# CM/GC CONSTRUCTION CONTRACT CENTRAL DENVER RECREATION CENTER

### CONTRACT AND AGREEMENT

THIS AGREEMENT is made between the CITY AND COUNTY OF DENVER, a municipal corporation of the State of Colorado (the "City") and AP MOUNTAIN STATES, LLC d/b/a ADOLFSON & PETERSON CONSTRUCTION, with its principal place of business located at 797 Ventura Street, Aurora, Colorado 80011"the Contractor", jointly "the parties."

# **RECITALS**

1. The City wishes to construct a new recreation center on the property currently known as 2401 E. Colfax Ave, previously known as 2405 E. Colfax Ave and 1530 Josephine St, and associated adjacent Right of Way (ROW) improvements known as:

Central Denver Recreation Center - Bid Package I PROJECT NO. PWC2014-1003 CONTRACT CONTROL NO. 201523539 (the "PROJECT")

- 2. In furtherance of the Project, the City has contracted with Barker Rinker Seacat Architecture, P.C. (the "Designers or Design Consultants or Consultant Team") to perform professional architectural and engineering design services for the programming and design of the Project.
- 3. Pursuant to Section 20-56 of the Denver Revised Municipal Code, the City commenced on July 25, 2014, and advertised for at least three (3) consecutive days, the City's solicitation for qualification submissions from qualified contractors for the Project.
- 4. The City's solicitation sought a contractor to furnish all fast-track Construction Manager/General Contractor ("CM/GC") preconstruction and construction experience, expertise and services; and all construction administration, management, supervision, coordination and fast track project construction experience and expertise; and all construction services, work effort, labor, tools, supplies, manufactured components, equipment, materials, and everything else necessary and required to assist in the Project design and to complete the construction of the Project on an expedited basis and within budget; while satisfying the City's longstanding commitment to quality, efficiency, value, innovation, partnering, responsiveness to agency and community needs and compliance with all applicable regulatory requirements in the performance of general public improvements.
- 5. Submissions received pursuant to said advertisement were evaluated and formal proposals were requested from selected firms best meeting the City's qualifications criteria for this Project.
- **6.** Proposals received were evaluated and ranked by a selection committee and a recommendation was made to the Manager of Public Works who evaluated the Proposals and recommended that a contract or contracts for performance on the Project be made and entered into with the above named Contractor.

- **7.** Based upon that ranking, the City and the Contractor entered into a Preconstruction Services Agreement, Contract No. 201418736, dated December 10, 2014, to perform preconstruction services.
- **8**. In accordance with the terms and conditions of the Preconstruction Services Agreement, the Contractor has reviewed the Project Site and design documents and has performed constructability, availability, scheduling and cost estimating analysis on design documents prepared for the Project.
- **9.** Based on this performance, the Contractor is thoroughly informed about the Project and the Project design. Contractor has submitted and the City has accepted a GMP to construct Bid Package I of the Project. Future Bid Packages will be incorporated by written amendment to the agreement.
- 10. As a consequence of the Project's time limitations and in order to maintain the existing Project schedule, the Contractor and the City now desire to enter into a Construction Manager/General Contractor contract (the "Construction Contract") for a Guaranteed Maximum Price (the "GMP") for all of the Work necessary to complete Bid Package I of the Project.
- 12. The Contractor is willing, able and has the present capacity to perform the construction phase services, as an independent contractor, in accordance with this Construction Contract, said advertisement, the preconstruction agreement and the referenced selection documents.

**NOW THEREFORE**, in consideration of the compensation to be paid the Contractor, the mutual agreements hereinafter contained, and subject to the terms hereinafter stated, it is mutually agreed as follows:

# 1.0 PROJECT SUMMARY AND DEFINITIONS:

**1.1 Project.** The "Project" as used herein shall mean the:

# Central Denver Recreation Center

- **1.1.1** The Project is located at the "Project Site" between 16<sup>th</sup> Ave. and Colfax Ave. and west of Josephine St. within Denver, Colorado.
- **1.1.2** The specific details of the Project are more particularly set forth in the Bid Package I GMP, Bid Package Document drawings" prepared by the Designer and dated March 27, 2015.
- **1.1.3** The Project shall be comprised of the following:
  - **1.1.3.1 Bid Package I Guaranteed Maximum Price (GMP) Work.** The GMP proposal provides all necessary labor, materials and equipment including but not limited to performing earthwork, site utilities, pools, and pool dehumidification unit and all work necessary to complete the work more particularly set out in Bid Package I Design Drawings and the Contractor's Basis for GMP Proposal.
  - **1.1.3.2** Bid Package II Guaranteed Maximum Price (GMP) Work. The GMP proposal will include remaining building and site work. (to be incorporated by written amendment).

- **1.1.4** Contractor Selection. In accordance with the requirements of Section 20-56 of the Denver Revised Municipal Code (the "DRMC"), the City implemented and completed a competitive selection process to identify qualified Contractors to perform both preconstruction and construction services for the Project. The Contractor was selected as the first ranked proposer to perform such services for the City as set forth in the City's Request for Proposals (RFP) dated September 16, 2014; and the Contractor's RFP Submittal dated October 1, 2014. In referencing these solicitations and submissions herein, the City and the Contractor acknowledge that the scope of the Project, as presented and addressed by these documents, has materially evolved since the issuance of these documents and that some information presented will not be applicable to this Construction Contract or the Project.
- 1.2 <u>Budget.</u> The Contractor acknowledges and accepts that there are limited funds available to construct the Project. The Project construction budget (the "Budget") is **TWENTY FIVE**MILLION THREE HUNDRED FOUR THOUSAND FIVE HUNDRED DOLLARS AND NO

  CENTS (\$25,304,500.00), and is subject to increase or decrease at the sole discretion of the Manager of Public Works. The Contract further acknowledges and accepts that the GMP Work must be completed within the construction budget. As part of this acknowledgment and acceptance, the Contractor shall at all times cooperate fully with the City and the Design Consultant to develop the Project and its various components for construction and ultimately construct the Project so as not to exceed the limited funds available in the Project Budget.
- **1.3 Project Format.** In the performance of this Construction Contract, the Contractor acknowledges and accepts that, scope and schedule are critical for Project delivery. Based on these considerations, the City has elected to utilize a Construction Manager/General Contractor ("CM/GC") project delivery approach and will fast track the Project.
- **1.3.1** The Contractor is familiar with this approach and understands that the CM/GC method is a specialized and rigorous delivery approach requiring maximum cooperation between all parties. As a consequence of the delivery approach, the Contractor acknowledges and accepts the following: (1) that the complete services to be rendered by the Contractor, the organizational and process interrelationships governing construction and the construction cost, schedule and sequencing are either in the developmental stage or have not yet been fully defined; and (2) that portions of the Project could have their design completed as separate phases.
- 1.3.2 In preparing and submitting the GMP Proposal, the Contractor understands, confirms and agrees that its responsibility under this CM/GC approach is to construct the Project in accordance with the Contract Documents. It is further understood and accepted that because the GMP will be based, in part, on incomplete design documents, the Contractor shall exercise reasonable care and its best diligence, efforts and judgment to determine the intent of the most recent Project design documents, has or will have carefully considered this intent, both express and inferable, in calculating the GMP and has or will have based all of its GMP calculations on the Scope of Work, program and standards of workmanship, and quality of construction, equipment, materials and finishes that can be inferred from the most recent design documents and any documented Project expectations and/or requirements provided to the Contractor.
- **1.3.3** Subject to any allowed contingency provided for in Section 1.5, the Contractor further acknowledges and agrees the GMP fully accounts for any risks associated with failing to consider the design intent reasonably inferable from the Contract Documents. The Contractor has documented in the Basis of the GMP Proposal and provided or will provide to the City any and all clarifications regarding the design intent, including the intended level of quality of the Project. No GMP increase or extension of the Contract Time will be allowed to account for any assumption, exclusion and

clarification the Contractor failed to document or for any other item of Work covered by the Contract Documents that the Contractor failed to account for in its GMP.

- **1.4** Allowances. The allowances set forth in the GMP Proposal have been accepted by the Project Manager. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the City may direct, but the Contractor shall not be required to employ any persons or entities against which the Contractor may make reasonable objection. The Contractor may also supply allowances for those items the Contractor and the Project Manager mutually determine require an allowance. **Exhibit C** (GMP Proposal) sets forth all allowances applicable to the Work. Unless otherwise provided for in the Contract Documents:
- **1.4.1** Materials and equipment under an allowance shall be selected promptly by the City to avoid delay in the Work;
- **1.4.2** Allowances shall cover the cost to the Contractor of materials and equipment delivered at the Project site and all required taxes, less applicable trade discounts;
- **1.4.3** Contractor's costs for unloading and handling at the Project site, labor, installation costs, and other expenses contemplated for the stated allowance amounts are included in the allowances. However, Contractor's home office overhead and profit for all allowance items are included in the Contractor's Fee and are not in the allowance; and
- **1.4.4** Whenever costs are more than or less than the allowances, overruns and underruns in allowances will first come from owner's contingency and if insufficient owner's contingency remains, the GMP shall be adjusted accordingly by change order. The amounts of the change orders shall reflect the difference between actual costs and the allowances. If actual costs exceed allowances, the change order shall include Fee on the difference in accordance with allowable Contractor Fee under the Construction Contract.

# 1.5 <u>Contingency.</u>

- **1.5.1** Construction Contingency Amount. The GMP will include a construction contingency in an amount equal to a lump sum of **ONE HUNDRED SIXTY THOUSAND FIVE HUNDRED SIXTY DOLLARS AND NO CENTS** (\$160,560.00) ("Construction Contingency") for the entire scope of the GMP Work. Adjustments to the construction contingency to be made by written amendment.
- **1.5.2** Construction Contingency Accounting. The GMP Proposal is not a line item GMP. During the course of the Work, some GMP line items may exceed the estimated amounts and others may under run the estimated amounts shown in the GMP Proposal without impacting the overall GMP. The Contractor may charge to the Contingency any costs which are properly reimbursable as Cost of the Work, but not the basis for a Change Order. These costs may include costs attributable to errors and omissions by the Contractor; costs to correct defective, nonconforming or damaged work; costs generated from clarification of the Contract Documents; costs for code changes or code upgrades required by governmental agencies which are not otherwise the basis for a change order; overtime and acceleration costs to meet contract schedule; and costs, including legal fees, for contractual disputes, with parties other than the City. The Contingency shall be increased to the extent that there are underruns in budget items included in the GMP. The Contractor shall receive written approval from the Project Manager, in writing, of each such charge to or credit of the contingency prior to taking such action and shall provide a periodic reconciliation of contingency credits and expenditures in a format acceptable to the Project Manager.

- **1.5.3** Construction Contingency Management. The Contractor acknowledges that, subject to available funding, it is the desire of the City to incorporate as many additional Work items into the Work as reasonable or otherwise increase the Work to be performed by the Contractor to enhance the Project. The Contractor agrees to accept a mutually agreeable reduction of the contingency whenever the City and the Contractor reasonably agree that the Project risk is substantially decreased and such agreement shall not be unreasonably withheld.
- **1.5.4 Owner's Contingency Amount.** The GMP will include an Owner's Contingency in an amount equal to a lump sum of **FIVE HUNDRED THOUSAND DOLLARS** (\$500,000.00) ("Owner's Contingency"). Adjustments to owner's contingency to be made by written agreement.
- **1.5.5 Owner's Contingency Accounting.** The Owner's Contingency will be used at the sole discretion of the City for changes to the scope of work that are initiated and requested by the City, and for overruns in Allowances. This contingency shall not be used for any other purpose other than scope changes initiated by the City. Any unused portion of this Owner's Contingency shall be returned to the City upon project completion.
- **1.6 Design Consultant.** The "**Design Consultant**" or "**Designer**" as used herein shall mean the legally approved professional architect/engineer, or group or association or professional corporation or joint venture of such approved professional architects, engineers and/or consultants, who have contracted with the City to accomplish the architectural, engineering and other design and related technical services necessary to complete the Project. The Project Design Consultant is: Barker Rinker Seacat Architecture, P.C.

In case of termination of the Design Consultant, the City will appoint a Design Consultant whose status under the Construction Contract shall be the same as that of the former Design Consultant.

- **1.7** <u>User Agency</u>. The "User Agency" as used herein shall mean the City agency currently responsible for the operation and maintenance of the Project. The User Agency is the City and County of Denver Department of Parks and Recreation.
- **1.8** <u>Construction Team.</u> The Contractor, the City, and the Design Consultant, called the "Construction Team," shall work together to complete the Project. The Contractor shall provide leadership to the Construction Team on all matters relating to Construction.

# **2.0 CONTRACT DOCUMENTS:**

It is agreed by the parties hereto that the following list of instruments, drawings and documents which are attached hereto, bound herewith or incorporated herein by reference constitute and shall be referred to as the "Contract Documents" and all of said instruments, drawings and documents taken together as a whole constitute the Contract and Agreement between the parties hereto, and they are as fully a part of this Contract and Agreement as if they were set out verbatim and in full herein. The Contract Documents represent the entire and complete integration of all understandings between the City and the Contractor and supersedes all prior negotiations, representations or agreements. No prior or contemporaneous addition, deletion or other amendment hereto shall have any force or effect whatsoever, unless embodied herein in writing. No subsequent novation, renewal, addition, deletion or other amendment hereto shall have any force or effect unless embodied in a written amendatory or other agreement or change order properly executed by the parties. When the Contract Drawings and Technical Specifications are complete and issued by the Design Consultant for construction, they will be incorporated into this Construction Contract as if fully set forth herein as **Exhibits D and E**.

2.1 It is agreed by the parties hereto that the following list of instruments, drawings and documents which are attached hereto, bound herewith or incorporated herein by reference constitute and shall be referred to as the "Contract Documents" and all of said instruments, drawings and documents taken together as a whole constitute the Contract and Agreement between the parties hereto, and they are as fully a part of this Contract and Agreement as if they were set out verbatim and in full herein. The Contract Documents represent the entire and complete integration of all understandings between the City and the Contractor and supersedes all prior negotiations, representations or agreements. No prior or contemporaneous addition, deletion or other amendment hereto shall have any force or effect whatsoever, unless embodied herein in writing. No subsequent novation, renewal, addition, deletion or other amendment hereto shall have any force or effect unless embodied in a written amendatory or other agreement or change order properly executed by the parties. When the Contract Drawings and Technical Specifications are complete, they will be incorporated by written directive of the Manager of Public Works or the Manager's designee.

Advertisement of Notice of Invitation for Qualifications, dated July 25, 2014 (incorporated herein by reference)

Request for Proposals (RFP), dated September 16, 2014 (incorporated by reference)

Contractor Response to RFP, dated October 1, 2014 (incorporated by reference)

General Contract Conditions (incorporated by reference; table of contents attached as **Exhibit A**)

Special Contract Conditions (attached as **Exhibit B**)

Bid Package I GMP Proposal (attached as **Exhibit C**). Future Bid Package GMP Proposals will be incorporated by written amendment to the agreement.

Contract Drawings (incorporated herein by reference as **Exhibit D**)

Technical Specifications (incorporated herein by reference as **Exhibit E**)

Notice to Proceed Form (attached as **Exhibit F**)

Preconstruction Services Agreement, dated December 10, 2014 (incorporated by reference as **Exhibit G**)

Final/Partial Lien Release Form (attached as **Exhibit H**)

Intentionally Omitted (**Exhibit I**)

Self Performed Work Proposal (attached as **Exhibit J**)

Prevailing Wage Rate Schedule(s) (attached as **Exhibit K**)

Billing Rates for Salaried Personnel Staffing and Salary Schedule (attached as Exhibit L)

Equipment Rental Rates (to be later attached as **Exhibit M**)

Certificate of Insurance (attached as **Exhibit N**)

Minority/Women Owned Business Enterprise Program Compliance Plan (attached as **Exhibit O**)

Equal Employment Opportunity Provisions (attached as **Exhibit P**)

Performance and Payment Bond (attached as **Exhibit Q**)

Contractor's Certification of Payment Form (attached as **Exhibit R**)

Final Receipt Form (attached as **Exhibit S**)

- **2.2** If anything in the Contract Documents is inconsistent with this Construction Contract, this Construction Contract will govern. The order of precedence of the Contract Documents shall be as follows:
- **2.2.1** this Construction Contract, as may be modified by amendment or change orders;
- **2.2.2** the General Contract Conditions;
- **2.2.3** the Basis of the GMP Work Proposal,
- **2.2.4** the Technical Specifications;
- 2.2.5 the Contract Drawings; and
- **2.2.6** all other Exhibits, whether attached to this Construction Contract, incorporated by reference or later added by Change Order.
- 2.3 The intent of the Contract Documents is to include all terms, conditions, work items and services necessary or required for the proper execution and completion of the Work. The Contract Documents are complementary, and what is required by any one shall be binding as if required by all. Work items or services not covered in the Contract Documents will be required unless they are not consistent with the Contract Documents and are not inferable from the Contract Documents as being necessary to produce the result intended by the Contract Documents. Anything mentioned in the Technical Specifications and not shown on the Contract Drawings, or shown on the Contract Drawings and not mentioned in the Technical Specifications, shall be of like effect as if shown or mentioned in both. Words and abbreviations that have well known technical or trade meanings are used in the Contract Documents in accordance with such recognized meaning.
- 2.4 It is contemplated by the parties that numerous exhibits or attachments, including construction documents and final technical specifications, will not be accomplished or must be developed after execution of this Construction Contract and, as such, must be finalized, incorporated by reference and/or attached to and be made a part of the Contract Documents subsequent to execution of this Construction Contract. The incorporation of such exhibits or attachments into this Construction Contract shall be accomplished by written directive from the Manager of Public Works or the Manager's designee. The parties shall be diligent in accomplishing these exhibits and attachments. To the extent these new exhibits or attachments conflict with other exhibits or portions of this Construction Contract, the greater service, better quality or greater quantity shall be included in the Work. However, nothing contained in this section shall limit the Contractor's ability to seek Change Order time and compensation adjustments for City changes to the Work incorporated into any of these later exhibits and attachments.

**2.5** Where reference is made in this Construction Contract to a provision of the General Conditions or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.

# 3.0 SCOPE OF WORK:

- **Completion Obligation.** The Contractor shall execute the Project described in the Contract Documents, except to the extent specifically indicated in the Contract Documents as the responsibility of others. The Contractor agrees to commence and undertake the performance of the Work under this Construction Contract within ten (10) days of the date of issuance of a Notice to Proceed in substantially the form attached as **Exhibit F** and agrees to substantially complete said Work within the Contract Time and fully complete said Work in accordance with the Contract Documents. The Contractor may complete the Project earlier than the date for substantial completion established by the Contract Time, but any claim by the Contractor based on delay shall be based upon the date for substantial completion established by the Contract Time and not on an earlier projected completion date that the Contractor may propose.
- **Scope of Work.** The entire Scope of Work shall include the following:
- **3.2.1 Preconstruction Phase Services**. The Preconstruction Services are comprised of all those services, obligations and responsibilities set forth in the Preconstruction Services Agreement, incorporated herein by this reference as **Exhibit G**. In order to expedite Project completion, the Parties entered into the Preconstruction Agreement to perform Preconstruction Services, in anticipation of the start of the Construction Phase of the Project. In accordance with the terms of the Preconstruction Agreement, compensation for the performance of such services is based on a lump sum fee for services. For the duration of this Construction Contract, the Contractor shall continue to perform any further Preconstruction Services required by the Project as part of its obligations under this Construction Contract as a Cost of the Work with no increase to the GMP.
- **3.2.2 Construction Services.** The Construction Phase Services shall include the furnishing of all construction administration, management, supervision and coordination experience and expertise, as well as all construction services, work effort, labor, tools, supplies, manufactured components, equipment, materials, and everything else necessary and required to complete the construction of the Project on time and within budget; while satisfying the City's longstanding commitment to quality, efficiency, value, innovation, partnering, responsiveness to agency and community needs and compliance with all applicable regulatory requirements in the performance of general public improvements. Compensation for the Construction Phase Services shall be in accordance with the terms and conditions of this Construction Contract.
  - **3.2.2.1 GMP Scope of Work.** The Contractor shall perform all Construction Services, as set forth in the Bid Package I GMP Proposal, which is attached as **Exhibit C**.
  - (Note: The City may in its sole discretion elect to complete the Project using multiple bid packages. In the event that the City elects to proceed in this manner the City will modify the contract appropriately.)
- **3.2.3 The Work.** The terms "Scope of Work" or "Work" as used herein shall mean all Construction Services required by or reasonably inferable from the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work shall constitute the whole of the Project.

- **3.3** <u>Acknowledgement of Scope of Work.</u> The Contractor expressly recognizes and acknowledges that this Project must be completed within the time and fiscal constraints as set forth throughout this Construction Contract.
- **3.3.1** The Contractor further represents to the City that by executing this Construction Contract, it has been fully informed of and has thoroughly reviewed the following: the objectives of the Project; the work effort of the Design Consultant performed to date for the Project; all of the Contract Documents attached to this Construction Contract or incorporated by reference; the City's general time and budget constraints and contingencies applicable to the Budget; and all of the Work required by the Contractor by the Contract Documents. Based upon this thorough review and analysis and recognizing that the contract for design services is between the City and the Designer, the Contractor nonetheless represents to the City that it will provide or perform all of the necessary Work within the requirements of the Contract Documents.
- **3.3.2** Also by execution of this Construction Contract, the Contractor covenants and represents that the Contractor has visited the site of the Project (the "Site") and has had sufficient time and opportunity to independently examine and is sufficiently familiar with: the Site, the character and nature of the Site layout and materials, the character and nature of all Site constraints, restrictions and limitations, and limitations on ingress, egress and construction staging and performance; and the local conditions under which the Work is to be performed, including weather conditions and any other factors which may impact the Work. The Contractor further represents that it has taken into consideration and correlated these direct observations, examinations and investigations with the requirements of the Contract Documents and in the pricing of the Work, the formulation of the GMP, the Contractors Fee and in preparing all Exhibits.
- **3.3.3** Also by execution of this Construction Contract, the Contractor represents that it has reviewed and is familiar with the City's general expectations and scheduling assumptions regarding the completion of the Project and opening of the completed facility and that, given the Scope of Work, these scheduling assumptions are reasonable and achievable. The Contractor further represents that it will take into consideration and correlate these assumptions and constraints with the requirements of the Contract Documents and in the pricing of the Work, the GMP and the Contractor's Fee.
- **3.3.4** Finally, the Contractor represents that it has reviewed the Design Consultant Agreements and the 50% Design Development (DD) Phase Design Drawings, accepts the terms and requirements thereof and affirmatively states that the Project, as expressed by the design documents and the Project requirements and constraints as modified by value engineering suggestions, budget adjustments and cost cutting measures suggested by the Contractor as of June 29, 2015 is a reasonable and constructible Project, incorporating a reasonable and workable delivery approach, schedule and budget.

# 4.0 RELATIONSHIP OF THE PARTIES:

4.1 The parties intend herein to establish a relationship wherein the City relies upon the integrity and fidelity of the Contractor to complete the Project within the time and budget constraints set forth in this Construction Contract and in a manner which satisfies the City's longstanding commitment to quality, efficiency, value, innovation, partnering, responsiveness to agency and community needs and compliance with all applicable regulatory requirements in the performance of general public improvements.

- **4.2** The Contractor accepts the relationship of trust and confidence established by this Construction Contract with the City. The Contractor further agrees to utilize the Contractor's best skills, efforts, and judgment in furthering the interests of the City regarding the Project; to furnish at all times an adequate supply of qualified and competent workers and quality materials; and to perform the work in the best, most expeditious, and economical manner. Further, the Contractor agrees to furnish efficient business administration, construction management and superintendence and to use its best efforts to complete the Work in an expeditious and economical manner, consistent with the interests of the City.
- 4.3 The City will have a separate agreement with the Design Consultant to design the Project and to provide construction contract administration services necessary to ensure that the Work conforms to the Contract Drawings and Technical Specifications. Both the Contractor and the Design Consultant shall be given direction by the City, or the City's designated and authorized representative(s). The Contract Documents shall not be deemed to create any contractual relationship between the Design Consultant and the Contractor or any separate contractors, subcontractors of any tier or suppliers on the Project. The relationship between the Contractor and the Design Consultant is intended to be cooperative and proactive, with both participating on the same team with the City.
- **4.4** The Contractor shall accept the designated and authorized representatives of the City identified in the Contract Documents and perform its obligations toward and in response to such representatives in the same manner it would toward and in response to the City, pursuant to such designation and authorization.
- **4.5** <u>City Delegation of Authority.</u> With reference to G.C. 212, CITY'S CONTRACT ADMINISTRATION LINE OF AUTHORITY, the Manager delegates to the City Engineer the authority necessary to undertake the responsibilities identified as the responsibilities of the Deputy Manager under this Construction Contract. The City Engineer hereby designates as Project Manager with authority to handle the day to day administration of this Construction Contract, the following personnel:

# **Department of Public Works**

**Telephone** 

# **Project Manager**

Brett Hahnenkamp

720-865-2668

# 5.0 COORDINATION AND COOPERATION:

- **5.1** The Contractor agrees to cooperate and coordinate fully with the City in its performance of the Work to meet or exceed the City's time and budgetary objectives and limitations, while maintaining the City's longstanding commitment to quality, efficiency, value, innovation, partnering, responsiveness to agency and community needs and compliance with all applicable regulatory requirements in the construction of general public improvements.
- 5.2 The Contractor shall, as a continuing work item under this Construction Contract, facilitate coordination, communication and cooperation regarding its performance hereunder between the City's Department of Public Works ("Public Works"), the Project Manager, the Design Consultant, the User Agency, other City consultants and any affiliated entities. In addition, the Contractor shall coordinate its efforts under this Construction Contract with all involved governmental and regulatory entities.

- 5.3 The Contractor shall be responsible for taking accurate and comprehensive minutes at all Construction meetings attended by the Contractor regarding the Project. Those minutes shall be prepared in a format approved by the Project Manager and issued to all attendees, as well as those other parties designated by the City, no later than three working days after the meeting. Unless approved in advance in writing by the Project Manager and to the greatest extent practicable, Project meetings with the City shall be conducted in the City and County of Denver, Colorado.
- 5.4 Nothing contained in the Contract Documents shall be deemed to give any third party any claim or right of action against the City, the Design Consultant or the Contractor that does not otherwise exist without regard to the Contract Documents.
- **5.5** The Contractor shall use its best efforts and take all necessary precautions to protect and prevent damage and/or disruption to all City facilities and equipment, and shall coordinate all ingress and egress requirements with appropriate persons and agencies.

# 6.0 CONTRACT TIME, SUBSTANTIAL COMPLETION AND LIQUIDATED DAMAGES:

- **6.1** <u>Substantial Completion</u>. The term "Substantial Completion" is defined in the General Conditions. The number of days the Contractor shall have to attain Substantial Completion of the Scope of the Work set forth in the Contract Documents is set forth in this Section.
- **6.2** Construction Time. The term "Construction Time" is defined as the total number of days between the date of the Notice to Proceed with Construction and the date on which Substantial Completion of all Work must be completed by the Contractor. The Construction Time shall be: **542** Calendar Days.
- **6.3 Final Completion.** Final Completion of the Work occurs following Substantial Completion when all punch list items are completed and the Contractor has provided the City with a Final Lien release Form (which may be contingent upon receipt of Final Payment) (in the form of **Exhibit H**). The term "Final Completion" is defined in the General Conditions.
- Liquidated Damages. The parties recognize and agree that time is of the essence of this 6.4 Contract. In the event that the Work is not Substantially Complete within the Construction Time, as that time may be extended for delays for which an extension of time is permitted under the terms of the Contract Documents, the City and the Contractor acknowledge and agree, after a full discussion of the implications of this section, that it would be impractical and extremely difficult to estimate the damages (including, by way of example but without limitation, direct and indirect, incidental, special and consequential damages) which the City might incur for failure of the Contractor to timely achieve Substantial Completion within either the Construction Time. Therefore, the City and the Contractor have determined that a reasonable estimate of the total detriment that the City would suffer in the event that the Contractor so defaults and the Project is not Substantially Complete within the Construction Time, as extended as permitted herein, is and shall be, in the event of said default and failure, as the sole and exclusive remedy (whether at law or in equity) of the City for this delay, and not as a penalty, the amount per day stated below that the Work shall remain not Substantially Complete after the Construction Time, as applicable, including extensions, has elapsed. It is understood and agreed that the City reserves all of its other rights and remedies for any other or different breach or default of this Construction Contract by Contractor, or for any other cause of action.

# **Liquidated Damages Table**

Amount per Day Substantial Completion \$5000.00 Amount per Day Final Completion \$1000.00

The parties agree that the foregoing amounts shall be the full amount of liquidated damages recoverable against the Contractor by the City for the Contractor's breach of its covenants of timely performance hereunder. The amount so determined shall be the full, agreed upon and liquidated damages recoverable against the Contractor by the City for the Contractor's breach of its covenants of timely performance hereunder. The provisions of this Section shall not limit the rights and remedies of the City pursuant to the General Conditions.

# 7.0 SUBCONTRACTS AND OTHER AGREEMENTS:

**7.1** Subcontractor Selection. The Contractor recognizes and accepts that the subcontractor and supplier selection and contracting procedures specified herein are intended to promote pricing or buyout of the Work which is fair and reasonable and, to the greatest extent practicable, is based on fair and open competition. As such, all Work, except for Work or Services included in the Contractor's Fee, the Contractor's General Conditions or Work performed by the Contractor with the prior written approval of the Project Manager ("Self-Performed Work") shall be procured based upon competitive bids awarded to the lowest, responsive and qualified bidder and subcontracted to "Subcontractors" and "Suppliers," which may include Contractor Self-Performed Work under Section 7.1, in accordance with **Exhibit J** and in compliance with the General Conditions, attached hereto and incorporated herein as **Exhibit A**. Each Subcontractor and Supplier selection shall be reviewed by the City and the City reserves the right to reject any Subcontractor or Supplier in accordance with the terms and conditions of the General Conditions or in the event the City determines that the selection was not made after a competitive bid. Upon request of the Contractor, the City may waive the competitive bid requirement of this Section with the express written approval of the Project Manager.

# 7.2 Self-Performed Work.

- **7.2.1** Upon prior written approval of the Project Manager, the Contractor may compete for designated Subcontractor or Supplier Work packages. The Contractor may only submit proposals as they were packaged for subcontractor bidding. Should the Contractor submit a proposal for any such package, such proposal shall be submitted directly to the Project Manager one (1) day prior to any proposal deadline and all bid or selection requirements specified in **Exhibit O** shall apply to proposal or bid opening and evaluation. The Project Manager shall review with the Contractor all bids submitted where the Contractor has submitted a bid and shall make the final award after consultation with the Contractor. The City must approve any Self-Performed Work award to the Contractor. The Contractor shall perform for the Contractor's lump sum bid amount on the basis of a Stipulated Lump Sum Subcontract, which shall also be subject to City review and written approval of the Project Manager prior to commencement of any Self-Performed Work, but shall not be subject to the cost of work limitations of the Contract Documents.
- **7.2.2** Notwithstanding the bidding requirements set forth in Section 7.2.1, the Contractor shall submit to the City, on or before March 31, 2015, a final Self Performed Work Proposal for the Surveying, Erosion Control, Concrete, Rough Carpentry, Wall Blocking, Doors, and General Trades work on the Project. Such final Proposal shall be for the scope of work described in the Self Performed Work Proposal attached hereto as **Exhibit J** and, under no circumstances, shall the proposal exceed the maximum amount for such work set forth in **Exhibit C**. Upon receipt of the

final Proposal, the Manager may, at the Manager's sole discretion, accept the proposal, reject the proposal or engage in further negotiations regarding this work. If finally accepted by the Manager, the City will issue a change order for this work and the work described in the Final Self Performed Work Proposal will be incorporated into the GMP Scope of Work and GMP price as if fully set forth herein. In addition, the Construction Time shall be adjusted accordingly. If the City rejects the final proposal, the terms of Section 7.2.1 shall apply to the above described work of the Project.

- **Subcontract Forms.** All subcontracts will be between the Contractor and the selected Subcontractors or Suppliers, which may include the Contractor for Lump Sum Self-Performed Work. The form of each subcontract shall be furnished to the City for review and acceptance as to form, which acceptance shall not be unreasonably withheld. All subcontracts shall require that all Subcontractors or Suppliers of any tier performing Work accept and agree to be bound by the terms and conditions of the Contract Documents and to assume toward the Contractor all obligations and responsibilities the Contractor, by the Contract Documents, assumes toward the City. All subcontracts shall preserve and protect the rights of the City under the Contract Documents with respect to the Work to be performed by the Subcontractor so that the subcontracting thereof shall not prejudice these rights.
- **7.4** <u>Substitution</u>. The Contractor shall make no substitution for a Subcontractor or Supplier previously selected without the prior written approval of the Project Manager and such approval shall not be unreasonable withheld.
- **Responsibility.** The Contractor shall be responsible to the City for the acts and omissions of its agents and employees, Subcontractors and Suppliers of any tier, and their agents and employees performing Work under this Construction Contract.

# 8.0 COMPENSATION.

- **8.1** Cost of the Work. The term Cost of the Work shall consist of costs necessarily incurred in the proper performance of the Work for the Project as delineated below which shall be paid by the City to the Contractor. Cost of the Work shall not include any Fee of the Contractor. Any allowable mark-up by the Contractor is included in the Contractor's Fee. Cost of the Work shall consist of the following Contractor incurred items set forth below:
- Cost of wages paid for labor in the performance of the Work at the site or with the City's agreement at offsite workshops, which shall as a minimum be in accordance with the prevailing wage rates established by the City and County of Denver for construction projects, as set out in DRMC Section 20-76, and in effect at the time that the GMP is established. In the event the prevailing wage rates are increased in accordance with DRMC Section 20-76, on the anniversary date of this Construction Contract, these increases shall also be included as a cost of the work. Costs paid or incurred by the Contractor shall include actual wages for the Contractor's own personnel (including overtime premiums as applicable), taxes, insurance, contributions, assessments and benefits required by law or collective bargaining agreements and for personnel not covered by such agreements, customary benefits and the Contractor's company policy such as sick leave, individual and dependent medical and health benefits, disability insurance, holidays, craft training fund, vacation, pension, and, as applicable, 401K contributions. The City and the Contractor agree that the wages and burden for the personnel referenced in this paragraph and paragraphs 8.1.17 and 8.1.18 shall be charged as a Cost of the Work at not less than the stipulated fixed rates set forth on Prevailing Wage Rate Schedule, attached as Exhibit K, or as appropriate charges at the stipulated fixed rates set forth on the Billing Rates for Salaried Personnel attached as Exhibit L.

- **8.1.2** Cost of contributions, assessments or taxes for such items as unemployment compensation and social security, insofar as such cost is based on wages, salaries or other remuneration paid pursuant to Section 8.1.1.
- **8.1.3** Cost of mock-ups and testing, as may be previously approved by the Project Manager.
- **8.1.4** Actual cost paid by Contractor for all materials, supplies and equipment incorporated in the Work, including costs of transportation thereof.
- **8.1.5** Payments properly made by the Contractor to Subcontractors and Suppliers under Project subcontracts for performance of portions of the Work including insurance required by this Contract and bond premiums incurred.
- **8.1.6** Payments actually made for architects, engineers and other consultants providing services to the Contractor reasonably required to perform the work, unless such services are to be provided to the Owner by the Design Consultant or other City-Retained Consultants (as defined in the Design Consultant's Agreement for Professional Design Services).
- **8.1.7** Cost, including transportation, inspection, handling, storage and maintenance, of all temporary facilities and all materials, supplies, equipment and hand tools not owned by the workmen that are consumed in the performance of the Work on the Project. The Contractor shall negotiate with the City the salvage value of all items purchased and used on the Project but not consumed, damaged, lost or stolen at the completion of the work, crediting any proceeds against the Cost of the Work. If the Contractor and the City cannot agree on the salvage value of the above items then said items shall remain the property of the City and the Contractor shall give no credit to the Cost of the Work. The Contractor may institute a voluntary recycling program.
- **8.1.8** Actual rental charges of all necessary machinery and equipment, exclusive of hand tools, used at the Site, whether rented from the Contractor (at rental rates approved by City and specified on **Exhibit M**) or others, including equipment owned by the Contractor that is assigned to salaried staff and charged to the Project and costs of fuel, oil, insurance, maintenance and minor repairs and replacements, transportation, installation, dismantling and removal thereof. The City and the Contractor agree that the rates for the rented equipment shall be charged as a Cost of Work at the stipulated fixed rates set forth on the Equipment Rental Rate Schedule, attached as **Exhibit M**. Rates shall be fixed for the duration of the project unless approved in writing by the Project Manager.
- **8.1.9** The cost of the premiums for all bonds and Builder's Risk insurance that the Contractor is required to procure by this Construction Contract. The costs of the premiums for all other insurance that the Contractor is required to procure by this Construction Contract or that are deemed necessary by the Contractor with the City's written approval shall be charged as a Cost of the Work at the stipulated fixed percentage of 1.99% of the Cost of Work, and all deductibles that are attributable to this Construction Contract, including equipment insurance deductibles.
- **8.1.10** Applicable sales, use or similar taxes related to the direct performance of the Work and for which the Contractor is liable, imposed by any governmental authority.
- **8.1.11** Permits, fees, licenses, costs of all tests, commissioning costs, inspections and approvals, as may be required by the Contract Documents or applicable laws, ordinances or public authority for the performance of the work (except for inspection and testing performed by the City, at its cost).

- **8.1.12** Actual costs of reproduction, telegrams, facsimile transmissions, mobile phones, long distance telephone calls, telephone service at the Site, postage and express delivery charges, and reasonable petty cash expenses of the site office in connection with the Work.
- **8.1.13** Cost of removal of all debris from the Site.
- **8.1.14** Costs for temporary and permanent power, lighting, heat, chilled drinking water, sewer and water services as required to complete the Work at the Site, and costs for snow removal as required.
- **8.1.15** Cost incurred by the Contractor in repairing or correcting defective, damaged or nonconforming work, provided that such defective, damaged or nonconforming work was beyond the control of the Contractor, Subcontractors, or Suppliers, or caused by the ordinary mistakes or inadvertence, and not the negligence of the Contractor's or any Subcontractor's or Supplier's supervisory personnel. If the costs associated with such defective, damaged or nonconforming work are recoverable from insurance or Subcontractors or Suppliers, the Contractor shall exercise its best efforts to obtain recovery from the appropriate source and credit the Cost of the Work if recovery is obtained.
- **8.1.16** Costs incurred due to any emergency affecting the safety of persons and property and related to the Work unless otherwise covered by insurance or reimbursable from a Subcontractor or Supplier, or unless such costs are due to the fault or negligence of the Contractor or a Subcontractor or Supplier of any tier.
- **8.1.17** Wages or salaries of the Contractor's supervisory and administrative personnel when stationed at the site, and when stationed off-site and working on the Project in accordance with the staffing and salary schedule set forth in **Exhibit L**, including vacation time, in accordance with the Contractor's company policy, accrued and taken during the performance of the Work. This includes estimators, safety personnel, quality control personnel and their assistants.
- **8.1.18** Wages or salaries of the Contractor's supervisory or administrative personnel engaged at factories, workshops or on the road, in expediting the production or transportation of materials or equipment required for the Work, but only for that portion of their time required for the Work in accordance with the staffing and salary schedule set forth in **Exhibit L**.
- **8.1.19** With prior written approval of the Project Manager, that portion of the reasonable travel and subsistence expenses of the Contractor's personnel incurred while traveling in discharge of duties connected with the Work.
- **8.1.20** Fees of testing laboratories for tests required by the Contract Documents.
- **8.1.21** Legal, mediation and arbitration costs other than those arising from disputes between the City and the Contractor reasonably incurred by the Contractor in the performance of the Work and with the City's prior written permission of the Project Manager.
- **8.1.22** Other costs incurred in the performance of the Work if and to the extent approved in advance in writing by the City.
- **8.1.23** Costs associated with the implementation of any established company safety program, which costs shall be subject to City's reasonable approval.

- **8.1.24** Contractor's General Conditions expenses as identified in **Exhibit C**. These expenses include rented or purchased materials and equipment used by the Contractor at the Project site office in connection with the Work.
- **8.1.25** Cost of warranty repairs, to the extent not covered by a subcontract or purchase agreement (provided that the Contractor shall use its best efforts to enforce the warranties received from subcontractors, suppliers and vendors). These costs include the Contractor's administrative staff associated with supervision and management of the warranty repairs.
- **8.1.26** Reasonable data processing costs related to the work, including data line service, internet charges, software costs and licenses fees.
- **8.1.27** All costs and fees incurred in the performance of work and approved for payment under the Preconstruction Services Agreement ( $\mathbf{Exhibit} \mathbf{G}$ ).
- **8.1.28** Deposits for materials, design of manufactured items and supplied items is the responsibility of the contractor. Reimbursements will be made once the item is installed and accepted by the Project Manager.
- **8.2** Costs Not To Be Reimbursed. Cost of the Work shall not include expenditures made for any of the following:
- **8.2.1** Salary of any officer of the Contractor.
- **8.2.2** Salary of the Contractor's employees stationed at the Contractor's main office not working on the Project.
- **8.2.3** Overhead, profit and general expenses of any kind except as included in the Contractor's Fee.
- **8.2.4** The capital expenses of the Contractor, including interest on capital employed for the work.
- **8.2.5** Expenses of the Contractor's principal office and offices, other than the Site office.
- **8.2.6** Costs incurred by the Contractor in situations where such costs may be covered by insurance or recoverable from a Subcontractor or Supplier, if the Contractor failed to use its best efforts to obtain such insurance proceeds or recovery from the responsible Subcontractor(s) or Supplier(s).
- **8.2.7** Expenses incurred for relocation and temporary living expenses of personnel required for the Work, or when such relocation is for the convenience of the Contractor.
- **8.2.8** Any cost that would cause the GMP to be exceeded.
- **8.2.9** Any costs not specifically included in the Cost of the Work, Section 8.1.
- **8.2.10** Costs of retesting non-conforming Work.
- **8.3** <u>Contractor's Fee.</u> The "Contractor's Fee" (the "Fee") to be paid to the Contractor and included in the GMP shall be a lump sum of **TWO HUNDRED EIGHTEEN THOUSAND SIXTY ONE DOLLARS AND NO CENTS** (\$218,061.00), payable in progress installments pursuant to a mutually agreeable schedule of progress installments.

# 8.4 Guaranteed Maximum Price.

- **8.4.2** Guaranteed Maximum Price. The GMP shall be established at the time the GMP proposal is accepted by the City and incorporated herein as **Exhibit C**, subject to adjustments as provided in the Contract Documents.
- **8.4.3** The Guaranteed Maximum Price consists of the sum of (i) the estimated Cost of the Work; and (ii) the Fee. The Contractor has presented and the City has accepted the Guaranteed Maximum Price and Basis of the GMP Proposal attached hereto as **Exhibit C**. The Parties specifically agree that the City shall not be subject to any cost, charge or fee under this Agreement that is not specified above.
- **8.5** Savings. In the event that the actual Cost of the Work plus the Fee shall be less than the GMP, the resulting savings shall inure One Hundred Percent (100%) to the City. The Contractor shall distribute such savings to the City by Change Order that either reduces the GMP or implements enhancements or additions to the Project requested by the City.
- 8.6 <u>Construction Contract Amount and Funding</u>. In accordance with the terms of this Construction Contract, the maximum Construction Contract Amount to be paid by the City to the Contractor under this Agreement shall not exceed **EIGHT MILLION SEVEN HUNDRED EIGHTY NINE THOUSAND NINETY SIX DOLLARS AND NO CENTS (\$8,789,096.00).** The Contractor guarantees and warrants that the Project will be completed by its performance hereunder for the GMP amount. In no event will the City's liability exceed the maximum Construction Contract Amount, as adjusted by duly authorized change order in accordance with this Construction Contract. The parties specifically agree that any performance by the Contractor hereunder shall not subject the City to any cost, charge or fee not specified above.

# 9.0 DISPUTE RESOLUTION:

It is the express intention of the parties to this Construction Contract that all disputes of any nature whatsoever regarding the Construction Contract including, but not limited to, any claims for compensation or damages arising out of breach or default under this Construction Contract, shall be resolved by administrative hearing pursuant to the provisions of Section 56-106, DRMC or, with respect to appropriate issues involving Small Business Enterprise contracting, by Section 28-33, DRMC. The Contractor expressly agrees that this dispute resolution process is the sole and only dispute resolution mechanism that will be recognized and employed by the parties for any claims put forward by the Contractor, notwithstanding any other claimed theory of entitlement on the part of the Contractor or its Subcontractors or Suppliers.

# **10.0 ADDITIONAL PROVISIONS:**

No Discrimination in Employment. In connection with the performance of the Work under this Construction Contract, the Contractor agrees not to refuse to hire, discharge, promote or demote, or to discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, gender, age, military status, sexual orientation, marital status, or physical or mental disability; and the Contractor further agrees to insert the foregoing provision in all subcontracts hereunder. Further, the Contractor agrees to comply with the provisions of Section 28-45 to 28-47, DRMC, and all Rules and Regulations promulgated and adopted by the Manager of Public Works pursuant thereto relating to non-discrimination in employment by contractors, subcontractors and suppliers receiving compensation for work performed on the Project.

- **10.2.1** <u>Insurance</u>. In addition to the requirements and obligations set forth in Title 16, the Contractor shall comply with the insurance requirements set forth in **Exhibit N**.
- **10.2.2** <u>Title to the Work.</u> The parties agree that the City shall have title to all components and aspects of the Project which are in place and title to all materials for which any payment has been made to the Contractor hereunder.
- 10.3 Compliance with Minority/Women Owned Business Enterprise Requirements. Construction Contract is subject to all applicable provisions of Divisions 1 and 3 of Article III, of Chapter 28, Denver Revised Municipal Code (D.R.M.C.), designated as Sections 28-31 – 29-36 and 28-52 - 28-90 D.R.M.C. and referred to in this Contract as the "M/WBE Ordinance". accordance with the requirements of the M/WBE Ordinance, the Contractor is committed to, at a minimum, meet the participation goal of twenty two percent (22%) established for this Project utilizing properly certified M/WBE subcontractors and suppliers. In addition to the applicable provisions of the M/WBE Ordinance, the Contractor agrees, as an express condition of its performance hereunder, to comply with the requirements of any approved Small Business Enterprise Compliance Plan (attached and incorporated herein as Exhibit O). Such plan shall, at a minimum, include a narrative regarding compliance with the goal; a list of committed M/WBE participants along with dollar and percent participation for each evidencing compliance with the overall goal, and fully executed letters of intent for each listed participant, all in a form satisfactory to the City. Without limiting the general applicability of the foregoing, the Contractor acknowledges its continuing duty, pursuant to Sections 28-72, 28-73 and 28-75 DRMC and the M/WBE Program, to meet and maintain throughout the duration of this Construction Contract its participation and compliance commitments and to ensure that all Subcontractors subject to the M/WBE Ordinance or the M/WBE Program also maintain such commitments and compliance. Failure to comply with these requirements may result, at the discretion of the Director of the Division of Small Business Opportunity ("DSBO"), in the imposition of sanctions against the Contractor in accordance with Section 28-77, DRMC. Nothing contained in this Paragraph or in the referenced City ordinance shall negate the City's right to prior approval of Subcontractors, or substitutes therefore, under this Construction Contract.
- **10.4** Compliance with Wage Rate Requirements. In performance of all Work hereunder, the Contractor agrees to comply with and be bound by all requirements and conditions of the City's Payment of Prevailing Wages Ordinance, Sections 20-76 through 20-79, DRMC, including but not limited to all Construction Contract anniversary date wage rate adjustments, and any determinations made by the City pursuant thereto. In accordance with Section 20-76(b), DRMC, the prevailing wage rate schedule applicable to this Construction Contract shall be the most current schedule available at the time the Contractor executes this Construction Contract and such schedule is attached hereto and incorporated herein as **Exhibit K**. For purposes of establishing a date for prevailing wage rate anniversary adjustments the contract date should be the date of the attached wage rate schedule (**Exhibit K**).
- 10.5 Applicability of Laws. This Contract and Agreement between the Contractor and the City shall be deemed to have been made in the City and County of Denver, State of Colorado and shall be subject to, governed by and interpreted and construed in accordance with the laws of the State of Colorado and the Charter, the Revised Municipal Code, Rules, Regulations, Executive Orders and fiscal rules of the City. As such, the Contractor shall at all times comply with the provisions of the Charter, Revised Municipal Code, Rules, Regulations, Executive Orders and fiscal rules of the City, and those of the State of Colorado and Federal Laws and Rules and Regulations, which in any manner limit, control or apply to the actions or operations of the Contractor, any Subcontractors, employees, agents or servants of the Contractor engaged in the Work or affecting the materials and equipment used in the performance of the Work, as the same may be, from time to time,

promulgated, revised or amended. The Charter and Revised Municipal Code of the City, as the same may be amended from time to time, are hereby expressly incorporated into this Construction Contract as if fully set out herein by this reference.

10.6 <u>Appropriation</u>. Notwithstanding any other term, provision, or condition herein, all payment obligations under this Construction Contract shall be limited to the funds appropriated or otherwise made available by the Denver City Council and paid into the Treasury of the City. As of the date of this Construction Contract, **EIGHT MILLION SEVEN HUNDRED EIGHTY NINE THOUSAND NINETY SIX DOLLARS AND NO CENTS** (\$8,789,096.00) have been appropriated for this Construction Contract. The Manager of Public Works, upon reasonable written request, will advise the Contractor in writing of the total amount of appropriated and encumbered funds that are or remain available for payment to the Contractor.

10.7 The issuance of any form of order or directive by the City which would cause the aggregate amount payable to the Contractor to exceed the amount appropriated for the Work to be performed in accordance with the Contract Documents is expressly prohibited. In no event shall the issuance of any change order or other form of order or directive by the City be considered valid or binding if it requires additional compensable Work to be performed, which Work will cause the aggregate amount payable for such Work to exceed the amount appropriated and encumbered for the Work, unless and until such time as the Contractor has been advised in writing by the Manager of Public Works that a lawful appropriation sufficient to cover the entire cost of such additional Work has been made. It shall be the responsibility of the Contractor to verify that the amounts already appropriated for the Work are sufficient to cover the entire cost of such Work, and any Work undertaken or performed in excess of the amount appropriated is undertaken or performed in violation of the terms of this Agreement, without the proper authorization for such Work, and at the Contractor's own risk and sole expense.

**10.8** <u>Approvals.</u> In the event this contract calls for the payment by the City of five hundred thousand dollars (\$500,000.00) or more, approval by the City Council of the City and County of Denver, acting by ordinance, in accordance with Section 3.2.6 of the Charter of the City and County of Denver, is and shall be an express condition precedent to the lawful and binding execution and effect and performance of this contract.

**10.9** <u>Assignment Strictly Prohibited</u>. The Contractor shall not assign or otherwise transfer, in whole or in part, any of its rights, benefits, claims, obligations, duties or entitlement to monies owed or which may become due under this Construction Contract, except upon the prior written consent and approval of the Manager to such assignment.

**10.10** Conflict of Interest. The parties agree that no official, officer or employee of the City shall have any personal or beneficial interest whatsoever in the services or property described herein and the City further agrees not to hire or contract for services with any official, officer or employee of the City or any other person which would be in violation of the Denver Revised Municipal Code Chapter 2, Article IV, Code of Ethics, or Denver City Charter provisions 1.2.9 and 1.2.12.

**10.11** Taxes, Charges and Penalties. Except as provided in the City's Prompt Payment ordinance, codified at DRMC Sections 20-107, 20-108 and 20-109, the City shall not be liable for the payment of any taxes, late charges, interest or penalties of any nature arising out of this Construction Contract.

**10.12** Waiver of C.R.S. 13-20-802 et. seq. The Contractor specifically waives all the provisions of Part 8 of Article 20 of Title 13, Colorado Revised Statutes regarding defects in the Work under this Construction Contract.

# 10.13 Proprietary or Confidential Information.

- **10.15.1 City Information**: The Contractor understands and agrees that, in performance of this Construction Contract, the Contractor may have access to private or confidential information that may be owned or controlled by the City and that such information may contain proprietary or confidential details, the disclosure of which to third parties may be damaging to the City. The Contractor agrees that all information disclosed by the City to the Contractor shall be held in confidence and used only in performance of the Construction Contract. The Contractor shall exercise the same standard of care to protect such information as a reasonably prudent Contractor would to protect its own proprietary data.
- 10.15.2 Contractor Information: The parties understand that all the material provided or produced under this Construction Contract may be subject to the Colorado Open Records Act, C.R.S. 24-72-201, et seq., and that in the event of a request to the City for disclosure of such information, the City shall advise the Contractor of such request in order to give the Contractor the opportunity to object to the disclosure of any of its proprietary or confidential material. In the event of the filing of a lawsuit to compel such disclosure, the City will tender all such material to the court for judicial determination of the issue of disclosure and the Contractor agrees to intervene in such lawsuit to protect and assert its claims of privilege against disclosure of such material. The Contractor further agrees to defend, indemnify and save and hold harmless the City, its officers, agents and employees, from any claim, damages, expense, loss or costs arising out of the Contractor's intervention to protect and assert its claims of privilege against disclosure under this Section including, but not limited to, prompt reimbursement to the City of all reasonable attorney fees, costs and damages that the City may incur directly or may be ordered to pay by such court.
- **10.14 Status of Contractor.** It is understood and agreed that the status of the Contractor shall be that of an independent contractor retained on a contractual basis to perform work or services for limited periods of time, and it is not intended, nor shall it be construed, that the Contractor, or any member of its staff or any consultant, is an employee or officer of the City for any purpose whatsoever.
- **10.15** Rights and Remedies Not Waived. No payment or failure to act under the Construction Contract by the City shall constitute a waiver of any breach of covenant or default which may then exist on the part of the Contractor. No assent, expressed or implied, by either party to any breach of the Construction Contract shall be held to be a waiver of any default or other breach.
- 10.16 Notices. Any notices, demands, or other communications required or permitted to be given by any provision of this Construction Contract shall be given in writing, delivered personally or sent by registered mail, postage prepaid and return receipt requested, addressed to the parties at the addresses set forth herein or at such other address as either party may hereafter or from time to time designate by written notice to the other party given in accordance herewith. Notice shall be considered received on the day on which such notice is actually received by the party to whom it is addressed, or the third (3rd) day after such notice is mailed, whichever is earlier. Unless changed in writing, such notices shall be mailed to:

If to the Contractor:

A&P Mountain States, LLC

797 Ventura Street Aurora, Colorado 80011

If to the City

Manager of Public Work Department of Public Works City and County of Denver 201 West Colfax, Department 608 Denver, Colorado 80202

With a copy to:

City Attorney
City and County of Denver
201 West Colfax, Department 1207
Denver, Colorado 80202

- **10.17** Survival of Certain Provisions. The parties understand and agree that all terms, conditions and covenants of this Construction Contract, together with the exhibits and attachments hereto, if any, any or all of which, by reasonable implication, contemplate continued performance or compliance beyond the expiration or termination of this Construction Contract (by expiration of the term or otherwise), shall survive such expiration or termination and shall continue to be enforceable as provided herein. Without limiting the generality of the foregoing, the Contractor's obligations for the provision of insurance, for indemnity to the City and for preserving confidentiality of trade secrets and other information shall survive for a period equal to any and all relevant statutes of limitation, plus the time necessary to fully resolve any claims, matters, or actions begun within that period.
- **10.18** Contract Binding. It is agreed that this Construction Contract shall be binding on and inure to the benefit of the parties hereto, their heirs, executors, administrators, successors and duly authorized assigns.
- **10.19 Paragraph Headings.** The captions and headings set forth herein are for convenience of reference only and shall not be construed so as to define or limit the terms and provisions hereof.
- **10.20** Severability. It is understood and agreed by the parties hereto that, if any part, term, or provision of this Construction Contract, except for the provisions of this Construction Contract requiring prior appropriation and limiting the total amount to be paid by the City, is by the courts held to be illegal or in conflict with any law of the State of Colorado, the validity of the remaining portions or provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Construction Contract did not contain the particular part, term or provision held to be invalid.
- **10.21** Electronic Signatures and Electronic Records. Consultant consents to the use of electronic signatures by the City. The Agreement, and any other documents requiring a signature hereunder, may be signed electronically by the City in the manner specified by the City. The Parties agree not to deny the legal effect or enforceability of the Agreement solely because it is in electronic form or because an electronic record was used in its formation. The Parties agree not to object to the admissibility of the Agreement in the form of an electronic record, or a paper copy of an electronic document, or a paper copy of a document bearing an electronic signature, on the ground that it is an electronic record or electronic signature or that it is not in its original form or is not an original.

# [SIGNATURE PAGES FOLLOW]

<b>Contract Control Number:</b>	
IN WITNESS WHEREOF, the parties h Denver, Colorado as of	ave set their hands and affixed their seals at
SEAL	CITY AND COUNTY OF DENVER
ATTEST:	By
APPROVED AS TO FORM:	REGISTERED AND COUNTERSIGNED
By	By
	By



Contract Control Number:

PWADM-201523539-00

Contractor Name:

A&P MOUNTAIN STATES, LLC d/b/a ADOLFSON & PETERSON CONSTRUCTION

TOM HORSTING, SR. VICE PRESIDENT

**AP MOUNTAIN STATES** 

Name:

(please print)

TOM HORSTING, SR. VICE PRESIDENT **AP MOUNTAIN STATES** 

Title: (please print)

ATTEST: [if required]

By: Lec. al

Name: Tonc. BAILEY (please print)

Title: SENIOR PROJECT MANAGER (please print)



# Exhibit A General Contract Conditions 2011 Edition

# CITY AND COUNTY OF DENVER DEPARTMENT OF PUBLIC WORKS

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# EXHIBIT B SPECIAL CONTRACT CONDITIONS

# CITY AND COUNTY OF DENVER DEPARTMENT OF PUBLIC WORKS

# SC-1 CONSTRUCTION SPECIFICATIONS

Except as amended herein or in the attached Technical Specifications, all Work performed under the terms of this Contract shall be governed by the applicable provisions of the following latest editions:

Standard Specifications for Construction, GENERAL CONTRACT CONDITIONS, City and County of Denver (The Index for which is bound herein and commonly referred to as the "Yellow Book") (2011 Edition)

Colorado Department of Transportation "Standard Specifications for Road and Bridge Construction" (Sections 200 through 700 of the 2011 Edition).

Transportation Standards and Details for the Engineering Division, City and County of Denver (January, 2013)

Manual on Uniform Traffic Control Devices for Streets & Highways (MUTCD)

Building Code of the City and County of Denver

National Fire Protection Association Standards (As referenced in the Building Code of the City and County of Denver)

Wastewater Management Division – Detail and Technical Specifications for Storm and Sanitary Construction.

The aforementioned documents are available for review at the Capital Projects Management Office, 201 W. Colfax Ave., Dept. 506, (5<sup>th</sup> floor), Denver, CO 80202. *The Standard Specifications for Construction*, GENERAL CONTRACT CONDITIONS, *City and County of Denver*, and the *Standards and Details for the City and County of Denver* are available online at:

http://www.denvergov.org/Portals/480/documents/2011%20DENVER%20GENERAL%20CONTRACT%20CONDITIONS.pdf

 $\frac{http://www.denvergov.org/rightofwayservices/RightofWayServices/ConstructionInspection/RightofWayConstructionInspection/StandardsandDetails/TransportationStandardsandDetails/tabid/442 \\ 463/Default.aspx$ 

http://www.denvergov.org/wastewatermanagement/WastewaterManagement/EngineeringandPermits/StandardsandDetails/tabid/438018/Default.aspx

The Manual on Uniform Traffic Control Devices for Streets & Highways is available for review as stated above, or can be viewed at the Federal Highway Administration Website at: www.fhwa.dot.gov, where you will also find purchase information.

The "Colorado Department of Transportation Standard Specifications for Road and Bridge Construction" is available for review as stated above, or can be purchased from the Colorado Department of Transportation.

The Wastewater Management Division – Detail and Technical Specifications for Storm and Sanitary Construction, is available at Wastewater Management Division, 2000 W. 3<sup>rd</sup> Avenue, Denver, CO 80223

# SC-2 CITY DELEGATION OF AUTHORITY

With reference to General Contract Condition 109, DEPUTY MANAGER, General Contract Condition 206, ENGINEERING DIVISION and General Contract Condition 214, CITY'S CONTRACT ADMINISTRATION LINE OF AUTHORITY, the Manager hereby designates the City Engineer as the City official responsible for those certain actions and decisions designated as the responsibility of the Deputy Manager under the General Conditions and delegates to the City Engineer the authority necessary to undertake those responsibilities under this Contract. The Director shall have supervisory responsibility over the Project Manager. Additionally, Contractor questions concerning the Plans and Technical Specifications shall be directed to:

# Denver Department of Public Works / Engineering Division,

Project ManagerTelephoneBrandon Gainey720-913-8815Brett Hahnenkamp720-865-2668

ConsultantNameTelephoneA&P Mountain States, LLCCole Mayer303-363-7101

# SC-3 CONTRACT AMOUNT; BID PRICE, GUARANTEED MAXIMUM PRICE

General Condition 103, CONTRACT AMOUNT, is hereby deleted in its entirety and replaced with the following:

"Contract Amount," "Bid Price," "Bid Amount," or "Maximum Contract Amount" means the Guaranteed Maximum Price ("GMP") under the Contract.

In the General Conditions, the phrases "provided to the City at no cost," "at no cost to the City," "cost . . . shall be borne by the Contractor," "costs shall be reimbursed by the Contractor," "at the expense of the Contractor," "Contractor shall bear any and all costs," and "Contractor shall bear any and all additional costs," mean that the costs in question are to be included as a Cost of the Work without any increase to the Guaranteed Maximum Price. Also, whenever a General Condition states that the Contractor shall be required to take any action, or responsible for any action or thing, it means that such requirements and responsibilities are included as a Cost of the

Work without any increase to the Guaranteed Maximum Price, unless there is a specific statement to the contrary as to any such requirement or responsibility.

# SC-4 TIME OF BIDDING; TIME OF CONTRACTING

In the General Conditions, the words "time of bidding," "bidding," and the like, shall mean the time when the Contract is signed.

### SC-5 CONTRACT DOCUMENTS

General Condition 104 CONTRACT DOCUMENTS is hereby deleted in its entirety and replaced with the following:

"The Contract Documents" consist of the documents which are listed in the Contract Form."

# SC-6 CONTRACT TIME

General Condition 105 CONTRACT TIME is hereby deleted in its entirety and replaced with the following:

"Contract Time" is the time specified in the Contract within which the Contractor is required to substantially complete the Work. Substantial Completion shall occur prior to Final Completion. The Contract Documents may require completion on or before a certain specified date.

# SC-7 DEPUTY MANAGER/CITY ENGINEER

General condition 109 DEPUTY MANAGER is hereby deleted in its entirety and replaced with the following:

The "Deputy Manager" means the official who reports directly to the Manager and exercises supervisory responsibility in the City agency defined in Title 2 herein that is responsible for the Project. The Manager hereby designates the City Engineer as the Deputy Manager for purposes of this Contract. The City Engineer shall have responsibility for this Project and shall undertake all duties, responsibilities, rights and authority, including specific actions and decisions, delegated to the Deputy Manager under the various terms and conditions of this Contract.

# SC-8 SUBCONTRACTOR

General Condition 118, SUBCONTRACTOR, is hereby amended by adding a new final sentence to read as follows:

"Subcontractor" may also mean the Contractor pursuant to a subcontract for lump-sum self-performed work, as authorized in the Contract Form.

### SC-9 WORK

General Condition 121 WORK is hereby deleted in its entirety and replaced with the following:

The terms "Scope of Work" or "Work" as used herein shall mean all Preconstruction and Construction Phase services required by or inferable from the Contract Documents, whether completed or partially completed, and includes all other labor, management, administration, supervision, materials, supplies, manufactured components, equipment and services provided or to be provided by the Contractor to fulfill the Contractor's obligations under the Contract.

# SC-10 WORKING HOURS AND SCHEDULE

General Condition 306 WORKING HOURS AND SCHEDULE is hereby deleted in its entirety and replaced with the following:

- 1. Work shall normally not be done on Saturdays, Sundays, City observed holidays, or outside of the daytime working hours which may be specified in the Special Conditions, except for such work as may be necessary for proper care, maintenance, and protection of Work already done, or in cases when the Work would be endangered or when hazard to life or property would result The Contractor shall comply with Denver's noise control ordinance during all working hours.
- 2.. If the Contractor believes it may be necessary to work on Saturdays, Sundays, holidays, city furlough days, or at night, the Contractor shall make prior arrangements with the Project Manager and receive written approval at least twenty-four (24) hours before such work period so that proper inspection and engineering services can be provided. Such approval may be revoked by the Project Manager if the Contractor fails to maintain adequate equipment and lighting at night for the proper prosecution, control and inspection of the Work. If Work is done outside of approved working hours, and the Project Manager has not assigned inspectors to the Work, the Work performed during those periods of time may be declared defective solely on the grounds that it was not properly inspected.
- 3. The Contractor shall schedule and coordinate the performance of all of its Subcontractors and Suppliers, including their use of the Work site. The Contractor shall keep the Subcontractors and Suppliers informed of the Project construction schedule to enable the Subcontractors and Suppliers to plan and perform their work properly.
- 4. The Contractor shall submit, with the GMP Proposal, a construction schedule which shall provide for the expeditious and practicable execution of the Work. Such construction schedule shall be in a Critical Path Method (CPM) format or such other format approved by the Project Manager. This Schedule shall be considered, upon City acceptance, the baseline schedule for the Project. A Critical Path Method schedule shall be required in any event for any Contractor Change Request pursuant to G.C. 1103.4 and any resulting claim. The receipt of the schedule by the Project Manager shall in no way constitute acceptance of the Contractor's anticipated schedule of construction activities. The schedule will be reviewed for comment by the Project Manager. The Project Manager's review and comment on the schedule shall not constitute approval or acceptance thereof by the City.

- 5. The Critical Path Method schedule shall provide reasonable detail as described in the Technical Specifications and shall include a time scaled network and computer printout. Additionally, float or slack is defined as the amount of time between the early start date and the late start date, or the early finish date and the late finish date, of any activities in the schedule. Float or slack is not time for the exclusive use or benefit of either the Contractor or the City.
- 6. The Contractor shall, once a month, submit a progress report and an updated schedule in a form acceptable to the Project Manager.

# SC-11 SUBCONTRACTOR ACCEPTANCE

General Condition 502, SUBCONTRACTOR ACCEPTANCE, is hereby deleted in its entirety and replaced by the following:

- 1. Except as provided in the City's Small Business Enterprise (SBE), Disadvantaged Business Enterprise (DBE), or Minority and Women Business Enterprise (M/WBE) contracting requirements, the City recognizes that prior to bidding, the bidder may not have been able to negotiate for all portions of the Work which the bidder proposes to subcontract. The City will, therefore, permit the successful bidder to propose additional Subcontractor(s) at any time during the Contract period provided, however, that any limitation on subcontracting has not been exceeded, and that all such SBE, DBE, or M/WBE requirements are adhered to, including, if applicable, the Contractor's SBE or M/WBE Compliance Plan. If the proposed Subcontractor(s) are acceptable and the City, by letter to the Contractor, approves of the Subcontractor(s), the Contractor may enter into agreements with these parties. If any proposed Subcontractor(s) are not acceptable to the City, the Contractor must submit for City approval the names of substitute Subcontractors.
- 2. Each Subcontractor which the Contractor expects to perform Work must be accepted in writing by the Project Manager before the Subcontractor begins work. The acceptance or rejection of any proposed Subcontractor shall be at the Project Manager's sole discretion. The reasons the Project Manager may use for not accepting a Subcontractor include, but are not limited to, the following:
  - A. Default on a contract within the last five (5) years.
  - B. Default on a contract which required that a surety complete the contract under payment or performance bonds issued by the surety.
  - C. Debarment within the last five (5) years by a public entity or any organization which has formal debarment proceedings.
  - D. Significant or repeated violations of Federal Safety Regulations (OSHA).
  - E. Failure to have the specific qualifications listed in the Contract Documents for the work that the Subcontractor will perform.
  - F. Failure to have the required City or Colorado licenses to perform the work described in the subcontract.

- G. Failure to pay workers the proper wage and benefits or to pay suppliers or subcontractors with reasonable promptness within the last five (5) years.
- H. Conviction, plea of <u>nolo</u> <u>contendere</u>, entry into a formal agreement admitting guilt or entry of a plea of guilty or otherwise admitting culpability to criminal offenses of bribery, kickbacks, collusive bidding, bid-rigging, anti-trust, fraud, undue influence, theft, racketeering, extortion or any offense of a similar nature in connection with Subcontractor's business, on the part of Subcontractor's principal owners, officers, or employees, within the last five (5) years.
- I. Failure to pay taxes or fees to the City.
- J. Evidence that the Subcontractor was selected by the Contractor through the process of bid shopping, dishonesty or buyout.
- 3. The Contractor shall submit a statement signed by an officer or principal of the Contractor certifying that the Contractor has investigated the qualifications and background of each proposed Subcontractor and certifying under oath that, to the best of his or her knowledge, none of the bases for rejection listed above exist. In lieu of this certification, the Contractor may identify, for each proposed Subcontractor, any of the issues listed above applicable to that Subcontractor and attach to that statement a list of all judicial and administrative proceedings in the last five (5) years in which any proposed Subcontractor is or was a party, the proceedings involving any of the issues listed above or in which any proposed Subcontractor filed for bankruptcy.
- 4. This Title 5 does not create, and shall not be interpreted as creating, any contractual relationship or privity of contract between the City and any Subcontractor. The acceptance or rejection of a proposed Subcontractor shall not create in that Subcontractor a right to any subcontract nor shall said acceptance or rejection relieve the Contractor of its responsibilities for the work of any Subcontractor.

# SC-12 PAYMENT PROCEDURE

The application for payment shall be submitted through Textura® Corporations Construction Management Website. Contractor recognizes and agrees that it shall be required to use the Textura Construction Payment Management System for this Project. Contractor further agrees that, to the fullest extent possible within the CPM System, the City shall be entitled to all non-Confidential records, reports, data and other information related to the project that are available to Contractor through the CPM System, including, but not limited to, information related to Contractor and subcontractor billings. To that end, Contractor agrees that it will activate any available settings within the CPM System that are necessary to grant the City access to such non-Confidential information related to the contract and the project. Applications for payment shall be based on the Contract Unit Prices or the approved Schedule of Values described in GC 903.1

In accordance with General Contract Condition 902, PAYMENT PROCEDURE, the party(ies) responsible for review of all Pay Applications shall be:

Agency/Firm	<u>Name</u>	<u>Telephone</u>
Public Works/Engineering Division	Brandon Gainey	720-913-8815
	Brett Hahnenkamp	720-865-2668

In accordance with General Contract Condition 906, APPLICATIONS FOR PAYMENT, each Application submitted shall include the following:

- 1. The estimate of Work completed shall be based on the approved schedule of values or unit prices, as applicable, and the percent of the Work complete.
- 2. Each Application for Payment shall include each and every independent subcontractor's payroll information including pay dates and pay amounts.
- 3. The Contractor shall also submit to the Auditor and other appropriate officials of the City in a timely fashion, information required by General Contract Condition 1004, REPORTING WAGES PAID.

In accordance with General Contract condition 907, RELEASES AND CONTRACTORS CERTIFICATION OF PAYMENT, Applications for Payment must be accompanied by completed Partial or Final Claim Release Form, as appropriate, from EACH subcontractor and supplier, <u>AND/OR</u> the Contractors' Certification of Payment Form. The forms, Final/Partial Release and Certificate of Payment (Subcontractor/Supplier) and the Contractor's Certification of Payment, both of which must be used are attached.

