

CONSTRUCTION MANAGER

AND

GENERAL CONTRACTOR

AGREEMENT

between

Oregon State University (OSU)

(Owner)

and

(Construction Manager)

Dated _____, 20__

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SAMPLE

CONSTRUCTION MANAGER AT-RISK
AND
GENERAL CONTRACTOR
AGREEMENT

THIS CONSTRUCTION MANAGER AT-RISK AND GENERAL CONTRACTOR AGREEMENT (this "Agreement") is made this ____ day of _____, 20__ (the "Effective Date"), by and between Oregon State University ("OSU"), a public university (the "Owner"), and _____, a[n] _____ (the "Construction Manager"). Owner and Construction Manager agree as follows:

ARTICLE 1

DEFINITIONS AND GENERAL PROVISIONS

1.1 Definitions. The following terms have the meanings set forth below:

"Affiliate" shall mean an entity in which: (i) Construction Manager has a financial interest, (ii) such entity has a financial interest in Construction Manager, (iii) Construction Manager has a direct or indirect controlling interest, or (iv) such entity has a direct or indirect controlling interest in Construction Manager.

"Alternate" shall mean a scope of work that Construction Manager shall include in appropriate bid packages, such that Owner may, at its option and in its sole discretion, approve or disapprove the same as an additional component of the Work.

"Alternate Schedule" shall mean Construction Manager's separate and identifiable pricing and scheduling information for all Alternates, including in the GMP Qualifications and Assumptions, for possible addition to the Work.

"BIM" shall mean building information modeling, a design and construction modeling process, that shall be implemented during design and construction of the Project.

"BIM Model" shall mean the digital model or models produced during the design and construction of the Project.

"Business Inclusion and Diversity Program" shall have the meaning given in the General Conditions.

"Claim" shall have the meaning given in the General Conditions.

"Construction Contingency" shall mean separately identifiable contingency funds included in a GMP as set forth in *Section 7.8* of this Agreement.

"Construction Manager's Fee" shall have the meaning given in *Section 7.9.1* of this Agreement.

"Construction Manager's Field Work" shall mean customary Work of a minor nature not feasible to Subcontract, arising from: exclusions by a Subcontractor not resolved during Subcontract buy-out, deviations in Work of Subcontractors that are not Defective Work, unaccounted-for complexity of Work coordination, and other similar reasons typical in the industry; provided, however, Construction Manager reasonably determines self-performing such Work is in Owner's best interests, obtains Owner Parties' written consent prior to executing such Work, and the cost of such Work is separately identified in Construction Manager's Applications for Payment.

“Construction Drawings and Specifications” shall mean the Owner-approved Drawings and Specifications that Contractor will use to execute Work.

“Contract Documents” shall have the meaning given in the General Conditions.

“Contract Sum” shall have the meaning given in the General Conditions.

“Cost of the Work” shall have the meaning given in *Section 7.5* of this Agreement.

“Day” shall have the meaning given in the General Conditions.

“Deliverable Portion of Work” shall have the meaning given in the General Conditions.

“Design-Assist” shall mean a Subcontractor’s services assisting Construction Manager in its performance of preconstruction services.

“Design-Build” shall mean a Subcontractor’s professional design services for a portion of the Project, including its contribution to the Project Manual and BIM Model, as well as its performance of the Work that is the subject of its professional design services.

“Design Development Documents” shall mean the Owner-approved Drawings and Specifications prepared from and further refining Schematic Design Documents or GMP Drawings and Specifications, as the case may be.

“Design Professional” shall mean **[ZGF]** or other professional organization that Owner engages from time to time to perform Project services, acting in accordance with ORS Chapter 671 (Architects) or ORS Chapter 672 (Engineers) and administrative rules adopted pursuant to the same.

“Design Professional’s Statement of Incomplete Documents” shall mean Design Professional’s detailed written description of intended, but incomplete, design and documentation that is material to the GMP Drawings and Specifications for which the statement is issued.

“Early Work” shall mean Work, including preparatory activities and long lead time materials, that Construction Manager shall perform under an Early Work Amendment (defined below) prior to Owner and Construction Manager signing a GMP Amendment that includes such Work.

“Early Work Amendment” shall mean Owner’s written order describing and authorizing Construction Manager to proceed with certain Early Work in a form substantially similar to attached *Exhibit B*.

“Estimated Contract Sum” shall mean Construction Manager’s preliminary estimate of the Contract Sum generated during the Project’s preconstruction phase for Owner’s use during Project planning.

“Final Completion” shall have the meaning given in the General Conditions.

“General Conditions” shall mean the General Conditions of the Contract for Construction attached as *Exhibit A*.

“General Conditions Work” shall mean that portion of a Deliverable Portion of Work required to support construction operations that is not included within Construction Manager’s Fee and that is set forth on attached *Exhibit C*.

“General Conditions Work Cost Limit” shall mean the maximum amount Owner will pay for the General Conditions Work, as set forth in the applicable GMP Amendment.

“GMP” shall mean guaranteed maximum price.

“GMP Amendment” shall mean an amendment to this Agreement, signed by Owner and Construction Manager, determined in accordance with *Article 5*, issued in the form of *Exhibit D*,

establishing Construction Manager's GMP and GMP Qualifications and Assumptions, for each Deliverable Portion of Work.

"GMP Amendments Total" shall mean the sum of all GMPs set forth in all GMP Amendments.

"GMP Drawings and Specifications" shall mean the Owner-approved Drawings and Specifications meeting or exceeding the criteria established in *Section 5.11*, upon which a GMP Amendment will be based.

"GMP Qualifications and Assumptions" shall mean, following Owner Parties' approval, Construction Manager's written statement of qualifications to, exceptions to, and assumptions in, a GMP, all based upon the applicable GMP Drawings and Specifications and the applicable Design Professional's Statement of Incomplete Documents.

"Guaranteed Substantial Completion Date" shall mean the date, as set forth in the applicable GMP Amendment, by which Construction Manager shall achieve Substantial Completion of the applicable Deliverable Portion of Work.

"Key Personnel" shall have the meaning given in *Section 4.8* of this Agreement.

"Liquidated Damages" shall have the meaning given in *Section 8.3* of this Agreement.

"Net Savings" shall have the meaning given in *Section 7.8* of this Agreement.

"Notice to Proceed" shall have the meaning given in the General Conditions.

"Owner Parties" shall mean, individually or collectively, as the case may be, Owner, Design Professional and Contract Administrator provided, however, Owner shall have the exclusive right to change at any time such parties so designated as Owner Parties.

"Owner-Supplied Equipment and Materials" shall mean equipment and materials Owner procures and supplies for Construction Manager's incorporation in the Project as part of the Work.

"Owner's Representative" shall mean N/A, or its successor as designated by Owner, to whom Owner has delegated some or all of Owner's Project duties and responsibilities.

"Preconstruction Services Cost Limit" shall mean the maximum amount Owner will pay for the *Article 5* preconstruction services, as set forth in *Exhibit E*.

"Project Development Team" shall mean, collectively, Owner Parties, Construction Manager, and other parties Owner may designate from time to time.

"Project GMP" shall mean the sum of the GMP Amendments Total, the Preconstruction Services Cost Limit, and all other lump-sum and not-to-exceed prices pertaining to the Project to which Construction Manager and Owner agree in writing.

"Schematic Design Documents" shall mean the Owner-approved Drawings and Specifications that illustrate the volume, scale, and relationship of massing, components, and materials, of the Deliverable Portion of Work.

"Self-Performed Work" shall mean Work substantially performed by Construction Manager's own forces or the forces of any Affiliate.

"Standard of Care" shall mean the professional standard that prevails in comparable areas throughout the United States among construction and construction management firms experienced with, and performing the construction and construction management of, projects similar to the scope, quality, and complexity of the Project.

“Subcontract Savings” shall mean Construction Manager’s savings during Subcontract buyout following a GMP Amendment.

“Subcontract Losses” shall mean Construction Manager’s losses during Subcontract buyout following a GMP Amendment.

“Supporting Documents” shall have the meaning given in the General Conditions.

“Target GMP” shall mean the Project cost limitations established for a Deliverable Portion of Work during preconstruction.

“Value Engineering” means analysis of systems, equipment, and Materials, in order to identify and propose to Owner Parties quality alternatives that have equivalent characteristics to those specified, but that can be furnished at a lower installed price or that are more desirable to Owner. Value Engineering proposals shall include a life-cycle cost assessment describing the capital and operational cost of a particular item during the Project’s estimated useful life. Owner shall have the sole authority to approve and disapprove any Value Engineering proposal.

1.2 Other Terms. In addition to the terms defined in this *Article 1*, other terms are defined throughout this Agreement in sections relevant to their use, and in the General Conditions. If terms are not defined in this Agreement or the General Conditions, they shall have their well-known technical or construction industry meanings.

1.3 Context. As the context of each provision of this Agreement changes, so too shall its verbs and nouns. Specifically, terms in the singular and the plural shall include one another, and terms in the feminine, masculine, or neuter, shall include one another. Use of the word “including” throughout this Agreement shall mean “including without limitation” and shall not be deemed a limitation but instead an illustration.

1.4 Incorporation by Reference. All exhibits, schedules, and other attachments to this Agreement, including the General Conditions, shall be incorporated in and integral to this Agreement by their reference.

1.5 General Conditions. Construction Manager is referred to in the General Conditions as “Contractor.”

ARTICLE 2

RELATIONSHIP OF THE PARTIES

2.1 Relationship of the Parties. Construction Manager acknowledges and accepts that by the terms of the Contract Documents, Owner places its trust and confidence in Construction Manager. As such, Construction Manager covenants to: (i) cooperate with Owner Parties; (ii) exercise its best skill and judgment in furthering Owner’s interests for the benefit of the Project, including delivering efficient construction, administration, management, and supervision, services; (iii) furnish at all times an adequate supply of labor and Materials; and (iv) perform the Work in conformance with the Contract Documents and in an expeditious and economical manner.

2.2 Project Development Team and Partnering. Construction Manager shall regularly communicate with and shall cooperate with the Project Development Team for the duration of the Project. Early in the Project, the Project Development Team, including Construction Manager, shall jointly develop a comprehensive project facilitation process. Construction Manager shall actively participate in such project facilitation process and each participant shall bear its own costs of participation.

2.3 RESERVED.

2.4 Project Financing. If applicable, Construction Manager shall reasonably assist during Owner's Project financing process. Construction Manager shall cooperate with lenders financing any portion of the Project and shall sign any amendments to the Agreement, and provide information and documentation that such lenders may reasonably require. Construction Manager covenants it will make available upon reasonable request, Site access and Project information including construction progress and expenditures, such that Owner's lenders, bond trustees, and rating agencies, may inspect or cause its agents to inspect, the Work, and review pay applications. Construction Manager covenants to disclose to any financial institution financing the Project information concerning Construction Manager's financial status, credit rating, and similar information. However, nothing in the Contract Documents shall be construed to require Owner to obtain a loan for the Work.

If Owner's Project construction loan is secured by a mortgage on real or personal property at the Site, this Agreement may be assigned to Owner's construction lender as collateral. Construction Manager agrees to subordinate, and shall cause all Subcontractors and Suppliers to subordinate, their construction liens and bond claims to the Project construction loan. Construction Manager agrees to sign, and shall require Subcontractors and Suppliers to sign, subordinations and other agreements as the Project's lenders may reasonably require.

ARTICLE 3

OWNER'S RIGHTS AND RESPONSIBILITIES

3.1 Timely Response. Owner Parties shall render decisions in a timely manner to avoid unreasonable delay in the orderly progress of the Work; provided, however, Construction Manager shall timely advise Owner Parties of the time requirements pertaining to such decisions.

3.2 Owner's Personnel.

3.2.1 Project Consultants. Owner has separate agreements with Design Professional, Owner's Representative, and Owner's other Project consultants, and although referred to in, are not parties to, this Agreement. Owner reserves the right to change either Owner's Representative, Design Professional, or both, and will give Construction Manager prompt written notice of any such change. None of Owner's Representative's or Design Professional's services supplant or modify any of Construction Manager's obligations, whether express, implied, or customary.

3.2.2 Communications. Owner's Representative shall give both Construction Manager and Design Professional written direction on behalf of Owner. Unless specifically authorized, Construction Manager shall communicate with Owner, through Owner's Representative. Communications to and from Owner's Separate Contractors shall be through Owner's Representative. Construction Manager shall communicate with Design Professional's consultants through Design Professional. All communications to and from Subcontractors and Suppliers shall be through Construction Manager.

3.2.3 Control. Owner Parties shall not be deemed to have control or charge of, and will not be responsible for acts or omissions of, Construction Manager, Subcontractors, or their respective agents or employees, or any other Persons performing Work.

ARTICLE 4

CONSTRUCTION MANAGER'S RIGHTS AND RESPONSIBILITIES

4.1 Standard of Care. Construction Manager covenants it and its Subcontractors will perform services and the Work in accordance with the recognized standards of construction and construction management industry practices. Construction Manager further covenants to ensure all of its professional services and those performed on its behalf are in accordance with the Standard of Care.

4.2 Construction Manager's Role Generally. Construction Manager shall fully, properly, and timely, perform all services and Work, as required by the Contract Documents, to furnish Owner with a first-class, complete, fully-functional Project, capable of being used for its intended purpose. Throughout the Project, Construction Manager shall coordinate and manage the building process as an independent contractor, continuously monitor the schedules and budgets pertaining to the Work, and recommend adjustments to the Project as necessary to ensure completion of the Project in the most expeditious and efficient manner possible. During the Project's construction phase, Construction Manager shall be the Project's general contractor.

4.3 Cooperation. Construction Manager covenants to support a collaborative and cooperative relationship among it, Owner, Owner's Representative, Design Professional, Owner's Separate Contractors, and other Project participants. Construction Manager shall obtain and transfer, or assist others to obtain and transfer, warranties, and to perform warranty and inspection Work for the Project through the expiration date of the applicable warranty period.

4.4 Progress Reports. Construction Manager shall keep Owner Parties informed of the progress of the Work. Construction Manager shall submit to Owner Parties monthly Progress Reports, which shall include: (i) estimated percentages of completion; (ii) Work completed for the reporting period; (iii) an updated Project Schedule; (iv) an updated Construction Schedule; (v) an updated Submittal log including a summary of outstanding Submittals; (vi) pending and approved changes under *Article 10* of the General Conditions; and (vii) test and inspection reports.

4.5 Construction Manager's Personnel and Consultants. Construction Manager's personnel shall include those described in Construction Manager's staff chart in attached *Exhibit F* (the "Key Personnel"). Construction Manager shall submit to Owner Parties for approval within fifteen (15) Days of the Effective Date a list of the Key Personnel, which shall include the background, experience, and qualifications, of each of the Key Personnel. Following Owner Parties' approval, Construction Manager shall use best efforts to keep the Key Personnel assigned to the Project and performing in accordance with Owner's expectations and shall not assign to the Project any other senior personnel without Owner Parties' prior written approval.

4.5.1 Construction Manager shall promptly replace any personnel assigned to the Work upon Owner Parties' reasonable objection to such personnel.

4.5.2 In addition to the staff chart referenced above, Construction Manager shall include in *Exhibit F* its individual scheduled payment rates for all Key Personnel and Project personnel. Such rates shall include the pro rata portion of the cost of (a) mandatory and customary contributions and benefits pursuant to Construction Manager's company-wide policy and (b) applicable collective bargaining agreements.

4.5.3 In the event Construction Manager no longer employs any of the Key Personnel, Construction Manager shall promptly notify Owner Parties and shall use best efforts to provide a permanent replacement suitable to Owner Parties within ten (10) Days after such event.

4.5.4 Construction Manager represents that all persons under its direction delivering services or performing Work who are required by Applicable Laws to be licensed are so licensed and will remain licensed for the duration of the Agreement.

4.6 Governmental Approvals. Construction Manager shall secure and assist Owner to secure all Governmental Approvals.

4.7 Service Plan. Construction Manager shall submit to Owner Parties for review, within fifteen (15) Days of the Effective Date, its Project service plan. The service plan shall clearly communicate to Owner Parties Construction Manager's Project management plan including Project staffing and a Work Plan, all as set forth below.

4.7.1 Forms and Procedures. Owner Parties may develop forms and procedures for the administration and tracking of the Work and the Contract Documents. Construction Manager agrees it shall incorporate into its service plan all such forms and procedures as Owner Parties may require.

4.7.2 Project Staffing. Construction Manager shall include in its service plan a detailed staffing plan describing Construction Manager's and its consultants' services, including those of the Key Personnel. The staffing plan shall include, at a minimum, (i) the names of all individuals assigned to each Project phase; (ii) a brief description of such individuals' Project roles and responsibilities; and (iii) anticipated percentage of working time such individuals will expend performing services or Work for each Project phase.

4.7.3 Work Plan. Construction Manager shall include in its service plan and shall implement throughout the Project an updated and comprehensive work plan defining and describing Construction Manager's (and its Subcontractor's and consultants') deliverables and tasks throughout the design and construction process for each Deliverable Portion of Work, as well as procedures, schedules, documentation, and quality control plans (collectively, the "Work Plan"). The Work Plan shall also include Construction Manager's points of contact, file type and data transfer methods, and other protocols for everyday communications and document processing during preconstruction, construction, and post-construction.

4.7.4 Quality Control. As part of its service plan, Construction Manager shall actively participate in the Project's preconstruction coordination and quality review meetings upon completion of: (i) Schematic Design Documents; (ii) Design Development Documents; (iii) GMP Drawings and Specifications; (iv) Construction Drawings and Specifications, and immediately prior to the issuance of each bid package.

4.8 Owner-Supplied Goods. Construction Manager acknowledges Owner may supply the Project certain Owner-Supplied Equipment and Materials. Construction Manager shall cooperate with Owner Parties and shall provide information and assistance as Owner Parties may reasonably request to investigate such Owner-Supplied Equipment and Materials. Construction Manager's assistance may include obtaining alternate bids such that Owner Parties may understand the cost of potential Owner-Supplied Equipment and Materials versus the cost of those same goods supplied by Subcontractors.

4.8.1 If Owner elects to procure Owner-Supplied Equipment and Materials for the Project, Owner Parties, together with Construction Manager, will develop an agreed upon responsibility matrix for the same. However, unless Owner and Construction Manager otherwise agree in writing, the Work shall include coordination, handling, inspecting, preparing, installing, commissioning, and testing such Owner-Supplied Equipment and Materials.

4.8.2 Owner and Construction Manager agree they will sign amendments and other documentation necessary to memorialize their agreement to matters related to the Owner-Supplied Equipment and Materials.

4.9 General Conditions Work. Construction Manager shall furnish and supervise the General Conditions Work. Construction Manager shall be responsible for, and shall pay without Owner's reimbursement, all costs and expenses, including Costs of the Work, arising from the General Conditions Work that are in excess of the General Conditions Work Cost Limit.

4.10 Building Information Modeling.

4.10.1 Protocols. Owner Parties and Construction Manager may employ BIM to design, engineer, and construct, the Project.

If applicable, Owner Parties and Construction Manager shall meet to establish written protocols governing the BIM Model (the "BIM Protocols") including file formats, levels of development, authorized uses, and development and safekeeping responsibilities, governing all parties developing the Project's BIM Models. When completed, the BIM Protocols shall govern all parties' development of the Project's BIM Models.

