)

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