#### SC-13 SCHEDULE OF VALUES FOR LUMP SUM SUBCONTRACTS

Special Condition 903, SCHEDULE OF VALUES FOR LUMP SUM CONTRACTS, is hereby deleted in its entirety and replaced by the following:

- 1. The Contractor shall furnish to the Project Manager, for review and approval, a Schedule of Values for lump sum subcontracts, in such detail as the Project Manager shall request, no later than thirty (30) Days prior to the issuance of the first pay application. The Schedule of Values shall show the amount included for each principal category of work and shall be in proper balance. No pay application shall be submitted until the submitted Schedule of Values is approved in writing by the Project Manager.
- 2. Should the City issue a Change Order that decreases or increases the Contract Amount, the Schedule of Values shall be modified to reflect the amount of such decrease or increase and resubmitted to the Project Manager at least fifteen (15) Days prior to the pay application reflecting such increase or decrease.

## SC-14 APPLICATIONS FOR PAYMENT

General Condition 906, APPLICATIONS FOR PAYMENT, is hereby deleted in its entirety and replaced by the following:

1. Each complete application shall contain a list of Subcontractor and material invoices. If requested by the City, the Contractor will furnish the City with invoices shown on the lists which accompany any application for payment.

- 2. Application for payment shall be based on approved Cost of the Work items incurred, completed and/or certified by the Contractor. The application shall specify the Cost of the Work so certified as having been incurred by the Contractor for Work performed during the preceding period. The Contractor's Fee shall be paid based on the actual Cost of Work items incurred. Each application for payment shall also be accompanied by a written schedule of values which sets out the Cost of the Work for the Project together with the Contractor's accounting of the percentage of completion of each line item of Cost of the Work of which the City is liable to pay the Contractor.
- 3. The Contractor shall certify in writing with each application for payment that to its knowledge the Project will be completed at a cost within the Guaranteed Maximum Price, as modified by change orders, and shall identify with reasonable particularity any circumstances which could result in the total cost to the Contractor (including Fee) in completing the Project exceeding the Guaranteed Maximum Price.

#### 4. Reserved

- 5. Each application for payment for materials or equipment stored on or off the Project site shall be accompanied by bills of sale to establish the City's title to such material or equipment free and clear of liens and encumbrances; evidence of property insurance covering such materials or equipment; evidence, as to material and equipment stored off the Project site, that the same have been properly labeled as the City's property and segregated from the vendor's other inventory; and, if required by the City, contracts and financing statements sufficient to create a security interest in favor of the City in materials or equipment stored off the Project site which remain in the possession of the vendor of such materials or equipment.
- 6. Each progress payment application shall show each Subcontractor or Supplier participating in the Work completed during the previous progress period and the dollar amount of such participation. The Contractor will assure that the Subcontractors and/or Suppliers are filing for and are being paid for only the value of materials and services delivered and performed upon or incurred for the Project and that the Subcontractors and/or Suppliers are not over-billing for the effort performed. The Contractor shall, prior to or with the submission of each application for payment, furnish to the City proper evidence accounting for the distribution to Subcontractors and/or Suppliers of funds received under prior applications together with proper releases and waiver, in form and content acceptable to the City, obtained in connection therewith.
- 7. If the Contractor disputes a Subcontractor's or Supplier's entitlement to a portion of the previous progress payment, the Contractor shall submit to the City copies of any written communication from the Contractor to such Subcontractor or Supplier explaining the Contractor's determination not to render payment to such Subcontractor or Supplier, together with proof of service of such written communication upon such Subcontractor or Supplier.
- 8. Each application for payment shall be signed. Such signed application for payment shall constitute a representation by the Contractor to the City that the

Work has progressed to the point indicated; that the quality of the Work covered by the estimate is in accordance with the Contract Documents; that each obligation covered by the payment application has been properly incurred, is a proper charge and has not been the basis of any previous application (except as otherwise noted); that the money received as a result of the application will be used to discharge the Contractor's obligations under the Contract; and that the Contractor is entitled to payment in the amount requested. The Project Manager or the Design Consultant, as appropriate, must also verify and certify the estimate of Work completed prior to any acceptance by the City.

- 9. By submitting an application for payment, the Contractor warrants that: (i) the title to the Work covered by an application for payment will pass to the City upon receipt of payment by the Contractor; (ii) the Work covered by previous payment applications is free and clear of liens, claims, security interests or encumbrances, hereinafter referred to as "liens", except for any interest created by retainage; and (iii) no Work covered by an application for payment is subject to an agreement under which an interest therein or an encumbrance thereon is retained by the seller or otherwise imposed by the Contractor or any other person or entity.
- 10. The Contractor shall not include in its application for payment any billing for defective Work or for work performed by Subcontractors or Suppliers if it does not intend to pay the Subcontractors or Suppliers for such work.
- 11. Approval of an application for payment of Work completed or actual payment by the City shall not foreclose the right of the City to examine the books and records of the Contractor to determine the correctness and accuracy of any item.
- 12. Should the City decline or fail to approve for payment any items of the Contractor's Fee, the Cost of the Work, or any other item shown on an application for payment, the City shall notify the Contractor in writing, setting forth the reasons for such action. The City shall pay that portion of each payment application which is not disapproved in writing by the City.
- 13. No progress payment or partial or entire use or occupancy of the Project by the City shall constitute an acceptance of Work not in accordance with the Contract Documents.

#### SC-15 DISCOUNTS, REBATES AND REFUNDS

Cash discounts obtained on payments made by the Contractor shall accrue to the City if (1) before making the payment, the Contractor included them in an Application for Payment and received payment therefore from the City, or (2) the City has deposited funds with the Contractor with which to make payments; otherwise, cash discounts shall accrue to the Contractor. Trade discounts, rebates, refunds and amounts received from sales of surplus materials and equipment shall accrue to the City, and the Contractor shall make provisions so that they can be secured. Amounts which accrue to the City herein shall be credited to the City as a deduction from the Cost of the Work.

#### SC-16 ADJUSTMENT OF CONTRACT AMOUNT

General Condition 1104, ADJUSTMENT TO CONTRACT AMOUNT, is hereby deleted in its entirety and replaced by the following:

- 1. <u>Contract Amount Adjustments</u>. All adjustments to the Contract Amount shall be determined by using one or more of the following methods:
  - A. <u>A negotiated lump sum.</u> If requested by the City, the Contractor shall promptly provide itemized and sufficient substantiating data, including calculations, measurements, cost records, production rates, equipment types and capacity, labor costs by craft and other information which the City may reasonably require the Contractor to produce in order to permit the City to evaluate any lump sum Contractor Change Request. In pricing such proposals, the Contractor shall include estimates of the type of costs described in G.C. 1104.2.
  - B. <u>Unit prices</u> (as stated in the Contract Documents or subsequently agreed upon) multiplied by final verified quantities of work performed;
  - C. <u>Costs as determined in a manner previously agreed</u> upon by the parties, which include markups, that do not exceed those set forth in G.C. 1104.2 below; or
  - D. <u>Time and Material costs</u> as determined in the manner described in G.C. 1104.2, Calculation of the Contract Adjustment. These amounts may be reduced where necessary to take into account the cost of Base Contract Work, Work included in approved Change Orders, Work described in other Field Order/Change Directives, idle time for workers and/or equipment when Work could have been performed in other locations or when the number of workers or amount of equipment provided exceeded the number or amount required to perform the Work, unsatisfactory Work, or Work which may be or was performed concurrently with the changed Work and which cannot be easily segregated from the changed Work.
- 2. <u>Calculation of the Contract Adjustment</u>. In no event shall the charge or credit to the City associated with any change exceed the sum of the following:
  - A. <u>Direct Labor</u> The actual net, direct increase or decrease in the cost of the Contractor's labor. Such cost shall include only the cost associated with the workers who actually perform the changed Work. The cost of supervision, management and field or office overhead shall not be included or calculated as a direct labor cost. For shop work, the direct labor cost shall include only those workers who work directly on the item being manufactured or the actual operators of the equipment being used to handle the items being manufactured.
  - B. <u>Labor Burden</u>. Contractor's actual costs for worker's compensation and liability insurance, payroll taxes, social security and employees' fringe benefits (including employer paid health insurance) imposed on the basis

of payrolls. This burden must reflect the variability of some burdens, ie social security. The burden shall be itemized and include all small tools and miscellaneous supplies. The total labor burden for such small tools shall not exceed two percent (2%) of the Direct Labor cost.

- C. <u>Direct Material, Supplies, Installed Equipment</u>. The actual net, direct cost of materials, supplies and equipment incorporated into or consumed by the Work. If actual costs are not available, this cost shall be the lowest commercially available price including all discounts and rebates and all applicable taxes Such cost shall be based on buying the material, supplies and equipment in the largest practical quantity to receive quantity discounts.
- D. <u>Equipment Costs</u>. Without markup or operator, the lesser of (i) the actual net cost to the Contractor of owned or rented equipment, other than small tools; or (ii) the rental rate for such equipment as determined by using the following method(s):
  - (1) Equipment rental rates listed in the appropriate rental rate book currently in use by the Colorado Department of Transportation. If an item of equipment does not appear in the rental rate book currently in use by the Colorado Department of Transportation, the rental rates published by the Associated Equipment Dealers may be used as a basis for negotiating a rental rate for a particular piece of equipment. The Contractor shall provide all information necessary to determine the appropriate rental rate at the time the equipment is brought on the job. This shall include, but not be limited to, type, description, make, year, model, series, serial number, fuel type, transmission, wheel combination, GVW, capacity and equipment owner.
  - (2) Rental equipment costs shall be determined using actual invoiced rates, less all discounts for basic equipment rental.
  - (3) Mobilization/demobilization costs will be paid if the equipment is mobilized exclusively for Work described in a Change Order. If the equipment is also used on Base Contract Work, no mobilization or demobilization cost will be paid. Mobilization/demobilization costs will be based on using the least expensive means to mobilize or demobilize Equipment shall be obtained from the nearest available source. When the least expensive methods are used, the costs shown in the actual invoice will be the basis for pricing.

#### E. Mark Up For Overhead And Profit.

(1) The Contractor's Fee on the calculated change of Cost of Work shall be the only amount added to such calculated cost of Work to as markup and profit to the Contractor, including any fee on applicable Work self-performed by the Contractor.

- (2) A Subcontractor of any tier who actually performs the Work shall be entitled to a markup of twelve percent (12 %) on the actual costs for items A through D in GC 1104.2 above. Bonds and insurance are compensated at direct cost without markup.
- (3) A supervising Subcontractor (if any) shall be entitled to a three percent (3%) markup on the actual price charged to the Subcontractor by a Subcontractor of lower tier.
- (4) All of the Contractor's and Subcontractor's field and office overhead and supervision costs are included in the Fee and markups listed above.
- (5) Neither the Contractor nor Subcontractor of any tier, nor the City in the case of a credit, will apply or attempt to apply these percentage adjustments in a way which would pyramid either the cost or credit because of the involvement of a Subcontractor or sub-subcontractor. Written justification and approval shall be required for any percentages exceeding a total of fifteen percent (15%).
- F. <u>Bonds, Insurance, Permits And Taxes</u>. The actual increases or decreases in the cost of premiums for bonds and insurance, permit fees, and sales, use or similar taxes related to the Work. The Contractor shall not be entitled to a Fee for any such costs.
- 3. <u>Totals as Equitable Adjustment</u>. The Contractor agrees that the total of the above items constitute an equitable adjustment for any and all costs or damages resulting from a change.
- 4. <u>No Equitable Adjustment for Obstruction by Contractor.</u> No equitable adjustment shall be made as a result of costs resulting from any act, hindrance, obstacle, obstruction, interference or omission of the Contractor, its Subcontractors, Suppliers, or surety, or any other entity or individual acting on behalf of the Contractor.
- 5. <u>Calculation of Certain Equitable Adjustments.</u>
  - A. In case of delay in completion of the entire Contract due to drawings, designs or specifications which are defective and for which the City is responsible, the equitable adjustment for delays or costs incurred prior to notification to the City of such defect shall only include the extra cost and time reasonably incurred by the Contractor in attempting to comply with the defective drawings, designs or specifications before the Contractor identified, or reasonably should have identified, such defect.
  - B. An equitable adjustment shall not include increased costs for delay resulting from the Contractor's failure to continue performance during determination of any Contractor Change Request or claim.

- 6. Price Reductions for Defective Cost or Pricing Data. If it is later determined that pricing adjustments to the Contract were not correct due to incomplete or inaccurate pricing data by the Contractor or any Subcontractor or Supplier or that lower prices were reasonably available, the price shall be reduced accordingly and the Contract Amount modified by an appropriate Change Order.
- 7. <u>Variation in Quantity of Unit Priced Items.</u> Where the quantity of a unit-priced item in the Contract is an estimated quantity and the actual quantity of the unit-priced item varies more than twenty-five percent (25%) above or below the estimated quantity, and where this difference changes the total original Contract value by more than five percent (5%), an equitable adjustment in the Contract Amount may be made by Change Order. The equitable adjustment shall be based upon any increase or decrease in cost due solely to the variation above one hundred twenty-five percent (125%) or below seventy-five percent (75%) of the estimated quantity. If the quantity variation is such as to cause an increase in the time necessary for completing the Work, the Contractor may request, in writing, an extension of time in accordance with GC 1105.
- 8. Disposition of Excess or Obsolete Property. When the cost of materials, supplies, equipment or other personal property made obsolete or excess as a result of a delay is included in the equitable adjustment, the Project Manager shall have the right to prescribe the manner of disposition of such property.

#### SC-17 SURETY BONDS

General Condition 1501, SURETY BONDS, is hereby deleted in its entirety and replaced by the following:

- 1. Payment and performance bonds must be issued by a corporate surety authorized to do business in the State of Colorado and approved by the Mayor, the Manager and the City Attorney.
- 2. Before the Contract is executed, the Contractor shall have furnished such surety bonds and appropriate Powers of Attorney as a guarantee of the faithful performance of the Contract and the payment of bills for labor and materials.
- 3. The Manager may direct, at his sole discretion, that the required payment and performance bonds be combined in a format approved by the City Attorney.
- 4. The Contractor shall provide a Consent of Surety for any duly executed Change Order that increases the Contract Amount, thereby increasing the penal sum of the bonds.
- 5. The form of the Performance and Payment Bond to be used by the Contractor is included in the Contract Documents.

#### SC-18 CONSTRUCTION INSPECTION BY THE CITY

General Condition 1701, CONSTRUCTION INSPECTION BY THE CITY, is modified as follows:

- 1. Persons who are employees of the City or who are under contract to the City or the City as lessee will be assigned to inspect and test the Work. These persons may perform any tests and observe the Work to determine whether or not designs, materials used, manufacturing and construction processes and methods applied, and equipment installed satisfy the requirements of the drawings and specifications, accepted Shop Drawings, Product Data and Samples, and the General Contractor's warranties and guarantees. The General Contractor shall permit these inspectors unlimited access to the Work and provide means of safe access to the Work, which cost shall be included as a Cost of the Work without any increase to the Guaranteed Maximum Price. In addition, General Contractor shall provide whatever access and means of access are needed to off-site facilities used to store or manufacture materials and equipment to be incorporated into the Work and shall respond to any other reasonable request to further the inspector's ability to observe or complete any tests. Such inspections shall not relieve the General Contractor of any of its quality control responsibilities or any other obligations under the Contract. All inspections and all tests conducted by the City are for the convenience and benefit of the City. These inspections and tests do not constitute acceptance of the materials or Work tested or inspected, and the City may reject or accept any Work or materials at any time prior to the inspections pursuant to G.C. 2002, whether or not previous inspections or tests were conducted by the inspector or a City representative.
- 2. The Building Inspection Division will perform building code compliance inspections for structures designed for human occupancy. It is the General Contractor's responsibility to schedule and obtain these inspections. If a code compliance inspection results in identification of a condition which will be at variance to the Contract Documents, the General Contractor shall immediately notify the Project Manager and confirm such notification with formal correspondence no later than forty-eight (48) hours after the occurrence.
- 3. When any unit of government or political subdivision, utility or railroad corporation is to pay a portion of the cost of the Work, its respective representatives shall have the right to inspect the Work. This inspection shall not make any unit of government or political subdivision, utility or railroad corporation a party to the Contract, and shall not interfere with the rights of either party.

#### SC-19 AUTHORITY OF INSPECTORS

General Condition 1702, AUTHORITY OF INSPECTORS, is hereby deleted in its entirety and replaced by the following:

Inspectors assigned to the Work by the Project Manager are authorized to reject any Work, any materials, or any component of the Work which is not as required or specified in the Contract Documents. Such rejection will be confirmed by the Project Manager in writing to the Contractor. Inspections may extend to all or any part of the Work and to the preparation, fabrication or manufacture of the materials to be used. The inspector is not authorized to alter or waive the provisions of the Contract Documents, nor is the inspector authorized to issue

instructions contrary to the provisions of the Contract Documents or to act as foreman for the Contractor.

#### SC-20 TERMINATION OF CONTRACT FOR CONVENIENCE OF THE CITY

General Condition 2202, TERMINATION OF CONTRACT FOR CONVENIENCE OF THE CITY, is hereby deleted in its entirety and replaced by the following:

- 1. The performance of Work under the Contract may be terminated without cause by the City in whole or in part whenever the Manager, in his sole discretion, shall determine that such termination is in the best interest and convenience of the City or whenever the City is prohibited from completing the Work for any reason. Such termination shall be effected by giving not less than three (3) Days' written notice to the Contractor specifying the extent to which performance of the Work is terminated and the date upon which such termination becomes effective.
- 2. Upon receipt of such notice of termination, the Contractor shall:
  - A. Stop work as specified in the notice;
  - B. Terminate all orders and subcontracts except as necessary to complete Work which is not terminated;
  - C. If directed in writing by the Manager to do so, assign all right, title, and interest in subcontracts and materials in progress, in which case the City will have the right, in its discretion, to settle or pay any or all Claims arising out of the termination of such subcontracts;
  - D. Settle outstanding liabilities and claims with the approval of the Manager;
  - E. Complete performance of such part of the Work as has not been terminated; and
  - F. Take such other actions as may be necessary, or as may be directed by the City, for the protection and preservation of the property related to the Contract.
- 3. Except as provided herein, any inventory resulting from the termination of the Contract may, with written approval of the Manager, be sold or acquired by the Contractor under the conditions prescribed by and at prices approved by the City.
- 4. Upon receipt of notice of such termination, the Contractor shall submit to the Project Manager a request for final payment, in a form and with certification prescribed by the City. Such request shall be submitted promptly but in no event later than sixty (60) Days from the effective date of termination, unless extended in writing by the Project Manager upon the written request of the Contractor within such sixty (60) Day period.
- 5. The final payment to the Contractor after a termination for convenience shall be calculated by adding the following amounts:

- (1) Any actual costs incurred by the Contractor since the last approved pay request that are reimbursable as a Cost of the Work plus the proportionate Fee on such costs:
- (2) The actual costs incurred by the Contractor for terminating the Work and for protecting the Work in the manner, if any, directed by the City, plus the proportionate Fee on such costs; and
- (3) The amount of retainage withheld by the City to date.
- 6. The acceptance of final payment as calculated above shall constitute a waiver of all Claims by the Contractor except those previously made in accordance with G.C. 1301 which have been separately identified by the Contractor as unsettled in the final Project Application for Payment.
- 7. The Manager may, from time to time, under such terms and conditions as the Manager may prescribe, authorize partial payments and payments against costs incurred by the Contractor for the terminated portion of the Contract, if it is estimated that the total of such payments will not exceed the amount to which the Contractor will be entitled. If the total of such payments is in excess of the amount to which the Contractor is entitled, the excess shall be payable by the Contractor to the City upon demand, together with interest computed pursuant to statute, for the period from the date the excess payment is received by the Contractor to the date the excess is repaid to the City.
- 8. The settlement for the Work performed shall not relieve the Contractor or its surety from responsibility for defective Work and/or materials on the completed portion of the Work nor for labor and materials or any other items as guaranteed by the surety bond or bonds.
- 9. The City shall be given full access to all books, correspondence, records, electronic files and data bases, and other materials of the Contractor relating to the Contract in order to determine the amounts to be paid on account of the termination of the Contract under this G.C. 2202. The Contractor shall, as requested by the City, furnish clear copies of any such materials.
- 10. In the event the parties fail to agree in whole or in part on the amount or amounts to be paid to the Contractor in connection with the termination of work pursuant to this G.C. 2202, the Contractor may appeal the Project Manager's determination as to the amount owed in accordance with Title 13, except that, if the Contractor has failed to submit its request for payment within the time provided above and has failed to request an extension of such time, it shall have no such right of appeal.

#### SC-21 SUBCONTRACTS

In accordance with General Contract Condition 501, SUBCONTRACTS, no limit shall apply to that percentage of the Work, which may be sublet providing that the subcontractors receive prior approval in accordance with General Contract Condition 502, SUBCONTRACTOR ACCEPTANCE.

#### SC-22 RESERVED

#### SC-23 DISPOSAL OF NON-HAZARDOUS WASTE AT DADS

In accordance with the Landfill Agreement made between the City and Waste Management of Colorado, Inc., bidders will be required to haul dedicated loads (non-hazardous entire loads of waste) to the Denver-Arapahoe Disposal Site ("DADS") for disposal. DADS is located at Highway 30 and Hampden Avenue in Arapahoe County, Colorado. The City will pay all fees associated with such disposal but the bidder shall be responsible for the costs of transporting the loads. Non-hazardous waste is defined as those substances and materials not defined or classified as hazardous by the Colorado Hazardous Waste Commission pursuant to C.R.S. §25-15-207, as amended from time to time, and includes construction debris, soil and asbestos. Bidders shall not use Gun Club Road between I-70 and Mississippi Avenue as a means of access to DADS.

#### SC-24 PROHIBITION ON USE OF CCA-TREATED WOOD PRODUCTS

The use of any wood products pressure-treated with chromated copper arsenate (CCA) is prohibited. Examples of CCA-treated wood products include wood used in play structures, decks, picnic tables, landscaping timbers, fencing, patios, walkways and boardwalks.

# SC-25 WAIVER OF: PART 8 OF ARTICLE 20 OF TITLE 13, COLORADO REVISED STATUTES.

The Contractor specifically waives all the provisions of Part 8 of Article 20 of Title 13, Colorado Revised Statutes regarding defects in the Work under this Construction Contract.

#### SC-26 DEBARRED SUBCONTRACTORS PROHIBITED

The Contractor is prohibited from hiring any subcontractor currently debarred by the City in accordance with section 20-77 of the Denver Revised Municipal Code.

#### SC-27 ATTORNEY'S FEES

Colorado Revised Statute 38-26-107 requires that in the event any person or company files a verified statement of amounts due and unpaid in connection with a claim for labor and materials supplied on this project, the City shall withhold from payments to the Contractor sufficient funds to insure the payment of any such claims. Should the City and County of Denver be made a party to any lawsuit to enforce such unpaid claims or any lawsuit arising out of or relating to such withheld funds, the Contractor agrees to pay to the City its costs and a reasonable attorney's fee which cost shall be included as a Cost of the Work.

Because the City Attorney Staff does not bill the City for legal services on an hourly basis, the Contractor agrees a reasonable fee shall be computed at the rate of one hundred dollars per hour of City Attorney time.

#### SC-28 INSURANCE

General Condition 1601 is hereby deleted in its entirety and replaced with the following:

- 1. **General Conditions:** Contractor agrees to secure, at or before the time of execution of this Agreement, the following insurance covering all operations, goods or services provided pursuant to this Agreement. Contractor shall keep the required insurance coverage in force at all times during the term of the Agreement, or any extension thereof, during any warranty period, and for eight (8) years after termination of the Agreement. The required insurance shall be underwritten by an insurer licensed or authorized to do business in Colorado and rated by A.M. Best Company as "A-"VIII or better. Each policy shall contain a valid provision or endorsement requiring notification to the City in the event any of the required policies be canceled or nonrenewed before the expiration date thereof. Such written notice shall be sent to the parties identified in the Notices section of this Agreement. Such notice shall reference the City contract number listed on the signature page of this Agreement. Said notice shall be sent thirty (30) days prior to such cancellation or non-renewal unless due to non-payment of premiums for which notice shall be sent ten (10) days prior. If such written notice is unavailable from the insurer, contractor shall provide written notice of cancellation, non-renewal and any reduction in coverage to the parties identified in the Notices section by certified mail, return receipt requested within three (3) business days of such notice by its insurer(s) and referencing the City's contract number. If any policy is in excess of a deductible or self-insured retention, the City must be notified by the Contractor. Contractor shall be responsible for the payment of any deductible or self-insured retention. The insurance coverages specified in this Agreement are the minimum requirements, and these requirements do not lessen or limit the liability of the Contractor. The Contractor shall maintain, at its own expense, any additional kinds or amounts of insurance that it may deem necessary to cover its obligations and liabilities under this Agreement.
- 2. Proof of Insurance: Contractor shall provide a copy of this Agreement to its insurance agent or broker. Contractor may not commence services or work relating to the Agreement prior to placement of coverages required under this Agreement. Contractor certifies that the certificate of insurance attached as Exhibit N, preferably an ACORD certificate, complies with all insurance requirements of this Agreement. The City requests that the City's contract number be referenced on the Certificate. The City's acceptance of a certificate of insurance or other proof of insurance that does not comply with all insurance requirements set forth in this Agreement shall not act as a waiver of Contractor's breach of this Agreement or of any of the City's rights or remedies under this Agreement. The City's Risk Management Office may require additional proof of insurance, including but not limited to policies and endorsements.
- 3. <u>Additional Insureds:</u> For Commercial General Liability, Auto Liability and Contractors Pollution Liability, Contractor and subcontractor's insurer(s) shall name the City and County of Denver, its elected and appointed officials, employees and volunteers as additional insured.
- **4.** <u>Waiver of Subrogation:</u> For all coverages required under this Agreement, Contractor's insurer shall waive subrogation rights against the City.
- 5. <u>Subcontractors and Subconsultants:</u> All subconsultants, subcontractors, independent contractors, suppliers or other entities providing goods or services required by this Agreement shall be subject to all of the requirements herein. Contractor shall require all of its subcontractors and subconsultants of any tier to provide insurance coverage in types and amounts required by the Contractor, but in amounts of at least \$1,000,000 Commercial General Liability, Business Auto Liability insurance of \$1,000,000 combined single limit, statutory Workers' Compensation coverage, and \$1,000,000 professional liability for any subcontractor performing design or engineering

work. Contractor agrees to provide proof of insurance for all such subcontractors, subconsultants, independent contractors, suppliers or other entities upon request by the City.

- Contractor shall maintain the coverage as required by statute for each work location and shall maintain Employer's Liability insurance with limits of \$100,000 per occurrence for each bodily injury claim, \$100,000 per occurrence for each bodily injury caused by disease claim, and \$500,000 aggregate for all bodily injuries caused by disease claims. Contractor expressly represents to the City, as a material representation upon which the City is relying in entering into this Agreement, that none of the Contractor's officers or employees who may be eligible under any statute or law to reject Workers' Compensation Insurance shall effect such rejection during any part of the term of this Agreement, and that any such rejections previously effected, have been revoked as of the date Contractor executes this Agreement.
- **7.** Commercial General Liability: Contractor shall maintain a Commercial General Liability insurance policy with limits of \$1,000,000 for each occurrence, \$1,000,000 for each personal and advertising injury claim, \$2,000,000 products and completed operations aggregate, and \$2,000,000 policy aggregate.
- **8.** <u>Business Automobile Liability:</u> Contractor shall maintain Business Automobile Liability, or its equivalent, with minimum limits of \$1,000,000 combined single limit applicable to all owned, hired and non-owned vehicles used in performing services under this Agreement. If transporting wastes, hazardous material, or regulated substances, Contractor shall carry a pollution coverage endorsement and an MCS 90 endorsement on their policy. Transportation coverage under the Contractors Pollution Liability policy shall be an acceptable replacement for a pollution endorsement to the Business Automobile Liability policy.
- **9.** Excess/Umbrella Liability: Contractor shall maintain excess liability limits of \$3,000,000. Coverage must be written on a "follow form" basis. Any combination of primary and excess coverage may be used to achieve required limits.
- 10. <u>Builders Risk or Installation Floater</u>: Contractor shall maintain limits equal to the completed value of the project. Coverage shall be written on an all risk, replacement cost basis including coverage for soft costs, flood and earth movement, if in a flood or quake zone, and, if applicable, equipment breakdown including testing. The City and County of Denver, Contractor, and subcontractors shall be Additional Named Insureds under the policy. Policy shall remain in force until acceptance of the project by the City.
- 11. Contractors Pollution Liability: Contractor shall maintain limits of \$1,000,000 per occurrence and \$2,000,000 policy aggregate. Policy to include bodily injury; property damage including loss of use of damaged property; defense costs including costs and expenses incurred in the investigation, defense or settlement of claims; and clean up costs. Policy shall include a severability of interest or separation of

insured provision (no insured vs. insured exclusion) and a provision that coverage is primary and non-contributory with any other coverage or self-insurance maintained by the City.

#### 12. Additional Provisions:

- (a) For Commercial General Liability, Excess Liability and Contractors Pollution Liability the policies must provide the following:
  - (i) That this Agreement is an Insured Contract under the policy;
  - (ii) Defense costs are outside the limits of liability;
  - (iii) A severability of interests or separation of insureds provision (no insured vs. insured exclusion); and
  - (iv) A provision that coverage is primary and non-contributory with other coverage or self-insurance maintained by the City.
  - (b) For claims-made coverage:
  - (i) The retroactive date must be on or before the contract date or the first date when any goods or services were provided to the City, whichever is earlier.
- (c) Contractor shall advise the City in the event any general aggregate or other aggregate limits are reduced below the required per occurrence limits. At their own expense, and where such general aggregate or other aggregate limits have been reduced below the required per occurrence limit, the Contractor will procure such per occurrence limits and furnish a new certificate of insurance showing such coverage is in force.

# SC-29 TRADEMARKS, COPYRIGHTS AND PATENTED DEVICES, MATERIALS, AND PROCESSES

The Contractor and the surety shall, at all times, defend, save harmless, and indemnify the City, its Officers, agents, and employees from and against all fees, royalties, demands, claims, or suits by reason of any infringement or alleged infringement of such patent rights, copyrights, trademark rights, intellectual property rights or artist's rights for software and copyrighted materials utilized for the Work; provided, however, the Contractor need not indemnify against the negligence of the City, its officers or employees. Contractor also shall not be responsible for such defense or loss when a particular design, process or product of a particular manufacturer or manufacturers is required by the Contract Documents, or where the copyright violations are contained in Drawings, Specifications or other documents prepared by the Owner or Architect. This obligation shall survive the termination of the Contract.

# **EXHIBIT C**



797 Ventura Street, Aurora, CO 80011

Project: Central Denver Recreation Center Owner: City and County of Denver Architect: Barker Rinker Seacat Architecture

Estimator: Cole Mayer
Project SF: 61,027

Duration in Months: 19.00

06/29/15

50% DD

Date:

Estimate #:

BP1GMP REC

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		BP#1 GMP - 50%	DD#2 F00/ DD			
		DD Estimate	Estimate	Subtotal		
		DD Estillate	Limate	Cubiciai		
Division #0	Procurement and Contracting Requirements	\$276,563	\$599,802	876,365	\$14.36 /SF	3.8% of Direct Costs
Division #1	General Requirements	\$161,263	\$471,145	632,408	\$10.36 /SF	2.7% of Direct Costs
Division #2	Existing Conditions	\$61,853	\$0	61,853	\$1.01 /SF	0.3% of Direct Costs
Division #3	Concrete	\$647,936	\$592,657	1,240,593	\$20.33 /SF	5.4% of Direct Costs
Division #4	Masonry	\$0	\$1,205,355	1,205,355	\$19.75 /SF	5.2% of Direct Costs
Division #5	Metals	\$90,000	\$2,209,010	2,299,010	\$37.67 /SF	10.0% of Direct Costs
Division #6	Wood, Plastics, and Composites	\$0	\$273,512	273.512	\$4.48 /SF	1.2% of Direct Costs
Division #7	Thermal and Moisture Protection	\$0	\$825,470	825,470	\$13.53 /SF	3.6% of Direct Costs
Division #8	Openings	\$0	\$1,384,997	1,384,997	\$22.69 /SF	6.0% of Direct Costs
Division #9	Finishes	\$0	\$1,573,764	1,573,764	\$25.79 /SF	6.8% of Direct Costs
Division #10	Specialties	\$0	\$227,115	227,115	\$3.72 /SF	1.0% of Direct Costs
Division #11	Equipment	\$0	\$92,595	92.595	\$1.52 /SF	0.4% of Direct Costs
Division #12	Furnishings	\$0	\$147,480	147,480	\$2.42 /SF	0.6% of Direct Costs
Division #13	Special Construction	\$2,963,771	\$0	2,963,771	\$48.56 /SF	12.8% of Direct Costs
Division #14	Conveying Equipment	\$0	\$148,012	148.012	\$2.43 /SF	0.6% of Direct Costs
Division #21	Fire Suppression	\$0	\$297,219	297,219	\$4.87 /SF	1.3% of Direct Costs
Division #22	Plumbing	\$0	\$1,396,692	1.396.692	\$22.89 /SF	6.0% of Direct Costs
Division #23	Heating, Ventilating and Air Conditioning	\$409,081	\$1,575,089	1,984,169	\$32.51 /SF	8.6% of Direct Costs
Division #25	Integrated Automation	\$0	\$0	0	\$0.00 /SF	0.0% of Direct Costs
Division #26	Electrical	\$0	\$1,630,794	1,630,794	\$26.72 /SF	7.1% of Direct Costs
Division #27	Communications	\$0	\$147.654	147.654	\$2.42 /SF	0.6% of Direct Costs
Division #28	Electonic Safety and Security	\$0	\$177,394	177,394	\$2.91 /SF	0.8% of Direct Costs
Division #31	Earthwork	\$1.878.371	\$0	1,878,371	\$30.78 /SF	8.1% of Direct Costs
Division #32	Exterior Improvements	\$0	\$838,020	838,020	\$13.73 /SF	3.6% of Direct Costs
Division #33	Utilities	\$792,779	\$0	792,779	\$12.99 /SF	3.4% of Direct Costs
	<u>'</u>	·				
	Subtotal	\$7,281,617	\$15,813,775	\$23,095,392	\$378.45 /SF	100.0% of Project
	Utility Tap & Devel. Fees	By Owner	By Owner	By Owner		
	Building Permit & Plan Review Fees	By Owner	By Owner	By Owner		
	Use Tax	N/A	N/A	N/A		
	Bidding Contingency	\$364,081	\$790,689	1,154,770	\$18.92 /SF	5% of Subtotal
	Construction Contingency	\$160,560	\$348,694	509,253	\$8.34 /SF	2% of Subtotal
	Builders Risk Insurance	\$19,828	\$43,061	62,889	\$1.03 /SF	0.25% of Project
	Comprehensive General Liability Insurance	\$81,391	\$176,761	258,152	\$4.23 /SF	1% of Costs
	Perform., Labor & Material Bond	\$44,282	\$96,169	140,451	\$2.30 /SF	0.56% of Project
	Escalation Allowance	\$119,276	\$259,037	378,314	\$6.20 /SF	1.50% of Project
	General Contractors Fee	\$218,061	\$360,029	578,090	\$9.47 /SF	
	Preconstruction Services	w/ Precon Ag.	w/ Precon Ag.	0	\$0.00 /SF	0.25% of Project
	<u> </u>	<u> </u>	, and the second			
	Estimated Cost of Construction					
	50% DD	\$8,289,096	\$17,888,215	\$26,177,310	\$428.95 /SF	100.0% of Project
						•

2015-06-29 GMP DD Estimate.xlsb 6/29/2015



					Bid Package #1 - GMP		
	Item #	Description	Quantity	Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
Division 0 -	General Con	ditions					
00 72 00	AIA Genera	Il Conditions					
	1	BP#1 - General conditions of the contract	1.00	ls	\$276,563.00	per GC & Fee Matrix	\$276,563
	3	Public services and development fees				Not Included - See Summary	\$0
00 72 00 Tota	al					\$276,563	
District O. O.		T-4-1				<b>\$070.500</b>	
Division 0 - Ge	eneral Conditions	Total				\$276,563	
Division 01	- General Red	quirements					
01 14 00	Work Restr						
	1	BP#1 - GMP					
	2	Traffic & Pedestrian Control Signage for ROW closures	509.00	days	\$25.00		\$12,725
		Reconfigure, setup/takedown Warning Signage	407.20	hrs	\$42.63		\$17,358
	4				·	Not Included	\$0
	5	Site access requirements - offsite staging				Not Included	\$0
	6	ROW Closure Permit Fees - sidewalks and traffic lane				Not Req'd per Brett H. email & discussion 11/5	\$0
01 14 00 Tota	al					\$30,083	
01 33 00	Submittals						
01 33 00	Submittais 1	Delivery costs / messenger services				GC's	\$0
	•	Reproduction costs	20.00	ea	\$200.00		\$4,000
01 33 00 Tota		Trapholastic Costs	20.00	- Gu	Ψ200.00	\$4,000	<b>\$1,000</b>
01 45 00	Quality Cor					P. 0	
		Independent testing				By Owner	\$0
		Soil compaction tests Concrete tests				By Owner By Owner	\$0
	3					By Owner	\$0
01 45 00 Tota	•	Steel weld test / Inspections				SO S	\$0
01 51 00	Temporary						
		Recycling Signage on All Dumpsters for LEED Recycling					
ļ		Program	1.00	ls	\$400.00		\$400
ļ		Traffic & Pedestrian Control Plan Development	1.00	sub	\$380.00		\$380
	4	Jersey Barriers Along Street Work - Rental	376.00	If	\$75.00		\$28,200
			1.00	ls	\$4,190.00		\$4,190
		Right Lane Closure at Josephine Street Weather Protection	30.00	days	\$400.00	Mayord from Connect Conditions	\$12,000
<u> </u>	7	Snow removal	1.00	allow	\$65,000.00	Moved from General Conditions  Moved from General Conditions	\$65,000
	8	Show removal	1.00	allow	\$7,000.00	Moved from General Conditions	\$7,000



					Bid Package #1 - GMP		
	Item #	Description	Quantity	Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
01 51 00		Dumpsters	22.00	ea	\$455.00	Avg unit cost used (overweight dumpsters are more)	\$10,010
	19					By Trade / Division	\$0
	20					N/A	\$0
	21	Temp. enclosures for dust protection & entry				By Demo Sub	\$0
	22					By Division	\$0
	23					Division 2	\$0 \$0 \$0
	24					Not Included	\$0
	25	Temporary heating, cooling and ventilating				By Trade	\$0
01 51 00 Total						\$1	27,180
01 54 00	Constructi	on Aids					
		Temporary elevators				N/A	\$0
	2	Temporary hoists				N/A	\$0
01 54 00 Total						\$0	
Division 01 - Ger	neral Requirem	ents Total				\$1	61,263
Division 2 - E	xisting Con	ditions					
02 41 00	Demolition						
	1	Building Demolition				Not Included	\$0
02 41 00 Total						\$0	
02 21 00	Surveys						
	1	BP#1 - Surveying					\$0
	2	Site Surveying	1.00	sub	\$57,076.00		\$57,076
	3	Horizontal & vertical control	1.00	ls		Included	\$0
	4	Building corners	1.00	ls		Included	\$0 \$0
		Verify overlot grading	1.00	ls		Included	\$0 \$0
	6	Overlot grading	1.00	ls		Included	\$0
	7	Utilities	1.00	ls		Included	\$0
		Sidewalks	1.00	ls		Included	\$0 \$0 \$0
	0	Curb & gutter	1.00	ls		Included	\$0
	9	- a. b. g					
		Misc. concrete pads	3.00	ea	\$500.00		\$1,500
	10 11	Misc. concrete pads Bluetop asphalt paving	3.00 1.00	ea Is	\$500.00	Included	\$0
	10 11 12	Misc. concrete pads Bluetop asphalt paving Drilled piers			\$500.00	Included Included	\$0 \$0
	10 11 12	Misc. concrete pads Bluetop asphalt paving Drilled piers Light pole bases	1.00	ls	\$500.00 \$47.00		\$0 \$0 \$564
	10 11 12	Misc. concrete pads Bluetop asphalt paving Drilled piers Light pole bases Tree grates/bike racks/benches, all other site amenities	1.00 1.00 12.00 15.00	ls Is			\$0 \$0 \$564 \$1,500
	10 11 12 13 14 15	Misc. concrete pads Bluetop asphalt paving Drilled piers Light pole bases Tree grates/bike racks/benches, all other site amenities	1.00 1.00 12.00	ls Is ea	\$47.00		\$0 \$0 \$564



					id Package #1 - GMP		
	Item #	Description	Quantity	Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
02 21 00	17	Interior wall layout				By Trade	\$0
	18		1.00	ls	\$1,212.80		\$1,213
	19	3 ,	1.00	ls		Included	\$0
	20	Certified improvement survey				N/A	\$0
02 21 00 Total						\$	61,853
5 0.5							204.050
Division 2 - Exist	ing Conditions	lotal					61,853
Division 03 -	Concrete						
03 11 00	Concrete F	orming					
03 11 00		FORMWORK				Included	\$0
		Assuming Grade Beams on Drilled Piers (Drilled Piers in Di	V			morado	ΨΟ
	2	31)	٧.			Included	\$0
	3	•				Below	\$0 \$0
	_	Formwork for foundations	1.00	sub	\$545,000.00	20.011	\$545,000
	5	Pier Caps - 3'-0"w sq x 3'-0"h	44.00	ea	ψο το,σσο.σσ	Included	\$0
	6	Elev Pit Slab - 36"th	100.00	sf		Included	\$0
	7	GB (int) - 12"th x 36"h	580.00	If		Included	\$0 \$0 \$0
	8	Elev Pit Walls - 12"th x 5'h	34.00	If		Included	\$0
	9	GB (ext) - 1-2"th x 7'-4"h (detail 3220)	172.00	If		Included	\$0 \$0
	10	GB (ext) - 1-2"th x 10'-4"h (detail 3220)	46.00	If		Included	\$0
	11	GB (ext) - 1-2"th x 12'-4"h (detail 3220)	206.00	If		Included	\$0 \$0 \$0
	12	GB (ext) - 1-2"th x 17'-4"h (detail 3220)	146.00	If		Included	\$0
	13	GB (ext) - 1-2"th x 3'-4"h (detail 3221)	206.00	lf		Included	\$0
	14	GB@Pool, 2'-0" x 2'-0"	285.00	lf		Included	\$0
	15	GB@Pool, 3'-0" x 3'-0"	379.00	lf		Included	\$0
	16	Pump Pit - labor and material	1.00	allow	\$45,000.00		\$45,000
	17	Surge Tank for Competition Pool - labor and material	1.00	allow	\$25,000.00		\$25,000
	18	Surge Tank for Leisure Pool - labor and material				N/A	\$0
	19	Runnout Tank for waterslide - labor and material				w/ Waterslide	\$0
	20	Waterslide Foundations				w/ Waterslide	\$0
	21	A&P's Concrete Foreman	2.00	mths	\$8,833.20		\$17,666
			43.88	tons		Included	\$0
	23	Reinforcing Steel - labor	43.88	tons		Included	\$0
	24	3, - 3	2.00	mths	\$2,500.00		\$5,000
	25	Void Form for GB - material	1.00	ls		Included	\$0
	26		1.00	ls		Included	\$0
	27	Concrete Material	680.45	су		Included	\$0
	28	Additives for concrete	680.45	су		Included	\$0



				Bi	d Package #1 - GMP		
	Item #	Description	Quantity	Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
03 11 00	29	Pumping	680.45	су		Included	\$0
	30	Short load/off hour deliveries	680.45	су		Included	\$0
	31	Concrete accessories	680.45	су		Included	\$0 \$0 \$0
	32	Concrete blankets	2054.00	If	\$5.00		\$10,270
03 11 00 Tota	al					\$647,936	
03 30 05	Concrete N	Naterials .					
		Sitework - Gray concrete				w/ Site Conc	\$0
	2					W/ Caissons	\$0
		Pier caps, footings, column pads, grade beams, columns -					**
	3	material				w/ Foundations	\$0
	4					w/ Slabs	\$0
	5	SOD - material				w/ Slabs	\$0 \$0 \$0
		Short load/off hour deliveries				w/ Conc	\$0 \$0 \$0
	7	Fibermesh				w/ Conc	\$0
	8	Additives for concrete flatwork				w/ Conc	\$0
	9	CONCRETE PUMP, fnd & slabs				w/ Conc	\$0
03 30 05 Tota	al					\$0	
Division 03 - C	oncrete Total					\$647,936	
Division 5 -	Steel						
05 12 00	Structural S	Steel					
	1	BP#1 GMP - Steel				Below	\$0
		Allowance to release steel fabricator for shop drawings &					
	2	detailing	1.00	allow	\$90,000.00		\$90,000
05 12 00 Tota	al					\$90,000	
05 90 00		ion & Coordination					
		Steel Erection				w/ Steel Above	\$0
05 90 00 Tota	al					\$0	
						\$90,000	
Division 5 - Ste	eel Total						
						·	
Division 6 -	Carpentry					·	
	Carpentry Glu-Lamina	ated Construction					
Division 6 -	Carpentry Glu-Lamina	ated Construction Glu-Lam Construction				Not Included	\$0
Division 6 -	Carpentry Glu-Lamina						\$0



					Bid Package #1 - GIVIP		
	Item #	Description	Quantity	/ Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
Division 6 - Ca	rpentry Total					\$6	)
Division 10	- Specialities	}					
10 11 16	Marker Boa						
		Markerboards or Display boards				Not Included	\$0
10 11 16 Tota						\$(	
						·	
10 12 00	Display Ca	ses					
	1	Display Cases				Not Included	\$0
10 12 00 Tota	al					\$(	·
Division 10 - S	pecialities Total					\$(	)
Division 12	- Special Cor	estruction					
13 11 00	Swimming						
13 11 00		Swimming Pool/Aquatics	1.00	ls		Below	\$0
		Concrete/Pneumatically applied concrete pool structures	1.00	ls		Included	\$0 \$0
		Competitive/Lap Pool - 8 lane, 25 yd pool (60'W x 75'-1"L)	1.00	ls	\$1,120,372.80	incidued	\$1,120,373
	4			15	ψ1,120,372.00	Not indicated on plans or details.	\$0
	•	Source capture system				N/A	\$0 \$0
		Course capture system				INIX	ΨΟ
	6	Diving board, one meter spring boards and towers at deep er	nd 2.00	ea		Included	\$0
	7		2.00	Ca		Moved to Earthwork	\$0 \$0
		Competitive Timing System, 8-lane, with numeric scoreboard				moroa to Eartimorit	ΨΟ
	8	& touch pads	1.00	ls		Included	\$0
		Pool Cover & storage reel for Lap Pool	1.00	13		Not indicated on plans or scope.	\$0
		Starting blocks with anchors	1.00	ls		Included	\$0
	11		1.00	ls		Included	\$0
		Backstroke pennant flag lines	1.00	ls		Included	\$0
		Recall rope with stanchions and anchors	1.00	ls		Included	\$0 \$0
		Leisure Pool, 3,100 sqft of water surface area	1.00	ls	\$813,050.00		\$813,050
		Skimmer recirculation	1.00	ls	ψο 10,000.00	Included	\$0
		Source capture system	1.00	10		N/A	\$0 \$0
		Excavation/Backfill of pool structure				w/ Earthwork	\$0 \$0
		Lap lanes, 3 each	1.00	ls		Included	\$0 \$0
	10	male records a galact	1.00	10		III dada	ΨΟ
	19	Water Slide, runnout decel lane - approx. 18'h flume and 126	lf 1.00	ls	\$338,350.00		\$338,350
	20		1.00	ls	<del>4000,000.00</del>	Included	\$0
		Foundation for slide and tower	1.00	ls	\$20,200.00	III dada	\$20,200
	21	. January of old did total	1.00	ið	Ψ20,200.00		Ψ20,200



					Bid Package #1 - GMP		
	Item #	Description	Quantity	Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
13 11 00	22	Conc runnout tank for waterslide	1.00	ls		Included	\$0
	23	Interactive play features	1.00	allow	\$222,200.00		\$222,200
	24					Not indicated on plans or scope.	\$0
	25	Current Channel	1.00	ls		Included	\$(
	26	Zero-depth entry	1.00	ls		Included	\$
	27	Pump Pit in Pool Mech Room				w/ Concrete	\$(
	28	Surge Tank for Leisure Pool - labor and material				Not required for skimmer recirc	\$
	29	Surge Tank for Lap Pool - labor and material				w/ Concrete	\$
	30		1.00	ls	\$5,555.00		\$5,55
	31	Access hatch and ladder rungs for conc tanks	1.00	ls	\$2,800.00		\$2,80
	32	Underground and above ground swimming pool piping	1.00	allow	\$354,510.00		\$354,51
	33	FRP hair/lint strainers	1.00	ls		Included	\$
	34	Recirculation pumps	1.00	ls		Included	\$
	35	Regenerative media filtration system	1.00	ls		Included	\$
	36	UV disinfection system	1.00	ls		Included	\$
	37	Heating: pool boilers	1.00	ls		Included	\$
	38	Chemical controllers	1.00	ls		Included	\$
	39	Chemical feed pumps	1.00	ls		Included	\$
	40	Quartz aggregate plaster finish	1.00	ls		Included	\$
		Tile to include: water line, lane lines, wall targets, depth					<u> </u>
	41	markers	1.00	ls		Included	\$
	42	Deck Equipment	1.00	ls		Included	\$
	43	Swimming Pool Safety Equipment	1.00	ls		Included	\$
	44	Swimming Pool Maintenance Equipment	1.00	ls		Included	\$
	45	ADA pool lift with anchor	1.00	ea		Included	\$
	46	Grab rails and hand rails associated with pool	1.00	ls		Included	\$
	47	Conc housekeeping pads for pool equipment, pumps	800.00	sf	\$6.00		\$4,80
	48	Pool, MEP coordination, layout	7.00	mths	\$4,156.80		\$29,09
	49	Electrical interlocking of pool equipment				w/ Elec	\$
	50		1.00	ls		Included	\$
	51		1.00	ls	\$1,500.00		\$1,50
	52	<u> </u>	7.00	ea	\$5,772.15		\$40,40
	53		318420.00	gal	\$0.03		\$9,55
	54		551.00	If	\$2.50		\$1,37
		Lifeguard chairs			T-177	FF&E per WTI's RFI Response	<del>, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>
13 11 00 Total						\$2,963,771	·
vision 13 - Sno	ecial Construct	ion Total				\$2,963,771	
vision 13 - 3pe	cial Construct	IUII I Ulai				\$2,903,771	



					Bid Package #1 - GMP		
	Item #	Description	Quantity	Unit	Total Unit	Notes / Comments / Clarifications	Total Cos
Divsision 23	- HVAC						
23 00 00		entilating and Air Conditioning					
	1	BP#1 - Pool Dehumidification Units - Rec Center				Below	\$1
	2	PDU-1 & 2 - purchase of equipment only	1.00	ls	\$409,080.64		\$409,08
		Air flow measuring station on exhaust air (237301.2.01	1.00	ls	· ,	Included	\$
		Warranty - 4 yr on drive line and 10 yr on gas fired heat exch	1.00	ls		Parts warranty only	\$
		Owner training - 1/2 day	1.00	ls		Included	 \$
	6	Labor to install with HVAC System Below				w/ HVAC	\$
		Hoisting for PDU's				w/ HVAC	 \$
23 00 00 Total						\$	409,081
Divsision 23 - HV	VAC Total					\$	409,081
31							
31 00 00	Earthwork						
31 00 00	1	Earthwork	1.00	sub	\$596,836.24		\$596,83
		Mobilization	1.00	ls	φοσο,σσσ.Σ-ι	Included	\$
		Sawcut and dispose of existing Asphalt	44820.00	sf		Included	\$
		C & G	525.00	If		Included	\$
		Remove and dispose of existing concrete wall	1.00	ls		Included	\$
		Sidewalk/Concrete pavement	7100.00	sf		Included	
	7	Light Pole bases	1.00	ea		Included	\$
	8		3.00	ea	\$615.00	City requires registered tree removal company	\$1,84
	-	Remove existing debris	1.00	ls	φοτοισσ	Included	\$
	10		930.00	If		Included	\$
	11		500.00	"		Not Anticipated at this time	\$
		Blasting				Not Anticipated at this time	\$
		Rock removal per ton				Not Anticipated at this time	\$
	14	•	3.00	day		Included	\$
	15		0.00	uuj		Not Anticipated at this time	\$
		Pothole or utility locates for existing utilities needed for other					<del>_</del>
	16		1.00	ls	\$5,000.00		\$5,00
		Strip topsoil and stockpile onsite	300.00	су	r-1	Included	\$
		Overlot grading	263.00	су		Included	\$
	19		12290.00	су		Included	\$
		Shoring excavation support	3575.00	sf		Included	\$ \$
	21	Remove and dispose top 3' shoring	140.00	If		Included	\$
	22	Moisture treat & compact, 3' depth, under SOG to 95%	1.00	ls		Included	\$
		Moisture treat & compact, 3' depth, under site walls to 95%	1.00	ls		Included	\$



_					Bid Package #1 - GMP		
	Item #	Description	Quantity	Uni	t Total Unit	Notes / Comments / Clarifications	Total Cost
31 00 00		Backfill Pool subgrade after caissons				Included	\$0
	25	Place 12" gravel and filter fabric at pool slab	11426.00	sf		Included	\$0
	26		1550.00	су		Included	\$0
	27	Import / backfill with treated onsite material at foundation	2000.00	су		Included	\$0
	28	Temp excavation support ramp	1.00	ea		Included	\$0 \$0
	29		1.00	ls		Included	\$0
	30		1.00	ls		Included	\$0
	31	Site wall excavation and backfill	670.00	lf		Included	\$0
	32	Site seat wall excavation and backfill	70.00	lf		Included	\$0
		Place 10 mil Steggo vapor barrier under SOG sand (1" sand,					
	33	VP, 3" sand)	32041.30	sf	\$0.30	Excluded by Earthwork Sub	\$9,612
	34	Rough grade for asphalt, site concrete, & landscape	96514.00	sf		Included	\$0
	35	Import an place topsoil	1.00	ls		Included	\$0
	36	Haul off concrete spoils	47.00	су	\$47.00		\$2,209
	37	Hand excavation	96.00	hr	\$54.54		\$5,236
	38	Protection of layout and replcm't as needed	1.00	ls	\$1,704.00		\$1,704
31 00 00 Total						\$622,	442
31 25 00	Erosion an	d Sedimentation Controls					
	1		1.00	sub	\$89,000.00	89000	\$89,000
	2	Vehicle tracking gravel 8" - 20' x 50'	1.00	ls		Included	\$0
	3	Silt fence around site	1482.00	lf		Included	\$0
	4	Additional silt fence for stockpiles	100.00	lf		Included	\$0
	5	Inlet filters	8.00	ea		Included	\$0
	6	Replacement of inlet filters as needed	9.00	ea	\$285.00		\$2,565
	7	Protect excavations from run-off	1.00	ls		Included	\$0
	8	Remove sediment deposits after run-off	1.00	ls		Included	\$0
	9	Install concrete washout pit	1.00	ls		Included	\$0
	10	Road base/gravel at compound & staging area 6" deep	6000.00	sf		Included	\$0
							\$0
	11	Maintain erosion control during proj	1.00	ls		Included	<b>\$</b> U
	11	Maintain erosion control during proj	1.00	ls		Included	Φ0
		Maintain erosion control during proj  Engineered stormwater management permit (Good for 1 year)		ls ea	\$750.00	Included	\$1,500
	12 13	Engineered stormwater management permit (Good for 1 year) Engineered stormwater management engineering			\$750.00 \$3,500.00	Included	\$1,500
	12 13 14	Engineered stormwater management permit (Good for 1 year) Engineered stormwater management engineering Refresh vehicle tracking pad during construction	2.00	ea		Included	\$1,500 \$3,500
	12 13 14	Engineered stormwater management permit (Good for 1 year) Engineered stormwater management engineering Refresh vehicle tracking pad during construction Remove vehicle tracking pad prior to asphalt	2.00	ea Is	\$3,500.00	Included	\$1,500 \$3,500 \$2,000 \$1,200
	12 13 14	Engineered stormwater management permit (Good for 1 year) Engineered stormwater management engineering Refresh vehicle tracking pad during construction Remove vehicle tracking pad prior to asphalt	2.00 1.00 5.00	ea Is	\$3,500.00 \$400.00	Included	\$1,500 \$3,500 \$2,000 \$1,200
	12 13 14 15	Engineered stormwater management permit (Good for 1 year) Engineered stormwater management engineering Refresh vehicle tracking pad during construction Remove vehicle tracking pad prior to asphalt Concrete washout, maintenance, clean-up	2.00 1.00 5.00 1.00	ea Is ea ea	\$3,500.00 \$400.00 \$1,200.00	Included  w/ Earthwork	\$1,500 \$3,500 \$2,000 \$1,200 \$16,800
	12 13 14 15 16	Engineered stormwater management permit (Good for 1 year) Engineered stormwater management engineering Refresh vehicle tracking pad during construction Remove vehicle tracking pad prior to asphalt Concrete washout, maintenance, clean-up Water truck for dust control	2.00 1.00 5.00 1.00	ea Is ea ea	\$3,500.00 \$400.00 \$1,200.00		\$1,500 \$3,500 \$2,000 \$1,200 \$16,800 \$0 \$2,700
	12 13 14 15 16 17 18	Engineered stormwater management permit (Good for 1 year) Engineered stormwater management engineering Refresh vehicle tracking pad during construction Remove vehicle tracking pad prior to asphalt Concrete washout, maintenance, clean-up Water truck for dust control Street cleaning as needed	2.00 1.00 5.00 1.00 7.00	ea Is ea ea mth	\$3,500.00 \$400.00 \$1,200.00 \$2,400.00		\$1,500 \$3,500 \$2,000 \$1,200 \$16,800



It							
	tem #	Description	Quantity	Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
		Truck wash-off location (excavate/backfill pit & set precast					
31 25 00	21	grate)				Not Anticipated at this time	\$0
	22					Not Anticipated at this time	\$0
	23	Haybales				Not Anticipated at this time	\$0
		Check dams				Not Anticipated at this time	\$0
31 25 00 Total						\$1	119,265
31 41 00 S	horing						
		Temporary Shoring	1.00	sub	\$122,527.50		\$122,528
	2	Mobilization	1.00	ls		Included	\$0
		Temporary soil nail wall along Josephine and a portion of					
	•	Colfax	3850.00	sf		Included	\$0
		Temporary soil nail wall along east side of pool	1000.00	sf		Included	\$0
		Engineered drawings	1.00	ls		Included	\$0
	6	Permit	1.00	ls	\$1,500.00		\$1,500
31 41 00 Total						\$1	24,028
31 09 13 D	ewatering						
		Materials Management Plan:	1.00	ls		All scope related to dewatering are an allowance.	\$0
		Project specific pollution insurance coverage	1.00	ls	\$47,000.00	Refer to Scope of Work Allowance for more info.	\$47,000
	3	Environmental consulting work	1.00	ls		Below	\$0
	4	Environmental summary / risk review	1.00	ls	\$4,725.00		\$4,725
		Ground water samplings, 2 per well	1.00	ls	\$4,095.00		\$4,095
		Remediation activities discharging to surface water permit	1.00	ls	\$1,825.00	\$5,000 paid by Purchase Order from City	\$1,825
	7	Remediation activities management plan prep and submittal	1.00	ls	\$4,725.00		\$4,725
		Drill and install piezometers for monitoring ground water levels	3				
		during dewatering				Assuming use exist montioring wells	\$0
		Environmental Montitoring Compliance Sampling	1.00	ls		Below	\$0
	10	Weekly discharge water sampling (effluent only)	24.00	ea	\$1,254.75		\$30,114
	11	)	4.00	ea	\$682.50		\$2,730
		Quarterly discharge water sampling (influent only)	1.00	ea	\$1,044.75		\$1,045
	13	Data compilation of weekly test reports	24.00	ea	\$204.75		\$4,914
	14	5 5 1 1 1	4.00	ea	\$551.25		\$2,205
		Environmental support as needed	1.00	ls	\$5,250.00		\$5,250
	16	Drilling for future monitoring wells				By City	\$0
		All wells that are in the way of the structure will be					
		decommissioned by City				By City	\$0
		Dewatering				Below	\$0
	19	Delivery, hauling & pick-up for dewatering equipment	1.00	ls	\$4,929.00		\$4,929
	20	Installation, removal and services	1.00	ls	\$29,462.00		\$29,462



					biu Package #1 - GiviP		
	Item #	Description	Quantity	Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
31 09 13	21	Monthly rental of equipment	6.00	mth	\$26,120.00		\$156,720
	22	Sales items - consumables	1.00	ls	\$36,124.00		\$36,124
		Additional carbon & sand to deal with potential shortened life					
	23	span of filter materials	1.00	ls	\$1,576.00		\$1,576
		Test carbon and potentially dispose of as hazardous materials					
	24	(allow 2,200 lbs)	1.00	ls	\$4,400.00		\$4,400
	25	Emerg standby generator to be used if power is out				May be able to wire to site power if available	\$0
		Daytime manning for 1 man & truck, 14 hours, first 7 day					
	26	shake out	7.00	days	\$1,260.00		\$8,820
		Nighttime manning, 2 men & truck, 14 hours first 7 day shake					
	27	out	7.00	days	\$1,960.00		\$13,720
		Nightime manning & weekend manning for 1 man & truck, 10					
		hrs/day for 25 weeks - 2 days per week (8 hours on site & 2					
		hours drive time) - intention is to have someone monitor it					
		overnight one day during the week and one of the weekend					
		nights to have intermittment inspections of operation & to make	е				
	28	sure all filters are maintained regularly	500.00	hrs	\$90.00		\$45,000
	29	Maintenance time & materials for every 250 hrs of operation	17.00	ea	\$360.00		\$6,120
		Fuel consumption on generators (assumed 168 hrs out of the 6	3				
	30	month period at 1.5 gallons per hour)	252.00	gal	\$3.25	May be able to wire to site power if available	\$819
		Chemical injection with sodium hypochlorite (materials		-			
		provided by Environmental Consultant to the dewatering sub.					
	31	Injection to take place during scheduled visits per above)	1.00	ls	\$250.00	Service must be provided by City	\$250
		Treatment and disposal of bore hole flush water, waste fluids,					
	32	cuttings	38.50	yards	\$20.00		\$770
	33	Excavator to deal with residual perched water in clay layers	1.00	ls	\$2,000.00		\$2,000
	34	Surveying to locate components of system	1.00	ls	\$1,200.00		\$1,200
		Heat trace & electrical consumption for exposed dewatering			· ·		
	35	lines	1.00	ls	\$3,000.00		\$3,000
	36	120 volt service & tank heaters	1.00	ls		Included	\$0
	37	Asbestos Awareness Training for Supt, PM, & PE	1.00	ls	\$1,500.00		\$1,500
		Contingency on Environmental Work & Dewatering Process-			. ,		
	38	10%	0.10	%	\$425,037.75		\$42,504
31 09 13 Total						\$467	7,542
						<del>, , , , , , , , , , , , , , , , , , , </del>	
31 63 29	Drilled Con	crete Piers					
	1	BP#1 - Rec Center				Below	\$0
	2	Drilled Piers for Recreation Center & Pools	1.00	ls	\$515,000.00		\$515,000
		Mobilization	1.00	ls	40.0,000.00	Included	\$0
	4	P1 - 18" dia @ Rec Center Foundation	30.00	ea		Included	\$0
	7		50.00	- Cu		moladea	ΨΟ



					Bid Package #1 - GMP		
	Item #	Description	Quantity	Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
31 63 29	5		129.00	ea		Included	\$0
	6		31.00	ea		Included	\$0
	7		12.00	ea		Included	\$0
		Drilling through overburden for piers at lap pool deep end	360.00	lf	\$9.00		\$3,240
		Drill & epoxy dowels for piers drilled through overburden	160.00	ea	\$70.00		\$11,200
		Piers to support pool deck on PL110				See Add Alternates	\$0
		Casing for drilled piers				See Add Alternates	\$0
		Hole protection	202.00	ea	\$25.25		\$5,101
		Hoist rebar cages in hole	202.00	ea		Included	\$0
		Sonotube @ top of pier 24" - material	606.00	lf	\$3.75		\$2,273
	15	Arcvoid for piers	202.00	ea	\$29.00		\$5,858
	16	·	202.00	ea	\$12.00		\$2,424
	17	Labor to pour caissons	1.00	ls		Included	\$0
	18	•	794.40	су		Included	\$0
	19		92.17	tns		Included	\$0
	20	Install rebar	92.17	tns		Included	\$0 \$0 \$0
	21	Concrete Material	794.40	су		Included	\$0
	22	Concrete pump	25.25	days		Included	\$0
	23	Concrete accessories	202.00	ea		Included	\$0
31 63 29 Total						\$545,095	
31 Total						\$1,878,3	71
33							
33 10 00	Water Utilit	ties					
	1	Water Utilities	1.00	sub	\$347,858.77		\$347,859
	2	Pothole and utility locate for water service connections	1.00	ls		Included	\$0
	3	8" PVC water line	323.00	lf		Included	\$0
	4	8" fittings	3.00	ea		Included	\$0
		8" Gate valve	1.00	ea		Included	\$0
	6	Fire Hydrant complete with 8" Tee	1.00	ea		Included	\$0
		Fire Hydrant complete with 12" Tee	2.00	ea		Included	\$0
		12"x8" cut in tee	1.00	ea		Included	\$0 \$0
		0 1: 40!! - 1	2.00	ea		Included	\$0
		Cut in 12" gate valve	2.00	ou			
	10	1" irrigation stub	78.00	If		Included	\$0
	10						\$0 \$0
	10 11	1" irrigation stub	78.00	If		Included	\$0 \$0 \$0
	10 11 12 13	1" irrigation stub 1.5" waterline 3" domestic water service (with meter)	78.00 41.00	lf If		Included Included	\$0 \$0 \$0 \$0 \$0 \$0



					Bid Package #1 - GMP		
	ltem #	Description	Quantity	Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
33 10 00		Cut and cap existing domestic services at main	2.00	ea		Included	\$0
		Cut and cap existing fireline at main	1.00	ea		Included	\$0
		Remove existing main	25.00	lf		Included	\$0 \$0
	18		520.00	су		Included	\$0
	19					Included	\$0
	20					Included	\$0
	21	Asphalt Utility patching	1.00	ls		Included	\$0
		Concrete utility patching	1.00	ls		Included	\$0 \$0
	23	Barricades/traffic control	15.00	days		Included	\$0
33 10 00 Total						\$347,	859
33 30 00	Sanitary Se	werage Utilities					
		Sanitary Sewer Utilities	1.00	sub	\$42,924.35		\$42,924
		Pothole and utility locate for sanitary sewer service	1.00	ls	¥ .=,o=oo	Included	\$0
		4" SDR 35	21.00	If		Included	\$0
		8" SDR 35	90.00	 If		Included	\$0
		4" Cleanouts	1.00	ea		Included	\$0
		8" connect to existing main	1.00	ea		Included	\$0
		Flow fill	1.00	ls		Included	\$0
	8	48" dia manhole	1.00	ea		Included	\$0
		Remove and replce curb and gutter	40.00	If .		Included	\$0 \$0 \$0
	10	· · · · · · · · · · · · · · · · · · ·	150.00	sf		Included	\$0
	11	Export trench spoils	1.00	ls		Included	\$0
	12	Barricades/traffic control	4.00	day		Included	\$0
33 30 00 Total						\$42,9	
33 40 00	Ctorm Drois	nage Utilities					
33 40 00	3101111 101411	Storm Drain Utilities	1.00	ab	\$374,766.42		\$374,766
	2	Mobilization	1.00	sub	φ3/4,/00.42	Included	\$0
		12" CL III RCP	47.00	ea If		Included	\$0
		15" CL III RCP	176.00	If		Included	\$0
		18" CL III RCP	230.00	If		Included	\$0
		8" SDR-35 Storm sewer with fittings	242.00	If		Included	φ0 •0
		6" SDR-35 Storm sewer with fittings	489.00	If		Included	\$0 \$0
		6" landscape drain	480.00	If		Included	φ0 •0
		48" dia manhole	1.00			Included	\$0 \$0 \$0 \$0 \$0
		60" dia manhole	3.00	ea		Included	φ0
			1.00	ea		Included	φc
		Type C inlet w/ grate	3.00	ea		Included	φ <sub>0</sub>
	12	Type O IIIIet W/ grate	3.00	ea		included	ŞU



13 14	Description 15" Nyloplast inlet	Quantity 1.00	Unit	Total Unit	Notes / Comments / Clarifications	Total Cost
14		1.00				
		1.00	ea		Included	\$0
	12" Nyloplast inlet	4.00	ea		Included	\$0
15	Tie into existing structure	1.00	ea		Included	\$0
16		1.00	ea		Included	\$0
17	Underground Stormtech SC-740 detention system	1.00	ls		Included	\$0
		320.00	lf		Included	\$0
19	30 mil pvc geomembrane liner and filter media	5981.00	sf		Included	\$0
20	Export trench spoils	1.00	ls		Included	\$0
21	Inlet protection	9.00	ea	\$285.00		\$2,565
22	Locate existing utilities	1.00	ls		Included	\$0
23	Flowfill	1.00	ls		Included	\$0
24	Concrete utility patching	150.00	sf		Included	\$0
25	Barricades/traffic control	5.00	day		Included	\$0
					\$377,331	
Subdrainag	e					
1	Building perimeter drainage system	1.00	sub	\$24,664.50		\$24,665
2	- 4" pipe filter fabric and gravel				Included	\$0
3	Building under drainage system				Not Included	\$0
					\$24,665	
					\$792,779	
						\$7,281,617
	17 18 19 20 21 22 23 24 25 Subdrainag	16 Remove existing inlet 17 Underground Stormtech SC-740 detention system 18 4" slotted rain garden underdrain pipe 19 30 mil pvc geomembrane liner and filter media 20 Export trench spoils 21 Inlet protection 22 Locate existing utilities 23 Flowfill 24 Concrete utility patching 25 Barricades/traffic control	16         Remove existing inlet         1.00           17         Underground Stormtech SC-740 detention system         1.00           18         4" slotted rain garden underdrain pipe         320.00           19         30 mil pvc geomembrane liner and filter media         5981.00           20         Export trench spoils         1.00           21         Inlet protection         9.00           22         Locate existing utilities         1.00           23         Flowfill         1.00           24         Concrete utility patching         150.00           25         Barricades/traffic control         5.00    Subdrainage  1  Building perimeter drainage system 1.00 2 - 4" pipe filter fabric and gravel	16 Remove existing inlet 1 1.00 ea 17 Underground Stormtech SC-740 detention system 1 1.00 ls 18 4" slotted rain garden underdrain pipe 320.00 lf 19 30 mil pvc geomembrane liner and filter media 5981.00 sf 20 Export trench spoils 1 1.00 ls 21 Inlet protection 9 .00 ea 22 Locate existing utilities 1 1.00 ls 23 Flowfill 1 1.00 ls 24 Concrete utility patching 150.00 sf 25 Barricades/traffic control 5.00 day	16 Remove existing inlet 1 1.00 ea 17 Underground Stormtech SC-740 detention system 1 1.00 ls 18 4" slotted rain garden underdrain pipe 320.00 lf 19 30 mil pvc geomembrane liner and filter media 5981.00 sf 20 Export trench spoils 1 1.00 ls 21 Inlet protection 9 .00 ea \$285.00 22 Locate existing utilities 1 .00 ls 23 Flowfill 1 .00 ls 24 Concrete utility patching 1 50.00 sf 25 Barricades/traffic control 5.00 day	16   Remove existing inlet

# Dewatering & Environmental Assumptions, Qualifications & Clarifications for GMP dated June 4<sup>th</sup>, 2015

### Central Denver Recreation Center – A&P Job #6992

- 1. This GMP proposal assumes that no ACM (Asbestos Containing Materials) are present on the site regardless of the reference in the MMP (Materials Management Plan) indicating the potential of ACM in the area generally identified as the Dog Park. Any ACM remediation or removal is excluded from the GMP. Any ACM encountered would be considered a differing site condition under the terms of the contract and procedures followed would be in compliance with the MMP Responsibility Matrix and notice provisions in the contract.
- 2. The GMP does not include any costs for hazardous waste removal or remediation, or any demobilization or remobilization associated with hazardous waste discovery, if any is required.
- 3. A&P has directed our proposed Environmental firm, ERM, and our proposed dewatering firm, Rain for Rent, to assume a flow rate of 20 GPM based on information provided by the City's Groundwater Geologist firm (Kumar & Associates), and which is consistent with ERM's experience in the area. The GMP, the permit applications, and the dewatering system have been designed around this flow rate, which could accommodate no more than 2 influent events of up to 50 GPM continuing for no more than 6 hours without requiring a significant redesign of the dewatering system and an increase in the GMP.
- 4. A&P has included a project specific pollution liability policy in the GMP which will cover the entire project including A&P and the Subcontractors. The GMP includes \$47,000 for this policy. Should no claims arise during the construction period, warranty period or Statute of Limitations, any deductible cost not consumed due to claims associated with the pollution coverage can be refunded to the City.
- 5. A&P has assumed that the dewatering permit can be secured within 6 weeks of submittal of the Application which will be submitted within 2 weeks of the Notice to Proceed issued by the City for the first Phase of work. A&P will use the services of ERM for filling out the application and assisting with securing this State permit with the CDPHE.
- 6. A&P has assumed that the dewatering system will need to be in operation 24 hours per day, 7 days per week, from mid-November of 2015 through mid-May of 2016. This is based on the need to have it in operation for approximately 2 weeks to tune the filtering/treatment process before full excavation can commence below the water table. The system has been assumed to be in place after this tuning process from the time the excavation commences for the pool surge tank and pool pump pit being constructed by the foundation contractor until the lap pool underground piping is installed, mat slab is poured, pool walls are poured and the walls are backfilled above the water table by the aquatics subcontractor.
- 7. A&P has assumed the water table will not vary materially from the approximate 15' depth from the south end grade that was indicated by the geotechnical report provided by Kumar & Associates.
- 8. A&P has assumed that two of the currently existing monitoring wells can be utilized as piezometers during the dewatering period for taking measurements of the depth to the water table if coordinated with the City. No costs for constructing new piezometers has been included in the GMP.
- 9. A&P has assumed that all work associated with decommissioning existing groundwater monitoring wells will be performed by a 3<sup>rd</sup> party working directly for the City. A&P has assumed that construction of new groundwater monitoring wells will be constructed to State standards by a 3<sup>rd</sup> party working directly for the City and A&P's only involvement would be incorporating any of these wells into the slabs of the building. That could entail constructing a concrete vault that gives a secure space for the top of the

monitoring well pipe and the locking cap that gets installed on the top of it. A&P has assumed that these construction details will be provided by the Architect of Record as part of the final design on the contract documents, should a vault be needed for the wells. The cost for monitoring well vaults is not included in the GMP estimate for Phase I, but would become a part of the Phase II GMP estimate if those are included in the final design of the facility. The slab on grade work is part of Phase II and that is when the wells would need to be coordinate with design and construction.