Construction Manager shall be responsible for management, development, and hosting of its BIM Model, its Subcontractors' BIM Models, and the Project's integrated BIM Model. Construction Manager shall have ultimate responsibility to perform clash detection among all BIM Models during the preparation of the Construction Drawings and Specifications and through Final Completion of the Project.

Among Construction Manager's As-Built Documents due prior to Final Completion of each Deliverable Portion of Work, Construction Manager shall deliver to Owner an as-built BIM Model, built from its construction BIM Model, suitable for Owner's continued use during the lifecycle of that completed Work.

4.10.2 Ownership of BIM Models. Owner shall own at all times all of the Project's BIM Models. All parties modeling or otherwise submitting Project-specific data for modeling hereby transfer and convey to Owner all right, title, and interest, in and to, all such data and modeling and to the BIM Models.

4.11 OSU Sustainability Standards. Construction Manager agrees to use best efforts, including providing all reasonable documentation, to meet OSU's Sustainability Standards ([OSU's Design Standards](#)).

4.12 Other Obligations. Construction Manager shall perform all other obligations and provide all other services (a) set forth in the Contract Documents and (b) necessary to fully and properly complete the Work.

4.13 Limitation of Authority. Construction Manager shall have no authority to bind Owner without Owner's prior written approval. Construction Manager shall have authority to act on Owner's behalf only to the extent provided in the Contract Documents.

ARTICLE 5

PRECONSTRUCTION SERVICES

5.1 Preconstruction Services. Prior to commencing construction, Construction Manager shall provide preconstruction services set forth in this Agreement and as Owner Parties may reasonably request during each preconstruction phase.

5.2 Project Planning. Construction Manager shall jointly with Owner Parties schedule and attend regular meetings to consult, advise, and assist, Owner Parties on all aspects of the planning and design of the Project. Construction Manager shall review and comment on Owner's program statement, schedule requirements, and proposed budgets, each in terms of the other. Construction Manager shall assist Owner to refine its proposed budgets, including by generating and delivering to Owner Parties its Estimated Contract Sum, utilizing area, volume, or similar conceptual estimating techniques, and shall refine the Estimated Contract Sum based on Owner Parties' changes during Project planning until Owner approves a Project budget and Owner Parties set each Target GMP.

5.3 Project Scheduling.

5.3.1 Proposed Scheduling. During preconstruction activities, Construction Manager shall propose to Owner Parties and evaluate as requested, alternative schedules for delivery of the Project. Construction Manager shall also estimate and inform Owner Parties of affects such alternative schedules might have on the Estimated Contract Sum and Target GMPs.

5.3.2 Special Procurement Issues. Construction Manager shall investigate and recommend to Owner a schedule for the purchase of Materials and equipment requiring advance procurement (i.e., due to long lead times) and for Owner-Supplied Equipment and Materials. Construction Manager shall also work with Owner Parties to identify critical elements of the Work that may require special procurement, such as prequalification or alternative contracting methods.

5.3.3 Project Schedule. Construction Manager shall prepare in conjunction with Owner Parties, and periodically update, a preliminary Project Schedule. In addition to its other substantive requirements, the Project Schedule shall integrate the Work and Construction Manager's and Owner Parties' services. Construction Manager shall include the necessary activities and timelines to support the Work of which Construction Manager is aware or believes to be necessary, including off-site transportation, site work outside of the scope of the Work, and off-site utility extensions. Construction Manager and Owner Parties shall each furnish the other with proposed revisions to the preliminary Project Schedule and Construction Manager shall edit and revise the same until Owner approves. Construction Manager shall be responsible for updating the Project Schedule throughout the duration of the Project.

5.3.4 Construction Schedules. Construction Manager shall incorporate the relevant portions of the Project Schedule, into its Construction Schedules. Construction Manager shall include with its Estimated Contract Sum preliminary Construction Schedules for Owner Parties' review.

After Owner approves the Project budget, Construction Manager shall update and distribute with the Progress Report its approved Construction Schedules throughout the duration of the Work. Each such updated Construction Schedule shall conform to the Contract Documents' requirements and shall accurately reflect progress and remaining estimated durations of applicable Work.

5.4 Project Phasing. At appropriate times during preconstruction, including the Schematic Design Document phase and the Design Development Documents phase, Construction Manager shall discuss with Owner Parties its expected construction activities, division of Work, and efficient bidding

and awarding of Subcontracts. Construction Manager shall recommend to Owner Parties Project phasing and Work prioritization based on the labor and material markets, project logistics, and such other important factors including time of performance, overlapping trade jurisdictions, weather conditions, and provisions for temporary facilities for the Work.

In the event Owner chooses to proceed with the Project or the Work in phases, Construction Manager shall cooperate to economically and efficiently divide the Work into separate Deliverable Portions of Work to accommodate such phases and assist Design Professional to phase its issuance of Construction Drawings and Specifications to facilitate the same.

5.5 Cost and Constructability. Construction Manager shall work with Owner Parties to regularly estimate costs and analyze constructability of all major components and systems of the Work such that the Project's design and budget can timely develop together.

5.5.1 Cost Estimates. Construction Manager shall deliver and meet with Owner Parties to discuss detailed estimates of the Contract Sum, and updates to those detailed estimates, in accordance with this Agreement and on the dates set forth in the Project Schedule. Construction Manager's cost estimates shall use recognized and accepted industry techniques. In the event Construction Manager's cost estimate exceeds its applicable Target GMP, Construction Manager shall meet with Owner Parties to discuss changes and review alternatives necessary to establish a mutually acceptable GMP.

Upon request, Construction Manager shall estimate the costs of alternative designs or Materials to determine preliminary budgets and their possible economies, including those necessitated by special procurement issues, as set forth in *Section 5.3.2* above.

5.5.2 Constructability Analysis. Construction Manager shall, throughout the Project, analyze the: (i) feasibility of construction methods; (ii) availability and selection of Materials, building systems, and equipment (iii) availability of labor; and (iv) time requirements for procurement and construction. Based on its analysis, Construction Manager shall deliver, and meet with Owner Parties to discuss, its formal opinion of the constructability of the major systems and components of the Work, promptly after Design Professional issues the Schematic Design Documents and the Construction Drawings and Specifications and in accordance with the Project Schedule. Construction Manager's formal opinion shall include a review of the types and quantities of labor required for the Work and its availability and shall include recommendations to minimize adverse effects of labor shortages.

5.6 Value Engineering. Construction Manager shall furnish Owner Parties with cost reduction and Value Engineering analysis on all significant cost components of the Project by conducting a series of Value Engineering workshops during the Schematic Design Documents phase and the GMP Development process. Construction Manager shall prepare and distribute to the Project Development Team a formal Value Engineering report following each such workshop. In addition, throughout the Project, Construction Manager shall deliver to Owner Parties detailed, supported, Value Engineering proposals whenever Construction Manager or Owner Parties deem it prudent.

5.7 Energy Analysis. Construction Manager shall cooperate with Owner Parties and maximize energy efficiency in the Project by proposing, supporting, and estimating costs associated with energy related incentive programs with every construction cost estimate and as Owner Parties may request.

5.8 1% Art Program. If applicable, Construction Manager shall work with Owner Parties to incorporate into the Project's design and construction works of art from the Project's 1% for Art program. Construction Manager's costs to handle and install such art are properly included in Cost of

the Work. However, cost of the included art objects themselves, is not a Cost of the Work, and is not otherwise part of the GMP.

5.9 Schematic Design Documents Phase. Design Professional shall deliver to Construction Manager Schematic Design Documents on or before the applicable dates set forth in the Project Schedule.

Within fourteen (14) Days after Construction Manager receives Schematic Design Documents, Construction Manager shall deliver, with supporting data, and meet with Owner Parties to discuss, its revised cost estimate developed from those Schematic Design Documents and meet with Owner Parties to discuss the same. Construction Manager and Owner Parties shall diligently work to reconcile questions, gaps, and disagreements in the cost estimate.

If Construction Manager's reconciled Schematic Design Documents cost estimate exceeds the applicable Target GMP, Construction Manager shall promptly furnish Owner Parties with Value Engineering proposals that will cause the estimate to meet or be less than that Target GMP. Construction Manager and Owner Parties shall then meet to discuss such Value Engineering proposals and Construction Manager shall promptly recalculate its cost estimate incorporating any proposed changes Owner Parties select. Notwithstanding Construction Manager's estimate exceeding the Target GMP, Owner may, in its sole discretion, accept or reject any proposed changes.

Within twenty-one (21) Days after Construction Manager receives the Schematic Design Documents, and based on the outcome of the cost estimating process in *Section 5.5* above, Construction Manager shall meet with Owner Parties to deliver its Project scheduling, Project phasing, and constructability advice, analysis, and deliverables, all in accordance with *Sections 5.3, 5.4, and 5.5*, above. Construction Manager shall also suggest modifications to the Drawings and Specifications to improve their completeness and clarity.

5.10 Design Development Documents Phase. During design development, the Project Development Team shall meet weekly to review the Drawings and Specifications and discuss any material modifications from those previously issued.

Design Professional shall deliver to Construction Manager Design Development Documents on or before the dates set forth in the Project Schedule.

Within fourteen (14) Days after Construction Manager receives Design Development Documents, Construction Manager shall deliver, with supporting data, and meet with Owner Parties to discuss, its revised cost estimate incorporating the applicable Design Development Document information, and updating and refining, the applicable reconciled Schematic Design Document cost estimate (from *Section 5.9* above). Construction Manager and Owner Parties shall diligently work to reconcile questions, gaps, and disagreements in such estimate.

If Construction Manager's Design Development cost estimate exceeds the applicable Target GMP, Construction Manager shall promptly furnish Owner Parties with Value Engineering proposals that will cause the estimate to meet or be less than that Target GMP. Construction Manager and Owner Parties shall then meet to discuss such Value Engineering proposals and Construction Manager shall promptly recalculate its cost estimate incorporating any proposed changes Owner Parties select. Notwithstanding Construction Manager's estimate exceeding the Target GMP, Owner may, in its sole discretion, accept or reject any proposed changes.

Within twenty-one (21) Days after Construction Manager receives Design Development Documents, and based on the outcome of the cost estimating process in *Section 5.5* above, Construction Manager shall meet with Owner Parties to deliver its revised scheduling, phasing, and constructability advice, analysis,

and deliverables, updated from its applicable Schematic Design Document phase deliverables set forth in *Section 5.9* above. Construction Manager shall also suggest modifications to the Drawings and Specifications to improve their completeness and clarity.

5.11 GMP Development.

5.11.1 GMP Drawings and Specifications Detail Requirements. Construction Manager and Owner Parties shall meet on or before the applicable date set forth in the Project Schedule to develop a mutual understanding of the necessary GMP Drawings and Specifications content to enable Construction Manager to deliver to Owner an accurate GMP proposal for the applicable Deliverable Portion of Work. Such GMP Drawings and Specifications detail requirements shall be agreed-to in writing, signed by Construction Manager, Design Professional, and Owner, and shall be attached to the applicable GMP Amendment. The GMP Drawings and Specifications shall meet or exceed those GMP Drawings and Specifications detail requirements.

5.11.2 GMP Development Process. Design Professional shall deliver to Construction Manager on or before the date set forth in the Project Schedule, the GMP Drawings and Specifications and the Design Professional's Statement of Incomplete Documents, for the applicable Deliverable Portion of Work (collectively, the "GMP Documents").

Owner Parties and Construction Manager shall include in the GMP Documents, Work that shall be priced, scheduled, and included in the Contract Documents, as an Alternate, and Work that shall be priced, scheduled, and included in the Contract Documents, as an Allowance. The Alternate Schedule shall include the required start dates for each Alternate, and the sequencing priority of implementing each Alternate.

Within fourteen (14) Days after receipt of the GMP Documents and in accordance with the Project Schedule, Construction Manager shall submit to Owner Parties its proposed GMP and its proposed GMP Qualifications and Assumptions (collectively, the "GMP Proposal"), all based upon the applicable GMP Documents, on the form GMP Amendment attached as *Exhibit D*.

Construction Manager acknowledges and agrees the GMP Drawings and Specifications may require further substantial development at the time Construction Manager prepares its GMP Proposal, and that its GMP Proposal takes into account such further development.

Construction Manager shall include in each such GMP Proposal, Alternate pricing and Allowance pricing, applicable to the Deliverable Portion of Work for which the GMP Proposal is issued. By including an Allowance in a GMP Proposal, Construction Manager represents and warrants it is a reasonable estimate of the Cost of the Work of such Allowance, based on Construction Manager's best skill and judgment, based on Drawings and Specifications that are sufficiently detailed to make such an estimate. Each Alternate's and Allowance's pricing shall remain valid from the date Construction Manager issues its final GMP Proposal through the date of Final Completion of the applicable Deliverable Portion of Work containing each such Alternate or Allowance unless, in the case of an Allowance, Construction Manager develops a final price for that portion of the Work included in such Allowance, in which case that final price shall remain valid through the date of Final Completion of the applicable Deliverable Portion of Work.

Within ten (10) Days after Construction Manager delivers a GMP Proposal, Construction Manager shall submit to Owner Parties its Work plan for the applicable Deliverable Portion of Work.

Within fourteen (14) Days after Owner receives a GMP Proposal, the Project Development Team shall meet to reconcile its questions, gaps, and disagreements pertaining to any part of the GMP Documents and the GMP Proposal, and shall agree in writing to the GMP Proposal's final form. Following the Project

Development Team's meeting and on or before the date set forth in the Project Schedule, Construction Manager shall submit to Owner Parties its final, reconciled, and signed, GMP Proposal. Upon Owner's approval and signature, that final GMP proposal shall become a GMP Amendment and shall be revised only by Change Order.

Each GMP Amendment shall include a Guaranteed Substantial Completion Date for the applicable Deliverable Portion of Work as updated and set forth in the Project Schedule.

Notwithstanding anything to the contrary contained in the Contract Documents, unless and until the Parties enter into a GMP Amendment, Construction Manager's rights, including to payment, under the Contract Documents shall be limited to only its preconstruction phase services and Early Work set forth in an Early Work Amendment.

5.12 Construction Documents Phase.

5.12.1 Construction Drawings and Specifications Development. Construction Manager and Owner agree Design Professional will deliver Construction Drawings and Specifications for each Deliverable Portion of Work after the GMP Amendment for that Deliverable Portion of Work is issued, on or before the date set forth in the Project Schedule.

Within fourteen (14) Days after Construction Manager receives Design Professional's applicable Construction Drawings and Specifications, Construction Manager shall deliver, with supporting data, and meet with Owner Parties to discuss, its revised cost estimate incorporating the Construction Drawings and Specifications information, and updating and refining the reconciled Design Development Document cost estimate (from Section 5.10 above). Construction Manager and Owner Parties shall diligently work to reconcile questions, gaps, and disagreements in that estimate.]

If Construction Manager's Construction Drawings and Specifications cost estimate exceeds the applicable Target GMP, Construction Manager shall promptly furnish Owner Parties with Value Engineering proposals that will cause the estimate to meet or be less than that Target GMP. Construction Manager and Owner Parties shall then meet to discuss such Value Engineering proposals and Construction Manager shall promptly recalculate its cost estimate incorporating any proposed changes Owner Parties select. Notwithstanding Construction Manager's estimate exceeding the Target GMP, Owner may, in its sole discretion, accept or reject any proposed changes.

Within twenty-one (21) Days after Construction Manager receives Design Professional's Construction Drawings and Specifications for a Deliverable Portion of Work, and based on the outcome of the cost estimating process in Section 5.5 above, Construction Manager shall meet with Owner Parties to deliver its revised scheduling, phasing, and constructability advice, analysis, and deliverables, updated from its Design Development Documents phase deliverables set forth in Section 5.10 above. Construction Manager's advice shall specifically include during this phase Material selections. Construction Manager shall review specified Materials and shall promptly propose alternative materials of which Construction Manager is aware that may be the same or superior quality and more cost-effective. Construction Manager's proposals shall include written cost analysis of such alternative materials. Construction Manager shall review the Construction Drawings and Specifications, anticipating each bid package, to minimize gaps and overlap in the performance of the Work. Construction Manager shall also suggest modifications to the Construction Drawings and Specifications to improve their completeness and clarity. During its review of the proposed Construction Drawings and Specifications, if Construction Manager recognizes portions that fail to conform to Applicable Laws, Construction Manager shall promptly notify Owner Parties in writing.

5.12.2 Bidding and Commencement Preparation. Construction Manager shall recommend to Owner Parties phasing and prioritization of the Project and the Work based on its

preconstruction services and the Contract Documents and plan in written detail its expected construction activities, division of Work, and bidding and awarding of Subcontracts.

Construction Manager shall plan, in writing and through drawings as appropriate, the Project's Site coordination, including staging and storage areas, and rules applicable to Site operations.

Construction Manager shall recommend a schedule for and, if Owner requests, aid in delivery of, Owner-Supplied Equipment and Materials, including those items requiring special procurement, as set forth in *Section 5.3.2* above.

Construction Manager shall confirm all Construction Drawings and Specifications: (a) coordinate separate Subcontractors' Work, (b) are assigned to the appropriate trade, (c) minimize the likelihood of jurisdictional disputes, and (d) allow for phased construction if and when applicable.

Construction Manager shall prepare and submit to Owner Parties Subcontractor and Supplier bidding information, instructions to bidders, bidding forms, special conditions, forms of Subcontract, and other bidding documents, incorporating those portions of Construction Drawings and Specifications applicable to a Subcontract into each bid package. Construction Manager shall also include in the appropriate bid packages all Alternates and Allowances of the GMP Documents properly divided among applicable Subcontracts.

Until Design Professional issues Construction Drawings and Specifications (which are predicated on Owner's approval) for each Deliverable Portion of Work, Construction Manager shall continually review the Drawings and Specifications for that Work as they are being prepared, and recommend alternative solutions when it finds improvements to construction feasibility, cost, or schedule.

Construction Manager acknowledges and agrees its involvement in the planning and preparation of the Project, in accordance with the Contract Documents, will be sufficient to understand its nature, scope, and details. Therefore, Construction Manager shall make no Claim for an increase in a GMP based upon Construction Drawings and Specifications; provided, however, there is no cardinal change to the scope of the Work that is not otherwise captured by the GMP Qualifications and Assumptions.

Unless Owner Parties otherwise direct or the Contract Documents otherwise require, Construction Manager shall obtain all permits, licenses, and approvals for the Work, including building, Site development, shoring and excavation, and utilities, as required by Governmental Authorities and customarily obtained by construction contractors.

ARTICLE 6

SUBCONTRACTS AND OTHER SERVICES

6.1 General Subcontracting Requirements. For purposes of this *Article 6* the term "Subcontractor" shall include the term "Supplier." Construction Manager shall Subcontract all Work unless otherwise provided in *Section 6.6*.

Construction Manager shall confirm Design Professional has issued the Construction Drawings and Specifications for each Subcontract bid package and that (a) the Work of separate Subcontracts is coordinated and assigned to the appropriate trade and (b) phased construction (if any) is properly coordinated. Construction Manager shall divide the Work in accordance with Applicable Laws to facilitate phasing, bidding, and award of contracts, considering such factors as bidding climate, schedule, minimizing trade jurisdictional disputes, and related issues.

Construction Manager shall assure that the Work under all Subcontracts, when taken together, will be complete and sufficient for the entire construction of the Project as required by the Contract Documents.

Unless otherwise set forth in this *Article 6*, Subcontractors shall be selected by competitive bidding in a manner that will not encourage favoritism or substantially diminish competition. While not subject to the competitive procurement requirements of ORS Chapter 279C, Construction Manager's process shall conform to the procedures of this *Article 6*, in general compliance with the open and competitive nature of public procurement, taking into account standard industry subcontracting practices.

Construction Manager shall submit to Owner Parties its proposed procurement documents for review and comment prior to solicitation, including its proposed bidding plan, which shall clearly divide the Work and include a schedule for bidding Subcontracts. In no event shall Construction Manager divide the Work such that a bid package will fail to attract reasonable Subcontractors' bids. Construction Manager shall consider and respond to all Owner Parties' comments regarding any proposed bid packages.

As part of its procurement plan, Construction Manager may develop, with Owner's prior approval, a prequalification process for particular solicitations (a "Prequalification Plan").

Construction Manager's Subcontracting records are not intended to be considered public records; provided, however, that Owner and other agencies of the State shall retain the right to audit and monitor the Subcontracting process to protect Owner's interests.

Construction Manager's use of Subcontractors shall not relieve Construction Manager of any of its obligations or liabilities under the Contract Documents. Construction Manager shall have sole responsibility for managing, coordinating, and settling disputes involving any Subcontractor.

6.2 Subcontractor Interest. Construction Manager shall develop Subcontractor interest in the Project and shall furnish Owner Parties with a list of possible Subcontractors for each principal portion of the Work (the "Potential Subcontractor List"). Construction Manager's submission of the Potential Subcontractor List is for information and discussion only and is not for Owner Parties' prequalification. Owner's receipt of the Potential Subcontractor List shall not require Owner Parties to investigate, and shall not waive Owner Parties' right to reject, the qualifications of any Subcontractors.

Construction Manager shall furnish Owner Parties with information and advice concerning current construction market bidding conditions and shall advise Owner Parties of subcontracting opportunities with certified diverse businesses.

Construction Manager shall advertise Subcontractor solicitations at least ten (10) Days prior to opening bids in the Daily Journal of Commerce and at least one other newspaper specifically targeted to reach the certified diverse business community. Construction Manager shall also advertise in a local community newspaper in the Project's area, in order to allow for local Subcontractor participation.

Construction Manager shall comply with OSU Business Inclusion and Diversity Program as set forth in OSU Standard 03-010.

Construction Manager shall document all discussions with, questions received from, and answers and responses given to, any firm from which Construction Manager expects to receive a bid or proposal for the Project, prior to its receipt of the same. Construction Manager shall ensure that any information it provides that might affect other potential Subcontractors is shared with all interested parties prior to the required submittal date. Owner Parties shall be entitled to inspect all such documentation on request.

6.3 Bidder Qualifications. For each bid package, Construction Manager shall submit to Owner Parties for approval, a proposed list of qualified bidders. All proposed Subcontractors shall be reputable and qualified firms, each with a sufficient record of successful performance of work similar to that Work for which they are proposed. All potential Subcontractors who by Applicable Law must be qualified and registered, shall be, and shall meet the State of Oregon Construction Contractors Board's requirements to perform work.

Owner shall have the right to approve or disapprove, in its reasonable discretion, any proposed bidder on the Potential Subcontractor List and shall inform Construction Manager of the same within ten (10) days after Owner Parties' receipt of the Potential Subcontractor List. However, Owner's right to approve proposed bidders shall not be construed to relieve Construction Manager of its responsibility to propose and select qualified Subcontractors, and ensure their adequate performance of the Work, all in accordance with the Contract Documents' requirements.

6.4 Subcontractor Selection. After Construction Manager and Owner have agreed to potential bidders from the Potential Subcontractor List (the "Qualified Bidders"), Construction Manager shall solicit from such Qualified Bidders at least three (3) competitive bids or proposals for each Subcontract. If Construction Manager is unable to solicit three (3) or more competitive bids or proposals for a division of Work, Owner's prior written approval shall be required to accept any bid or proposal for that Work.

If Owner approves a Prequalification Plan, Construction Manager may award Subcontracts to firms meeting the Prequalification Plan's standards, with Owner's prior written approval.

6.4.1 Unless Owner otherwise approves in writing, all Subcontract bids and proposals shall be in writing, submitted to a specific location at a specific time. Construction Manager shall time-stamp all bids and proposals when received.

6.4.2 Construction Manager shall coordinate and conduct the bid or proposal opening process. Owner Parties shall have the right, but not the obligation, to be present for all bid and proposal openings, scope review meetings, and negotiations, and shall have access to all submission materials in Construction Manager's possession.

6.4.3 Prior to award, Construction Manager shall: (i) prepare and deliver to Owner Parties a bid tabulation in a mutually agreeable form clearly comparing such bids and proposals, together with any specific back-up documentation Owner requests; (ii) review the apparent low bids and proposals and (iii) work with the firms offering the same to clarify, reduce exclusions, verify scope and quantities, and seek to minimize potential Change Orders and Claims.

6.4.4 Construction Manager shall determine the lowest bid for each solicitation that meets the requirements of this *Article 6* and Construction Manager's reasonable performance standards; provided, however, if Construction Manager is unable to enter into a suitable Subcontract with a low bidder, Construction Manager may, with Owner's prior written approval, Subcontract with the second-lowest bidder pursuant to *Section 6.4.5* below.

6.4.5 Under special circumstances and only with Owner's prior written authorization, Construction Manager may be permitted to Subcontract on a basis other than low price, including by competitive negotiation. Examples of such special circumstances include when there are single fabricators of specified Materials, special packaging requirements for Work, design-build Work, and where an alternative contracting method can be demonstrated to clearly benefit Owner and the Project. As a condition to such authorization, Owner may require that Construction Manager agree to establish and implement qualification and performance criteria for Subcontractors in these circumstances, including a scoring system within requests for proposals.

6.4.6 Owner Parties shall have the right, but not the obligation, to monitor Construction Manager's competitive Subcontract award process. Construction Manager shall cooperate in all respects with Owner Parties' monitoring. Owner Parties' monitoring shall not excuse Construction Manager from complying with the Contract Documents' requirements.

6.4.7 Notwithstanding anything to the contrary contained in this *Article 6*, Owner may, at its sole discretion, require Construction Manager re-solicit Subcontract bids and proposals.

6.4.8 Construction Manager shall, and require Subcontractors to, comply with all prevailing wage requirements including State of Oregon Bureau of Labor & Industries prevailing wage rates and Davis-Bacon federal wage rates as and when applicable to the Work. In the event both state and federal rates apply to the same Work, the higher rate requirements shall control.

6.4.9 Construction Manager shall indemnify, defend, and hold harmless, Owner Parties, from and against any Subcontractor claim that arises due to Construction Manager's failure to incorporate the relevant terms of this *Article 6* and other necessary provisions of the Contract Documents in each Subcontract.

6.4.10 Construction Manager shall not alter any material term or condition of a Subcontract without Owner's prior written consent.

6.5 Subcontractor Protests. Construction Manager shall include in its competitive Subcontracting process subject to Owner Parties' approval a protest procedure. Construction Manager shall be solely responsible for resolving Subcontract procurement protests and shall act as an independent contractor, not Owner's agent, in connection with all such procurement protests.

Construction Manager shall indemnify, defend, and hold harmless, Owner Parties, from and against all such procurement protests and resulting claims and Claims.

The provisions of this *Section 6.5* solely benefit Owner and do not grant rights or remedies to any Subcontractor or other protester.

6.6 Self-Performed Work.

6.6.1 Limitation on Self-Performed Work. Neither Construction Manager nor any Affiliate shall bid on or propose any Subcontract bid package except to the extent Owner approves the same in writing, in advance. If Owner so approves, Construction Manager or its Affiliate, as the case may be, shall be subject to this *Section 6.6*. To qualify to Self-Perform Work, Construction Manager and its Affiliates: (i) must be performing at least fifty percent (50%) of the labor of such Work through its own respective employees; (ii) shall maintain strict separation of personnel involved with bidding and proposing the Self-Performed Work from all of Construction Manager's other personnel involved in the Project, including prohibiting communication prior to award, except for ordinary communication permitted of all bidders and proposers; (iii) shall not allocate any of the Self-Performed Work so that it is paid out of the General Conditions Work Cost Limit; and (iv) shall not use any of the Construction Contingency to pay for the Self-Performed Work.

Notwithstanding anything to the contrary in the Agreement, if a portion of Work that is proposed as Self-Performed Work receives fewer than two bids or proposals from responsible bidders or responsible proposers other than Construction Manager or its Affiliate, Owner may disqualify that portion of Work from Self-Performed Work eligibility and Owner may cause such Work to be solicited again.

Any rejection of a bid or proposal or required re-solicitation under this *Section 6.6.1* shall not be the basis for an increase to the GMP in any GMP Amendment or adjustment to the Project Schedule or Construction Schedule.

6.6.2 Bidding Procedure. Construction Manager or its Affiliate, as the case may be, shall submit a sealed bid for Self-Performed Work pursuant to the procedures applicable to all Subcontractors in this *Article 6*; provided, however (a) Construction Manager shall nevertheless solicit Subcontractor bids for its proposed Self-Performed Work and (b) Construction Manager must publicly announce its, or its Affiliate's, intent to submit a bid for such Work when it publishes those solicitation materials. Construction Manager or its Affiliate must also submit its bid for Self-Performed Work directly to Owner Parties in a sealed envelope in advance of the deadline for Subcontractors to submit their bids for that Work.

Owner Parties shall manage the bidding process for Work that Construction Manager or its Affiliate proposes to Self-Perform, including the opening, review, and advice concerning award of, bids from potential Subcontractors. Construction Manager shall not participate in the analysis of such bids or recommend awarding the Subcontract for any Self-Performed Work. Construction Manager shall forward copies of all inquiries it receives for such Work from potential Subcontractors.

6.6.3 Self-Performed Work Fee. Construction Manager shall be entitled to Construction Manager's Fee on the Cost of the Work of approved Self-Performed Work, subject to the applicable provisions of the Contract Documents.

6.6.4 Waived Bidding. Owner may waive in writing the Self-Performed Work bidding and proposal requirements set forth in *Section 6.6*. In that event, Construction Manager or its Affiliate shall have: (i) procured all necessary Government Approvals to commence the Self-Performed Work; (ii) an Owner-approved GMP for the Self-Performed Work, including its applicable General Conditions Work costs; and (iii) an Owner-approved Construction Schedule for the Self-Performed Work. Owner shall pay for all Self-Performed Work labor at Construction Manager's or its Affiliate's cost as verified by actual labor rates, including from certified payrolls, and all Self-Performed Work equipment at pre-approved rates, all subject to the Self-Performed Work GMP.

6.7 Construction Manager's Field Work. Construction Manager or its Affiliate may self-perform Construction Manager's Field Work. Any other Work that Construction Manager or its Affiliate wishes to self-perform shall be subject to the requirements for Self-Performed Work in accordance with *Section 6.6* above.

6.8 Early Work. Construction Manager and Owner may enter into one or more Early Work Amendments identifying specific Work that shall be performed prior to the Project's first GMP Amendment and subject to a not-to-exceed budget and price for the relevant Cost of the Work stated in such Early Work Amendment. Construction Manager shall be paid the Cost of the Work for all executed Early Work plus Construction Manager's Fee for such Work. All Early Work shall be performed and Owner shall pay for the same in accordance with the terms of the Contract Documents and the terms of the applicable Early Work Amendment.

Prior to commencing any Early Work: (i) Design Professional shall have issued Construction Drawings and Specifications for that Early Work; (ii) Governmental Approvals necessary to commence such Early Work shall have been issued; (iii) Construction Manager shall have submitted, for Owner Parties' review and approval, a Construction Schedule and cost estimate for the Early Work; (iv) Construction Manager shall have selected Subcontractors to perform the Early Work in accordance with *Section 6.4*; and (v) Owner Parties shall have issued a Notice to Proceed with the Early Work.

The Cost of the Work for all Early Work shall be included in the GMP of the applicable GMP Amendment and Construction Manager's obligation to develop its GMP Amendments shall not be deferred or waived by any Early Work Amendment.

6.9 Specialty Subcontractor Packages.

6.9.1 Specialty Services. Owner Parties may designate certain portions of the Project as Design-Assist or Design-Build. If so designated, such Design-Assist or Design-Build, as the case may be, shall proceed in two phases – the design phase and the construction phase – each authorized by a separate Notice to Proceed.

If Owner Parties require Design-Assist or Design-Build services, Construction Manager shall provide such services through an applicable Subcontractor (the “Specialty Subcontractor”) for the fixed lump-sum price set forth in its accepted bid, procured in accordance with the Subcontracting process set forth in this *Article 6*. In the design phase, Specialty Subcontractor shall provide its preconstruction and design services to the Project Development Team. In the construction phase, Specialty Subcontractor shall perform its applicable Work as set forth in its Subcontract and the Construction Drawings and Specifications.

Ownership of all documents and intellectual property a Specialty Subcontractor prepares for the Project, including reports, schedules, designs, drawings, and specifications, (“Specialty Subcontractor’s Work Product”), shall transfer to Owner if Owner so requests. In any event, each Specialty Subcontractor shall unconditionally and irrevocably transfer and assign to Owner a non-exclusive, royalty-free license and right to use Specialty Subcontractor’s Work Product for anything associated with the Project, including construction, maintenance, and marketing.

6.9.2 Design Phase. During its design phase, Specialty Subcontractor shall meet with Construction Manager and Owner Parties as requested to coordinate preparation of the Construction Drawings and Specifications. During those meetings, Specialty Subcontractor shall furnish the Project Design Team with recommendations for: (i) construction feasibility; (ii) Materials and labor availability, including analysis of the types and quantities of labor required for the applicable trade work; (iii) procurement and lead-time, and (iv) other cost-reduction measures, including Value Engineering.

Specialty Subcontractor shall work with the Project Development Team to design the relevant portions of the Work, through approval of the Construction Drawings and Specifications, to ensure the cost of such Work shall be at most equal to its awarded bid price.

Specialty Subcontractor shall promptly notify the Project Development Team of any material changes to quantities or qualities that affect the cost or schedule included in its bid and shall provide detailed information of such changes for Owner Parties’ and Construction Manager’s review.

6.9.3 Construction Phase. Upon completion of its design phase, if Owner determines in its sole discretion Specialty Subcontractor has satisfactorily met its obligations, including maintaining or reducing its bid price, Owner Parties will issue to Specialty Subcontractor a Notice to Proceed with its construction phase services. At the time of the issuance of the Notice to Proceed for the construction phase, Specialty Subcontractor shall furnish payment and performance bonds in the full amount of its Subcontract price for the Work.

If Owner determines in its sole discretion Specialty Subcontractor has not satisfactorily met its obligations, Owner may require Construction Manager terminate Specialty Subcontractor’s Subcontract without cause. In the event its Subcontract is so terminated, Specialty Subcontractor shall be entitled to payment for the services it has performed up to the date of termination.

6.9.4 Scope of Work. Unless otherwise set forth in the Contract Documents, Construction Manager shall provide and pay for labor, Materials, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services, necessary for proper

execution and completion of the Work, whether temporary or permanent, and whether or not incorporated or to be incorporated in the Work.

6.9.5 Substitutions. When a material or system is specified in the Contract Documents, Construction Manager may make substitutions only in accordance with *Article 10* of the General Conditions.

ARTICLE 7

PAYMENT

7.1 **Contract Sum**. Subject to the terms of the Contract Documents, Owner shall pay Construction Manager the Contract Sum, which shall equal the sum of the Cost of the Work and the Construction Manager's Fee, but which shall not exceed the Project GMP. Construction Manager shall bear, without Owner's reimbursement, all costs in excess of (a) the Project GMP; (b) Cost of the Work for a Deliverable Portion of Work in excess of the GMP for that Work; and (c) General Conditions Work costs for a Deliverable Portion of Work in excess of the General Conditions Work Cost Limit for that Work.

7.2 **Preconstruction Services**. Owner shall pay Construction Manager, subject to the Preconstruction Services Cost Limit, for Construction Manager's preconstruction services in accordance with the terms of *Exhibit E*. Construction Manager shall bear, without Owner's reimbursement, costs exceeding the Preconstruction Services Cost Limit. Owner's payments to Construction Manager for its preconstruction services is not subject to and shall not include Construction Manager's Fee.

Notwithstanding anything to the contrary in the Contract Documents, unless Owner and Construction Manager otherwise agree in writing, Construction Manager shall be entitled to no payment for preconstruction services pertaining to a Deliverable Portion of Work after signing the GMP Amendment for that Deliverable Portion of Work.

7.3 **Alternates**. Owner shall approve each Alternate by Change Order in accordance with *Section 10.3* of the General Conditions. Unless so approved, Construction Manager shall not proceed with an Alternate. If Owner approves one or more Alternates, payment for such approved Alternates shall be included in Construction Manager's applicable Applications for Payment in accordance with *Section 7.10*.

7.4 **Allowances**. Construction Manager shall promptly develop and deliver to Owner Parties a final price for each of its Allowances after the Contract Documents pertinent to each such Allowance are completed. If Construction Manager's final price exceeds an Allowance, Owner will elect to: (a) issue a Change Order increasing the applicable GMP by an amount to which Owner and Construction Manager agree for the Work of that Allowance, or (b) cause Design Professional, with Construction Manager's assistance, to redesign the Work of that Allowance, including Work ancillary to the Work of the Allowance, such that the applicable GMP will not be exceeded.

If Construction Manager's final price is less than an Allowance, Construction Manager and Owner will promptly issue a deductive Change Order to the applicable GMP and Construction Manager's Fee will be reduced accordingly.

In the event some of Construction Manager's final prices exceed, and others are less than, their applicable Allowance prices, Owner may offset such prices to reduce or eliminate the number of Change Orders otherwise necessary due to all of those Allowances.

7.5 Cost of the Work. The “Cost of the Work” shall include only the items specifically identified below, that Construction Manager necessarily incurs in the proper performance of the Work.

7.5.1 General Conditions. Costs of all General Conditions Work, subject to the General Conditions Work Cost Limit; provided, however, the cost of General Conditions Work pertaining to any Subcontract shall not be Cost of the Work if such costs are paid pursuant to that Subcontract.

General Conditions Work costs include:

.1 *Administrative Expenses.* Construction Manager’s incurred costs to employ supervisory and administrative personnel when stationed at the Site, all as set forth on *Exhibit C.* Construction Manager’s reasonable, customary, travel expenses and per diem subsistence costs incurred performing the services and the Work, not including daily travel to and from the Site; office costs incurred at the Site including telephone service, long distance telephone calls, Progress Report photography services, office equipment, office supplies; document reproduction and delivery expenses; and reasonable petty cash expenses incurred solely for the benefit of the Work.

.2 *Compliance and Permitting.* Costs incurred complying with Applicable Laws, including permits, licenses, and inspections required by the Contract Documents, unless those costs arise from penalties, additional expense, or corrective actions due to acts or omissions that first failed to meet Applicable Laws.

.3 *Temporary Facilities.* Costs of heat, power, lighting, and water consumed at the Site during performance of the Work, costs of temporary facilities and protection incurred during performance of the Work, and costs incurred storing Materials and equipment to be incorporated into the Project.

.4 *Transportation.* Costs incurred to handle, ship, erect, and dismantle construction equipment at the Site.