- 10. A&P has assumed that the MMP Responsibility Matrix will govern over any discrepancies that exist within the MMP as to responsibilities that are either delineated in the MMP or were silent as to the responsibility.
- 11. The GMP Estimate is based on the assumption that all soils materials that are exported from the site will be dumped at a location within a 30 minute drive of the project site (75 minutes round trip trucking time). If it is determined the material needs to go to DAD's and the City is paying the dump fees, There will be an extra \$30 charge per truck. We have not assumed an associated value with the excess dirt, nor were we planning to use it for a different site.
- 13. A&P has assumed that some reasonably foreseen rain/snow delays would likely occur during the dewatering process while performing this work during the winter months. A&P has included 2 weeks of rental/maintenance time above and beyond the end date of the pool wall backfill to account for a planned amount of lost time in the schedule and in the GMP estimate. Should the winter or weather conditions materially differ from what could be reasonably expected during the dewatering process at this site during those months, there are provisions in the contract for dealing with unusually severe weather.
- 14. The GMP estimate excludes remediation, removal or disposal of any subsurface site conditions, referred to in the MMP as "Unanticipated Materials", whether or not they are contaminated. If differing site conditions are encountered, a change order will be addressed according to the contract.
- 15. This proposal assumes that Bid Package Two work will be incorporated into this Contract by Contract Amendment and a Notice to Proceed for Bid Package Two work will be received by the date shown in the Schedule attached to the GMP proposal.
- 16. These are the assumptions that have been made by A&P's proposed dewatering sub, Rain for Rent ("RFR"):

Given the ground water sample data provided in the MMP, we assume treatment for TSS, iron, manganese, and TRC.

We expect to treat TSS through the use of weir tanks and bag filtration.

We expect to treat Iron and Manganese through the use of aeration, chemical injection, and green sand plus.

We expect to treat TRC through the use of Carbon media.

We expect to use Carbon media to treat petroleum contaminants in the water.

We expect that arsenic and selenium can be diluted out in our weir tanks. If additional filtration may need to be added, this is not currently included in the GMP.

We expect the discharge from this project will go into storm drains that drain to the South Platte River.

Contractor

# Central Denver Rec Center Responsibility Matrix<sup>1</sup>

Ovymor 2

	Owner <sup>2</sup>	Contractor
Monitoring Wells:		
Decommissioning of any existing monitoring wells prior to start of construction	X	
Installation of any new monitoring wells, locking well caps,	X	
New wells that are to be installed will be performed by an agent working directly		
for the City & County of Denver in compliance with requirements of the various		
authorities having jurisdiction over well construction of this nature.	X	
A&P will coordinate the timing of the installation of the new wells that may fall		X
within the interior slabs of the building and will incorporate the interface above		
the well into the construction in accordance with final design details that will be		
developed later by the design team to work with an interior condition		
Permits:		
1 CI IIIUS.		
Temporary construction dewatering system during construction of the swimming		X
pool:		

<sup>&</sup>lt;sup>1</sup> If there is a conflict between the Materials Management Plan and this Responsibility Matrix, or the Materials Management Plan is silent as to which party is responsible, then this Responsibility Matrix will govern the assignment of responsibility for specific tasks.

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<sup>&</sup>lt;sup>2</sup> Terracon, or any other environmental consultant that is retained by the Owner, will perform its scope of work entirely as a consultant retained by the Owner. A&P will not be liable for the actions or inactions of Terracon or other consultants retained by the Owner.

Colorado Discharge Permit System (CDPS) certification issued for the site by	2	X
the CDPHE Water Quality Control Division (WQCD)		
Application for CDPS General Permit:	2	X
Construction Dewatering (COG070000),		
Remediation Activities Discharging to Surface Water (COG315000), or		
Remediation Activities Discharging to Groundwater (COG316000).		
Groundwater Discharge and Treatment:		
<b>6.2 Groundwater Quality:</b> Monitor and treat ground water during dewatering	2	X
activities associated with construction. The CDPS permit which will be secured,		
will dictate to what levels various metals and contaminates will be measured,		
monitored and treated. The proposed dewatering firm indicated that adjustments		
can be made with the filtration/treatment train in their system to handle most		
conditions with naturally occurring metals expected in the downtown Denver		
area.		

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<b>6.4 Groundwater Leachate from Soil:</b> If, during soil excavation and handling, liquid is generated then the groundwater will be properly handled to prevent cross contamination of surrounding soil and groundwater impacting the public		X
Stockpiled saturated soil will be placed on 6-millimeter plastic sheeting that is		•
sloped to collect the groundwater in a plastic lined sump. The sump will be lined with gravel to prevent the plastic from moving out of place.		X
The groundwater that accumulates in the sump will be managed as potentially contaminated by collecting a sample for characterization.  The Owner's environmental professional will collect and test the sample.	X	X
Based on the sample results, the accumulated groundwater will be disposed of off-site or discharged per Section 6.3 of the Materials Management Plan.	Α	X
Direction will be provided by Owner should A&P's environmental firm encounter any contaminates that can't be treated to levels required of the	X	
dewatering permit by reasonable and customary measures typically used by the proposed dewatering firm.  On Site Monitoring:		
Engage an environmental professional to provide on site monitoring of soil during intrusive activities such as excavating, grading, drilling, and trenching in the areas identified on Exhibits 4 and 5 of MMP. Environmental professional requires 48 hours written notification from A&P of scheduled activities requiring	X	
oversight.		

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Caisson Spoils: Regardless of whether groundwater production occurs during caisson drilling, the environmental professional present on site will field screen the excess soil and/or slurry mixture from the caissons per Section 5.1 of the MMP and with CCoD will determine the waste management strategy.	X	
7.0 Contingency Plan For Unanticipated Materials:		
Although A&P has not included any cost in the GMP for these contingencies,		
due to the location and history of the site, the possibility exists that contaminated		
materials may be encountered other than those identified and specified for		
special management within this MMP. Therefore, the following contingency		
procedures will be enacted in the event such materials are encountered:		
Notify the City of potentially contaminated soil or material. An environmental		
professional will not be on site when work is conducted outside of the areas		X
identified on Exhibits 4 and 5 of the MMP except as called to the site to address		
observed potential environmental concerns.		
If notified by A&P of potentially contaminated materials, outside of areas		
identified on Exhibits 4 and 5 of the MMP, the City will have an environmental		
professional onsite during earth disturbing activities in the immediate area of	X	
concern.		
If uncharacterized, potentially-contaminated materials (soil, groundwater, ACM,		
construction materials) are encountered (based on appearance, odors, or other		

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indications) when working outside of those areas identified on Exhibits 4 and 5 of the MMP, then the General Contractor shall immediately stop work in the immediate area of the discovery, immediately contact the City ((720) 460-1706), and continue work in other areas of the site.		X
If unknown or unidentified underground storage tanks, drums, odorous soils, stained soils, asbestos-cement pipe, transite, building debris, or waste materials are encountered during the project, then the General Contractor shall immediately stop work in the area of the discovery, immediately contact the City ((720) 460-1706), and continue work in other areas of the site.		X
The City's environmental professional will be called to the site. The waste will be left in-place and evaluated and/or sampled by the City's environmental professional to evaluate the potential environmental impacts and proper handling and management strategy.	X	
After waste is evaluated by the environmental professional, the City will give direction to A&P on how to proceed with work relating to the unanticipated materials.	X	
The City will provide direction to GC when the GC & its subcontractors are		
released to recommence work in the immediate affected area.	X	
ACS and ACM Remediation and Monitoring (Per Section 3.2 of SOP):		
If Asbestos Containing Materials (ACM) or Asbestos Containing Soil (ACS) are encountered, provide Certified Asbestos Building Inspector (CABI") per Section 3.1 of Asbestos Containing Soil Management Standard Operating Procedures (SOP) in Exhibit 8 and certified per Air Regulation No. 8:	X	

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If ACM or ACS is encountered, provide as needed management of ACS or ACM per the SOP.	X	
Maintenance of all necessary site controls to prevent unauthorized entry into any regulated work area;		X
Removing non-salvageable, non-hazardous materials and equipment from the site and disposing at DADS in accordance with local, state and federal laws;		X
Soil Sampling and Lab Testing:		
Soil sampling and lab testing for disposal purposes.	X	
Soil sampling and lab testing for reuse on other City properties.	X	
Soil sampling and lab testing for reuse at 3 <sup>rd</sup> party properties.		X
Disposal of non-hazardous materials at DADS:		
Set up disposal accounts	X	
Pay for disposal costs – billed directly by Waste Mgmt	X	
Transportation of non-hazardous materials to DADS		X
Disposal of hazardous materials (ACM, ACS) at DADS:		
Obtain hazardous waste generator ID, if applicable.	X	

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Set up disposal accounts, as applicable	X	
Pay for disposal costs	X	
Transportation of hazardous materials to disposal site	X	

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					RAL DENVER REGREATION CENTER
ID		DN Task Name	Duration Start Finish	% Comp Predecessors Successors	3rd Quart   1st Quart   3rd
1	02-SUBS	CENTRAL DENVER RECREATION CENTER	633 days Mon 12/15/14 Wed 5/17/17	7%	12/15 CENTRAL DENVER RECREATION CENTER
2	00-BRS	PRE-CONSTRUCTION PHASE	390 days Mon 12/15/14 Fri 6/10/16	31%	12/15 PRE-CONSTRUCTION PHASE
3	00-BRS	PRE-CONSTRUCTION, PLAN REVIEWS & PERMITTING SCHEDULE	265 days Mon 12/15/14 Fri 12/18/15		12/15 PRE-CONSTRUCTION, PLAN REVIEWS & PERMITTING SCHEDULE
4	00-BRS	BRS ITEMS	230 days Mon 12/15/14 Fri 10/30/15		12/15 BRS ITEMS
5	00-CACD 00-BRS	Full Notice to Proceed for Design to proceed to SD's	0 days Mon 12/15/14 Mon 12/15/14		12/15 & Full Notice to Proceed for Design to proceed to SD's
7	00-BRS	Schematic Design  Distribute floor plans to consultants	29 days Tue 12/16/14 Fri 1/23/15 0 days Fri 1/16/15 Fri 1/16/15		0 12/16 Schematic Design 1/1/16 Distribute floor plans to consultants
8	00-BRS	Consultants finalize narratives & drawings for 100% SD from floor BRS' plans	3 days Mon 1/19/15 Wed 1/21/15		1/19 Consultaists finalize narratives & drawings for 100% SD from floor BRS' plans
9	00-BRS	Consultant narratives & drawings for 100% SD sent back to BRS	0 days Wed 1/21/15 Wed 1/21/15		1/21 ♦ Consultant narratives & drawings for 100% SD sent back to BRS
10	00-BRS	100% SD Report Published by BRS & Distributed to A&P by 3:00 p.m.	0 days Fri 1/23/15 Fri 1/23/15	-	1/23 ♠ 100% SE Report Published by BRS & Distributed to A&P by 3:00 p.m.
11	00-BRS	Design Development Report Published & Distributed to A&P by 3:00 p.m.	75 days Mon 1/26/15 Fri 5/8/15	100% 6,10,70FF+50 days 12SS+45 days,82,12	D. 1/26 Design Development Report Published & Distributed to A&P by 3:00 p.m.
12	00-BRS	50% Design Development Deliverable	0 days Fri 3/27/15 Fri 3/27/15	100% 11SS+45 days 13,71,52,53,55,56,57	.5 3/27 🍫 50% Design Development Deliverable
13	00-BRS	Construction Documents through completion of Permit/GMP Pricing set (milestones: CD Client	100 days Mon 3/30/15 Fri 8/14/15	85% 12 27,25SS+80 days,26	3/30 and Construction Documents through completion of Permit/GMP Pricing set (milestones: CD Client Workshop #3-Tues, Aug 4th)
		Workshop #3-Tues, Aug 4th)			
14	00-CACD	Client comments on 50% DD doc's due to BRS & distributed to consultant team	1 day Fri 4/17/15 Fri 4/17/15	100% 73FS+2 days 15,17FS+2 days	4/17   Clieat comments on 50% DD doc's due to BRS & distributed to consultant team
15	00-BRS	Design team review City comments & prepare responses to them	10 days Mon 4/20/15 Fri 5/1/15		4/20 @ Design team review City comments & prepare responses to them
16	00-BRS	Design team responses to City comments due back to BRS	0 days Fri 5/1/15 Fri 5/1/15		5/1 & Design team responses to City comments due back to BRS
17	00-BRS	All documents for CPD submittal sent to HKS in PDF format (BRS, PK & HKS)	1 day Wed 4/22/15 Wed 4/22/15		4/22   All écouments for CPD submittal sent to HKS in PDF format (BRS, PK & HKS)
18	00-CACD	City decisions required on any VE required as a result of 50% DD estimate (latter previously	1 day Fri 5/8/15 Fri 5/8/15	100% 80 19	5/8   City decisions required on any VE required as a result of 50% DD estimate (latter previously reconciled & reviewed by Brett & the City)
		reconciled & reviewed by Brett & the City)			
19	00-BRS	100% DD / Permit set for GMP Package #1 production process	15 days Mon 5/11/15 Fri 5/29/15		5/11 g 160% DD / Permit set for GMP Package #1 production process
20	00-BRS	100% DD / Permit set final background models/CAD Files shared	1 day Mon 5/25/15 Mon 5/25/15		5/25   16% DD / Permit set final background models/CAD Files shared
21	00-BRS N	100% DD / Permit set all PDF's to BRS by end of day	1 day Wed 5/27/15 Wed 5/27/15	· · · · · · · · · · · · · · · · · · ·	5/27   160% DD / Permit set all PDF's to BRS by end of day  5/29 🏚 100% DD / Permit set for GMP Package # published
22	00-BRS N	I/S 100% DD / Permit set for GMP Package #1 published 100% DD / Permit set for GMP Package #1-two week extension requested by BRS (milestones)	0 days Fri 5/29/15 Fri 5/29/15 : 10 days Mon 6/1/15 Fri 6/12/15		5/29 🌎 150% DD / Permit set for GMP Package #1 published  6/1 🛔 150% DD / Permit set for GMP Package #1-two week extension requested by BRS (milestones: Drwg & spec T of C, Revit models & CAD's to BRS by 6/8, consultant PDF's to BRS End of Day 6/10)
20	00-DN3	Drwg & spec T of C, Revit models & CAD's to BRS by 6/8, consultant PDF's to BRS End of Day	10 3370 1001 01710 1110/12/15		1
		6/10)			
24	00-BRS N		0 days Fri 6/12/15 Fri 6/12/15		6/12 ♦ 100% DD Permit set for GMP Package #1 published (revised date)
25	00-BRS N	I/S 50% CD's deliverable-Internal coordination check set (milestones: CD Client Workshop #1-Tues 6/23-lights & pl fixt's, interiors & architecture, Workshop #2 Thurs 7/9-interiors & brick)	0 days Fri 7/17/15 Fri 7/17/15	0% 13SS+80 days 28,27,26	7/17 💪 50% CD's deliverable-Internal coordination check set (milestones: CD Client Workshop #1-Tues 6/23-lights & pl fixt's, interiors & architecture, Workshop #2 Thurs 7/9-interiors & brick)
		orzo-nights a prinkrs, interiors a architecture, vivorasinop #2 Thurs 7/3-interiors & DRCK)			
26	00-BRS N	//S CD-Permit/GMP Pricing Set-2 week extension requested by BRS (per 05/18/15 e-mails from	0 days Fri 8/14/15 Fri 8/14/15	0% 13,25 27	8/14 • CD-Permit/GMP Pricing Set-2 week extension requested by BRS (per 05/18/15 e-mails from Brett & Katie, this extension is not needed. Kept task, but reduced duration to zero days)
20	00-BR3 N	Brett & Katie, this extension is not needed. Kept task, but reduced duration to zero days)	0 days   Fil 0/14/15   Fil 0/14/15	0 /6 13,23	Unit Control of the C
27	00-BRS N	CD-Permit/GMP Pricing Set deliverable-Distributed to A&P by 5:00	0 days Fri 8/14/15 Fri 8/14/15	0% 13,25,26 28,110,175,64,67,63,	8/14 🔷 CD-Permit/GMP Pricing Set deliverable-Distributed to A&P by 5:00 p.m. (revised date)
		p.m. (revised date)			
28	00-BRS	Incorporate any early ASI's/bidder RFI's/ last addendum into the "for construction" set / final plan	20 days Mon 8/17/15 Fri 9/11/15	0% 27,25 31	8/15 on Incorporate any early ASIs/bidder RFIs/ last addendum into the "for construction" set / final plan & specification QC process by BRS
		& specification QC process by BRS	],		
29	00-AHJ	Building Department State Fire Marshall Plan Review Process	30 days Mon 8/17/15 Fri 9/25/15	0% 27 30	8/12 a Building Department State Fire Marshall Plan Review Process
30	00-BRS	BRS Incorporate AHJ's plan review comments & issue ASI(s) associated with them	10 days Mon 9/28/15 Fri 10/9/15		9:28 g BRS Incorporate AHJ's plan review comments & issue AS(s) associated with them
31 32	00-BRS N	//S "For Construction" consildated set of CD's-Distributed to A&P by 3:00 p.m.	0 days Fri 10/9/15 Fri 10/9/15		13)9 🍲 "For Construction" consilidated set of CD's-Distributed to ASP by 3:00 p.m.
32	00-A & P	A&P reconcile ASI costs with proposed subs & City make final adjustments with their contingency portion prior to City Council 2nd reading	15 days Mon 10/12/15 Fri 10/30/15	0% 31 117,116FF+35 days	19/12 a A&P reconcile ASI costs with proposed subs & City make final adjustments with their contingency portion prior to City Council 2nd reading
33	00-BRS	HKS ENGINEERING ITEMS FOR EARLY PACKAGE RELEASE	150 days Mon 1/5/15 Mon 8/3/15	77%	1/5 THE THE PROPERTY OF THE PROPERTY PACKAGE RELEASE
34	00-BRS	Building footprint received from BRS	0 days Mon 1/5/15 Mon 1/5/15	100% 6SS+15 days 35	1/5 \$\phi\$ Building Gootprint received from BRS
35	00-BRS	HKS Work with BRS & StudioCPG to layout parking and site plan base	10 days Tue 1/6/15 Mon 1/19/15	100% 34 36	1/6 MKS Word with BRS & StudioCPG to layout parking and site plan base
36	00-BRS	HKS Prepare Concept Plan Submittal	5 days Tue 1/20/15 Mon 1/26/15	100% 35 37	1/20   HKS Prograre Concept Plan Submittal
37	00-BRS	HKS Submit Concept Plan to Development Services	0 days Mon 1/26/15 Mon 1/26/15	100% 36 38	1/26 HKS Sulmit Concept Plan to Development Services
38	00-CACD	City Review and Concept Plan Meeting	10 days Tue 1/27/15 Mon 2/9/15		1/27 g City Review and Concept Plan Meeting
39 40	00-BRS 00-BRS	HKS Prepare Development Plan and 80% Civil Construction Drawings	35 days Tue 2/10/15 Mon 3/30/15		2/10 😝 HKS Prepare Development Plan and 80% Civil Construction Drawings  3/30 🄞 HKS: Deliverable-1st Submittal Development Plan & Civil CDs
41	00-BRS	HKS Deliverable-1st Submittal Development Plan & Civil CDs  1st Submittal City Review Period	0 days Mon 3/30/15 Mon 3/30/15 20 days Tue 3/31/15 Mon 4/27/15		3/30 on not between the control of t
42	00-BRS	HKS prepare erosion control plan preparation & approval process	20 days Tue 4/28/15 Mon 5/25/15		4/28 at Hits propare erosino control plan preparation & approval process
43	00-BRS	HKS Revise and Resubmit from City Comments on 1st submittal	11 days Tue 4/28/15 Tue 5/12/15		4/28 & HKS Revise and Resubmit from City Comments on 1st submittal
44	00-BRS	HKS Deliverable-2nd Submittal Development Plan & Civil CDs	0 days Tue 5/12/15 Tue 5/12/15		5/12 🌎 HSS Deliverable-2nd Submittal Development Plan & Civil CDs
45	00-CACD	2nd Submittal-City Review Period	40 days Wed 5/13/15 Tue 7/7/15	50% 44 47,46	5/13 💼 2nd Submittal-City Review Period
46	00-CACD	City comments on erosion control plan	1 day Wed 7/8/15 Wed 7/8/15		7/8 City comments on erosion control plan
47	00-BRS	HKS Revise and Resubmit from City Comments on 2nd submittal	5 days Wed 7/8/15 Tue 7/14/15		7/8 If HKS Revise and Resubmit from City Comments on 2nd submittal
48	00-BRS	HKS Deliverable-3rd Submittal Development Plan & Civil CDs	0 days Tue 7/14/15 Tue 7/14/15		77/14 & HKS Deliverable-3rd Submittal Development Plan & Civil CDs
49 50	00-CACD 00-BRS	3rd Submittal City Review and Approval Submit Final Signed/Stamped Drawings	10 days Wed 7/15/15 Tue 7/28/15 4 days Wed 7/29/15 Mon 8/3/15		7/15 ij 3rd Submittal City Review and Approval 21 7/29 ij Submit Final Signed/Stamped Drawings
51	00-BRS	CRITICAL ITEMS FOR EARLY PACKAGE	4 days Wed //29/15 Mon 8/3/15 100 days Fri 3/27/15 Fri 8/14/15		2 //29   Submit Final Signed Stamped Drawings   3/27 C   CRITICAL ITEMS FOR EARLY PACKAGE
52	00-BRS	Deliverable-Mass Excavation/Over-excavation & soil reconditioning design	0 days Fri 3/27/15 Fri 3/27/15		3/27  Deliverable-Mass Excavation/Over-excavation & soil reconditioning design
53	00-BRS	Deliverable-Building Deep foundation system (including reinforcing & mix design) design	0 days Fri 3/27/15 Fri 3/27/15		3/27 & Deliverable-Building Deep foundation system (including reinforcing & mix design) design
54	00-BRS	Deliverable-Aquatics Deep foundation system (including reinforcing & mix design) design	0 days Wed 4/1/15 Wed 4/1/15		4/1 ♦ Delièrerable-Aquatics Deep foundation system (including reinforcing & mix design) design
55	00-BRS	Deliverable-Soil nail design	0 days Fri 3/27/15 Fri 3/27/15		3/27 ♦ Deliverable-Soil nail design
56	00-BRS	Deliverable-Sanitary Sewerage Design	0 days Fri 3/27/15 Fri 3/27/15		3/27 ♦ Deliverable-Sanitary Sewerage Design
57	00-BRS	Deliverable-Storm Sewer Design	0 days Fri 3/27/15 Fri 3/27/15		3/27 ♦ Deliverable-Storm Sewer Design
58 59	00-BRS 00-BRS	Deliverable-Water (Denver Water Package) (based it off 1st City submittal)	0 days Fri 8/14/15 Fri 8/14/15		8/14 🌣 Deliverable-Water (Denver Water Package) (based it off 1st City submittal)  3/27 🎓 Deliverable-Pool Dehumidification Unit design (enough to put a PO out for the sole-sourced equipment)
59	00-RK2	Deliverable-Pool Dehumidification Unit design (enough to put a PO out for the sole-sourced equipment)	0 days Fri 3/27/15 Fri 3/27/15	10076 12   135,72	OLA CONTRACTOR ON DETININGUISTO UNIX DESIGN (BROUGH TO DATE OF CONTRACTOR SQUIPMENT)
60	00-BRS	Deliverable-Design assist pool sub partial design	0 days Fri 3/27/15 Fri 3/27/15	100% 12 155,72	3/27
61	00-BRS	Deliverable-Building Shallow Foundations design (including rebar & mix designs) (including the			3/27 🍫 Deliverable-Building Shallow Foundations design (including rebar & mix designs) (including the grade beams & walls as well)
		grade beams & walls as well)			
62	00-BRS	BASIC DESIGN INFO NEEDED FOR 3RD PARTY UTILITY PROVIDERS	40 days Fri 8/14/15 Fri 10/9/15	0%	8/14 🚙 BASIC DESIGN INFO NEEDED FOR 3RD PARTY UTILITY PROVIDERS
63	00-BRS	Deliverable-Gas service needs for Xcel to release them for engineering work	0 days Fri 8/14/15 Fri 8/14/15		8/14 🏚 Deliverable-Gas service needs for Xcel to release them for engineering work
64	00-BRS	Deliverable-Electrical ductbank(s)	0 days Fri 8/14/15 Fri 8/14/15		8/14 Deliverable-Electrical ductbank(s)
65	00-BRS	Deliverable-Tele/data	0 days Fri 10/9/15 Fri 10/9/15		1)9 🍫 Deliverable-Tele/data
66 67	00-BRS	Deliverable-Cable TV	0 days Fri 10/9/15 Fri 10/9/15		1)9 & Deliverable-Cable TV
6/	00-BRS	Deliverable-Xcel Energy building loads to release them for engineering work	0 days Fri 8/14/15 Fri 8/14/15	0% 50,27 259	8/14 Deliverable-Xcel Energy building loads to release them for engineering work
_	Adolfeon				07 40 45 DDELIMINADY SCHEDULE



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ID		Task Name	Duration	Start			edecessors	Successors	3rd Quart 1st Qu
68	00-BRS 00-A & P	A&P ESTIMATE ITEMS & CITY RELEASES  A&P Prepare & Distribute SD Estimate & Schedule	235 days 15 days	Mon 1/26/15	Fri 12/18/15 Fri 2/13/15	100% 6,1	0	82 70	1/26 @ A&P Propere & Distribute SD Estimate & Schedule
70	00-A & P	Team prepares & prices VE alternatives from estimate prepared from SD report	5 days		Fri 2/20/15	100% 69		11FF+50 days	2/16 I Team p:epares & prices VE alternatives from estimate prepared from SD report
71	00-A & P	A&P Prepare Initial GMP Estimate & reconcilation-3-1/2 weeks-early packge (tied to 1st City Submittal)	17 days	Mon 3/30/15	Tue 4/21/15	100% 12		114,83,72SS+4 days	3/30 a A&F Prepare Initial GMP Estimate & reconcilation-3-1/2 weeks-early packge (tied to 1st City Submittal)
72	00-A & P	A&P issue documents to subcontractors for bids & budgets after receipt of requested additional info that was not part of the 3/27 document issue	1 day	Fri 4/3/15	Fri 4/3/15	100% 71S day	SS+4 ys,54,61,60,59	73FS+6 days	4/3   A&P ssue documents to subcontractors for bids & budgets after receipt of requested additional info that was not part of the 3/27 document issue
73	00-A & P	A&P host Pre-bid meeting	1 day		Tue 4/14/15	100% 72F		74FS+3 days,14FS+2	4/14   ASP host Pre-bid meeting
74	00-A & P	A&P/PPV review quantities of exterior envelope, GSF & raise red flags to BRS	1 day		Mon 4/20/15		FS+3 days	75 76.77	4/20   A&F/PPV review quantities of exterior envelope, GSF & raise red flags to BRS
75 76	00-A & P	A&P deliver any self-performed work bids to Brett H.  A&P provide copies of sub bids to Brett H.	1 day		Tue 4/21/15 Wed 4/22/15	100% 74 100% 75		76,77 77FS+8 days	4/21   A&F, deliver any self-performed work bids to Brett H.  4/22   A&F, provide copies of sub bids to Brett H.
77	00-A & P	A&P deliver estimate to Brett H. to circulate to BRS & PPV	1 day	Tue 5/5/15			76FS+8 days	78	5/5   A&⊋ deliver estimate to Brett H. to circulate to BRS & PPV
78	00-A & P	PPV to reconcile estimates & design team to review estimate	2 days	Wed 5/6/15	Thu 5/7/15	100% 77		79FS-1 day	5/6 I PPy to reconcile estimates & design team to review estimate
79	00-BRS	BRS & design consultants provide estimate comments to A&P by noon	1 day	Thu 5/7/15		100% 78F		80FS-1 day,81	5/7   BRS & design consultants provide estimate comments to A&P by noon
80	00-A & P 00-TEAM	A&P & PPV meet & review reconciliation report & comments  A&P/Brett H./BRS/PPV meet to review estimate	1 day	Thu 5/7/15 Fri 5/8/15	Thu 5/7/15 Fri 5/8/15	100% 79F		81,18	5/7   A&P & PPV meet & review reconciliation report & comments  5/8   A&P/Brett H./BRS/PPV meet to review estimate
82	00-A & P	A&P Prepare & Distribute 100% DD Estimate & Schedule	20 days			100% 11,		111	5/11 @ A&P Prepare & Distribute 100% DD Estimate & Schedule
83	00-CACD	Negotiatate contract terms & GMP amount-A&P & Brett-4 weeks-early package	22 days	Mon 6/1/15	Tue 6/30/15		44FF,22,81,24FF	84	6/1 a Negotiatate contract terms & GMP amount A&P & Brett-4 weeks-early package
84	00-CACD	Get contract through City legal review process, to A&P for signature & into two City Council sessions-12 weeks-early package (BP #1)	59 days	Tue 6/30/15	Mon 9/21/15	18% 83		111,195SS,196SS,194 days,113SS+38	6/30 🚎 Get contract through City legal review process, to A&P for signature & into two City Council sessions-12 weeks-early package (BP #1)
85	00-CACD	Submit Form 43 (Brett)	0 davs	Tue 6/30/15	Tue 6/30/15	100%		davs.128SS+44 86	6/30 & Submit Form 43 (Brett)
86	00-CACD	Enter to PeopleSoft and Receive Requisition Number (Contracts)	2 days	Wed 7/1/15		100% 85		87	7/1 Enter to PeopleSoft and Receive Requisition Number (Contracts)
87	00-CACD	Enter info to Alfresco (Contracts)	3 days	Fri 7/3/15		100% 86		88	7/3 Enter info to Alfresco (Contracts)
88 89	00-CACD 00-CACD	PW Approval of Contract (Public Works)  Email Alfresco Number to team (Contracts)	1 day	Wed 7/8/15		100% 87 100% 88		89	7/8 FW Approval of Contract (Public Works) 7/9 Email Alfresco Number to team (Contracts)
90	00-CACD	Upload contract docs (Contracts)	1 day	Thu 7/9/15 Fri 7/10/15		100% 89		91	7/10   Uplead contract does (Contracts)
91	00-CACD	Review and Issue Draft (City Attorney)	2 days	Mon 7/13/15	Tue 7/14/15	0% 90		92	7/13 Review and Issue Draft (City Attorney)
92	00-CACD	Review draft contract (Brett)	2 days	Wed 7/15/15		0% 91		93	7/15 Review draft contract (Brett)
93 94	00-CACD 00-A & P	Issue to A&P for Signing (City Attorney)  A&P gather bonds from Willis, obtain Tom Horsting's (Senior VP's) signature & return	2 days 5 days		Mon 7/20/15 Mon 7/27/15	0% 92 0% 93		94	7/17 susue to A&P for Signing (City Attorney) 7/21 A&P gather bonds from Willis, obtain Tom Horsting's (Senior VP's) signature & return signed contract (Tom Bailey)
34	00-A & F	signed contract (Tom Bailey)	3 days	1 de 7/2 1/15	WOII 7727713	0 /0 93		50,51	//Z.1 g Azer gatien Johns from the morsuing scientific tress signed Contract (10th Jamey)
95	00-CACD	Agency Approval (Contracts)	3 days	Tue 7/28/15	Thu 7/30/15	0% 94		96,98FS+1 day	7/28 Agency Approval (Contracts)
96 97	00-CACD	Prepare Ordinance Request (Contracts/PM)	2 days		Mon 8/3/15	0% 95			7/31 Prepare Ordinance Request (Contracts/PM)
98	00-CACD 00-CACD	File Ordinance Request (Council Liason)  City Council (Mon) (Council Liason)	1 day	Tue 7/28/15 Mon 8/3/15		0% 94 0% 95F		99FS+2 days	7/28 File Ordinance Request (Council Liason) 8/3 City Council (Mon) (Council Liason)
99	00-CACD	Council Committee (Every other Wed) (Council Liason)	0 days	Wed 8/5/15				100FS+4 days	8/5 🏠 Council Committee (Every other Wed) (Council Llason)
100	00-CACD	Mayor – Council (Tues) (Council Liason)	0 days	Tue 8/11/15				101FS+2 days	8/11 Mayor - Council (Tues) (Council Liason)
101	00-CACD	File Bill w/ City Council (By Thurs Noon) (Council Liason)	0 days	Thu 8/13/15			,	102FS+2 days	8/13 © File Bill w/ City Council (By Thurs Noon) (Council Liason)
102 103	00-CACD 00-CACD	1st Reading @ City Council (Per Schedule) (Council Liason) 2nd Reading @ City Council (Council Liason)	0 days 0 days	Mon 8/17/15 Mon 8/24/15				103FS+5 days 104	8/17 1 1 Reading @ City Council (Per Schedule) (Council Liason) 8/24 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
104	00-CACD	File (City Recorder)	4 days	Tue 8/25/15		0% 103	,	105	8/23 T File (City Recorder)
105	00-CACD	Obtain Mayor's Signature – In (Mayor's Office)	3 days	Mon 8/31/15		0% 104		106	8/호 1 Obtain Mayor's Signature - in (Mayor's Office)
106 107	00-CACD	Obtain Mayor's Signature – Out (Mayor's Office)  Obtain Auditor's Signature – In (City Auditor)	6 days	Thu 9/3/15 Fri 9/11/15		0% 105 0% 106		107	9:3 Obtain Mayor's Signature – Out (Mayor's Office)
107	00-CACD	Obtain Auditor's Signature – In (City Auditor)  Obtain Auditor's Signature – Out (City Auditor)	1 day 5 days	Mon 9/14/15		0% 100		109FS+1 day	9/34   Obtain Auditor's Signature – In (City Auditor)  9/34   Obtain Auditor's Signature – Out (City Auditor)
109	00-CACD	City Issue NTP to A&P (Contracts)	0 days		Mon 9/21/15	0% 108	BFS+1 day	111	9/21 ♦ City Issue NTP to A&P (Contracts)
110	00-A & P	Final GMP Estimate & reconcilation-5 weeks (based on permit set of CD's) - one week past point of BRS putting pencils down on the "for construction" set to finalize any last minute cost details for the GMP	25 days	Mon 8/17/15	Fri 9/18/15	0% 27		115,151	8/1E Final GMP Estimate & reconcilation-5 weeks (based on permit set of CD's) - one week past point of BRS putting pencils down on the "for construction" set to finalize any last minute cost details for the GMP
111	00-CACD M/S	City Notice to Proceed to A&P-Early package	0 days	Mon 9/21/15	Mon 9/21/15	0% 50,	84,82,109	189,114,137,156,145,2	9/21 ♠ City Notice to Proceed to A&P-Early package
112	00-A & P	Bid-civil, deep foundations & sanitary/storm/water utilities work	10 days	Mon 3/30/15	Fri 4/10/15	100% 52,	53,55,56,57,58	113	3/30 ♠ Bid-Eivil, deep foundations & sanitary/storm/water utilities work
113	00-A & P	Review Bids, Interview Subs & Award-civil & deep foundations work	2 days		Tue 8/25/15			114,125,130,131,132	8/23 g Review Bids, Interview Subs & Award-civil & deep foundations work
114	00-A & P 00-CACD	Submittals & critical approvals-civil & deep foundations work  Negotiatate contract & City Council-2 weeks-Overall GMP Contract	8 days	Tue 9/22/15 Mon 9/21/15	Thu 10/1/15	0% 71, 0% 110		204 116,151	9:22 \$ Submittals & critical approvals-civil & deep foundations work 9:21 \$\text{ Negotiatate contract & City Council-2 weeks-Overall GMP Contract}
116	00-CACD	Get contract into two City Council sessions-9 weeks-Overall GMP Contract			Fri 12/18/15		5,32FF+35 days		13/19 Cet contract into two City Council sessions-9 weeks-Overall GMP Contract
117	00-CACD	Full Notice to Proceed on Overall GMP Contract	0 days	Fri 12/18/15	Fri 12/18/15	0% 116	3,31,32	120,160,159,161,162,	12/18 🎄 Full Notice to Proceed on Overall GMP Contract
118	00-BRS	OTHER POTENTIAL GOOD OPTIONS FOR AN EARLY PACKAGE	90 days	Fri 8/14/15	Fri 12/18/15	0%			8/14. OTHER POTENTIAL GOOD OPTIONS FOR AN EARLY PACKAGE
119	00-BRS	Deliverable-Pool shell design (enough info to put in with building foundations)	0 days	Fri 8/14/15		0% 11,		299	8/14 🔈 Deliverable-Pool shell design (enough info to put in with building foundations)
120	00-BRS	Deliverable-Elevator design	0 days		Fri 12/18/15	0% 11,		139	12/18 🏟 Deliverable-Elevator design
121	00-BRS 00-BRS	Deliverable-Steel Release for Shop Drawing Preparation Deliverable-Release Joists & Deck for Shop Drawing Preparation			Mon 9/21/15 Mon 9/21/15	0% 11,: 0% 11,:		147	9/21 ♦ Deliverable-Steel Release for Shop Drawing Preparation 9/21 ♦ Deliverable-Release Joists & Deck for Shop Drawing Preparation
123	02-SUBS	CRITICAL SUBMITTALS, APPROVALS & LONG LEAD ITEMS	315 days	Mon 3/30/15	Fri 6/10/16	6%			3/30 CRITICAL SUBMITTALS, APPROVALS & LONG LEAD ITEMS
124	02-SUBS	CRITICAL SUBMITTALS, APPROVALS & LONG LEAD ITEMS	- 1	Mon 3/30/15		6%			3/30 CRITICAL SUBMITTALS, APPROVALS & LONG LEAD ITEMS
125	02-SUBS	Soil Nailing Engineering & Submittal Package Preparation-Soil nail sub needs 2 sets of stamped drawings, 1 set of stamped calculations, 1 wet stamped site survey & 1 wet stamped geotechnical report to complete their process for submission	10 days		Mon 10/5/15	0% 113		281,126	9:22 of Soil Nailing Engineering & Submittal Package Preparation-Soil nail sub needs 2 sets of stamped drawings, 1 set of stamped calculations, 1 wet stamped site survey & 1 wet stamped geotechnical report to complete their process for submission
126	02-SUBS	Soil nail permit application review period	20 days		Mon 11/2/15	0% 125		275	Old Soil nail permit application review period
127	00-A & P	A&P Prepare Application & Submit for APEN Dust Control Permit (Application submission serves as release to proceed)	5 days	i ue 9/8/15	Mon 9/14/15	0% 50,	84SS+49 days	189,281	98 A&P Prepare Application & Submit for APEN Dust Control Permit (Application submission serves as release to proceed)
128	00-A & P	Crestone prepare SWMP Plan	5 days	Tue 9/1/15	Mon 9/7/15	0% 46,	84SS+44 days	129	9:1   Crestone prepare SWMP Plan
129	00-AHJ	CDPHE Review of SWMP Plan & Issue Stormwater Management Permit	10 days	Tue 9/8/15		0% 128		204,268	98 Q CDPHE Review of SWMP Plan & Issue Stormwater Management Permit
130	02-SUBS	Site Utilities Submittals & Approvals (Sanitary, Storm & Water)  Drilled Pier Concrete Mix Designs Submittals & Approvals	15 days 10 days	Tue 9/15/15	Mon 10/5/15 Mon 10/5/15	0% 113 0% 113	3,84SS+54 days	204,226,233	9/35 Constitutifities Submittals & Approvals (Sanitary, Storm & Water) 9/32 Confiled Pier Concrete Mix Designs Submittals & Approvals
131	02-SUBS 02-SUBS	Drilled Pier Concrete Mix Designs Submittals & Approvals  Drilled Pier Reinforcing Submittals & Approvals	10 days		Mon 10/5/15 Mon 10/5/15	0% 113		133,268	9:22 © Drilled Pier Concrete Mix Designs Submittals & Approvals  9:22 © Drilled Pier Reinforcing Submittals & Approvals
133	02-SUBS	Drilled Pier Reinforcing Fabrication (straight bars & hoops)	5 days		Mon 10/12/15	0% 132	2	134,268	0/6   Drilled Pier Reinforcing Fabrication (straight bars & hoops)
134	02-SUBS	Drilled Pier Reinforcing Tie Cages on Site	-		Mon 10/26/15	0% 131		268	19/13 @ Drilled Pier Reinforcing Tie Cages on Site
135 136	02-SUBS 02-SUBS	Obtain pricing from vendors on PDU unit  Pool Dehumidification Unit Purchase Order Issued by A&P after reconciling pricing	18 days 3 days		Wed 4/22/15 Thu 9/24/15	100% 59 0% 135		136 137	3/30 Detain pricing from vendors on PDU unit 9:22 7 Pool Dehumidification Unit Purchase Order Issued by A&P after reconciling pricing
137	02-SUBS	Pool Dehumidification Unit Prepare Submittals & Process Submittals	25 days		Thu 10/29/15	0% 136		138	9:25 Pool Dehumidification Unit Prepare Submittals & Process Submittals
138	02-SUBS	Pool Dehumidification Unit Fabrication (assign PO to sucessful mechanical sub)	90 days		Thu 3/3/16	0% 137		684,683FS-4 days	0/30 Pool Dehumidification Unit Fabrication (assign PO to sucessful mechanical sub)
139	00-A & P	Obtain pricing from subs on Elevators	10 days	Mon 12/21/15	Fri 1/1/16	0% 120	0	140	12/21 Obtain pricing from subs on Elevators
OV	Adolfson								07-10-15 PRELIMINARY SCHEDULE



BARKER RII	IKER SEACA	T ARCHITECTURE						HIBIT PROJECT SCHEDULE TRAL DENVER RECREATION CENTER	R / DENVER PARKS & RECREATION DISTRICT
ID   F	ESP LEST	DN Task Name	Duration	Start	Finish	% Comp Predecessors	Successors		st Quart   3rd Quart   1st Quart   3rd Quart   1st
140	00-A & P	Elevator Subcontract Issued by A&P after reconciling pricing (usually significant changes on	5 days		F=: 1/0/16	70 COMP 1 TOUCOCCOOLS	141	3rd Quart   1st Quart   3rd Qu	nMa a Jul e o JanMa a Jul e o JanM
140	00-A & F	agreement formats)	3 days	WIGH 1/4/10	111 1/0/10	0 /6 139	141	1.4 Let all discontinuo assessa y Aut. all discontinuo princing (assem) significant continuo y in a feeting from the continuo y in a	
141	02-SUBS	Elevator Prepare Submittals	30 days	Mon 1/11/16	Fri 2/19/16	0% 140	142	1/11 P Elevator Prepare Submittals	
142	02-SUBS	Elevator Fabrication	80 days		Fri 6/10/16	0% 141	624	2/22 Elevator Fabrication	
143	00-A & P	Obtain pricing from subs on shallow foundation work	18 days		Wed 4/22/15	100% 61	144	3/30 @ Obtain pricing from subs on shallow foundation work	
144	00-A & P	Shallow foundation contract Issued by A&P after reconciling pricing	3 days		Thu 9/24/15	0% 143,111	145	9:22 I Shallow foundation contract Issued by A&P after reconciling pricing	
145	00-A & P 02-SUBS	Shallow Foundations Submittals & Approvals-mix designs & rebar  Shallow Foundations-Fab & Deliver Rebar	10 days		Thu 10/8/15 Thu 10/15/15	0% 144,111 0% 145	146 286	9:25 () Shallow Foundations Submittals & Approvals-mix designs & rebar	
147	02-SUBS	Obtain pricing from subs on Steel, Joists & Deck	5 days 13 days		Thu 10/15/15	0% 121,122	151	9:22 Obtain pricing from subs on Steel, Joist & Deck	
148	02-SUBS	Prepare steel erection drawing submittal (for anchor bolts & embeds) (linked to reconciling the		Thu 10/15/15		0% 111,151	149	13/15 @ Prepare steel erection drawing submittal (for anchor bolts & embeds) (linked to reconciling the final GMP number prior to submission to City Council)	
		final GMP number prior to submission to City Council)							
149	02-SUBS	Approve steel erection drawing submittal (for anchor bolts & embeds)	12 days	Tue 11/10/15	Wed 11/25/15	0% 148	150	11/10 @ Approve steel erection drawing submittal (for anchor bolts & embeds)	
150	02-SUBS	Fab & deliver anchor bolts & embeds (linked to full release on final GMP)		Mon 12/21/15		0% 149,117	294	12/21 of Fab & deliver anchor bolts & embeds (linked to full release on final GMP)	
151	00-A & P	Steel, Joist & Deck contract Issued by A&P after reconciling pricing	4 days		Wed 10/14/15	0% 147,110,115	152,148	09   Steel, Joist & Deck contract Issued by A&P after reconciling pricing	
152 153	02-SUBS	Steel, Joists & Deck Shop Drawing Preparation (initial submissions)	,	Thu 10/15/15		0% 151	153	1)/15 a Steel, Joists & Deck Shop Drawing Preparation (initial submissions)	
153	02-SUBS 02-SUBS	Steel, Joists & Deck Shop Drawing Approvals (initial submissions)  Steel, Joists & Deck Fabrication & Initial Deliveries Commence		Thu 11/19/15 Thu 12/10/15		0% 152 0% 153	357	11/19 Gasteel, Joists & Deck Shop Drawing Approvals (initial submissions)  12/10 Steel, Joists & Deck Fabrication & Initial Deliveries Commence	
155	02-30B3	Obtain pricing from subs on Pool DD Design		Mon 3/30/15		100% 60	156	3/30 @ Obtain pricing from subs on Pool DD Design	
156	00-A & P	Pool design assist contract Issued by A&P after reconciling pricing	5 days			0% 155,111	157	9:22   Pool design assist contract Issued by A&P after reconciling pricing	
157	02-SUBS	Design-assist pool sub-completion of design & submittals	52 days		Wed 12/9/15	0% 156	158	9:29 Design-assist pool sub-completion of design & submittals	
158	02-SUBS	Design-assist pool sub-submittal reviews	15 days		Wed 12/30/15	0% 157	159,160,161,162	12/10 @ Design-assist pool sub-submittal reviews	
159	02-SUBS	Long lead pool equipment fabrication-filtration, heating & circulation items	50 days	Thu 12/31/15	Wed 3/9/16	0% 158,117	485	12/31 Long lead pool equipment fabrication-filtration, heating & circulation items	
160	02-SUBS	Long lead pool equipment fabrication-deck furnishings	, .			0% 158,117	584,616	12/31 Long lead pool equipment fabrication-deck furnishings	
161	02-SUBS	Long lead pool equipment fabrication-Play features		Thu 12/31/15		0% 158,117	614	12/31 Long lead pool equipment fabrication-Play features	
162	02-SUBS	Long lead pool equipment fabrication-Slides		Thu 12/31/15		0% 158,117	602	12/31 Long lead pool equipment fabrication-Slides	
163 164	00-A & P 02-SUBS	Award electrical subcontract		Mon 12/21/15		0% 117 0% 163	164,261	12/21 F Award electrical subcontract	
164	02-SUBS 02-SUBS	Prepare generator submittals  Process generator submittals	25 days 10 days	Thu 12/24/15 Thu 1/28/16		0% 163	166	12/24 Prepare generator submittals  1/26 Process generator submittals	
166	02-SUBS	Fabricate & deliver generator & ATS	65 days		Wed 5/11/16	0% 165	694	2/11 Fabricate & deliver generator & ATS	
167	02-SUBS	PERMITTING PROCESS		Wed 6/17/15		12%		6/17 DEPENIITING PROCESS	
168	02-SUBS	Phase One Construction Permit Submittals	42 days	Wed 6/17/15	Thu 8/13/15	29%		6/17 Phase One Construction Permit Submittals	
169	00-AHJ	Phase One Permit Review City & County Of Denver	15 days		Wed 7/22/15	60% 47	170	6/17 @ Phase One Permit Review City & County Of Denver	
170	00-AHJ	Phase One Permit Review Comments CCD	3 days	Thu 7/23/15	Mon 7/27/15	0% 169	171	7/23 Phase One Permit Review Comments CCD	
171	00-BRS	Phase One Review Question Replys	5 days	Tue 7/28/15	Mon 8/3/15	0% 170	172	7/28 Phase One Review Question Replys	
172	00-AHJ	Phase One Permit Replys Reviewed	5 days		Mon 8/10/15	0% 171	173	8/4 Phase One Permit Replys Reviewed	
173	00-AHJ	Phase One Permits Issued	3 days		Thu 8/13/15	0% 172	189,268,200	8/1f: Phase One Permits Issued	
174 175	02-SUBS 00-BRS	Phase Two Construction Permit Submittals	42 days		Tue 10/13/15	0%	176	8/17 Phase Two Construction Permit Submittals 8/16 Toesign Team Submitts For Phase Two Building Permits MEP & General	
175	00-BRS	Design Team Submits For Phase Two Building Permits MEP & General  City & County Of Denver & Fire Dept. Issues Review Comments on Phase Two	3 days 20 days			0% 27 0% 175	176	8/26 a City & County Of Denver & Fire Dept. Issues Review Comments on Phase Two Submission	
	00 0/102	Submission	20 00,0	1110 0/20/10	1100 0/10/10	0.0110			
177	00-BRS	Design Team Replys To City & County Of Denver & Denver Fire Department on Phase	10 days	Thu 9/17/15	Wed 9/30/15	0% 176	178	997 ♀ Design Team Replys To City & County Of Denver & Denver Fire Department on Phase Two Submission	
		Two Submission							
178 179	00-CACD	City & County OF Denver Recieves Design Replys on Phase Two Submission Final Review Of Phase Two Construction Documents		Wed 9/30/15		0% 177 0% 178	179	9/30 ♦ City & County OF Denver Recieves Design Replys on Phase Two Submission	
180	00-CACD	Phase Two Permits Issued	8 days	Thu 10/1/15 Tue 10/13/15		0% 178	180	19/13   Phase Two Permits Issued	
181	02-SUBS	CONSTRUCTION PHASE	458 days			0%	20.	8/17 CONSTRUCTION PHASE	
182	02-SUBS		337 davs	Tue 12/1/15	Wed 2/45/47	0%		12/1 MILESTONE LEVEL CONSTRUCTION TIMELINES	
183	02-30B3	MILESTONE LEVEL CONSTRUCTION TIMELINES  CONSTRUCTION PHASE (GLOBAL TIMELINES & CRITICAL MILESTONES)	337 days		Wed 3/15/17	***		12/1 CONSTRUCTION PHASE (GLOBAL TIMELINES & CRITICAL MILESTONES)	
184	00-A & P	Winter 2015 to 2016	76 days			0%	185FS+186 days,24		
185	00-A & P	Winter 2013 to 2010  Winter 2016 to 2017	75 days			0% 184FS+186 days	996,981,987,975,97		
186	02-SUBS	INITIAL CIVIL, SITE UTILITIES & SITEWORK	, .	Mon 8/17/15		0%		8/17 INITIAL CIVIL, SITE UTILITIES & SITEWORK	
187	02-SUBS	BUILDING PAD INSTALL	33 days	Mon 8/24/15	Wed 10/7/15	0%		8/24 GPUID BUILDING PAD INSTALL	
188	02-SUBS	SITE CLEARING & PAD PREP	12 days			0%		9/22 TIFE CLEARING & PAD PREP	
189	02-SUBS	Demo Site Area	5 days		Mon 9/28/15		191	9:22   Demo Site Area	
190	00-CACD	B-Cycle relocate B-Cycle Station on Colfax to new location	3 days		Thu 9/24/15	0% 111	192	9:22 I B-Cycle relocate B-Cycle Station on Colfax to new location	
191	02-SUBS	Building Pad Clear & Prep	5 days		Mon 10/5/15		192,276	929 Building Pad Clear & Prep	
192	02-SUBS	Layout Building	2 days			0% 191,190	268	€06 I Layout Building	
193	02-SUBS	INITIAL SITEWORK	24 days			0%		8/24 COUNTIAL SITEWORK	
194	00-A & P	Design Row Traffic Control Plans For ROW Permit Work		Mon 8/24/15		0% 84SS+38 days	195	8/23 I Design Row Traffic Control Plans For ROW Permit Work	
195 196	00-A & P	Obtain ROW Permits CCD  Meet With CCD Public Works To Review Site Utilities Construction Prior To Start	10 days		Thu 9/10/15	0% 194,84SS	196	8/23 Q Obtain ROW Permits CCD	
196	00-A & P	Meet With CCD Public Works To Review Site Utilities Construction Prior To Start  SITE UTILITIES	10 days	Fri 9/11/15 Mon 8/17/15	Thu 9/24/15	0% 195,84SS	200,209	9/1 0 Meet With CCD Public Works To Review Site Utilities Construction Prior To Start 8/17: SITE UTILITIES	
197	02-SUBS	LAYOUT SITE UTILITIES	5 days			0%		9/52 LAYOUT SITE UTILITIES	
198	02-SUBS	Layout Water Line & Fire Hydrant At Colfax & Josephine	5 days			0% 111	201,226,210,200	9/22   Layout Water Line & Fire Hydrant At Colfax & Josephine	
200	02-SUBS	Layout Sanitary Sewer At West end of Site on Colfax	1 day			0% 196,209,111,173,19		9:28 Layout smith a rine ryunant a Consa Colosymine 9:28 Layout smithy Sewer At West end of Site on Colfax	
201	02-SUBS	Layout Storm Drainage and Detention Chambers		Wed 9/23/15		0% 199	204,255,258,260,25		
202	02-SUBS	INSTALL SITE UTILITIES	371 days			0%		8/17 NISTALL SITE UTILITIES	
203	02-SUBS	Install Sewer	108 days	Tue 10/6/15	Thu 3/3/16	0%		106 🕶 Install Sower	
204	02-SUBS	Install Sanitary Sewer Stub At West Colfax (about 13' down at deepest point)	2 days			0% 201,130,129,114,21	1 ' '	0/6 I Install Sanitary Sewer Stub At West Colfax (about 13' down at deepest point)	
205	02-SUBS	Repair Side Walk & Gutter from Sanitary Sewer Stub into site		Thu 10/8/15		0% 204	206SS+1 day	608 I Repair Side Walk & Gutter from Sanitary Sewer Stub into site	
206	02-SUBS	Patch Pavement At West Colfax from Sanitary Sewer Stub into site		Fri 10/9/15		0% 205SS+1 day	226,268	09 I Patch Pavement At West Colfax from Sanitary Sever Stub into site	
207	02-SUBS	Bring sanitary stub from Colfax to within 5' of building foundation for plumbing sub to pick up (after foundation walls are constructed)	1 day	Thu 3/3/16	Thu 3/3/16	0% 204,335SS,231	340	3/3   Bring sanitary stub from Colfax to within 5' of building foundation for plumbing sub to pick up (after foundation walls are constructed)	
208	02-SUBS	Water Lines	116 days	Wed 9/23/15	Wed 3/2/16	0%		9/£3 Water Lines	
209	02-SUBS	Barricades, signage, message boards & Lane(s) closure at Colfax for street work	1 day				200	9:25   Barricades, signage, message boards & Lane(s) closure at Colfax for street work	
210	02-SUBS	Install Colfax disconnect Valve #1 from the east end of site (use trench boxes,	·	Wed 9/23/15		0% 199	227,211SS,212	9:23   Install Colfax disconnect Valve #1 from the east end of site (use trench boxes, hydraulic bracing, and/or vaccuum excavation work as needed to work around existing utilites, typical for all street utility work)	
		hydraulic bracing, and/or vaccuum excavation work as needed to work around existing utilites, typical for all street utility work)							
211	02-SUBS 02-SUBS	Install Colfax disconnect Valve #2 from the east end of site Install Colfax disconnect Valve #3 from the east end of site		Wed 9/23/15 Thu 9/24/15		0% 210SS 0% 210,211	212 213SS,214	9:23   Install Colfax disconnect Valve #2 from the east end of site 9:24   Install Colfax disconnect Valve #3 from the east end of site	
212	02-SUBS	Install Colfax disconnect Valve #3 from the east end of site	1 1	Thu 9/24/15			21355,214	9:24   Install Colfax disconnect Valve #3 from the east end of site	



02-SUBS

Install Colfax disconnect Valve #3 from the east end of site Install Colfax disconnect Valve #4 from the east end of site Install Colfax disconnect Valve #5 from the east end of site

9:24 Install Colfax disconnect Valve #3 from the east end of site
9:24 Install Colfax disconnect Valve #4 from the east end of site
9:25 | Install Colfax disconnect Valve #5 from the east end of site

1 day Thu 9/24/15 Thu 9/24/15
1 day Thu 9/24/15 Thu 9/24/15
1 day Fri 9/25/15 Fri 9/25/15

0% 210,211 0% 212SS

0% 212,213

214

227,215

BARK	ER RINKER	SEACAT ARCHITECTU	RE						XHIBIT																							CITY AN	ID COUNT	TY OF DE	ENVER / DE	NVER PA	RKS & RE	CREATION	ION DIST
								CEI	NTRAL I																														
ID	RESP	ESTON Task Name		Duration	Start	Finish	% Comp Predecessors	Successors	3rd Qua	rt 1st Quart	3rd Quart	t 1st Qua	art 3rd Q	uart 1st	t Quart	3rd Quart	1st Quar	t 3rd Qu	art 1st C	Quart 3r	rd Quart 1	st Quarte	rd Quart	1st Quart	3rd Quart	1st Quar	t 3rd Qu	art 1st Qu	uart 3rd	Quart 1s	Quart 3	rd Quart	1st Quart	3rd Qu	art 1st Qu	art 3rd C	uart 1st	Quart 3	3rd Quar
15	02-SI	JBS	Stub water line into site to hydrant farthest east in Colfax from disconnect Valve #1 from east end of site	1 day	Mon 9/28/15	Mon 9/28/15	0% 214	216,231	Jul e I	o JanMa a	9 28   Stul	ub water li	ine into s	ite to hyd	Ma   a   drant fai	thest east	JanMa   a	a  Jul   e from dis	connect \	a   a  Ju Valve #1	from east	end of site	ullelo	JanMa   a	Juli e i c	JanMa	a Jul e	o JanMa	i a Jul	e o Jar	Ma   a  Ji	ul   e   o	JanMa   a	Jul e	o JanMa	a Jul e	o Jank	la a Ju	ul e c
16	02-SI	JBS	Stub 1-1/2" water line into site for future retail building disconnect Valve #1 from the east end of site	1 day	Tue 9/29/15	Tue 9/29/15	0% 215	217			9 29   Stu	ub 1-1/2" v	water line	into site	e for futu	ıre retail b	uilding di	sconnec	t Valve #1	from the	e east end	of site											İ						
17	02-SI	JBS	Stub 4" fire line into site for future retail building from disconnect Valve #2 from east end of site	2 days	Wed 9/30/15	Thu 10/1/15	0% 216	218			9 30 T Stu	ub 4" fire	line into s	site for fu	uture ret	ail building	g from dis	sconnect	Valve #2	from eas	st end of s	te											ĺ						
18	02-SI	JBS	Stub 6" water line into site from disconnect Valve #3 from the east end of site	2 days	Fri 10/2/15	Mon 10/5/15	0% 217	219,204			10/2   Stu	: ub 6" wate	: ter line int	: to site fro	: om disco	onnect Val	: lve #3 fron	n the eas	: t end of s	ite													Í						
219	02-SI	JBS	Stub water line into site to west hydrant in Colfax from disconnect Valve #4 from east end of site	1 day	Thu 10/8/15	Thu 10/8/15	0% 218,204	220,231			0/8   Stu	ub water l	line into s	site to we	est hydr	ant in Colf	ax from d	lisconnec	t Valve #4	4 from ea	ast end of	site																	
220	02-SI	JBS	Stub 8" PVC line from Colfax main to starting point in Josephine from disconnect Valve #5 from east end of site	1 day	Fri 10/9/15	Fri 10/9/15	0% 219	224,221			-0/9   Stu	ub 8" PVC	C line fror	m Colfax	main to	starting p	oint in Jo	sephine	from disc	onnect \	Valve #5 fr	om east er	d of site																
221	02-SI	JBS	Patch Side Walk & Gutter at Colfax	2 days	Mon 10/12/15	Tue 10/13/15	0% 220	222	-		19/12 T Pat	tch Side	Walk & G	: Sutter at 0	Colfax																		į						
222	02-SI	JBS	Patch Paving At East Colfax Avenue	1 day \	Wed 10/14/15	Wed 10/14/15	0% 221	223			19/14   Pa	atch Pavir	ng At Eas	t Colfax	Avenue																		į						
223	02-SI	JBS M/S	Open Colfax lane(s) that were closed for utility installation	0 days \	Wed 10/14/15	Wed 10/14/15	0% 222	268			10 14 🔷 O	Open Colfa	fax lane(s)	that wer	re close	d for utility	y installat	ion															1						
124	00.01	IDC M/C	Class Isosphine to all troffic 9 detaux around site	0.4	E-1.40/0/45	E=: 40/0/45	00/ 220	005			13/9 A CI	loco loco	anhina ta	all traffic	n & data	ur around	eito					1											£						