7.5.2 Subcontracts. Costs incurred in connection with Work performed and Materials and equipment provided pursuant to Subcontracts; provided, however, no amount other than the express pricing of each Subcontract shall be included in the Cost of the Work and no amount of bond premiums unless Owner authorizes such costs in advance.

7.5.3 Self-Performed Work. Incurred costs of Construction Manager’s Field Work and incurred costs of Construction Manager’s Self-Performed Work for those bids and proposals accepted by Owner in writing, subject to the provisions of *Section 6.6* above.

7.5.4 Change Order Personnel Expenses. Change order costs incurred due to the personnel who are directly engaged in the Project at the labor rates set forth in *Exhibit F.*

7.5.5 Equipment and Materials. Direct costs incurred, without mark-up, of Materials and equipment Construction Manager purchases directly, including their transportation and storage costs, subject to the terms of the General Conditions.

7.5.6 Rentals and Tools. Direct industry-standard costs incurred, without mark-up, of rental charges of all customary machinery, equipment, and facilities used at the Site, and their ancillary costs incurred including transportation, installation, minor repairs, replacements, dismantling and removal. Rates and quantities of such machinery, equipment, and facilities rented shall conform to industry standards, shall not exceed (a) one hundred percent (100%) of the rental rates published in the Rental Rate Blue Book for Construction Equipment, prepared by Machinery Information Division of Primedia Information Incorporated, in effect at the time of rental and (b) acquisition costs of that equipment. Notwithstanding the foregoing, Owner parties must give Construction Manager prior

approval in writing for individual rental items exceeding ten thousand dollars (\$10,000) (the "Rental Cost Threshold").

.1 In the event Construction Manager requests to rent an item exceeding the Rental Cost Threshold, Construction Manager shall furnish Owner Parties with a reasonable rent/buy analysis, containing customary terms and rates, so that Owner may elect to cause Construction Manager to procure the item in lieu of rental, solely at Owner's option.

.2 Machinery, equipment, and facilities that Construction Manager owns but rents for or to the Project, shall be rented at rates consistent with the then-current lowest prevailing market rental cost in the Project's locality.

.3 In addition, rental and tool costs shall include (a) the full cost of tools incurred, without mark-up, based on purchase price for new and fair market value for previously-used, that are fully consumed in the performance of the Work and (b) the full cost of tools incurred, without mark-up, based on purchase price for new and fair market value for previously-used, less the salvage value of those tools not fully consumed; provided, however, Owner may at its option, pay the full cost of such unconsumed tools and require that Construction Manager deliver to Owner the same at the end of the Project.

7.5.7 Equipment Operation, Maintenance and Repair. Ordinary costs incurred operating, maintaining, and making minor repairs to Construction Manager's owned and rented equipment. Costs incurred making major repairs or those that are abnormal shall not be Cost of the Work.

7.5.8 Emergencies. Costs incurred to prevent or combat damage, injury, or loss, due to emergencies affecting the safety of persons or property.

7.5.9 Correcting Defective Work. Subject to the terms of the Contract Documents, actual, direct costs incurred correcting Defective Work, whether damaged or otherwise, not caused by a Subcontractor, Sub-subcontractor, Supplier, or Construction Manager, and not resulting from Construction Manager's failure to meet its Contract Document requirements; provided, however, requisite or otherwise available insurance or bonds would not cover such costs.

7.5.10 Cleaning. Cost incurred removing rubbish from the Site.

7.5.11 Laboratory Fees. Laboratory fees incurred and costs of testing incurred due to the Contract Documents' requirements.

7.5.12 Royalties and License Fees. Costs incurred due to royalties and user-licenses arising from or related to the Work.

7.5.13 Taxes. Taxes, fees, and assessments Construction Manager incurs directly due to its performance of the Work, but not franchise taxes, taxes based on net income or taxes based on commercial activity; provided, however, sales tax on equipment and Materials incorporated into the Project shall not be included so long as Owner, prior to Construction Manager's purchase of such equipment and Materials, furnishes Construction Manager with a sales tax exemption certificate.

7.5.14 Bonds. Construction Manager's bond premiums incurred pursuant to the Contract Documents' requirements. Construction Manager shall require each Subcontractor to separately identify its bond costs and Construction Manager shall document those costs separately for Owner Parties' review.

7.5.15 RESERVED.

7.5.16 Miscellaneous Cost Items. Miscellaneous expenditures not otherwise identified above as Cost of the Work and incurred due to Work performed; provided, however, Owner has approved each such expenditure prior to it being incurred.

7.6 Not Cost of the Work. The following costs are not Cost of the Work:

7.6.1 Preconstruction Services. Costs arising from or related to preconstruction services.

7.6.2 General Conditions. General Conditions Work costs not payable as Cost of the Work including:

.1 *Costs in Excess of General Conditions Work Cost Limit*. Costs arising from or related to the General Conditions Work in excess of the General Conditions Work Cost Limit.

.2 *Administrative Expenses*. Construction Manager's personnel and office costs other than those set forth above.

.3 *Overhead and General Expenses*. Construction Manager's overhead costs and general expenses of doing business, except as expressly set forth above.

.4 *Special Compensation*. Merit, incentive, and bonus payments, except as set forth above.

7.6.3 Costs in Excess of GMP. All costs in excess of the GMP (as the same may be increased or decreased by Change Order from time to time) applicable to such costs.

7.6.4 Construction Manager's Capital: Construction Manager's capital expenses arising from or related to the Project.

7.6.5 Negligence; Infidelity; Dishonesty: Losses, costs, and expenses due to (a) fault or negligence or (b) infidelity or dishonesty of Construction Manager, Subcontractors, Sub-subcontractors, Suppliers, or anyone directly or indirectly employed by any of them.

7.7 Other Limitations on Cost of the Work.

7.7.1 No Duplication. Notwithstanding the definition and categorization of Cost of the Work contained in this *Article 7* or elsewhere in the Contract Documents, there shall be no duplication of payment in the event a particular item can be categorized as more than one of the types of reimbursable Cost of the Work.

7.7.2 Overtime. Unless it is expressly set forth in a GMP Amendment, prior to Construction Manager's or Subcontractors' or Sub-subcontractors' or Suppliers' use of personnel in overtime to perform Work, Construction Manager shall give Owner notice and opportunity to comment and such overtime Work shall be implemented in a cost efficient manner. In no event shall costs of overtime exceed any GMP without approved Change Order to the applicable GMP Amendment.

7.7.3 Recoveries. If Construction Manager recovers from a source other than Owner, whether by payment, labor, materials, or otherwise, for Work that Owner has paid (e.g., a Subcontractor, an insurer, or a surety), Construction Manager shall credit Owner the value of such recovery.

7.7.4 Discounts. Construction Manager agrees to use best efforts to secure all discounts and rebates available to the Work. Cost of the Work shall be reduced by all such discounts and

rebates, which shall accrue exclusively to Owner; provided, however, Owner makes payment when needed to obtain such discounts and rebates.

7.7.5 Spare Materials. As set forth in *Section 4.13.5* of the General Conditions, the fair market value of Spare Materials and excess equipment shall accrue to Owner.

7.8 Construction Contingency; Subcontract Buy-Out. Each GMP shall include a preliminary "Construction Contingency" in an initial amount Owner and Construction Manager agree to and set forth in the applicable GMP Amendment. Each GMP Amendment's Construction Contingency shall be adjusted to reflect net savings ("Subcontract Savings") and net losses ("Subcontract Losses") after Subcontracts pertaining to the Work of that GMP Amendment are awarded and compared to the applicable Schedule of Values. Specifically, (a) Subcontract Savings shall be credited to and increase Construction Contingency by the amount of such savings and (b) Subcontract Losses shall be payable out of and reduce Construction Contingency by the amount of such losses. Net increases to a GMP Amendment's Construction Contingency after all Subcontract Savings and Subcontract Losses applicable to that GMP Amendment are applied ("Net Savings") shall be separately identified in the applicable Construction Contingency fund and subject to *Section 7.8.2* below. If the total of Subcontract Losses applicable to a GMP Amendment exceeds the balance of the Construction Contingency for that GMP Amendment, the excess Subcontract Losses shall be payable from Construction Manager's Fee. All Subcontract Savings and Subcontract Losses shall be updated and shown on each Progress Report.

7.8.1 Use of Funds. Subject to Owner Parties' prior written approval, Construction Manager may apply Construction Contingency funds to unexpected increases in Cost of the Work, including due to: (a) Construction Manager's Field Work; (b) unforeseen differences in the scope of the Work; (c) corrective Work due to Defective Work; (d) errors in estimating; (e) overtime expenses; (f) other errors or omissions not due to breach of the Contract Documents, and not due to negligence or willful misconduct; and (g) Subcontractor default if Construction Manager shows it took reasonable steps to cause each such defaulting Subcontractor or Subcontractor's surety to perform its Work; provided, however, requisite or otherwise available insurance would not cover such default.

In no event shall Construction Contingency funds be used to pay Liquidated Damages.

7.9 Construction Manager's Fee and Bonus.

7.9.1 Construction Manager's Fee. Subject to the GMP Amendments Total, "Construction Manager's Fee" shall be [X.XX%] of the Cost of the Work, not including any Construction Contingency funds and not including insurance deductibles.

7.10 Progress Payments.

7.10.1 Applications for Payment. Construction Manager shall prepare separate Applications for Payment for the Work of each Deliverable Portion of Work executed, in accordance with *Article 6* of the General Conditions, and this *Section*. Owner shall make progress payments as provided below and elsewhere in the Contract Documents.

7.10.2 Required Contents. Construction Manager shall include the following in each Application for Payment and each shall be a condition precedent to Owner's payment:

.1 *Schedule of Values*. An updated Schedule of Values showing all committed contracts and current expenses pertaining to the Work.

.2 *Percent Complete*. The percentage each portion of the Work is completed, as compared to and categorized in the Schedule of Values, as of the end of the period covered by such Application for Payment. The percentage of the Work that is completed in each Application for Payment shall be the lesser of (a) the percentage of Work

that has actually been completed and not rejected for the applicable Deliverable Portion of Work or (b) the percentage obtained dividing (i) Construction Manager's actual, incurred expenses, on account of the Work for which Construction Manager has made payment attributed to the applicable Deliverable Portion of Work, by (ii) the share of the GMP in the applicable GMP Amendment allocated to that Work, as set forth in the Schedule of Values.

.3 *Progress Report.* A current Progress Report, updated Project Schedule, and updated Construction Schedule for the Deliverable Portion of Work applicable to the Application for Payment, all in accordance with *Sections 4.6 and 5.3*.

.4 *Supporting Documents.* Supporting Documents and any other evidence Owner Parties reasonably require to demonstrate cash payments, all on account of Cost of the Work, equal to or exceeding: (a) progress payments Construction Manager has already received less that portion of those payments attributable to Construction Manager's Fee; plus (b) payrolls for the period covered by the present Application for Payment; plus (c) retainage as set forth in *Section 7.10.4*, if any, applicable to prior progress payments, less back-charges and credits pursuant to Construction Manager's Subcontracts.

Construction Manager shall include among its Supporting Documents a log of small tool acquisitions along with organized copies of receipts of all small tools purchased for the Project. Construction Manager shall also include in such log records of disposition of small tools whose selling price exceeds one hundred dollars (\$100). An up-to-date copy of such log shall accompany the final Application for Payment of each quarter of the year.

.5 *Statement of Furnishing.* A sworn statement identifying: (a) the names of all parties furnishing and the goods, labor, or services so furnished to the Project with a value in excess of [twenty-five thousand dollars (\$25,000)] during the time period of the applicable Application for Payment; (b) payments made to each party furnishing goods, labor, or services; and (c) amounts due and remaining amounts that are likely to become due to each party furnishing goods, labor, or services.

.6 *Claims Statement.* A statement expressly made to induce Owner's payment, detailing the Cost of the Work completed less retainage withheld, along with any Claims pertaining to that Work, sworn to by the Construction Manager and the Subcontractors, attesting to the satisfactory completion of the Work with qualifications pertaining to the Claims.

.7 *Lien and Bond Claim Waivers.* The partial waiver of liens and bond claims, in the form set forth on *Exhibit G*, of Construction Manager and all Subcontractors and their Sub-subcontractors and Suppliers who are listed in the immediately prior Application for Payment for which Construction Manager has received payment.

.8 *No Change Orders.* Construction Manager's statement certifying there are no Change Order requests or other claims for additional payment outstanding, or, if a Change Order request or claim for additional payment is outstanding, the amount of funds in issue, the name of the potential claimants, and a description of the pertinent Work.

7.10.3 Computation. Subject to other terms of the Contract Documents, progress payments shall be computed as follows:

.1 From the GMP set forth in the applicable GMP Amendment (the "Applicable GMP" in this *Article 7*), take that portion properly allocable to completed Work as determined by multiplying the percentage completion of the applicable Deliverable

Portion of Work by the share of the GMP allocated to that Work in the Schedule of Values. Pending final determination of cost to Owner of changes in the Work, amounts not in dispute may be included.

.2 Add that portion of the Applicable GMP properly allocable to Materials and equipment delivered, suitably stored, and in compliance with *Section 6.3.3* of the General Conditions, for the applicable Deliverable Portion of Work.

.3 In accordance with *Section 7.9.1* above, add that portion of Construction Manager's Fee properly allocable to completed Work as determined by multiplying Construction Manager's Fee percentage by the amounts determined in the two immediately preceding clauses.

.4 Subtract the sum of Owner's previous payments made on account of the applicable Work.

.5 Subtract any shortfall indicated in the documentation required by *Section 7.10.2* above to substantiate prior Applications for Payment, or resulting from errors subsequently discovered in such documentation.

.6 Subtract amounts, if any, Owner is entitled to withhold under the Contract Documents.

.7 Subtract retainage in accordance with *Section 7.10.4* below.

7.10.4 Review; Payment; Retainage.

.1 *Submittal.* Each Application for Payment shall cover one calendar month and shall be due on or before the final Day of each month.

On or before the **20th** Day of each month, Construction Manager shall submit to Owner Parties a draft Application for Payment, together with all applicable Supporting Documents. Owner Parties will review and comment on the draft Application for Payment and return the same to Construction Manager with comments and changes, if any, within three (3) Days. On or before the final Day of that month, Construction Manager shall submit to Owner Parties its Application for Payment, revised to reflect Owner Parties' comments and changes.

.2 *Payment.* Owner shall pay Construction Manager for the amounts in each approved Application for Payment, delivered pursuant to Owner's invoice delivery requirements, within **forty-five** (45) Days of its receipt of the same. Notwithstanding the foregoing, Construction Manager shall not be entitled to payment unless and until its applicable Application for Payment is approved by all of Owner's reviewing parties. In the event Owner fails to make payment within the time required under this Section 7.10.4, Construction Manager shall furnish Owner with ten (10) Days advance written notice as a condition precedent to exercising remedies, including those available under the Contract Documents. After receiving a payment, within the legal requirement for prompt payment or seven (7) Days, whichever is less, Construction Manager shall pay each Subcontractor amounts due and owing.

.3 *Retainage.* Retainage shall be withheld and released in accordance with this *Section* and *Section 6.5* of the General Conditions. Owner shall retain from all payments to Construction Manager five percent (5%) of each such payment as security for the Work, until such time as Owner may release retainage or approves a retainage substitute in accordance with the Contract Documents.

7.11 Final Payment.

7.11.1 Final Application for Payment Accounting. In addition to the requirements set forth in *Sections 6.3 and 6.7* of the General Conditions, Construction Manager shall submit to Owner Parties a detailed final accounting of the Cost of the Work together with its final Application for Payment for each Deliverable Portion of Work, including for all Work of the Project. Owner Parties and Owner's agents may review and report to Owner their findings concerning Construction Manager's final accounting (the "Final Accounting Report") within forty-five (45) Days after Owner receives such final accounting. Based upon substantiated amounts due, as set forth in the Final Accounting Report, and provided the other conditions of the Contract Documents have been met, Owner Parties will, within seven (7) Days after receiving the Final Accounting Report, make final payment to the Construction Manager.

7.11.2 Computation. Final payment shall be calculated as follows: (i) take the sum of Construction Manager's Fee paid on account of the applicable Work plus the actual Cost of the Work substantiated by Construction Manager's final accounting, less any amount in excess of the Applicable GMP or the GMP Amendments Total, as the case may be; (ii) subtract amounts, if any, Owner is entitled to withhold under the Contract Documents; (iii) subtract the amount of any unresolved Claims pertaining to that Work; and (iv) subtract the sum of Owner's previous payments made on account of the applicable Work.

However, notwithstanding the foregoing, if the Final Accounting Report indicates Owner's previous payments made on account of the applicable Deliverable Portion of Work exceed the total amount due Construction Manager for that Work, Construction Manager shall reimburse Owner within thirty (30) Days of such determination with interest at the rate set forth in *Section 14.2* of the General Conditions.

7.11.3 Payment Disputes. In the event the Final Accounting Report indicates Construction Manager is due less than amounts requested in its final Application for Payment or Owner otherwise withholds amounts, including because of purported failure of the Work to conform to the Contract Documents' requirements or due to unresolved Claims, and Construction Manager disagrees with any such nonpayment, Construction Manager shall have a Claim and shall proceed in accordance with *Article 12* of the General Conditions.

7.12 Interest. Owner shall pay Contractor interest for payable amounts overdue, which necessarily do not include retainage properly withheld, at the rate set forth in *Section 14.2* of the General Conditions. For purposes of this *Section*, overdue amounts shall be those due and unpaid for not less than forty-five (45) Days from the latest of (a) the date Owner received the accurate, complete, Application for Payment; or (b) the date Owner receives proper notice of a Claim for nonpayment of amounts due and owing.

ARTICLE 8

TIME

8.1 Time is of the Essence. Time is of the essence of this Agreement and of the Contract Documents. Dates and milestones established or shown in the Project Schedule or Construction Schedule shall not be altered except by Change Order.

8.2 Calculation of Time. If a required time period in this Agreement expires on a Day other than a business day, such time period shall be extended to the next succeeding business day.

8.3 RESERVED.

ARTICLE 9

TERMINATION

9.1 Termination Generally. Any termination of the Contract Documents shall be pursuant to and in accordance with *Article 13* of the General Conditions.

9.2 Termination Prior to GMP Amendment. In addition to the terms and conditions of *Section 13.2* of the General Conditions, in the event Owner terminates this Agreement for convenience prior to the first GMP Amendment to the Agreement, or after Final Completion of a Deliverable Portion of Work and before signing a subsequent GMP Amendment, Construction Manager shall be entitled to only that portion of the Preconstruction Services Cost Limit earned up to and including the date of termination, together with amounts payable for Early Work for which Owner issued an Early Work Amendment.

ARTICLE 10

MISCELLANEOUS

10.1 Representations and Warranties. Construction Manager represents and warrants to Owner (a) its previously submitted qualifications, references, and financial information were and continue to be true and correct in all material respects and are without material change since the date of their submission and (b) the Contract Documents constitute Construction Manager's legal, valid, and binding obligation, enforceable in accordance with their terms.

10.2 Authority. Construction Manager and Owner each have full power and authority to enter into and perform the Contract Documents and the persons signing this Agreement on behalf of their respective parties are duly authorized to do so.

10.3 Ownership of Documents. In addition to the terms of the *Section 14.1* of the General Conditions, Construction Manager unconditionally and irrevocably transfers and assigns to Owner for uses connected to the Project an exclusive, royalty-free, license to the documents, information, and electronic data prepared by or for Construction Manager for the Project (the "Construction Manager's Work Product").

10.4 Notice. Any notice or other written instrument required or permitted pursuant to this Agreement shall be in writing signed by the party giving such notice. Delivery of all such notices and written instruments shall be by hand, overnight courier, or registered letter at the addresses set forth in *Exhibit I*; provided, however, each party shall have the right to change its address by sending notice in the same manner.

10.5 Third Parties. Nothing contained in this Agreement shall be deemed to give any third party a claim, Claim, or right of action against Owner or Construction Manager unless that third party is expressly included as an intended beneficiary under the terms of this Agreement.

10.6 Remedies. Except as set forth in this Agreement, all rights and remedies contained in this Agreement are in addition to all others available at law or in equity.

10.7 Headings. The captions contained in this Agreement are for convenience and reference only and neither extend nor limit the scope or intent of this Agreement or its terms.

10.8 Exhibits. All exhibits, schedules, and other attachments referenced in this Agreement are fully incorporated by reference and are an integral part of this Agreement.

10.9 Entire Agreement. This Agreement represents the entire and integrated agreement between Owner and Construction Manager and supersedes all prior negotiations, representations or agreements, whether written or oral. This Agreement may be amended only by written instrument signed by both Owner and Construction Manager.

10.10 Counterparts. This Agreement may be signed in separate counterparts, each of which when signed and delivered shall be an original, and all of which when taken together shall constitute one instrument.

SAMPLE

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

This Agreement is entered into as of the Effective Date.

CM/GC:

Name of Firm: _____

Address: _____

Federal Tax I.D. #: _____

Construction Contractor's Board Registration No.: _____

Signature of Authorized Representative of Design-Builder

Title: _____

Date _____

OWNER:

Oregon State University

Title: _____

Date _____

EXHIBIT LIST

Exhibit A	General Conditions of the Contract for Construction
Exhibit B	Form of Early Work Amendment
Exhibit C	General Conditions Work - RESERVED
Exhibit D	Form of GMP Amendment
Exhibit E	Preconstruction Services and Cost Limit - RESERVED
Exhibit F	Personnel and Rates - RESERVED
Exhibit G	Payment Claim Waiver - RESERVED
Exhibit H	RESERVED
Exhibit I	Notice - RESERVED
Exhibit J	RESERVED
Exhibit K	Owners Standard Requirements
Exhibit L	Project Description - RESERVED
Exhibit M	Quality Management/Quality Control Plan - RESERVED
Exhibit N	Site Description - RESERVED
Exhibit O	Direct Costs/General Conditions Costs/Fee Matrix and Travel Reimbursement Policy
Exhibit P	Insurance
Exhibit Q	Form of Bonds
Exhibit R	Form of Change Order
Exhibit S	Change Pricing

Exhibit A

GENERAL CONDITIONS
OF THE
CONTRACT FOR CONSTRUCTION

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ARTICLE 1

DEFINITIONS AND GENERAL PROVISIONS

1.1 Definitions. The following terms shall have the meanings set forth below:

“ADA” shall mean the Americans with Disabilities Act of 1990, together with any amendments and rules, regulations, requirements, and best practices promulgated under the authority of the same.

“Addenda” shall mean written, drawn, and graphic instruments and representations issued by Owner Parties prior to Contractor signing the Agreement that change, clarify, or interpret the Contract Documents.

“Agreement” shall mean the [_____] between Owner and Contractor as the same may be amended from time to time.

“Allowance” shall mean items of Work that Contractor offers to perform at a price that is reasonably estimated but not definitive.

“Applicable Laws” shall mean federal, state and local laws, codes, rules, regulations, zoning and ordinances and university standards and policies applicable to the Project, including: ADA; ORS Chapter 659, as amended; ORS Chapter 659A, as amended; subcontracting laws in ORS 701.005 and ORS Sections 701.021 to 701.068; landscape contractor laws in ORS Sections 671.520(2) and ORS 671.560; excavation notification laws in OAR Sections 952-001-0010 through OAR 952-001-00100; and all regulations and administrative rules established pursuant to the same.

“Application for Payment” shall mean Contractor’s certified request for Owner’s payment in the form required by the Contract Documents.

“As-Built Documents” shall mean the Drawings and Specifications revised by Contractor to show the as-built condition of the Work and other changes made to the Project during the construction process.

“Avoidable Delay” shall have the meaning given in *Section 7.2.3* of these General Conditions.

“Back-Up Documents” shall have the meaning given in *Section 6.1.2* of these General Conditions.

“Business Inclusion and Diversity Program” shall mean that program established in OSU Standard 03-010, Procurement Thresholds and Methods, and operated pursuant to the university’s Procurement and Contracts unit rules, policies and procedures.

“Certificate for Payment” shall mean each certificate, in the form prescribed in *Section 6.4* of these General Conditions, issued by Design Professional subsequent to an Application for Payment and in accordance with the Contract Documents evidencing the amount of the Contract Sum then due to Contractor.

“Certified Diverse Business Report” shall mean an accurate report by Contractor delivered to Owner identifying all certified diverse business enterprises certified with the State of Oregon, in accordance with ORS 200.005, performing work associated with the Project. That report is a condition to Final Completion and shall include the total number of contracts and subcontracts awarded to certified diverse business enterprises and the dollar value of each, including all changes during the course of the Project.

“Change Order” shall mean Owner’s written order, signed by Owner and Contractor, authorizing and directing a modification to the Contract Documents due to a change to: (i) the scope of the Work,

(ii) the Contract Time or a material change to the schedule of performance of the Work or the Project, or
(iii) the Contract Sum or Contractor's compensation.

"Claim" shall mean a party to the Contract Document's request, demand, or assertion pertaining to: (i) a material change to the Contract Time or the schedule of performance of the Work or the Project, (ii) a change to the Contract Sum or Contractor's compensation, (iii) a reasonable dispute concerning conformance with the Contract Documents, (iv) damages suffered directly or indirectly by the act or omission of the other party; or (v) other relief from the terms of the Contract Documents.

"Close-Out" shall mean the process and plan prepared by Contractor that properly prepares the Project for turnover from Contractor to Owner, as set forth in *Section 4.13* of these General Conditions.

"Construction Change Directive" shall mean a written order prepared by Owner Parties and signed by Owner directing Contractor to perform a change in the Work prior to agreeing to a change, if any, to the Contract Time, schedule of performance of the Work, Contract Sum, or Contractor's compensation.

"Construction Contingency" shall have the meaning given in the Agreement.

"Construction Plan" shall mean Contractor's written and graphic plan for performance of the Work for each Deliverable Portion of Work including: (i) Project logistics; (ii) staging, storage, and office areas; (iii) pathways, ingress, and egress on the Site; and (iv) safety plans and managing personnel.

"Construction Schedule" shall mean Contractor's comprehensive, detailed, updated, critical path method (CPM) schedule (the "critical path") for each Deliverable Portion of Work, in conformance with accepted industry standards, that is consistent with the Project Schedule, and in a form and format approved in writing by Owner, all as set forth in *Section 4.6.3* of these General Conditions.

"Contract Documents" shall mean, collectively, the Agreement, as amended, including GMP Amendments to the Agreement; these General Conditions, as amended; the Supplemental General Conditions, if any; the Construction Schedule; the Drawings and Specifications and their Addenda; all approved changes to the Work formalized as minor changes in the Work, Change Orders, and Construction Change Directives; and all other documents in the Project Manual.

"Contract Sum" shall mean the total dollar amount payable by Owner to Contractor for a Deliverable Portion of Work.

"Contract Time" shall mean the allotted time to complete the Work of a Deliverable Portion of Work as set forth in the applicable Construction Schedule and, as applicable, the allotted time to complete each Project phase or milestone as set forth in the Project Schedule.

"Contractor" shall mean the Construction Manager designated in the Agreement, who will manage the Work and construct the Project, and its permitted successors and assigns, or such other construction firm as Owner may designate from time to time.

"Cost of the Work" shall have the same meaning as in the Agreement.

"Day" shall mean a calendar day, including weekdays, weekends and holidays, unless otherwise defined.

"Default" shall mean: Contractor's failure to perform the Work in conformance with the Contract Documents; Contractor's failure to supply an adequate number of properly skilled workers or Materials; Contractor's failure to make payments when due and payable for Work or Materials; Contractor's insolvency; commencement of bankruptcy protection by or pertaining to Contractor; Contractor's voluntary bankruptcy action or an involuntary bankruptcy action commenced against Contractor; or Contractor's failure to comply with Applicable Laws.

“Defective Work” shall mean Work that fails to conform to the Contract Documents’ requirements.

“Delay” shall mean delays in performance of the Work, the Project, or other execution of the Contract Documents.

“Deliverable Portion of Work” shall mean each portion of the Work, or all Work, as the case may be, that Owner agrees in writing to accept when such Work is Substantially Complete, all as set forth in the Contract Documents, including the Project and Construction Schedule.

“Design Professional” shall have the meaning given in the Agreement.

“Drawings” shall mean those Contract Documents showing the design, location and dimensions of the Work, known generally as but not limited to, plans, elevations, sections, details, and schedules.

“Fee” shall have the same meaning as Contractor’s Fee or Construction Manager’s Fee in the Agreement.

“Final Completion” shall mean the complete execution of all Contract Documents’ requirements for a Deliverable Portion of Work, as the Contract Documents require, including Close-Out as described in *Section 4.13* but excluding warranty Work as described *Section 11.2*, all as described in these General Conditions. The issuance of a final certificate of occupancy for a Deliverable Portion of Work, along with all final approvals from Governmental Authorities, shall be evidence of but not determinative of, Final Completion of that Work.

“Force Majeure” shall have the meaning given in *Section 7.2.2* of these General Conditions.

“General Conditions” shall mean these General Conditions of the Contract for Construction.

“GMP” shall have the same meaning as in the Agreement.

“GMP Amendment” shall have the same meaning as in the Agreement.

“Governmental Approvals” shall mean all permits, licenses, approvals, and consents, of Governmental Authorities required to perform the Work or complete the Project.

“Governmental Authority” shall mean any federal, state, county, municipal, local or other governmental body having jurisdiction over the Work, the Project, or the Site.

“Labor Agreement” shall mean the Labor Agreement, when approved by Owner Parties, and attached as *Exhibit _*, and as amended from time to time.

“Liquidated Damages” shall have the meaning given in the Agreement.

“Materials” shall mean all materials, supplies, appliances, equipment, fixtures, and other items that are part of the Work, necessary to complete the Work, or consumed during performance of the Work.

“Notice to Proceed” shall mean official written notice from Owner Parties to Contractor directing Contractor to commence activities described in such notice, including a notice of commencement for all or a portion of the Work.

“Owner Parties” shall have the meaning given in the Agreement.

“Owner’s Representative” shall have the meaning given in the Agreement.

“Owner’s Separate Contractors” shall mean forces hired by Owner other than Contractor’s forces, as set forth in *Section 3.1.6* of these General Conditions.

“Owner’s Standard Requirements” shall mean OSU’s standard contractor requirements set forth in *Exhibit K*.

“Owner-Supplied Equipment and Materials” shall have the meaning given in the Agreement.

“Person” shall mean any natural person or entity doing business of any kind, including a partnership, a joint venture, a corporation, a limited liability company, and any other entity possessing the legal capacity to contract.

“Product Data” shall mean illustrations, schedules, performance charts, instructions, brochures, diagrams, and other information that Contractor furnishes to illustrate Materials to be incorporated into the Work.

“Progress Report” shall mean Contractor’s monthly report to Owner containing an executive summary of completed Work and the contents of the report; the up-to-date Construction Schedule; the current actual costs as compared to their budgeted costs for completed activities and estimated costs compared to their budgeted costs for incomplete activities; Construction Contingency status; all known and potential Claims; all material issues relating to the Project that may affect Contract Sum, Contract Time, or Project quality, and proposed solutions for each such issue; status of all outstanding requests for information; current safety and accident report; Project progress photos; and other relevant information reasonably required by Owner.

“Project” shall mean the project described on *Exhibit L* which includes the Work of the Contract Documents.

“Project Manual” shall mean, collectively, the bidding requirements and associated documents, sample forms, these General Conditions, Supplemental General Conditions, if any, and Drawings and Specifications.

“Project Schedule” shall mean the overall schedule of the Project, as approved by Owner, including proposed activity sequences and durations, phases and milestone dates, preparation and processing of shop drawings and samples, Owner’s occupancy requirements, and pertinent information from each of Contractor’s Construction Schedules, all as updated from time to time.

“Punch List” shall mean the list generated by Contractor and approved by Owner Parties of incomplete or Defective Work that must be corrected before the Project achieves Final Completion.

“Quality Management and Control Plan” shall mean the comprehensive quality management and control plan described in *Section 4.5* of these General Conditions and attached as *Exhibit M*.

“Record Document” shall mean Contractor’s As-Built Documents, testing and inspection records, product data, samples, manufacturer and distributor/supplier warranties evidencing transfer of ownership to Owner, operational and maintenance manuals, approved shop drawings, Certified Diverse Business Report, correspondence that is material to the Contract Documents, certificate(s) of occupancy, Close-Out documents, and other documents recording performance of the Work.

“Samples” shall mean physical examples illustrating Materials or workmanship, and shall establish standards upon which the Work will be reviewed and approved.

“Schedule of Values” shall mean Contractor’s statement reflecting the portions of the Contract Sum allocated to the various portions of the Work and, when approved by Owner, used as the basis for reviewing and processing Applications for Payment, in accordance with *Section 6.2* of these General Conditions.

“Shop Drawings” shall mean drawings, diagrams, schedules, and other data specially prepared for the Work by or on behalf of Contractor to illustrate a portion of the Work.

“Site” shall mean the real property upon which the Work will be assembled and further described in *Exhibit N*.

“Specifications” shall mean those Contract Documents containing the written requirements for Materials, systems, and standards of the Work, including inspection, testing, and warranty requirements.

“Standard of Care” shall have the same meaning as in the Agreement.

“Subcontract” shall mean any agreement between Contractor and a Subcontractor for performance of Work or a Supplier for supplying Materials to the Project.

“Subcontractor” shall mean a Person having an agreement with Contractor to perform Work. Owner’s Separate Contractors are not Subcontractors unless Owner expressly assigns them in writing to Contractor.

“Submittals” shall mean Shop Drawings, Product Data, Samples and other customary documents submitted to Design Professional following Contractor’s review and approval.

“Substantial Completion” and “Substantially Complete” shall mean a Deliverable Portion of Work is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the same for its intended purpose. In no event shall Work be deemed Substantially Complete unless a certificate of occupancy has been issued for the Project or Deliverable Portion of Work, as the case may be, by the appropriate Governmental Authorities and such Work can be delivered to Owner with only Punch List items unfinished in the common areas that will not interfere with Owner’s practical use.

“Substitution” shall mean any product or process Contractor proposes to substitute for one specified in the Contract Documents that completely fulfills the requirements of the Contract Documents and is approved by Owner Parties.

“Sub-subcontractor” shall mean a Person having an agreement with a Subcontractor to perform Work.

“Supplemental General Conditions” shall mean those conditions that remove from, add to, or modify these General Conditions by separate attachment to the Contract Documents.

“Supplier” shall mean a Person having an agreement with Contractor, Subcontractors, or Sub-subcontractors, to supply Materials to the Project.

“Supporting Documents” shall have the meaning given in *Section 6.3.1* of these General Conditions.

“Unavoidable Delay” shall have the meaning given in *Section 7.2.4* of these General Conditions.

“Work” shall mean the furnishing of all Materials, services, labor, transportation, facilities, management, and other reasonably necessary work, to perform and complete construction of the Project in accordance with, and reasonably inferable from, the Contract Documents.

1.2 Other Terms. In addition to the terms defined in this *Article 1*, other terms are defined throughout these General Conditions in sections relevant to their use. Terms used but not specifically defined in these General Conditions shall have their well-known technical or industry meanings.

1.3 Context. As the context of each provision of these General Conditions changes, so too shall its verbs and nouns. Specifically, terms in the singular and the plural shall include one another, and terms in the feminine, masculine, or neuter, shall include one another. Use of the word “including”

throughout these General Conditions shall mean “including without limitation” and shall not be deemed a limitation but instead an illustration.

1.4 Incorporation by Reference. All exhibits, schedules, and other attachments to these General Conditions shall be incorporated in and integral to these General Conditions by their reference.

1.5 Public Works.

1.5.1 Government Employment Status. If payment under the Agreement will be charged against federal funds, Contractor represents and warrants that it is not currently employed by the Federal Government. This does not preclude Contractor from holding another contract with the Federal Government. Contractor further represents and warrants that Contractor is not an employee of the State of Oregon for purposes of performing Work.

1.5.2 Retirement System Status and Taxes. Contractor represents and warrants that it is not a contributing member of the Oregon Public Employees’ Retirement System and will be responsible for any federal or state taxes applicable to payment received under the Contract Documents. Contractor will not be eligible for any federal Social Security, employment insurance, workers’ compensation or the Oregon Public Employees’ Retirement System benefits from Project payments, except as a self-employed individual. Unless Contractor is subject to backup withholding, Owner will not withhold from its payments to Contractor federal or state tax obligations.

1.5.3 Minimum Wages Rates on Public Works. Contractor shall comply fully with the provisions of ORS Sections 279C.800 through 279C.870. Documents establishing those conditions, as determined by the Oregon Commissioner of the Bureau of Labor and Industries, are included as attachments to or are incorporated by reference in the Contract Documents. Pursuant to ORS 279C.830(1)(c), Contractor shall pay workers not less than the specified minimum hourly rate of wage, and shall include the same minimum hourly rate of wage requirement in all Subcontracts. If the Work is subject to both the Oregon state prevailing wage rate law and the federal Davis-Bacon Act, Contractor shall pay the higher of the two prevailing rates. Contractor shall also provide written notice to all workers of the number of hours per day and days per week such workers may be required to work.

1.5.4 Payroll Certification and Fee Requirements. In accordance with ORS 279C.845, Contractor and every Subcontractor shall submit written certified statements to Owner Parties, on the form prescribed by the Oregon Commissioner of the Bureau of Labor and Industries, certifying the hourly rate of wage paid to each worker that Contractor or a Subcontractor has employed on the project and further certifying that no worker employed on the Project has been paid less than the prevailing rate of wage or less than the minimum hourly rate of wage specified in the Contract Documents. Contractors and Subcontractors shall verify by oath that they have read the certified statement, that they know the contents of the certified statement, and that, to their best knowledge and belief, the certified statement is true. The certified statements shall set out accurately and completely the payroll records for the prior week, including the name and address of each worker, the worker’s correct classification, rate of pay, daily and weekly number of hours worked, deductions made, and actual wages paid. Certified statements for each week during which the Contractor or Subcontractor has employed a worker on the project shall be submitted each month, by the fifth business day of the succeeding month. The Contractor and Subcontractors shall preserve their certified statements for a period of ten (10) years from the date of Final Completion.

1.5.5 Additional Retainage. Pursuant to ORS 279C.845(7), Owner shall retain twenty-five (25) percent of any amount earned by Contractor on this public works Project until Contractor has filed the certified statements required by *Section 1.5.4* above. Owner shall pay to Contractor the amount retained under this *Section* within fourteen (14) Days after Contractor files the required certified

statements, regardless whether a Subcontractor has failed to file certified statements. Pursuant to ORS 279C.845(8), Contractor shall retain twenty-five percent (25%) of any amount earned by a Subcontractor on this public works Project until that Subcontractor has filed with Owner Parties the certified statements required by *Section 1.5.4* above. Before paying any amount retained under this *Section*, Contractor shall verify that Subcontractor has filed the certified statement. Within fourteen (14) Days after Subcontractor files the required certified statement, Contractor shall pay Subcontractor any amount retained under this *Section*.