215	02-SUBS		Stub water line into site to hydrant farthest east in Colfax from disconnect Valve #1	1 day	Mon 9/28/15	Mon 9/28/15	00/	214	216,231
215	02-5065		from east end of site	1 day	WOII 9/26/15	WOT 9/26/15	0%	214	210,231
216	02-SUBS	_	Stub 1-1/2" water line into site for future retail building disconnect Valve #1 from the	1 day	Tue 9/29/15	Tue 9/29/15	0%	215	217
210	02-3063		east end of site	i uay	100 9/29/15	Tue 9/29/15	0 /6	215	217
217	02 CLIDE		Chile 48 fire line into site for future ratell building from diagonaget Value #2 from aget	2 days	Wed 9/30/15	Th.: 40/4/45	00/	246	240
217	02-SUBS		Stub 4" fire line into site for future retail building from disconnect Valve #2 from east end of site	2 days	Wed 9/30/15	Thu 10/1/15	0%	216	218
218	02-SUBS		Stub 6" water line into site from disconnect Valve #3 from the east end of site	2 days	Fri 10/2/15	Mon 10/5/15	0%	217	219,204
219	02-SUBS		Stub water line into site to west hydrant in Colfax from disconnect Valve #4 from east	1 day	Thu 10/8/15	Thu 10/8/15	0%	218,204	220,231
			end of site						
220	02-SUBS		Stub 8" PVC line from Colfax main to starting point in Josephine from disconnect	1 day	Fri 10/9/15	Fri 10/9/15	0%	219	224,221
			Valve #5 from east end of site	•					
221	02-SUBS	_	Patch Side Walk & Gutter at Colfax	2 days	Mon 10/12/15	Tue 10/13/15	0.0%	220	222
				-					
222	02-SUBS		Patch Paving At East Colfax Avenue	1 day				221	223
223	02-SUBS	M/S	Open Colfax lane(s) that were closed for utility installation	0 days		Wed 10/14/15	0%	222	268
224	02-SUBS	M/S	Close Josephine to all traffic & detour around site	0 days	Fri 10/9/15	Fri 10/9/15	0%	220	225
225	02-SUBS		Installl new water line from north Josephine down to intersection in Colfax through	4 days	Mon 10/12/15	Thu 10/15/15	0%	224	226
			middle of road (about 323 feet of pipe with about 100' per day of production)						
226	02-SUBS		Install 3" water Line, 8" x 4" tapping saddle, fire hydrant & line and 8" concrete plug At	1 day	Fri 10/16/15	Fri 10/16/15	0%	206,199,130,225	227.228.230
			North Josephine	,					
227	02-SUBS	_	Patch Side Walk & Gutter at Josephine	1 day	Mon 10/19/15	Mon 10/19/15	00/	214,226,210	228
			·						
228	02-SUBS		Backfill & Patch Paving At N Josephine	1 day	Tue 10/20/15	Tue 10/20/15		227,226	233,268,229
229	02-SUBS	M/S	Open Josephine back for all traffic	0 days	Tue 10/20/15	Tue 10/20/15	0%	228	268
230	02-SUBS		Bring fire lines & domestic lines in from stubs in Colfax & Josephine to first flange	3 days	Thu 2/25/16	Mon 2/29/16	0%	226,335SS	231
			inside building for sprinkler sub & plumbing sub to connect to (after foundation walls are constructed)						
			are constructed)						
231	02-SUBS		Complete the installation of the two fire hydrants along Colfax (after foundation walls	2 days	Tue 3/1/16	Wed 3/2/16	0%	230,215,219	207
			are constructed)		''			' ' '	
232	02-SUBS	-	Storm Drainage & Storm Tech Chambers & Detention	324 days	Wed 10/21/15	Mon 1/16/17	0%		
	02-SUBS			-					224
233	UZ-SUBS		Storm Drain Tap Into Existing Storm Drain Inlet 16th Ave (limited to one pipe crew from chosen sub, so prioritized Colfax & Josephine ROW work and then folllowed	2 days	Wed 10/21/15	Thu 10/22/15	0%	228,130	234
			with storm work. If 2nd pipe crew becomes available, could go concurrent with water						
			line work)						
234	02-SUBS		StormTech Outlet From Storm Drain To Storm Tech Chambers Detention	1 day	Fri 10/23/15	Fri 10/23/15	0%	233	235
235	02-SUBS		Excavate & Install StormTech Chambers for water quality detention system	10 days	Mon 10/26/15	Fri 11/6/15	0%	234	236
236	02-SUBS		Install Site Storm Drainage Lines & Inlets (other than rain garden lines & perimeter	7 days				235	241,268,238
			drains)	,.					,,
237	02-SUBS	_	Porimeter drain (prior to backfill) (if ground in frozon, whit a few weeks to perform world	5 days	Thu 2/18/16	Wed 2/24/16	00/	294	335
231	02-5065		Perimeter drain (prior to backfill) (if ground is frozen, wait a few weeks to perform work in Spring)	5 days	111u 2/10/10	Wed 2/24/16	076	294	335
238	02-SUBS		Landscape drains & inlets (after building backfill)	8 days	Tue 1/3/17	Thu 1/12/17	0%	236,338,973SS+5	985
								days	
239	02-SUBS		Rain garden drains (after backfill & overlot grading)	10 days	Tue 1/3/17	Mon 1/16/17	0%	338,973SS+5 days	985
240	02-SUBS		Parking Lot Construction (initial work is encroaching into winter now)	77 days	Mon 12/21/15	Tue 4/5/16	0%		
241	02-SUBS	_	Layout Curb & Gutter	5 days		Fri 12/25/15		236,117	242SS+1 day,243,244
242	02-SUBS	_	Install Site Electrical Underground	10 days		Mon 1/4/16		241SS+1 day	243SS,245
				,					
243	02-SUBS		Install Irrigation Sleeves Parking Lot	10 days		Fri 1/8/16		241,242SS	245
244	02-SUBS		Fine Grade For Curb & Gutter (tasks from here forward are weather dependent and	8 days	Tue 12/22/15	Thu 12/31/15	0%	241SS+1 day	245SS+1 day,246
			may slide closer to spring)						
245	02-SUBS		Form, Pour & Finish Curb & Gutter	10 days	Mon 1/11/16	Fri 1/22/16	0%	242,243,244SS+1 da	246SS+10 days,247
246	02-SUBS		Prep, Form & Pour Street Access Crosspans	15 days	Mon 1/25/16	Fri 2/12/16	0%	245SS+10 days,244	251
247	02-SUBS		Install Site Lighting Bases	8 days	Mon 1/25/16	Wed 2/3/16	0%	245	248SS+4 days,249
248	02-SUBS	-	Fine Grade Parking Lot	3 days		Tue 2/2/16		247SS+4 days	249
			-	-					
249	02-SUBS		Install First Lift Of Asphalt Paving (move to spring as asphalt plants would be closed in winter)	5 days	Wed 3/16/16	Tue 3/22/16	0%	248,247,184	250
			· ·						
250	02-SUBS		Back Up C&G At Parking Lot	5 days	Wed 3/23/16	Tue 3/29/16	0%	249	252
251	02-SUBS		Prep, Form & Place Sidewalks At ROW	12 days	Mon 2/15/16	Tue 3/1/16	0%	246	252
252	02-SUBS		Patch Asphalt / Concrete At ROW To Existing Street Tie-Ins	5 days	Wed 3/30/16	Tue 4/5/16	0%	251,250	971
253	02-SUBS	-	3rd Party Utility Work	113 days	Mon 8/17/15	Wed 1/20/16	0%		
									255
254	02-XCEL ENERGY		Gas service engineering by Xcel	20 days		Fri 9/11/15		63	255
255	02-XCEL ENERGY		Xcel subcontractor(s) install gas service	10 days		Thu 10/8/15		201,254	527,357
256	02-SUBS		Tele/data & Cable TV two empty 4" conduit installation by A&P's electrical sub	10 days	Mon 10/12/15	Fri 10/23/15	0%	201,65,66	257,258
257	00-CACD		Tele/data Fiber service feeds to building by CCD (or their chosen provider)	10 days		Fri 11/6/15		201,256	527,357,524,523,522
258	02-CENTURY	_	Cable TV service feeds to building by Century Link	10 days		Fri 11/6/15		201,256	527,357
259	02-XCEL ENERGY	-	Xcel Energy engineering work for electrical service	40 days		Fri 10/9/15		67	260
				-					
260	02-XCEL ENERGY		Xcel subcontractor(s) install electrical to transformer & set transformer	15 days		Fri 10/30/15		259,201	261SS+5 days,519,35
261	02-SUBS		Electrical ductbank/concrete encasement installation by electrical sub	10 days		Wed 1/6/16		64,260SS+5 days,16	
262	02-SUBS		Pull electrical feeders from transformer to electrical rm	10 days	Thu 1/7/16	Wed 1/20/16	0%	261	518,336
263	02-SUBS		BUILDING CONSTRUCTION	389 days	Tue 9/22/15	Fri 3/17/17	0%		
			FOUNDATIONS & SUBSTRUCTURE	-					
	02-SUBS			271 days	Tue 9/22/15	Tue 10/4/16	0%		
264			BUILDING DEEP FOUNDATION SYSTEM (middle to later stages of this process at risk	190 days	Tue 9/22/15	Mon 6/13/16	0%		
264	02-SUBS		of going into winter conditions)						
	02-SUBS							111	267
	02-SUBS 00-AHJ		Dewatering permitting application & review process with City & State	15 days	Tue 9/22/15	Mon 10/12/15	0%	1111	
265		M/S	7					266	276
265 266 267	00-AHJ 00-AHJ	M/S	Dewatering permit received	0 days	Mon 10/12/15	Mon 10/12/15	0%	266	
265 266	00-AHJ	M/S	Dewatering permit received  Deep Foundation installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril)		Mon 10/12/15	Mon 10/12/15	0%		
265 266 267	00-AHJ 00-AHJ	M/S	Dewatering permit received	0 days	Mon 10/12/15	Mon 10/12/15	0%	266	
265 266 267 268	00-AHJ 00-AHJ 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Drill Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers	0 days 4 days	Mon 10/12/15 Wed 11/18/15	Mon 10/12/15 Mon 11/23/15	0%	266 173,132,133,134,192	2,280,269,270
265 266 267	00-AHJ 00-AHJ	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers	0 days	Mon 10/12/15 Wed 11/18/15	Mon 10/12/15 Mon 11/23/15	0% 0%	266 173,132,133,134,192 268	
265 266 267 268	00-AHJ 00-AHJ 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers	0 days 4 days	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15	Mon 10/12/15 Mon 11/23/15 Mon 11/30/15	0% 0%	266 173,132,133,134,192	2,280,269,270
265 266 267 268	00-AHJ 00-AHJ 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Drill Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers	0 days 4 days 5 days	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15	Mon 10/12/15 Mon 11/23/15 Mon 11/30/15	0% 0%	266 173,132,133,134,192 268	2,280,269,270
265 266 267 268	00-AHJ 00-AHJ 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers	0 days 4 days 5 days	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15	Mon 10/12/15 Mon 11/23/15 Mon 11/30/15	0% 0%	266 173,132,133,134,192 268	2,280,269,270
265 266 267 268 269 270	00-AHJ 00-AHJ 02-SUBS 02-SUBS 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers  Excavate down to a bench elevation to drill lap pool foundations from a level grade through some overburden (due to slope of pool bottom transition from shallow to deep water)	0 days 4 days 5 days 1 day	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15 Tue 11/24/15	Mon 10/12/15  Mon 11/23/15  Mon 11/30/15  Tue 11/24/15	0% 0% 0%	266 173,132,133,134,192 268 268	2,280,269,270 281,271,272 271
265 266 267 268 269 270	00-AHJ 00-AHJ 02-SUBS 02-SUBS 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers  Excavate down to a bench elevation to drill lap pool foundations from a level grade through some overburden (due to slope of pool bottom transition from shallow to deep water)  Deep Foundation Installation Lap Pool (Drill Rig #1)-88 piers	0 days 4 days 5 days 1 day	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15 Tue 11/24/15 Tue 12/1/15	Mon 10/12/15  Mon 11/23/15  Mon 11/30/15  Tue 11/24/15  Wed 12/16/15	0% 0% 0% 0%	266 173,132,133,134,192 268 268 269,270	2,280,269,270 281,271,272 271 282
265 266 267 268 269 270	00-AHJ 00-AHJ 02-SUBS 02-SUBS 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(fluer average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers  Excavate down to a bench elevation to drill lap pool foundations from a level grade through some overburden (due to slope of pool bottom transition from shallow to deep water)  Deep Foundation Installation Lap Pool (Drill Rig #1)-68 piers  Deep Foundation Installation Leisure Pool & Silde Supports (Drill Rig #2)-45 piers, + 1 pier	0 days 4 days 5 days 1 day	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15 Tue 11/24/15 Tue 12/1/15	Mon 10/12/15  Mon 11/23/15  Mon 11/30/15  Tue 11/24/15	0% 0% 0% 0%	266 173,132,133,134,192 268 268	2,280,269,270 281,271,272 271
265 266 267 268 269 270	00-AHJ 00-AHJ 02-SUBS 02-SUBS 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers  Excavate down to a bench elevation to drill lap pool foundations from a level grade through some overburden (due to slope of pool bottom transition from shallow to deep water)  Deep Foundation Installation Lap Pool (Drill Rig #1)-88 piers	0 days 4 days 5 days 1 day	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15 Tue 11/24/15 Tue 12/1/15	Mon 10/12/15  Mon 11/23/15  Mon 11/30/15  Tue 11/24/15  Wed 12/16/15	0% 0% 0% 0%	266 173,132,133,134,192 268 268 269,270	2,280,269,270 281,271,272 271 282
265 266 267 268 269 270 271 272	00-AHJ 00-AHJ 02-SUBS 02-SUBS 02-SUBS 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers  Excavate down to a bench elevation to drill lap pool foundations from a level grade through some overburden (due to slope of pool bottom transition from shallow to deep water)  Deep Foundation Installation Lap Pool (Drill Rig #1)-88 piers  Deep Foundation Installation Leisure Pool & Stide Supports (Drill Rig #2)-45 piers, + 1 pier for steel column & maybe 2 to 4 more piers for slide supports	0 days 4 days 5 days 1 day 12 days 9 days	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15 Tue 11/24/15 Tue 12/1/15 Tue 12/1/15	Mon 10/12/15  Mon 11/23/15  Mon 11/30/15  Tue 11/24/15  Wed 12/16/15  Fri 12/11/15	0% 0% 0% 0%	266 173,132,133,134,192 268 268 269,270 269	280,269,270 281,271,272 271 282 273,283
265 266 267 268 269 270	00-AHJ 00-AHJ 02-SUBS 02-SUBS 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers  Excavate down to a bench elevation to drill lap pool foundations from a level grade through some overburden (due to slope of pool bottom transition from shallow to deep water)  Deep Foundation Installation Lap Pool (Drill Rig #1)-68 piers  Deep Foundation Installation Leisure Pool & Slide Supports (Drill Rig #2)-45 piers, +1 pier for sleef column & maybe 2 to 4 more piers for slide supports  Deep Foundation Installation Entry, Office, Child Care & south end of structure (Drill Rig	0 days 4 days 5 days 1 day	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15 Tue 11/24/15 Tue 12/1/15 Tue 12/1/15	Mon 10/12/15  Mon 11/23/15  Mon 11/30/15  Tue 11/24/15  Wed 12/16/15  Fri 12/11/15	0% 0% 0% 0%	266 173,132,133,134,192 268 268 269,270	2,280,269,270 281,271,272 271 282
265 266 267 268 269 270 271 272	00-AHJ 00-AHJ 02-SUBS 02-SUBS 02-SUBS 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers  Excavate down to a bench elevation to drill lap pool foundations from a level grade through some overburden (due to slope of pool bottom transition from shallow to deep water)  Deep Foundation Installation Lap Pool (Drill Rig #1)-88 piers  Deep Foundation Installation Leisure Pool & Stide Supports (Drill Rig #2)-45 piers, + 1 pier for steel column & maybe 2 to 4 more piers for slide supports	0 days 4 days 5 days 1 day 12 days 9 days	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15 Tue 11/24/15 Tue 12/1/15 Tue 12/1/15	Mon 10/12/15  Mon 11/23/15  Mon 11/30/15  Tue 11/24/15  Wed 12/16/15  Fri 12/11/15	0% 0% 0% 0%	266 173,132,133,134,192 268 268 269,270 269	280,269,270 281,271,272 271 282 273,283
265 266 267 268 269 270 271 272	00-AHJ 00-AHJ 02-SUBS 02-SUBS 02-SUBS 02-SUBS	M/S	Dewatering permit received  Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Dril Rig #1)-(figure average of 6 piers per day with down time for weather & rig maintenance)-21 piers  Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers  Excavate down to a bench elevation to drill lap pool foundations from a level grade through some overburden (due to slope of pool bottom transition from shallow to deep water)  Deep Foundation Installation Lap Pool (Drill Rig #1)-68 piers  Deep Foundation Installation Leisure Pool & Slide Supports (Drill Rig #2)-45 piers, +1 pier for sleef column & maybe 2 to 4 more piers for slide supports  Deep Foundation Installation Entry, Office, Child Care & south end of structure (Drill Rig	0 days 4 days 5 days 1 day 12 days 9 days	Mon 10/12/15 Wed 11/18/15 Tue 11/24/15 Tue 11/24/15 Tue 12/1/15 Tue 12/1/15 Mon 12/14/15	Mon 10/12/15  Mon 11/23/15  Mon 11/30/15  Tue 11/24/15  Wed 12/16/15  Fri 12/11/15	0% 0% 0% 0% 0%	266 173,132,133,134,192 268 268 269,270 269	281,271,272 271 282 273,283

Averal 2nd Quest 1st Quest 1st Quest 1st Quest 2nd Quest 1st Quest	art   2rd Quart   1et Quart   2rd Quart   1et Quart   2rd Quart   1et Quart   2rd Quart   1et Quart
Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   1st Quart   3rd Quart	art   310 quart   131 quart
9:28   Stub water line into site to hydrant farthest east in Colfax from disconnect Valve #1 from east end of site	
9:29   Stub 1-1/2" water line into site for future retail building disconnect Valve #1 from the east end of site	
930 TStub 4" fire line into site for future retail building from disconnect Valve #2 from east end of site	
10/2 TStub 6" water line into site from disconnect Valve #3 from the east end of site	
UIO SILLO Water line illio Site to west nyurant in Conax ironi disconnect valve #4 from east end of site	
0/9   Stub 8" PVC line from Colfax main to starting point in Josephine from disconnect Valve #5 from east end of site	
19/12   Patch Side Walk & Gutter at Colfax	
19/14   Patch Paving At East Colfax Avenue	
10-14  Open Colfax lane(s) that were closed for utility installation	
1)9 🍲 Close Josephine to all traffic & detour around site	
19/12 I Installi new water line from north Josephine down to intersection in Colfax through middle of road (about 323 feet of pipe with about 100' per day of production)	
13/16   Install 3" water Line, 8" x 4" tapping saddle, fire hydrant & line and 8" concrete plug At North Josephine	
13/19   Patch Side Walk & Gutter at Josephine	
19/20   Backfill & Patch Paving At N Josephine	
1€/20 ♦ Open Josephine back for all traffic	
2/25 I Bring fire lines & domestic lines in from stubs in Colfax & Josephine to first flange inside building for sprinkler sub & plumbing sub to connect to (after fou	indation walls are constructed)
3/1 I Complete the installation of the two fire hydrants along Colfax (after foundation walls are constructed)	
1 (2/21 Storm Drainage & Storm Tech Chambers & Detention	
19/21 T Storm Drain Tap Into Existing Storm Drain Inlet 16th Ave (limited to one pipe crew from chosen sub, so prioritized Colfax & Josephine ROW work and then folllowed	ed with storm work.lf 2nd pipe crew becomes available, could go concurrent with water li
19/23   StormTech Outlet From Storm Drain To Storm Tech Chambers Detention	
0/26 © Excavate & Install StormTech Chambers for water quality detention system	
11/9   Install Site Storm Drainage Lines & Inlets (other than rain garden lines & perimeter drains)	
2/18 Perimeter drain (prior to backfill) (if ground is frozen, wait a few weeks to perform work in Spring)	
1/3 🕽 Landscape drains & inlets (after building backfill)	
ii j j dinasaja dana a maa (ana anang aaran)	
1/3 🐧 Rain garden drains (after backfill & overlot grading)	
12/21 Parking Lot Construction (initial work is encroaching into winter now)	
12/21   Layout Curb & Gutter	
12/22  Install Site Electrical Underground	
12/28 å Install Irrigation Sleeves Parking Lot	
12/22 Fine Grade For Curb & Gutter (tasks from here forward are weather dependent and may slide closer to spring)	
1/11 G Form, Pour & Finish Curb & Gutter	
1/25 Prep, Form & Pour Street Access Crosspans	
1/25 g Install Site Lighting Bases	
1/29 I Fine Grade Parking Lot	
3/16   Install First Lift Of Asphalt Paving (move to spring as asphalt plants would be closed in winter)	
3/23 Back Up C&G At Parking Lot	
2/15 @ Prop. Form & Place Sidewalks At ROW	
3/30 Patch Asphalt / Concrete At ROW To Existing Street Tie-Ins	
8/17 Tarana and Party Utility Work	
8/1 a Gas service engineering by Xcel	
925 👔 Xcel subcontractor(s) install gas service	
19/12 o Tele/data & Cable TV two empty 4" conduit installation by A&P's electrical sub	
60/26 © Tele/data Fiber service feeds to building by CCD (or their chosen provider)	
6026 of Cable TV service feeds to building by Century Link 8/1⊑ compared to the compared to t	
19/12 g Xeel subcontractor(s) install electrical to transformer & set transformer	
12/24 © Electrical ductbank/concrete encasement installation by electrical sub	
1/7 û Pull electrical feeders from transformer to electrical rm	
9/2 UILDING CONSTRUCTION	
9/-2 ————— FOUNDATIONS & SUBSTRUCTURE	
9/22 BUILDING DEEP FOUNDATION SYSTEM (middle to later stages of this process at risk of going into winter conditions)	
922 g Dewatering permitting application & review process with City & State	
10³12. ♦ Dewatering permit received	
11/18 Deep Foundation Installation at Pool Mechanical, surge tank & along 2 line from E to I (Drill Rig #1)-(figure average of 6 piers per day with down time for weather	& rig maintenance)-21 piers
11/24 Deep Foundation Installation Locker Room (Drill Rig #1)-26 piers	
11/24   Excavate down to a bench elevation to drill lap pool foundations from a level grade through some overburden (due to slope of pool bottom transition from shallo	ow to deep water)
12/1 @ Deep Foundation Installation Lap Pool (Drill Rig #1)-88 piers	
12/1 Opep Foundation Installation Leisure Pool & Slide Supports (Drill Rig #2)-45 piers, + 1 pier for steel column & maybe 2 to 4 more piers for slide supports	
12/14   Deep Foundation Installation Entry, Office, Child Care & south end of structure (Drill Rig #2)-32 piers	

12/22 Excavate perimeter bench down to prepare for soil nail retention system

BARKER	R RINKER SEACAT	ARCHITECTURE			EXH	HIBIT PROJECT SCHEDULE RAL DENVER RECREATION CENTER
		±				
ID		Task Name	Duration Start Finish %	Comp Predecessors	Successors	3rd Quart   1st Quart   3rd Q
275	02-SUBS	Soil nailing & shotcrete work for retention system on Josephine & Colfax	8 days Mon 12/28/15 Wed 1/6/16	0% 274,126		
276	02-SUBS	Put dewatering measures in place (well points, header pipes, carbon filtration systems, Sodium Hypochlorite injection, etc. as determined by Environmental Consultant & CDHPE & OPC recommendations)	5 days Tue 12/22/15 Mon 12/28/15	0% 191,267,273	277	12/22 Put dewatering measures in place (well points, header pipes, carbon filtration systems, Sodium Hypochlorite injection, etc. as determined by Environmental Consultant & CDHPE & OPC recommendations)
277	02-SUBS	Draw down water table & tune dewatering system	7 days Tue 12/29/15 Wed 1/6/16	0% 276	278SS,280	12/29 Draw down water table & tune dewatering system
278	02-SUBS	Dewatering system in operation & being monitored/maintained 24/7 from time surge	105 days Thu 1/7/16 Wed 6/1/16	0% 280SS,277SS	312FF,279	1/7 Dewatering system in operation & being monitored/maintained 24/7 from time surge tank/pump excavation commences until lap pool walls are backfilled)
		tank/pump excavation commences until lap pool walls are backfilled)				
279	02-SUBS	Allow for close to 2 weeks overrun on use of dewatering system due to any minor delays & potential weather impacts (system being rented for about 120 work days/180 calendar total)	8 days Thu 6/2/16 Mon 6/13/16	0% 278	312	6/2 Allow for close to 2 weeks overrun on use of dewatering system due to any minor delays & potential weather impacts (system being rented for about 120 work days/180 calendar total)
280	02-SUBS	Excavation For Pool Mechanical & Underdrain Sump Pit	3 days Thu 1/7/16 Mon 1/11/16	0% 268,275,277	286,278SS	1/7 T Excavation For Pool Mechanical & Underdrain Sump Pit
281	02-SUBS	Excavate Locker Room & FLR Area Foundation	5 days Thu 1/7/16 Wed 1/13/16	0% 269,125,127,180,2		1/7 Excavate Locker Room & FLR Area Fundation
282	02-SUBS	Excavate Lap Pool Foundation	5 days Thu 1/7/16 Wed 1/13/16	0% 271,275	283,305	177 g Excavate Lap Pool Foundation
283	02-SUBS	Excavate Leisure Pool Foundation	5 days Thu 1/14/16 Wed 1/20/16	0% 272,282,275	284,317	1/14   Excavate Leisure Pool Foundation
284	02-SUBS	Excavate Party Room, Elevator Pit, Stair Towers, Life Guard Room Foundation	5 days Thu 1/21/16 Wed 1/27/16	0% 273,283,275	297	1/21 Excavate Party Room, Elevator Pit, Stair Towers, Life Guard Room Foundation
285	02-SUBS	FOUNDATION WALLS & GRADE BEAMS (all this work is high risk as it will be happening during winter months-added 3 days to critical path activities for the higher risk work & schedule start shift)	49 days Tue 1/12/16 Fri 3/18/16	0%		1/12 FOUNDATION WALLS & GRADE BEAMS (all this work is high risk as it will be happening during winter months-added 3 days to critical path activities for the higher risk work & schedule start shift)
286	02-SUBS	Install Sump Pump Pit Pool Mechanical	3 days Tue 1/12/16 Thu 1/14/16	0% 280,146	287	1/12 Tinstall Sump Pump Pit Pool Mechanical
287	02-SUBS	Place Footing Slab At Pool Pump Pit Lid & Surge Tank Pad	6 days Fri 1/15/16 Fri 1/22/16	0% 286	288	1/15 Place Footing Slab At Pool Pump Pit Lid & Surge Tank Pad
288	02-SUBS	Layout Pit & Tank Walls	1 day Mon 1/25/16 Mon 1/25/16	0% 287	289	1/25 Layout Pit & Tank Walls
289	02-SUBS	Form Rebar Place Walls Pump Pit & Surge Tank Walls	10 days Tue 1/26/16 Mon 2/8/16	0% 288	290,294	1/26 g Form Rebar Place Walls Pump Pit & Surge Tank Walls
290	02-SUBS	Cure Time Pump Pit / Surge Tank Walls	7 days Tue 2/9/16 Wed 2/17/16	0% 289	291	2/9 Cure Time Pump Pit / Surge Tank Walls
291	02-SUBS	Install Piping From Surge Tank And Pump Pit To Lap Pool Deck Area	6 days Thu 2/18/16 Thu 2/25/16	0% 290	292	2/18   Install Piping From Surge Tank And Pump Pit To Lap Pool Deck Area
292	02-SUBS	Intall Piping From Surge Tank & Pump Pit To Leisure Pool To Lap Pool Deck Area	6 days Fri 2/26/16 Fri 3/4/16	0% 291	293	2/26   Intall Piping From Surge Tank & Pump Pit To Leisure Pool To Lap Pool Deck Area
293	02-SUBS	Back Fill Surge Tank Pump Pit Area	5 days Mon 3/7/16 Fri 3/11/16	0% 292	295	3/7   Back Fill Surge Tank Pump Pit Area
294	02-SUBS	Form Rebar Place Locker Room & Family Locker Room Foundations	7 days Tue 2/9/16 Wed 2/17/16	0% 281,289,150	335,296,237	2/9 \$ Form Rebar Place Locker Room & Family Locker Room Foundations
295	02-SUBS	Form Rebar Place Foundation At Pool Mechanical Area Foundation	5 days Mon 3/14/16 Fri 3/18/16	0% 293	336,299,407	3/14 Form Robar Place Foundation At Pool Mechanical Area Foundation
296 297	02-SUBS	Form Rebar Place Elevator Pit Foundation	5 days Thu 2/18/16 Wed 2/24/16	0% 294	297 357	2/18   Form Robar Place Elevator Pit Foundation
297	02-SUBS	Form Rebar Place Party Room, Stair Towers, Life Guard Room Foundation	8 days Thu 2/25/16 Mon 3/7/16	0% 296,284	357	2/25 g Form Rebar Place Party Room, Stair Towers, Life Guard Room Foundation
299	02-SUBS	STRUCTURAL LAP POOL SHELL, UDNER DRAIN & PIPING  Excavate Lap Pool Dive Well & Under Drain	73 days Mon 3/21/16 Wed 6/29/16 3 days Mon 3/21/16 Wed 3/23/16	0% 0% 295,119	200	3/21 Texcavate Lap Pool SHELL, UDNER DRAIN & PIPING  3/21 Texcavate Lap Pool Dive Well & Under Drain
300	02-SUBS	Install Under Drain Piping & Main Drain Piping Lap Pool	5 days Thu 3/24/16 Wed 3/30/16	0% 299	301	3/24 Install Under Drain Piping & Main Drain Piping Lap Pool
301	02-SUBS	Excavate Balance Of Lap Pool	3 days Thu 3/31/16 Mon 4/4/16	0% 300	302	3/31 Excavate Balance Of Lap Pool
302	02-SUBS	Intall Return Water Lines At Lap Pool Floor	4 days Tue 4/5/16 Fri 4/8/16	0% 301	303,360	4/5   Intail Return Water Lines At Lap Pool Floor
303	02-SUBS	Form & Rebar Lap Pool Floor	6 days Thu 5/5/16 Thu 5/12/16	0% 302,366	304	5/5 Form & Rebar Lap Pool Floor
304	02-SUBS	Install Electrical Grounding Lap Pool Floor	2 days Fri 5/13/16 Mon 5/16/16	0% 303	305	5/13 Tinstall Electrical Grounding Lap Pool Floor
305	02-SUBS	Place Lap Pool Floor	3 days Tue 5/17/16 Thu 5/19/16	0% 304,282	306	5/17 T Place Lap Pool Floor
306	02-SUBS	Install Exterior Lap Pool Wall Forms	5 days Fri 5/20/16 Thu 5/26/16	0% 305	307	5/20   Install Exterior Lap Pool Wall Forms
307	02-SUBS	Install Lap Pool Wall Rebar	5 days Fri 5/27/16 Thu 6/2/16	0% 306	308	5/27 j İnstall Lap Pool Wall Rebar
308	02-SUBS	Install Wall Lap Pool Inserts and Achors	3 days Fri 6/3/16 Tue 6/7/16	0% 307	309	6/3 I install Wall Lap Pool Inserts and Achors
309	02-SUBS	Install Grounding At Lap Pool Walls	3 days Wed 6/8/16 Fri 6/10/16	0% 308	310	6/8 I Install Grounding At Lap Pool Walls
310 311	02-SUBS	Shotcrete Lap Pool Walls	2 days Mon 6/13/16 Tue 6/14/16	0% 309	311	6/13 I Shotcrete Lap Pool Walls
311	02-SUBS 02-SUBS	Tie In Piping From Lap Pool To Lap Pool Piping From Pool Mechanical  Back Fill Lap Pool Structural Shell	7 days Wed 6/15/16 Thu 6/23/16 4 days Fri 6/24/16 Wed 6/29/16	0% 310 0% 311,278FF,279	314,567,485	6/15   Tie In Piping From Lap Pool To Lap Pool Piping From Pool Mechanical 6/24   Back Fill Lap Pool Structural Shell
313	02-SUBS	STRUCTURAL LEISURE POOL SHELL, UDNER DRAIN & PIPING	69 days Thu 6/30/16 Tue 10/4/16	0% 511,27611,279	314,307,403	623 DBCA: III LBJ FOOI SHELL, UDNER DRAIN & PIPING
314	02-SUBS	Excavate Leisure Pool and Under Drain	3 days Thu 6/30/16 Mon 7/4/16	0% 312	315	6/30   Excavate Leisure Pool and Under Drain
315	02-SUBS	Install Under Drain Piping & Main Drain Piping Leisure Pool	6 days Tue 7/5/16 Tue 7/12/16	0% 314	316	7/5 1 Install Under Drain Piping & Main Drain Piping Leisure Pool
316	02-SUBS	Intall Return Water Lines At Leisure Pool Floor	4 days Wed 7/13/16 Mon 7/18/16	0% 315	317	7/13 Initall Return Water Lines At Leisure Pool Floor
317	02-SUBS	Form & Rebar Leisure Pool Floor	6 days Tue 7/19/16 Tue 7/26/16	0% 316,283	318	7/19 Form & Rebar Leisure Pool Floor
318	02-SUBS	Install Electrical Grounding Leisure Pool Floor	2 days Wed 7/27/16 Thu 7/28/16	0% 317	319	7/27 I Install Electrical Grounding Leisure Pool Floor
319	02-SUBS	Place Leisure Pool Floor & Zero Beach Entry	3 days Fri 7/29/16 Tue 8/2/16	0% 318	320	7/29 I Place Leisure Pool Floor & Zero Beach Entry
320	02-SUBS	Install Leisure Pool Wall Forms One Side	5 days Wed 8/3/16 Tue 8/9/16	0% 319	321	8/3   Install Leisure Pool Wall Forms One Side
321	02-SUBS	Install Leisure Pool Wall Rebar	5 days Wed 8/10/16 Tue 8/16/16	0% 320	322	8/10   Install Leisure Pool Wall Rebar
322 323	02-SUBS 02-SUBS	Install Wall Leisure Pool Inserts and Achors	3 days Wed 8/17/16 Fri 8/19/16	0% 321	323	8/17 T Install Wall Leisure Pool Inserts and Achors
323	02-SUBS 02-SUBS	Install Grounding At Leisure Pool Walls Shotcrete Leisure Pool Walls	3 days Mon 8/22/16 Wed 8/24/16 2 days Thu 8/25/16 Fri 8/26/16	0% 322 0% 323	324 325	8/22 I Install Grounding At Leisure Pool Walls 8/25 T Shotcrete Leisure Pool Walls
324	02-SUBS	Tie In Piping From Leisure Pool To Leisure Pool Piping From Pool Mechanical	7 days Mon 8/29/16 Tue 9/6/16	0% 323	325	8/26 _ Snotcrete Leisure Pool wails  8/29 _ Tie In Pijing From Leisure Pool To Leisure Pool Piping From Pool Mechanical
326	02-SUBS	Back Fill Leisure Pool Structural Shell	4 days Wed 9/7/16 Mon 9/12/16	0% 325	327	9/7   Back Fill Lieisure Pool Structural Shell
327	02-SUBS	Layout Pool Slide Leisure Pool	2 days Tue 9/13/16 Wed 9/14/16	0% 326	328	9/13 T Layout Pool Slide Leisure Pool
328	02-SUBS	Excavate Pool Slide Foundation Leisure Pool	3 days Thu 9/15/16 Mon 9/19/16	0% 327	329	9/15 ] Excavate Pool Slide Foundation Leisure Pool
329	02-SUBS	Install Pool Slide Foundations Leisure Pool	5 days Tue 9/20/16 Mon 9/26/16	0% 328	330SS,333	9/20 j Install Pool Slide Foundations Leisure Pool
330	02-SUBS	Install Pool Slide Run Out Leisure Pool	5 days Tue 9/20/16 Mon 9/26/16	0% 329SS	331SS,333	9/20 ] Install Pool Slide Run Out Leisure Pool
331	02-SUBS	Install Pool Slide Grounding Leisure Pool	5 days Tue 9/20/16 Mon 9/26/16	0% 330SS	332	9/20 1 Install Pool Slide Grounding Leisure Pool
332	02-SUBS	R/I Pool Piping Pool Slide Leisure Pool	3 days Tue 9/27/16 Thu 9/29/16	0% 331	333	9/27 I R/i Pool Piping Pool Slide Leisure Pool
333	02-SUBS	BackFill Pool Slide Foundations Leisure Pool	3 days Fri 9/30/16 Tue 10/4/16	0% 332,329,330	591	9/30 [ BackFill Pool Silde Foundations Leisure Pool
334	02-SUBS	FOUNDATION BACKFILL & PERIMITER DRAIN	25 days Thu 2/25/16 Wed 3/30/16	0%	040.00000.00	2/25 COUNDATION BACKFILL & PERMITER DRAIN
335 336	02-SUBS 02-SUBS	Backfill Locker Room & FLR Foundations	8 days Thu 2/25/16 Mon 3/7/16	0% 294,237	340,230SS,207SS	2/25 g Backfill Locker Room & FLR Foundations
336	02-SUBS 02-SUBS	Backfill Pool Mechanical Area Foundations  Backfill Elevator Pit Foundation	3 days Mon 3/21/16 Wed 3/23/16 3 days Thu 3/24/16 Mon 3/28/16	0% 295,262 0% 336	337	3/21 T Backfill Pool Mechanical Area Foundations 3/24 T Backfill Elevator Pit Foundation
338	02-SUBS	Backfill Party Room, Stair Towers, Life Guard Room Foundation	2 days Tue 3/29/16 Wed 3/30/16	0% 337	357,238,239	3/22   Backill Party Room, Stair Towers, Life Guard Room Foundation
339	02-SUBS	SLAB ON GRADE (early stages of this at risk for tail end of winter potential weather	57 days Tue 3/29/16 Wed 5/25/16	0% 337	55.,250,255	3/29   Backtill Party Room, Stair Towers, Life Guard Room Poundation  3/8
		impacts)				
340	02-SUBS	Layout Interior Locker Room & Family Walls	3 days Tue 3/8/16 Thu 3/10/16	0% 335,207	341	3/8 I Layout Interior Locker Room & Family Walls
341	02-SUBS	Under Ground Plumbing LR & Family LR	11 days Fri 3/11/16 Fri 3/25/16	0% 340	342SS+7 days,344,343	
342	02-SUBS	Under Ground Electrical LR & Family LR	5 days Tue 3/22/16 Mon 3/28/16	0% 341SS+7 days	344	3/22 Under Ground Electrical LR & Family LR
343	02-SUBS	Underground 48" HDPE return/exhaust duct under corridor LR & Family RR	10 days Wed 3/16/16 Tue 3/29/16	0% 341SS+3 days	344	3/16 @ Underground 48" HDPE return/exhaust duct under corridor LR & Family RR
344	02-SUBS	Inspect Under Ground Plumbing, Duct & Electrical LR & FLR	4 days Wed 3/30/16 Mon 4/4/16	0% 342,341,343	345	3/30   Inspect Under Ground Plumbing, Duct & Electrical LR & FLR
345	02-SUBS	Grade Locker Rooms & Family For Slab On Grade	4 days Tue 4/5/16 Fri 4/8/16	0% 344	346	4/5 T Grade Locker Rooms & Family For Slab On Grade
346	02-SUBS	Prep SOG Pour Locker Rooms & Family LR	6 days Mon 4/11/16 Mon 4/18/16	0% 345	347	4/11   Prep SOG Pour Locker Rooms & Family LR
347	02-SUBS	Place & Finish Locker Room & Family LR SOG	5 days Tue 4/19/16 Mon 4/25/16	0% 346	531,348,549	4/19 Place & Finish Locker Room & Family LR SOG
348 349	02-SUBS 02-SUBS	Layout Party Room, Stair Towers, Life Guard Room Foundation  Under Ground MEP Party Room, Stair Towers, Life Guard Room Foundation	2 days Tue 4/26/16 Wed 4/27/16 3 days Thu 4/28/16 Mon 5/2/16	0% 347 0% 348	349 350	4/26 I Layout Party Room, Stair Towers, Life Guard Room Foundation 4/28 I Under Ground MEP Party Room, Stair Towers, Life Guard Room Foundation
350	02-SUBS 02-SUBS	Under Ground MEP Party Room, Stair Towers, Life Guard Room Foundation  Inspect Under Ground MEP Party Room, Stair Towers, Life Guard Room Foundation	2 days Tue 5/3/16 Wed 5/4/16	0% 348	350	4/28   Under Ground MEP Party Room, Stair Towers, Life Guard Room Foundation  5/3   Inspect Under Ground MEP Party Room, Stair Towers, Life Guard Room Foundation
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BARKER R	INKER SEAC	AT ARCHITECTURE						HIBIT PROJECT SCHEDULE  RAL DENVER RECREATION CENTER
ID I	RESP ES	TON Task Name	Duration	Start	Finish	% Comp Predecessors	Successors	
351	02-SUBS	Fine Grade SOG Party Room, Stair Towers, Life Guard Room Foundation	5 days		Wed 5/11/16	0% 350	352	3rd Quart 1st Quart 3rd Quart 3rd Qu
352	02-SUBS	Prep SOG Party Room, Stair Towers, Life Guard Room Foundation	5 days			0% 351	353	5/12   Prep SOG Party Room, Stair Towers, Life Guard Room Foundation
353	02-SUBS	Place SOG Party Room, Stair Towers, Life Guard Room Foundation	5 days		Wed 5/25/16	0% 352	633,549,654,661	5/19 Place SOG Party Room, Stair Towers, Life Guard Room Foundation
354	02-SUBS	SUPERSTRUCTURE	85 days	Thu 3/31/16	Wed 7/27/16	0%		3/31 SUPERSTRUCTURE
355	02-SUBS	STRUCTURAL STEEL ERECTION (1st week or two of steel has some winter impact	85 days	Thu 3/31/16	Wed 7/27/16	0%		3/31 STRUCTURAL STEEL ERECTION (1st week or two of steel has some winter impact risks)
		risks)						
356 357	02-SUBS	Structural Steel First Level	6 days		Thu 4/7/16	0%		331 🚭 Structural Steel First Level
357	02-SUBS 02-SUBS	Erect Structural Steel LR & FLR Party Room Pool Storage First Level South West  Erect Structural Steel Pool Mechanical Roof & Mechanical Well North	3 days	Thu 3/31/16 Tue 4/5/16	Mon 4/4/16 Thu 4/7/16	0% 338,297,255,257,2 0% 357	360	3/31   Erect Structural Steel LR & FLR Party Room Pool Storage First Level South West  4/5   Erect Structural Steel Pool Mechanical Roof & Mechanical Well North
359	02-SUBS	Structural Steel Second Level Floor	8 days		Wed 4/20/16	0%	000	4/11 mg Structural Steel Second Level Floor
360	02-SUBS	Structural Steel Second Level Gym Group Exercise Cardio Weights South	5 days	Mon 4/11/16	Fri 4/15/16	0% 358,302	361,368	4/11 Structural Steel Second Level Gym Group Exercise Cardio Weights South
361	02-SUBS	Erect Structural Steel For AHU Second Level North	3 days	Mon 4/18/16	Wed 4/20/16	0% 360	363	4/18 Terect Structural Steel For AHU Second Level North
362	02-SUBS	Structural Steel Roof Over Fitness Bath Rms Group Exercise	3 days	Thu 4/21/16	Mon 4/25/16	0%		4/21 🕡 Structural Steel Roof Over Fitness Bath Rms Group Exercise
363	02-SUBS	Erect Structural Steel Roof At Group Exc. Fitness Bathrooms West	3 days	Thu 4/21/16	Mon 4/25/16	0% 361	365,654	4/21 Terect Structural Steel Roof At Group Exc. Fitness Bathrooms West
364	02-SUBS	Structural Steel Roof At Gym Cardio Weights	7 days		Wed 5/4/16	0%		4/26 Tructural Steel Roof At Gym Cardio Weights
365 366	02-SUBS 02-SUBS	Erect Roof Over Gym & Cardio Weights  Erect Frames At Skylights Gym Cardio Weights	5 days 2 days	Tue 4/26/16 Tue 5/3/16	Mon 5/2/16 Wed 5/4/16	0% 363 0% 365	366,661 303,368	4/26 Ferect Roof Over Gym & Cardio Weights  5/3 Terect Frames At Skylights Gym Cardio Weights
367	02-SUBS	Structural Steel At Mezzanine Track	7 days	Thu 5/5/16	Fri 5/13/16	0% 303	303,306	5/5 Structural Steel At Mezzanier Track
368	02-SUBS	Erect Steel For Running Track Hanging From Roof Steel At Gym Cardio Weights	7 days		Fri 5/13/16	0% 360,366	370,914SS	5/5 _ Erroct Steel For Running Track Hanging From Roof Steel At Gym Cardio Weights (assuming Alternate is accepted or infrastructure is required as part of the base GMP)
		(assuming Alternate is accepted or infrastructure is required as part of the base GMP)	.			' '		
369	02-SUBS	Structural Steel Detail Work	42 days	Mon 5/16/16	Tue 7/12/16	0%	074 000 00	5/16 🖚 Structural Steel Datail Work
370 371	02-SUBS 02-SUBS	Detail Work SS First Level South West  Detail Work SS Roof Pool Mechanical & Mechanical Well North	4 days		Thu 5/19/16	0% 368,357 0% 370	371,380,633 372	5/16   Detail Work SS First Level South West  5/20   Detail Work SS Roof Pool Mechanical & Mechanical Well North
371	02-SUBS	Detail Work SS Roof Pool Mechanical & Mechanical Well North  Detail Work Second Level Gym Floor Fitness Group Exercise South	4 days	Fri 5/20/16 Thu 5/26/16	Wed 5/25/16 Fri 6/3/16	0% 370	372	5/20   Detail Work SS Root Pool Mechanical & Mechanical Well North
373	02-SUBS	Detail Work Roof At AHU Mechanical Well Second Level North	5 days	Mon 6/6/16	Fri 6/10/16	0% 372	374	6/6 [ Detail Work Roof At AHU Mechanical Well Second Level North
374	02-SUBS	Detail Work At West Roof Group Exc. Fitness Bathrooms	4 days	Mon 6/13/16	Thu 6/16/16	0% 373	375	6/13 Detail Work At West Roof Group Exc. Fitness Bathrooms
375	02-SUBS	Detail Work At Roof Level South	4 days		Wed 6/22/16	0% 374	376	6/17 I Detail Work At Roof Level South
376	02-SUBS	Detail Work AT Roof Level North	4 days		Tue 6/28/16	0% 375	377	6/23 Detail Work AT Roof Level North
377 378	02-SUBS 02-SUBS	Detail Work At Mezzanine Track (if alternate is accepted)  Erect Railing At Mezzanine Track (if alternate is accepted)	5 days		Tue 7/5/16 Tue 7/12/16	0% 376 0% 377	378,915SS 915SS,916	6/29 p Detail Work At Mezzanine Track (if alternate is accepted) 7/6 a Frect Railing At Mezzanine Track (if alternate is accepted)
379	02-SUBS	Decking At Structural Areas & Roofs	49 days		Wed 7/27/16	0% 377	91555,916	5/20 Decking At Structural Areas & Roofs
380	02-SUBS	Decking First Level South West	3 days		Tue 5/24/16	0% 370	381,391	5/20 Decking First Level South West
381	02-SUBS	Decking Roof Pool Mechanical & Mechanical Well North	2 days	Wed 5/25/16	Thu 5/26/16	0% 380	382	5/25 T Decking Roof Pool Mechanical & Mechanical Well North
382	02-SUBS	Decking Second Level Gym Floor Fitness Group Exercise South	5 days	Fri 5/27/16	Thu 6/2/16	0% 381	383	5/27 Decking Second Level Gym Floor Fitness Group Exercise South
383	02-SUBS	Decking Roof At AHU Mechanical Well Second Level North	2 days	Fri 6/3/16	Mon 6/6/16	0% 382	384	6/3 T Decking Roof At AHU Mechanical Well Second Level North
384	02-SUBS	Decking At West Roof Group Exc. Fitness Bathrooms	3 days	Tue 6/7/16	Thu 6/9/16	0% 383	385	6/7 T Docking At West Roof Group Exc. Fitness Bathrooms
385 386	02-SUBS 02-SUBS	Decking At Roof Level South Over Cardio & Weights  Decking At Roof Level North Over Gym (last steel item needing crane)	5 days	Fri 6/10/16 Thu 7/7/16	Thu 6/16/16 Wed 7/13/16	0% 384 0% 385.684FF.694FF	386,460,499 387,460FF+5 days	6/10 Decking At Roof Level South Over Cardio & Weights 7/7 Decking At Roof Level North Over Gym (last steel item needing crane)
387	02-SUBS	Decking At Mezzanine Track (if alternate is accepted)	4 days		Tue 7/19/16	0% 386	388,915SS,460FF	7/14 Docking At Mezzanine Track (if alternate is accepted)
388	02-SUBS	Erect Railing At Mezzanine Track (if alternate is accepted)	6 days	Wed 7/20/16	Wed 7/27/16	0% 387	915SS,916	7/20 [ Erect Railling At Mezzanine Track (if alternate is accepted)
389	02-SUBS	SLABS ON METAL DECK (appears that all slab work would fit during summer months)	40 days	Wed 5/25/16	Tue 7/19/16	0%		5/25 🚙 SLABS ON METAL DECK (appears that all slab work would fit during summer months)
390	00.01100	20MD First Lovel	40 4	M 1 E/0E/40	F-1 0/40/40	00/		
390	02-SUBS	SOMD First Level  Inspect Structural Steel & Decking First Level	13 days 3 days		Fri 6/10/16 Fri 5/27/16	0% 380	202	5/25 Tinspect Structural Steel & Decking First Level
392	02-SUBS	MEP SOMD Prep First Level	5 days		Fri 6/3/16	0% 391	393SS+3 days,394	5/30 I MEP SOMD Prop First Level
393	02-SUBS	Prep SOMD Pour First Level	4 days	Thu 6/2/16	Tue 6/7/16	0% 392SS+3 days	394	6/2 Prep SOMD Pour First Level
394	02-SUBS	Place Slab On Metal Deck First Level	3 days	Wed 6/8/16	Fri 6/10/16	0% 393,392	396,531	6/8 T Place Slab On Metal Deck First Level
395 396	02-SUBS	SOMD Second Level	15 days		Fri 7/1/16	0%		6/13 cut SOMD Second Level
396	02-SUBS 02-SUBS	Inspect Structural Steel & Decking Second Level  MEP SOMD Prep Second Level	3 days 5 days		Wed 6/15/16 Wed 6/22/16	0% 394 0% 396	397	6/13 Tinspect Structural Steel & Decking Second Level 6/16 MEP SOMD Prep Second Level
398	02-SUBS	Prep SOMD Pour Second Level	3 days			0% 397	399	6/23 Prep SOMD Pour Second Level
399	02-SUBS	Place Slab On Metal Deck Second Level	4 days	Tue 6/28/16	Fri 7/1/16	0% 398	401,683,698,713,72	
400	02-SUBS	SOMD Second Level Gym	12 days	Mon 7/4/16	Tue 7/19/16	0%		7/4 SOMD Second Level Gym
401	02-SUBS	Inspect Structural Steel & Decking Second Level Gym	3 days		Wed 7/6/16	0% 399	402	7/4 Inspect Structural Steel & Decking Second Level Gym
402	02-SUBS	MEP SOMD Prep Second Level Gym	3 days		Mon 7/11/16	0% 401	403	7/7 MEP SOMD Prep Second Level Gym
403 404	02-SUBS 02-SUBS	Prep SOMD Pour Second Level Gym  Place Slab On Metal Deck Second Level Gym	3 days 3 days		Thu 7/14/16 Tue 7/19/16	0% 402 0% 403	404 793,816,831,848,86	7/12 T Prep SOMD Pour Second Level Gym  8 7/15 T Place Slab On Metal Deck Second Level Gym
404	02-SUBS	EXTERIOR WALL SYSTEMS		Mon 12/21/15	Wed 1/4/17	0% 403	. 55,510,001,040,00	1/15   Flates blad of in motal fuels. Second Level Gyrii
406	02-SUBS	MISCELLANEOUS EXTERIOR ITEMS	67 days		Tue 6/21/16	0%		3/21 MISCELLANEOUS EXTERIOR ITEMS
407	02-SUBS	Pool Mechanical Well Exterior Wall System	6 days		Mon 3/28/16	0% 295	409,415,408	3/21   Pool Mechanical Well Exterior Wall System
408	02-SUBS	Exterior screen wall at generator enclosure	5 days	Tue 3/29/16	Mon 4/4/16	0% 407	447	3/29 1 Exterior screen wall at generator enclosure
409	02-SUBS	Fitness & Track Level Two Exterior Wall System	11 days		Tue 4/12/16	0% 407	410,462	3/29 © Fitness & Track Level Two Exterior Wall System
410 411	02-SUBS	Lap Pool Exterior Wall System	- 1	Wed 4/13/16	Thu 4/28/16	0% 409	411	4/13 p Lap Pool Exterior Wall System
411	02-SUBS 02-SUBS	Leisure Pool Exterior Walls System  Entry, Lounge, Offices & Racquetball Exterior Wall System	12 days		Mon 5/16/16 Fri 6/3/16	0% 410 0% 411	412 413	4/29 Cleisure Pool Exterior Walls System  5/17 Cle Entry, Lounge, Offices & Racquetball Exterior Wall System
412	02-SUBS	Gym Exterior Wall System	14 days 12 days		Tue 6/21/16	0% 411	447,415	6/6 Gym Exterior Wall System
414	02-SUBS	MASONRY VENEER & EXTERIOR HM DOORS (happening during summer months)	54 days		Mon 9/5/16	0%	+	621 1
415	02-SUBS	Exterior Hollow Metal Door Frames On Site	0 days		Tue 6/21/16	0% 407,413	416	6/21 ♠ Exterior Hollow Metal Door Frames On Site
416	02-SUBS	Install Exterior HM Frames		Wed 6/22/16	Tue 7/5/16	0% 415	417SS+3 days,419	6/22 o Install Exterior HM Frames
417	02-SUBS	Pool Mechanical Masonry Veneer		Mon 6/27/16	Fri 7/1/16	0% 416SS+3 days	418,423	6/27 i Pool Machanical Masonry Veneer
418 419	02-SUBS 02-SUBS	Lap Pool Masonry Veneer	10 days		Fri 7/15/16	0% 417 0% 418,416	419,425 420,426	7/4 Lep Pool Masonry Veneer
419	02-SUBS 02-SUBS	Leisure Pool Masonry Veneer  Entry, Lounge, Offices & Racquetball Masonry Veneer	10 days		Fri 7/29/16 Fri 8/12/16	0% 418,416 0% 419	420,426 427,421	7/18 o Leisure Pool Masonry Veneer 8/1 o Entry, Lounge, Offices & Racquetball Masonry Veneer
421	02-SUBS	Gym Masonry Veneer	16 days		Mon 9/5/16	0% 420	428,971,447	8/15 © Cym Masonry Veneer
422	02-SUBS	EXTERIOR SIDING FINISH	51 days		Mon 9/12/16	0%		7/4 TIPE EXTERIOR SIDING FINISH
423	02-SUBS	Pool Mechanical Siding Finish	5 days		Fri 7/8/16	0% 417	424,430	7/4 Pool Mechanical Siding Finish
424	02-SUBS	Fitness & Track Second Floor Siding Finish	10 days		Fri 7/22/16	0% 423	425	7/11 p Fitness & Track Second Floor Siding Finish
425 426	02-SUBS 02-SUBS	Lap Pool Siding Finish Leisure Pool Siding Finish	10 days		Fri 8/5/16 Fri 8/19/16	0% 418,424 0% 425,419	426 427	7/25 @ Lap Pool Siding Finish 8/8 @ Leisung Pool Siding Finish
426	02-SUBS	Entry, Lounge, Offices & Racquetball Siding Finish	10 days		Fri 9/2/16	0% 425,419	427	8/8 Q Leisure Pool Siding Finish 8/22 Q Entry, Lounge, Offices & Racquetball Siding Finish
428	02-SUBS	Gym Siding Finish	5 days		Mon 9/12/16	0% 427,421	437,447	9/6   Gym Siding Finish
429	02-SUBS	PAINT EXTERIOR SIDING	- 1	Mon 7/11/16		0%		7/11 PAINT EXTERIOR SIDING
430	02-SUBS	Pool Mechanical Siding Paint and/or trim work	5 days	Mon 7/11/16	Fri 7/15/16	0% 423	431	7/11 Pool Mechanical Siding Paint and/or trim work

BAR	ER RINKER SEACAT	ARCHITECTURE	EXHIBIT PROJECT SCHEDULE CENTRAL DENVER RECREATION CENTER	CITY AND COUNTY OF DENVER / DENVER PARKS & RECREATION DISTRICT
ID	RESP LESTON	Task Name	Duration Start Finish % Comp Predecessors Successors 3rd Quart 1st	rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st
431	02-SUBS	Fitness & Track Second Floor Siding Paint and/or trim work	Duration   Start   Finish   % Comp   Predecessors   3rd Quart   1st Quart   3rd Quart	ı e o Janma a Juli e o Janma a Juli e o Janma a Juli e o Janma a Juli e o Janma
432	02-SUBS	Lap Pool Siding Paint and/or trim work	5 days Thu 7/28/16 Wed 8/3/16 0% 431 433 7/26   Lap Pool Siding Paint and/or trim work	
433	02-SUBS	Leisure Pool Siding Paint and/or trim work	5 days	
434	02-SUBS	Entry, Lounge, Offices & Racquetball Siding Paint and/or trim work	5 days Thu 8/11/16 Wed 8/17/16 0% 433 435 8/11   Entry, Lounge, Offices & Racquetball Siding Paint and/or trim work	
435 436	02-SUBS 02-SUBS	Gym Siding Paint and/or trim work  EXTERIOR WINDOW OPENINGS	5 days Thu 8/18/16 Wed 8/24/16 0% 434 971,447 8/18   Gym Siding Paint and/or trim work  67 days Tue 9/13/16 Wed 12/14/16 0% 9/13 EXTERIOR WINDOW OPENINGS	
437	02-SUBS	Field Measure & Order Aluminum Windows & Translucent Panels	3 days Tue 9/13/16 Thu 9/15/16 0%/428 438 9/13 Field Measure & Order Aluminum Windows & Translucent Panels	
438	02-SUBS	Manufacture & Ship Aluminum Windows & Door Frames	30 days Fri 9/16/16 Thu 10/27/16 0% 437 439 9/16 Manufacture & Ship Aluminum Windows & Door Frames	
439	02-SUBS	Aluminum Window & Door Frames On Site	0 days Thu 10/27/16 Thu 10/27/16 0% 438 440 10/27 🎄 Aluminum Window & Door Frames On Site	
440	02-SUBS	Start Install Aluminum Windows & Doors Exterioir	1 day Fri 10/28/16 Fri 10/28/16 0% 439 441 10/28   Start Install Aluminum Windows & Doors Exterioir	
441	02-SUBS	Pool Mechanical Aluminum Windows & Door Frames	5 days Mon 10/31/16 Fri 11/4/16 0% 440 442 10/31 I Pol Mechanical Aluminum Windows & Door Frames	
442	02-SUBS	Fitness & Track Second Floor Aluminun Windows & Door Frames	8 days Mon 1177/16 Wed 11/16/16 0% 441 443 1177 § Finess & Track Second Floor Aluminun Windows & Door Frames	
443 444	02-SUBS 02-SUBS	Lap Pool Aluminun Windows & Door Frames  Leisure Pool Aluminin Windows & Door Frames	5 days Thu 11/17/16 Wed 11/23/16 0% 442 444 11/17 Lap Pool Aluminun Windows & Door Frames 5 days Thu 11/24/16 Wed 11/30/16 0% 443 445 11/24 Leisure Pool Aluminin Windows & Door Frames	
445	02-SUBS	Entry, Lounge, Offices & Racquetball Aluminum Windows & Door Frames	Susys Thu 12/1/16 Wed 1/7/16 0 4444 446 112/1 Entry, Lounge, Offices & Racquetball Aluminum Windows & Door Frames	
446	02-SUBS	Gym Aluminun Windows & Door Frames	5 days Thu 12/8/16 Wed 12/14/16 0%/445 971,447 12/8 Sym Aluminun Windows & Door Frames	
447	02-SUBS M/S	Exterior Perimeter Dry-in Completed (appears to	0 days Wed 12/14/16 Wed 12/14/16 0% 446,428,421,413,408,971,806 12/14/16 Wed 12/14/16 0% 446,428,421,413,408,971,806	
		work with accomplishing it ahead of winter)		
448	02-SUBS	EXTERIOR CLIMBING WALL SYSTEM (Alternate if accepted; not tied into Substantial	273 days Mon 12/21/15 Wed 1/4/17 0% EXTERIOR CLIMBING WALL SYSTEM (Alternate if accepted; not tied into Substantial Completion prior to go/no-go decision)	
		Completion prior to go/no-go decision)		
449 450	00-CACD	Make Decision on Ext Climbing Wall Alternate	60 days   Mon 12/21/15   Fri 3/11/16   0%   117   450   12/21   Make Decision on Ext Climbing Wall Alternate   146 days   Mon 3/14/16   Mon 10/3/16   0% 449   451   3/14   Awards & procure materials on Ext Climbing Wall Alternate	
450 451	00-CACD 02-SUBS	Awards & procure materials on Ext Climbing Wall Alternate  Layout Climbing Wall	146 days Mon 3/14/16 Mon 10/3/16 0% 449 451 3/14 Awards & procure materials on Ext Climbing Wall Alternate  3 days Mon 11/14/16 Wed 11/16/16 0% 624,450 452 11/14 I Layout Climbing Wall	
451	02-SUBS	Frame Climbing Wall	3 usys   win   1/14/16   weet 1/10/16   The 1/12/4/16   0% 624,451   453   1/14/1   Frame Climbing West   1/14/1   1/	
453	02-SUBS	Install Backing For Climbing Wall System	3 days Fri 11/25/16 Tue 11/29/16 0%/452 454 11/25 I Install Backing For Climbing Wall System	
454	02-SUBS	Install Anchors For Climbing Wall	3 days Wed 11/30/16 Fri 12/2/16 0% 453 455 11/30 I Install Anchors For Climbing Wall	
455	02-SUBS	Install Climbing Walls Inserts	3 days Mon 12/5/16 Wed 12/7/16 0% 454 456 12/6 Install Climbing Walls Inserts	
456	02-SUBS	Install Climbing Wall Façade	11 days Thu 12/8/16 Thu 12/22/16 0% 455 457 12/8 g Install Climbing Wall Façade	
457	02-SUBS	Install Flooring At Climbing Wall Landing Area	9 days Fri 12/23/16 Wed 1/4/17 0% 456 985FF+1 day 12/23 Install Flooring At Climbing Wall Landing Area	
458	02-SUBS	ROOF CONSTRUCTION	53 days Fri 6/17/16 Tue 8/30/16 0% 6/17 PROF CONSTRUCTION	
459 460	02-SUBS	ROOFING (appears to all be happening during summer months)  Roof Blocking	53 days Fri 6/17/16 Tue 8/30/16 0% 6/17 Fri 6/17/16 Thu 7/21/16 0% 385.386FF+5 days.38.467,461SS+1 day 6/17 Roof Blocking	
461	02-SUBS	Roof System at North Mechanical Area	25 days Fri 6/17/16 Thu 7/21/16 0%   385,386FF+5 days,38   467,461SS+1 day   6/17	
462	02-SUBS	Roofing System Fitness & Track Second Floor	8 days Fri 6/24/16 Tue 7/5/16 0% 409.461 463.538.555.624.638.8 6/24 n Roofing System Fitness & Track Second Floor	
463	02-SUBS	Roofing System At Lap Pool	8 days Wed 7/6/16 Fri 7/15/16 0% 462 464,572 7/6 Roofing System At Lap Pool	
464	02-SUBS	Roofing System At Leisure Pool	8 days Mon 7/18/16 Wed 7/27/16 0% 463 465,595 7/18 Roofing System At Leisure Pool	
465	02-SUBS	Roofing System At Entry, Lounge & Office	12 days Thu 7/28/16 Fri 8/12/16 0% 464 467.466SS+10 days 7/28 g Roofing System At Entry, Lounge & Office	
466 467	02-SUBS	Set curb & mount EF-1 over family locker area	2 days Thu 8/11/16 Fri 8/12/16 0% 465SS+10 days 467	
467	02-SUBS M/S	Roofing System At Gym	12 days Mon 8/15/16 Tue 8/30/16 0% 465,460,466 793,971,666,468 8/15	
		Overhead Dry-in Completed		
469	02-SUBS	INTERIOR FINISHES & FIT-OUT	325 days Mon 12/21/15 Fri 3/17/17 0% INTERIOR FINISHES & FIT-OUT	
470 471	02-SUBS 00-A & P	OVERALL FINAL INSPECTIONS, PUNCHLIST & C OF O  A&P Pre-Punch Project	52 days Thu 1/5/17 Fri 3/17/17 0% 11/5 Thu 1/5/17 Mon 1/9/17 0% 589,631,652,659,680,472SS,473 11/5 A&P Pre-Punch Project	
472	00-A & P	Final Clean Building	14 days Mon 1/30/17 Thu 2/16/17 0%471SS,726,741,773,8478FF+3 days 1/30 @ Final Clean Building	
473	99-ALL	A&P & All Subs Completes Pre-Punch Work	7 days Tue 1/10/17 Wed 1/18/17 0% 471,547,565 474 1/10 A&P & All Subs Completes Pre-Punch Work	
474	00-TEAM	Owner & Architect Quality Walk & Punch List	3 days Thu 1/19/17 Mon 1/23/17 0% 473 475 1/19 Towner & Architect Quality Walk & Punch List	
475	00-AHJ	Final Inspection Electrical & Fire Protection	5 days Tue 1/24/17 Mon 1/30/17 0% 474 476 11/24   Final Inspection Electrical & Fire Protection	
476 477	00-AHJ 00-AHJ	Final Inspection Elevator	5 days Tue 1/31/17 Mon 2/6/17 0% 475 477SS,479 1/31 Final Inspection Elevator 5 days Tue 1/31/17 Mon 2/6/17 0% 476SS 478 1/31 Final Inspection Fire Alarm	
477	00-AHJ 02-SUBS	Final Inspection Fire Alarm  Completion of Critical Punch List Items	5 days Tue 1/31/17 Mon 2/6/17 0% 476SS 478 1/31 Final Inspection Fire Alarm  10 days Wed 2/8/17 Tue 2/21/17 0% 477,472FF+3 days 479 2/8 © Completion of Critical Punch List Items	
479	99-ALL	Weather Contingency (per historical averages, expect about 38 cal days per year of rain of		nclement weather. Assumed 60% or more of the day is lost to critical work to call it a we
		>/=0.10". Have allowed for 15 work days lost to inclement weather. Assumed 60% or more of the day is lost to critical work to call it a weather day)		
480 481	99-ALL 00-AH.I M/S	Central Denver Recreation Center Substantial Completion Walk-throughs & Sign-off	3 days Wed 3/15/17 Fri 3/17/17 0% 479 481 3/15 T Central Denver Recreation Center Substantial Completion Walk-throughs & Sign-off  0 days Fri 3/17/17 Fri 3/17/17 0% 480 993 3/17 Central Denver Recreation Center Certificate of Occupancy & SIC Certificates Issued	
481	00-AHJ M/S 02-SUBS	Central Denver Recreation Center Certificate of Occupancy & S/C Certificates Issued  LOWER LEVEL INTERIOR FINISHES & FIT-OUT	0 days Fri 3/17/17 Fri 3/17/17 0% 480 993 3/17 ♠ Central Denver Recreation Center Certificate of Occupancy & S/C Certificates Issued  291 days Mon 1/2/21/15 Mon 1/30/17 0% 12/21 ■ LOWER LEVEL INTERIOR FINISHES & FIT-OUT	
483	02-SUBS	Maintenance Office & Mech/Elec/Pool Equip Rooms Interior Finishes & Fit-out	255 days Mon 12/21/15 Fri 12/9/16 0% 12/21 Maintenance Office & Mech/Elec/Pool Equip Rooms Interior Finishes & Fit-out	
101	00.0000			
484 485	02-SUBS	Pool Mechanical Room Construction  Install Pumps In Pool Pump Pit Pool Mech Rm	91 days Thu 6/30/16 Thu 11/3/16 0% 6/30 \$\phi = \pi \pi \pi \pi \pi \pi \pi \pi \pi \pi	
486	02-SUBS	Install Pool Filters In Pool Mech Rm	10 days Thu 7/14/16 Wed 7/27/16 0%485 487 97.14 Install Pool Filters in Pool Mech Rm	
487	02-SUBS	Install Pool Heaters Pool Mech Rm	6 days Thu 7/28/16 Thu 8/4/16 0% 486 488,489SS+3 days 7/28   Install Pool Heaters Pool Mech Rm	
488	02-SUBS	Install Piping Pool Mech Rm	30 days Fri 8/5/16 Thu 9/15/16 0% 487 492 8/5 Install Piping Pool Mech Rm	
489	02-SUBS	Install all-plastic exhaust fans EF-4 & 5 at chlorine & acid rooms (if mounted above ceiling, but under roof)	2 days Tue 8/2/16 Wed 8/3/16 0% 487SS+3 days 492,491,490 8/2 I Install all-plastic exhaust fans EF-4 & 5 at chlorine & acid rooms (if mounted above ceiling, but under roof)	
490	02-SUBS	PVC pipe exhaust installation from chlorine & acid rooms to roof	2 days Thu 8/4/16 Fri 8/5/16 0% 489 583,691 8/4 7 PVC pipe exhaust installation from chlorine & acid rooms to roof	
491 492	02-SUBS 02-SUBS	Connect power to all-plastic chlorine & acid exhaust fans Tie Pool Piping Into Pumps Pool Mech Rm	2 days Thu 8/4/16 Fri 8/5/16 0% 489 583 8/4 Ţ Connect power to all-plastic chlorine & acid exhaust fans 5 days Fri 9/16/16 Thu 9/22/16 0% 488 489 493 9/16 Ţ Tie Pool Piping Into Pumps Pool Mech Rm	
492	02-SUBS 02-SUBS	Tie Pool Piping Into Pumps Pool Mech Rm  Tie Pool Piping Into Pool Heaters Pool Mech Rm	5 days   Fri 9/16/16   Thu 9/22/16 0%   488,489   493   9/16   Tie Pool Piping Into Pumps Pool Mech Rm   5 days   Fri 9/23/16   Thu 9/29/16 0%   492   494   9/23   Tie Pool Piping Into Pool Heaters Pool Mech Rm	
494	02-SUBS	Tie Pool Piping Into Pool Filters Pool Mech Rm	3 days Fri 930/16 Thu 10/6/16 0% 493 495 930 Fri 930/16 Thu 10/6/16 0% 493 495	
495	02-SUBS	Set Up Pool Chemical Room Pool Mech Rm	5 days Fri 107/16 Thu 10/13/16 0% 494 496 107 Set Up Pool Chemical Room Pool Mech Rm	
496	02-SUBS	Install Pool Chemical Feeders Pool Mech Rm	5 days Fri 10/14/16 Thu 10/20/16 0% 495 497 10/14   Install Pool Chemical Feeders Pool Mech Rm	
497	02-SUBS	Tie Feeders Into Pool Pipe System Pool Mech Rm	10 days Fri 10/21/16 Thu 11/3/16 0% 496 583 10/21 @ Tie Feeders Into Pool Pipe System Pool Mech Rm	
498	02-SUBS	Maintenance Office & Mech/Elec Equip Rms-Interior Finishes & Fit-out	255 days Mon 12/21/15 Fri 12/9/16 0%	
499 500	02-SUBS	Layout housekeeping pads-Mntnce Off, MEP Eq Rms	2 days Fri 6/17/16 Mon 6/20/16 0% (385.531 500 6/17 ji Layout housekeeping pads-Mintnee Off, MEP Eq. Rms	
500	02-SUBS	Form, pour & strip M & E housekeeping pads-Mntnce Off, MEP Eq Rms  Set air handlers-Mntnce Off, MEP Eq Rms	5 days Tue 6/21/16 Mon 6/27/16 0% 499 505,504,501,513,514 6/21 Form, pour & strip M & E housekeeping pads-Mintree Off, MEP Eq Rms  5 days Tue 6/28/16 Mon 7/4/16 0% 500,461 504,503,502 6/28 Set air handlers-Mintree Off, MEP Eq Rms	
502	02-SUBS	Ductwork-Mntnce Off, MEP Eq Rms	Sueys   100 to 0.75   0.00   0	
503	02-SUBS	Hydronic systems hangers & piping-Mntnce Off, MEP Eq Rms	25 days Tue 7/19/16 Mon 8/22/16 0% 501,502SS+10 days 510,511,512 7/19 Hydronic systems hangers & piping-Mintnee Off, MEP Eq Rms	
504	02-SUBS	Set HHW, CHW & Domestic water circulation pumps-Mntnce Off, MEP Eq Rms	5 days Tue 7/5/16 Mon 7/11/16 0% 500,501 505,507,506,509 7/5 Set HHW, CHW & Domestic water circulation pumps Mintnee Off, MEP Eq Rms	
505	02-SUBS	Set/assemble boilers-Mntnce Off, MEP Eq Rms	5 days Tue 7/12/16 Mon 7/18/16 0% 500,504 507 7/12   Set/assemble boilers-Mintice Off, MEP Eq Rms	
506	02-SUBS	Set heat exchangers-Mntnce Off, MEP Eq Rms	2 days Tue 7/12/16 Wed 7/13/16 0% 504 508 7/12 Set heat exchangers-Mntnce Off, MEP Eq Rms	
	Adolfson			07-10-15 PRELIMINARY SCHEDULE