1.5.6 Bureau of Labor and Industries Fee. In accordance with statutory requirements and administrative rules promulgated by the Oregon Commissioner of the Bureau of Labor and Industries, the fee required by ORS 279C.825(1) will be paid by Owner to the Commissioner.

1.5.7 Hours of Labor. As a condition to Owner's performance under the Contract Documents, no Person shall be employed to perform Work for more than ten (10) hours in any one Day or forty (40) hours in any one week, except in cases of necessity, emergency, or where public policy absolutely requires it. In such instances, Contractor shall pay the employee at least time and a half pay: (i) for all overtime in excess of eight (8) hours a day or forty (40) hours in any one week when the work week is five consecutive Days, Monday through Friday; (ii) for all overtime in excess of ten (10) hours a day or forty (40) hours in any one week when the work week is four consecutive Days, Monday through Friday; and (iii) for all Work performed on Saturday and on any legal holiday specified in ORS 279C.540. This *Section 1.5.7* will not apply to Contractor's Work to the extent Contractor is currently a party to a collective bargaining agreement with any labor organization as set forth in the Labor Agreement and shall not excuse Contractor from completion of the Work in accordance with the Construction Schedule and within the Contract Time.

1.5.8 Labor Laws. Contractor shall comply with all applicable requirements of federal and state civil rights and rehabilitation statutes, rules, and regulations. Contractor shall not, in the awarding of Subcontracts, discriminate against businesses that have been certified by the State of Oregon Certification Office for Business Inclusion and Diversity under ORS 200.055 . Contractor shall maintain, in current and valid form, all licenses and certificates required by Applicable Laws and by the Contract Documents when performing the Work.

1.5.9 Labor Agreement. The Labor Agreement shall govern labor relations for the Project and shall establish rules and procedures for labor efficiency, assignment of work, and prompt settlement of all disputes. Contractor shall follow and enforce the Labor Agreement to ensure uninterrupted Project operations. All Persons performing Work shall become party to the Labor Agreement with exception to those portions of the Work expressly excluded from the Labor Agreement, for which Contractor shall award as "open-shop."

1.5.10 Contractor Certifications. Unless contrary to federal law, Contractor shall certify that it shall not accept a bid to perform Work from Subcontractors as described in ORS 701.005 unless such Subcontractors are registered with the Oregon Construction Contractors Board in accordance with ORS Sections 701.021 to 701.068 at the time they submit bids. Unless contrary to federal law, Contractor shall certify that each landscape contractor, as defined in ORS 671.520(2), performing Work holds a valid landscape contractor's license issued pursuant to ORS 671.560.

The following notice is applicable to Contractors who perform excavation Work:

"ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-00100. You may obtain copies of the rules by calling (503)232-1987."

1.5.11 Dual Payment Sources. Contractor shall not be compensated for Work from any payment source other than Owner.

ARTICLE 2

CONTRACT ADMINISTRATION

2.1 Correlation and Intent of Contract Documents.

2.1.1 General Meaning. The Contract Documents are complementary. Whatever is called for in one Contract Document, shall be interpreted to be called for in all Contract Documents. Contractor shall perform all Work required by, reasonably inferable from, and consistent with, the Contract Documents. Some of the Contract Documents, like the Specifications, contain detailed procedures. These detailed procedures and requirements are supplementary to, and do not control, the requirements of the other Contract Documents. Instead, wherever possible, the Contract Documents shall be read together and inconsistencies shall be, where practicable, considered additional requirements to those of the other Contract Documents.

2.1.2 Intent of the Contract Documents. The intent of the Contract Documents is to include all items necessary for the execution of the Work. All Work shall be performed in a professional manner and unless the means or methods of performing a task are specified elsewhere in the Contract Documents, Contractor shall employ methods that are generally accepted and used by the industry, in accordance with industry practices and the Standard of Care. The Contract Documents contain the entire integrated agreement between Contractor and Owner and supersede prior negotiations, representations, and agreements, whether written or oral. The Contract Documents do not create a contractual relationship between Design Professional and Contractor or Owner and Subcontractors or Sub-subcontractors.

2.1.3 Order of Precedence. In the event of irreconcilable conflicts or discrepancies among the Contract Documents whose requirements cannot be both practicably performed, interpretations shall be based on the following descending order of precedence: (i) Change Orders, with those of later date having precedence over those of an earlier date; (ii) the Agreement; (iii) the Supplemental General Conditions, if any; (iv) the General Conditions; (v) Division One (General Requirements) of the Specifications; (vi) Detailed Schedules of finishes and Materials; (vii) Drawings and Specifications, other than Division One and the Detailed Schedules to the Specifications; (viii) Large-scale drawings; (ix) Small-scale drawings; (x) Written dimensions over scaled dimensions.

2.1.4 Greater Quality/Quantity. In the case of an inconsistency between Contract Documents as to quantity or quality and not clarified by Addenda, the better quality or greater quantity of Work shall be furnished.

2.1.5 Notice to Owner of Inconsistency. If Contractor finds discrepancies in, or omissions from, the Contract Documents, or if Contractor is in doubt as to their meaning, Contractor shall immediately notify Owner Parties. Owner Parties shall render final interpretation of Contract Document requirements. Responses to Contractor's requests for interpretation of Contract Documents will be made in writing within any time limits agreed upon or otherwise with reasonable promptness and will be consistent with the intent of the Contract Documents. If an inconsistency or interrelation is unresolved, Contractor shall not proceed with affected Work until it receives written direction from Owner Parties.

2.1.6 References to Standards. All references to standards, express or implied, including to standard specifications, manuals, codes of any technical society, organization or association,

or laws or regulations of any governmental authority, shall mean the latest standards in effect in the Site's jurisdiction, occurring on the first published date of any solicitation document, except as may be otherwise specifically stated.

2.1.7 Titles and Sections. Some Contract Documents, including the Specifications are titled and sectioned for convenience only and such sectioning shall not control Contractor's division of Work among its Subcontractors and the trades and shall not relieve Contractor of responsibility for satisfactory execution of the Work. Owner Parties assume no responsibility for Contractor's division and coordination of the Work.

2.2 Design Professional and Owner's Representative

2.2.1 Design Professional will administer the Contract Documents during construction and through the Project's Close-Out. Owner's Representative will represent Owner at the Site and will be Contractor's contact point for consultation and instruction. Owner may also authorize Owner's Representative to take additional actions on Owner's behalf, and to execute instruments on Owner's behalf; provided, however, that Owner's Representative has Owner's express written authorization.

2.2.2 Owner's Representative will inform Owner of the progress of the Work and will be Owner's advisor during the course of the Work. However, Owner's Representative shall neither be responsible for nor have control of construction means, methods, or procedures, Site or Project safety, and shall have no control over the acts or omissions of Contractor, Subcontractors, Sub-subcontractors, or any other Persons performing Work.

2.3 Contract Administration. Owner Parties shall administer the Contract Documents during construction through Final Completion and during the one-year warranty period for correction of Work. However, Owner reserves the right to perform directly all or some of the roles, and will have all of the rights, designated for Owner Parties in the Contract Documents, including to inspections and rejection of the Work and processing and approving Applications for Payment. In the event Owner chooses to self-perform administration of the Contract Documents, Owner shall not be responsible for or have control of construction means, methods, or procedures, Site or Project safety, and shall have no control over the acts or omissions of Contractor, Subcontractors, Sub-subcontractors, or any other Persons performing Work.

Contractor shall control and shall be solely responsible for safety precautions and programs in connection with the Work.

2.3.1 Communication. Except as otherwise provided in the Contract Documents or when direct communications have been specifically authorized, Owner and Contractor shall endeavor to communicate with each other about matters arising out of or relating to the Contract Documents through Owner Parties. Communications by and with Subcontractors, Sub-subcontractors, and Suppliers shall be through Contractor. Communications by and with Owner's Separate Contractors shall be through Owner's Representative.

2.3.2 Site Visits. Owner Parties will visit the site at intervals appropriate to the stage of the Contractor's operations to become generally familiar with and to keep the Owner informed of the progress and quality of the Work and to guard against defects and deficiencies in the Work. Owner Parties' review of the Work is to determine, generally, if Work is and will be in accordance with the intent of the Contract Documents. Owner Parties will not make exhaustive or continuous on-site inspections to check the quality or quantity of the Work.

2.3.3 Safe Access to Work. Owner Parties shall have access to the Work and the Site at all times. Contractor shall furnish adequate facilities, as required, for Owner Parties to safely access

and inspect the Site and the Work, including without limitation, walkways, railings, ladders, tunnels, and platforms. Producers, Suppliers, and fabricators shall also provide proper facilities and access to accommodate Owner Parties' inspections.

2.3.4 Inspections. Work performed and Materials furnished shall be subject to inspection, observation, and testing by Owner Parties at their discretion. Owner Parties' inspection of the Work is to independently determine if the Contract Documents' requirements are met and shall not relieve Contractor of its responsibility to ensure the Work meets the Contract Documents' requirements.

2.3.5 Affected Third Parties. When the United States Government pays all or a portion of the Contract Sum, when Owner has an agreement with other public or private organizations, or when a portion of the Work is performed for a third party or in close proximity to third party facilities, representatives of these affected organizations (the "Affected Third Parties") shall have the right to inspect the Work impacting their interests or property. Affected Third Parties' rights to inspect shall not give rise to any status as a party to the Contract Documents, however, and shall not interfere with Owner's or Contractor's rights under the Contract Documents. Communications concerning Affected Third Parties shall be conducted exclusively between the Owner Parties and Contractor.

ARTICLE 3

OWNER'S RIGHTS AND RESPONSIBILITIES

3.1 Owner's Rights.

3.1.1 Right to Reject Work. Owner Parties shall have the authority to reject Work that does not conform to the Contract Documents and to require special inspection or testing of any Work. However, neither Owner Parties' authority to act under this *Section*, nor any decision made by them in good faith, shall give rise to any duty to Contractor, Subcontractor, Sub-subcontractor or any other person performing Work. Work that is Defective Work, in Owner Parties' reasonable judgment, shall be removed from the Site, corrected, and repaired, at Contractor's expense. Work completed or Materials installed that are subject to inspection or testing under the Contract Documents but for which Contractor failed to properly inspect, test, or timely notice Owner Parties, may be ordered removed by Owner Parties at Contractor's expense.

3.1.2 Right to Carry Out the Work. If within five (5) Days after receiving written demand from Owner Parties to diligently prosecute all or any part of the Work, Contractor fails or neglects to carry out such Work promptly and in accordance with the Contract Documents, Owner may, and without prejudice to any other remedy, make good Contractor's deficiencies.

If Owner carries out Work as set forth above, Owner Parties shall issue an appropriate Change Order deducting from the Contract Sum the cost of correcting such deficiencies, including compensation for Owner Parties' additional services due to such deficiency. If, at the time Owner issues the deductive Change Order, the payments due Contractor are insufficient to cover the deduction in the Contract Sum, Contractor shall immediately pay to Owner the difference.

3.1.3 Right to Clean Up. In the event Contractor and Owner's Separate Contractors dispute responsibility for cleaning up, Owner Parties may direct Contractor to clean up and charge its costs, in Owner Parties' reasonable judgment, to the responsible parties.

3.1.4 Partial Occupancy. Owner shall have the right to occupy and use any completed or partially completed portions of the Work, provided Governmental Authorities having jurisdiction over the Work consent to such occupancy. Substantial Completion shall not be a prerequisite to Owner's

occupancy or use; provided, however, that Owner and Contractor have (a) reasonably accepted in writing their respective responsibilities for payments, retainage, security, insurance, maintenance, heat, utilities, and damage to the Work and (b) agreed in writing to the period for correction of Work and commencement of warranties required by the Contract Documents for those portions of the Work occupied or used. Immediately prior to Owner's partial occupancy or use, Contractor and Owner Parties shall jointly inspect the area to be occupied or used to determine and record the condition of the Work. Partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work that fails to conform to the Contract Documents.

3.1.5 Access to Records. Owner shall have access to all Documents and drawings Contractor, Subcontractors, Suppliers, and their respective contractors produce or procure for this Project, accounting records, receipts, invoices, and other documentation relating to the Project and to performance of the Work, all upon request at any time following the effective date of the Agreement and until ten (10) years after Final Completion of the Project.

3.1.6 Right to Perform Other Work. Owner reserves the right to perform other or additional work at or near the Site with Owner's Separate Contractors. If such work takes place within or adjacent to the Site, Contractor shall coordinate such work and cooperate with Owner's Separate Contractors, to carry out the Work with minimal interference and Delay. Contractor and Owner's Separate Contractors shall place and dispose of materials so as not to interfere with the operations of the other, and shall join the Work with the work of others in an acceptable manner and in proper sequence. In the event of a dispute among Contractor and Owner's Separate Contractors concerning the order or priority of work, Owner Parties' decision shall be final.

3.2 Owner's Responsibilities

3.2.1 Timely responses and approvals. Owner shall render approvals and decisions with reasonable promptness and shall endeavor to minimize Delay in the orderly progress of Contractor's services and the Work; provided, however, Contractor shall timely advise Owner of the time requirements of such approvals and decisions.

3.2.2 Surveys and Site Data. With prior written request, Owner shall furnish Contractor with all surveys of the Site then in Owner's possession and to the extent necessary to properly perform the Work. Contractor shall review all such materials and promptly notify Owner of inaccuracies or inconsistencies that Contractor discovers. Contractor shall be liable for any inaccuracies or inconsistencies that Contractor discovered or should have discovered in accordance with the Standard of Care, but for which Contractor failed to promptly give to Owner notice.

3.2.3 Other Information or Services. With Contractor's prior written request, Owner shall furnish Contractor with all other information or services then under Owner's control and reasonably required for performance of the Work, with reasonable promptness.

ARTICLE 4

CONTRACTOR'S RIGHTS AND RESPONSIBILITIES

4.1 Contract Documents

4.1.1 Examination of the Contract Documents. Contractor shall carefully study and examine the Contract Documents and shall at once report to Owner Parties discovered errors, inconsistencies, omissions, and departures from Applicable Laws, including design errors and omissions. By studying the Contract Documents, Contractor has fully informed itself as to the quality, quantity, and sources of Materials, the character of the Work, and has made a careful examination of the Site and the

location and conditions of the Work. As such, Owner shall not be responsible for and Contractor shall have no Claim for losses or unanticipated costs that Contractor suffers due to conditions that Contractor discovered or, as an experienced contractor, should have discovered, but failed to timely report to Owner Parties.

Notwithstanding the above, Design Professional, not Contractor, shall be solely responsible to confirm the Contract Documents comply with Applicable Laws for those design matters under the direction of Design Professional.

4.1.2 Verification of the Contract Documents. Contractor shall verify all dimensions before laying out the Work, is responsible for the accuracy of all lines, grades, and measurements, and shall protect and preserve all land and survey markers while performing services and executing the Work. Owner Parties' confirmation of dimensions and layout shall not relieve Contractor of its responsibilities to the same.

4.1.3 Inquiry Required. Should the Drawings or Specifications fail to particularly describe the Materials or details of construction of any aspect of the Work, Contractor shall make prompt inquiry to Owner Parties informing them of the issues and seeking additional clarification. Absent specifications to the contrary, the materials or processes normally used to produce first quality finished works, shall be considered a part of the Contract Documents. Commencement of any Work shall constitute Contractor's representation that the Contract Documents are sufficiently detailed and complete to permit Contractor to complete the Work undertaken in accordance with the Contract Documents.

4.2 Use of Site.

4.2.1 Contractor's Operations. Contractor shall confine all Materials, storage, and operations at the Site to the limits indicated by the Contract Documents, Applicable Laws, permits, and direction of Owner Parties.

4.2.2 Adjacent Buildings and Owner's Ongoing Business. Contractor understands the Work performed at the Site will occur around existing buildings, some of which may be historic and fragile, that house and facilitate Owner's current operations. As such, all Work shall be conducted in a manner causing as little interference with and inconvenience to the surrounding structures and continuous conduct of Owner's operations as possible.

4.2.3 Storage and Safekeeping. Contractor shall be solely responsible for storage, handling, and safekeeping at all times of Contractor's and Subcontractors' tools, all equipment including Owner-Supplied Equipment, and all Materials. Contractor shall provide Site and any necessary storage security to guard against vandalism and theft to the Work, tools, all equipment including Owner-Supplied Equipment, and all Materials under Contractor's control and care. Contractor hereby waives all Claims that pertain to the requirements of this *Section*.

4.3 Construction Procedures and Supervision.

4.3.1 General Responsibilities. Contractor shall supervise, coordinate, and direct the Work, using the Contractor's best skill and attention, in accordance with the Standard of Care and shall be responsible for implementing the Construction Plan. Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences, and procedures, Site and Project safety, and for coordinating all portions of the Work, unless the Contract Documents give other specific instructions concerning these matters. In any event, Contractor shall also evaluate the coordination and jobsite safety of others contributing to the same.

4.3.2 Governmental Authority Coordination. Contractor shall coordinate the Work with all Governmental Authorities and utility companies involved in the Project. Prior to excavation and in accordance with utility locating requirements, Contractor shall cause to have located all underground facilities on and about the Site before commencing any digging operations.

4.3.3 Supervision. Among Contractor's on-Site staff shall be a senior project manager, superintendent, and necessary assistants who shall be satisfactory to Owner Parties and who shall attend the progress of the Work. The project manager shall represent Contractor and all communications given to the project manager shall be binding on Contractor as if given directly to it.

4.3.4 Protection of Work; Mitigation. Contractor shall protect from damage and maintain the Work during the course of construction and shall mitigate any adverse impacts to the Project, including those caused by casualty and by Owner's authorized changes, which may affect Contract Sum, Contract Time, schedules, or quality.

4.3.5 Structure Surveys. Contractor shall cause to be performed comprehensive surveys of the structural components of the Work, as applicable, verifying its complete conformance with all dimensional and performance requirements of the Contract Documents and Applicable Laws.

4.3.6 Owner's Separate Contractors. Contractor shall provide Owner's Separate Contractors reasonable opportunity to introduce and store at the Site their tools, equipment, and Materials and for the execution of their work. Contractor shall coordinate the Work with the work and services of Owner's Separate Contractors in accordance with the Contract Documents.

Work whose commencement depends upon completion of Owner's Separate Contractors' work shall not be commenced until Contractor inspects such Owner's Separate Contractors' work for conformance with the Contract Documents. In the event Contractor finds Owner's Separate Contractors' work defective or incomplete, Contractor shall promptly report to Owner Parties the apparent issues. Contractor's failure to inspect and report such issues shall, except for latent, concealed defects, constitute an acceptance of Owner's Separate Contractors' work as fit for proper execution of the Work.

Any costs caused by defective or ill-timed Work and any damage to the Work or to Owner's Separate Contractors' work shall be borne by the party responsible for such defect, ill-timeliness, or damage.

4.4 Labor and Materials. Contractor shall provide and pay for all labor, Materials, machinery, utilities, transportation, and other facilities and services necessary for the proper execution and completion of the Work in accordance with the Contract Documents.

4.4.1 Quality of Work. Contractor shall execute the Work with a quality of workmanship consistent with first-class public university projects. Contractor warrants that all Materials shall be new unless otherwise called for in the Contract Documents and that the Work will be free from defects and conform to the Contract Documents' requirements.

4.4.2 Labor and Staffing. Contractor shall maintain sufficient numbers of qualified workers and personnel assigned to the Project to ensure that its obligations under the Contract Documents are timely met. Contractor shall maintain a competent, full-time staff at the Site, including personnel experienced with projects of similar size and scope to that of the Project.

4.4.3 Labor Relations. Contractor is responsible for the actions of all its personnel, laborers, Subcontractors, Sub-subcontractors, Suppliers, and all Persons performing Work on the Project. Contractor shall enforce strict discipline and good order among all Persons carrying out the Work. Contractor shall not permit employment of Persons who are unfit or unskilled for the tasks assigned to them or to whom Owner Parties make reasonable objection.

4.4.4 Medical and Workers' Compensation Payments. As a condition to Owner's performance, Contractor shall promptly, when due, make payment to any person, partnership, association, company, or corporation furnishing medical, surgical, or hospital care or other needed care and attention, incident to sickness or injury, to the Contractor's employees. Contractor agrees to pay for all such services, including from monies the Contractor has collected or deducted from the wages of personnel pursuant to any law, contract, or agreement for providing or paying for such services. Contractor shall comply with and shall ensure all Subcontractors and Sub-subcontractors comply with ORS Chapter 656.

4.5 Quality Management and Control.

4.5.1 Quality Management and Control Plan. Contractor shall develop, seek approval from Owner Parties of, and implement, the Quality Management and Control Plan. The Quality Management and Control Plan is intended to ensure performance of the Work is in accordance with the requirements of the Contract Documents and implements appropriate procedures to verify and document such compliance. The Quality Management and Control Plan shall include, at a minimum: (i) a breakdown of quality control responsibilities to the various Project participants; (ii) a cost control system for the Work, including regular monitoring of actual costs for activities in progress and estimates for uncompleted tasks and proposed changes; (iii) a quality control matrix listing all testing, inspections, and Submittals, relating to the Work with specific reference to the source of the requirement and the party responsible (whether Owner Parties, Contractor, or others) for that testing, inspection, and Submittal; (iv) inspection and testing plans for all critical Work, including commissioning and Subcontractors' and inspection agents' activities necessary for the commissioning process; (v) field monitoring and inspection reports; (vi) Contractor's audit plan for auditing Subcontractor's quality control efforts; and (vii) Defective Work identification, reporting, and correction procedures.

Using Contractor's Quality Management and Control Plan, which shall be regularly updated and maintained, Contractor shall inspect the Work on an ongoing basis and document all Defective Work, whether identified by Governmental Authorities, Owner Parties, or Contractor.

4.6 Communication. Contractor and Owner Parties shall develop and implement acceptable procedures for reviewing, documenting, and processing questions and responses, including requests for information, requests for clarification, minor changes in the Work, and Change Orders. If Owner Parties so choose, Contractor shall furnish a web-based system, to facilitate such communications quickly and accurately.

4.6.1 Meetings; Reports. Contractor shall regularly schedule, conduct, and record pre-construction and construction progress meetings. Contractor shall schedule, conduct, and record such progress meetings with Owner Parties at least weekly during construction. For all such meetings, Contractor shall distribute its minutes with promptness after each meeting, to Persons or organizations in attendance.

.1 Contractor shall submit to Owner Parties for review, comment, and approval within fifteen (15) Days after the effective date of the Agreement a form of Contractor's Progress Report. Contractor shall implement and update monthly its approved form of Progress Report.

.2 Contractor shall keep and make available at the Site a regularly maintained log of recordable OSHA incidents and recordable lost time accidents and shall include such log in Contractor's Progress Reports.

.3 Contractor shall keep and make available at the Site a log of Defective Work, as set forth in *Section 4.5.1* above, which shall also be included in Contractor's

Progress Reports. Contractor shall maintain communications with Governmental Authorities having jurisdiction and conducting inspections of the Work to ensure timely inspections and adequate time for remedy of Defective Work.

.4 Contractor shall keep and make available at the Site a daily record of Site conditions and activities such as weather, number of workers, Work performed, problems encountered, and other relevant data.

.5 Contractor shall keep and make available at the Site a regularly maintained log of all Submittals.

.6 Contractor shall keep and make available at the Site an accurate record of all tests, inspections, and reports concerning the Work.

4.6.2 Certified Diverse Business Report. Contractor shall submit to Owner Parties its Certified Diverse Report with Contractor's final Application for Payment for each Deliverable Portion of Work.

4.6.3 Schedules. The Project Schedule shall include the overall timeline of all Project activities, major milestones, and phases if any, and shall include the general timeline of the Construction Schedules. If requested, Contractor's Construction Schedule shall include (i) all major components and phases of the applicable Work and their associated costs; (ii) break-downs of each major component or phase by building, floor, and trade as applicable; (iii) the time and duration that each activity will take to completion and accurate estimated float time for each activity; (iv) estimated manpower and cost loading for each phase and for each trade within such phase; and (v) the dependencies between all scheduled activities. Contractor shall also include in its Construction Schedule applicable dates of Substantial Completion and Final Completion, and all prerequisite activities to the applicable Work, including processing of Submittals and long lead-time products. Contractor shall adhere to the Project Schedule when managing the Project and to the Construction Schedule when managing and performing the Work. Contractor shall update monthly the Construction Schedule and recommend updates to the Project Schedule as and when necessary. Contractor shall deliver to Owner Parties upon request all native electronic files of all Project and Construction Schedules so requested.

Owner Parties' acceptance of a Construction Schedule does not constitute agreement as to Contractor's sequencing, means, methods, or durations. Any positive difference between the Contractor's scheduled completion dates, the milestone deadlines, and the Contract Time, is float time owned by the Owner.

4.6.4 Schedule Impacts. Within five (5) Days after occurrence of an event that Contractor reasonably believes will have a material impact on the Work or any schedule, Contractor shall provide written notice to Owner Parties describing the nature and impact of the event, and propose methods of any necessary mitigation.

4.7 Documents and Submittals.

4.7.1 Site Copies. Contractor shall keep and make available at the Site one record copy, in physical or electronic form, of the complete Contract Documents in good order and marked to record field changes and selections made during construction along with one record copy of Owner's Separate Contractors coordinated work. Contractor shall also keep and make available at the Site one copy, in physical or electronic form, of each approved Submittal.

4.7.2 Contractor Review. Contractor shall cooperate with Owner Parties to develop an internet-based system to provide an up-to-date Submittal log. The Submittal log shall include proposed submittal dates and review time for each item, and the approval status of each Submittal.

.1 Contractor shall prepare, review, approve, and submit to Owner Parties, with reasonable promptness and in such sequence as to cause no Delay in the Work or in the work of Owner's Separate Contractors, all Submittals and mock-ups required by the Contract Documents. All Submittals shall be delivered in sufficient time to allow reviewing parties reasonable time for consideration and Contractor adequate time for resubmission if required. Contractor shall cooperate with Owner Parties and coordinate Contractor's Submittals with those of Owner's Separate Contractors.

.2 Prior to Contractor's submission to Owner Parties, Contractor shall cause all Submittals to conform to the Contract Documents, and shall confirm and evidence such conformity with Contractor's review stamp marked "approved." Owner Parties will annotate, correct, and stamp the Submittals as necessary, indicating what further action is necessary and appropriate, and return each Submittal to Contractor. Submittals corrected by Contractor and resubmitted for review and approval containing changes other than those indicated by Owner Parties shall have such additional, new changes, clearly marked to bring them to Owner Parties' attention as well as fully explained in a contemporaneous writing.

.3 In the event a Submittal is not approved, Contractor will be notified of the reasons for disapproval and Contractor shall timely re-submit the revised unapproved Submittal until approved.

.4 By presenting each Submittal to Owner Parties, Contractor represents that it has determined, verified, and approved all Materials and field measurements and criteria related to that Submittal and has confirmed each such Submittal meets the requirements of the Contract Documents.

.5 If a Submittal requires professional design services or certifications under the Contract Documents, Owner Parties will specify all performance and design criteria of such Submittal. Contractor shall cause a properly licensed design professional to deliver such services or certifications, and each affected Submittal document shall bear the signature and seal of that professional, as licensed in the state where the Project is located. Owner Parties shall be entitled to rely upon Contractor's design professionals' certifications and approvals.

.6 Owner Parties' approval of a Submittal shall not relieve Contractor of responsibility for deviation from the requirements of the Contract Documents, unless Owner Parties have given written approval to the specific deviation. The Owner Parties' approval does not imply that the items shown on each Shop Drawing are all-inclusive of Contractor's responsibilities. Subject to the Standard of Care, in no event shall Contractor be relieved of responsibility for errors or omissions, in the Submittals.

.7 No portion of the Work requiring Owner Parties' approval of a Submittal shall be commenced until such Submittal has been approved. Approved Submittals will constitute the standard of quality, appearance, and assembly of all items represented by such Submittals.

4.7.3 Shop Drawings. Shop Drawings shall be submitted, shall be complete, clear, and easily readable, bearing the date of the original submission and of each subsequent resubmission, a title block with Project name and location, and a space for review stamps. All contents of each Shop Drawing shall include the manufacturer, fabricator, and installer, model numbers, schedule designation, and a reference to the Contract Documents requiring the Submittal. Shop Drawings shall be submitted for complete systems. Partial submissions will not be permitted without Owner Parties' prior written

approval. Shop Drawings shall also include related work and equipment as appropriate for context and assembly.

4.7.4 **Product Data.** Product Data, brochures, illustrations, printed charts, schedules, and other such pre-prepared data shall be submitted plus one electronic copy. Such Submittals shall be clearly marked with the particular characteristics or model of the relevant products.

4.7.5 **Samples.** Upon request, Contractor shall promptly provide a detailed list of all Materials and their respective manufacturers proposed for installation, for Owner Parties' review and approval. The list shall be organized by the Specification section corresponding to each Material, and shall include the installers.

Contractor shall prepare and submit for Owner Parties' review and approval all Samples as required by the Contract Documents. If not otherwise specified, all Samples shall be large enough to clearly show all physical characteristics which have a bearing on selection and appearance and shall be submitted in triplicate. Each Sample transmittal document shall include the Project name and location, manufacturer, fabricator, and installer, model numbers, name, finish, and composition of the items, schedule designation, a reference to the Contract Document requiring the Submittal, and a space for review stamps. Upon approval, the Sample transmittal documents will indicate such approval and two samples will be returned to Contractor.

4.7.6 **Purpose and Liability.** Submittals are not Contract Documents. Their purpose is to demonstrate the way by which Contractor proposes to conform the Work to the information given and the design concept expressed in the Contract Documents. Owner Parties' review of Submittals is not conducted to determine the accuracy and completeness of other details such as dimensions and quantities, or for substantiating installation instructions, or performance requirements. Owner Parties' approval of a specific item shall not indicate approval of an assembly of which the item is a component.

4.8 **Intellectual Property Costs.** Contractor shall pay all royalties and license fees arising from the Work, and shall indemnify, defend, and hold harmless Owner from all intellectual property infringement claims arising from or pertaining to the Work, except for those claims concerning a particular design, process, or product selected by Owner Parties or required by the Contract Documents; provided, however, if Contractor has reason to believe that a design, process, or product infringes an intellectual property right, and fails to timely notify Owner Parties, Contractor shall be responsible for the same.

4.9 **Permits; Fees.** Unless specifically excluded from Contractor's scope in the Contract Documents, including but not limited to the Fee Matrix set forth in *Exhibit O*, Contractor shall obtain, manage, and pay for all Governmental Approvals that are customarily secured after signing the Agreement, that are legally required at the time the Contract Sum is agreed to, or that are necessary for the proper execution of the Work. Such Governmental Approvals also include, but are not limited to, Contractor's temporary obstructions, enclosures, and Work performed on or about public property other than the Site (e.g., opening of streets for pipes, utilities, environmental work) as required for the Project. Contractor shall give all requisite notices to Governmental Authorities having jurisdiction and shall bear all responsibility for violations of Applicable Laws pertaining to such Work. Nothing in this *Section* shall make Contractor responsible for permits relating to zoning or environmental impact fees.

4.10 **Testing.**

4.10.1 **Contractor's Testing.** In accordance with Contractor's Quality Management and Control Plan, Contractor shall implement its checking and testing procedure at appropriate times during the Project to ensure that all systems, assemblies, and equipment are adequately tested and balanced. In doing so, Contractor shall make or obtain at the appropriate time and shall include in the Contract

Sum, all tests, inspections, and approvals of the Work required by the Contract Documents and required by Applicable Laws. Unless otherwise approved or required, testing of the Work shall be conducted by an independent testing service acceptable to Owner Parties.

4.10.2 Notice and Results. Contractor shall give Owner Parties timely notice of when and where tests and inspections are to be conducted so that Owner Parties may be then present. Required certificates of testing, inspection, and approval shall, unless otherwise required by the Contract Documents, be secured by Contractor and promptly delivered to Owner Parties, with any warranties or assurances under such testing, assigned to Owner.

4.10.3 Owner Parties' Testing. If Owner Parties reserve the right to or request to test any Materials or any other portion or component of the Work, Contractor shall furnish samples of such Materials and make available the Work for such testing. Contractor shall cooperate with all such testing performed by others. If Owner Parties determine any Work requires special inspection or testing, Owner Parties may instruct Contractor to order such special inspection or testing. Contractor shall promptly do as ordered, and shall give to Owner Parties reasonable prior notice of the date and time of such special inspection or testing. Any testing performed or requested by or through Owner Parties shall not relieve Contractor of its responsibility to ensure the Work meets the Contract Documents' requirements.

4.10.4 Contractor's Expense. If any inspection or testing reveals Defective Work, or if Work is otherwise not approved by Governmental Authorities having jurisdiction, Contractor shall bear all costs associated with correction of such Work, including compensation for Owner Parties' additional services attributable to such failure.

4.11 Cutting and Patching. Contractor shall be responsible for coordinating all cutting, fitting, and patching of the Work to make its several parts come together properly and fit to receive other Work or the work of others. Contractor shall be responsible for restoring all cut, fitted, or patched surfaces to an original condition; provided, however, that if a different condition is specified in the Contract Documents, then Contractor shall be responsible for causing such surfaces to meet the conditions specified in the Contract Documents. Contractor shall not damage or endanger completed Work, the existing improvements, or the work of Owner's Separate Contractors. Contractor shall not cut or otherwise alter the work of Owner's Separate Contractor except with prior written consent and Contractor shall not unreasonably withhold from Owner's Separate Contractors consent to cutting or otherwise altering the Work.

4.12 Cleaning Up. At all times Contractor shall keep the Site free from accumulation of waste materials, rubbish, and debris. Contractor shall keep and maintain adequate on-Site refuse containers and dumpsters to collect and deposit daily excess construction debris. If Contractor fails to keep the Site in a clean and orderly manner, Owner may, with reasonable prior written notice sufficient to provide Contractor an opportunity to cure, perform cleaning duties and charge their costs to Contractor by offset to any payments due under the Agreement.

In conducting its operations and when performing the Work, Contractor shall use its best efforts to prevent the release of dust and accumulation of mud at the Site. Prior to the dates of Substantial Completion and Final Completion, Contractor shall clean the Site and remove all debris, rubbish, and containers, and take away from the Site Contractor's tools, equipment, machinery, and those surplus Materials to which Owner has chosen not to take possession.

4.13 Project Close-Out.

4.13.1 Close-Out Plan. Contractor shall develop and deliver to Owner Parties a Close-Out plan at least thirty (30) Days before the date of Substantial Completion of the Project or a Deliverable Portion of Work, as applicable. Each Close-Out plan shall establish dates of: (i) Owner's

partial and full occupancy of the Project or Deliverable Portion of Work, as applicable; (ii) all relevant Substantial and Final Completion inspections; (iii) expected issuance of all relevant temporary and permanent certificates of occupancy; (iv) equipment startup, balancing, testing, and training; (v) commencement and transfer to Owner of all utility accounts and charges and manufacturer and supplier warranties; (vi) transfer of spare parts and remaining Materials (of which Owner chooses to retain); and (vii) transfer of Record Documents as required.

4.13.2 As-Built Documents. As a condition of Final Completion, Contractor shall provide to Owner a complete set of As-Built Documents, in duplicate and in digital format. As-Built Documents shall depict the Project as constructed and shall reflect each change, modification, and deletion made during construction. As-Built Documents include all modifications to the Contract Documents unless otherwise directed.

4.13.3 Operation and Maintenance Manuals. Contractor shall prepare operation and maintenance manuals ("O & M Manuals") containing a complete set of: all Submittals; training information; a telephone list and contact information for all consultants, manufacturers, installers, and suppliers; manufacturers' printed data; approved relevant Shop Drawings; schematic diagrams of systems; appropriate equipment indices; and warranties and bonds. As a condition to Substantial Completion, Contractor shall submit two (2) completed O & M Manuals for Owner Parties' prior review and approval. Owner Parties will review and return one O & M Manual containing any modifications, adjustments, or additional information required. Owner Parties' receipt of one (1) physical and one (1) electronic copy (in pdf file format) of the final approved O & M Manuals shall be a condition precedent to any payment thereafter due.

4.13.4 Training. As part of the Work, and prior to the date of Substantial Completion, Contractor shall schedule with Owner training sessions for all equipment and systems installed as part of the Work. Contractor shall schedule training sessions at least two (2) weeks in advance of the date of training to provide Owner adequate notice and time to coordinate. In addition to any off-site training required, training shall include a formal session conducted at the Project in the users' normal operating environment.

4.13.5 Excess Materials. Contractor shall provide to Owner spare parts, extra maintenance materials, and other Materials, as specified in the Contract Documents, upon Substantial Completion. Any additional Materials not required to be delivered to Owner under the Contract Documents (the "Spare Materials") shall be accounted for by Contractor and offered to Owner. If Owner refuses to accept all or part of the Spare Materials, Contractor shall credit Owner the fair market value of the unaccepted Spare Materials in the final Application for Payment and shall promptly remove them from the Site.

4.13.6 Contractor's Personnel On-Call. During the first three (3) months following Substantial Completion and Owner's full occupancy of the Project or a Deliverable Portion of Work, as applicable, Contractor shall have appropriate personnel on-call to deal with break-down, inoperability, or other issues with major systems of the Work in accordance with the on-call parameters set forth in *Exhibit ___*. If such problems arise at the conclusion of such three (3) month on-call period, all on-call personnel shall remain on-call until the issue proves to be resolved for an additional period of not less than two (2) weeks.

4.13.7 Other Responsibilities. Contractor shall be responsible for returning to Owner all of Owner's property issued to Contractor during the term of the Project, including keys, security passes, and site admittance badges. Upon Owner's full occupancy of the Project or a Deliverable Portion of Work, as applicable, and in accordance with the Project's Close-Out plan, Contractor shall coordinate the transfer of all utility company accounts relating to the Project to the Owner.

4.14 Right to Stop Work. If Owner fails to pay to Contractor, within thirty (30) Days after due, any undisputed amount under the Contract Documents, Contractor shall have the right to stop Work after fifteen (15) Days' additional prior written notice to Owner, until Owner delivers to Contractor such overdue payment, with interest, if interest is required by the Contract Documents.