BARK	ER RINKER SEACAT	ARCHITECTURE			HIBIT PROJECT SCHEDULE TRAL DENVER RECREATION CENTER
ID	RESP ESTON	Task Name	Duration Start Finish	% Comp Predecessors Successors	3rd Quart 1st Quart 3rd Qu
507	02-SUBS	Set expansion tanks-Mntnce Off, MEP Eq Rms	3 days Tue 7/19/16 Thu 7/21/10	6 0% 505,504 508	Junie   O Janiwa   a Juni   e
508	02-SUBS	Set glycol tank & chemical feed system-Mntnce Off, MEP Eq Rms	2 days Fri 7/22/16 Mon 7/25/16	6 0% 506,507 512FF+5 days	7/22 I Set glycol tank & chemical feed system-Mintnee Off, MEP Eq Rms
509	02-SUBS	Mount sidewall EF-7 in main electrical room	1 day Tue 7/12/16 Tue 7/12/16		7/12 Mount sidewall EF-7 in main electrical room
510	02-SUBS	Mechanical insulation-Mntnce Off, MEP Eq Rms	15 days Tue 8/23/16 Mon 9/12/16		8/23 @ Mechanical insulation-Mntroc Off, MEP Eq Rms
511	02-SUBS 02-SUBS	Meters & Gauges-Mntnce Off, MEP Eq Rms	10 days Tue 8/23/16 Mon 9/5/10		8/23 p Meters & Gauges-Mntrice Off, MEP Eq Rms
512 513	02-SUBS	Building Controls-Mntnce Off, MEP Eq Rms Set transformers-Mntnce Off, MEP Eq Rms	35 days Tue 8/23/16 Mon 10/10/10 2 days Tue 6/28/16 Wed 6/29/16		8/23 Building Controls-Mntnce Off, MEP Eq Rms 6/28 Set transformers-Mntnce Off, MEP Eq Rms
513	02-SUBS	Set transformers-withtice Off, MEP Eq Rins  Set main switchboards-Mntnce Off, MEP Eq Rins	2 days Tue 6/28/16 Wed 6/29/16		6/28 † Set main switchboards-Mintre Off, MEP Eq Rms
515	02-SUBS	Set disconnects & VFD soft starts-Mntnce Off, MEP Eq Rms	4 days Thu 6/30/16 Tue 7/5/10		6/30   Set disconnects & VFD soft starts-Mintroe Off, MEP Eq Rms
516	02-SUBS	Set panelboard tubs-Mntnce Off, MEP Eq Rms	5 days Wed 7/6/16 Tue 7/12/10		7/6 § Set panelboard tubs-Mntnce Off, MEP Eq Rms
517	02-SUBS	Pull wire to tubs-Mntnce Off, MEP Eq Rms	15 days Wed 7/13/16 Tue 8/2/16	6 0% 516 518SS+5 days,519	7/13 Pull wire to tubs-Mintnee Off, MEP Eq Rms
518	02-SUBS	Mount breakers & terminate wire at panels-Mntnce Off, MEP Eq Rms	20 days Tue 10/11/16 Mon 11/7/16	6 0% 517SS+5 days,516FF 529,519	10/11 @ Mount breakers & terminate wire at panels-Mntnce Off, MEP Eq Rms
519	02-SUBS M/S	Gear energized-Mntnce Off, MEP Eq Rms	0 days Mon 11/7/16 Mon 11/7/16	6 0% 518,517,261,260,695 520,696,691,625,6	
520	02-SUBS	Check motor rotations-Mntnce Off, MEP Eq Rms	3 days Tue 11/8/16 Thu 11/10/16		11/8 I Check motor rotations-Mintnee Off, MEP Eq Rims
521	02-SUBS	A&P & Subs fit-out MDF Room 031-Cat-6 Cables brought to room, cable tray hung, power provided for City's equipment. FR plywood mounted on walls wher required, lighting installed, door & hardware in place. Concrete sealer after City finished)	ere	6 0% 517 522,529	8/3 😭 A&P & Subs fit-out MDF Room 031-Cat-6 Cables brought to room, cable tray hung, power provided for City's equipment, FR plywood mounted on walls where required, lighting installed, door & hardware in place. Concrete sealer after Cit
522	02-CENTURY	Century Link Installation of Tele/Data & Internet (head end equipment) (MDF Room #013 in Area B on Lower Level & IDF Rooms 013, 113 & 213 in Area A on Lower, Entry & 2nd levels)	20 days Thu 10/20/16 Wed 11/16/16	6 0% 257,521,556,768 523,529,524	10/20 Century Link Installation of Tele/Data & Internet (head end equipment) (MDF Room #013 in Area B on Lower Level & IDF Rooms 013, 113 & 213 in Area A on Lower, Entry & 2nd levels)
523	02-CENTURY M/S	Phones functional for A&P & Sub's use for Elevator Inspections & Fire Alarm Monitoring Dial-up Testing	0 days Wed 11/16/16 Wed 11/16/16	6 0% 522,257 631FF+1 day	11/16 ♦ Phones functional for A&P & Sub's use for Elevator Inspections & Fire Alarm Monitoring Dial-up Testing
524	02-CENTURY M/S	Internet functional for A&P & Sub's use for controls start-up	0 days Wed 11/16/16 Wed 11/16/16		11/16 🎓 Internet functional for A&P & Sub's use for controls start-up
525	00-CACD	Available time for BAS (Building Automation System) Personal Computer Procurement by City (started at 203 days; shortened to see how design delay	180 days Mon 12/21/15 Fri 8/26/1	6 0% 117 526	12/21 Available time for BAS (Building Automation System) Personal Computer Procurement by City (started at 203 days; shortened to see how design delay would affect other things)
		would affect other things)			
526	00-CACD M/S	BAS (Building Automation System) Personal Computer Received by A&P's Controls Sub	0 days Fri 8/26/16 Fri 8/26/1	6 0% 525 527FS+10 days	8/26 ♠ BAS (Building Automation System) Personal Computer Received by A&P's Controls Sub
527	02-SUBS	Full mechanical start-up, test & balance & COMMISSIONING-Mntnce Off, MEP Eq Rms (Cx process to include start-up checklist, pre-functional testing, equipment verification, O&M manual review, maintaining deficiency log etc.)	15 days Thu 11/17/16 Wed 12/7/16	6 0% 520,510,511,255,257,529,806 days	11/17 g Full mechanical start-up, test & balance & COMMISSIONING-Mntnce Off, MEP Eq Rms (Cx process to include start-up checklist, pre-functional testing, equipment verification, O&M manual review, maintaining deficiency log etc.)
528	02-SUBS	Painting-Mntnce Off, MEP Eq Rms	5 days Tue 9/13/16 Mon 9/19/16	6 0% 510 471	9/13 @ Painting-Mntnce Off, MEP Eq Rms
528	02-SUBS	Concrete sealer-Mntnce Off, MEP Eq Rms	2 days Thu 12/8/16 Fri 12/9/1		12/8 T Concrete sealer-Mntnce Off, MEP Eq Rms
530	02-SUBS	Men's/Women's/Family Locker Rooms Interior Finishes & Fit-out	93 days Mon 6/13/16 Wed 10/19/10		6/13 Aman Men's/Women's/Family Locker Rooms Interior Finishes & Fit-out
		,			
531	02-SUBS	Layout Interior Walls LR & FLR	2 days Mon 6/13/16 Tue 6/14/1	6 0% 347,394 532,499,485,549,5	7.5 6/13 TiLayout Interior Walls LR & FLR
532	02-SUBS	Install Large Duct In Locker Room / Family LR Ceilings	7 days Wed 6/15/16 Thu 6/23/16		6/15 g install Large Duct In Locker Room / Family LR Ceillings
533	02-SUBS	Install Interior Masonry Walls LR & FLR	14 days Fri 6/24/16 Wed 7/13/16	6 0% 532 534SS,537	6/24 🖟 Install Interior Masonry Walls LR & FLR
534	02-SUBS	Rough In MEP & FP In Locker Room & Family LR Walls & Ceilings	14 days Fri 6/24/16 Wed 7/13/16		6/24 o Rough In MEP & FP In Locker Room & Family LR Walls & Ceilings
535	02-SUBS	Mount transfer fan TF-3	1 day Tue 7/12/16 Tue 7/12/1	, ,	7/12 Mount transfer fan TF-3
536 537	02-SUBS 02-SUBS	Inspect Above Ceilings LR & FLR Frame Ceilings At LR & FLR	3 days Thu 7/14/16 Mon 7/18/16 8 days Tue 7/19/16 Thu 7/28/16		7/14   Inspect Above Ceilings LR & FLR 7/19   Frame Ceilings At LR & FLR
538	02-SUBS	Rock, Tape & Finish Ceilings In LR & FLR	6 days Fri 7/29/16 Fri 8/5/1		77.9 ROCK, Toolings in LR & FLR
539	02-SUBS	Install APC At Ceilings In LR & FLR	7 days Mon 8/8/16 Tue 8/16/10		8/8 @ Install APC At Ceilings In LR & FLR
540	02-SUBS	Install Tile At Floors & Walls LR & FLR	15 days Wed 8/17/16 Tue 9/6/1	6 0% 539 541	8/17 @ Install Tile At Floors & Walls LR & FLR
541	02-SUBS	Paint Ceilings & Walls At LR & FLR	5 days Wed 9/7/16 Tue 9/13/10	6 0% 540 542	9/7 Paint Ceilings & Walls At LR & FLR
542	02-SUBS	Install SS Vanities & Toilet Accessories LR & FLR	4 days Wed 9/14/16 Mon 9/19/16		9/14   Install SS Vanities & Toilet Accessories LR & FLR
543	02-SUBS	Install Plumbing Fixtures LR & FLR	5 days Tue 9/20/16 Mon 9/26/16		9/20 J Install Plumbing Fixtures LR & FLR
544 545	02-SUBS 02-SUBS	Install MEP & FP Finishes LR & FLR Install Toilet Partitions LR & FLR	5 days Tue 9/27/16 Mon 10/3/16 3 days Tue 10/4/16 Thu 10/6/16		9/27   Install MEP & FP Finishes LR & FLR 10/4   Install Toilet Partitions LR & FLR
546	02-SUBS	Final Paint LR & FLR	4 days Fri 10/7/16 Wed 10/12/16	0.0011	107   Final Paint LR & FLR
547	00-A & P	Pre-Punch LR & FLR	5 days Thu 10/13/16 Wed 10/19/16		10/13 Pro-Punch LR & FLR
548	02-SUBS	Pool Admin/Lifeguard/Storage & Main Corridor Interior Finishes & Fit-out	93 days Wed 6/15/16 Fri 10/21/10	6 0%	6/15 Pool Admin/Lifeguard/Storage & Main Corridor Interior Finishes & Fit-out
549	02-SUBS	Layout Interior Walls-Pool Admin/Lifeguard/Storage & Main Corridor	2 days Wed 6/15/16 Thu 6/16/16		6/15 I Layout Interior Walls-Pool Admin/Lifeguard/Storage & Main Corridor
550	02-SUBS	Install Large Duct Ceilings-Pool Admin/Lifeguard/Storage & Main Corridor	7 days Fri 6/17/16 Mon 6/27/16		6/17 ¢ Install Large Duct Ceilings-Pool Admin/Lifeguard/Storage & Main Corridor
551 552	02-SUBS 02-SUBS	Install Interior Masonry Walls-Pool Admin/Lifeguard/Storage & Main Corridor	14 days Tue 6/28/16 Fri 7/15/1		6/28 g Install Interior Masonry Walls-Pool Admin/Lifeguard/Storage & Main Corridor 6/29 Boush L. MEDS ED WILLY 6 Children Book Admin/Lifeguard/Storage & Main Corridor
553	02-SUBS 02-SUBS	Rough In MEP & FP Walls & Ceilings-Pool Admin/Lifeguard/Storage & Main Corrido Inspect Above Ceilings-Pool Admin/Lifeguard/Storage & Main Corridor	or 14 days Tue 6/28/16 Fri 7/15/10 3 days Mon 7/18/16 Wed 7/20/16		6/28 Rough In MEP & FP Walls & Ceilings-Pool Admin/Lifeguard/Storage & Main Corridor 7/18 Tinspect Above Ceilings-Pool Admin/Lifeguard/Storage & Main Corridor
554	02-SUBS	Frame Ceilings-Pool Admin/Lifeguard/Storage & Main Corridor	8 days Thu 7/21/16 Mon 8/1/10		7/21 @ Frame Ceillings-Pool Admin/Lifeguard/Storage & Main Corridor
555	02-SUBS	Rock, Tape & Finish Ceilings-Pool Admin/Lifeguard/Storage & Main Corridor	6 days Tue 8/2/16 Tue 8/9/16	6 0% 554,462 557,556	8/2 Rock, Tape & Finish Ceilings-Pool AdminLifeguard/Storage & Main Corridor
556	02-SUBS	A&P & Subs fit-out IDF Room #013-Cat-6 Cables brought to room, cable tray hung, power provided for City's equipment, FR plywood mounted on walls where required, lighting installed, door & hardware in place. Concrete sealer after City is finished)	,	6 0% 555 565,522	8/10 A&P & Subs fit-out IDF Room #013-Cat-6 Cables brought to room, cable tray hung, power provided for City's equipment, FR plywood mounted on walls where required, lighting installed, door & hardware in place. Concrete sealer after Cit
557	02-SUBS	Install APC At Ceilings-Pool Admin/Lifeguard/Storage & Main Corridor	7 days Wed 8/10/16 Thu 8/18/16		8/10 g Install APC At Ceilings-Pool Admin/Lifeguard/Storage & Main Corridor
558	02-SUBS	Install Tile At Floors & Walls-Pool Admin/Lifeguard/Storage & Main Corridor	15 days Fri 8/19/16 Thu 9/8/16		8/19 install Tile At Floors & Walls-Pool Admin/Lifeguard/Storage & Main Corridor  (10
559 560	02-SUBS 02-SUBS	Paint Ceilings & Walls-Pool Admin/Lifeguard/Storage & Main Corridor	5 days Fri 9/9/16 Thu 9/15/16		9/9   Paint Ceilings & Walls-Pool Admin/Lifeguard/Storage & Main Corridor
560	02-SUBS 02-SUBS	Install SS Vanities & Toilet Accessories-Pool Admin/Lifeguard/Storage & Main Corric Install Plumbing Fixtures-Pool Admin/Lifeguard/Storage & Main Corridor	idd 4 days Fri 9/16/16 Wed 9/21/16 5 days Thu 9/22/16 Wed 9/28/16		9/16   Install SS Vanities & Toilet Accessories-Pool Admin/Lifeguard/Storage & Main Corridor 9/22   Install Plumbing Fixtures-Pool Admin/Lifeguard/Storage & Main Corridor
562	02-SUBS 02-SUBS	Install Plumbing Fixtures-Pool Admin/Lifeguard/Storage & Main Corridor  Install MEP & FP Finishes-Pool Admin/Lifeguard/Storage & Main Corridor	5 days Thu 9/22/16 Wed 9/28/16 5 days Thu 9/29/16 Wed 10/5/16	1/1/11	9/22   Install Plumbing Fixtures-Pool Admin/Lifeguard/Storage & Main Corridor  9/29   Install MEP & FP Finishes-Pool Admin/Lifeguard/Storage & Main Corridor
563	02-SUBS	Install Toilet Partitions-Pool Admin/Lifeguard/Storage & Main Corridor	3 days Thu 10/6/16 Mon 10/10/16		106 I Install Toilet Partitions-Pool AdminLifeguard/Storage & Main Corridor
564	02-SUBS	Final Paint-Pool Admin/Lifeguard/Storage & Main Corridor	4 days Tue 10/11/16 Fri 10/14/1		10/11   Tinal Paint-Pool Admin/Lifeguard/Storage & Main Corridor
565	00-A & P	Pre-Punch-Pool Admin/Lifeguard/Storage & Main Corridor	5 days Mon 10/17/16 Fri 10/21/1		10/17 Î Pre-Punch-Pool Admin/Lifeguard/Storage & Main Corridor
566	02-SUBS	8 Lane Lap Pool Construction (Interior Finishes & Fit-out)	126 days Thu 6/30/16 Thu 12/22/10	6 0%	6/30  8 Lane Lap Pool Construction (Interior Finishes & Fit-out)
567	02-SUBS	Install Pool Drain Lines Back To Pool Mechanical	6 days Thu 6/30/16 Thu 7/7/16	6 0% 312,531 568	6/30 Install Pool Drain Lines Back To Pool Mechanical
568	02-SUBS	Form Gutter System For Rim Flow At Lap Pool	8 days Fri 7/8/16 Tue 7/19/10		7/8 Form Gutter System For Rim Flow At Lap Pool
569	02-SUBS	Install Drain Pipe, Inserts and Anchors	2 days Fri 7/8/16 Mon 7/11/16		7/8   Install Drain Pipe, Inserts and Anchors
570	02-SUBS	Pour Lap Pool Gutters	4 days   Wed 7/20/16   Mon 7/25/16	6 0% 569,568 571	7/20 Pour Lap Pool Gutters
	Adolfson				07-10-15 PRELIMINARY SCHEDULE

BARKER RINKER SEACAT ARCHITECTURE									EXHIBIT PROJECT SCHEDULE	
	CENTRAL DENVER RECREATION CENTER									
ID	RESP LESTO	ON Task Name		Duration	Start	Finish	% Comp Prede	cessors Successors	3rd Quart   1st Quart   3rd Quart   3rd Qu	
571	02-SUBS		Fine Grade Lap Pool top Of Wall For Rim Flow	5 days	Tue 7/26/16	Mon 8/1/16	0% 570	572	7/26   Fine Grade Lap Pool top Of Wall For Rim Flow	
572	02-SUBS		Install C701 Tile and Field Tile For Gutter System Lap Pool	10 days	Tue 8/2/16	Mon 8/15/16	0% 571,46	573	8/2 g install C701 Tile and Field Tile For Gutter System Lap Pool	
573	02-SUBS		Install Lane Tile & Wall Target Tile Lap Pool	12 days	Tue 8/16/16	Wed 8/31/16	0% 572	574	8/16 g Install Lane Tile & Wall Target Tile Lap Pool	
574	02-SUBS		Back Fill Deck Area	6 days	Thu 9/1/16	Thu 9/8/16	0% 573	575	9/1   Back Fill Deck Area	
575	02-SUBS		Install Pool Deck Drains & Tie Into Sump Pump Lap Pool	7 days	Fri 9/9/16	Mon 9/19/16	0% 574	576	9/9 g Install Pool Deck Drains & Tie Into Sump Pump Lap Pool	

ID	RESP ESTON	Task Name	Duration Start	Finish % Comp Predecessors	Successors	3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Qu
571	02-SUBS	Fine Grade Lap Pool top Of Wall For Rim Flow	5 days Tue 7/26/16	Mon 8/1/16 0% 570	572	3rd Quart   1st Quart   3rd Quart   3rd Qu
572	02-SUBS	Install C701 Tile and Field Tile For Gutter System Lap Pool	10 days Tue 8/2/16		573	8/2 g Install C701 Tile and Field Tile For Gutter System Lap Pool
573	02-SUBS	Install Lane Tile & Wall Target Tile Lap Pool	12 days Tue 8/16/16		574	8/16 p Install Lane Tile & Wall Target Tile Lap Pool
574	02-SUBS	Back Fill Deck Area	6 days Thu 9/1/16	Thu 9/8/16 0% 573	575	9/1 Back Fill Deck Area
575	02-SUBS	Install Pool Deck Drains & Tie Into Sump Pump Lap Pool	7 days Fri 9/9/16	Mon 9/19/16 0% 574	576	9/9 p Install Pool Deck Drains & Tie Into Sump Pump Lap Pool
576	02-SUBS	Concrete Deck Drains In Place Lap Pool	8 days Tue 9/20/16	Thu 9/29/16 0% 575	577	9/20 ↑ Concrete Deck Drains In Place Lap Pool
577	02-SUBS	Prep SOG Lap Pool Deck	3 days Fri 9/30/16	Tue 10/4/16 0% 576	578	9/30 [ Prep SOG Lap Pool Deck
578	02-SUBS	Place & Finish Concrete Lap Pool Deck	7 days Wed 10/5/16		579	10/5 ≱ Place & Finish Concrete Lap Pool Deck
579	02-SUBS	Prep Pool For Plaster Install Lap Pool	2 days Fri 10/14/16		580	10/14 I Prep Pool For Plaster Install Lap Pool
580	02-SUBS M/S	Start Up Lap Pool Mechanical Units	0 days Mon 11/21/16		581,693,692	11/21 🏠 Start Up Lap Pool Mechanical Units
581 582	02-SUBS 02-SUBS	Plaster Lap Pool	3 days Tue 11/22/16	Thu 11/24/16 0% 580,691SS+7 day Tue 11/29/16 0% 581,691	582	11/22 I Plaster Lap Pool 11/25 I Fill Lap Pool & Start Up Pool Mechanical Equipment
583	02-SUBS	Fill Lap Pool & Start Up Pool Mechanical Equipment Start Up Pool Euipment Pool Mech Lap Pool	3 days Fri 11/25/16 3 days Wed 11/30/16		584	11/25   Finit Lap Pool & Start Up Pool Mechanical Equipment  11/30   Start Up Pool Euipment Pool Mech Lap Pool
584	02-SUBS	Install Pool Deck Equipment Ladders, Dive Boards Etc At Lap Pool	3 days Mon 12/5/16		585	1/3/2   Install Pool Deck Equipment Ladders, Dive Soards Etc At Lap Pool
585	02-SUBS	Final Clean Pool & Pool Deck Lap Pool	2 days Thu 12/8/16		586	12/8 J Final Clean Pool & Pool Deck Lap Pool
586	00-TEAM	QC & Pre Punch Lap Pool	1 day Mon 12/12/16		587	12/12   QC & Pre Punch Lap Pool
587	99-ALL	Complete QC & Pre-Punch Items Lap Pool	5 days Tue 12/13/16	Mon 12/19/16 0% 586	588	12/13 Complete QC & Pre-Punch Items Lap Pool
588	02-SUBS	Final Inspection Pool Design Team Lap Pool	3 days Tue 12/20/16	Thu 12/22/16 0% 587	589	12/20 TFinal Inspection Pool Design Team Lap Pool
589	02-SUBS M/S	Lap Pool Complete	0 days Thu 12/22/16	Thu 12/22/16 0% 588	471	12/22 & Lap Pool Complete
590	02-SUBS	Leisure Pool, Therapy Pool & Slide Construction (Interior	84 days Wed 10/5/16	Mon 1/30/17 0%		10/5 😎 🛶 Leisure Pool, Therapy Pool & Slide Construction (Interior Finishes & Fit-out)
		Finishes & Fit-out)				
591	02-SUBS	Form Gutter System For Rim Flow At Leisure Pool	5 days Wed 10/5/16	Tue 10/11/16 0% 333,531	592SS,593FF+1 da	10/5   Form Gutter System For Rim Flow At Leisure Pool
592	02-SUBS	Install Drain Pipe, Inserts and Anchors Leisure Pool Gutters	2 days Wed 10/5/16	Thu 10/6/16 0% 591SS	593	10/5 I Install Drain Pipe, inserts and Anchors Leisure Pool Gutters
593	02-SUBS	Pour Leisure Pool Gutters	4 days Fri 10/7/16	Wed 10/12/16 0% 592,591FF+1 day		10/7   Pour Leisure Pool Gutters
594	02-SUBS	Fine Grade Leisure Pool top Of Wall For Rim Flow	5 days Thu 10/13/16		595	10/13   Fine Grade Leisure Pool top Of Wall For Rim Flow
595	02-SUBS	Install C701 Tile and Field Tile For Gutter System Leisure Pool	8 days Thu 10/20/16		596	10/20 g Install C701 Tile and Field Tile For Gutter System Leisure Pool
596	02-SUBS	Install Lane Tile & Wall Target Tile Leisure Pool		Wed 11/9/16 0% 595	597	11/1 § Install Lane Tile & Wall Target Tile Leisure Pool
597	02-SUBS	Back Fill Deck Area Leisure Pool	4 days Thu 11/10/16		598	11/10 [ Back Fill Dock Area Leisure Pool
598 599	02-SUBS 02-SUBS	Install Pool Deck Drains & Tie Into Sump Pump Leisure Pool Concrete Deck Drains In Place Leisure Pool	4 days Wed 11/16/16		599 600	11/16   Install Pool Deck Drains & Tie Into Sump Pump Leisure Pool
600	02-SUBS 02-SUBS	Concrete Deck Drains In Place Leisure Pool  Prep SOG & built-in components of play features Leisure Pool Deck	3 days Tue 11/22/16 3 days Fri 11/25/16		600	11/22 I Concrete Deck Drains In Place Leisure Pool 11/25 I Prep SOG & built-in components of play features Leisure Pool Deck
601	02-SUBS	Place & Finish Concrete Leisure Pool Deck	5 days Wed 11/30/16		602	11/25   Prep SOG & Dutt-in components of play features Leisure Pool Deck
602	02-SUBS	Pool Slide Arrives On Site Leisure	1 day Wed 12/7/16		603	177   Poste a missi contract besser vol. 1964.
603	02-SUBS	Erect Slide Tower Leisure Pool	-	Mon 12/12/16 0% 602	604	12/8 Ţ Erect Slide Tower Leisure Pool
604	02-SUBS	Install Pool Slide Leisure Pool	4 days Tue 12/13/16		605	12/13 ŢInstall Pool Slide Leisure Pool
605	02-SUBS	Tie In Pool Piping At Slide Tower Leisure Pool	3 days Mon 12/19/16	Wed 12/21/16 0% 604	606	12/19 ] Tie In Pool Piping At Slide Tower Leisure Pool
606	02-SUBS	Wax & Polish Slide Plume Leisure Pool	3 days Thu 12/22/16	Mon 12/26/16 0% 605	607	12/22 Wax & Polish Slide Plume Leisure Pool
607	02-SUBS	Test & Adjust Pool Slide Leisure Pool	3 days Tue 12/27/16	Thu 12/29/16 0% 606	608	12/27 Test & Adjust Pool Slide Leisure Pool
608	00-TEAM	QC and Punch Pool Slide Leisure Pool	1 day Fri 12/30/16	Fri 12/30/16 0% 607	609	12/30 QC and Punch Pool Slide Leisure Pool
609	02-SUBS	Final Inspection Pool Slide Leisure Pool	3 days Mon 1/2/17	Wed 1/4/17 0% 608	610	1/2 † Final Inspection Pool Slide Leisure Pool
610	02-SUBS	Prep Pool For Plaster Install including built-in components of play features Leisure	2 days Thu 1/5/17	Fri 1/6/17 0% 609	611	1/5 repe Pool For Plaster Install including built-in components of play features Leisure Pool
611	02-SUBS M/S	Obert He Leleves Peel Mechanical Helia	0 1000 514047	Fri 1/6/17 0% 610,691	612,693,692	
612	02-SUBS M/S	Start Up Leisure Pool Mechanical Units Plaster Leisure Pool	0 days Fri 1/6/17 3 days Mon 1/9/17	Fri 1/6/17 0% 610,691 Wed 1/11/17 0% 611	612,693,692	1/6 🍑 Start Up Leisure Pool Mechanical Units 1/9 1 Plaster Leisure Pool
613	02-SUBS	Start Up Pool Euipment Pool Mech Leisure Pool	2 days Thu 1/12/17	Fri 1/13/17 0% 612	615	1/12 T Start Up Pool Euigment Pool Mech Leisure Pool
614	02-SUBS	Surface mounted play features Leisure pool	2 days Thu 1/12/17	Fri 1/13/17 0% 612,161	615	1/12 T Surface mounted play features Leisure pool
615	02-SUBS	Fill Leisure Pool & Start Up Pool Mechanical Equipment	1 day Mon 1/16/17		93 616	1/16 Fill Leisure Pool & Start Up Pool Mechanical Equipment
616	02-SUBS	Install Pool Deck Equipment Ladders, Dive Boards Etc At Leisure Pool	3 days Tue 1/17/17	Thu 1/19/17 0% 615,160	617	1/1/7 Install Pool Deck Equipment Ladders, Dive Boards Etc At Leisure Pool
617	02-SUBS	Final Clean Pool & Pool Deck Lleisure Pool	2 days Fri 1/20/17	Mon 1/23/17 0% 616	618	1/20 T Final Clean Pool & Pool Deck Lleisure Pool
618	00-TEAM	QC & Pre Punch Leisure Pool	1 day Tue 1/24/17	Tue 1/24/17 0% 617	619	1/24   QC & Pre Punch Leisure Pool
619	99-ALL	Complete QC & Pre-Punch Items Leisure Pool	2 days Wed 1/25/17	Thu 1/26/17 0% 618	620	1/25 I Complete QC & Pre-Punch Items Leisure Pool
620	02-SUBS	Final Inspection Pool Design Team Leisure Pool	2 days Fri 1/27/17		621	1/27 T Final Inspection Pool Design Team Leisure Pool
621	02-SUBS M/S	Leisure Pool Complete	0 days Mon 1/30/17	Mon 1/30/17 0% 620	472FF+12 days	1/30 Leisure Pool Complete
622	02-SUBS	Vertical Circulation Interior Finishes & Fit-out	160 days Thu 5/26/16	Wed 1/4/17 0%		5/26 Vertical Circulation Interior Finishes & Fit-out
623	02-SUBS	Elevator	40 days Tue 11/8/16			11/8 📦 Elevator
624	02-SUBS	Rough In Elevator Rails	4 days Tue 11/8/16		625,451,452	11/8 I Rough in Elevator Ralls
625	02-SUBS	Rough In Elevator Doors	5 days Mon 11/14/16		626	11//4   Rough In Elevator Doors
626 627	02-SUBS 02-SUBS	Install Car Platform  Install Fire Protection In Elevator Shaft	7 days Mon 11/21/16 2 days Wed 11/30/16		627 628	11/21  11/30 Install Car Platform 11/30 Install Fire Protection in Elevator Shaft
628	02-SUBS	Rough In Elevator Equipment	8 days Fri 12/2/16		629	11/30 I Install Fire Protection in Elevator Snart  12/2   Rough In Elevator Equipment
629	02-SUBS	Install Car Finishes	6 days Wed 12/14/16		630	122 v Rough III Levelou Equipment 1214 q   Inisial Car Finishes
630	02-SUBS	Sync Elevator With Fire Alarm (need City's phone lines with dedicated line	3 days Thu 12/22/16		631	12/22 E Sync Elevator With Fire Alarm (need City's phone lines with dedicated line available)
		available)				
631	02-SUBS	Complete Elevator Install & Ready For Inspection	5 days Tue 12/27/16	Mon 1/2/17 0% 630,523FF+1 day	471	12/27 Complete Elevator Install & Ready For Inspection
632	02-SUBS	Main Stair #015 (SW) & Elevator Shaft-Lower Level to Roof Interior Finishes &	160 days Thu 5/26/16	Wed 1/4/17 0%		5/26 🕶 Main Stair #015 (SW) & Elevator Shaft-Lower Level to Roof Interior Finishes & Fit-out
		Fit-out				
633	02-SUBS	Install metal stair-Main Stair #015 (SW)	4 days Thu 5/26/16		634	5/26   Install metal stair-Main Stair #015 (SW)
634	02-SUBS	Prep & Pour stair pans & landings-Main Stair #015 (SW)	1 day Wed 6/1/16		635	6/1   Prep & Pour stair pans & landings-Main Stair #015 (SW)
635 636	02-SUBS	Protect stair pans & landings-Main Stair #015 (SW)	1 day Thu 6/2/16	Thu 6/2/16 0% 634	637,636	6/2   Protect stair pans & landings-Main Stair #015 (SW)
636	02-SUBS 02-SUBS	Unfinished stair in use for workers & material handling #015 (SW)  Frame drywall-Main Stair (SW)-Defer as long as possible in this main stair #015	112 days Fri 6/3/16 4 days Tue 11/8/16		637 638,641,640	Unfinished stair in use for workers & material handling #015 (SW)
03/	U2-3UB3	r rame drywaii-iviairi otali (ovv)-Deler as long as possible in triis main stair #015	+ uays   Tue 11/8/16	070 035,030	030,041,040	11/8 Trame drywall-Main Stair (SW)-Defer as long as possible in this main stair #015
638	02-SUBS	Electrical & fire alarm rough-in-Main Stair #015 (SW)	10 days Mon 11/14/16	Fri 11/25/16 0% 637,462	639,641	11/14 0 Electrical & fire alarm rough-in-Main Stair #015 (SW)
639	02-SUBS	Insulate drywall-Main Stair #015 (SW)	2 days Mon 11/28/16		641	11/28 I insulate drywall-Main Stair #015 (SW)
640	02-SUBS	Roof drain leaders (if any in this stairwell's walls)-Main Stair #015 (SW)	3 days Mon 11/14/16		641	11/14 I Roof drain leaders (if any in this stairwell's walls)-Main Stair #015 (SW)
641	02-SUBS	Inspections-Main Stair #015 (SW)	2 days Wed 11/30/16		642	11/30 I inspections-Main Stair #015 (SW)
642	02-SUBS	Scaffold & Hang drywall-Main Stair #015 (SW)	4 days Fri 12/2/16	Wed 12/7/16 0% 641	643	12/2 T Scaffold & Hang drywall-Main Stair #015 (SW)
643	02-SUBS	Tape & finish drywall-Main Stair #015 (SW)	6 days Thu 12/8/16		644	12/8   Tape & finish drywall-Main Stair #015 (SW)
644	02-SUBS	Prime & finish paint walls, ceilings & stair members-Main Stair #015 (SW)		Thu 12/22/16 0% 643	645,648,647,646	12/16 ɪj Prime & finish paint walls, ceilings & stair members-Main Stair #015 (SW)
645	02-SUBS	Standpipes-Main Stair #015 (SW)	2 days Fri 12/23/16		646,649,647	12/23 g Standpipes-Main Stair #015 (SW)
646	02-SUBS	Light fixtures & exit lighting-Main Stair #015 (SW)	3 days Tue 12/27/16		649	12/27 f Light fixtures & exit lighting-Main Stair #015 (SW)
647 648	02-SUBS 02-SUBS	Sprinkler heads-Main Stair #015 (SW)	2 days Tue 12/27/16		649	12/27 j Sprinkler heads-Main Staff #015 (SW)
648	02-SUBS 02-SUBS	Diffusers/registers & grilles-Main Stair #015 (SW)  Remove stair protection-Main Stair #015 (SW)	2 days Fri 12/23/16 1 day Fri 12/30/16		0.0	12/23 f Diffusers/registers & grilles-Main Stair #015 (SW) 12/30 Remove stair protection-Main Stair #015 (SW)
040	02-3000	Nemove stall protection-Main Stall #013 (SW)	1 uay F11 12/30/16	111 12/30/10 076 040,043,040,047	331,030	12-30   Relitions stell protection-infall stell for 10 (317)
	Adolfeon					07.10.15 DDEI IMINADY SCHEDULE

BARKER	RINKER SEACAT ARC	HITECTURE			HIBIT PROJECT SCHEDULE	CITY AND COUNTY OF DENVER / DENVER PARKS & RECREATION DISTR
					TRAL DENVER RECREATION CENTER	
ID	RESP ESTON Task		Duration Start Finish	% Comp Predecessors Successors	3rd Quart 1st Quart 3rd Quart 3rd Qu	art   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   a Jul   e   o JanMa   a Jul
650 651	02-SUBS 02-SUBS	Install CUH-3 & TF-4 & terminate power to them at Main Stair #015 (SW)  Stair tread & landing finishes (if any)-Main Stair #015 (SW)	2 days Mon 1/2/17 Tue 1/3/17 2 days Tue 1/3/17 Wed 1/4/17	0% 649 651FF+1 day 0% 649,650FF+1 day 652	1/2 T Install CUH-3 & TF-4 & terminate power to them at Main Stair #015 (SW)  1/3 T Stair tread & landing finishes (if any)-Main Stair #015 (SW)	
652	99-ALL M/S	Stain tread & landing linishes (if any)-Main Stair #015 (SW)  Stairwell ready for pre-punch-Main Stair #015 (SW)	0 days Wed 1/4/17 Wed 1/4/17	0% 651 471	1/4 & Stairwell ready for pre-punch-Main Stair #015 (SW)	
653	02-SUBS	NW Exterior Steel Grate Stair (Lower Level to 2nd Level) Interior Finishes &	160 days Thu 5/26/16 Wed 1/4/17	0%	5/26 NW Exterior Steel Grate Stair (Lower Level to 2nd Level) Interior Finishes & Fit-out	
		Fit-out				
654	02-SUBS	Install metal stair-NW Exterior Steel Grate Stair	4 days Thu 5/26/16 Tue 5/31/16	0% 353,363 655	5/26   Install metal stair-NW Exterior Steel Grate Stair	
655	02-SUBS	Prime & finish paint stair members requiring painted finish-NW Exterior Steel Grate Stair	5 days Wed 6/1/16 Tue 6/7/16	0% 654 656	6/1   Prime & finish paint stair members requiring painted finish-NW Exterior Steel Grate Stair	
656	02-SUBS	Finished stair in use for workers & material handling-NW Exterior Steel Grate	146 days Wed 6/8/16 Wed 12/28/16	0% 655 658,657	6/8 Finished stair in use for workers & material handling-NW Exterior Steel Grate Stair	
		Stair				
657	02-SUBS	Exterior light fixtures-NW Exterior Steel Grate Stair	3 days Thu 12/29/16 Mon 1/2/17	0% 656 659,658	12/29 Exterior light fixtures-NW Exterior Steel Grate Stair	
658	02-SUBS	Touch-up paint damaged stair finishes on steel items (if any)-NW Exterior Steel (	2 days Tue 1/3/17 Wed 1/4/17	0% 656,657 659	1/3 Touch-up paint damaged stair finishes on steel items (if any)-NW Exterior Steel Grate Stair	
659 660	99-ALL M/S 02-SUBS	Stairwell ready for pre-punch-NW Exterior Steel Grate Stair  East Stair #116 (Lower Level to Mezzanine for Track Alternate) Interior	0 days Wed 1/4/17 Wed 1/4/17 160 days Thu 5/26/16 Wed 1/4/17	0% 658,657 471 <b>0%</b>	1/4 Stairwell ready for pre-punch-NW Exterior Steel Grate Stair  5/26 East Stair #116 (Lower Level to Mezzanine for Track Alternate) Interior Finishes & Fit-out	
000	02-3053	Finishes & Fit-out	100 days 1110 3/20/10 Wed 1/4/17	0 /8		
661	02-SUBS	Install metal stair-East Stair #116	4 days Thu 5/26/16 Tue 5/31/16	0% 353,365 662	5/26 Install metal stair-East Stair #116	
662	02-SUBS	Prep & Pour stair pans & landings-East Stair #116	1 day Wed 6/1/16 Wed 6/1/16	0% 661 663	6/1   Prep & Pour stair pans & landings-East Stair #116	
663	02-SUBS	Protect stair pans & landings-East Stair #116	1 day Thu 6/2/16 Thu 6/2/16	0% 662 664	6/2   Protect stair pans & landings-East Stair #116	
664 665	02-SUBS 02-SUBS	Frame drywall-East Stair #116	4 days Fri 6/3/16 Wed 6/8/16	0% 663 666,668,665 0% 664 668	6/3   Frame drywall-East Stair #116 6/9   Roof drain leaders (if any in this stairwell's walls)-East Stair #116	
665	02-SUBS 02-SUBS	Roof drain leaders (if any in this stairwell's walls)-East Stair #116  Electrical & fire alarm rough-in-East Stair #116	3 days Thu 6/9/16 Mon 6/13/16 10 days Wed 8/31/16 Tue 9/13/16	0% 664 668 0% 664.467.468 667.668	6/9   Koof drain leaders (if any in this stairwell's walls)-East Stair #116  8/31 @ Electrical & fire alarm rough-in-East Stair #116	
667	02-SUBS	Insulate drywall-East Stair #116	2 days Wed 9/14/16 Thu 9/15/16	0% 666 668	9/14   Insulate drywall-East Stair #116	
668	02-SUBS	Inspections-East Stair #116	2 days Fri 9/16/16 Mon 9/19/16	0% 664,666,667,665 669	9/16 I Inspections-East Stair #116	
669	02-SUBS	Scaffold & Hang drywall-East Stair #116	4 days Tue 9/20/16 Fri 9/23/16	0% 668 670	9/20 I Scaffold & Hang drywall-East Stair #116	
670	02-SUBS	Tape & finish drywall-East Stair #116	6 days Mon 9/26/16 Mon 10/3/16	0% 669 671	9/26   Tape & finish drywall-East Stair #116	
671 672	02-SUBS 02-SUBS	Prime & finish paint walls, ceilings & stair members-East Stair #116  Light fixtures & exit lighting-East Stair #116	5 days Tue 10/4/16 Mon 10/10/16 3 days Thu 10/13/16 Mon 10/17/16	0% 670 675,673,676,672 0% 671,675 677	10/4   Prime & finish paint walls, ceilings & stair members-East Stair #116	
673	02-SUBS	Diffusers/registers & grilles-East Stair #116	2 days Tue 10/11/16 Wed 10/12/16	0% 671 678.677.674SS	10/13   Light fixtures & exit lighting-East Stair #116 10/11   Diffusers/registers & grilles-East Stair #116	
674	02-SUBS	Install CUH-2 & terminate power to it #116	2 days Tue 10/11/16 Wed 10/12/16	0% 673SS 677	10/11 Ţ Install CUH-2 & terminate power to it #116	
675	02-SUBS	Standpipes-East Stair #116	2 days Tue 10/11/16 Wed 10/12/16	0% 671 672,678,676	10/11 T Standpipes-East Stair #116	
676	02-SUBS	Sprinkler heads-East Stair #116	2 days Thu 10/13/16 Fri 10/14/16	0% 671,675 677	10/13 Ţ Sprinkler heads-East Stair #116	
677	02-SUBS	Finished stair in use for workers & material handling-East Stair #116	54 days Tue 10/18/16 Fri 12/30/16	0% 673,676,672,674 678	10/18 Finished stair in use for workers & material handling-East Stair #116	
678 679	02-SUBS 02-SUBS	Remove stair protection-East Stair #116	1 day Mon 1/2/17 Mon 1/2/17 2 days Tue 1/3/17 Wed 1/4/17	0% 675,673,677 679 0% 678 680	1/2 Remove stair protection-East Stair #116	
680	99-ALL M/S	Stair tread & landing finishes (if any)-East Stair #116 Stairwell ready for pre-punch-East Stair #116	0 days Wed 1/4/17 Wed 1/4/17	0% 679 471	1/3 T Stair tread & landing finishes (if any)-East Stair #116  1/4 Stairwell ready for pre-punch-East Stair #116	
681	02-SUBS	FIRST LEVEL INTERIOR FINISHES & FIT-OUT	299 days Mon 12/21/15 Thu 2/9/17	0%	12/21 FIRST LEVEL INTERIOR FINISHES & FIT-OUT	
682	02-SUBS	Exterior Mechanical Well (PDU Units) Interior/Exterior Finishes	135 days Mon 7/4/16 Fri 1/6/17	0%	7/4 Exterior Mechanical Well (PDU Units) Interior/Exterior Finishes & Fit-out	
		& Fit-out				
683	02-SUBS	Form, reinf, place, strip mech well housekeeping pads (if any)	3 days Mon 7/4/16 Wed 7/6/16	0% 399,138FS-4 days 684,694,685,686,68	7.6 7/4 Form, reinf, place, strip mech well housekeeping pads (if any)	
684	02-SUBS	Set curbs & PDU-1 & 2 Installation (attempt to get set while steel erector's crane is on	-	0% 138,683 690,386FF,685	7/7 Set curbs & PDU-1 & 2 Installation (attempt to get set while steel erector's crane is onsite)	
685 686	02-SUBS	Set curbs & AHU-1	2 days Thu 7/14/16 Fri 7/15/16	0% 683,684 690,686	77/4 ; Sot curbs & AHU-1	
686	02-SUBS 02-SUBS	Set curbs & RTU-1 & 2 Set curbs Coolerado evaporative coolers	3 days Mon 7/18/16 Wed 7/20/16 2 days Thu 7/21/16 Fri 7/22/16	0% 683,685 690,687 0% 683,686 690,688	7/18 I Set curbs & RTU-1 & 2 7/21 T Set curbs Coolerado evaporative coolers	
688	02-SUBS	Set curbs & EF-3 & 6 (couldn't locate EF-2 on SD plans)	2 days Mon 7/25/16 Tue 7/26/16	0% 683,687 689	7/25 T Set curbs & EF-3 & 6 (couldn't locate EF-2 on SD plans)	
689	02-SUBS	Set curbs & EF-4 & 5 (all plastic type) - if actually mounted on the roof	2 days Wed 7/27/16 Thu 7/28/16	0% 683,688 690	7/27 I Set curbs & EF-4 & 5 (all plastic type) - if actually mounted on the roof	
690	02-SUBS	Final hook-up of PDU, AHU,RTU, Ev Clr & EF duct, piping, electrical, controls, etc.	30 days Fri 7/29/16 Thu 9/8/16	0% 684,685,686,687,689 691,692,693	7/29 📻 Final hook-up of PDU, AHU,RTU, Ev Cir & EF duct, piping, electrical, controls, etc.	
691	02-SUBS	Start-up & testing of PDU and associated systems	10 days Tue 11/8/16 Mon 11/21/16	0% 690,519,490 582,615,581SS+7 d		
692 693	02-SUBS M/S 02-SUBS M/S	Permanent Heating Functional  Permanent Cooling Functional	0 days Fri 1/6/17 Fri 1/6/17 0 days Fri 1/6/17 Fri 1/6/17	0% 691,690,520,580,611 615 0% 690,691,520,580,611 615	1/6 🌢 Permanent Heating Functional  1/6 🌢 Permanent Cooling Functional	
694	02-SUBS	Generator & ATS Installation (attempt to get set while steel erector's crane is onsite)	5 days Thu 7/7/16 Wed 7/13/16	0% 683,166 695,386FF	7/7 Generator & ATS Installation (attempt to get set while steel erector's crane is onsite)	
			, , , , , , , , , , , , , , , , , , , ,			
695	02-SUBS	Final hook-up of Generator & ATS	15 days Thu 7/14/16 Wed 8/3/16	0% 694,513,514,515 696,519	7/14 g Final hook-up of Generator & ATS	
696	02-SUBS	Start-up & load testing of Generator	5 days Tue 11/8/16 Mon 11/14/16	0% 695,519 472	11/8   Start-up & load testing of Generator	
697	02-SUBS	Administration Offices Interior Finishes & Fit-out	109 days Mon 7/4/16 Thu 12/1/16	0%	7/4 Administration Offices Interior Finishes & Fit-out	
698 699	02-SUBS 02-SUBS	Layout Interior Walls-Administration Offices  Install Large Duct-Administration Offices	2 days Mon 7/4/16 Tue 7/5/16 7 days Wed 7/6/16 Thu 7/14/16	0% 399 699,713 0% 698 700	7/4 T Layout Interior Walls-Administration Offices 7/6 Install Large Duct-Administration Offices	
700	02-SUBS 02-SUBS	Install Interior Walls-Administration Offices	14 days Fri 7/15/16 Wed 8/3/16	0% 698 700 0% 699 701SS,703	//s g install Large Duct-Administration Omices 7/15 g Install Inferior Walis-Administration Offices	
701	02-SUBS	Rough In MEP & FP In Walls & Ceiling-Administration Offices	14 days Fri 7/15/16 Wed 8/3/16	0% 700SS 702	7/15 @ Rough in MEP & FP In Walls & Ceiling-Administration Offices	
702	02-SUBS	Inspect Above Ceilings-Administration Offices	3 days Thu 8/4/16 Mon 8/8/16	0% 701 703	8/4 I Inspect Above Ceilings-Administration Offices	
703	02-SUBS	Rock Tape & Finish Walls-Administration Offices	15 days Tue 8/9/16 Mon 8/29/16	0% 702,700,462 704	8/9 @ Rock Tape & Finish Walls-Administration Offices	
704 705	02-SUBS 02-SUBS	Frame Soffits-Administration Offices Frame Ceilings-Administration Offices	8 days Tue 8/30/16 Thu 9/8/16 6 days Fri 9/9/16 Fri 9/16/16	0% 703 705 0% 704 707,706	8/30   β Frame Soffits-Administration Offices  9/9  β Frame Ceilings-Administration Offices	
705	02-SUBS 02-SUBS	Rock Tape & Finish Ceilings/Soffits-Administration Offices	6 days Fri 9/9/16 Fri 9/16/16 15 days Mon 9/19/16 Fri 10/7/16	0% 704 707,706	9/19 © Rock Tape & Finish Ceilings/Soffits-Administration Offices	
707	02-SUBS	Install MEP & FP Finishes-Administration Offices	5 days Mon 10/10/16 Fri 10/14/16	0% 705,706 709,708	10/10   Install MEP & FP Finishes-Administration Offices	
708	02-SUBS	ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Administration Offices	10 days Mon 10/17/16 Fri 10/28/16	0% 707 709	10/17 © ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections Administration Offices	
709	02-SUBS	Install Floor Finishes & casework-Administration Offices	15 days Mon 10/31/16 Fri 11/18/16	0% 707,708 710	10/31 @ Install Floor Finishes & casework-Administration Offices	
710 711	02-SUBS	Final Paint Entry-Administration Offices	4 days Mon 11/21/16 Thu 11/24/16	0% 709 711	11/21   Final Paint Entry-Administration Offices	
711	00-A & P	Pre-Punch-Administration Offices	5 days Fri 11/25/16 Thu 12/1/16 109 days Wed 7/6/16 Mon 12/5/16	0% 710 472 <b>0%</b>	11/25   Pre-Punch-Administration Offices  7/6  Fiexible Classrom Interior Finishes & Fit-out	
713	02-SUBS	Flexible Classrom Interior Finishes & Fit-out	-		7/6 Layout Interior Walls-Flexible Classrom	
713	02-SUBS 02-SUBS	Layout Interior Walls-Flexible Classrom  Install Large Duct-Flexible Classrom	2 days Wed 7/6/16 Thu 7/7/16 7 days Fri 7/8/16 Mon 7/18/16	0% 399,698 714,728 0% 713 715	7/6   Layout Interior Walls-Hexible Classrom 7/8   Install Large Duct-Flexible Classrom	
715	02-SUBS	Install Interior Walls-Flexible Classrom	14 days Tue 7/19/16 Fri 8/5/16	0% 714 716SS,718	7/19 a Install Interior Walls-Flexible Classrom	
716	02-SUBS	Rough In MEP & FP In Walls & Ceiling-Flexible Classrom	14 days Tue 7/19/16 Fri 8/5/16	0% 715SS 717	7/19 @ Rough in MEP & FP In Walls & Ceiling-Flexible Classrom	
717	02-SUBS	Inspect Above Ceilings-Flexible Classrom	3 days Mon 8/8/16 Wed 8/10/16	0% 716 718	8/8 I Inspect Above Ceilings-Flexible Classrom	
718	02-SUBS	Rock Tape & Finish Walls-Flexible Classrom	15 days Thu 8/11/16 Wed 8/31/16	0% 717,715,462 719	8/11 @ Rock Tape & Finish Walls-Flexible Classrom	
719	02-SUBS	Frame Soffits-Flexible Classrom	8 days Thu 9/1/16 Mon 9/12/16	0% 718 720 0% 719 722,721	9/1 o Frame Soffits-Flexible Classrom	
720 721	02-SUBS	Frame Ceilings-Flexible Classrom	6 days Tue 9/13/16 Tue 9/20/16		9/13   Frame Ceilings-Flexible Classrom	
	02-SUBS	Rock Tape & Finish Ceilings/Soffits-Flexible Classrom	15 days Wed 9/21/16 Tue 10/11/16	0% 720 722	9/21 Cock Tape & Finish Ceilings/Soffits-Flexible Classrom	

02-SUBS

02-SUBS

02-SUBS

02-SUBS

02-SUBS

00-A & P

02-SUBS

Rock Tape & Finish Ceilings/Soffits-Flexible Classrom

ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Flexible Classrom
Install Floor Finishes & casework-Flexible Classrom

Install MEP & FP Finishes-Flexible Classrom

Final Paint Entry-Flexible Classrom

Child Watch Interior Finishes & Fit-out

Pre-Punch-Flexible Classrom

15 days Wed 9/21/16 Tue 10/11/16

5 days Wed 10/12/16 Tue 10/18/16

10 days Wed 10/19/16 Tue 11/1/16

15 days Wed 11/2/16 Tue 11/22/16

4 days Wed 11/23/16 Mon 11/28/16

5 days Tue 11/29/16 Mon 12/5/16

116 days Fri 7/8/16 Fri 12/16/16

0% 720

0% 722

0% 724

0% 725

0% 720,721

0% 722,723

724,723

724

725

472

9/21 Rock Tape & Finish Ceilings/Soffits-Flexible Classrom

10/19 @ ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspection:
11/2 @ Install Floor Finishes & casework-Flexible Classrom
11/23 I Final Paint Entry-Flexible Classrom

10/12 Install MEP & FP Finishes-Flexible Classrom

11/29 Pre-Punch-Flexible Classrom

7/8 Child Watch Interior Finishes & Fit-out

	EXHIBIT PROJECT SCHEDULE CENTRAL DENVER RECREATION CENTER  CITY AND COUNTY OF DENVER / DENVER PARKS & RECREATION DISTRICATION CENTER								
ID F	RESP LE	STON Task Name		Duration	Start	Finish % C	omp Predecessors	Successors	3rd Quart 1st Quart 3rd Quart 1st Quart 3rd Quart 1st Qu
728	02-SUBS		Layout Interior Walls-Child Watch	2 days	Fri 7/8/16	Mon 7/11/16	0% 399,713	729,743	7/8 g Layout Interior Walls-Child Watch
729	02-SUBS		Install Large Duct-Child Watch	7 days	Tue 7/12/16 V	/ed 7/20/16	0% 728	730	7/12 g Install Large Duct-Child Watch
730	02-SUBS		Install Interior Walls-Child Watch	14 days	Thu 7/21/16	Tue 8/9/16	0% 729	731SS,733	7/21 a Install Interior Walls-Child Watch
731	02-SUBS		Rough In MEP & FP In Walls & Ceiling-Child Watch	14 days	Thu 7/21/16	Tue 8/9/16	0% 730SS	732	7/21 a Rough In MEP & FP In Walls & Ceiling-Child Watch
732	02-SUBS		Inspect Above Ceilings-Child Watch	3 days		Fri 8/12/16	0% 731	733	8/10 I Inspect Above Ceilings-Child Watch
733	02-SUBS		Rock Tape & Finish Walls-Child Watch	15 days		Fri 9/2/16	0% 732,730,462	734	8/15 @ Rock Tape & Finish Walls-Child Watch
734	02-SUBS		Frame Soffits-Child Watch	8 days		/ed 9/14/16	0% 733	735	9/5 p Frame Soffits-Child Watch
735	02-SUBS		Frame Ceilings-Child Watch	6 days		Γhu 9/22/16	0% 734	737,736	9/15 Frame Ceilings-Child Watch
736	02-SUBS		Rock Tape & Finish Ceilings/Soffits-Child Watch	15 days			0% 735	737	9/23 @ Rock Tape & Finish Ceilings/Soffits-Child Watch
737	02-SUBS		Install MEP & FP Finishes-Child Watch	5 days			0% 735,736	739,738	10/14 Install MEP & FP Finishes-Child Watch
738	02-SUBS		ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Child Watch	10 days			0% 737	739	10/21 ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Child Watch
739	02-SUBS		Install Floor Finishes & casework including MDF stained/painted inlay feature work that has been added-Child Watch	20 days	Fri 11/4/16	I nu 12/1/16	0% 737,738	740	11/4 anstall Floor Finishes & casework including MDF stained/painted inlay feature work that has been added-Child Watch
740	02-SUBS		Final Paint Entry-Child Watch	6 davs	Fri 12/2/16	Fri 10/0/16	0% 739	744	
740	02-SUBS		Pre-Punch-Child Watch		Mon 12/12/16		0% 739	472	12/2   Final Paint Entry-Child Watch 12/12   Pre-Punch-Child Watch
741	02-SUBS			-	Tue 7/12/16		0% /40	472	7/12 Rostrooms & Janitor's Closet Interior Finishes & Fit-out
			Restrooms & Janitor's Closet Interior Finishes & Fit-out						
743 744	02-SUBS 02-SUBS		Layout Interior Walls-RR's & JC	2 days		/ed 7/13/16	0% 399,728	744,760	7/12 T Layout Interior Walls-RR's & JC
745			Install Large Duct-RR's & JC	7 days		Fri 7/22/16	0% 743	1	7/14   Install Large Duct-RR's & JC
745	02-SUBS		Install Interior Walls-RR's & JC	14 days		Thu 8/11/16	0% 744	746SS,748	7/25 @ Install Interior Walls-RR's & JC 7/25 @ Rough In MEP & FP In Walls & Ceiling-RR's & JC
746	02-SUBS		Rough In MEP & FP In Walls & Ceiling-RR's & JC Inspect Above Ceilings-RR's & JC	14 days		Γhu 8/11/16 Γue 8/16/16	0% 745SS 0% 746	747	
747			-	3 days					8/12 _ Inspect Above Collings-RR's & JC
748	02-SUBS		Rock Tape & Finish Walls-RR's & JC Frame Soffits-RR's & JC	15 days 8 days		Tue 9/6/16 Fri 9/16/16	0% 747,745,462 0% 748	749	8/17 @ Rock Tape & Finish Walls-RR's & JC 9/7 @ Frame Soffits-RR's & JC
750	02-SUBS		Frame Somts-RR's & JC Frame Ceilings-RR's & JC	6 days			0% 748	752,751	9/1 prame Collings-RR's & JC 9/19 prame Ceilings-RR's & JC
751	02-SUBS		Rock Tape & Finish Ceilings/Soffits-RR's & JC	15 days			0% 749	752,751	9/27 @ Rock Tapp & Finish Cellings/Soffits-RR's & JC
751	02-SUBS		Install MEP & FP Finishes-RR's & JC		Tue 10/18/16 M		0% 750,751	754,753	9/2/ By Rock Tape & Finish Centifysionins-RN's & JC 10/18 a Install MEP & FP Finishes-RN's & JC C
753	02-SUBS		ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-RR's & JC		Tue 10/25/16		0% 750,751	755	10/25 @ ACT Celling Grid, Tilles,MEP Firi's & Celling Inspections-RR's & JC
754	02-SUBS		Install Tile Wall & Floor Finishes & casework-RR's & JC		Tue 10/25/16 M		0% 752	755	10/25 @ Install Tile Wall & Floor Finishes & casework-RR's & J.C
755	02-SUBS		Final Paint-RR's & JC		Tue 11/15/16		0% 753,754	758,756	11/15 T Final Paint-RR's & JC
756	02-SUBS		Set Plumbing Fixtures-RR's & JC	- 1	Mon 11/21/16 T		0% 755	757	11/21 ] Set Plumbing Fixtures-RR's & JC
757	02-SUBS		Toilet Partitions & Accessories-RR's & JC		Fri 11/25/16 T		0% 756	758	11/25 Tollet Partitions & Accessories-RR's & JC
758	00-A & P		Pre-Punch-RR's & JC	5 days	Wed 11/30/16	Tue 12/6/16	0% 755,757	472	11/30 Pre-Punch-RR's & JC
759	02-SUBS		FRONT DESK/LOBBY/MAIN ENTRY-Front Desk/Lobby/Main Entry-Interior Finishes & Fit-out	84 days	Thu 7/14/16	Tue 11/8/16	0%		7/14 FRONT DESK/LOBBYMAIN ENTRY-Front Desk/LobbyMain Entry-Interior Finishes & Fit-out
760	02-SUBS		Layout Interior Walls Entry, Lounge, Offices, Child Watch	2 days	Thu 7/14/16	Fri 7/15/16	0% 399,743	761	7/14 T Layout Interior Walls Entry, Lounge, Offices, Child Watch
761	02-SUBS		Install Large Duct In Entry, Lounge, Offices, Child Watch	7 days	Mon 7/18/16	Tue 7/26/16	0% 760	762	7/18   Install Large Duct in Entry, Lounge, Offices, Child Watch
762	02-SUBS		Install Interior Walls Entry, Lounge, Offices, Child Watch	14 days	Wed 7/27/16	/lon 8/15/16	0% 761	763SS,765	7/27 g Install Interior Walls Entry, Lounge, Offices, Child Watch
763	02-SUBS		Rough In MEP & FP In Walls & Ceiling Entry, Lounge, Offices, Child Watch	14 days	Wed 7/27/16	Mon 8/15/16	0% 762SS	764	7/27 🛕 Rough In MEP & FP In Walls & Ceiling Entry, Lounge, Offices, Child Watch
764	02-SUBS		Inspect Above Ceilings Entry, Lounge, Offices, Child Watch	3 days	Tue 8/16/16	Γhu 8/18/16	0% 763	765	8/16 I Inspect Above Ceillings Entry, Lounge, Offices, Child Watch
765	02-SUBS		Rock Tape & Finish Walls at Entry, Lounge, Offices, Child Watch	15 days	Fri 8/19/16	Thu 9/8/16	0% 764,762,462	766	8/19 @ Rock Tape & Finish Walls at Entry, Lounge, Offices, Child Watch
766	02-SUBS		Frame Soffits At Entry, Lounge, Offices, Child Watch	8 days	Fri 9/9/16	Γue 9/20/16	0% 765	767	9/9 of Frame Soffits At Entry, Lounge, Offices, Child Watch
767	02-SUBS		Frame Ceilings at Entry, Lounge, Offices, Child Watch	6 days			0% 766	769,768	9/21 Frame Ceilings at Entry, Lounge, Offices, Child Watch
768	02-SUBS		A&P & Subs fit-out IDF Room #113-Cat-6 Cables brought to room, cable tray hung, power provided for City's equipment, FR plywood mounted on walls where required, lighting installed, door & hardware in place. Concrete sealer after City is finished)	15 days	Thu 9/29/16 W	ed 10/19/16	0%  767	522,773	9/29 Q A&P & Subs fit-out IDF Room #113-Cat-6 Cables brought to room, cable tray hung, power provided for City's equipment, FR plywood mounted on walls where required, lighting installed, door & hardware in place. Concrete sealer after
769	02-SUBS		Install MEP & FP Finishes Entry, Lounge, Offices, Child Watch	5 days	Thu 9/29/16 V	/ed 10/5/16	0% 767	771,770SS+4 days	9/29   Install MEP & FP Finishes Entry, Lounge, Offices, Child Watch
770	02-SUBS		Install CUH-1 in entry vestibule	1 day	Wed 10/5/16 V	/ed 10/5/16	0% 769SS+4 days	773	10/5   Install CUH-1 in entry vestibule
771	02-SUBS		Install Floor Finishes & casework-Entry Area	15 days	Thu 10/6/16 W	ed 10/26/16	0% 769	772	10/6 📵 Install Floor Finishes & casework-Entry Area
772	02-SUBS		Final Paint Entry, Lounge, Offices, Child Watch	4 days	Thu 10/27/16	Tue 11/1/16	0% 771	773	10/27   Final Paint Entry, Lounge, Offices, Child Watch
773	00-A & P		Pre-Punch Entry, Lounge, Offices, Child Watch	5 days	Wed 11/2/16	Tue 11/8/16	0% 772,770,768	472	11/2   Pre-Punch Entry, Lounge, Offices, Child Watch
774	02-SUBS		Retail Alternate 3.C (stand-alone +/- 3,000 sf cold/dark shell) Interior Finishes & Fit-out		Mon 12/21/15		0%		12/21 Retail Alternate 3.C (stand-alone +/- 3,000 sf cold/dark shell) Interior Finishes & Fit-out
775	00-CACD		Make Decision on Retail Alternate 3.C (stand-alone +/- 3,000 sf cold/dark shell)		Mon 12/21/15		0% 117	776	12/21 - Make Decision on Retail Alternate 3.C (stand-alone +/- 3,000 sf cold/dark shell)
776	00-CACD		Retail Alternate 3.C-Award & procure materials (stand-alone +/- 3,000 sf cold/dark shell)	150 days	Mon 3/14/16	Fri 10/7/16	0% 775	777	3/14 Retail Alternate 3.C-Award & procure materials (stand-alone +/- 3,000 sf cold/dark shell)
			/						
777	02-SUBS		Structural Excavation, Foundations & Backfill-Retail Cold Dark shell		Mon 10/10/16		0% 776	778	10/10 g Structural Excavation, Foundations & Backfill-Retail Cold Dark shell
778	02-SUBS		MEP Undeground (if part of scope)-Retail Cold Dark shell			Fri 11/4/16	0% 777	779	10/31 I MEP Undeground (if part of scope)-Retail Cold Dark shell
779 780	02-SUBS		Steel Structure-Retail Cold Dark shell	, .	Mon 11/7/16		0% 778	780 781	117 g Steel Structure-Retail Cold Dark shell
780	02-SUBS 02-SUBS		Roof Deck-Retail Cold Dark shell		Mon 11/21/16 W		0% 779 0% 780	781 782	11/21   Roof Deck-Retail Cold Dark shell
781	02-SUBS		Prep & pour Slab on Grade (if part of scope)-Retail Cold Dark shell  Exterior wall framing-Retail Cold Dark shell		Thu 11/24/16 M Tue 11/29/16 M		0% 780 0% 781	782 783	11/24   Prep & pour Slab on Grade (if part of scope)-Retail Cold Dark shell
783	02-SUBS		Exterior wall framing-Retail Cold Dark shell  Exterior sheathing-Retail Cold Dark shell		Tue 11/29/16 M		0% 781 0% 782	787.784	11/29   Exterior wall framing-Retail Cold Dark shell  12/13   Exterior sheathing-Retail Cold Dark shell
784	02-SUBS		Roof blocking-Retail Cold Dark shell		Tue 12/13/16 M		0% 782	787,784	12/73   Exterior sneathing-retail Coid Dark sneil 12/20   Roof blocking-Retail Coid Dark shell 12/20   Roof blocking-Retail Coid Dark shell
785	02-SUBS		Roof curbs-Retail Cold Dark shell		Fri 12/23/16 M		0% 784	786	12/20 FROOT DIOCKING-Retail Cold Dark Shell
786	02-SUBS		Roofing system-Retail Cold Dark shell		Tue 12/27/16		0% 785	790	12/25 [Roof curis-Retail Cold Dark shell 12/27 [Roofing system-Retail Cold Dark shell
787	02-SUBS		Exterior wall insulation-Retail Cold Dark shell	- 1	Tue 12/20/16 M		0% 783	788	12/20 Exterior wall insulation-Retail Cold Dark shell
788	02-SUBS		Exterior wall cladding-Retail Cold Dark shell			Mon 1/23/17	0% 787	789	12/27 © Exterior wall cladding-Retail Cold Dark shell
789	02-SUBS		Windows, storefronts & entries-Retail Cold Dark shell	10 days		Mon 2/6/17	0% 788	790	1/24 © Windows, storefronts & entries-Retail Cold Dark shell
790	00-A & P		Pre-Punch-Retail Cold Dark shell	3 days		Thu 2/9/17	0% 789,786	996	2/7 T Pro-Punch-Retail Cold Dark shell
791	02-SUBS		SECOND LEVEL INTERIOR FINISHES & FIT-OUT		Mon 8/8/16		0%	1 1 1	8/8 SECOND LEVEL INTERIOR FINISHES & FIT-OUT
792	02-SUBS		Gymnasium & Gym Storage Interior Finishes & Fit-out			lon 2/13/17	0%		8/31 — Gymnasium & Gym Storage Interior Finishes & Fit-out
793	02-SUBS		Layout Gymnasium	-		Thu 9/1/16	0% 467,404,468	794	8/31 T Layout Gymnasium
794	02-SUBS		Install Large Duct In Gymnasium	7 days		/lon 9/12/16	0% 407,404,408	795	9/2 g Install Jago Duct in Gymnasium
795	02-SUBS		Rough In MEP & FP In Walls Gymnasium	14 days		Fri 9/30/16	0% 793	796	9/13 @ Rough MEP & FP In Walls Gymnasium
796	02-SUBS		Inspect Ceilings Gymnasium	3 days			0% 794	797	103 I Inspect Ceilings Gymnasium
796	02-SUBS		Rock Tape & Finish Walls Gymnasium	15 days			0% 795	798	10/6 @ Rock Tape & Finish Walls Gymnasium
798	02-SUBS		Frame Soffits At Gymnasium		Thu 10/27/16		0% 797	799	10/27 (Frame Soffits At Gymnasium
799	02-SUBS		Frame Ceilings at Gymnasium		Tue 11/8/16 T		0% 798	800	10/2/ Frame Collings at Cymnasium 11/8   Frame Collings at Cymnasium
800	02-SUBS		Install MEP & FP Finishes Gymnasium	- 1	Wed 11/16/16 T		0% 799	801	11/16 [ Install MEP & FP Finishes Gymnasium
801	02-SUBS		Install Light Fixtures In Ceiling At Gymnasium	- 1	Wed 11/23/16 T		0% 800	802	11/23 Install Light Fixtures in Colling At Gymnasium
802	02-SUBS		Install Basketball Backstops In Ceiling Gymnasium		Wed 11/30/16		0% 801	803	11/30 Install Basketball Backstops In Ceiling Gymnasium
803	02-SUBS		Install Floor Sleeves Gymnasium		Tue 12/6/16 V		0% 802	804	12/6 Tinstall Floor Sleeves Gymnasium
804	02-SUBS		Final Paint Ceiling Gymnasium		Thu 12/8/16 T		0% 803	805	12/8   Final Paint Coiling Gymnasium
004				. uays	12010			1	

BARKE	R RINKER SEACAT	XHIBIT PROJECT SCHEDULE  CITY AND COUNTY OF DENVER / DENVER PARKS & RECREATION DISTRICT  NTRAL DENVER RECREATION CENTER						
ID		√Task Name	Duration	Start	Finish % C	omp Predecessors	Successors	Str Quart   1st Quart   3rd Quart   3rd
805 806	02-SUBS	Bring Wood Flooring To Project To Acclimate Gymnasium  Start Up Mechanical Equipment To Maintain Temp For Wood Acclimation		Wed 12/14/16 Thu 12/15/16	Wed 12/14/16 Thu 12/15/16	0% 804,921 0% 805,527,468,447	806 807	12/14   Bring Wood Flooring To Project To Accilmate Gymnasium 12/15   Start Up Mechanical Equipment To Maintain Temp For Wood Accilmation Gymnasium
		Gymnasium						
807 808	02-SUBS 02-SUBS	Install Wood Flooring Underlayment Gymnasium Install Wood Flooring Gymnasium	8 days	Fri 12/16/16 Wed 12/28/16	Tue 12/27/16 Fri 1/6/17	0% 806 0% 807	808	12/16 install Wood Flooring Underlayment Gymnasium 12/28 install Wood Flooring Gymnasium
809	02-SUBS	Sand & Prep Wood Flooring For Finish Gymnasium	4 days	Mon 1/9/17		0% 808	810	1/220 Instant involve Tooling Symmestum  1/9 Sand & Prep Wood Flooring For Finish Gymnasium
810	02-SUBS	Seal Wood Floor Gymnasium	2 days	Fri 1/13/17	Mon 1/16/17	0% 809	811	1/13 I Seal Wood Floor Gymnasium
811 812	02-SUBS 02-SUBS	Stripe and Paint Wood Floor Gymnasium Final Coats Wood Floor Finish Gymnasium	5 days	Tue 1/17/17 Tue 1/24/17		0% 810 0% 811	812	1/17   Stripe and Paint Wood Floor Gymnasium 1/24   Final Coats Wood Floor Finish Gymnasium
813	02-SUBS	Final Paint Gymnasium	4 days	Tue 1/31/17		0% 812	814	1/31 I Final Paint Gymnasium
814	00-A & P	Pre-Punch Gymnasium	6 days	Mon 2/6/17		0% 813	472FF+3 days	2/6 Pre-Punch Gymnasium
815	02-SUBS	Group Exercise Interior Finishes & Fit-out	99 days		Thu 12/22/16	0%		8/8 Group Exercise Interior Finishes & Fit-out
816 817	02-SUBS 02-SUBS	Layout Interior Walls-Group Excercise Install Large Duct-Group Excercise	2 days 7 days	Mon 8/8/16 Wed 8/10/16	Tue 8/9/16 Thu 8/18/16	0% 462,404,916 0% 816	817,831 818	8/8 I Layout Interior Walls-Group Excercise 8/10   8/10
818	02-SUBS	Install Interior Walls-Group Excercise	14 days	Fri 8/19/16		0% 817	819SS,821	8/19 g Install Interior Walls-Group Excercise
819	02-SUBS	Rough In MEP & FP In Walls & Ceiling-Group Excercise	14 days	Fri 8/19/16		0% 818SS	820	8/19 @ Rough In MEP & FP In Walls & Ceilling-Group Excercise
820 821	02-SUBS 02-SUBS	Inspect Above Ceilings-Group Excercise  Rock Tape & Finish Walls-Group Excercise	3 days 15 days	Thu 9/8/16 Tue 9/13/16	Mon 9/12/16 Mon 10/3/16	0% 819 0% 820,818	821 822	9/8 I Inspect Above Ceilings-Group Excercise 9/13 @ Rock Tape & Finish Walls-Group Excercise
822	02-SUBS	Frame Soffits-Group Excercise	8 days		Thu 10/13/16	0% 821	823	10/4 § Frame Soffits-Group Excercise
823	02-SUBS	Frame Ceilings-Group Excercise	6 days		Fri 10/21/16	0% 822	825,824	10/14   Frame Ceilings-Group Excercise
824 825	02-SUBS 02-SUBS	Rock Tape & Finish Ceilings/Soffits-Group Excercise  Install MEP & FP Finishes-Group Excercise			Fri 11/11/16 Fri 11/18/16	0% 823 0% 823,824	825 827,826	10/24 @ Rock Tape & Finish Ceilings/Soffits-Group Excercise 11/14   Install MEP & FP Finishes-Group Excercise
826	02-SUBS	ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Group Excercise			Fri 12/2/16	0% 825	828	11/12   ACT Ceiling fift is & Ceiling Inspections-Group Excercise
827	02-SUBS	Install Floor Finishes & casework-Group Excercise			Fri 12/9/16	0% 825	828	11/21  nstall Floor Finishes & casework-Group Excercise
828	02-SUBS	Final Paint-Group Excercise			Thu 12/15/16	0% 826,827	829	12/12 I Final Paint-Group Excercise
829 830	00-A & P	Pre-Punch-Group Excercise  Restrooms & Storage Interior Finishes & Fit-out	5 days		Thu 12/22/16 Wed 1/4/17	0% 828 0%	472	12/16 pre-Punch-Group Excercise  8/10 Exercise Restrooms & Storage Interior Finishes & Fit-out
831	02-SUBS	Layout Interior Walls-RR's & Storage	2 days		Thu 8/11/16	0% 462,816,404,916	832,848	8/10 Ţ Layout Interior Walls-RR's & Storage
832	02-SUBS	Install Large Duct-RR's & Storage	7 days	Fri 8/12/16		0% 831	833	812 ↑ Install Large Duct-RR's & Storage
833	02-SUBS	Install Interior Walls-RR's & Storage	14 days	Tue 8/23/16	Fri 9/9/16	0% 832	834SS,836	8/23 @ install Interior Walls-RR's & Storage
834 835	02-SUBS 02-SUBS	Rough In MEP & FP In Walls & Ceiling-RR's & Storage Inspect Above Ceilings-RR's & Storage	14 days 3 days	Tue 8/23/16	Fri 9/9/16 Wed 9/14/16	0% 833SS 0% 834	835	8/23 @ Rough In MEP & FP In Walls & Ceiling-RR's & Storage  9/12   Inspect Above Ceilings-RR's & Storage
836	02-SUBS	Rock Tape & Finish Walls-RR's & Storage	15 days		Wed 10/5/16	0% 835,833	837	9/15 @ Rook Tape & Finish Walls ARPs & Storage  9/16 @ Rook Tape & Finish Walls ARPs & Storage
837	02-SUBS	Frame Soffits-RR's & Storage	8 days	Thu 10/6/16	Mon 10/17/16	0% 836	838	10/6 g Frame Soffits-RR's & Storage
838 839	02-SUBS 02-SUBS	Frame Ceilings-RR's & Storage			Tue 10/25/16	0% 837	840,839	10/18 p Frame Ceilings-RR's & Storage
840	02-SUBS	Rock Tape & Finish Ceilings/Soffits-RR's & Storage Install MEP & FP Finishes-RR's & Storage	-		Tue 11/15/16 Tue 11/22/16	0% 838 0% 838,839	842,841	10/26 @ Rock Tape & Finish Ceilings/Soffits-RR's & Storage 11/16   Install MEP & FP Finishes-RR's & Storage
841	02-SUBS	ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-RR's & Storage			Tue 12/6/16	0% 840	843	11/23 @ ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-RR's & Storage
842	02-SUBS	Install Tile Wall & Floor Finishes & casework-RR's & Storage			Tue 12/13/16	0% 840	843	11/23 g Install Tile Wall & Floor Finishes & casework-RR's & Storage
843 844	02-SUBS 02-SUBS	Final Paint-RR's & Storage Set Plumbing Fixtures-RR's & Storage			Mon 12/19/16 Fri 12/23/16	0% 841,842 0% 843	846,844	12/14   Final Paint-RR's & Storage 12/20   Set Plumbing Fixtures-RR's & Storage
845	02-SUBS	Toilet Partitions & Accessories-RR's & Storage		Mon 12/26/16		0% 844	846	12/26   Tollet Partitions & Accessories-RR's & Storage
846	00-A & P	Pre-Punch-RR's & Storage	5 days	Thu 12/29/16	Wed 1/4/17	0% 843,845	472	12/29 Pre-Punch-RR's & Storage
847	02-SUBS	Fitness Studio Interior Finishes & Fit-out	99 days		Wed 12/28/16	0%		8/12 Fitness Studio Interior Finishes & Fit-out
848 849	02-SUBS 02-SUBS	Layout Interior Walls-Fitness Studio Install Large Duct-Fitness Studio	2 days 7 days	Fri 8/12/16 Tue 8/16/16		0% 462,831,404,916 0% 848	849,864	8/12 I Layout Interior Walls-Fitness Studio 8/16   Install Large Duct-Fitness Studio
850	02-SUBS	Install Interior Walls-Fitness Studio	14 days	Thu 8/25/16		0% 849	851SS,853	8/25 g Install Interior Walls-Fitness Studio
851	02-SUBS	Rough In MEP & FP In Walls & Ceiling-Fitness Studio	14 days	Thu 8/25/16	Tue 9/13/16	0% 850SS	852	8/25 G Rough In MEP & FP In Walls & Ceiling-Fitness Studio
852	02-SUBS	Inspect Above Ceilings-Fitness Studio  Rock Tane & Finish Walls-Fitness Studio			Fri 9/16/16	0% 851	853 855.854	9/14 I Inspect Above Ceilings-Fitness Studio
853	02-SUBS 02-SUBS	A&P & Subs fit-out IDF Room #213-Cat-6 Cables brought to room, cable tray hung,			Fri 10/7/16 Fri 10/28/16	0% 852,850 0% 853	862	9/19 @ Rock Tape & Finish Walls-Fitness Studio 10/10 @ A&P & Subs fit-out IDF Room #213-Cat-6 Cables brought to room, cable tray hung, power provided for City's equipment, FR plywood mounted on walls where required, lighting installed, door & hardware in place. Concrete sealer after
		power provided for City's equipment, FR plywood mounted on walls where required, lighting installed, door & hardware in place. Concrete sealer after City is finished)						
855	02-SUBS	Frame Soffits-Fitness Studio			Wed 10/19/16	0% 853	856	10/10 ≬ Frame Soffits-Fitness Studio
856 857	02-SUBS 02-SUBS	Frame Ceilings-Fitness Studio  Rock Tape & Finish Ceilings/Soffits-Fitness Studio			Thu 10/27/16 Thu 11/17/16	0% 855 0% 856	858,857 858	10/20 ↑ Frame Ceilings-Fitness Studio 10/28 ↑ Rock Tape & Finish Ceilings/Soffits-Fitness Studio
858	02-SUBS	Rock Tape & Finish Ceilings/Soffits-Fitness Studio  Install MEP & FP Finishes-Fitness Studio			Thu 11/1/16 Thu 11/24/16	0% 856,857	860,859	10/28 © Rock Tape & Finish Cellings Soffits Fitness Studio  11/18   Install MEP & FP Finishes-Fitness Studio
859	02-SUBS	ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Fitness Studio	10 days	Fri 11/25/16	Thu 12/8/16	0% 858	861	11/25 @ ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Fitness Studio
860 861	02-SUBS	Install Floor Finishes & casework-Fitness Studio	15 days		Thu 12/15/16	0% 858	861 862	11/25 anstall Floor Finishes & casework-Fitness Studio
861	02-SUBS 00-A & P	Final Paint-Fitness Studio Pre-Punch-Fitness Studio			Wed 12/21/16 Wed 12/28/16	0% 859,860 0% 861,854	862 472	12/16 j Final Paint-Fitness Studio 12/22 Pre-Punch-Fitness Studio
863	02-SUBS	Plyometrics Interior Finishes & Fit-out (is it two floors of space or two stories tall?)			Fri 12/30/16	0%		8/16 Plyometrics Interior Finishes & Fit-out (is it two floors of space or two stories tall?)
864	02-SUBS	Layout Interior Walls-2nd Lvl Plyometrics	2 days		Wed 8/17/16		865,879	8/16 Ţ Layout Interior Walls-2nd Lvl Plyometrics
865	02-SUBS	Install Large Duct-2nd Lvl Plyometrics	7 days		Fri 8/26/16	0% 864	866	8/18   Install Large Duct-2nd Lvl Plyometrics 8/29   Install Interior Walls-2nd Lvl Plyometrics
866 867	02-SUBS 02-SUBS	Install Interior Walls-2nd Lvl Plyometrics  Rough In MEP & FP In Walls & Ceiling-2nd Lvl Plyometrics	14 days		Thu 9/15/16 Thu 9/15/16	0% 865 0% 866SS	867SS,869 868	8/29 a Install Interior Walls-2nd LVI Plyometrics  8/29 a Rough In MEP & FP In Walls & Ceiling-2nd LVI Plyometrics
868	02-SUBS	Inspect Above Ceilings-2nd Lvl Plyometrics	3 days		Tue 9/20/16	0% 867	869	9/16   Inspect Above Coilings-2nd Lvl Plyometrics
869	02-SUBS	Rock Tape & Finish Walls-2nd Lvl Plyometrics			Tue 10/11/16	0% 868,866	870	9/21 @ Rock Tape & Finish Walls-2nd LvI Plyometrics
870 871	02-SUBS 02-SUBS	Frame Soffits-2nd Lvl Plyometrics Frame Ceilings-2nd Lvl Plyometrics			Fri 10/21/16 Mon 10/31/16	0% 869 0% 870	871 873,872	10/12 p Frame Soffits-2nd Lvl Plyometrics 10/24 Frame Ceilings-2nd Lvl Plyometrics
872	02-SUBS	Rock Tape & Finish Ceilings/Soffits-2nd Lvl Plyometrics			Mon 11/21/16	0% 870	873	11/1 © Rock Tape & Finish Cellings/Soffits-2nd Lvl Plyometrics
873	02-SUBS	Install MEP & FP Finishes-2nd Lvl Plyometrics	5 days	Tue 11/22/16	Mon 11/28/16	0% 871,872	875,874	11/22 Î install MEP & FP Finishes-2nd Lvl Plyometrics
874	02-SUBS	ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-2nd Lvl Plyometrics			Mon 12/12/16	0% 873	876	11/29 ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-2nd Lvl Plyometrics
875 876	02-SUBS 02-SUBS	Install Floor Finishes & casework-2nd Lvl Plyometrics Final Paint Entry-2nd Lvl Plyometrics			Mon 12/19/16 Fri 12/23/16	0% 873 0% 874,875	876 877	11/29 ginstall Floor Finishes & casework-2nd LvI Plyometrics 12/20 Finial Paint Entry-2nd LvI Plyometrics
877	00-A & P	Pre-Punch-2nd Lvi Plyometrics			Fri 12/30/16	0% 876	472	12/26 Pre-Punch-2nd LvI Plyometrics
878	02-SUBS	Cardio/Weight Room-Interior Finishes & Fit-out	99 days	Thu 8/18/16	Tue 1/3/17	0%		8/18 Cardio/Weight Room-Interior Finishes & Fit-out
879	02-SUBS	Layout Interior Walls-Cardio/Weight Rm	2 days	Thu 8/18/16	Fri 8/19/16	0% 462,864,404,916	880,897	8/18 Ţ Layout Interior Walls-Cardio/Weight Rm

879 880

02-SUBS

02-SUBS

Rough In MEP & FP In Walls & Ceiling-Cardio/Weight Rm

Layout Interior Walls-Cardio/Weight Rm Install Large Duct-Cardio/Weight Rm

Install Interior Walls-Cardio/Weight Rm

7 days Mon 8/22/16 Tue 8/30/16

14 days Wed 8/31/16 Mon 9/19/16

14 days Wed 8/31/16 Mon 9/19/16

0% 879

0% 880

0% 881SS

882SS,884

8/22 | Install Large Duct-Cardio/Weight Rm

8/31 Install Interior Walls-Cardio/Weight Rm

8/31 Rough In MEP & FP In Walls & Ceiling-Cardio/Weight Rm

BARKEI	BARKER RINKER SEACAT ARCHITECTURE  EXHIBIT PROJECT SCHEDULE  CENTRAL DENVER RECREATION CENTER								
ID	RESP LE	STON Task Name		Duration	Start	Finish % Comp	Predecessors	Successors	3rd Quart   1st Quart   3rd Quart   3rd Qu
883	02-SUBS		ect Above Ceilings-Cardio/Weight Rm	3 days			% 882	884	
884 885	02-SUBS		Tape & Finish Walls-Cardio/Weight Rm	15 days			% 883,881	885	9/23 @ Rock Tape & Finish Walls-Cardio/Weight Rm
885	02-SUBS 02-SUBS		ne Soffits-Cardio/Weight Rm ne Ceilings-Cardio/Weight Rm	8 days	Fri 10/14/16 Wed 10/26/16		% 884 % 885	888.887	10/14 of Frame Soffits-Cardio/Weight Rm  10/26 of Frame Ceilings-Cardio/Weight Rm
887	02-SUBS		k Tape & Finish Ceilings/Soffits-Cardio/Weight Rm		Thu 11/3/16 W		% 886	888	1/13 G Rock Tape & Finish Ceilings/Soffits-Cardio/Weight Rm
888	02-SUBS		Ill MEP & FP Finishes-Cardio/Weight Rm		Thu 11/24/16 W		% 886,887	892,891,889SS+2 days	
889	02-SUBS	Insta	all back boxes, supports, conduit & wire to the two HVLS fans-CF-1 & 2	4 days	Mon 11/28/16	Thu 12/1/16 0	% 888SS+2 days	890	11/28 I Install back boxes, supports, conduit & wire to the two HVLS fans-CF-1 & 2
890	02-SUBS		g HVLS CF-1 & 2 fans & terminate wiring	2 days	Fri 12/2/16	Mon 12/5/16 0	% 889	891	12/2 I Hang HVLS CF-1 & 2 fans & terminate wiring
891	02-SUBS		Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Cardio/Weight Rm		Tue 12/6/16 N		% 888,890	893	12/6 pACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Cardio/Weight Rm
892 893	02-SUBS		all Floor Finishes & casework-Cardio/Weight Rm	15 days			% 888	893	12/1 g Install Floor Finishes & casework-Cardio/Weight Rm
893	02-SUBS 00-A & P		l Paint-Cardio/Weight Rm Punch-Cardio/Weight Rm		Thu 12/22/16 Thu 12/28/16		% 891,892 % 893	472	12/22 Final Paint-CardioWeight Rm 12/28 Pre-Punch-CardioWeight Rm
895	02-SUBS		LEVEL INTERIOR FINISHES & FIT-OUT				%	772	12/21 MEZZANINE LEVEL INTERIOR FINISHES & FIT-OUT
896	02-SUBS		rics Interior Finishes & Fit-out (is it two floors of	-			%		8/22 Plyometrics Interior Finishes & Fit-out (is it two floors of space or two stories tall?)
			two stories tall?)						
897	02-SUBS	Layo	out Interior Walls-Mz Lvl Plyometrics	2 days	Mon 8/22/16	Tue 8/23/16 0	% 879,462,404,916	898	8/22 I Layout Interior Walls-Mz LvI Plyometrics
898	02-SUBS	Insta	all Large Duct-Mz Lvl Plyometrics	7 days	Wed 8/24/16		% 897	899	8/24 ≰ Install Large Duct-Mz LvI Plyometrics
899	02-SUBS		Ill Interior Walls-Mz Lvl Plyometrics	14 days			% 898	900SS,902	9/2 an Install Interior Walls-Mz Lvi Plyometrics
900	02-SUBS		gh In MEP & FP In Walls & Ceiling-Mz Lvl Plyometrics	14 days			% 899SS	901,917	9/2 @ Rough In MEP & FP In Walls & Ceiling-Mz Lvl Plyometrics
901	02-SUBS 02-SUBS		ect Above Ceilings-Mz Lvl Plyometrics  x Tape & Finish Walls-Mz Lvl Plyometrics	3 days			% 900 % 901,899	902	9/22   Inspect Above Ceilings-Mz Lvl Plyometrics 9/27   Rock Tape & Finish Walls-Mz Lvl Plyometrics
903	02-SUBS		ne Soffits-Mz LvI Plyometrics	8 days			% 902	904	10/18 of Frame Soffits-ML Lvl Plyometrics
904	02-SUBS		ne Ceilings-Mz LvI Plyometrics	6 days			% 903	906,905	10/28   Frame Ceilings-Mz Lul Plyometrics
905	02-SUBS		x Tape & Finish Ceilings/Soffits-Mz Lvl Plyometrics	15 days	Mon 11/7/16		% 904	906	11/7 @ Rock Tape & Finish Ceilings/Soffits-Mz LvI Plyometrics
906	02-SUBS		III MEP & FP Finishes-Mz Lvl Plyometrics				% 904,905	908,907	11/28 I Install MEP & FP Finishes-Mz LvI Plyometrics
907	02-SUBS		Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Mz Lvl Plyometrics				% 906	909	12/5 g ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Mz LvI Plyometrics
908	02-SUBS		all Floor Finishes & casework-Mz Lvl Plyometrics		Mon 12/5/16		% 906 % 908 907	909	12/5 @ Install Floor Finishes & casework-Mz Lvl Plyometrics
909	02-SUBS 00-A & P		I Paint-Mz LvI Plyometrics Punch-Mz LvI Plyometrics		Mon 12/26/16 Tri 12/30/16		% 908,907 % 909	910 472	12/26 [ Final Paint-Mz Lvl Plyometrics 12/30   Pre-Punch-Mz Lvl Plyometrics
911	02-SUBS		og Track Alternate 4A Interior Finishes & Fit-out (develop		Mon 12/21/15 T		%	772	12/21 Walk/Jog Track Alternate 4A Interior Finishes & Fit-out (develop some detail, but don't link to Substantial Completion without go / no-go decision)
			tail, but don't link to Substantial Completion without go						
		/no-go	decision)						
912	00-CACD	Mak	e decision on alternate 4A-Walk/Jog Track	60 days	Mon 12/21/15	Fri 3/11/16 0	% 117	913	12/21 Make decision on alternate 4A-Walk/Jog Track
913	00-CACD		nate 4A-Award & procure materials-Walk/Jog Track	0 days			% 912	914	3/11 \$\infty\$ Alternate 4A-Award & procure materials-Walki/Jog Track
914	02-SUBS		I installation (needs to go when rest of steel is erected)-Walk/Jog Trk	8 days				915	5/5 @ Steel installation (needs to go when rest of steel is erected)-Walk/Jog Trk
915	02-SUBS		k & rail installation (needs to go when rest of steel is erected)-Walk/Jog Trk				% 914,377SS,378SS,38		7/20 © Deck & rail installation (needs to go when rest of steel is erected)-Walk/Jog Trk
916	02-SUBS	Prep	/Place SOMD (needs to go when rest of concrete is poured)-Walk/Jog Trk	3 days	Wed 8/3/16	Fri 8/5/16 0	% 915,378,388	917,816,831,848,864,8	8/3 T Prep/Place SOMD (needs to go when rest of concrete is poured)-Walk/Jog Trk
917	02-SUBS		gh-In MEP & FP & Lighting above & below track structure-Walk/Jog Trk				% 916,900	918	9/22 @ Rough-in MEP& FP & Lighting above & below track structure-Walk/Jog Trk
918	02-SUBS		ect Ceiling MEP & FP above & below track structure-Walk/Jog Trk		Wed 10/12/16		% 917	919	10/12 Ţ Inspect Ceiling MEP & FP above & below track structure-Walk/Jog Trk
919 920	02-SUBS 02-SUBS		all FP Spr Heads & Light Fixtures (underside)-Walk/Jog Trk  I Paint Rails & underside of structure-Walk/Jog Trk		Mon 10/17/16 Mon 10/24/16		% 918 % 919	921,920	10/17   Install FP Spr Heads & Light Fixtures (underside)-Walk/Jog Trk 10/24   Final Paint Rails & underside of structure-Walk/Jog Trk
920	02-SUBS		Il Rubber Athletic Floor Finishes-Walk/Jog Trk (if alternate is accepted,		Fri 10/28/16		% 919,920	921,805	10/28 g Install Rubber Athletic Floor Finishes-Walk/Jog 7ft (if alternate is accepted, preference is to have the work this far before wood floor goes in on gym below)
		prefe	erence is to have the work this far before wood floor goes in on gym below)	,.					
922	00-A & P		Punch-Walk/Jog Trk		Fri 11/18/16		% 921	996,472	11/18 I Pro-Punch-Walk/Jog Trk
923 924	02-SUBS		EVEL INTERIOR FINISHES & FIT-OUT	-			%		12/21 ROOFTOP LEVEL INTERIOR FINISHES & FIT-OUT  12/21 ROOF Level Alternate 2.D (Rooftop community meeting room) Interior Finishes & Fit-out (not linked to Substantial Completion without go / no-go decision)
	02-SUBS	Interior without	vel Alternate 2.D (Rooftop community meeting room) Finishes & Fit-out (not linked to Substantial Completion go / no-go decision)		Mon 12/21/15		%		
925	00-CACD		e decision on alternate 2.D Rf Lvl Community meeting room				% 117	926	12/21 Make decision on alternate 2.D Rf Lvl Community meeting room
926	00-CACD	Alter	nate 2.D-Award & procure materials Rf Lvl Community meeting room,	138 days	Mon 3/14/16	Ved 9/21/16 0	% 925	927	3/14 Alternate 2.D-Award & procure materials Rf LvI Community meeting room,
927	02-SUBS	Lavo	out Interior Walls-Rf LvI Mtg Rm	2 days	Thu 9/22/16	Fri 9/23/16 0	% 926	928	9/22 Ţ Layout Interior Walls-Rf LvI Mtg Rm
928	02-SUBS	Insta	all Large DuctRf Lvl Mtg Rm	7 days	Mon 9/26/16	Tue 10/4/16 0	% 927	929	9/26 nstall Large DuctRf LvI Mtg Rm
929	02-SUBS		Ill Interior WallsRf Lvl Mtg Rm		Wed 10/5/16 N		% 928	930SS,932	10/5 @ Install Interior Walls-Rf Lv/I Mtg Rm
930	02-SUBS		gh In MEP & FP In Walls & Ceiling-Rf Lvl Mtg Rm		Wed 10/5/16 N		% 929SS	931	10/5 @ Rough In MEP & FP In Walls & Ceiling-Rf LvI Mtg Rm
931 932	02-SUBS 02-SUBS		ect Above Ceilings-Rf Lvl Mtg Rm		Tue 10/25/16		% 930 % 931,929	932	10/25 7 Inspect Above Ceilings-Rf Lvi Mtg Rm
932	02-SUBS 02-SUBS		k Tape & Finish Walls-Rf Lvl Mtg Rm ne Soffits-Rf Lvl Mtg Rm		Fri 10/28/16 Tri 11/18/16		% 931,929 % 932	933	10/28 @ Rock Tape & Finish Walls-Rf LvI Mtg Rm 11/18 @ Frame Soffits-Rf LvI Mtg Rm
934	02-SUBS		ne Ceilings-Rf LvI Mtg Rm		Wed 11/30/16		% 933	936,935	11/30 g Fame Collings-Rt Lvi mg Rni 11/30 g Fame Collings-Rt Lvi Mg Rm
935	02-SUBS		x Tape & Finish Ceilings/Soffits-Rf Lvl Mtg Rm	3 days			% 934	937	12/8   Rock Tape & Finish Cellings/Soffits-Rf LvI Mtg Rm
936	02-SUBS	Insta	all MEP & FP Finishes-Rf Lvl Mtg Rm	5 days	Thu 12/8/16 W	ed 12/14/16 0	% 934	938,937	12/b   Install MEP & FP Finishes-Rf Lvi Mtg Rm
937	02-SUBS		Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-Rf Lvl Mtg Rm		Thu 12/15/16 N		% 936,935	938	12/15 g ACT Ceilling Grid, Tiles,MEP Fin's & Ceilling Inspections-Rf LvI Mtg Rm
938	02-SUBS		Ill Floor Finishes & casework-Rf Lvl Mtg Rm		Tue 12/27/16		% 936,937	939	12/27 ig Install Floor Finishes & Casework-Rf Lvl Mtg Rm
939 940	02-SUBS 00-A & P		I Paint-Rf LvI Mtg Rm Punch-Rf LvI Mtg Rm	4 days			% 938 % 939	940	1/17 T Final Paint-Rf LvI Mtg Rm 1/23 T Pre-Punch-Rf LvI Mtg Rm
941	02-SUBS	Roof Le	vel Kitchen Alternate 2.D (catering) Interior Finishes & (not linked to Substantial Completion without go / no-go		Mon 12/21/15		%	330	12/21 Roof Level Kitchen Alternate 2.D (catering) Interior Finishes & Fit-out (not linked to Substantial Completion without go / no-go decision)
942	00-CACD		e decision on alternate 2.D Catering kitchen		Mon 12/21/15		% 117	943	12/21 🚃 Make decision on alternate 2.D Catering kitchen
943	00-CACD		rate 2.D-award & procure materials Catering kitchen		Mon 3/14/16		% 942 % 043	944	3/14 Alternate 2.D-award & procure materials Catering kitchen
944	02-SUBS 02-SUBS		out Interior Walls-RF Lvl catering kitchen  Ill Ductwork-RF Lvl catering kitchen	2 days 7 days	Wed 9/21/16 Fri 9/23/16		% 943 % 944	946	9/21 Ţ Layout Interior Walls-RF LvI catering kitchen 9/23 @ Install Ductwork-RF LvI catering kitchen
945	02-SUBS		Ill Interior Walls-RF Lvl catering kitchen	14 days			% 945	947SS,949	10/4 @ Install Interior Walls-RF LvI catering kitchen
947	02-SUBS		gh In MEP & FP In Walls & Ceiling-RF Lvl catering kitchen	14 days			% 946SS	948	10/4 © Rough in MEP & FP in Walls & Coiling-RF Lvl catering kitchen
948	02-SUBS		ect Above Ceilings-RF Lvl catering kitchen		Mon 10/24/16 W		% 947	949	10/24 I Inspect Above Ceilings-RF LvI catering kitchen
949	02-SUBS		Tape & Finish Walls-RF Lvl catering kitchen		Thu 10/27/16 W		% 948,946	950	10/27 @ Rock Tape & Finish Walls-RF Lvi catering kitchen
950	02-SUBS		ne Soffits-RF Lvl catering kitchen		Thu 11/17/16 N		% 949	951	11/17 g Frame Soffits-RF LvI catering kitchen
951	02-SUBS		ne Ceilings-RF Lvl catering kitchen		Tue 11/29/16		% 950	953,952	11/29   Frame Ceilings-RF Lvi catering kitchen
952	02-SUBS		x Tape & Finish Ceilings/Soffits-RF LvI catering kitchen	-	Wed 12/7/16		% 951	954	12/7   Rock Tape & Finish Ceilings/Soffits-RF Lvl catering kitchen
953 954	02-SUBS 02-SUBS		all MEP & FP Finishes-RF Lvl catering kitchen		Wed 12/7/16		% 951 % 052	955 955	12/7   Install MEP & FP Finishes-RF LvI catering kitchen 12/12   ACT Ceiling Grid Tiles MEP Fin's & Ceiling Inspections-PE LvI catering kitchen
954	02-SUBS 02-SUBS		Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-RF Lvl catering kitchen  Ill Floor Finishes & casework-RF Lvl catering kitchen		Mon 12/12/16 Mon 12/26/16		% 952 % 953,954	955 957,956	12/12 0 ACT Ceiling Grid, Tiles,MEP Fin's & Ceiling Inspections-RF LvI catering kitchen  12/26 0 Install Floor Finishes & casework-RF LvI catering kitchen
956	02-SUBS		d service equip install & Plumb/elect hook-up-RF Lvl catering kitchen		Mon 1/16/17		% 955 % 955	958	1/16   Food service equip install 8   Pumb/elect hook-up-RF Lvl catering kitchen
957	02-SUBS		I Paint-RF LvI catering kitchen		Mon 1/16/17		% 955	958	116 [ Final Paint-RF Lvi catering kitchen

BARKE	R RINKER SEACAT	ARCHITECTURE					HIBIT PROJECT SCHEDULE RAL DENVER RECREATION CENTER
ID	RESP ESTON	Task Name	Duration Start	Finish	% Comp Predecessors	Successors	3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Quart   1st Quart   3rd Qu
958	00-A & P	Pre-Punch-RF Lvl catering kitchen	5 days   Mon 1/23/	/17 Fri 1/27/17	7 0% 957.956	959	3rd Quart   1st Quart   3rd Quart   3rd
959	02-SUBS	Health Department Inspection & Sign-off-RF Lvl catering kitchen	1 day Mon 1/30/		,	996	1/30   Health Department Inspection & Sign-off-RF LvI catering kitchen
960	02-SUBS	Roof Level Alternate 2.D (exterior terrace) Interior Finishes &	290 days Mon 12/21/			330	12/21 Roof Level Alternate 2.D (extension terrace) Inferior Finishes & Fit-out (not linked to Substantial Completion without go / no-go decision)
300	02-0000	Fit-out (not linked to Substantial Completion without go / no-go decision)	250 days   mon 12/21/	10 111 1/2//11	7,0		
961	00-CACD	Make decision on alternate 2.D Exterior terrace	60 days Mon 12/21/	/15 Fri 3/11/16	6 0% 117	962	12/21 Make decision on alternate 2.D Exterior terrace
962	00-CACD	Alternate 2.D-Award & procure materials-Exterior terrace	205 days Mon 3/14/	/16 Fri 12/23/16	0% 961	963	3/14 Alternate 2.D-Award & procure materials-Exterior terrace
963	02-SUBS	Construct trellis structures	5 days Mon 12/26/	16 Fri 12/30/16	0% 962	964	12/26 Construct trellis structures
964	02-SUBS	Roof paver system	5 days Mon 1/2/	/17 Fri 1/6/1	7 0% 963	965	1/2 TROOf paver system
965	02-SUBS	Rooftop landscaping, lighting & amenities	10 days Mon 1/9/	/17 Fri 1/20/1	7 0% 964	966	1/9 g Rooftop landscaping, lighting & amenities
966	02-SUBS	Rooftop FF&E	3 days Mon 1/23/	/17 Wed 1/25/17	0% 965	967	1/23 I Rooftop FF&E
967	00-A & P	Pre-punch roof exterior terrace	2 days Thu 1/26/	17 Fri 1/27/1	7 0% 966	996	1/26   Pre-punch roof exterior terrace
968	02-SUBS	FINAL SITE DEVELOPMENT	110 days Thu 12/15/	16 Wed 5/17/17	7 0%		12/15 FINAL SITE DEVELOPMENT
969	02-SUBS	FINAL SITE DEVELOPMENT	110 days Thu 12/15/	16 Wed 5/17/17	7 0%		12/15 FINAL SITE DEVELOPMENT
970		Final site underground work & hardscape	28 days Thu 12/15/		7 0%		12/15 🕶 Final site underground work & hardscape
971	02-SUBS	Install Underground Irrigation Piping Mains & Branch Lines	8 days Thu 12/15/		0% 446,467,435,421,4	68 972 973	12/15 & Install Underground Irrigation Piping Mains & Branch Lines
972	02-SUBS	Install Site Lighting	5 days Tue 12/27/			981,973FF+5 days	12/27 Install Site Lighting
973	02-SUBS	Site concrete hardscape work-curb & gutter, walks & miscellaneous exterior stairs/walls	20 days Tue 12/27/			975,976,977,978,979,9 days,239SS+5 days	
974	02-SUBS	Miscellaneous Site Amenities	20 days Thu 3/16/	17 Wed 4/12/17	7 0%		3/16 🚃 Miscellaneous Site Amenities
975	02-SUBS	Dog park/playground	20 days Thu 3/16/	17 Wed 4/12/17	0% 973,185	996	3/16 😭 Dog park/playground
976	02-SUBS	Bouldering area	20 days Thu 3/16/	17 Wed 4/12/17	0% 973,185	996	3/16 @ Bouldering area
977	02-SUBS	Bike racks, benches & litter receptacles	3 days Thu 3/16/	17 Mon 3/20/17	7 0% 973,185	996	3/16 I Bike racks, benches & litter receptacles
978	02-SUBS	Ping-pong table area (Alternate-add detail later if accepted)	15 days Thu 3/16/	17 Wed 4/5/17	7 0% 973,185	996	3/16 @ Ping-pong table area (Alternate-add detail later if accepted)
979	02-SUBS	Slack-line area (alternate-add detail later if accepted)	15 days Thu 3/16/	17 Wed 4/5/17	0% 973,185	996	3/16 a Stack-line area (alternate-add detail later if accepted)
980	02-SUBS	Landscaping, irrigation trim-out & site wayfinding	45 days Thu 3/16/	17 Wed 5/17/17	7 0%		3/16 🚃 Landscaping, irrigation trim-out & site wayfinding
981	02-SUBS	Stake & Plant Trees (Defer this to spring to avoid risks to establishing plants & turf going into winter)	5 days Thu 3/16/	17 Wed 3/22/17	0% 972,185	982	3/16 Stake & Plant Trees (Defer this to spring to avoid risks to establishing plants & turf going into winter)
982	02-SUBS	Layout & Install Planting Beds	8 days Thu 3/23/	/17 Mon 4/3/17	7 0% 981	983	3/23 ¿ Layout & Install Planting Beds
983	02-SUBS	Install Shrubs	5 days Tue 4/4/	/17 Mon 4/10/17	7 0% 982	984	4/4 Install Shrubs
984	02-SUBS	Complete Irrigation System	5 days Tue 4/11/	/17 Mon 4/17/17	7 0% 983	985	4/11 Complete Irrigation System
985	02-SUBS	Install Sod / Grass (City is OK with this going past Final Completion milestone)	5 days Tue 4/18/	/17 Mon 4/24/17	7 0% 984,973,457FF+1	day 986	4/18 Install Sod / Grass (City is OK with this going past Final Completion milestone)
986	02-SUBS	Establish Sod / Grass (can happen after Final Completion during the warranty phase)	17 days Tue 4/25/	/17 Wed 5/17/17	0% 985		4/25 C Establish Sod / Grass (can happen after Final Completion during the warranty phase)
987	02-SUBS	Complete Final Lift Of Paving (might have to defer this to spring if asphalt plants are closed for winter)	4 days Thu 3/16/	17 Tue 3/21/17	7 0% 185	988	3/16   Complete Final Lift Of Paving (might have to defer this to spring if asphalt plants are closed for winter)
988	02-SUBS	Stripe Parking Lot	3 days Wed 3/22/	17 Fri 3/24/17	7 0% 987	989	3/22 Ţ Stripe Parking Lot
989	02-SUBS	Complete Signage	2 days Mon 3/27/	/17 Tue 3/28/17	7 0% 988	996	3/27 Complete Signage
990	02-SUBS	POST-CONSTRUCTION & CLOSE-OUT PHASE	43 days Mon 3/20/	17 Wed 5/17/17	7 0%		3/20 POST-CONSTRUCTION & CLOSE-OUT PHASE
991	02-SUBS	POST-CONSTRUCTION & CLOSE-OUT PHASE	43 days Mon 3/20/	17 Wed 5/17/17	7 0%		3/20 🗪 POST-CONSTRUCTION & CLOSE-OUT PHASE
992	02-SUBS	POST-CONSTRUCTION & CLOSE-OUT PHASE	43 days Mon 3/20/	17 Wed 5/17/17	7 0%		3/20 🚃 POST-CONSTRUCTION & CLOSE-OUT PHASE
993	99-ALL	Close-out Process-final CO's & Pay-app, As-builts, O&M's, Training, Attic Stock, etc. (some asphalt paving & landscaping related work may happen during this time frame outside of winter months)	43 days Mon 3/20/	/17 Wed 5/17/17	0% 481	996,994SS	3/20 Close-out Process-final CO's & Pay-app, As-builts, O&M's, Training, Attic Stock, etc. (some asphalt paving & landscaping related work may happen during this time frame outside of winter months)
994	00-CACD	FF&E Installation by City & City Contractors (can develop detail by areas later w/ matrix provide to A&P-Athletic equip, aquatics equip, desks, loose furnishings, fitness equip, tip and roll bleachers, blinds, scoreboard, lifeguard chairs, etc.)	35 days Mon 3/20/	/17 Fri 5/5/1	7 0% 993SS	996,995	3/20 = FF&E Installation by City & City Contractors (can develop detail by areas later w/ matrix provided to A&P-Athletic equip, aquatics equip, desks, loose furnishings, fitness equip, tip and roll bleachers, blinds, scoreboard, lifeg
995	00-CACD	FF&E Installation by City & City Contractors (phones, computers & printers, etc.)	5 days Mon 5/8/	/17 Fri 5/12/1	7 0% 994	996	5/8 [ FF&E Installation by City & City Contractors (phones, computers & printers, etc.)

0 days Wed 5/17/17 Wed 5/17/17



00-A & P M/S

# **EXHIBIT D**

Contract Drawings (incorporated herein by reference)

# **EXHIBIT E**

Technical Specifications (incorporated herein by reference)

#### **EXHIBIT F**

### **Notice to Proceed Form**

#### **Denver Public Works**



Engineering Division
Capital Projects Management – Dept. 506
Right-of-Way Services – Dept 507
Traffic Engineering Services – Dept 508
Policy and Planning – Dept. 509

201 West Colfax Ave, Dept 614 Denver, CO 80202 www.work4denver.com

Current Date

# NOTICE TO PROCEED (SAMPLE)

Name Company Street City/State/Zip

## CONTRACT NO. «CONTRACT NO», «PROJECT NAME»

In accordance with General Contract Condition 302 of the Standard Specifications for Construction, General Contract Conditions, 2011 Edition, you are hereby authorized and directed to proceed on
with the work of constructing contract number <u>«Contract_No»</u> , as set forth in detail in the
contract documents for the City and County of Denver.
With a contract time of calendar days, the project must be complete on or before
If you have not already done so, you must submit your construction schedule, in accordance with General Contract Condition 306.2.B, to the Project Manager within 10 days. Additionally, you must submit your tax exempt certificate, and copies of your subcontractors' certificates, in accordance with General Contract Condition 323.5, to the Project Manager as soon as possible. Failure to submit these certificates will delay processing of payment applications.
Sincerely,
Lesley B. Thomas City Engineer
cc:



# **EXHIBIT G**

Preconstruction Services Agreement, dated December 10, 2014 (incorporated by reference)
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# **EXHIBIT H**

## **Final/Partial Lien Release Form**

# FINAL/PARTIAL RELEASE AND CERTIFICATE OF PAYMENT (SUBCONTRACTOR/SUPPLIER)

	Date:, 20
(PROJECT NO. and NAM	IE)
	Subcontract #:
(NAME OF CONTRACTO	
	Subcontract Value: \$
(NAME OF SUBCONTRACTOR/	Last Progress Payment: \$           SUPPLIER)         Date:
Check Applicable Box:	Total Paid to Date: \$
[ ] MBE [ ] WBE	Date of Last Work:
undersigned for any work, labor or services perfore referenced Project or used in connection with the full.	, charges or expenses incurred by the undersigned or on behalf of the ormed and for any materials, supplies or equipment provided on the above above referenced Subcontract (the "Work Effort") have been duly paid in
	e undersigned's subcontractors and suppliers that incurred or caused to be benses in connection with the undersigned's Work Effort on the above
the Total Paid to Date, also referenced above, a undersigned this day of	the Last Progress Payment referenced above and in further consideration of and other good and valuable consideration received and accepted by the, 20, the Undersigned hereby releases and discharges the City and erenced City Project, the City's premises and property and the above hts, liabilities, demands and obligations, whether known or unknown, of the performance of the work effort.
hold harmless the City, its officers, employees, a all costs, losses, damages, causes of action, judg with any claim or claims against the City or the	erenced above, the undersigned agrees to defend, indemnify and save and agents and assigns and the above-referenced Contractor from and against ments under the subcontract and expenses arising out of or in connection Contractor which arise out of the Undersigned's performance of the Work signed or any of its suppliers or subcontractors of any tier or any of their
It is acknowledged that this release is for the bene	efit of and may be relied upon by the City and the referenced Contractor.
	of any obligation under the provisions of the Undersigned's subcontract, as the by their nature survive completion of the Undersigned's work effort ees, insurance requirements and indemnities.
STATE OF COLORADO ) ss. CITY OF)	
	(Name of Subcontractor)
Signed and sworn before me this day of, 20	3y:
	Title:



March 31, 2015

Brett Hahnenkamp, P.E., LEED AP BBH Management Solutions, LLC City and County of Denver 201 W. Colfax Ave., Dept. 506 Denver, CO 80204

Dear Mr. Hahnenkamp:

Outlined below are the scopes of work Adolfson & Peterson Construction (A&P) intends to competitively bid as self-performed work.

Surveying
Erosion Control
Concrete, Drilled Piers, Foundations, Slabs and Site Concrete
Rough Carpentry and Wall Blocking
Doors, Frames and Hardware
General Trades

These packages will be competitively bid to subcontractors and suppliers. A&P's bid proposal will be turned in to you 24 hours in advance of the subcontractor bid date.

Sincerely,

Cole P. Mayer, LEED AP Preconstruction Manager

CC: Randy Berner, Tom Bailey

## **EXHIBIT K**



Office of Human Resources

Denver's Human Resource Agency

201 W. Colfax, Department 412
Denver, CO 80202
p: 720.913.5751
f: 720.913.5720
www.denvergov.org/csa

TO: All Users of the City of Denver Prevailing Wage Schedules

FROM: Seth Duhon-Thornton, Associate Human Resources Professional

DATE: Friday March 27, 2015

SUBJECT: Latest Change to Prevailing Wage Schedules

Please be advised, prevailing wage rates for some building, heavy, and highway construction trades have not been updated by the United States Department of Labor (DOL) since March 1, 2002. The Career Service Board, in their meeting held on April 21, 2011, approved the use of the attached supplemental wage rates until prevailing wage rates for these classifications of work are again published by the United States Department of Labor in accordance with the Davis-Bacon Act. The rates will be provided as a supplemental to the Davis-Bacon Building rates issued by OHR.

The attached Prevailing Wage Schedule is effective as of **Friday March 27, 2015** and applies to the City and County of Denver for **BUILDING CONSTRUCTION PROJECTS** (does not include residential construction consisting of single family homes and apartments up to and including 4 stories) in accordance with the Denver Revised Municipal Code, Section 20-76(c).

General Wage Decision No. CO150004
Superseded General Decision No. CO20140004
Modification No.02
Publication Date: 3/20/2015
(5 pages)

Unless otherwise specified in this document, apprentices shall be permitted only if they are employed pursuant to, and individually registered in, a bona fide apprenticeship program registered with the U.S. Department of Labor (DOL). The employer and the individual apprentice must be registered in a program, which has received prior approval, by the DOL. Any employer, who employs an apprentice and is found to be in violation of this provision, shall be required to pay said apprentice the full journeyman scale.

For questions call (720) 913-5018

Attachments as listed above.



General Decision Number: CO150004 03/20/2015 CO4

Superseded General Decision Number: CO20140004

State: Colorado

Construction Type: Building

County: Denver County in Colorado.

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories)

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of \$10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number Publication Date

0 01/02/2015 1 01/09/2015 2 03/20/2015

ASBE0028-001 10/01/2013

Rates Fringes

Asbestos Workers/Insulator
(Includes application of
all insulating materials,
protective coverings,
coatings and finishings to
all types of mechanical

systems).....\$ 28.83 13.18

BRC00007-001 01/01/2014

Rates Fringes

BRICKLAYER.....\$ 24.03 8.63

BRC00007-005 05/01/2014

Rates Fringes

TILE SETTER.....\$ 27.15 7.88

CARP0001-004 05/01/2013

	Rates	Fringes
Carpenters: Acoustical, Drywall Hanging/Framing and Metal Stud, Form Building/Setting	.\$ 25.00	5.39
CARP1607-002 06/01/2012		
	Rates	Fringes
MILLWRIGHT	.\$ 28.95	11.10
ELEC0068-002 06/01/2014		
	Rates	Fringes
ELECTRICIAN  (Includes Low Voltage Wiring and Installation of Fire alarms, Security Systems, Telephones, Computers and Temperature Controls)	.\$ 32.65	12.70
ELEV0025-002 01/01/2015		
	Rates	Fringes
Elevator Constructor	.\$ 40.68	28.385+a+b
FOOTNOTE:  a.Vacation: 6%/under 5 years be all hours worked. 8%/over 5 years for all hours worked.  b. PAID HOLIDAYS: New Year's Day; Labor Day; Veterans' Day; after Thanksgiving Day; and Chemostrans.	ears based Day; Memori Thanksgivi	on regular hourly  al Day; Independence ng Day; the Friday
ENGI0009-003 10/23/2013		
	Rates	Fringes
Power equipment operator - crane  141 tons and over		9.15
50 tons and under	.\$ 25.04 .\$ 25.19	9.15 9.15 9.15
IRON0024-001 11/01/2013		
	Rates	Fringes
IRONWORKER, STRUCTURAL	.\$ 24.80	10.14

LAB00720-003 05/01/2014		
	Rates	Fringes
LABORER		
Concrete/Mason Tenders	\$ 16.42 	6.38
* PAIN0079-002 03/01/2015		
	Rates	Fringes
Drywall Finisher/Taper		
Hand		6.91
Tool		6.91 6.91
PAPERHANGER		6.91
PAIN0930-001 07/01/2014		
	Rates	Fringes
GLAZIER	\$ 29.67	7.52
PLAS0577-001 05/01/2014		
PLAS0377-001 03/01/2014		
	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	\$ 24.00	10.23
PLUM0003-001 07/01/2014		
	Rates	Fringes
PLUMBER		
(Excluding HVAC work)	\$ 31.93	12.34
PLUM0208-001 07/01/2013		
	Rates	Fringes
PIPEFITTER		
(Including HVAC pipe)	\$ 33.35	12.27
SFC00669-001 07/01/2013		
	Rates	Fringes
SPRINKLER FITTER		18.60
SHEE0009-001 07/01/2014	<b></b>	
	Rates	Fringes
Sheet metal worker (Includes HVAC duct and		

installation of HVAC

3

systems)	\$ 32.47	13.98
SUCO2001-011 12/20/2001		
	Rates	Fringes
Carpenters: All Other Work	\$ 16.12	2.84
Ironworkers: Reinforcing	\$ 18.49	3.87
Laborers:  Brick Finisher/Tender  Common		1.41 2.09
Power equipment operators:  Mechanic	\$ 18.48	

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

# Office of Human Resources Supplemental to the Davis-Bacon Building Construction Project rates (Specific to the Denver projects) Supp #100, Date: 03-02-2012

Classification		Base	<u>Fringe</u>
Boilermakers		\$30.97	\$21.45
Power Equipment Operators (Concrete Mixers):			
	Less than 1 yd	\$23.67	\$10.67
	1 yd and over	\$23.82	\$10.68
	Drillers	\$23.97	\$10.70
	Loaders over 6 cu yd	\$23.82	\$10.68
	Oilers	\$22.97	\$10.70
Soft Floor Layers		\$16.70	\$9.81
Ironworkers (Ornamental)		\$24.80	\$10.03
Plasters		\$24.60	\$12.11
Plaster Tenders		\$10.79	-
Laborers: Concrete Saw		\$13.89	-
Power Equipment Operators:			
	Backhoe	\$23.67	\$10.67
	Loader up to and incl 6 cu	\$23.67	\$10.67
	Motor Grader	\$23.97	\$10.70
	Roller	\$23.67	\$10.67
Truck Drivers (Dump Trucks):			
	6 to 14 cu yds	\$19.14	\$10.07
	15 to 29 cu yds	\$19.48	\$10.11
	Flatbed	\$19.14	\$10.07
	Semi	\$19.48	\$10.11

- To determine the Tile Setters-Marble Mason-Terrazzo mechanic rates—Use Davis Bacon-Building rates adopted by the Career Service Board.
- To determine the Tile Finisher-Floor Grinder-Base Grinder—Use current Career Service Prevailing Wage Schedules.
- Caulkers—Receive rate prescribed for craft performing operation to which caulking is incidental .i.e. glazier, painter, brick layer, cement mason.
- Use the "Carpenters—All Other Work" rates published by the federal Davis Bacon rates for batt insulation, pre-stress concrete and tilt up concrete walls, Roofers (including foundation waterproofing).
- Use the "Laborer—Common", rates published by the federal Davis Bacon rates for General Housekeeping, Final Cleanup and Fence Installer.

#### Office of Human Resources



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TO: All Users of the City of Denver Prevailing Wage Schedules

FROM: Seth Duhon-Thornton, Associate Human Resource Professional

DATE: Friday April 4, 2015

SUBJECT: Latest Change to Prevailing Wage Schedules

Please be advised, prevailing wage rates for some building, heavy, and highway construction trades have not been updated by the United States Department of Labor (DOL) since March 1, 2002. The Career Service Board, in their meeting held on April 21, 2011, approved the use of the attached supplemental wage rates until prevailing wage rates for these classifications of work are again published by the United States Department of Labor in accordance with the Davis-Bacon Act. The rates will be provided as a supplemental to the Davis-Bacon Heavy rates issued by OHR.

The effective date for this publication will be **Friday April 4, 2015** and applies to the City and County of Denver for **HEAVY CONSTRUCTION PROJECTS** in accordance with the Denver Revised Municipal Code, Section 20-76(c).

General Wage Decision No. CO150012 Superseded General Decision No. CO20140012 Modification No. 01 Publication Date: 3/27/2015 (8 pages)

Unless otherwise specified in this document, apprentices shall be permitted only if they are employed pursuant to, and individually registered in, a bona fide apprenticeship program registered with the U.S. Department of Labor (DOL). The employer and the individual apprentice must be registered in a program, which has received prior approval, by the DOL. Any employer, who employs an apprentice and is found to be in violation of this provision, shall be required to pay said apprentice the full journeyman scale.

For questions please call (720) 913-5018

Attachments as listed above.



General Decision Number: CO150012 03/27/2015 CO12

Superseded General Decision Number: CO20140012

State: Colorado

Construction Type: Heavy

Counties: Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo and Weld

Counties in Colorado.

#### HEAVY CONSTRUCTION PROJECTS

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of \$10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number Publication Date

0 01/02/2015 1 03/27/2015

ASBE0028-001 10/01/2013

Rates Fringes

Asbestos Workers/Insulator
(Includes application of all insulating materials, protective coverings, coatings and finishings to all types of mechanical

systems).....\$ 28.83 13.18

BRC00007-004 01/01/2014

ADAMS, ARAPAHOE, BOULDER, BROOMFIELD, DENVER, DOUGLAS AND JEFFERSON COUNTIES

Rates Fringes

BRICKLAYER.....\$ 24.03 8.63

BRC00007-006 05/01/2014

EL PASO AND PUEBLO COUNTIES

Rates Fringes

BRICKLAYER.....\$24.22 8.62

ELEC0012-004 09/01/2014

		Rates	Fringes
Ş E	RICIAN Electrical contract over \$1,000,000\$ Electrical contract under \$1,000,000\$		10.80+3% 11.84
ELEC(	0068-001 06/01/2014		
	, ARAPAHOE, BOULDER, BROOMFIE RSON, LARIMER, AND WELD COUNT		DOUGLAS,
		Rates	Fringes
ELECTE	RICIAN\$	32.65	12.70
ELEC(	0111-001 09/01/2014		
		Rates	Fringes
	Construction: Cable Splicer\$ Equipment Operator-	28.65	13.75%+4.75
J	Inderground\$ Groundman\$		9.20 9.12
I	Line Equipment Operator\$	28.47	11.30
I	Lineman and Welder\$	40.81 	15.14
ELEC(	0113-002 06/01/2014		
EL PAS	SO COUNTY		
		Rates	Fringes
ELECTE	RICIAN\$	29.55	14.69
* ELE(	0969-002 12/01/2014		
MESA (	COUNTY		
		Rates	Fringes
ELECTE	RICIAN\$	24.00	7.32
ENGI(	0009-001 10/23/2013		
		Rates	Fringes
F F ( ( ( ( (	equipment operators:  Blade: Finish	24.73 24.73 24.88 25.04 25.19 25.97 24.37	9.15 9.15 9.15 9.15 9.15 9.15 9.15 9.15

Oiler Scraper: Single bowl	.\$ 24.01	9.15
under 40 cubic yards Scraper: Single bowl, including pups 40 cubic	.\$ 24.88	9.15
yards and over and tandem	ά ο <u>ς</u> ο <i>4</i>	0.15
bowls Trackhoe	.\$ 24.88	9.15 9.15
IRON0024-003 11/01/2013		
	Rates	Fringes
Ironworkers:		18.77
LABO0086-001 05/01/2009		
	Rates	Fringes
Laborers: Pipelayer	.\$ 18.68	6.78
PLUM0003-005 07/01/2014		
ADAMS, ARAPAHOE, BOULDER, BROOME JEFFERSON, LARIMER AND WELD COUN		ER, DOUGLAS,
	Rates	Fringes
PLUMBER		12.34
PLUM0058-002 07/01/2013		
EL PASO COUNTY		
	Rates	Fringes
Plumbers and Pipefitters	.\$ 32.55	13.65
PLUM0058-008 07/01/2013		
PUEBLO COUNTY		
	Rates	Fringes
Plumbers and Pipefitters	.\$ 32.55	13.65
PLUM0145-002 07/01/2013		
MESA COUNTY		
	Rates	Fringes
Plumbers and Pipefitters	.\$ 32.67	11.55
PLUM0208-004 07/01/2013		
ADAMS, ARAPAHOE, BOULDER, BROOME	FIELD, DENVE	ER, DOUGLAS,

ADAMS, ARAPAHOE, BOULDER, BROOMFIELD, DENVER, DOUGLAS, JEFFERSON, LARIMER AND WELD COUNTIES

	Rates	Fringes
PIPEFITTER	.\$ 33.35	12.27
SHEE0009-002 07/01/2014		
	Rates	Fringes
Sheet metal worker	.\$ 32.47	13.98
TEAM0455-002 07/01/2013		
	Rates	Fringes
Truck drivers:  Pickup  Tandem/Semi and Water		3.87 3.87
SUCO2001-006 12/20/2001		
	Rates	Fringes
BOILERMAKER	.\$ 17.60	
Carpenters: Form Building and Setting All Other Work		2.74 3.37
Cement Mason/Concrete Finisher	.\$ 17.31	2.85
IRONWORKER, REINFORCING	.\$ 18.83	3.90
Laborers: Common Flagger Landscape	.\$ 8.91	2.92 3.80 3.21
Painters: Brush, Roller & Spray	.\$ 15.81	3.26
Power equipment operators:  Backhoe  Front End Loader  Skid Loader	.\$ 17.24	2.48 3.23 4.41

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

# Office of Human Resources Supplemental to the Davis-Bacon HEAVY Construction Projects rates (Specific to the Denver Projects) (Supp #74, Date: 02-03-2012)

Classification		Base	Fringe
Millwrights		\$28.00	\$10.00
Line Construction:			
	Lineman, Gas Fitter/Welder	\$36.88	\$9.55
	Line Eq Operator/Line Truck		
	Crew	\$25.74	\$8.09
Power Equipment Operators (Tunnels Above and Below			
Ground, shafts and raises):			
	GROUP 1	\$25.12	\$10.81
	GROUP 2	\$25.47	\$10.85
	GROUP 3	\$25.57	\$10.86
	GROUP 4	\$25.82	\$10.88
	GROUP 5	\$25.97	\$10.90
	GROUP 6	\$26.12	\$10.91
	GROUP 7	\$26.37	\$10.94
Power Equipment Operators:			
	GROUP 1	\$22.97	\$10.60
	GROUP 2	\$23.32	\$10.63
	GROUP 3	\$23.67	\$10.67
	GROUP 4	\$23.82	\$10.68
	GROUP 5	\$23.97	\$10.70
	GROUP 6	\$24.12	\$10.71
	GROUP 7	\$24.88	\$10.79
Ironworkers (Ornamental)		\$24.80	\$10.03
Laborers:			
	GROUP 1	\$17.68	\$8.22
	GROUP 2	\$18.18	\$8.27
	GROUP 3	\$21.59	\$8.61
Laborers: (Tunnel)			
	GROUP 1	\$18.53	\$8.30
	GROUP 2	\$18.63	\$8.31
	GROUP 3	\$19.73	\$8.42
	GROUP 4	\$21.59	\$8.61
	GROUP 5	\$19.68	\$8.42
Laborers (Removal of Asbestos)		\$21.03	\$8.55
Truck Drivers:			
	GROUP 1	\$18.42	\$10.00
	GROUP 2	\$19.14	\$10.07
	GROUP 3	\$19.48	\$10.11

GROUP 4	\$20.01	\$10.16
GROUP 5	\$20.66	\$10.23
GROUP 6	\$21.46	\$10.31

# <u>POWER EQUIPMENT OPERATOR CLASSIFICATIONS</u> (TUNNELS ABOVE AND BELOW GROUND, SHAFTS, AND RAISES):

GROUP 1 - Brakeman

GROUP 2 - Motorman

GROUP 3 - Compressor

GROUP 4 - Air Tractors; Grout Machine; Gunnite Machine; Jumbo Form

GROUP 5 - Concrete Placement Pumps; Mucking Machines and Front End Loaders, Underground,

Slusher; Mine Hoist Operator; Mechanic

GROUP 6 - Mechanic Welder

GROUP 7 - Mole

NOTE: Any equipment listed below being used in tunnel work, below or above ground shall be paid not less than \$2.00 per hour above the listed wage rates.

### POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

GROUP 1 - Air compressor, brakeman, drill operator - smaller than Watson 2500 and similar, operators of 5 or more light plants, welding machines, generators, single unit conveyor, pumps, vacuum well point system, tractor, under 70 hp with or without attachments compressors, 360 C.F.M. or less.

GROUP 2 - Conveyor, handling **building** materials, ditch witch and similar trenching machine, haulage motor man, pugmill, portable screening plant with or without a spray bar, screening plants, with classifier.

GROUP 3 - Asphalt screed, asphalt plant, backfiller, bituminous spreader or laydown machine; cableway signalman, caisson drill, William MF, similar or larger; C.M.I. and similar, concrete batching plants, concrete finish machine, concrete gang saw on concrete paving, concrete mixer, less than 1 yd., concrete placement pumps, under 8 inches, distributors, bituminous surfaces dozer, drill, diamond or core, drill rigs, rotary, churn, or cable tool, elevating graders, elevator operator, equipment, lubricating and service engineer, grout machine, gunnite machine, hoist, 1 drum, horizontal directional drill operator, sandblasting machine, single unit protable crusher, with or without washer, tie tamper, wheel mounted, tractor, 70 hp and over with or without attahments, trenching machine operator, winch on truck.

GROUP 4 - Cable operated power shovels, draglines, articulated truck operator, clamshells, and backhoes, 5 cubic yards and under, concrete mixer over 1 cubic yard, concrete paver 34E or similar, concrete placement pumps, 8 inches and over, grade checker, hoist, 2 drums, hydraulic backhoe, 3/4 yds and over, loader, over 6 cubic yards, mechanic, mixer mobile, multiple unit portable crusher, with or without washer; piledriver, tractor with sideboom, roto- mill and similar, welder.

GROUP 5 - Cable operated power shovels, draglines, clamshells and backhoes over 5 cubic yards, caisson drill Watson 2500 similar or larger, hoist 3 drum or more, mechanic – welder (heavy-duty).

GROUP 6 - Cableway, derrick, quad nine push unit, wheel excavator, belt or elevating loader

GROUP 7 - tower cranes all types

#### **LABORER CLASSIFICATIONS:**

GROUP 1 - Janitors: Yardmen

GROUP 2 - Erosion Control, Dowel Bars; Fence Erectors; Gabion Basket and Reno mattresses; Signaling, Metal Mesh; Stake Caser; Traffic Control Devices; Tie Bars and Chairs in Concrete; Paving; Waterproofing Concrete; Air, Gas, Hydraulic Tools and Electrical Tool Operators; Barco Hammers; Cutting Torches; drill; diamond and core drills; Core, diamond, air track including but not limited to; Joy, Mustang, PR-143, 220 Gardner-Denver, Hydrosonic, and water blaster operator; Chuck Tender; Electric hammers; Jackhammers; Hydraulic Jacks; Tampers; Air Tampers; Automatic Concrete Power Curbing Machines; Concrete Processing Material; Concrete Tender; Operators of concrete saws on pavement (other than gangsaws); Power operated Concrete Buggies; Hot Asphalt Labor; Asphalt Curb Machines; Paving Breakers; Transverse Concrete Conveyor Operator; Cofferdams; Boxtenders; Caisson 8' to 12'; Caisson Over 12'; Jackhammer Operators in Caissons over 12'; Labor applicable to Pipe coating or Wrapping; Pipe Wrappers, Plant and Yard; Relining Pipe; Hydroliner (a plastic may be used to waterproof); Pipelayer on Underground Bores; Sewer, Water, Gas, Oil Conduit; Enamalers on Pipe, inside and out, Mechanical Grouters; Monitors; Jeep Holiday Detector Men; Pump Operators; Rakers; Vibrators; Hydro- broom, Mixer Man; Gunnite Nozzelmen; Shotcrete Operator; and chain saws, gas and electric; Sand Blaster; Licensed Powdermen; Powdermen and Blaster; Siphons; Signalmen; Dumpman/spotter; Grade Checker.

GROUP 3 - Plug and galleys in dams; Scalers; any work on or off Bridges 40' above the ground performed by Laborers working from a Bos'n Chair, Swing Stage, Life Belt, or Block and Tackle as a safety requirement.

#### TUNNEL LABORER CLASSIFICATIONS:

GROUP 1 - Outside Laborer - Above ground

GROUP 2 - Minimum Tunnel Laborer, Dry Houseman

GROUP 3 - Cable or Hose Tenders, Chuck Tenders, Concrete Laborers, Dumpmen, Whirley Pump Operators

GROUP 4 - Tenders on Shotcrete, Gunniting and Sand Blasting; Tenders, core and Diamond Drills; Pot Tenders

GROUP 5 - Collapsible Form Movers and Setters; Miners; Machine Men and Bit Grinders; Nippers; Powdermen and Blasters; Reinforcing Steel Setters; Timbermen (steel or wood tunnel support, including the placement of sheeting when required); and all Cutting and Welding that is incidental to the Miner's work; Tunnel Liner Plate Setters; Vibrator Men, Internal and External; Unloading, stopping and starting of Moran Agitator Cars; Diamond

and Core Drill Operators; Shotcrete operator; Gunnite Nozzlemen; Sand Blaster; Pump Concrete Placement Men.

#### TRUCK DRIVER CLASSIFICATIONS:

GROUP 1 - Sweeper Truck, Flat Rack Single Axle and Manhaul, Shuttle Truck or Bus.

GROUP 2 - Dump Truck Driver to and including 6 cubic yards, Dump Truck Driver over 6 cubic yards to and including 14 cubic yards, Straddle Truck Driver, Liquid and Bulk Tankers Single Axle, Euclid Electric or Similar, Multipurpose Truck Specialty and Hoisting.

GROUP 3 - Truck Driver Snow Plow.

GROUP 4 - Cement Mixer Agitator Truck over 10 cubic yards to and including 15 cubic yards.

WELDERS: Receive rate prescribed for craft performing operation to which welding is incidental.

#### **Career Service Authority**



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TO: All Users of the City of Denver Prevailing Wage Schedules

FROM: Seth Duhon-Thornton Staff HR Professional

DATE: Friday January 9, 2015

SUBJECT: Latest Change to Prevailing Wage Schedules

Please be advised, prevailing wage rates for some building, heavy, and highway construction trades have not been updated by the United States Department of Labor (DOL) since March 1, 2002. The Career Service Authority Board, in their meeting held on April 21, 2011, approved the use of the attached supplemental wage rates until prevailing wage rates for these classifications of work are again published by the United States Department of Labor in accordance with the Davis-Bacon Act. The rates will be provided as a supplemental to the Davis-Bacon Highway rates issued by CSA.

The effective date for this publication is **Friday January 9, 2015** and applies to the City and County of Denver for **HIGHWAY CONSTRUCTION PROJECTS** in accordance with the Denver Revised Municipal Code, Section 20-76(c).

General Wage Decision No. CO150019
Superseded General Decision No. CO20140019
Modification No. 0
Publication Date: 1/2/2015
(8 pages)

Unless otherwise specified in this document, apprentices shall be permitted only if they are employed pursuant to, and individually registered in, a bona fide apprenticeship program registered with the U.S. Department. Of Labor (DOL). The employer and the individual apprentice must be registered in a program, which has received prior approval, by the DOL. Any employer, who employs an apprentice and is found to be in violation of this provision, shall be required to pay said apprentice the full journeyman scale.

For questions call (720) 913-5018

Attachments as listed above.



General Decision Number: C0150019 01/02/2015 C019

Superseded General Decision Number: CO20140019

State: Colorado

Construction Type: Highway

Counties: Denver and Douglas Counties in Colorado.

HIGHWAY CONSTRUCTION PROJECTS

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of \$10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number Publication Date

01/02/2015

\* CARP9901-008 05/01/2013

	Rates Fringes	
CARPENTER (Form Work Only)	\$ 25.00	5.39
ELEC0068-016 03/01/2011		

TRAFFIC SIGNALIZATION: Traffic Signal Installation Zone 1.....\$ 26.42 Zone 2.....\$ 29.42 4.75%+8.68 4.75%+8.68

TRAFFIC SIGNAL INSTALLER ZONE DEFINITIONS

Zone 1 shall be a 35 mile radius, measured from the following addresses in each of the following cities:

Colorado Springs - Nevada & Bijou Denver - Ellsworth Avenue & Broadway Ft. Collins - Prospect & College Grand Junction - 12th & North Avenue Pueblo - I-25 & Highway 50

All work outside of these areas shall be paid Zone 2 rates.

ENGI0009-008 10/23/2013

Rates Fringes

Rates Fringes

POWER EQUIPMENT OPERATOR: (3) -Hydraulic Backhoe

24 73	9.15
21.70	3.13
24.73	9.15
24.73	9.15
24.88	9.15
24.88	9.15
25.04	9.15
20.01	3.13
25.04	9.15
	9.15
Rates	Frinces
Rates	Fringes
Rates	Fringes 5.08
	-
19.27	5.08
19.27	5.08
19.27	5.08
19.27	5.08
19.27 20.18 18.75	5.08
19.27	5.08 5.75 3.00
19.27 20.18 18.75	5.08 5.75 3.00
19.27 20.18 18.75	5.08 5.75 3.00
19.27 20.18 18.75 35.13	5.08 5.75 3.00 6.83
19.27 20.18 18.75 35.13 13.02 12.89	5.08 5.75 3.00 6.83
19.27 20.18 18.75 35.13 13.02 12.89	5.08 5.75 3.00 6.83 3.20 3.20
19.27 20.18 18.75 35.13 13.02 12.89	5.08 5.75 3.00 6.83 3.20 3.20
19.27 20.18 18.75 35.13 13.02 12.89	5.08 5.75 3.00 6.83 3.20 3.20
19.27 20.18 18.75 35.13 13.02 12.89	5.08  5.75 3.00  6.83  3.20  3.20  3.21 3.21
19.27 20.18 18.75 35.13 13.02 12.89	5.08 5.75 3.00 6.83 3.20 3.20
19.27 20.18 18.75 35.13 13.02 12.89	5.08  5.75 3.00  6.83  3.20  3.20  3.21 3.21
19.27 20.18 18.75 35.13 13.02 12.89	5.08  5.75 3.00  6.83  3.20  3.20  3.21 3.21
19.27 20.18 18.75 35.13 13.02 12.89	5.08  5.75 3.00  6.83  3.20  3.20  3.21 3.21
	24.73 24.73 24.73 24.88 24.88 25.04 25.04

LABORER		
Asphalt Raker\$		4.25
Asphalt Shoveler\$		4.25
Asphalt Spreader\$	18.58	4.65
Common or General		
Denver\$		6.77
Douglas\$		4.25
Concrete Saw (Hand Held)\$	16.29	6.14
Landscape and Irrigation\$		3.16
Mason Tender-		
Cement/Concrete		
Denver\$	16.96	4.04
Douglas\$		4.25
Pipelayer	10.23	1.20
Denver\$	13 55	2.41
Douglas\$		2.18
Traffic Control (Flagger)\$		3.05
Traffic Control (Sets	9.33	3.05
Up/Moves Barrels, Cones,		
Install Signs, Arrow		
Boards and Place		
Stationary Flags) (Excludes		
Flaggers)\$	12.43	3.22
PAINTER (Spray Only)\$	16.99	2.87
POWER EQUIPMENT OPERATOR:		
Asphalt Laydown		
Denver\$	22.67	8.72
Douglas\$		8.47
Asphalt Paver		
Denver\$	24.97	6.13
Douglas\$		3.50
Asphalt Roller		
Denver\$	23.13	7.55
Douglas\$		6.43
Asphalt Spreader\$		8.72
Backhoe/Trackhoe	22.07	0.72
Douglas\$	23 82	6.00
		4.28
Bobcat/Skid Loader\$		
Boom\$	22.67	8.72
Broom/Sweeper	00 47	0 70
Denver\$		8.72
Douglas\$		8.22
Bulldozer\$		5.59
Concrete Pump\$	21.60	5.21
Drill		
Denver\$	20.48	4.71
Douglas\$	20.71	2.66
Forklift\$	15.91	4.68
Grader/Blade		
Denver\$	22.67	8.72
Guardrail/Post Driver\$		4.41
Loader (Front End)		
Douglas\$	21.67	8.22
Mechanic		. –
Denver\$	22.89	8.72
Douglas\$		8.22
Oiler		V • L L
Denver\$	23 73	8.41
Douglas\$		7.67
νοαστασγ	21.50	, . 0 /

Roller/Compactor (Dirt and	
Grade Compaction)	
Denver\$ 20.30	5.51
Douglas\$ 22.78	4.86
Rotomill\$ 16.22	4.41
Screed	
Denver\$ 22.67	8.38
Douglas\$ 29.99	1.40
Tractor\$ 13.13	2.95
TRAFFIC SIGNALIZATION:	
Groundsman	
Denver\$ 17.90	3.41
Douglas\$ 18.67	7.17
,	
TRUCK DRIVER	
Distributor	
Denver\$ 17.81	5.82
Douglas\$ 16.98	5.27
Dump Truck	
Denver\$ 15.27	5.27
Douglas\$ 16.39	5.27
Lowboy Truck\$ 17.25	5.27
Mechanic\$ 26.48	3.50
Multi-Purpose Specialty &	
Hoisting Truck	
Denver\$ 17.49	3.17
Douglas\$ 20.05	2.88
Pickup and Pilot Car	
Denver\$ 14.24	3.77
Douglas\$ 16.43	3.68
Semi/Trailer Truck\$ 18.39	4.13
Truck Mounted Attenuator\$ 12.43	3.22
Water Truck	J. 22
Denver\$ 26.27	5.27
Douglas\$ 19.46	2.58

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

## <u>Career Service Authority</u> <u>Supplemental to the Davis-Bacon *HIGHWAY* Construction Projects rates</u> (Specific to the Denver Projects) (Supp 35, Date: 01-13-2012)

Classification		Base	<u>Fringe</u>
Millwrights		\$28.00	\$10.00
Line Construction:			
	Lineman, Gas Fitter/Welder	\$36.88	\$9.55
	Line Eq Operator/Line Truck		
	Crew	\$25.74	\$8.09
Power Equipment Operators			
(Tunnels Above and Below			
Ground, shafts and raises):			
	GROUP 1	\$25.12	\$10.81
	GROUP 2	\$25.47	\$10.85
	GROUP 3	\$25.57	\$10.86
	GROUP 4	\$25.82	\$10.88
	GROUP 5	\$25.97	\$10.90
	GROUP 6	\$26.12	\$10.91
	GROUP 7	\$26.37	\$10.94
Power Equipment Operators:			
	GROUP 1	\$22.97	\$10.60
	GROUP 2	\$23.32	\$10.63
	GROUP 3	\$23.67	\$10.67
	GROUP 4	\$23.82	\$10.68
	GROUP 5	\$23.97	\$10.70
	GROUP 6	\$24.12	\$10.71
	GROUP 7	\$24.88	\$10.79
		Ψ2 1.00	ψισιισ
Ironworkers (Ornamental)		\$24.80	\$10.03
Laborers (Removal of		Ψ= 1.00	ψ.σ.σσ
Asbestos)		\$21.03	\$8.55
Plumbers		\$30.19	\$13.55
Pipefitters		\$30.45	\$12.85
Truck Drivers:		-	-
	GROUP 1	\$18.42	\$10.00
	GROUP 2	\$19.14	\$10.07
	GROUP 3	\$19.48	\$10.11
	GROUP 4	\$20.01	\$10.16
	GROUP 5	\$20.66	\$10.23
	GROUP 6	\$21.46	\$10.31
		Ψ=11.10	ψ.σ.σ.

#### <u>POWER EQUIPMENT OPERATOR CLASSIFICATIONS</u> (TUNNELS ABOVE AND BELOW GROUND, SHAFTS, AND RAISES):

GROUP 1 - Brakeman

GROUP 2 - Motorman

**GROUP 3 - Compressor** 

GROUP 4 - Air Tractors; Grout Machine; Gunnite Machine; Jumbo Form

GROUP 5 - Concrete Placement Pumps; Mucking Machines and Front End Loaders, Underground, Slusher; Mine Hoist Operator; Mechanic

GROUP 6 - Mechanic Welder

GROUP 7 - Mole

NOTE: Any equipment listed below being used in tunnel work, below or above ground shall be paid not less than \$2.00 per hour above the listed wage rates.

#### POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

GROUP 1 - Air compressor, brakeman, drill operator -smaller than Watson 2500 and similar, operators of 5 or more light plants, welding machines, generators, single unit conveyor, pumps, vacuum well point system, tractor, under 70 hp with or without attachments compressors, 360 C.F.M. or less

GROUP 2 - Conveyor, handling building materials, ditch witch and similar trenching machine, forklift, haulage motor man, pugmill, portable screening plant with or without a spray bar, screening plants, with classifier, self-propelled roller, rubber-tires under 5 tons.

GROUP 3 - asphalt plant, backfiller; cableway signalman; C.M.I. and similar, concrete batching plants, concrete finish machine, concrete gang saw on concrete paving, concrete mixer, less than 1 yd., under 8 inches, distributors, bituminous surfaces dozer, drill, diamond or core, elevating graders, elevator operator, lubricating and service engineer, grout machine, gunnite machine, hoist, 1 drum, horizontal directional drill operator, hydraulic backhoes; road stabilization machine, sandblasting Machine, single unit portable crusher, with or without washer, Tie tamper, wheel mounted, trenching machine operator, winch on truck.

GROUP 4 - Cable operated power shovels, draglines, articulated truck operator, clamshells, 5 cubic yards and under, concrete mixer over 1 Cubic yard, concrete pavers 34E or similar, grade Checker, hoist, 2 drums, mechanic, mixer mobile, Portable crusher, with or without washer; tractor with sideboom, roto-M ill and similar, welder.

GROUP 5 - Cable operated power shovels, draglines, clamshells and Backhoes over 5 cubic yards, caisson drill Watson 2500 similar or larger, motor grader blade-finish, hoist 3 drum or more.

GROUP 6 - Cableway, derrick, quad nine push unit, wheel excavator, belt or elevating loader.

GROUP 7 - tower cranes all types.

#### TRUCK DRIVER CLASSIFICATIONS:

GROUP 1 - Greasemen, Servicemen and Ambulance Drivers, Battery Men, Shuttle Truck or Bus, Flat Rack Tandem Axle.

GROUP 2 - Fork Lift Driver, Straddle Truck Driver, Lumber Carrier, Liquid and Bulk Tankers Single Axle, Combination, Euclid Electric or Similar, Specialty and Hoisting, Truck Drivers Fuel Truck, Grease Truck, Combination Fuel and Grease.

GROUP 3 - Truck Driver Snow Plow, Truck Driver Dump or Type Jumbo and similar type equipment.

GROUP 4 - Cement Mixer Agitator Truck over 10 cubic yards to and including 15 cubic yards, Tire Man, Cab Operated Distributor Truck Driver.

GROUP 5 - Heavy Duty Diesel Mechanic, Body Man, Welders or Combination Men.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.



TO: All Users of the City of Denver Prevailing Wage Schedules

FROM: Seth Duhon-Thornton, OHR Compensation and Classification

DATE: March 23, 2015

SUBJECT: Latest Update to Prevailing Wage Schedules

Please find an attachment to this memorandum <u>all</u> of the current Office of Human Resources Prevailing Wage Schedules issued in accordance with the City and County of Denver's Revised Municipal Code, Section 20-76(c). This schedule does not include the Davis-Bacon rates. The Davis-Bacon wage rates will continue to be published separately as they are announced.

Modification No. 117
Publication Date: 3-28-15
(14 pages)

Unless otherwise specified in this document, apprentices shall be permitted only if they are employed pursuant to, and individually registered in, a bona fide apprenticeship program registered with the U.S. Department of Labor. The employer and the individual apprentice must be registered in a program, which has received prior approval, by the U.S. Department of Labor. Any employer, who employs an apprentice and is found to be in violation of this provision, shall be required to pay said apprentice the full journeyman scale.

Questions call (720) 913-5664

Attachments as listed above.



#### **APPLIANCE MECHANIC**

Last Revision: 02-19-2009 Effective: 02-19-2009

Classification: <u>Base Wage</u> <u>Fringes</u>

**Appliance Mechanic** \$22.34/hour \$5.82/hour

Plus 10% shift differential for regularly scheduled hours worked between 6:00 p.m. and 6:00 a.m.

The Appliance Mechanic installs, services and repairs stoves, refrigerators, dishwashing machines, and other electrical household or commercial appliances, using hand tools, test equipment and following wiring diagrams and manufacturer's specifications. Responsibilities include: connects appliance to power source and test meters, such as wattmeter, ammeter, or voltmeter, observes readings on meters and graphic recorders, examines appliance during operating cycle to detect excess vibration, overheating, fluid leaks and loose parts, and disassembles appliances and examines mechanical and electrical parts. Additional duties include: traces electrical circuits, following diagram and locates shorts and grounds, using ohmmeter, calibrates timers, thermostats and adjusts contact points, and cleans and washes parts, using wire brush, buffer, and solvent to remove carbon, grease and dust. Replaces worn or defective parts, such as switches, pumps, bearings, transmissions, belts, gears, blowers and defective wiring, repairs and adjusts appliance motors, reassembles appliance, adjusts pulleys and lubricates moving parts, using hand tools and lubricating equipment.

Note: This position does not perform installations done at new construction.

#### BAGGAGE HANDLING SYSTEM MAINTENANCE

Last Revision: 12-6-2013 Effective: 10-09-2013

Classification:	Base Wage	<u>Fringes</u>
Entry-Support Mechanic	\$15.26/hour	\$5.78/hour
Machinery Maintenance Mechanic	\$19.33/hour	\$6.25/hour
Controls System Technician	\$24.90/hour	\$6.89/hour

Plus 10% shift differential for regularly scheduled hours worked between 6:00 p.m. and 6:00 a.m.

#### **Entry Support Mechanic**

Under direct supervision, assists the Machinery Maintenance Mechanic in maintaining the operational status of the baggage handling system. Duties include but are not limited to; assisting with adjustments with belt tracking, belt tension, and gearbox.

#### **Machinery Maintenance Mechanic**

Performs routine and basic adjustments of baggage handling system equipment including but not limited to, belt tracking, belt tension, and gearbox and bearing lubrication. Performs daily and periodic shift inspections, cleaning, and diagnostics of mechanical system components based on an established preventive maintenance program. Dismantles, repairs, and reassembles equipment or machines for stock replacement or to restore baggage handling system equipment to operational status. Preventive maintenance and overhauling machines includes, but is not limited to, motors, clutches, brakes, transporting telecars, bearings, drive belts, drive shafts, pulleys, gearboxes (speed reducers), and conveyor belting. Maintains daily turnover reports and hourly labor time sheets for warranty reimbursement and statistical tracking of repairs.

#### **Controls System Technician**

Performs a variety of functions such as installation, maintenance, and repair of devices which control and are controlled by the baggage handling system and related equipment. Such devices include, but are not

limited to, personal computers, programmable logic controllers and peripherals, motor control panels, photoelectric sensors, sync-pulse tachometers, laser and RF readers, linear induction motors and servo-drives. Troubleshoots and repairs all control system and electrical failures by applying comprehensive technical knowledge to solve problems by interpreting manufacturer manuals or similar documents. Work requires familiarity with the interrelationships of electro-mechanical devices.

Removes and replaces plug-in type boards and components. Aligns, replaces, and cleans photocells. Makes minor repairs of connectors, wiring and fuses on-site, and cleans and performs diagnostic routines of electrical and control system components. Performs scheduled routine maintenance on all control system components and reporting devices (including personal computers), based on recommended manufacturer practices. Uses a personal computer to diagnose and correct PLC and operating system software problems. Diagnoses, repairs and aligns laser array (baggage tag reader) and RF reader hardware and software.

Note: Incumbents must posses an Electrician's license when work warrants.

#### **BUILDING ENGINEER**

Last Revision: 09-05-2013 Effective: 07-17-2014

Classification: <u>Base Wage</u> <u>Fringes</u> **Building Engineer** \$29.14/hour \$7.17/hour

This classification of work is responsible for operating, monitoring, maintaining/repairing the facilities mechanical systems to ensure peak performance of the systems. This includes performing P.M. and repair work of the building mechanical systems, inspecting, adjusting, and monitoring the building automation and life safety systems, contacting vendors and place order replacement parts, responding to customer service requests and performing maintenance/repairs I tenant or public spaces, performing routine P.M. i.e. light plumbing an electrical repairs, ballast lamp and tube replacement, operating mechanical systems both on site and via a remote laptop computer, maintaining inventory of spare parts and tools, painting and cleaning mechanical equipment and machine rooms, etc.

#### **FUEL HANDLER SERIES**

Last Revision: 12-6-2013 Effective: 10-9-2014

Classification:	Base Wage	<u>Fringes</u>
Fuel Distribution System Operator Lead Fuel Distribution System Operator	\$18.97/hour \$19.83/hour	\$6.31/hour \$6.21 /hour
Fuel Distribution System Mechanic Lead Fuel Distribution System Mechanic	\$23.46/hour \$24.53/hour	\$6.73/hour \$6.85/hour

Plus 10% shift differential for hours worked between 6:00 p.m. and 6:00 a.m.

#### **Fuel Distribution System Operator:**

Receives, stores, transfers, and issues fuel. Performs various testing procedures and documentation on fuel samples. Gauges tanks for water, temperature and fuel levels. Performs temperature and gravity testing for correct weight of fuel. Checks pumping systems for correct operating pressure or unusual noises. Inspects fuel receiving, storage, and distribution facilities to detect leakage, corrosion, faulty fittings,

and malfunction of mechanical units, meters, and gauges such as distribution lines, float gauges, piping valves, pumps, and roof sumps. Operates a 24-hour control center; operates various computer equipments to determine potential equipment failure, leak and cathodic protection systems, pump failure, and emergency fuel shutoff systems. Monitors quality of fuel and drains excess condensation from fuel sumps and underground fuel pits. Inspects fuel tank farm for such items as leaks, low pressure, and unauthorized personnel. Performs general housekeeping and grounds maintenance for terminal, pipeline and dock areas, including fuel pits and valve vault cleaning and pump out activities. May connect lines, grounding wires, and loading and off loading arms of hoses to pipelines. May assist Fuel Distribution System Mechanics by preparing work areas. Maintains record of inspections, observations and test results.

#### **Lead Fuel Distribution System Operator:**

Performs lead duties such as making and approving work assignments and conducting on-the-job training as well as performing the various tasks performed by the Operator classification.

#### **Fuel Distribution System Mechanic:**

Maintains and repairs fuel storage and distribution systems, equipment and filtration systems, and differential pressure valves. Corrects leakage, corrosion, faulty fittings, and malfunction of mechanical units, meters, and gauges such as distribution lines, float gauges, piping valves, pumps, and roof sumps. Inspects electrical wiring, switches, and controls for safe-operating condition, grounding, and adjustment; may make minor repairs. Lubricates and repacks valves. Lubricates pumps, replaces gaskets, and corrects pumping equipment misalignment. May clean strainers and filters, service water separators, and check meters for correct delivery and calibration. Overhauls system components such as pressure regulating valves and excess valves. Disassembles, adjusts, aligns, and calibrates gauges and meters or replaces them. Removes and installs equipment such as filters and piping to modify system or repair and replace system component. Cleans fuel tanks and distribution lines. Removes corrosion and repaints surfaces. Overhauls vacuum and pressure vents, floating roof seals, hangers, and roof sumps. Some positions maintain fuel-servicing equipment such as hydrant and tanker trucks. Maintains record of inspections and repairs and other related paperwork as required.

#### **Lead Fuel Distribution System Mechanic:**

Performs lead duties such as making and approving work assignments and conducting on-the-job training as well as performing the various tasks performed by the Mechanic classification.

These classifications are recommended to be inclusive and to supersede any previously adopted classifications.

#### **CUSTODIANS**

Last Revision: 12-06-2013 Effective: 12-18-2014

<u>Classification</u> <u>Base Wage</u> <u>Fringes</u>

Custodian I

\$13.73/hour \$4.98 SINGLE

\$6.95 2-PARTY \$8.84 FAMILY

Custodian II

\$14.08/hour \$5.03 SINGLE

\$7.01 2-PARTY \$8.90 FAMILY

#### Benefits and Overtime

Parking With valid receipt from approved parking lot, employees are reimbursed the

actual monthly cost of parking.

RTD Bus Pass Employer will provide employees with the Bus Pass or pay (\$0.19) per hour for

travel differential.

Shift Differential 2nd shift (2:30 p.m.-10:30 p.m.): \$.50/hr

3rd shift (10:31 p.m.-6:30 a.m.): \$1.00/hr.

Overtime Time worked in excess of seven and one-half (7 ½) hours in one (1) day or in

excess of thirty-seven and one-half (37  $\frac{1}{2}$ ) hours in one week shall constitute overtime and shall be paid for at the rate of time and one-half (1  $\frac{1}{2}$ ) at the

employee's basic straight time hourly rate of pay.

Lunch Any employee working seven and a half (7.5) hours in a day is entitled to a thirty

(30) minute paid lunch.

Note The Career Service Board in their public hearing on March 15, 2007 approved to

amend prevailing wages paid to the Custodian as follows: "All contractors shall provide fringe benefits or cash equivalent at not less than the single rate amount. Contractors who offer health insurance shall provide an employer contribution to such insurance of not less than the 2-party or family rate for any employee who elects 2-party or family coverage. Contractors who offer such coverage will be reimbursed for their employer contributions at the above rates under any City

contract incorporating this wage specification."

#### **Position Descriptions:**

Custodian I Any employee performing general clean-up duties using equipment that does not

require special training: i.e., dust mopping, damp mopping, vacuuming, emptying

trash, spray cleaning, washing toilets, sinks, walls, cleaning chairs, etc.

Custodian II Any employee performing specialized cleaning duties requiring technical training

and the use of heavy and technical equipment, i.e., heavy machine operators floor strippers and waxers, carpet shampooers, spray buffing, re-lamping, mopping behind machines, high ladder work, chemical stripping and finishing of

stainless steel.

#### **DIA Oil and Gas Wages**

Last Revision: 4-3-2014 Effective: 3-19-2015

Classification:	Base Wages:	Fringes:
Mechanic	\$22.05	\$6.56
Pipefitter	\$24.59	\$6.86
Rig/Drill Operator	\$20.88	\$6.43
Derrick Hand/Roustabout	\$13.87	\$5.62
Truck Driver	\$20.37	\$6.37

Service Contract Act Wage Determination No. 2005-2081 Rev No. 15 was used to obtain the base wages and fringe benefits.

#### **HEAVY EQUIPMENT MECHANIC**

The Heavy Equipment Mechanic analyzes malfunctions and repairs, rebuilds and maintains power equipment, such as cranes, power shovels, scrapers, paving machines, motor graders, trench-digging machines, conveyors, bulldozers, dredges, pumps, compressors and pneumatic tools. This worker operates and inspects machines or equipment to diagnose defects, dismantles and reassembles equipment, using hoists and hand tools, examines parts for damage or excessive wear, using micrometers and gauges, replaces defective engines and subassemblies, such as transmissions, and tests overhauled equipment to insure operating efficiency. The mechanic welds broken parts and structural members, may direct workers engaged in cleaning parts and assisting with assembly and disassembly of equipment, and may repair, adjust and maintain mining machinery, such as stripping and loading shovels, drilling and cutting machines, and continuous mining machines.

#### PIPEFITTER, MAINTENANCE

The Pipefitter, Maintenance installs or repairs water, steam, gas or other types of pipe and pipefitting. Work involves most of the following: laying out work and measuring to locate position of pipe from drawings or other written specifications, cutting various sizes of pipe to correct lengths with chisel and hammer, oxyacetylene torch or pipe-cutting machines, threading pipe with stocks and dies. This person is responsible for bending pipe by hand-driven or power-driven machines, assembling pipe with couplings and fastening pipe to hangers, making standard shop computations relating to pressures, flow and size of pipe required; and making standard tests to determine whether finished pipes meet specifications. In general, the work of the Maintenance Pipefitter requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

#### **WELL DRILLER**

This incumbent sets up and operates portable drilling rig (machine and related equipment) to drill wells, extends stabilizing jackscrews to support and level drilling rig, moves levers to control power-driven winch that raises and extends telescoping mast. This person bolts trusses and guy wires to raise mast and anchors them to machine frame and stakes, and assembles drilling tools, using hand tools or power tools. The Well Driller moves levers and pedals to raise tools into vertical drilling position and lowers well casing (pipe that shores up walls of well) into well bore, using winch, moves levers and pedals and turns hand wells to control reciprocating action of machine and to drive or extract well casing.

#### **LABORER**

The Laborer performs tasks that require mainly physical abilities and effort involving little or no specialized skill or prior work experience. The following tasks are typical of this occupation: The Laborer loads and unloads trucks, and other conveyances, moves supplies and materials to proper location by wheelbarrow or hand truck; stacks materials for storage or binning, collects refuse and salvageable materials, and digs, fills, and tamps earth excavations, The Laborer levels ground using pick, shovel, tamper and rake, shovels concrete and snow; cleans culverts and ditches, cuts tree and brush; operates power lawnmowers, moves and arranges heavy pieces of office and household furniture, equipment, and appliance, moves heavy pieces of automotive, medical engineering, and other types of machinery and equipment, spreads sand and salt on icy roads and walkways, and picks up leaves and trash.

#### TRUCKDRIVER, HEAVY TRUCK

Straight truck, over 4 tons, usually 10 wheels. The Truckdriver drives a truck to transport materials, merchandise, equipment, or workers between various types of establishments such as: manufacturing plants, freight depots, warehouses, wholesale and retail establishments, or between retail establishments and customers' houses or places of business. This driver may also load or unload truck with or without helpers, make minor mechanical repairs, and keep truck in good working order.

### **Glycol Facility Wages**

Last Revision: 6-6-2013 Effective: 7-17-2014

Classification:	SCA Title	Base Wage	Fringes	Total
Deicing Facility Operator	Water Treatment Plant Operator	\$22.79	\$6.44	\$29.23
Maintenance Mechanic	Machinery Maintenance Mechanic	\$23.43	\$6.51	\$29.94
Material Handling Laborer	Material Handling Laborer	\$17.36	\$5.81	\$23.17

Service Contract Act Wage Determination No. 2005-2081 Rev No. 13 was used to obtain the base wages.

Service Contract Act Wage Determination No. : 2005-2081, Rev No. 13, Dated 06/25/2013 was used to calculate benefits:

#### **FIRE EXTINGUISHER REPAIRER**

Last Revision: 09/05/2013 Effective Date: 09/25/2014

Classification: Base Wages: Fringes:

Fire Extinguisher Repairer \$18.97/hour \$6.21/hour

The Fire Extinguisher Repairer performs the following duties: repairs and tests fire extinguishers in repair shops and in establishments, such as factories, homes, garages, and office buildings, Using hand tools and hydrostatic test equipment, this repairer dismantles extinguisher and examines tubings, horns, head gaskets, cutter disks, and other parts for defects, and replaces worn or damaged parts. Using hand tools, this repairer cleans extinguishers and recharges them with materials, (such as soda water and sulfuric acid, carbon tetrachloride, nitrogen or patented solutions); tests extinguishers for conformity with legal specifications using hydrostatic test equipment, and may install cabinets and brackets to hold extinguishers.

#### **FURNITURE MOVERS**

(Moving, Storage and Cartage Workers)

Last Revision: 12-6-2013 Effective: 10-9-2014

Classification:Base WageFringesLaborer/Helper\$17.36/hour\$6.02/hourDriver/Packer\$17.43/hour\$6.03/hourLead Worker\$18.22/hour\$6.12/hour

#### LANDSIDE PARKING ELECTRONICS TECHNICIAN

Last Revision: 12-6-2013 Effective: 10-9-2014

Classification: <u>Base Wage</u> <u>Fringes</u>

Landside Parking Electronics \$22.14/hour \$6.57/hour

**Technician** 

Plus 10% shift differential for regularly scheduled hours worked between 6:00 p.m. and 6:00 a.m.

This classification of work installs, modifies, troubleshoots, repairs and maintains revenue control equipment at manned and unmanned parking entrance and exit gates. Replaces consumable items such as tickets, printer ribbons, and light bulbs. Replaces modules and related equipment as needed to repair existing equipment, modify applications, or resolve unusual problems. Troubleshoots, tests, diagnoses, calibrates, and performs field repairs. Performs preventive maintenance such as inspection, testing, cleaning, lubricating, adjusting and replacing of serviceable parts to prevent equipment failure for electromechanical control in order to minimize repair problems and meet manufacturers' specifications.

#### **SIGN ERECTOR**

Last Revision: 10-15-2009 Effective: 10-15-2010

Classification: <u>Base Wage</u> <u>Fringes</u>

**Sign Erector** \$20.19/hour \$3.80/hour

This classification of work erects, assembles, and/or maintains signs, sign structures and/or billboards using various tools. Erects pre-assembled illuminated signs on buildings or other structures according to sketches, drawings, or blueprints. Digs and fills holes, places poles. Bolts, screws. or nails sign panels to sign post or frame. Replaces or repairs damaged or worn signs. May use welding equipment when installing sign. This classification is not a licensed electrician and therefore cannot make connections to power sources (i.e., provide exit lighting).

#### **TELEDATA TECHNICIAN**

Effective 09/16/2014 the Teledata Technician classification will utilize the base pay and fringe benefits for the Electrician classification under the Davis Bacon Building wage determination.

#### <u>TILE SETTER-MARBLE MASONS-TERRAZZO</u> <u>FINISHERS, FLOOR GRINDERS, AND BASE GRINDERS</u>

Last Revision: 09-05-2013 Effective: 06-19-2014

Classification: <u>Base Wage</u> <u>Fringes</u>

**Finisher (Tile-** \$19.80/hr \$7.82/hr

Marble-Terrazzo)

Effective May 1, 2008, Local Union 7 of Colorado combined three classes of Finishers, Floor Grinders, and Base Grinders into Finisher using one pay schedule.

Journeymen Rates for the Tile Setter classification of work (Tile Setter, Marble Mason, and Terrazzo Worker) are provided by the Davis-Bacon Act.

#### **TRANSIT TECHNICIANS**

Last Revision: 1-1-2014

Transit Technician Series Effective: 12-18-2014

Elevator Repairer Effective: 12-18-2014

Classification:	Base Wage	<u>Fringes</u>
Transit Technician - Entry Transit Technician - Senior Transit Technician - Lead Elevator Mechanic/Repairer	\$22.21/hour \$24.28/hour \$25.38/hour \$40.68/hour	\$6.58/hour \$6.82/hour \$6.95/hour \$32.38/hour (< 5 yrs service) \$33.19/hour (> 5 yrs service)

In addition, Shift differentials of eight percent (8%) of the employee's straight time pay rate for the second shift and ten percent (10%) for the third shift for straight time work regularly scheduled providing lore that (50%) of the employee's work occurred on such shift.

**Transit Technician-Entry:** Associates in this position will be given instruction by on-the-job and/or classroom training to perform corrective and preventive maintenance, inspections, repairs, and adjustments to all systems, subsystems, and components of an electronic, mechanical, electro/mechanical, hydraulic, and pneumatic nature. This classification of workers may assist with routine preventive maintenance, inspection, and adjustment. Tasks and procedures are well established and require close supervision. Incumbents will follow the direction of higher level personnel in preventive or corrective maintenance phases of work. Most tasks will be of an apprentice nature and will require close supervision. Incumbents will progress to the journey level after one year as a Transit Technician-Entry.

**Transit Technician-Senior:** This is a full performance level class performing various corrective and preventive maintenance, inspections, repairs, and adjustments to all systems, subsystems, and components of an electronic, mechanical, electro-mechanical, hydraulic, and pneumatic nature; monitors the transit system via a central computer system to make automated adjustments in the operation and maintenance of the transit system.

**Transit Technician-Lead:** Performs lead technical duties such as making work assignments and conducting on-the-job informal training as well as performing various tasks involved with the operation and maintenance of the transit system. The Lead Transit Technician is the specialist in terms of hands-on diagnosis and troubleshooting various problems that may arise on the transit system.

#### TREE TRIMMERS

Last Revision: 10-15-2009 Effective: 10-15-2010

Classification: <u>Base Wage</u> <u>Fringes</u>

**Tree Trimmer** \$16.77/hour \$2.48/hour

This classification of work trims, removes, and applies insecticides to trees and shrubbery including trimming dead, diseased, or broken limbs from trees utilizing rope and saddle, chain, handsaw and other related equipment common to the care of trees and shrubs. Removes limbs, branches and other litter from the work area, observes safety rules, inspects and identifies tree diseases and insects of the area distinguishing beneficial insects and environmental stress, takes samples form diseased or insect infested trees for lab analysis, operates a wide variety of heavy and power equipment in trimming and removing trees and shrubbery i.e. mobile aerial tower unit, tandem trucks, loaders, chipper, etc., maintains all equipments.

#### **WINDOW CLEANERS**

Last Revision: 5-15-2014 Effective: 12-18-2014

Classification:

Window Cleaner	\$23.23/hour	\$8.13/hr (Single) \$10.11/hr (2-Party) \$11.99/hr (Family)
Benefits/Overtime		
Parking	employees are reimbushall reimburse emplo parking lots up to the a	king receipt from approved parking lot, irsed for the cost of parking. The employer yees for parking expenses from other amount reimbursed for DIA Employee submission of a monthly parking receipt. er month.
Shift Differential	\$0.75 per hour for emp	ployees assigned to 3rd shift (11:00 p.m. to

Base Wage

Overtime One and one-half (1½) times the basic rate of pay in excess of 7.5

7:00 a.m.)

hours worked per day or 37.5 hours worked per week.

**Fringes** 

Lunch Any employee working seven and a half (7.5) hours in a day is

entitled to a thirty (30) minute paid lunch.

Lead Work \$1.25 per hour above highest paid employee under supervision

High Work \$1.75 per hour (21 feet or more from ground (base) to top of

surface/structure being cleaned)

Training \$0.25 per hour

ECOPASS The Company will provide an Eco-Pass to all bargaining unit

employees or pay \$.19 per hour for travel differential.

Note: The Career Service Board in their public hearing on April 3,

2008, approved to amend prevailing wages paid to the Window Cleaners as follows: "All contractors shall provide fringe benefits or cash equivalent at not less than the single rate amount. Contractors who offer health insurance shall provide an employer contribution to such insurance of not less than the 2-party or family rate for any employee who elects 2-party or family

coverage. Contractors who offer such coverage will be reimbursed for their employer contributions at the above rates under any City contract incorporating this wage specification."

#### **Pest Controller**

Last Revision: 9-5-2013 Effective Date: 9-25-2014

Classification: <u>Base Wage</u> <u>Fringes</u>

**Pest Controller** \$20.41/hour \$6.38/hour

The Pest Controller sprays chemical solutions or toxic gases and sets mechanical traps to kill pests that infest buildings and surrounding areas, fumigates rooms and buildings using toxic gases, sprays chemical solutions or dusts powders in rooms and work areas, places poisonous paste or bait and mechanical traps where pests are present; may clean areas that harbor pests, using rakes, brooms, shovels, and mops preparatory to fumigating; and may be required to hold State license

#### **EXHIBIT L**

Exhibit \_\_\_\_\_ - Billing Rates for Salaried Personnel Central Denver Recreation Center A&P Job # 6992

(Rates valid from August 1, 2015 to April 30, 2017. Personnel rates & burdens below for exempt persons not subject to Prevailing Wages are blended amounts)

	Base	Burden	Burden		Total Rate
					(Rounded to
Classification	Rate	Amount	Rate	Total	whole dollars)
Project Executive	75.48	28.16	37.31%	103.64	104.00
General Superintendent	66.07	26.44	40.02%	92.51	93.00
Senior Project Manager	55.29	24.47	44.26%	79.76	80.00
Superintendent	60.37	25.40	42.08%	85.77	86.00
Assistant Project Manager/MEP Coordinator/IT Manager	50.96	23.31	45.74%	74.28	75.00
Assistant Superintendent/Surveyor/Field Engineer/Project					
Engineer	38.52	16.41	42.61%	54.94	55.00
Warehouse Hauling	35.92	18.94	52.73%	54.87	55.00
Equipment Operator	35.74	18.90	52.89%	54.64	55.00
Carpenter Foreman	32.65	17.77	54.44%	50.43	51.00
Carpenters	28.45	16.88	59.34%	45.33	46.00
Labor Foreman	20.83	15.26	73.26%	36.10	37.00
Laborers	18.13	14.69	81.01%	32.82	33.00

## $\underline{EXHIBIT\ L}$

## Exhibit \_\_\_\_\_ - Staffing Schedule

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**Total Anticipated Staffing Costs** 

#### **EXHIBIT M**

#### Exhibit - Contractor Owned Equipment Rental Rates

Central Denver Recreation Center A&P Job # 6992

AED Green Book 2014 Rental Rates 85% of AED or AED or UR AED or UR AED AED or UR Factor From AED or UR Rate for Rental Market Rates / unit Page # Base Rate Region 6 Factor Adjusted Rate 2014 to 2016 Middle of Job Comments Boom Truck - 60' (JLG G10-55A or similar) \$66.70 hour vii \$73.25 1.03 \$75.45 1.04 \$78.47 Total Station & Accessories, 6TS 12D \$452.65 month \$539.00 0.95 \$512.05 \$532.53 1.04 Truck Trailer (flatbed, similar to landscaper's trailer to move small equipment and materials around, mesh or wood plankl side cages) \$458.53 month 70 \$546.00 0.95 \$518.70 1.04 \$539.45 Welding machine & Accessories (Lincoln type arc welder similar to what a plumber might use) \$16.16 month \$17.75 1.03 \$18.28 1.04 \$19.01 Compressor, Hammers, & Hoses (wheeled unit similar to what a demo sub might use) \$495.54 month \$637.00 0.88 \$560.56 27 1.04 \$582.98 Truck, Fuel, Survey (Toyota Tacoma or similar) \$400.00 month Rate established per GC matrix Superintendent's Pick-up Truck (Toyota Tacoma or \$935.27 month \$1,058.00 1.00 \$1,058.00 similar) 38 1.04 \$1,100.32 No rate from AED, got from United Rentais No rate from any of the rental agencies or AED; used Data Collector 48GX & Access. \$168.00 month 1.00 \$0.00 1 04 \$0.00 our historic rate Generator - 5KW (skid mounted type like a residential house framer might use-Honda might be one typical \$368.67 month \$439.00 0.95 \$417.05 \$433.73 manufacturer) 67 1.04 Laser & Accessories 3900 Series \$414.86 month \$494.00 0.95 \$469.30 1.04 \$488.07 Storage Trailers 52' (Conex type box) \$375.00 month Rate established per GC matrix Ground Thaw Equipment (trailer mounted with the boiler, the hoses and reels, etc. Thawszall is one our typical brand names) \$7,072.00 month \$8.000.00 1.00 \$8.000.00 1.04 \$8.320.00 No rate from AED, got from United Rentais Robotic Total Station (Trimble S3 - 2"/Global/TSC3 No rate from any of the rental agencies or AED; used Controller, rod, bipod, wood tripod, optical plummet our historic rate. It is close to an \$80 k piece of Tribach adapter, CST single prism assembly) \$2,427.00 month 1.00 \$0.00 1.04 \$0.00 equipment to purchase new. Wire Feed Welder-Lincoln SP100 \$431.75 month \$555.00 0.88 \$488.40 1.04 \$507.94 Concrete Planer-Makita \$690.58 month 36 \$744.00 1.05 \$781.20 \$812.45 1.04 Builders level-Trimble B20 \$351.04 month 68 \$418.00 0.95 \$397.10 1.04 \$412.98 Transit-Trimble DT 20B \$351.04 month 68 \$418.00 0.95 \$397.10 1 04 \$412.98 Scaffold (per section) - (Aluminum, no particular brand name-similar to WACO or Safeco rental equipment) \$28.55 month 69 \$34.00 0.95 \$32.30 1.04 \$33.59 Cutting Torches & Cart (steel cart like a dolley with wheels, rack to hold an oxygen & acetylene bottle with tie-back straps, hoses and tips for the welding apparatus & regulators for each tank) \$337.69 month \$382.00 1.00 \$382.00 1.04 \$397.28 No rate from AED, got from United Rentais Dust Evacutation Fans - 36" (big rectangular box fans, no particular brand name) \$207.43 month 67 \$247.00 0.95 \$234.65 1.04 \$244.04 Drywall carts (cart like you would use at Home Depot or Lowe's to move lumber & sheet goods around) \$118.46 month \$134.00 1.00 \$134.00 1.04 \$139.36 No rate from AED, got from United Rentais No rate from any of the rental agencies or AED; used Concrete Blanket 10'x20' \$5.00 week 1.00 \$0.00 1.04 \$0.00 our historic rate Roof Safety Stands (stair rail stanchions) (looks like a WACO or Safeco type piece of equipment made of aluminum to create a safety rail at a roof area without No rate from any of the rental agencies or AED; used drilling holes in structure) \$5.00 month 1.00 \$0.00 1.04 \$0.00 our historic rate No rate from any of the rental agencies or AED; used Yard Masonite per Sheet \$3.00 month 1.00 \$0.00 1.04 \$0.00 our historic rate

## Exhibit \_\_\_\_\_ - Contractor Owned Equipment Rental Rates Central Denver Recreation Center A&P Job #

6992

		,	AED Green B	ook 2014 Rent	al Rates				
	85% of AED or Rental Market Rates		AED or UR Page #	AED or UR Base Rate	AED Region 6 Factor	AED or UR Adjusted Rate	Factor From 2014 to 2016	AED or UR Rate for Middle of Job	Comments
Pallet Jack (manual hydraulic jack, no particular brand			•		_	•	2014 to 2010		
name)	\$362.44	month	32	\$410.00	1.00	\$410.00	1.04	\$426.40	No rate from AED, got from United Rentais
Floor Buffer Plate Compactor (similar to a jumping jack type	\$578.77	month	36	\$744.00	0.88	\$654.72	1.04	\$680.91	
compactor)  Vibrator - high cycle (typical gas powered concrete	\$511.60	month	31	\$573.00	1.01	\$578.73	1.04	\$601.88	
vibrator, no particular brand name)	\$353.64	month	37	\$381.00	1.05	\$400.05	1.04	\$416.05	
Demo saw - (Partner 12")	\$317.34	month	62	\$386.00	0.93	\$358.98	1.04	\$373.34	
Sawzall (reciprocating type saw) Grout Pump (no particular brand name, for grouting	\$83.03	month	63	\$101.00	0.93	\$93.93	1.04	\$97.69	
base plates, CMU walls, etc.) Gang Box (we buy some off the shelf units, but also have many new ones that we custom build out of	\$271.96	week	37	\$293.00	1.05	\$307.65	1.04	\$319.96	
diamond checkerplate materials with heavy security and lock systems on them as well as power									No state for some of the sound of the state of the sound of the state
capabilities in the box)	\$27.00	month			1.00	\$0.00	1.04	\$0.00	No rate from any of the rental agencies or AED; used our historic rate
Air Monitor (not sure on a particular brand. Not used very often, so I don't have much info on it)  Calibration for above air monitor (price is per each, use	\$197.00	month			1.00	\$0.00	1.04	\$0.00	No rate from any of the rental agencies or AED; used our historic rate
more than one month if more than one calibration in a month)	\$59.00	month			1.00	\$0.00	1.04	\$0.00	No rate from any of the rental agencies or AED; used our historic rate
Pump (gas powered 2" or 3" trash pump, maybe a Honda type brand)	\$41.83	week	43	\$52.00	0.91	\$47.32	1.04	\$49.21	
Equipment Fuel Tanks for Pick-up Truck (box-type tanks built into certain trucks for fueling jobsite equipment)  Office Trailer with Metal Stairs & Rails (ours are equipped	\$108.00	month			1.00	\$0.00	1.04		No rate from any of the rental agencies or AED; used our historic rate
with storage bins for submittals, extensive shelving for plans & office supplies storage, closet, but no restrooms)	\$275.00	month							Rate established per GC matrix
Fax Machine (not getting used much anymore. Most of									
the Savin copiers we use can accept faxes now or we can get them through our e-mail accounts)	\$43.00	month			1.00	\$0.00	1.04		No rate from any of the rental agencies or AED; used our historic rate
Microwave, Refrig, Coffee Machine (just residential type stuff; no particular brand name)	\$43.00	month			1.00	\$0.00	1.04	\$0.00	No rate from any of the rental agencies or AED; used our historic rate
Conf Room Furniture (table, chairs, etc.)	\$11.00	month			1.00	\$0.00	1.04	\$0.00	No rate from any of the rental agencies or AED; used our historic rate
Bobcat (Model S175 or Similar) Various accessories for Bobcat that are typically	\$1,452.61	month v	vii	\$1,611.00	1.02	\$1,643.22	1.04	\$1,708.95	
rented separately by rental agencies: Forks (lifting ability, but not retractable like a telehandler's forks) Smooth bucket (the bucket just has a flat blade	\$265.09	month	52	\$294.00	1.02	\$299.88	1.04	\$311.88	
across front to ease with cleaning up stuff that can be scraped)	\$421.99	month	52	\$468.00	1.02	\$477.36	1.04	\$496.45	
Tooth bucket (teeth on front of bucket to work with soils)	\$421.99	month	52	\$468.00	1.02	\$477.36	1.04	\$496.45	
Snow bucket (has other components to aid with snow removal)	\$694.29	month	52	\$770.00	1.02	\$785.40	1.04	\$816.82	
Auger 700 Series 12",18",24" (for coring light pole bases and similar smaller bored items)	\$591.50	month	52	\$656.00	1.02	\$669.12	1.04	\$695.88	
Sweeper 72" (box with brush system for cleaning paved areas)	\$897.17	month	52	\$995.00	1.02	\$1,014.90	1.04	\$1,055.50	

## Exhibit \_\_\_\_ - Contractor Owned Equipment Rental Rates Central Denver Recreation Center A&P Job #

6992

			AED Green B	ook 2014 Rent	al Rates				
	85% of AED or		AED or UR		AED	AED or UR	Factor From	AED or UR Rate for	
Trencher (small accessory for light trench work like a	Rental Market Rates	/ unit	Page #	Base Rate	Region 6 Factor	Adjusted Rate	2014 to 2016	Middle of Job	Comments
landscaper might perform)	\$668.14	month	52	\$741.00	1.02	\$755.82	1.04	\$786.05	
Composite Bobcat (comes with all basic accessories from above, except sweeper) Used for simplicity to charge one item instead of multiple items for each accessory Gradall (generically a Telehandler Forklift) - We have mostly Gradalls, but they are not manufactured anymore so I don't have a typical model number.	\$3,399.33	month	52	\$3,770.00	1.02	\$3,845.40	1.04	\$3,999.22	
Similar to a Lull that a masonry subcontractor would use with forks)  Material Bucket (Plywood & steel trash box that we can	\$2,174.32	month	41	\$2,388.00	1.03	\$2,459.64	1.04	\$2,558.03	
put on forks or end of boom to reach openings on upper floors)	\$324.00	month			1.00	\$0.00	1.04		No rate from any of the rental agencies or AED; used our historic rate
15' Boom (gives the telehandler ability to extend reach and retract beyond just using standard forks)	\$162.00	month			1.00	\$0.00	1.04		No rate from any of the rental agencies or AED; used our historic rate

#### **EXHIBIT N**



### CERTIFICATE OF LIABILITY INSURANCE Page 1 of 1

DATE (MM/DD/YYYY) 03/27/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies)must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER		CONTACT NAME:							
Willis of Minnesota, Inc. c/o 26 Century Blvd. P. O. Box 305191		PHONE (A/C, NO, EXT): 877-945-7378 FAX (A/C, NO): 888-46							
	P. O. Box 305191	E-MAIL ADDRESS: <b>certificates@willis.com</b>							
	Nashville, TN 37230-5191	INSURER(S)AFFORDING COVERAGE	NAIC#						
		INSURER A: Arch Insurance Company	11150-900						
INSURED	AP Mountain States, LLC	INSURER B: Starr Indemnity and Liability Company	38318-001						
	797 Ventura Street	INSURER C: Arch Insurance Company	11150-000						
	Aurora, CO 80011	INSURER D: Arch Specialty Insurance Company	21199-000						
		INSURER E:							
1		INSURER F:							

COVERAGES CERTIFICATE NUMBER: 22989173

REVISION NUMBER: See Remarks

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR		TYPE OF INSURANCE	ADDL	SUBF	POLICY NUMBER	POLICY EFF	POLICY EXP	LIMITS
LTR		I TPE OF INSURANCE	INSD	WVD	POLICY NUMBER	(MM/DD/YYYY)	(MM/DD/YYYY)	LIMITS
A	Х	COMMERCIAL GENERAL LIABILITY	Y	Y	51PKG8919401	3/1/2015	3/1/2016	EACH OCCURRENCE \$ 2,000,000
		CLAIMS-MADE X OCCUR						PAMAGE TO RENTED \$ 500,000
	х	Contractual Liability						MED EXP (Any one person) \$ 10,000
								PERSONAL & ADV INJURY \$ 2,000,000
	GEN	LAGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE \$ 4,000,000
		POLICY X PRO- JECT X LOC						PRODUCTS - COMP/OP AGG \$ 4,000,000
		OTHER:						\$
A	AUT	OMOBILE LIABILITY	Y	Y	51PKG8919401	3/1/2015	3/1/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	x	ANY AUTO						BODILY INJURY(Per person) \$
		ALL OWNED SCHEDULED AUTOS						BODILY INJURY(Per accident) \$
		HIRED AUTOS NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident) \$
								\$
В		UMBRELLA LIAB X OCCUR			1000021565	3/1/2015	3/1/2016	EACH OCCURRENCE \$ 3,000,000
	x	EXCESS LIAB CLAIMS-MADE						AGGREGATE \$ 3,000,000
		DED RETENTION \$						\$
С		KERS COMPENSATION EMPLOYERS' LIABILITY		Y	AOS 51WCI8919301	3/1/2015	3/1/2016	X PER OTH- STATUTE ER
	ANY	PROPRIETOR/PARTNER/EXECUTIVE N	N/A					E.L. EACH ACCIDENT \$ 1,000,000
	(Man	datory in NH)						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
	DES	, describe under CRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Con	tractor's	Y		CPP0056620-01	3/1/2015	3/1/2016	
		fessional(Claims Made)						\$5,000,000 Combined Limit
		llution Liability						
	(00	currence)						\$ 250,000 Deductible - Each Claim

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
THIS VOIDS AND REPLACES PREVIOUSLY ISSUED CERTIFICATE DATED: 2/26/2015 WITH ID: 22809534

Re: Central Denver Recreation Center, Denver, CO. -

The City and County of Denver, its elected and appointed officials, employees and volunteers are Additional Insureds as respects to General Liability, Automobile Liability and Pollution Liability policies as required by written contract, agreement or permit executed prior to loss.

#### **CERTIFICATE HOLDER**

#### **CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

The City and County of Denver Attn: Brett Hanenkamp, P.E., Leed AP Webb Municipal Office Building 201 West Colfax Avenue Denver, CO 80202

AUTHORIZED REPRESENTATIVE

Coll:4655123 Tpl:1923819 Cert:22989173 ©1988-2014 ACORD CORPORATION. All rights reserved.

#### **EXHIBIT O**

## CITY AND COUNTY OF DENVER DIVISION OF SMALL BUSINESS OPPORTUNITY

## CONTRUCTION CONTRACT COMPLIANCE PLAN FOR M/WBE PARTICIPATION

# AP MOUNTAIN STATES D/B/A ADOLFSON & PETERSON CONSTRUCTION [CENTRAL DENVER RECREATION CENTER] [A&P Job #6992]

SECTION 1:	INTRODUCTION	. 2
SECTION 2:	KEY PERSONNEL	
SECTION 3:	STRUCTURING BID PACKAGES FOR M/WBE PARTICIPATION	. 3
SECTION 4:	COMMUNITY OUTREACH EFFORTS AND ADVERTISING TO M/WBE CERTIFIED FIRMS	. 5
SECTION 5:	M/WBE PARTICIPATION; MAINTAINING COMMITMENTS	. 7
SECTION 6:	COMPLIANCE DOCUMENTS AND REPORTING	. 8
SECTION 7:	PLAN ADMINISTRATION; MONITORING; CLOSEOUT	. 9
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SECTION 0.	MEDIATION	1 1

## CITY AND COUNTY OF DENVER DIVISION OF SMALL BUSINESS OPPORTUNITY

#### CONSTRUCTION CONTRACT COMPLIANCE PLAN FOR M/WBE PARTICIPATION

AP MOUNTAIN STATES, LLC D/B/A ADOLFSON & PETERSON CONSTRUCTION [CENTRAL DENVER RECREATION CENTER] [A&P Job #6992]

#### **SECTION 1: INTRODUCTION**

- A. [AP Mountain States, LLC d.b.a. Adolfson & Peterson Construction] (the "Contractor") submits this Compliance Plan to the Director of the Division of Small Business Opportunity ("Director"), as required by the Manager of Public Works, in accordance with
  - §§ 28-51 to 28-90, D.R.M.C., and the implementing rules adopted by the Director ("Rules").
- B. Under the City's Ordinance No. 85, Series of 2014 (the "M/WBE Ordinance"), codified at §§ 28-51 to 28-90, D.R.M.C., the M/WBE participation goal for this contract is [22% for construction]. The good faith solicitation level is 100%
- C. The Contractor is committed to compliance with the M/WBE Ordinance in its performance of the Contract. The Contractor will continually pursue a level of M/WBE participation that equals or exceeds [22]% of the total construction price under the Contract.
- D. Because of the delivery method used for this Project, the work was not ready for subcontracting at the time when the Contractor was awarded the Contract. Therefore this Compliance Plan provides for the M/WBE solicitation and subcontracting to be performed after contract formation. The process by which the Contractor will solicit, obtain, count and maintain participation by MBE and WBE firms for this Project under this Compliance Plan, will be same as the M/WBE Ordinance requires for "design-bid-build" construction contracts.
- E. This Compliance Plan describes how the Contractor will address the project goal at the point where the project work is sufficiently defined that the process of obtaining subcontractors and suppliers can begin, by committing to utilize MBE/WBEs for the Project work, using the good faith efforts as defined by the M/WBE Ordinance.
- F. The delivery method for this project under the Contract is [CM/GC].

G. The Contractor [will] deliver the construction work in phases. [If the work will be delivered in phases, Section 3 below describes the Contractor's plan to meet the project goal as it relates to such phases.]

#### **SECTION 2: KEY PERSONNEL**

[Tom Bailey], [303-944-1690], [tbailey@a-p.com], has been assigned as the [Senior Project Manager] for this Contract. The [Senior Project Manager] is responsible for the overall management of the Contractor's performance of the Project.

[Identify the other key staff who will be responsible for carrying out the Compliance Plan, and for contract administration for subcontractors and suppliers, etc. The following are examples, to be tailored to the Contractor's situation:]

[Tom Driscoll (TD)], [303-598-4716], [tdriscoll@a-p.com], is the [Superintendent], who reports to the [Senior Project Manager] and is responsible for compliance with this Compliance Plan, outreach and coordination activities, and maintaining appropriate records to ensure that goals are met.

[Tom Bailey], [303-944-1690], [tbailey@a-p.com], who is the [Senior Project Manager] who along with a Project Engineer to be named later will administer subcontracts and ensure that all documentation required by DSBO is prepared and maintained. [Tom Bailey] will coordinate the collection of DSBO documentation and monthly payroll reports from all subcontractors and suppliers, including but not limited to M/WBEs.

[Cole Mayer], [303-326-5854], [cmayer@a-p.com], is the [Pre-construction Manager], who will have the primary responsibility for subcontractor solicitation, subcontractor outreach, review of subcontractor bids and will assemble the intermediate and final estimates. In addition, Cole will have the primary responsibility for distribution of subcontractor pre-qualification information and for gathering and reviewing the completed forms.

#### SECTION 3: STRUCTURING BID PACKAGES FOR M/WBE PARTICIPATION

A. The Contractor has identified preliminarily the following separate packages of work to be subcontracted:

[Display the information in chart form. Examples are provided below for your use. Customize the form so that it provides the information specific to your project. The total at bottom needs to be the contract total. Showing subtotals along the way for completely different types of work is acceptable. Force accounts and contingency fees may be deducted from the total goals are met upon. The overall committed contract goal is the percentage stated on page 1.]

#### **GOALS SCHEDULE CHART**

GOALS SCHEDULE CHART #1									
		Total Con Value	Estimated Poter Participation	Estimated Potential MWBE Participation					
Workscope	Tier	Total Contract	Total Contract %	\$ of Listed Scope	% of Constr Services				
Workscope	riei	\$	70	ССОРЕ	Gervices				
Phase I Bid Packages:									
Surveying	1st	\$40,120.00	0.15%	\$0.00	0.009				
Erosion and Sedimentation Controls	1st	\$110,135.00	0.42%	\$0.00	0.009				
Earthwork	1st	\$470,670.00	1.79%	\$0.00	0.00				
Utilities	1st	\$755,534.00	2.88%	\$0.00	0.00				
Shoring	1st	\$53,172.00	0.20%	\$0.00	0.00				
Dewatering	1st	\$34,330.00	0.20%	\$0.00	0.00				
Dewatering Drilled Piers	2nd	\$440,672.00	1.68%	\$0.00 \$110,168.00	25.00°				
Concrete Forming Walls	2nd	\$876,678.00	3.34%	\$490,939.68	56.00				
Reinforcing & WWF Supply	1st	\$126,001.00	0.48%	\$490,939.66	0.00				
Reinforcing & WWF Supply Reinforcing & WWF Installation	2nd	\$126,001.00 \$59,345.00	0.48%	\$0.00 \$59,345.00	100.00				
Swimming Pool Package	2nd 2nd	\$59,345.00 \$3,110,672.00	11.86%	\$59,345.00 \$684,347.84	22.00				
0 0									
PDU Phase I Bid Packages Subtotal	1st	\$500,000.00 \$6,077,329.00	1.91%	\$0.00 \$1,344,800.52	0.00 <b>22.13</b>				
General Requirements-Final Cleaning of Exterior Site	1st	\$3,425.00 \$165.004.00	0.01%	\$3,425.00	100.00				
General Requirements-Large Crane	1st	\$165,994.00	0.63%	\$0.00	0.00				
General Requirements-Traffic Control & Barricades, LEED Recycling Signage, Temp. Lighting & Temp Heating	1st	\$168,865.00	0.64%	\$42,216.25	25.00				
General Requirements-Misc. Drawing				,					
Reproductions	1st	\$4,000.00	0.02%	\$0.00	0.00				
Concrete Flatwork Slabs	2nd	\$447,471.00	1.71%	\$223,735.50	50.00				
Steel	1st	\$2,299,764.00	8.77%	\$505,948.08	22.00				
Masonry	1st	\$1,255,162.00	4.78%	\$941,371.50	75.00				
Millwork	1st	\$124,414.00	0.47%	\$0.00	0.00				
Fiberglass Reinforced Plastic Panels	1st	\$896.00	0.00%	\$0.00	0.00				
nsulation	1st	\$106,898.00	0.41%	\$106,898.00	100.00				
Roofing	1st	\$284,498.00	1.08%	\$0.00	0.00				
Firestopping	1st	\$4,991.00	0.02%	\$0.00	0.00				
Waterproofing (Potentially BP#2)	1st	\$62,637.00	0.24%	\$62,637.00	100.00				
Joint Sealants	1st	\$37,433.00	0.14%	\$37,433.00	100.00				
Metal Panels	1st	\$218,170.00	0.83%	\$0.00	0.00				
Doors, Frames, Hardware Supply	1st	\$76,794.00	0.29%	\$0.00	0.00				
Doors, Frames, Hardware Installation	2nd	\$15,733.00	0.06%	\$15,733.00	100.00				
	1st	\$3,000.00	0.01%	\$0.00	0.00				
,			0.08%	\$0.00	0.00				
Side Folding Doors	1st	\$22,151.00							
Side Folding Doors Kalwall Skylight	1st	\$17,325.00	0.07%	\$0.00	0.00				
Side Folding Doors Kalwall Skylight Glazing	1st 1st	\$17,325.00 \$1,411,623.00	0.07% 5.38%	\$0.00 \$0.00	0.00 0.00				
Access Door Supply Side Folding Doors Kalwall Skylight Glazing Framing / Drywall / Plaster Floor Finishes-Tile	1st	\$17,325.00	0.07%	\$0.00	0.00				

Floor Finishes-Resilient & Carpet	1st	\$69,658.00	0.27%	\$34,829.00	50.00%
Floor Finishes-Wood Flooring	1st	\$98,845.00	0.38%	\$0.00	0.00%
Floor Finishes-Resilient Athletic Flooring	1st	\$115,073.00	0.44%	\$0.00	0.00%
Floor Finishes-Stained Concrete	1st	\$33,457.00	0.13%	\$0.00	0.00%
Ceilings / Wall Panels	1st	\$47,568.00	0.18%	\$47,568.00	100.00%
Paint	1st	\$236,543.00	0.90%	\$236,543.00	100.00%
Specialties-Toilet Partitions	1st	\$31,050.00	0.12%	\$0.00	0.00%
Specialties-Toilet Accessories	1st	\$26,289.00	0.10%	\$0.00	0.00%
Specialties-Flagpoles	1st	\$3,843.00	0.01%	\$0.00	0.00%
Specialties-Interior Identifying Devices	1st	\$55,000.00	0.21%	\$55,000.00	100.00%
Specialties-Traffic Signage	1st	\$35,500.00	0.14%	\$35,500.00	100.00%
Specialties-Lockers	1st	\$72,600.00	0.28%	\$0.00	0.00%
Specialties-Fire Protection Specialties	1st	\$2,981.00	0.01%	\$0.00	0.00%
Specialties-Operable Wall	1st	\$37,512.00	0.14%	\$0.00	0.00%
Specialties-TV Brackets	1st	\$8,584.00	0.03%	\$0.00	0.00%
Specialties-Corner Guards	1st	\$720.00	0.00%	\$0.00	0.00%
Equipment-Residential Equipment (Appliances)	1st	\$3,507.00	0.01%	\$0.00	0.00%
Equipment-Projection Screens	1st	\$2,388.00	0.01%	\$0.00	0.00%
Equipment-Athletic Equipment	1st	\$87,080.00	0.33%	\$0.00	0.00%
Furnishings-Window Treatments	1st	\$114,835.00	0.44%	\$114,835.00	100.00%
Furnishings-Entrance Mats	1st	\$700.00	0.00%	\$0.00	0.00%
Elevator	1st	\$126,639.00	0.48%	\$0.00	0.00%
Fire Suppression	1st	\$300,374.00	1.14%	\$0.00	0.00%
Plumbing & HVAC	2nd	\$3,515,780.00	13.40%	\$70,315.60	2.00%
Electrical, Fire Alarm & Low Voltage					
Sytems	2nd	\$2,120,327.00	8.08%	\$63,609.81	3.00%
Asphalt Paving	1st	\$154,841.00	0.59%	\$0.00	0.00%
Striping	1st	\$2,783.00	0.01%	\$0.00	0.00%
Concrete Paving	1st	\$318,883.00	1.22%	\$159,441.50	50.00%
Crushed Stone Paving	1st	\$28,289.00	0.11%	\$0.00	0.00%
Fencing	1st	\$21,021.00	0.08%	\$21,021.00	100.00%
Site Furnishings	1st	\$87,699.00	0.33%	\$0.00	0.00%
Landscaping	1st	\$172,800.00	0.66%	\$172,800.00	100.00%
Phase II Bid Packages Subtotal		\$15,649,076.00		\$3,443,191.74	22.00%
Total Subcontracting Opportunities		\$21,726,405.00		\$4,787,992.26	22.04%
General Conditions, Payment & Performance Bonds, Insurances, Escalation Allowances, Contingencies &					
Fee not available as subcontracting opportunities		\$4,508,118.00		\$0.00	0.00%
Total Contract Amount		\$26,234,523.00		\$4,787,992.26	

GOALS SCHEDULE CHART #2										
AVAILABLE SUB-TRADE	APPROXIMATE DOLLAR AMOUNT	PERCENTAGE OF TOTAL PROJECT	ASSIGNED M/WBE GOAL PER SECTION	ANTICIPATED RESULTING M/WBE PARTICIPATION						
Phase I Bid Packages:										
Surveying	\$40,120.00	0.15%	0.00%	\$0.00						
Erosion and Sedimentation Controls	\$110,135.00	0.42%	0.00%	\$0.00						
Earthwork	\$470,670.00	1.79%	0.00%	\$0.00						
Utilities	\$755,534.00	2.88%	0.00%	\$0.00						
Shoring	\$53,172.00	0.20%	0.00%	\$0.00						
Dewatering	\$34,330.00	0.13%	0.00%	\$0.00						
Drilled Piers	\$440,672.00	1.68%	25.00%	\$110,168.00						
Concrete Forming Walls	\$876,678.00	3.34%	56.00%	\$490,939.68						
Reinforcing & WWF Supply	\$126,001.00	0.48%	0.00%	\$0.00						
Reinforcing & WWF Installation	\$59,345.00	0.23%	100.00%	\$59,345.00						
Swimming Pool Package	\$3,110,672.00	11.86%	22.00%	\$684,347.84						
PDU	\$500,000.00	1.91%	0.00%	\$0.00						
Phase I Bid Packages Subtotal	\$6,577,329.00		22.13%	\$1,344,800.52						
Phase II Bid Packages:										
General Requirements-Final Cleaning of Exterior Site	\$3,425.00	0.01%	100.00%	\$3,425.00						
General Requirements-Large Crane	\$165,994.00	0.63%	0.00%	\$0.00						
General Requirements-Traffic Control & Barricades, LEED Recycling Signage, Temp. Lighting & Temp Heating	\$168,865.00	0.64%	25.00%	\$42,216.25						
General Requirements-Misc. Drawing Reproductions	\$4,000.00	0.02%	0.00%	\$0.00						
Concrete Flatwork Slabs	\$447,471.00	1.71%	50.00%	\$223,735.50						
Steel	\$2,299,764.00	8.77%	22.00%	\$505,948.08						
Masonry	\$1,255,162.00	4.78%	75.00%	\$941,371.50						
Millwork	\$124,414.00	0.47%	0.00%	\$0.00						
Fiberglass Reinforced Plastic Panels	\$896.00	0.00%	0.00%	\$0.00						
Insulation	\$106,898.00	0.41%	100.00%	\$106,898.00						
Roofing	\$284,498.00	1.08%	0.00%	\$0.00						
Firestopping	\$4,991.00	0.02%	0.00%	\$0.00						
Waterproofing (Potentially BP#2)	\$62,637.00	0.24%	100.00%	\$62,637.00						
Joint Sealants	\$37,433.00	0.14%	100.00%	\$37,433.00						
Metal Panels	\$218,170.00	0.83%	0.00%	\$0.00						
Doors, Frames, Hardware Supply	\$76,794.00	0.29%	0.00%	\$0.00						
Doors, Frames, Hardware Installation	\$15,733.00	0.06%	100.00%	\$15,733.00						
Access Door Supply	\$3,000.00	0.01%	0.00%	\$0.00						
Side Folding Doors	\$22,151.00	0.08%	0.00%	\$0.00						
Kalwall Skylight	\$17,325.00	0.07%	0.00%	\$0.00						
Glazing	\$1,411,623.00	5.38%	0.00%	\$0.00						
Framing / Drywall / Plaster	\$708,675.00	2.70%	50.00%	\$354,337.50						
Floor Finishes-Tile	\$275,988.00	1.05%	50.00%	\$137,994.00						
Floor Finishes-Resilient & Carpet	\$69,658.00	0.27%	50.00%	\$34,829.00						
Floor Finishes-Wood Flooring	\$98,845.00	0.38%	0.00%	\$0.00						
Floor Finishes-Resilient Athletic Flooring	\$115,073.00	0.44%	0.00%	\$0.00						
Floor Finishes-Stained Concrete	\$33,457.00	0.13%	0.00%	\$0.00						
Ceilings / Wall Panels	\$47,568.00	0.18%	100.00%	\$47,568.00						
Paint	\$236,543.00	0.90%	100.00%	\$236,543.00						

Specialties-Toilet Partitions	\$31,050.00	0.12%	0.00%	\$0.0
Specialties-Toilet Accessories	\$26,289.00	0.10%	0.00%	\$0.0
Specialties-Flagpoles	\$3,843.00	0.01%	0.00%	\$0.0
Specialties-Interior Identifying Devices	\$55,000.00	0.21%	100.00%	\$55,000.0
Specialties-Traffic Signage	\$35,500.00	0.14%	100.00%	\$35,500.0
Specialties-Lockers	\$72,600.00	0.28%	0.00%	\$0.00
Specialties-Fire Protection Specialties	\$2,981.00	0.01%	0.00%	\$0.00
Specialties-Operable Wall	\$37,512.00	0.14%	0.00%	\$0.00
Specialties-TV Brackets	\$8,584.00	0.03%	0.00%	\$0.00
Specialties-Corner Guards Equipment-Residential Equipment	\$720.00	0.00%	0.00%	\$0.00
(Appliances)	\$3,507.00	0.01%	0.00%	\$0.00
Equipment-Projection Screens	\$2,388.00	0.01%	0.00%	\$0.00
Equipment-Athletic Equipment	\$87,080.00	0.33%	0.00%	\$0.00
Furnishings-Window Treatments	\$114,835.00	0.44%	100.00%	\$114,835.00
Furnishings-Entrance Mats	\$700.00	0.00%	0.00%	\$0.00
Elevator	\$126,639.00	0.48%	0.00%	\$0.00
Fire Suppression	\$300,374.00	1.14%	0.00%	\$0.00
Plumbing & HVAC	\$3,515,780.00	13.40%	2.00%	\$70,315.6
Electrical, Fire Alarm & Low Voltage Systems	\$2,120,327.00	8.08%	3.00%	\$63,609.8
Asphalt Paving	\$154,841.00	0.59%	0.00%	\$0.00
Striping	\$2,783.00	0.01%	0.00%	\$0.00
Concrete Paving	\$318,883.00	1.22%	50.00%	\$159,441.50
Crushed Stone Paving	\$28,289.00	0.11%	0.00%	\$0.00
Fencing	\$21,021.00	0.08%	100.00%	\$21,021.0
Site Furnishings	\$87,699.00	0.33%	0.00%	\$0.00
Landscaping	\$172,800.00	0.66%	100.00%	\$172,800.00
Phase II Bid Packages Subtotal	\$15,649,076.00		22.00%	\$976,633.9
Total Subcontracting Opportunities	\$21,726,405.00		22.04%	\$4,787,992.2
-			22.04%	
Bonds, Insurances, Escalation Allowances, Contingencies & Fee not available as subcontracting opportunities	\$4,508,118.00			\$0

- B. These packages will be reviewed and refined as the work for the Contract is further defined and ready for the process of subcontracting. Specifically, prior to advertising any package of work for bids or proposals, the Contractor will review the work in detail, to determine the types of work that can be performed by M/WBE firms, with reference to the DSBO's database and directory of certified M/WBE firms, and will adjust its subcontracting packages to maximize opportunities for M/WBE participation in such subcontracting, within economically feasible packages.
- C. The Contractor has the following preliminary schedule for issuance of each bid package:

Package 1-Civil, site utilities, drilled piers, shallow foundations, pool dehumidification unit and aquatics package to be issued for bid on 03/27/15. Package 2-Balance of project to be issued around mid August 2015.]

D. [Identify any specific issues or potential issues with the contract's scope of work and how the Contractor will address them – specialized work items, etc.: There are several very specialized scopes within this project that may have limited M/WBE resources available to perform this work These could include the following:

Environmental consultant and dewatering specialists to assist with existing site soil contamination & groundwater contamination issues

Aquatics subcontractor including sub-tier items such as the slide]

This project will be solicited in a single bid package for each component of the work within the two phases requested by the City. The subcontractors will be encouraged to bid on all CSI Sections of work which they typically perform. Upon submission of a proposal for a bid package within each of the two phases of work, A&P will review that the bid is the best combination of cost, scope and M/WBE participation.

At the conclusion of the bid period and once all proposals are reviewed and tabulated, A&P will submit a participation schedule to the DSBO office for review and approval prior to issuing any contracts.

We propose that the Construction Packages will be broken down into the work categories identified in the attached Goals Schedule Chart Attachment A. This list also includes the scopes of work where A&P believes it may be possible to award portions of the project to M/WBE firms.

We will put forth our best faith effort to achieve the project goals of 22% through the 1<sup>st</sup> tier subcontractors and by 2<sup>nd</sup> tier subcontractors and/or vendors working through them. We will work closely to solicit and buy out all the subs in a way to match up the 2<sup>nd</sup> tier subcontractors with the 1<sup>st</sup> tier subcontractors where possible in the most economical way to achieve the goals. These dollar amounts will be identified through the use of signed Contracts. It is A&P's policy to use Subcontract Agreement forms rather than Letters of Intent. Subcontracts will be issued to subcontractors after a pre-award meeting with the subcontractor and Adolfson & Peterson Construction's superintendent, Senior Project Manager and Pre-construction Manager with the proposed successful subcontractors.

Adolfson & Peterson Construction has a comprehensive pre-qualification process that includes standard company information as well as references for similar projects, current

workload on hand and current financial stability. Both Cole Mayer and our Regional Controller, Mark LaBere, are listed as contacts on the pre-qualification form as references for any questions pertaining to the form and the information requested. See attached pre-qualification form as Attachment B.

- E. [State whether the Contractor will prequalify any subcontractors. If prequalification will be used, identify all subcontracts for which the Contractor will prequalify subcontractors, and explain the prequalification process that will be used. All subcontractors on the project will be pre-qualified prior to issuance of a subcontract to the firm. All reasonable attempts will be made to solicit pre-qualification forms from interested bidders prior to these firms submitting bids, but A&P will accept bids from firms that have not been pre-qualified and request that the sample attached pre-qualification form be filled out immediately upon receipt of their bids prior to using information from the bids in assembling the CMGC's GMP estimate.]
- F. The Contractor may pursue different percentage goals for M/WBE participation in each separate package of work put out for bids, based on the types of work and availability of certified M/WBE firms. However, the Contractor is committed to the overall goal of [22%] M/WBE participation in the total construction work amount.
- G. The Contractor may consider, in order to maximize M/WBE participation, subcontracting the following types of work which it might ordinarily self-perform:

Surveying
Concrete Forming Walls
Concrete Flatwork Slabs
Rough Carpentry
Doors, Frames, Hardware
Erosion and Sedimentation Controls
Dewatering

# SECTION 4: COMMUNITY OUTREACH EFFORTS AND ADVERTISING TO M/WBE CERTIFIED FIRMS:

The Contractor will conduct the following outreach efforts:

- A. Contractor will use the City's M/WBE directory and encourage all non-M/WBE subcontractors to use the directory when soliciting any of their own subcontractors or suppliers for the project.
- B. If during outreach efforts, Contractor locates a firm which appears to be eligible for City M/WBE certification but is not so certified, Contractor will direct the firm to DSBO and encourage the firm to pursue certification if eligible.
- C. When it has work packages ready for subcontracting, the Contractor will publish notices in The Daily Journal and other local publications and websites, identifying the

subcontracting opportunities and specifically soliciting City-certified M/WBE participation. The Contractor will also provide notice of all such solicitations to relevant organizations such as, but not limited to:

The Rocky Mountain Minority Supplier Development Council, The Hispanic Contractors of Colorado, The Colorado Women's Chamber of Commerce. Denver Urban Spectrum The Daily Journal

Notices will be published or provided no less than 10 calendar days before bids are due on the work.

- D. Contractor will conduct at least one pre-bid meeting, as announced in published notices, which all interested subcontractors and suppliers may attend, at which the Contractor will present information and answer questions about the work.
- E. [Identify any additional efforts or initiatives the Contractor will carry out.:

We will provide adequate notice and opportunity to potential M/WBE firms to bid all portions of the project for which they typically perform on those portions of work which they are pre-qualified to bid.

We will achieve the community outreach through the following methods:

- 1) Utilizing the City and County of Denver's M/WBE directory to identify certified M/WBE firms that may contribute to the participation goal.
- 2) Identifying opportunities for second tier M/WBE opportunities to bid to first tier subcontractors
- 3) Allowing all scopes of work to be bid to permit maximum M/WBE participation. Contacting M/WBE firms through published notices, phone, fax and/or email and through notification on iSOFT.
- 4) Targeting specific M/WBE firms with specific scopes for work and directly soliciting their bids
- 5) Provide technical assistance with the contract documents, plans and specifications as well as any documents distributed for free through on-line subcontractor solicitation iSqFt and Adolfson & Peterson Construction's internal Bid Docs site available on our website. Hard copy plans will be distributed to those subcontractors requesting them. Plans will be available for pick-up at Adolfson & Peterson Constructions's main office. The plans will be provided at no cost to the subcontractors and vendors.
- 6) Assist M/WBE subcontractors and vendors with our prequalification process
- 7) Promoting suitable contractual arrangements that offer special opportunities for M/WBE firms to participate
- 8) Requiring that non-M/WBE firms solicit bids from M/WBE suppliers, vendors and second tier subs
- 9) Attend minority trade association meetings that are scheduled between now and when bids are going to be solicited. These could include any of the following if the time of their meetings permits the opportunity:
  - a. Hispanic Contractors of Colorado Next meeting is TBD
  - b. Rocky Mountain Minority Contractors Association Next meeting is TBD

- c. Other organizations as recommended by DSBO's representatives.
- 10) Assist first tier non M/WBE subcontractors get in contact with appropriate second tier M/WBE firms. We intend to make available the list of solicited M/WBE firms to all subcontractors and vendors upon request.
- F. [Describe the bid/proposal process that will be used: Adolfson & Peterson Construction has outlined the bid/proposal process that will be utilized under Section 3, Article C & D, Section 4, Article C,D & E and under the description of our Pre-construction Manager's role in Section 2.]
- G. The Contractor will send to each bidder/proposer, a Notice of Selection for each subcontract for which it solicited M/WBE participation, no later than 30 days after it has entered into the subcontract, so that unsuccessful bidders/proposers are aware of the result of the bid/proposal process.

### SECTION 5: M/WBE PARTICIPATION; MAINTAINING COMMITMENTS

- A. When issuing each work package for bid under the Contract, the Contractor will make a good faith effort to meet or exceed the goal percentage of M/WBE participation which it has identified for that package. The minimum level of these efforts is specified in § 28-62(b), D.R.M.C. and Rule VII(B). They may include, but will not be limited to, the outreach activities identified in Section 4 above.
- B. When requested by DSBO, the Contractor will submit bid packages to DSBO for review and comment. When requested by DSBO, the Contractor will submit bid tabulation sheets to DSBO for review.
- C. The Contractor will report to DSBO the total M/WBE participation obtained for each bid package. No later than 5 days after issuing Notice to Proceed for such work, the Contractor will submit to DSBO, for each M/WBE subcontractor or supplier with whom it contracts, a Letter of Intent and other documentation, in accordance with Section 6 below. {A&P will issue Subcontracts rather than Letters of Intent.}
- D. The Contractor will document its efforts to obtain M/WBE participation for each work package, and submit such documentation to DSBO upon request by DSBO at any time. The Contractor acknowledges that it may meet or exceed a percentage goal for M/WBE participation on one or more work packages, but fall short of meeting the participation goal for the total construction contract amount. Therefore the Contractor must be able to demonstrate its good faith effort, consistent with § 28-62(b), D.R.M.C., to obtain M/WBE participation for each bid package under the contract, except for bid packages which are subject to a "modified good faith effort" under § 28-75(c), D.R.M.C., in which case the Contractor must be able to demonstrate its compliance with the requirements of § 28-75(c), D.R.M.C. Sections 28-62(b) and 28-75(c), D.R.M.C., are attached to this Compliance Plan as Attachment 1, for convenient reference.
- E. The M/WBE participation percentage will be calculated by dividing the total value of the M/WBE participation by the total contract amount for the project, including all change orders. The Contractor will count M/WBE participation according to the M/WBE Ordinance, including § 28-63, D.R.M.C., and Rule VII(C).

- F. As required by D.R.M.C. § 28-73, the Contractor shall immediately inform the DSBO in writing of any agreed-upon increase or decrease in the scope of work of the Contract, regardless of whether it has been reduced to writing at the time of notification. Any increase in the scope of work which increases the dollar value of the contract, whether or not such change is within the scope of work designated for performance by an MBE or WBE under any subcontract, shall be contemporaneously submitted to the DSBO. Those changes to the scope of work that cannot be performed by existing project participants (the Contractor, subcontractors, suppliers, etc.) shall be subject to a goal for MBEs and WBEs equal to the original committed goal. The Contractor shall satisfy the goal for the changed scope of work by soliciting new MBEs or WBEs in accordance with § 28-60, D.R.M.C, and it must show each element of modified good faith that is stated in § 28-75(c), D.R.M.C. The Contractor shall provide to the Director the documentation described in § 28-75(c) with respect to the increased dollar value of the contract.
- G. The Contractor will comply with the provisions of § 28-75 as to the replacement of a WBE or MBE on the Project.
- H. The Contractor acknowledges that it has a continuing duty, under D.R.M.C. §§ 28-72, 28-73, and 28-75, to maintain, throughout the duration of the contract, compliance with the level of MBE and WBE participation committed to under any approved compliance plan, and that such commitment is a material condition of the Contract.

#### SECTION 6: COMPLIANCE DOCUMENTS AND REPORTING

- A. The Contractor will submit the following documentation, properly completed and submitted monthly or when otherwise required by DSBO.
  - 1. Prime contractor background information form\*
  - 2. DSBO Schedule of Work form\*
  - 3. Subcontractor background information form for all subcontractors\*
  - 4. M/WBE Letters of Intent {A&P does not use Letters of Intent; actual Subcontracts will be issued.}
  - 5. Monthly contractor's certification of payment forms (participation report)
  - 6. DSBO change order forms
  - 7. M/WBE final lien release forms
  - 8. B2G online payment verification

(\*due at NTP + 5 days; revisions as required)

- B. The Contractor will document its progress in seeking and obtaining M/WBE participation as required by DSBO. Records of the Contractor's efforts to solicit M/WBE subcontractor and supplier participation, will be maintained and reported monthly to DSBO, or as otherwise required, including:
  - 1. Dates of solicitation
  - 2. Names, addresses and telephone numbers of all M/WBE firms contacted.
  - 3. Description of efforts made to contact M/WBE firms.
  - 4. Description of information provided to M/WBE firms.
  - 5. Description of the process and outcome.
  - 6. Advertisements soliciting bids from M/WBE firms in local community publications or construction industry related publications.
  - 7. Schedules of pre-bid meetings to inform M/WBE and non-M/WBE subcontractors and suppliers of opportunities to participate.
  - 8. Evidence that the Contractor provided M/WBE subcontractors and suppliers necessary access to and adequate time to review all project documents.
  - 9. All other documentation required to establish the Contractor's compliance with the good faith efforts required by City ordinance, specifically the items enumerated in subsections 28-62(b)(2) through 28-62(b)(10). D.R.M.C.
- C. The participation will be accounted for as follows:
  - 1. M/WBE acting as a subcontractor at any tier level by count for 100% of the work they perform including the supplies used in the performance of that work
  - 2. M/WBE joint venture partnerships at any tier level will be evaluated on a case-by-case basis and DSBO will determine that dollar amount participation that can be counted toward the overall M/WBE project goal of 22%
  - 3. M/WBE suppliers at any tier will count 60% of the total amount of the costs of the supply as this project is over the \$5,000,000 threshold
  - 4. M/WBE firms certified as Manufacturer's Representatives and Brokers at any tier level may only count for the commissions or fees earned for providing a product or material and cannot count any of the cost of the product they provide
  - 5. M/WBE trucking firms can be utilized as both subcontractors and brokers of material / aggregate if they are certified with DSBO in that manner

#### SECTION 7: PLAN ADMINISTRATION; MONITORING; CLOSEOUT

- A. DSBO shall have prompt, full and complete access to all Contractor and subcontractor personnel, books and records required to monitor and assure performance of this Compliance Plan.
- B. The Contractor's personnel identified in Section 2 above, will be responsible for administering and monitoring the Contractor's performance of this Compliance Plan.
- C. Actual M/WBE participation will be calculated in accordance with the M/WBE Ordinance, including § 28-63, D.R.M.C., and applicable Rules. The Contractor will submit to DSBO a monthly tracking report demonstrating the M/WBE participation that has been achieved.

D. The following milestones for review and reconciliation of M/WBE participation will be observed during the contract:

- 1. July 2015 confirmation of all M/WBE subs that are to be used for the Phase I work that commences in mid August.
- 2. November 2015 confirmation of all M/WBE subs that are to be used for the Phase I work that commences in mid December.
- 3. July 2016 Perform an annual update and reconciliation of all figures including any Prime Contract Change Order adjustments to the City & County of Denver contract with Adolfson & Peterson Construction and any subcontract Change Orders that have been issued to any of the M/WBE firms
- 4. April 2017 Make a final reconciliation of all figures including any Prime Contract Change Order adjustments to the City & County of Denver contract with Adolfson & Peterson Construction and any subcontract Change Orders that have been issued to any of the M/WBE firms.
- E. The Contractor acknowledges that the City may impose monetary penalties and/or withhold payment in the event of Contractor's non-compliance with the M/WBE Ordinance and this Compliance Plan.
- F. The Contractor will use the following methodology for final reconciliation of M/WBE participation performance achieved during the Contract term, measured against the established project goal. The Contractor will present copies of all signed DSBO Final Lien Release forms for MWBE firms utilized for participation on the Contract. DSBO will compare the Final Monthly Participation Report submitted by the Contractor to determine if the Final Lien Release dollar figures match what is contained within the Final Monthly Participation Report. Final Compliance shall be achieved when the Contractor establishes to the Director's satisfaction, that it has remitted payments to M/WBE firms utilized on the Project; that it utilized M/WBE firms in accordance with each such firm's Letter of Intent {A&P will issue Subcontracts rather than Letters of Intent.}; and that the amount of payments to M/WBE firms equals or exceeds the assigned M/WBE goal for the total amount of the Contract. Failure to achieve final compliance may subject the Contractor to sanctions, in accordance with D.R.M.C, Section 28-77. As provided in such ordinance, sanctions may include, but are not limited to, assessment by the Director of a monetary penalty against the Contractor in an amount not more than 150% of the contract amount for each MBE or WBE involved. Any such monetary penalty leveled by the Director shall be withheld from the final payment due to the Contractor, and any amount that remains due and owing to the City may be collected pursuant to D.R.M.C., Section 28-
  - 77. The Contractor may seek review of any such determination by the Director to levy sanctions through the dispute resolution process set forth in the Construction Contract.

### SECTION 8: NON-COMPLIANCE; SANCTIONS; REMEDIATION PLAN

- A. At all times, DSBO shall monitor the Contractor's compliance with this Plan and the M/WBE Ordinance and Rules. The Contractor shall fully cooperate with DSBO's compliance monitoring and auditing efforts, including DSBO's investigation of any alleged or suspected non-compliance by the Contractor.
- B. If the Director has reason to believe that the Contractor is not in compliance with this Plan

or with the M/WBE Ordinance, the Director shall give the Contractor written notice of non-compliance, citing the reasons why the Contractor is not in compliance, and giving the Contractor thirty (30) days in which to submit a remediation plan for the Director's review and acceptance. The remediation plan shall demonstrate how the Contractor will cure such non-compliance, and if such non-compliance consists of failure to obtain or maintain M/WBE participation at the committed level, that the Contractor's M/WBE participation level will again achieve the committed level, and that the Contractor will ultimately achieve the committed participation goal for the contract.

- C. The Contractor shall, within such thirty (30) day period, deliver to the Director a written remediation plan the Director's review and approval.
- D. The Director may issue a written determination of non-compliance and the sanction which the Director has elected to impose as a consequence:
  - (1) If the Contractor does not respond within the time allowed; or
  - (2) If the Contractor fails to submit a satisfactory remediation plan; or
  - (3) If a Contractor submits an acceptable remediation plan but thereafter fails to comply with the plan.
- E. The Contractor may contest a determination issued under Section 8(D), by requesting a hearing within 30 days after the date of such determination, as provided in § 28-33, D.R.M.C.

#### **SECTION 9: MEDIATION**

The Contractor will provide a process to resolve disputes that occur between a MBE or WBE and any non-M/WBE subcontractors or suppliers under the Contract. The Contractor will document such disputes and inform DSBO of the steps the Contractor plans to take to resolve the dispute. The Contractor may ask DSBO to assist in the resolution process it has developed. The Contractor will document and notify DSBO if those disputes have been resolved and inform DSBO of any disputes it was unable to resolve. DSBO will notify the Contractor of any complaints received by DSBO from M/WBE firms regarding a dispute they are experiencing with either a subcontractor or the Contractor.

Adolfson & Peterson Construction will endeavor to resolve each dispute as it arises on a case by case basis, subject to contract requirements. All disputes will be documented and reported to the DSBO and shall include a resolution plan. If necessary, Adolfson & Peterson Construction will request assistance with the resolution process from the DSBO. Adolfson & Peterson Construction contract requires all disputes to first be addressed directly through Adolfson & Peterson Construction. We will notify the DSBO of the dispute immediately. Once resolved, the appropriate documentation will be issued to the DSBO. If the dispute is unresolved, the DSBO will be notified as such. DSBO will notify Adolfson & Peterson Construction if it learns of any disputes on the project.

IN WITNESS WHEREOF, Contractor has executed and agrees to abide by the terms of this Compliance Plan as of the 6th day of April, 2015.

Contractor: AP Mountain States, LLC d.b.a. Adolfson & Peterson Construction

By: Tom C. Bailey, P.E., LEED AP

Lom (. Balley)

Its: Senior Project Manager

#### **ATTACHMENT 1**

### EXCERPTS FROM DENVER REVISED MUNICIPAL CODE

Sections 28-62(b) and 28-75(c), D.R.M.C

#### Sec. 28-62. Same--Good faith efforts.

- (b) The statement of good faith efforts shall include a specific response and verification with respect to each of the following good faith effort categories, which may be further defined by rule or regulation. A bidder or proposer may include any additional information it believes may be relevant. Failure of a bidder or proposer to show good faith efforts as to any one (1) of the following categories shall render its overall good faith effort showing insufficient and its bid or proposal non-responsive:
  - (1) If prebid or preselection meetings are scheduled by the city at which MBEs and WBEs may be informed of subcontracting or joint venture opportunities under a proposed contract to be bid, or procured pursuant to the competitive selection process ,attendance at such prebid or preselection meetings is not mandatory; however, bidders and proposers are responsible for the information provided at these meetings.
  - The bidder or proposer must solicit through all reasonable and available means, the interest of all MBEs and WBEs certified in the scopes of work of the contract. The bidder or proposer must solicit the interest of such MBEs and WBEs within sufficient time, prior to the bid opening or date of final project-specific proposal in the case of a competitive selection process, to allow such MBEs and WBEs to respond to the solicitation. The bidder or proposer must determine with certainty if the MBEs and WBEs are interested by demonstrating appropriate steps to follow up initial solicitations.
  - The bidder or proposer must select portions of the work of the contract to be (3) performed by MBEs and WBEs in order to increase the likelihood that the project goal will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MBE and WBE participation as subcontractors or joint venturers, and for bidder or proposer self-performed work, as suppliers, manufacturers, manufacturer's representatives and brokers, all reasonably consistent with industry practice, even when the bidder or proposer would otherwise prefer to perform these work items with its own forces. The bidder or proposer must identify what portions of the contract will be self-performed and what portions of the contract will be opened to solicitation of bids, proposals and quotes from MBE and WBEs. All portions of the contract not self-performed must be solicited for MBE and WBE participation. The ability or desire of a bidder or proposer to perform the work of a contract with its own forces does not relieve the bidder or proposer of the responsibility to meet the project goal or demonstrate good faith efforts to do so.
  - (4) The bidder or proposer, consistent with industry practice, must provide MBEs and WBEs at a clearly stated location with timely, adequate access to and information about the plans, specifications, and requirements of the contract, including bonding and insurance requirements, if any, to assist them in responding to a solicitation.

- (5) The bidder or proposer must negotiate in good faith with interested MBEs and WBEs and provide written documentation of such negotiation with each such MBE or WBE.
- (6) For each MBE or WBE which contacted the bidder or proposer or which the bidder or proposer contacted or attempted to subcontract or joint venture with, consistent with industry practice, the bidder or proposer must supply a statement giving the reasons why the bidder or proposer and the MBE or WBE did not succeed in negotiating a subcontracting, supplier, manufacturer, manufacturer's representative, broker or joint venture agreement, as applicable.
- (7) The bidder or proposer must provide verification that it rejected each non-utilized MBE and WBE because the MBE or WBE did not submit the lowest bid or it was not qualified. Such verification shall include a verified statement of the amounts of all bids received from potential or utilized subcontractors, manufacturers, manufacturer's representatives, brokers or joint venturers on the contract, whether or not they are MBEs or WBEs. In making such a determination of not being qualified, the bidder or proposer shall be guided by the definition of qualified in section 28-54(42), but evidence of lack of qualification must be based on factors other than solely the amount of the MBE's or WBE's bid. For each MBE or WBE found not to be qualified by the bidder or proposer, the verification shall include a statement giving the bidder's or proposer's reasons for its conclusion. A bidder's or proposer's industry standing or group memberships may not be the cause of rejection of an MBE or WBE. A bidder or proposer may not reject an MBE or WBE as being unqualified without sound reasons based on a reasonably thorough investigation and assessment of the MBE's or WBE's capabilities and expertise.
- (8) If requested by a solicited MBE or WBE, the bidder or proposer must make reasonable efforts to assist interested MBEs and WBEs in obtaining bonding, lines of credit, or insurance as required by the city or by the bidder or proposer, provided that the bidder or proposer need not provide financial assistance toward this effort.
- (9) If requested by a solicited MBE or WBE, the bidder or proposer must make reasonable efforts to assist interested MBEs and WBEs in obtaining necessary and competitively priced equipment, supplies, materials, or related assistance or services for performance under the contract, provided that the bidder or proposer need not provide financial assistance toward this effort.
- (10) The bidder or proposer must use the DSBO MBE/WBE directories to identify, recruit, and place MBEs and WBEs.

#### Sec. 28-75. Potential violations during contract performance.

(c) The following modified good faith requirements shall apply to sections 28-72 and 28-73. In the event that a contractor or consultant must add or replace an MBE or WBE subcontractor, subconsultant, joint venturer, supplier, manufacturer, manufacturer's representative or broker or in the event that a new scope of work is added to the ongoing contract, and the contractor or consultant in such event is in non-compliance with maintenance of the original project goal upon which the contract was awarded, due to failure to utilize additional MBEs or WBEs, the following modified good faith efforts must be completed. Failure of a contractor or consultant to show good faith efforts as to any one (1) of the following categories shall render its overall good faith efforts showing insufficient; and its contract performance in non-compliance with this division 3.

- (1) Verification in writing to the DSBO of the contractor's or consultant's intention to terminate or replace an MBE or WBE originally identified for participation in the bid, proposal or competitive selection process proposal upon which the contract was awarded. The reason for the termination or replacement must be stated and the type of work or services must be identified.
- (2) Verification that the contractor or consultant used the most current MBE and WBE directory from the DSBO in order to contact MBEs and WBEs that are certified in the applicable area of work or supply at the time of the modified good faith effort.
- (3) Verification of efforts to contact appropriate MBEs and WBEs within the same identified subcontractor, subconsultant, joint venturer, supplier, manufacturer, manufacturer's representative or broker area must be documented. Facsimile transmission, e-mail and telephone communication will be acceptable. The director may verify such contacts as he deems appropriate.
- (4)Documentation of the modified good faith efforts must be submitted to the DSBO prior to the payment to the contractor or consultant of the next progress or other partial payment or fund release under the contract.



### **Subcontractor Pre-Qualification Worksheet**

Subcontractor prequalification is an integral part of our risk management program and a prerequisite for working with Adolfson & Peterson Construction. Please complete the enclosed subcontractor prequalification questionnaire to help us better understand your operational capabilities, safety record, and liquidity. With the information provided, we establish an aggregate contractual threshold limit and update our estimating database for consideration on future projects.

As part of this submission, we require a recent balance sheet showing your current assets, current liabilities, and equity to calculate your aggregate contractual threshold limit. All subcontractor prequalification questionnaires and balance sheets are held in strict confidence and are only reviewed by our regional controller.

COMP	PANY INFORMATION		
a.	Company Legal Name		
b.	Subsidiaries and divisions:		
C.	Address		
	City:	State:	Zip:
d.	Phone:	Fax:	
e.	Website:		
f.	Description of trade/product provided:		
g.	Federal Employer ID #:		
h.	Contractors License Number:	State:	Classification:
i.	States and/or Service Region where your fi	irm is willing to do business:	
j.	Company type:   Corporation	Partne	rship 🔲 LLC
	☐ Wholly-owned Sub	osidiary	roprietor
k.	Parent Company Name (if applicable):		
l.	Year founded:	Fiscal year endir	ng:
m.	☐ Non-Union ☐ Union N	Name of union:	
n.	Average number of employees: Of	fice:	Field:
0.	Officers and Owners (list all officers and all	owners with greater than 10	0% ownership):
	Name	Title	Ownership %
		<del>_</del>	
		<del></del>	
p.	Has your firm gone through an ownership of	change in the last 12 months	
۲.	□ No □ Yes	If yes, please explain	
		, cc, prodec explain	<del></del>

	Department	E-mail	Name	Phone #	Fax
	Estimating				
	Accounting				
	Warranty				
	Safety	<del></del>			
- A FF	·				
a.	TY INFORMATION  Provide your worker	's compensation ever	erience modification factors for	or the last 3 years	
u.	1 Tovide your worker	3 compensation expe	sherioe modification factors to	or the last o years	
	Currer		Last year	Two yea	ars ago
b.	<u> </u>		en sited by OSHA for a "serio		?
	□ No	☐ Yes	If yes, please explair	n: 	
C.	Provide a copy of yo	our current OSHA 300	log as an attachment to this	form.	
FINAN	ICIAL INFORMATION	N			
a.	Dun & Bradstreet		·		
b.	Historical financial ir	nformation (past three	years)		
	Year End	ding	Revenue	Ending E	Backlog
C.	Current year project	ions			
	Reven	ue (\$)			
	Currer	nt Backlog (\$)			
	Currer	nt Number of Projects	in Progress		
	Averaç	ge Contract Size			
	Larges	st Contract in past 36	months		
	Numbe	er of LEED projects co	ompleted		
d.	Provide a recent balar confidence and are on a balance sheet.	nce sheet. All subcontra ly viewed by our Region	ctor prequalification questionnair al Controller. No consideration i	res & balance sheets are les given to questionnaires	neld in stric submitted v
f.	Name of Primary Ba	nnk:			
g.	Bank Line of Credit:		Unused Po	rtion:	
h.	Are any assets pled	ged or collateralized?	☐ Yes ☐ No If	so, how much?	
i.	Auditor/Outside Acc	ountant's Name (firm	name):		
j.	Describe all lawsuits	s and judgments agair	nst your company in the last 2	2 years:	
k.	Have any of your pri	incipals or officers eve	er filed for bankruptcy either p	personally or for a busi	ness they
	associated with?	□ No		s, please explain:	
I.	•		ased Textura solution for the		
	documents and pay	ments (www.texturallo	c.com)?		es

	Surety Company (indicate if none):				
b.	Surety broker/agent Name:				
C.	Surety broker/agent Phone #:				
d.	Bonding Capacity:	Per Job		Aggregate	
e.	Bond Rate (per thousand):				
	Please provide a letter from your	surety confirming	your ca	apacity and good standing	
V. INSUF	RANCE INFORMATION				
	Adolfson & Peterson Construction re	equires the followir	ig insura	nce from its subcontractors:	
	ITS OF LIABILITY: Subcontractor will		with limit	s as specified below, or sucl	n higher limits if
imposed by C	Owner or by the Prime Contract Docur	nents.			
YPE OF INSU		ALL LI	MITS IN	THOUSANDS	
	cial General Liability				
	emises/Operations			gate (Per Project)	\$2,000
	oducts/Completed Operations		-	/OPS Aggregate	\$2,000
Co	ontractual	Persor	al & Adv	ertising Injury	\$1,000
Ind	dependent Contractors			ce/Combined	\$1,000
Bro	oad Form Property Damage	Single	Limit (Bl	/PD)	
Pe	rsonal Injury				
Ex	plosion/Collapse/Underground (XCU)				
Automobi	ile Liability				
An	y Auto or All Owned Autos	Bodily	Injury (P	er Person)	\$1,000
Hir	red Autos	Bodily	Injury (P	er Accident)	\$1,000
No	on-Owned Autos	Proper	\$1,000		
		or Combi	ned Sing	le Limit	\$1,000
l lask as lls	Liebilite Des Desiret Assessed	All Cod			<b>\$5,000</b>
Umbrella	Liability Per Project Aggregate	All Sur	contract	ors	\$5,000
Workers'	Compensation (Coverage A)	Covera	ige A -	Statutory	
	nployer's Liability (Coverage B)	Covera		\$500 (Each Accident)	
L11	iployer a Liability (Coverage D)	Oovere	ige D	\$500 (Disease – Policy Li	mit)
				\$500 (Disease – Fach En	•
				\$500 (Disease – Lacii Lii	ipioyee)
Errors and	d Omissions (when any design or pr	ofessional servic	es of an	y type is supplied)	
		Per Oo	currence	e/Claim	\$1,000
		Aggreg	ate with	3 Year Tail if Claims Made	\$1,000
a.	Do your Company's existing insurar	nce policies meet t	nese requ	uirements?	∐ Yes
	If no, please explain:				

IV.

**SURETY AND BONDING** 

b. Please provide a sample of your insurance certificate as an attachment to this form.

VI.	PERF	ORMANCE INFORMATION											
	a.	Has an owner or general contractor terminate	ed your contract for cause in the last 5 years?										
		☐ No ☐ Yes	If yes, please explain:										
	b.	Has your company failed to complete any cor	netruction contracts in the last 5 years?										
	Б.	□ No □ Yes	If yes, please explain:										
	C.	Provide as an attachment to this form, a list of	of <u>5</u> supplier or financial trade references including name, contact										
		name, and phone number.											
	d.	d. Provide as an attachment to this form, a list of major construction projects your organization ha											
		are currently in progress, giving the name of the project, owner, architect, general contractor, contract											
		amount, city/state, and completion date over	the past several years.										
VII.	MINO	RITY INFORMATION											
	a.	Please check all that apply:											
		☐ MBE (minority business)	☐ WBE (Women's Business)										
		☐ AABE (African American Business)	☐ DBE (Disadvantage Business)										
		☐ ABE (Asian American Business)	☐ SBE (Small Business)										
		☐ HBE (Hispanic Business)	☐ HUB (Historically Underutilized Business)										
		☐ NABE (Native American Business)	None of the above										
	b.	Certification status:	_										
		☐ Not applicable	☐ Public										
		Self	☐ Private										
		City: County:	_										
			(National Minority Supplier Development Council)										
	c.	Provide a copy of your Minority Certification a											
VIII.	SIGNA	ATURES OF SUBCONTRACTOR	IX. INTERNAL A&P USE ONLY										
Name:	_		Name:										
Signatu	ıre: _		Date:										
Title:	_		Approve?										
Date	-		Aggregate Limit:										
Attachn	nents ind	cluded:											
		Specialties Identification / CSI Code Listing											
		Current OSHA 300 Log (Per Section II c)											
		Balance Sheet (Reviewed or Audited, or mos	t recent internal month-end)										
		Surety Reference Letter (per Section IV)											
		Sample Insurance Certificate (per Section V)											
		Supplier or Financial Trade References (per S	Section VI c)										
		List of Completed and Active Construction Pr											
		Form W-9	,										

# ADOLFSON & PETERSON CONSTRUCTION – SPECIALTIES IDENTIFICATION – CSI CODES

	0	1 - GENERAL REQUIREMENTS		07 - THER	MAL MOISTURE PROTECTION		10	- SPECIALTIES (continued)			26 - ELECTRICAL
	01452-3	Testing & Inspecting Services		07100-0	Waterproofing		10260-0	Wall & Corner Guards		26000-1	Electrical Contractor
ੂ	01512-3	Temp Heat & Ventilation		07180-0	Traffic Coatings		10281-3	Toilet Accessories	ă	26320-0	Emergency Generator
□	01541-5	Crane Service	□	07210-0	Building Insulation	崮	10310-0	Manufactured Fireplaces	ō	26411-3	Lightning Protection
百	01541-9	Tower Cranes & Skips	□	07212-9	Spray Applied Insulation		10440-0	Fire Extinguishers	_		gg
ੂ⊟	01562-3	Traffic Barricades	□	07240-0	EIFS	Ħ	10511-3	Lockers			27 - COMMUNICATIONS
□	01712-3	Survevina	ੂ	07310-0	Shingles		10550-0	Postal Specialties		27100-0	Technology Contractor
□		Final Cleaning	□	07311-3	Shingle Roofing Supply	□	10561-3	Storage Shelves	ō	27200-0	Communication & Data Equipment
_		·	□	07420-0	Metal Wall Panels	Ħ	10711-3	Exterior Sun Control Devices		27511-9	Sound Masking Equipment
		02 - EXISTING CONDITIONS		07460-0	Siding		10731-3	Awnings & Canopies	_		
	02260-0	Haz-Mat Surveys & Analysis		07500-0	Membrane Roofing		10750-0	Flagpoles		28 - EL	ECTRONIC SAFETY & SECURITY
□	02300-0	Subsurface Investigation		07510-0	Built Up Bituminous Roofing			- SI		28000-5	Electronic Security Subcontractor
□	02411-3	Selective Site Demolition		07610-0	Sheet Metal Roofing			11 - EQUIPMENT	_		,
□	02411-9	Selective Building Demolition		07810-0	Applied Fireproofing		11110-0	Vehicle Service Equipment			31 - EARTHWORK
	02431-6	Structure Raising (Total Demolition)		07840-0	Fire Stopping		11120-0	Parking Control Equipment		31000-0	Earthwork
	02610-0	Hazardous Waste Removal		07920-0	Joint Sealers		11130-0	Loading Dock Equipment		31231-9	Dewatering
	02650-0	Underground Tank Removal		07951-3	Expansion Joint Covers		11170-0	Teller and Service Equipment		31250-0	Erosion Control
	02820-0	Haz-Mat & Asbestos Remediation	_		•		11190-0	Prison Equipment		31320-0	Soil Stabilization
		Mold Remediation			08 - OPENINGS		11230-0	Commercial Laundry Equipment		31400-0	Shoring & Underpinning
_				08110-0	Metal Door/Frame/Hardware		11271-3	Darkroom Equipment		31511-3	Helical Anchors
		03 - CONCRETE		08110-3	Install Doors & Hardware		11310-0	Residential Appliances	$\Box$	31620-0	Driven Piles
	03000-1	Ready Mix Supplier		08140-0	Wood Doors		11400-0	Food Service Equipment		31630-0	Bored Piles
□	03013-0	Concrete (Floor) Resurfacing		08310-0	Access Doors		11510-0	Library Equipment		31632-6	Caissons
□	03013-1	Concrete Rehabilitation		08330-0	Coiling Doors & Grilles		11520-0	Audio-visual Equipment	_		
	03110-0	Concrete Formwork Subcontractor		08332-3	Overhead Doors		11530-0	Laboratory Equipment		32	- EXTERIOR IMPROVEMENTS
ੂ⊟	03110-3	Concrete Formwork Suppliers		08340-0	Elevator Smoke Doors		11570-0	Paint Booths		32121-6	Asphalt Paving
□	03150-0	Concrete Accessories		08341-6	Hanger Doors		11610-0	Theater & Stage Equipment		32131-3	Concrete Pavement
□	03210-0	Rebar Supplier		08346-3	Detention Doors & Frames		11660-0	Athletic Equipment		32140-0	Unit Pavers
□	03210-3	Rebar Installer		08380-0	Traffic Doors		11680-0	Play Field Equip & Structures	Ħ	32172-3	Pavement Striping
□	03230-0	Post-Tension Tendons		08410-0	Entrances & Storefronts	_		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		32180-0	Athletic & Recreational Surfaces
	03300-0	Concrete Subcontractor		08422-9	Automatic Entrances			12 - FURNISHINGS		32310-0	Fences & Gates
	03330-0	Architectural Concrete		08440-0	Glazed Curtain Walls		12200-0	Window Treatment		32315-0	Highway Guardrails
	03350-0	Concrete Finishing Subcontractor		08450-0	Translucent Wall & Roof Panels		12300-0	Manufactured Casework		32320-0	Modular Retaining Walls
	03353-3	Stamped/Stained Concrete Finish		08511-3	Manufactured Aluminum Windows		12355-3	Laboratory Casework		32840-0	Irrigation System
	03353-6	Shot/Sandblast Concrete Finish		08520-0	Wood Windows		12481-3	Entrance Floor Mats & Frames		32900-0	Planting
	03353-9	Concrete Floor Polishing		08800-0	Glazing		12600-0	Multiple Seating			J
	03371-6	Concrete Pumping			•		12660-0	Telescoping Stands			33 - UTILITIES
	03410-0	Precast Structural Concrete			09 - FINISHES		12930-0	Site Furnishings		33050-0	Utility Subcontractors
	03413-9	Precast Wall Panels		09211-6	Drywall			_			•
	03450-0	Architectural Precast		09230-0	Plaster & Stucco		<u> 13 -</u>	- SPECIAL CONSTRUCTION			34 - TRANSPORTATION
	03471-3	Tilt-Up Site Cast Panels		09300-0	Tile		13110-0	Swimming Pools		34110-0	Railroad Work
	03541-3	Cementitious Underlayment		09510-0	Acoustical Ceilings		13180-0	Ice Rinks			
	03800-0	Concrete Sawing		09640-0	Wood Flooring		13341-9	Pre-Engineered Metal Buildings		PRO	CESS EQUIPMENT SUBGROUP
				09650-0	Resilient Flooring (Vinyl)					4XXXX-X	Process Equipment
		04 - MASONRY		09660-0	Terrazzo		<u>14</u>	- CONVEYING EQUIPMENT			
	04000-1	Masonry Subcontractor		09670-0	Fluid Applied Flooring		14200-0	Elevators			
	04012-3	Masonry Restoration		09680-0	Carpet		14420-0	Wheelchair Lifts			
	04211-3	Masonry Suppliers		09690-0	Access Flooring		14450-0	Vehicle Lifts			
	04400-0	Cut Stone		09720-0	Wall Covering		14800-0	Scaffolding			
	04424-3	Fabricated Stone Panels		09840-0	Acoustical Wall Treatment		14918-2	Trash Chutes			
	04720-0	Cast Stone		09910-0	Paint & Coatings		14920-0	Pneumatic Bulk Handling Systems	_		<u>OTHER</u>
	04730-0	Simulated Stone		09690-0	Access Flooring						
				09720-0	Wall Covering	_		21 - FIRE SUPPRESSION	ᆜ		
_		05 - METALS		09840-0	Acoustical Wall Treatment		21100-0	Fire Sprinkler Subcontractor			
	05120-0	Structural Steel Supplier		09910-0	Paint and Coatings						
⊣	05120-3	Steel Erectors				_		22 - PLUMBING	$\sqcup$		
	05500-0	Metal Fabrications	_	40440.0	10 - SPECIALTIES		22000-0	Plumbing & Piping			
		IOODO DI ACTICO è COMPOSITEO		10110-0	Visual Display Boards		22000-3	Mechanical Contractor			
_		/OODS, PLASTICS & COMPOSITES		10120-0	Display Cases		22070-0	Duct & Pipe Insulation			
닏	06060-0	Lumber Suppliers		10140-0	Identification Devices		22110-0	WTP/WWTP Process Piping Sub			
		Rough Carpentry Subcontractor	무	10142-3	Panel Signage		22111-3	Process Piping Fabricator			
	06175-3	Wood Trusses		10145-3	Traffic Signs and Signals			02 111/40			
	06180-0	Glued-Laminated Construction	무	10211-3	Toilet Compartments		22000 0	23 - HVAC			
	06200-0	Finish Carp & Cabinet Installation		10221-3	Wire Mesh Partitions		23000-0	HVAC Subcontractor			
	06400-0	Architectural Woodwork		10221-9	Demountable Partitions		23059-3	Testing Adjusting & Balancing			
	06800-0	FRP Fabrications - General	Ш	10222-6	Operable Partitions	Ш	23090-0	Controls & Instrumentation			

# **EXHIBIT P Equal Employment Opportunity Provisions**

# RULES AND REGULATIONS REGARDING EQUAL EMPLOYMENT OPPORTUNITY

Promulgated and adopted by the Manager of Public Works pursuant to and by authority of Article III, Division 2, Chapter 28 of the Revised Municipal Code of the City and County of Denver, and for the purpose of insuring that contractors, subcontractors and suppliers soliciting and receiving compensation for contract work from or through the City and County of Denver provide equal opportunity in employment without regard to race, color, creed, sex, national origin, age, religion, marital status, political opinion or affiliation or mental or physical handicap and meet certain requirements for the hiring, training, promotion, and treatment during employment of members of ethnic groups subject to differential treatment, including persons of African descent (Black), Spanish-surnamed (Hispanic), Asian-American and American Indian Groups.

#### **RULE I - DEFINITIONS**

- A. "City" means the City and County of Denver.
- B. "Manager" shall mean the Manager of Public Works for the City and County of Denver.
- C. "Contract" means a contract entered into with the City and County of Denver, financed in whole or in part by local resources or funds of the City and County of Denver, for the construction of any public building or prosecution or completion of any public work.
- D. "Contractor" means the original party to a contract with the City and County of Denver, also referred to as the "general" or "prime" contractor.
- E. "Director" means the Director of the Division of Small Business Opportunity.
- F. "Subcontractor" means any person, company, association, partnership, corporation, or other entity, which assumes by subordinate agreement some or all of the obligations of the general or prime contractor.
- G. The phrase "Bidding Specifications" as used in Article III, Division 2 of Chapter 28 of the Revised Municipal Code shall include BID CONDITION, INVITATION TO BID, and NOTICE OF PROPOSAL.
- H. "Affirmative Action Program" means a set of specific and result-oriented procedures or steps to which a contractor commits himself to apply every good faith effort to employ members of ethnic minority groups, to include persons of African descent (Black), Spanish surnamed (Hispanic), Asian-American, American Indians, and persons with mental or physical handicap.
- I. "Division of Small Business Opportunity" means the City agency established pursuant to Article III, Division 1 of Chapter 28 of the Denver Revised Municipal Code.

#### **RULE II - NOTICE OF HEARING**

When results of conciliation efforts are unsatisfactory to the Manager and he is informed in accordance with Article III, Division 2 of Chapter 28 of the Revised Municipal code that a contractor or subcontractor has apparently failed to meet affirmative action and equal employment opportunity requirements after a reasonable period of notice to correct deficiencies, the Manager will, prior to imposition of any sanctions, afford the general contractor a hearing in order to determine whether the contractor or his subcontractors have failed to comply with the affirmative action and equal employment opportunity requirements of Article III, Division 2 of Chapter 28 of the Revised Municipal Code or of the contract. Written notice of such hearing shall be delivered personally or sent by certified mail, return receipt requested, to the contractor and to any subcontractor involved, at least ten (10) days prior to the date scheduled for the hearing.

#### **RULE III - HEARING**

- A. Contractors will appear at hearings and may be represented by counsel, and may present testimony orally and other evidence.
- B. Hearings shall be conducted by one or more hearing examiners designated as such by the Manager.
- C. The Director of the Division of Small Business Opportunity may participate in hearings as a witness.
- D. Hearings shall be held at the place specified in the notice of hearing.
- E. All oral testimony shall be given under oath or affirmation and a record of such proceedings shall be made.
- F. All hearings shall be open to the public.
- G. The hearing officer shall make recommendations to the Manager who shall make a final decision.

#### REGULATIONS

#### **REGULATION NO. 1 - ORDINANCE:**

The Rules and Regulations of the Manager shall be inserted in the bidding specifications for every contract for which bidding is required.

#### **REGULATION NO. 2 - EXEMPTIONS:**

Each contract and subcontract, regardless of the dollar amount, shall be subject to affirmative action requirements unless specifically exempted in writing individually by the Manager. Exemptions apply only to "affirmative action" in equal employment opportunity, and are not to be construed as condonation in any manner of "discrimination" or "discriminatory practices" in employment because of race, color, creed, sex, age, national origin, religion, marital status, political opinion or mental or physical handicap.

#### **REGULATION NO. 3 - DIRECTOR OF CONTRACT COMPLIANCE:**

The Director of the Division of Small Business Opportunity shall perform the duties assigned to such official by Article III, Division 2 Chapter 28 of the Revised Municipal Code and by the Manager. (1) The Director of the Division of Small Business Opportunity or designated representatives shall inform bidders and contractors of affirmative action procedures, programs, and goals in accordance with the Ordinance at pre-bid and pre-construction conference; (2) make regular on-site inspections; (3) supply contractors and subcontractors with report forms to be completed by them when requested, and furnished to the Director of the Division of Small Business Opportunity; and (4) review payroll records, employment records and practices of general contractors and their subcontractors and suppliers during the performance of any contract.

The Director of the Division of Small Business Opportunity shall promptly report apparent affirmative action deficiencies to the Manager.

#### **REGULATION NO. 4 - GOALS AND TIMETABLES:**

In general, goals and timetables should take into account anticipated vacancies and the availability of skills in the market place from which employees should be drawn. In addition, where discrimination in employment by a general contractor or any of his subcontractors is indicated, a corrective action program will take into account the need by the general contractor and his subcontractors to correct past discriminatory practices and reach goals of minority manpower utilization on a timely basis through such recruiting and advertising efforts as are necessary and appropriate.

#### **REGULATION NO. 5 - AWARD OF CONTRACTS:**

It shall be the responsibility of the Director of the Division of Small Business Opportunity to determine the affirmative action capability of bidders, contractors and subcontractors and to recommend to the Manager the award of contracts to those bidders, contractors and subcontractors and suppliers who demonstrate the ability and willingness to comply with the terms of their contract.

#### **REGULATION NO. 6 - PUBLICATION AND DUPLICATION:**

Copies of these Rules and Regulations as amended by the Manager from time to time, shall as soon as practicable and after Notice being published will be made a part of all City Contracts.

#### **REGULATION NO. 7 - NOTICE TO PROCEED:**

Prior to issuance of the Notice to Proceed, a sign-off will be required of the Director of the Division of Small Business Opportunity or his designee.

#### **REGULATION NO. 8 - CONTRACTS WITH SUBCONTRACTORS:**

To the greatest extent possible, the contractor shall make a good faith effort to contract with minority contractors, subcontractors and suppliers for services and supplies by taking affirmative actions, which include but are not limited to the following:

- 1. Advertise invitations for subcontractor bids in minority community news media.
- 2. Contact minority contractor organizations for referral of prospective subcontractors.
- 3. Purchase materials and supplies from minority material suppliers.

#### **REGULATION NO. 9 - AGENCY REFERRALS:**

It shall be no excuse that the union with which the contractor or subcontractor has an agreement providing for referral, exclusive or otherwise, failed to refer minority employees.

#### **REGULATION NO. 10 - CLAUSES:**

The Manager shall include the appropriate clauses in every contract and the contractor shall cause to be inserted in every subcontract the appropriate clauses:

- 1. APPENDIX A: City and County of Denver Equal Opportunity Clause ALL CONTRACTS funded only with City and County of Denver monies.
- 2. APPENDIX B: Equal Opportunity Clause (11246) ALL FEDERAL ASSISTED.
- 3. APPENDIX C: Section 3 Assurance of Compliance HUD ASSISTED PROJECTS.
- 4. APPENDIX D: Section 3 Clause HUD ASSISTED PROJECTS.

All amendments to the appendices shall be included by reference.

#### **REGULATION NO. 11 - SHOW CAUSE NOTICES:**

When the Manager has reasonable cause to believe that a contractor has violated Article III, Division 2 of Chapter 28 of the Denver Revised Municipal Code, he may issue a notice requiring the contractor to show cause, within fifteen (15) days why enforcement procedures, or other appropriate action to insure compliance, should not be instituted.

# REGULATION NO. 12 - BID CONDITIONS - AFFIRMATIVE ACTION REQUIREMENTS - EQUAL EMPLOYMENT OPPORTUNITY:

- 1. APPENDIX E: The Bid Conditions Affirmative Action Requirements Equal Employment Opportunity as amended and published by the U.S. Department of Labor Employment Standards Administration, Office of Federal Contract Compliance, shall be inserted verbatim for bidding specification for every non-exempt contract involving the use of Federal funds.
- 2. APPENDIX F: The Bid Conditions Affirmative Action Requirements Equal Employment Opportunity as published by the Department of Public Works, City and County of Denver, shall be inserted verbatim as bidding specifications for every non-exempt contract using City funds.

# CITY AND COUNTY OF DENVER DEPARTMENT OF PUBLIC WORKS

#### APPENDIX A

# CITY AND COUNTY OF DENVER EQUAL OPPORTUNITY CLAUSE - ALL CONTRACTS

- 1. The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, age, national origin, religion, marital status, political opinion or affiliation, or mental or physical handicap. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, creed, color, sex, age, national origin, religion, marital status, political opinion or affiliation, or mental or physical handicap. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- 2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, age, national origin, religion, marital status, political opinion or affiliation, or mental or physical handicap.
- 3. The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided, advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- 4. Each Contractor will comply with all provisions of Article III, Division 2 of Chapter 28 of the Revised Municipal Code, and the rules, regulations, and relevant orders of the Manager and the Director.
- 5. The Contractor will furnish all information and reports required by Article III, Division 2 of Chapter 28 of the Revised Municipal Code, and by rules, regulations and orders of the Manager and Director or pursuant thereto, and will permit access to his books, records, and accounts by the Manager, Director, or their designee for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- 6. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further City contracts in accordance with procedures authorized in Article III, Division 2, Chapter 28 of the Revised Municipal Code, or by rules, regulations, or order of the Manager.
- 7. The Contractor will include Regulation 12, Paragraph 2 and the provisions of paragraphs (1) through (6) in every subcontract of purchase order unless exempted by rules, regulations, or orders of the Manager issued pursuant to Article III, Division 2, Chapter 28 of the Revised Municipal Code, so that such provisions will be binding on each subcontractor or supplier. The

Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

The applicant further agrees to be bound by the above equal opportunity clauses with respect to its own employment practices when it participates in City contracts. The Contractor agrees to assist and cooperate actively with the Manager and the Director in obtaining compliance of subcontractors and suppliers with the equal opportunity clause and the rules, regulations and relevant orders of the Manager, and will furnish the Manager and the Director such information as they may require for the supervision of compliance, and will otherwise assist the Manager and Director in the discharge of the City's primary responsibility for securing compliance. The Contractor further agrees to refrain from entering into any contract or contract modification subject to Article III, Division 2 of Chapter 28 of the Revised Municipal Code with a contractor debarred from, or who has not demonstrated eligibility for, City contracts.

The Contractor will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the Manager and Director. In addition, the Contractor agrees that failure or refusal to comply with these undertakings the Manager may take any or all of the following actions:

- A. Cancellation, termination, or suspension in whole or in part of this contract.
- B. Refrain from extending any further assistance to the applicant under the program with respect to which the failure occurred until satisfactory assurance of future compliance has been received from such applicant.
- C. Refer the case to the City Attorney for appropriate legal proceedings.

**SUBCONTRACTS:** Each prime Contractor or Subcontractor shall include the equal opportunity clause in each of its subcontracts.

# CITY AND COUNTY OF DENVER DEPARTMENT OF PUBLIC WORKS

#### APPENDIX F

#### **AFFIRMATIVE ACTION REQUIREMENTS**

#### **EQUAL EMPLOYMENT OPPORTUNITY**

For All Non-Exempt Construction Contracts to Be Awarded by the City and County of Denver, Department of Public Works.

#### **NOTICE**

EACH BIDDER, CONTRACTOR OR SUBCONTRACTOR (HEREINAFTER THE CONTRACTOR) MUST FULLY COMPLY WITH THE REQUIREMENTS OF THESE BID CONDITIONS AS TO EACH CONSTRUCTION TRADE IT INTENDS TO USE ON THIS CONSTRUCTION CONTRACT, AND ALL OTHER CONSTRUCTION WORK (BOTH CITY AND NON-CITY) IN THE DENVER AREA DURING THE PERFORMANCE OF THIS CONTRACT OR SUBCONTRACT. THE CONTRACTOR COMMITS ITSELF TO THE GOALS FOR MINORITY MANPOWER UTILIZATION, AS APPLICABLE, AND ALL OTHER REQUIREMENTS, TERMS AND CONDITION OF THESE BID CONDITIONS BY SUBMITTING A PROPERLY SIGNED BID.

THE CONTRACTOR SHALL APPOINT A COMPANY EXECUTIVE TO ASSUME THE RESPONSIBILITY FOR THE IMPLEMENTATION OF THE REQUIREMENTS, TERMS AND CONDITIONS OF THESE BID CONDITIONS.

/s/			

Manager of Public Works City and County of Denver

#### A. REQUIREMENTS - AN AFFIRMATIVE ACTION PLAN:

Contractors shall be subject to the provisions and requirements of these bid conditions including the goals and timetables for minority\* and female utilization, and specific affirmative action steps set forth by the Division of Small Business Opportunity (DSBO). The contractor's commitment to the goals for minority, and female utilization as required constitutes a commitment that it will make every good faith effort to meet such goals.

#### 1. GOALS AND TIMETABLES:

The goals and timetables for minority and female participation, expressed in percentage terms for the contractor's aggregate workforce in each trade are as follows:

GOALS FOR
MINORITY PARTICIPATION
FOR EACH TRADE

From January 1, 1982 to Until Further Notice

21.7% - 23.5%

### GOALS FOR FEMALE PARTICIPATION FOR EACH TRADE

From January 1, 1982 to Until Further Notice

6.9%

The goals for minority and female utilization above are expressed in terms of hours of training and employment as a proportion of the total number of hours to be worked by the contractor's aggregate workforce, which includes all supervisory personnel, in each trade, on all projects for the City and County of Denver during the performance of its contract (i.e., The period beginning with the first day of work on the City and County of Denver funded construction contract and ending with the last day of work).

The hours of minority and female employment and training must be substantially uniform throughout the length of the contract in each trade and minorities and females must be employed evenly on each of a contractor's projects. Therefore, the transfer of minority or female employees from contractor to contractor or from project to project for the purpose of meeting the contractor's goals shall be a violation of these Bid Conditions.

If the Contractor counts the nonworking hours of apprentices they must be employed by the Contractor during the training period; the Contractor must have made a commitment to employ apprentices at the completion of their training subject to the availability of employment opportunities; and the apprentices must be trained pursuant to training programs approved by the Bureau of Apprenticeship and Training.

\* "Minority" is defined as including, Blacks, Spanish Surname Americans, Asian Americans, and American Indians, and includes both men and minority women.

#### 2. SPECIFIC AFFIRMATIVE ACTION STEPS:

No contractor shall be found to be in noncompliance solely on account of its failure to meet its goals, but will be given an opportunity to demonstrate that the contractor has instituted all the specific affirmative action steps specified and has made every good faith effort to make these steps work toward the attainment of its goals within the timetables, all to the purpose of expanding minority and female utilization in its aggregate

workforce. A contractor, who fails to comply with its obligation under the Equal Opportunity Clause of its contract and fails to achieve its commitments to the goals for minority and female utilization has the burden of proving that it has engaged in an Affirmative Action Program directed at increasing minority and female utilization and that such efforts were at least as extensive and as specific as the following:

- a. The Contractor should have notified minority and female organizations when employment opportunities were available and should have maintained records of the organization's response.
- b. The Contractor should have maintained a file of the names and addresses of each minority and female referred to it by any individual or organization and what action was taken with respect to each such referred individual, and if the individual was not employed by the Contractor, the reasons. If such individual was sent to the union hiring hall for referral and not referred back by the union or if referred, not employed by the Contractor, the file should have documented this and their reasons.
- c. The Contractor should have promptly notified the Department of Public Works, and the Division of Small Business Opportunity when the union or unions with which the Contractor has collective bargaining agreements did not refer to the contractor a minority or female sent by the contractor, or when the Contractor has other information that the union referral process has impeded efforts to meet its goals.
- d. The Contractor should have disseminated its EEO policy within its organization by including it in any employee handbook or policy manual; by publicizing it in company newspapers and annual reports and by advertising such policy at reasonable intervals in union publications. The EEO policy should be further disseminated by conducting staff meetings to explain and discuss the policy; by posting of the policy; and by review of the policy with minority and female employees.
- e. The Contractor should have disseminated its EEO policy externally by informing and discussing it with all recruitment sources; by advertising in news media, specifically including minority and female news media; and by notifying and discussing it with all subcontractors.
- f. The Contractor should have made both specific and reasonably recurrent written and oral recruitment efforts. Such efforts should have been directed at minority and female organizations, schools with substantial minority and female enrollment, and minority and female recruitment and training organizations within the Contractor's recruitment area.
- g. The Contractor should have evidence available for inspection that all tests and other selection techniques used to select from among candidates for hire, transfer, promotion, training, or retention are being used in a manner that does not violate the OFCCP Testing Guidelines in 41 CFR Part 60-3.
- h. The Contractor should have made sure that seniority practices and job classifications do not have a discriminatory effect.

- i. The Contractor should have made certain that all facilities are not segregated by race.
- j. The Contractor should have continually monitored all personnel activities to ensure that its EEO policy was being carried out including the evaluation of minority and female employees for promotional opportunities on a quarterly basis and the encouragement of such employees to seek those opportunities.
- k. The Contractor should have solicited bids for subcontracts from available minority and female subcontractors engaged in the trades covered by these Bid Conditions, including circulation of minority and female contractor associations.

NOTE: The Director and the Division of Small Business Opportunity will provide technical assistance on questions pertaining to minority and female recruitment sources, minority and female community organizations, and minority and female news media upon receipt of a request for assistance from a contractor.

#### 3. NON - DISCRIMINATION:

In no event may a contractor utilize the goals and affirmative action steps required in such a manner as to cause or result in discrimination against any person on account of race, color, religion, sex, marital status, national origin, age, mental or physical handicap, political opinion or affiliation.

#### 4. COMPLIANCE AND ENFORCEMENT:

In all cases, the compliance of a contractor will be determined in accordance with its obligations under the terms of these Bid Conditions. All contractors performing or to perform work on projects subject to these Bid Conditions hereby agree to inform their subcontractors in writing of their respective obligations under the terms and requirements of these Bid Conditions, including the provisions relating to goals of minority and female employment and training.

#### B. CONTRACTORS SUBJECT TO THESE BID CONDITIONS:

In regard to these Bid Conditions, if the Contractor meets the goals set forth therein or can demonstrate that it has made every good faith effort to meet these goals, the Contractor shall be presumed to be in compliance with Article III, Division 2 of Chapter 28 of the Revised Municipal Code, the implementing regulations and its obligations under these Bid Conditions. In the event, no formal sanctions or proceedings leading toward sanctions shall be instituted unless the contracting or administering agency otherwise determines that the contractor is violating the Equal Opportunity Clause.

1. Where the Office of Contract Compliance finds that a contractor failed to comply with the requirements of Article III, Division 2 of Chapter 28 of the Revised Municipal Code or the implementing regulations and the obligations under these Bid Conditions, and so informs the Manager, the Manager shall take such action and impose such sanctions, which include suspension, termination, cancellation, and debarment, as may be appropriate under the Ordinance and its regulations. When the Manager proceeds with such formal action it has the burden of proving that the Contractor has not met the goals contained in these Bid Conditions. The Contractor's failure to meet its goals shall shift to it the requirement to come forward with evidence to show that it has met the good faith requirements of these Bid Conditions.

- 2. The pendency of such proceedings shall be taken into consideration by the Department of Public Works in determining whether such contractor can comply with the requirements of Article III, Division 2 of Chapter 28 of the Revised Municipal Code, and is therefore a "responsible prospective contractor".
- 3. The Division of Small Business Opportunity shall review the Contractor's employment practices during the performance of the contract. If the Division of Small Business Opportunity determines that the Contractor's Affirmative Action Plan is no longer an acceptable program, the Director shall notify the Manager.

#### C. OBLIGATIONS APPLICABLE TO CONTRACTORS:

It shall be no excuse that the union with which the Contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority or female employees. Discrimination in referral for employment, even if pursuant to provisions of a collective bargaining agreement, is prohibited by the National Labor Relations Act, as amended, Title VI of the Civil Rights Act of 1964, as amended, and Article III, Division 2 of Chapter 28 of the Revised Municipal Code. It is the policy of the Department of Public Works that contractors have a responsibility to provide equal employment opportunity, if they wish to participate in City and County of Denver contracts. To the extent they have delegated the responsibility for some of their employment practices to a labor organization and, as a result, are prevented from meeting their obligations pursuant to Article III, Division 2, Chapter 28 of the Revised Municipal Code, such Contractors cannot be considered to be in compliance with Article III, Division 2, Chapter 28 of the Revised Municipal Code, or its implementing rules and regulations.

#### D. GENERAL REQUIREMENTS:

Contractors are responsible for informing their subcontractors in writing regardless of tier, as to their respective obligations. Whenever a Contractor subcontracts a portion of work in any trade covered by these Bid Conditions, it shall include these Bid Conditions in such subcontracts and each subcontractor shall be bound by these Bid Conditions to the full extent as if it were the prime contractor. The Contractor shall not, however, be held accountable for the failure of its subcontractors to fulfill their obligations under these Bid Conditions. However, the prime contractor shall give notice to the Director of any refusal or failure of any subcontractor to fulfill the obligations under these Bid Conditions. A subcontractor's failure to comply will be treated in the same manner as such failure by a prime contractor.

- 1. Contractors hereby agree to refrain from entering into any contract or contract modification subject to Article III, Division 2, Chapter 28 of the Revised Municipal Code with a contractor debarred from, or who is determined not to be a "responsive" bidder for the City and County of Denver contracts pursuant to the Ordinance.
- 2. The Contractor shall carry out such sanctions and penalties for violation of these Bid Conditions and the Equal Opportunity Clause including suspension, termination and cancellation of existing subcontracts and debarment from future contracts as may be ordered by the Manager pursuant to Article III, Division 2, Chapter 28 of the Revised Municipal Code and its implementing regulations.
- 3. Nothing herein is intended to relieve any contractor during the term of its contract from compliance with Article III, Division 2, Chapter 28 of the Revised Municipal Code, and the Equal Opportunity Clause of its contract with respect to matters not covered in these Bid Conditions.

- 4. Contractors must keep such records and file such reports relating to the provisions of these Bid Conditions as shall be required by the Office of Contract Compliance.
- 5. Requests for exemptions from these Bid Conditions must be made in writing, with justification, to the Manager of Public Works, 201 W. Colfax, Dept. 608, Denver, Colorado 80202, and shall be forwarded through and with the endorsement of the Director

## **EXHIBIT Q**

# CITY AND COUNTY OF DENVER DEPARTMENT OF PUBLIC WORKS

#### PERFORMANCE AND PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned AP Mountain States, LLC dba Adolfson & Peterson Construction, a corporation organized and existing under and by virtue of the laws of the State of Colorado, hereafter referred to as the "Contractor", and, The Continental Insurance Company, a corporation organized and existing under and by virtue of the laws of the State of Pennsylvania, and authorized to transact business in the State of Colorado, National Indemnity Company, a corporation organized and existing under and by virtue of the laws of the State of Nebraska, and authorized to transact business in the State of Colorado, as Surety, are held and firmly bound unto the CITY AND COUNTY OF DENVER, a municipal corporation of the State of Colorado, hereinafter referred to as the "City", in the penal sum of EIGHT MILLION SEVEN HUNDRED AND EIGHTY NINE THOUSAND NINETY SIX DOLLARS AND NO CENTS (\$ 8,789,096.00), lawful money of the United States of America, for the payment of which sum, well and truly to be made, we bind ourselves and our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents;

#### THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH THAT:

WHEREAS, the above bounder Contractor has entered into a written contract with the aforesaid City for furnishing all labor and tools, supplies, equipment, superintendence, materials and everything necessary for and required to do, perform and complete the construction of CONTRACT NO. 201523539 - CENTRAL DENVER RECREATION CENTER, Denver, Colorado, and has bound itself to complete the project within the time or times specified or pay liquidated damages, all as designated, defined and described in the said Contract and Conditions thereof, and in accordance with the Plans and Technical Specifications therefore, a copy of said Contract being made a part hereof;

NOW, THEREFORE, if the said Contractor shall and will, in all particulars well and truly and faithfully observe, perform and abide by each and every Covenant, Condition and part of said Contract, and the Conditions, Technical Specifications, Plans, and other Contract Documents thereto attached, or by reference made a part thereof and any alterations in and additions thereto, according to the true intent and meaning in such case, then this obligation shall be and become null and void; otherwise, it shall remain in full force and effect;

PROVIDED FURTHER, that if the said Contractor shall satisfy all claims and demands incurred by the Contractor in the performance of said Contract, and shall fully indemnify and save harmless the City from all damages, claims, demands, expense and charge of every kind (including claims of patent infringement) arising from any act, omission, or neglect of said Contractor, its agents, or employees with relation to said work; and shall fully reimburse and repay to the City all costs, damages, and expenses which it may incur in making good any default based upon the failure of the Contractor to fulfill its obligation to furnish maintenance, repairs or replacements for the full guarantee period provided in the Contract Documents, then this obligation shall be null and void; otherwise it shall remain in full force and effect;

PROVIDED FURTHER, that if said Contractor shall at all times promptly make payments of all amounts lawfully due to all persons supplying or furnishing it or its subcontractors with labor and materials, rental machinery, tools or equipment used or performed in the prosecution of work provided for in the above Contract and that if the Contractor will indemnify and save harmless the City for the extent of any and all payments in connection with the carrying out of such Contract, then this obligation shall be null and void; otherwise it shall remain in full force and effect;

PROVIDED FURTHER, that if the said Contractor fails to duly pay for any labor, materials, team hire, sustenance, provisions, provender, gasoline, lubricating oils, fuel oils, grease, coal, or any other supplies or materials used or consumed by said Contractor or its subcontractors in performance of the work contracted to be done, or fails to pay any person who supplies rental machinery, tools or equipment, all amounts due as the result of the use of such machinery, tools or equipment in the prosecution of the work, the Surety will pay the same in any amount not exceeding the amount of this obligation, together with interest as provided by law;

PROVIDED FURTHER, that the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to contracts with others in connection with this project, or the work to be performed thereunder, or the Technical Specifications and Plans accompanying the same, shall in any way affect its obligation on this bond and it does hereby waive notice of any change, extension of time, alteration or addition to the terms of the Contract, or contracts, or to the work, or to the Technical Specifications and Plans.

IN WITNESS WHEREOF, said Contractor and said Suret day of August, 20_	
	AP Mountain States, LLC db. Adolfson & Peterson Construction
Attest:	TOM HORSTING, SR. VICE PRESIDENT  By:  AP MOUNTAIN STATES  President
Secretary	The Continental Insurance Company (CNA Surety)  Co-Surety
	By: Attorney-In-Fact Nina E. Werstein
	National Indemnity Company  ConSurety  By:  Attorney-In-Fact - Nina E. Werstein
(Accompany this bond with Attorney-in-Fact's authority date of the bond).	from the Surety to execute bond, certified to include the
APPROVED AS TO FORM: Attorney for the City and County of Denver	APPROVED FOR THE CITY AND COUNTY OF DENVER
Assistant City Attorney	By: MAYOR MAYOR
	By: Sesligh Sum  EXEC. DIR. OF PUBLIC WORKS

#### POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That The Continental Insurance Company, a Pennsylvania insurance company, is a duly organized and existing insurance company having its principal office in the City of Chicago, and State of Illinois, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Dennis G. Loots, Laurie F. Pflug, Jill N. Swanson, Nina E. Werstein, Brian D. Carpenter, Nicole Langer, Craig Olmstead, Individually

of Minneapolis, MN, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

#### - In Unlimited Amounts -

and to bind them thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the insurance company and all the acts of said Attorney, pursuant to the authority hereby given is hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law and Resolutions, printed on the reverse hereof, duly adopted, as indicated, by the Board of Directors of the insurance company.

In Witness Whereof, The Continental Insurance Company has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 30th day of July, 2014.



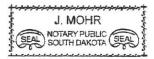
The Continental Insurance Company

Paul T. Bruflat

Vice President

State of South Dakota, County of Minnehaha, ss:

On this 30th day of July, 2014, before me personally came Paul T. Bruflat to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of The Continental Insurance Company, a Pennsylvania insurance company, described in and which executed the above instrument; that he knows the seal of said insurance company; that the seal affixed to the said insurance is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said insurance company and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said insurance company.



My Commission Expires June 23, 2015

T Moh

Notary Public

#### CERTIFICATE

I, D. Bult, Assistant Secretary of The Continental Insurance Company, a Pennsylvania insurance company, do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that the By-Law and Resolution of the Board of Directors of the insurance company printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said insurance company this \_\_\_\_\_\_ day of \_\_\_\_\_\_



The Continental Insurance Company

D. Bult

Assistant Secretary

Form F6850-4/2012

#### **Authorizing Resolutions**

ADOPTED BY THE BOARD OF DIRECTORS OF THE CONTINENTAL INSURANCE COMPANY:

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the Board of Directors of the Company at a meeting held on May 10, 1995.

"RESOLVED: That any Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Group Vice President to the Secretary of the Company prior to such execution becoming effective."

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execution power of attorneys on behalf of The Continental Insurance Company.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25<sup>th</sup> day of April, 2012:

"Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the "Authorized Officers") to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, "Electronic Signatures"); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company."

or via r

via fax to (617) 507-8259,

email at claimsnotice@bhspecialty.com,

our 24-hour toll free number at (855) 453-9675, via

contact us on

us of a claim

notify

**Power Of Attorney** 

#### NOTARY

By:

State of Massachusetts, County of Suffolk, ss:

Berkshire Hathaway Specialty Insurance

On this 18th day of November, 2014 before me appeared David Fields, Executive Vice President of BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY and Vice President of NATIONAL INDEMNITY COMPANY and NATIONAL LIABILITY & FIRE INSURANCE COMPANY, who being duly sworn, says that his capacity is as designated above for such Companies; that he knows the corporate seals of the Companies; that the seals affixed to the foregoing instrument are such corporate seals; that they were affixed by order of the board of directors or other governing body of said Companies pursuant to its Bylaws, Resolutions and other Authorizations, and that he signed said instrument in that capacity of said Companies.

[Notary Seal]



Notary Public

I, Brennan Neville, the undersigned, Assistant Secretary of BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY, NATIONAL INDEMNITY COMPANY and NATIONAL LIABILITY & FIRE INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies which is in full force and effect and has not been revoked. IN TESTIMONY WHEREOF, I have hereunto affixed the seals of said companies this







Buen s North Assistant Secretary

BHSIC, NICO & NLF POA (2014)

To verify the authenticity of this Power of Attorney please contact us at. BHSI Surety Department, Berkshire Hathaway Specialty Insurance Company, 100 Federal Street, 20th Floor Boston, MA 02110 | (617) 936-2971 or by email at Courtney.Walker@bhspecialty.com\_THIS POWER OF ATTORNEY IS VOID IF ALTERED

#### BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY (BYLAWS)

ARTICLE V.

#### CORPORATE ACTIONS

EXECUTION OF DOCUMENTS:

. . . .

Section 6.(b) The President, any Vice President or the Secretary, shall have the power and authority:

- (1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company bonds and other undertakings, and
- (2) To remove at any time any such Attorney-in-fact and revoke the authority given him.

#### NATIONAL INDEMNITY COMPANY (BY-LAWS)

#### Section 4. Officers, Agents, and Employees:

A. The officers shall be a President, one or more Vice Presidents, a Secretary, one or more Assistant Secretaries, a Treasurer, and one or more Assistant Treasurers none of whom shall be required to be shareholders or Directors and each of whom shall be elected annually by the Board of Directors at each annual meeting to serve a term of office of one year or until a successor has been elected and qualified, may serve successive terms of office, may be removed from office at any time for or without cause by a vote of a majority of the Board of Directors, and shall have such powers and rights and be charged with such duties and obligations as usually are vested in and pertain to such office or as may be directed from time to time by the Board of Directors; and the Board of Directors or the officers may from time to time appoint, discharge, engage, or remove such agents and employees as may be appropriate, convenient, or necessary to the affairs and business of the corporation.

#### NATIONAL INDEMNITY COMPANY (BOARD RESOLUTION ADOPTED AUGUST 6, 2014)

Resolved, That the President, any Vice President or the Secretary, shall have the power and authority to (1) appoint Attorneys-in-fact, and to authorize them to execute on behalf of this Company bonds and other undertakings and (2) to remove at any time any such Attorney-in-fact and revoke the authority given him.

#### NATIONAL LIABILITY & FIRE INSURANCE COMPANY (BY-LAWS)

**ARTICLE IV** 

Officers

#### Section 1. Officers, Agents and Employees:

A. The officers shall be a president, one or more vice presidents, one or more assistant vice presidents, a secretary, one or more assistant secretaries, a treasurer, and one or more assistant treasurers, none of whom shall be required to be shareholders or directors, and each of whom shall be elected annually by the board of directors at each annual meeting to serve a term of office of one year or until a successor has been elected and qualified, may serve successive terms of office, may be removed from office at any time for or without cause by a vote of a majority of the board of directors. The president and secretary shall be different individuals. Election or appointment of an officer or agent shall not create contract rights. The officers of the Corporation shall have such powers and rights and be charged with such duties and obligations as usually are vested in and pertain to such office or as may be directed from time to time by the board of directors; and the board of directors or the officers may from time to time appoint, discharge, engage, or remove such agents and employees as may be appropriate, convenient, or necessary to the affairs and business of the Corporation.

#### NATIONAL LIABILITY & FIRE INSURANCE COMPANY (BOARD RESOLUTION ADOPTED AUGUST 6, 2014)

Resolved, That the President, any Vice President or the Secretary, shall have the power and authority to (1) appoint Attorneys-infact, and to authorize them to execute on behalf of this Company bonds and other undertakings and (2) to remove at any time any such Attorney-in-fact and revoke the authority given him.



PERFORMANCE AND PAYMENT BOND SURETY AUTHORIZATION

July 30, 2015

Denver Public Works Assistant City Attorney 201 W. Colfax Ave. Dept 1207 Denver, CO 80202

Re: AP Mountain States, LLC dba Adolfson & Peterson Construction, Aurora, CO

Contract No. 201523539

Project Name: Central Denver Recreation Center

Contract Amount: \$8,789,096.00

Performance and Payment Bond No.: 929618585 / 40-SUR-300007-01-0014

Dear Assistant City Attorney:

The Performance and Payment Bonds covering the above captioned project were executed by this agency through The Continental Insurance Company and National Indemnity Company (co-sureties), on July 30, 2015.

We hereby authorize the City and County of Denver, Department of Public Works, to date all bonds and powers of attorney to coincide with the date of the contract.

If you have any additional questions or concerns, please don't hesitate to give me a call at (763)302-7109. FAX Number: 763-302-7200

Sincerely,

Nina E. Werstein

Vice President - Willis of Minnesota, Inc.

# **EXHIBIT R**

# **Contractor's Certification of Payment Form**

PATE.					Office of Economic Development				
#**			City	and County of I	Compliance Unit				
# <b>**</b>								201 W. Colfax Ave	., Dept. 907
		Divi	sion (	of Small Business	Denver, CO 80202				
DENVER"								Phone: 72	20.913.1999
THE MILE NICH CITY		Contractor's/0	Consi	ultant's Certificat	ion of	Payment (CCP)		Fax: 72	20.913.1803
Prime Contractor or Consultant:			Phone:			Project Manager:			
Pay Application #:		Pay Period:				Amount Requested: \$			
Project #:		Project Name:							
Current Completion Date:		Percent Complete:				Prepared By:			
(i) - Original Contract Amount: \$					(II) - Curre	ent Contract Amount: \$			
		A	В	С	D	E	F	G	н
Prime/Subcontractor/Supplier Name	M/W/S/ DBE/ NON	Original Contract Amount	% Bld (A/I)	Current Contract Amount Including Amendments	% Revised (C/II)	Requested Amount of this Pay Application	Amount Paid on the Previous Pay Application #	Net Paid To Date	Paid % Achieved (G/II)
Totals			L,						
The undersigned certifies that the info and listed herein. Please use an add				rue, accurate and that the	paymen	ts shown have been made	to all subcontractors a	nd suppliers used on th	nic project
Prepared By (Signature):						Date:			
topico of topicoloj.				Page	of				
COMP-FRM-027 rev 022311									



### Instructions for Completing the Contractor/Consultant Certification of Payment Form

Office of Economic Development
Division of Small Business Opportunity
Compliance Unit
201 W. Colfax Ave., Dept. 907
Denver, CO 80202
Phone: 720-913-1999
Fax: 720-913-1803
dsbo@denvergov.org

Note: The attached Contractor/Consultant Certification of Payment form must be completed by the Contractor/
Subconsultant and all subcontractors/subconsultant or suppliers used on the project at any tier and submitted with each
pay application. The Contractor/Consultant is responsible for the accuracy of all information provided and is required to
have each subcontractor/subconsultant or supplier fill out the appropriate forms. Please be sure to complete all
information requested at the top of the form, including the name of the person who prepared this form.

If you reproduce this form, you must continue to list each of the originally listed firms, as well as any additional firms used during the performance period of the contract.

If you have any questions, please call the Compliance Unit of DSBO at 720.913.1999.

Instructions for Completing the Contractor/Consultant Certification of Payment Form, per Column

Contractor/Subcontractor or Subconsultant/Supplier Name: In the space provided, list all subcontractors/
subconsultants and suppliers used on the project. For all M/W/S/DBEs use the exact name listed in the DSBO Directory.

M/W/S/DBE/NON: For each name listed, indicate whether the entity is a certified M/W/S/DBE.

Column A: Provide the contract amount, as listed at bid time, for the Contractor/Consultant and each

subcontractor/subconsultant or supplier.

Column B: Provide the percentage portion of each listed subcontractor/subconsultant or supplier contract amount

(Column A) compared to the total original contract amount in (I).

Column C: Provide the original contract amount (Column A) for each subcontractor/subconsultant or supplier plus any

awarded alternate and/or change order amounts applicable. If an alternate/change order does not apply

to the listed firm, re-enter the original contract amount (Column A).

Column D: Provide the percent portion of each listed subcontractor/subconsultant or supplier contract amount

(Column C) compare to the current total contract amount in (II).

Column E: Provide the amount requested for work performed or materials supplied by each listed

subcontractor/subconsultant or supplier for this pay application. The sum of the items in this column

should equal the estimated amount requested for this pay application.

Column F: Provide the amount paid to each subcontractor/subconsultant or supplier on the previous pay

application. Enter the previous pay application number in the column heading. The sum of the items listed in this column should equal the warrant amount paid to the Contractor/Consultant on the previous pay application. The amounts paid to the subcontractor/subcontractor or suppliers should be the actual

amount of each check issued.

Column G: Provide the net paid to date for the Contractor/Subconsultant and each listed subcontractor/subconsultant

or supplier.

Column H: Provide the percent portion of the net paid to date (Column G) for the Contractor/Subconsultant and each

listed subcontractor/subconsultant or supplier of the current total contract amount in (II).

#### **EXHBIT S**

### Final Receipt Form - Certificate of Final Release

#### **Denver Public Works**



Engineering Division
Capital Projects Management – Dept. 506
Right-of-Way Services – Dept 507
Traffic Engineering Services – Dept 508
Policy and Planning – Dept. 509
201 West Colfax Ave, Dept 614
Denver, CO 80202
www.work4denver.com

Certificate of Contract Release (SAMPLE)

(SAMPLE)	
Date  Name Company Street City/State/Zip	
RE: Certificate of Contract <b>«CONTRACT_NO»</b> , <b>«PROJ</b>	
Received this date of the City and County of Denver, improvements provided for in the foregoing contract,cents (\$), in cash, being the remainder of the f of said contract; said cash also covering and including f material furnished by the undersigned in the construction o and the undersigned hereby releases said City and County whatsoever, regardless of how denominated, growing out of	dollars and all amount accruing to the undersigned by virtue all payment for the cost of all extra work and f said improvements, and all incidentals thereto, of Denver from any and all claims or demands
And these presents are to certify that all persons perform improvements under the foregoing contract have been paid final payment.	
Contractor's Signature	Date Signed

If there are any questions, please contact me by telephone at (720) 913-XXXX. Please return this document via facsimile at (720) 913-1805 and mail to original to the above address.



Protecting the Present & Building the Future

Accountability, Innovation, Empowerment, Performance, Integrity,
Diversity, Teamwork, Respect, Excellence, Safety