ARTICLE 5

SUBCONTRACTS

5.1 Award of Subcontracts. Subcontract awarding shall adhere to the procedures and requirements of the Contract Documents. Once awarded and unless terminated for cause, Contractor shall not substitute any Subcontractor, or person or entity under a Subcontract, without Owner Parties' prior written consent.

5.2 Form and Content.

5.2.1 Form of Subcontract. Upon request, Contractor shall submit to Owner Parties for prior review and approval the form of Subcontract. If Owner Parties disapprove such form, Contractor shall revise and resubmit to Owner Parties the form of Subcontract until approved. Owner Parties' review, comment upon, and approval of, any such form, shall not relieve Contractor of its obligations under this Agreement. Unless otherwise waived in writing by Owner, all Subcontracts shall be awarded on a fixed lump-sum price basis. Upon request, Contractor shall supply Owner Parties with copies of all fully-signed Subcontracts.

5.2.2 Certain Terms of Subcontract. In addition to Owner Parties' right to review Subcontracts in *Section 5.2.1* above, certain terms shall be included in each Subcontract, as set forth below:

- .1 Owner shall be a third party beneficiary of each Subcontract and Owner's rights and remedies under each Subcontract shall be all those of Contractor, including the right to be compensated for any loss, expense, or damage incurred resulting from Subcontractor's breach of express or implied terms and Subcontractor's error, omission, or negligence in its performance;
- .2 following advance written notice to Contractor, Owner Parties may contact Subcontractor, to discuss Subcontractor's services; provided, however, such contact with Subcontractor shall not be construed to be Owner Parties' instructions concerning performance of Work;
- .3 each Subcontractor shall meet the insurance requirements set forth in these General Conditions, including, but not limited to, naming Owner as an additional insured on applicable liability policies;
- .4 a "no damage for delay" clause as set forth in *Section 7.2.6* of these General Conditions;
- .5 a payment clause that obligates Subcontractor to pay its Sub-subcontractors for Work satisfactory performed but unpaid within ten (10) Days of Contractor's payment to Subcontractor for such Work;
- .6 Contractor's rights and duties under the Subcontract shall be assignable, for the same fixed lump-sum price, to Owner or Owner's designee upon Owner's written notice to Subcontractor and to Contractor;

.7 Subcontractor shall expressly consent to conditional assignment to Owner of its Subcontract and continued diligent performance of Work;

.8 Subcontractor shall promptly notify Owner of any Contractor default, whether under the Agreement, or its Subcontract;

.9 Contractor may terminate upon ten (10) Days' prior written notice each Subcontract for a default or convenience identical in substance to Owner's right to terminate under *Section 13.2* of these General Conditions.

5.2.3 **Flow-Down.** Contractor shall require each Subcontractor and each Subcontractor shall require each Sub-subcontractor, to be bound by these General Conditions and any Supplemental General Conditions, and to assume toward Contractor and Subcontractor, as the case may be, all of the obligations and responsibilities the Contractor assumes toward the Owner, unless (i) the same are clearly inapplicable to the contract at issue because of legal requirements or industry practices, or (ii) Contractor requests specific exceptions that Owner approves in writing.

5.3 **Conditional Assignment.** Contractor hereby conditionally assigns to Owner its rights to all Subcontracts, subject to Contractor's sureties' rights, under their bonds. Owner may exercise, at its election, this assignment if Owner terminates the Agreement in whole or in part, or directly or indirectly takes control of all or any portion of the Work. In so doing, Owner may reassign the Subcontracts to any other Person or entity.

5.4 **Right to Review.** Owner has the right to review Subcontracts at any time during the Project and at any time during the audit period prescribed in the Contract Documents after Final Completion. Contractor shall, within three (3) Days of receiving written request from Owner or Owner's agent, submit to the requesting party a complete copy of the requested Subcontract. If Owner's or Owner's agent's request to review a Subcontract can be interpreted to cover more than one Subcontract, Contractor shall submit complete copies of all Subcontracts relevant to the request.

5.5 **Conditions to Payment.** As a condition to Owner's performance, Contractor shall: (i) make payment promptly when due, and in no event greater than ten (10) Days after receiving payment from Owner, to all Persons supplying to Contractor labor or Materials for prosecution of the Work; (ii) pay all contributions required by and amounts due the State Industrial Accident Fund incurred in performance of the Contract Documents; (iii) not permit any lien or bond claim to be filed or prosecuted against Owner or surety on account of any labor or Material furnished; (iv) not assign any claims or Claims that Contractor may have against Owner, nor assign any rights to payment from Owner, and will not make any agreement or act in any way to give Subcontractors standing to bring a claim or a Claim against Owner; (v) pay to the Department of Revenue all sums withheld from employees pursuant to ORS 316.167.

ARTICLE 6

PAYMENT

6.1 **Contract Sum.** A Contract Sum shall be subject to adjustment only when Owner so authorizes in writing.

6.1.1 **Sales and Use Tax.** As a condition precedent to commencement of the Work, Owner and Contractor shall agree upon a sales and use tax (collectively, "Taxes") applicability guideline. In the event Tax is chargeable to any portion of the Work, the Contract Sum shall include all such Tax unless directly paid by Owner. In the event Contractor pays such Tax directly, all invoices and Applications for Payment that include Work subject to Tax shall clearly state "sales tax paid" and

specifically identify such taxable Work. In the event Owner pays such Tax directly, the Contract Sum shall not include Tax and Owner shall provide to Contractor the necessary certificates evidencing the same.

6.1.2 Back-Up Documents; Audit Rights. Contractor shall cause to be kept and maintained, at a location subject to Owner's prior written approval, all records of expenditures for Project-related services rendered and Work performed, including petty cash accounts and receipted invoices. Such records shall conform to the Contract Documents' requirements and to generally accepted accounting principles (GAAP). Contractor shall furnish Owner with statements of such expenditures, with complete documentary back-up for each ("Back-Up Documents"), with every Application for Payment, for costs of services, labor, Materials, and expenses included in the same. In addition to these monthly statements, Owner Parties shall have access to all of Contractor's Project accounting, records, and documentation pertaining to all Work (the "Audit Documents") upon request at any time from the Agreement's effective date until the expiration of a period of ten (10) years after Final Completion. Owner Parties shall have the right to produce copies of Audit Documents, at reasonable times and places, reasonably necessary for Owner Parties to audit and certify the nature and amount of the Contract Sum. Such Audit Documents subject to audit include, but are not limited to, those records pertaining to direct and indirect costs, including overhead, as they may apply to the Project. Contractor shall produce for Owner Parties those Audit Documents kept in digital form in a computer readable format in an exchange format suitable to Owner Parties.

.1 Owner shall bear the costs of its audits; provided, however, if an Owner Parties' audit discloses overcharges to Owner of any kind ("Overcharges"), in excess of one-half of one percent (0.5%) of the total invoiced Contract Sum, Contractor shall pay to Owner the total amount of the Overcharges and the reasonable actual cost of the audit. If an Owners Parties' audit discloses Overcharges less than one-half of one percent (0.5%) of the total invoiced Contract Sum, Contractor shall pay to Owner only the total amount of the Overcharges. Any payments that Contractor must make due to results of an Owner Parties' audit shall be made within ninety (90) Days of Owner's presentation to Contractor of the audit. If Contractor disagrees with an Overcharges finding, Contractor shall have a Claim.

.2 Notwithstanding the required retention time of Contractor's Audit Documents above, if for any reason any part of the Work or the Contract Documents is the subject of litigation, Contractor shall retain all Audit Documents until all such litigation is complete, all periods for appeal have expired, and full and final satisfaction of any judgment, order, or decree is recorded (the "Litigation Hold Period"). During the Litigation Hold Period, Owner Parties shall continue to have full access to the Audit Documents at the times and in the manners set forth above.

6.2 Schedule of Values.

6.2.1 Approval. Contractor shall submit to Owner Parties for approval, at least ten (10) Days prior to submission of its first Application for Payment, a Schedule of Values. Contractor shall revise and resubmit the Schedule of Values as necessary to meet Owner Parties' approval. The Schedule of Values shall demonstrate reasonable, identifiable, and measurable components of the Work, as separate line items for each major item of Work, general conditions work, Fee, and Construction Contingency, among other items as Owner Parties may reasonably require, all of which shall be supported by data to substantiate its accuracy. The approved Schedule of Values, unless objected to by Owner Parties, shall be used as a basis for reviewing Contractor's Applications for Payment. Once approved, Contractor's requested changes to the Schedule of Values shall be subject to Owner Parties' prior approval and supported by data to substantiate its accuracy.

6.2.2 Periodic Statements. Upon request from time to time, Contractor shall provide to Owner Parties a written summary of all outstanding, incomplete Work necessary to achieve Final Completion, and the total unpaid cost of that Work (a "Statement of Outstanding Work"). Each Statement of Outstanding Work shall contain sufficient information to allow Owner Parties to determine if the applicable Work can be completed for the Contract Sum and within the Contract Time. However, no such statement shall relieve Contractor of its obligations to complete the applicable Work for the Contract Sum and within the Contract Time.

6.3 Applications for Payment.

6.3.1 Supporting Documents. For each payment period established in the Agreement, Contractor shall submit to Owner Parties an Application for Payment together with: (i) an updated Progress Report; (ii) a schedule of the percentages of the various parts of the Work completed, based on the Schedule of Values; (iii) Contractor's and Subcontractors' payroll certifications pursuant to Section 1.5.4 of these General Conditions; (iv) all relevant Back-Up Documents; (v) an up to date Project Schedule and Construction Schedule; and (vi) other supporting documentation as required by the Specifications and the Agreement (collectively, the "Supporting Documents").

6.3.2 Accuracy of Application. Applications for Payment shall be accurate and based upon estimates of Work completed in accordance with the Schedule of Values. Each Application for Payment shall include, on the face of each copy, Contractor's statement in substantially the following form, dated and bearing Contractor's signature:

"I, the undersigned, hereby certify that the above Application for Payment is true and correct, and payment for the same, has not yet been received."

Owner Parties may reject any improper or incomplete Application for Payment until Contractor corrects and resubmits the same. However, Owner Parties reserve the right, instead of requiring Contractor to correct or resubmit a defective or improper Application for Payment, to reject the defective or improper portion of such Application for Payment and pay the remainder of such amounts that are proper and correct.

6.3.3 Stored Materials. Unless otherwise provided in the Contract Documents, Owner shall make payments on account of Materials not incorporated in the Work but delivered and suitably stored at the Site. If approved by Owner in advance, Owner may similarly make payments for Materials suitably stored at a location other than the Site, if agreed upon in writing. As a condition precedent to Owner's payments for Materials stored on or off the Site, Contractor shall submit with its Applications for Payment that include such Materials, photographs of Materials and evidence (e.g., bills of sale), satisfactory to Owner to establish Owner's title to or otherwise protect Owner's interest in, the same.

.1 Contractor shall include with its Applications for Payment that include Materials stored off-Site, costs and evidence of applicable insurance, storage, and transportation to the Site. Owner Parties shall have the right to access, remove, and inspect, at any time during the Project, Materials stored off-Site for which Owner has paid.

.2 In consideration of Contractor's ability to store certain Materials off-Site, Contractor waives and releases any Claims it may have against Owner, either directly or through Contractor's insurer, for damage to or loss of, such Materials not stored at the Site.

.3 Contractor shall name Owner as additional named insured on the insurance policy covering the full value of the property while in the care and custody of the Contractor until installed in the Project. A certificate noting this coverage shall be issued to Owner.

6.3.4 **Failure to Pay Subcontractors and Suppliers.** Applications for Payment shall not include requests for payment of Work for which Contractor does not intend to pay a Subcontractor or Supplier assigned to such Work, unless Contractor intends to pay others who actually performed such Work.

6.3.5 **Title to Work.** Contractor warrants that title to all Work covered by each Application for Payment will pass to Owner no later than the time of payment on account of such Application for Payment. Contractor further warrants that upon submittal of each Application for Payment, all Work for which payments have been received shall be free and clear of all liens, bond claims, Claims, security interests, and other encumbrances arising from or relating to the Work. This *Section* shall not relieve Contractor of: (i) its sole responsibility for all Work, (ii) any obligation to restore damaged Work, or (iii) its requirement to fulfill of all the terms of the Contract Documents, including, but not limiting, correction of any Defective Work. However, until Owner takes occupancy of all or any portion of the Project, as the case may be, all Work and Materials shall continue to be in the care and custody of Contractor, who shall bear the risk of loss for the same except to the extent insured pursuant to *Article 8*. The provisions of this *Section* concerning title to Work for which Owner makes payment shall not constitute an acceptance of the Work, except as otherwise set forth in the Contract Documents.

6.3.6 **Incorrect Applications for Payment.** If an Application for Payment is incorrect, lacks the required Supporting Documents set forth in this *Section 6.3*, or when there is a good faith dispute concerning the Work for which it is submitted, Owner Parties shall endeavor to notify Contractor within fifteen (15) Days of its receipt of such Application for Payment, stating the reasons it is rejected. If Contractor corrects the rejected Application for Payment within seven (7) Days of Owner Parties' notification to Contractor, payments due shall be made in accordance with *Section 6.5* below.

6.4 **Certificate for Payment.** Owner Parties will review each Application for Payment and either: (i) issue to Owner a Certificate for Payment indicating Contractor is due the amount set forth in such Application for Payment; (ii) issue to Owner a Certificate for Payment indicating Contractor is due an amount less than as requested, in which case the Certificate shall state the amount due, or (iii) notify Owner in writing of reasons to withhold payment. In the event Owner Parties determine Contractor is not entitled to the amount requested in an Application for Payment, Owner Parties shall forward to Contractor the reasons for withholding all or a portion of the payment requested. In the event Contractor disputes amounts withheld, Contractor shall have a Claim for such amounts.

Owner Parties' issuance of a Certificate for Payment constitutes a representation to Owner that, based on Owner Parties' Site observations and the data comprising the Application for Payment, the Work has progressed to the point indicated in Contractor's Application for Payment, that, to the best of Owner Parties' knowledge, information, and belief, the quality of the Work is in accordance with the Contract Documents, and that Contractor is entitled to payment in the certified amount.

6.5 **Progress Payments.** Provided no liens or bond claims related to the Work have been filed against the Project after Owner Parties issue a Certificate for Payment, and provided no Governmental Authorities have raised objections to the Work, Owner shall make payment to Contractor in the manner set forth in the Agreement. Upon its receipt of Owner's payment, Contractor shall promptly and within ten (10) Days, pay each Subcontractor the amount to which it is entitled, on account of such Subcontractor's Work, and each Subcontractor shall promptly pay its Sub-subcontractors and Suppliers in similar fashion. Owner Parties shall not, however, have any obligation to see that monies due to any Subcontractor are so paid, except as may otherwise be required by law.

6.5.1 Payment Not Acceptance. Owner's progress payments, partial payments, final payment, and Owner's use or occupancy of all or a part the Project, shall not constitute an acceptance of any Defective Work.

6.5.2 EFT Payments. Owner, upon written notice to the Contractor, may elect to make payments to Contractor by means of Electronic Funds Transfers (EFT) through automated clearinghouse payments. If Owner makes this election, Contractor shall make the necessary arrangements to receive such EFT payments.

6.5.3 Payment Directly to Subcontractors. Unless Contractor advises Owner of a good faith dispute concerning payment due to a Subcontractor or Supplier, Owner may make payments directly or jointly to Subcontractors and to Suppliers who seek payment for work included in an Application for Payment. Contractor shall credit against the Contract Sum such amounts that Owner directly pays. However, Owner's direct payments to Subcontractors or Suppliers shall not relieve Contractor or Contractor's surety from their obligations to payment claims or demands.

6.5.4 Retainage. Owner will not retain an amount in excess of five percent (5%) of that portion paid for Work completed. If Contractor has performed at least fifty percent (50%) of the Work of a Deliverable Portion of Work and is progressing satisfactorily, upon the Contractor's submission of written application containing the surety's written approval, Owner Parties may, in their sole discretion, reduce or eliminate retainage on any remaining progress payments for that Work. Owner Parties will respond in writing to all such applications within a reasonable time. Upon Contractor's written recommendation to Owner Parties, which shall necessarily include applicable sureties' written approval, Owner will consider early release of retainage for Subcontractors whose Work is completed prior to Substantial Completion of all applicable Work; provided, however, the final decision whether to release such retainage shall be in Owner's sole discretion and Contractor shall promptly pay the same to the appropriate Subcontractor. When the Work of a Deliverable Portion of Work is ninety-seven and one-half percent (97.5%) completed, Owner Parties may, in their sole discretion and without application by the Contractor, reduce the retainage amount to one hundred percent (100%) of the remaining unpaid Contract Sum. Owner Parties may at any time reinstate retainage. Retainage will be included in the final payment under the Contract Documents.

If the Contract Sum exceeds one million dollars (\$1,000,000), Contractor may request retainage be deposited in an interest-bearing account at a financial institution upon which Owner and Contractor agree. Title to such retainage funds will remain in the Owner until the applicable Work is complete and accepted. Interest on deposited retainage, less the financial institution's fees necessary to open and maintain the account, shall accrue to the benefit of the Contractor but remain in the retainage account until the Owner accepts all Work.

6.5.5 Subcontractor Retainage. Unless Owner gives prior approval, Contractor's payments to Subcontractors and Suppliers shall be subject to retainage of five percent (5%).

6.5.6 Retainage Alternatives. In lieu of cash retainage as set forth above, Contractor may substitute one of the following:

.1 *Deposit of Securities*. Contractor may deposit bonds or securities with Owner or in any bank or trust company approved by Owner, as retainage. In any event, all such bonds and securities shall be held for Owner's benefit. Bonds and securities deposited or acquired in lieu of cash as retainage will be of a character approved by Owner, including: (i) bills, certificates, notes, or bonds of the United States; (ii) other obligations of the United States or its agencies; (iii) obligations of any corporation wholly owned by the United States federal government; or (iv) indebtedness of the Federal National Mortgage Association.

If Contractor deposits bonds or securities in lieu of cash as retainage, the cash value of such bonds or securities will reduce the cash retainage by an equal amount, and Owner shall reimburse Contractor the excess cash retainage. Following Final Completion, after Owner determines all requirements for the protection of its interests have been fulfilled, Owner will release to the Contractor all bonds and securities deposited in lieu of cash as retainage.

.2 ***Deposit of Surety Bond.*** Owner may, in a form acceptable to it and in its sole discretion, allow Contractor to deposit with Owner a surety bond as retainage in lieu of all or a portion of cash retainage or to be retainage for the Project. A Contractor depositing such a surety bond shall also accept surety bonds from Subcontractors and Suppliers in lieu of cash as retainage. If Contractor deposits a surety bond as retainage, the value of such bond will reduce the cash retainage by an equal amount, and Owner shall reimburse Contractor the excess cash retainage.

6.5.7 **Retainage Handling Costs.** Owner shall have the right to recover from Contractor by reduction to the final payment, its costs for handling cash retainage and securities.

6.5.8 **Release of Retainage.** Owner's release of retainage shall not constitute acceptance of Work that fails to conform to the Contract Documents.

6.6 Right to Withhold Payment. Notwithstanding any provision of the Contract Documents to the contrary, Owner shall have the right to withhold payment to Contractor as necessary to protect itself if, after written notice and reasonable opportunity to cure: (i) Contractor is in default of any of its Contract Documents obligations; (ii) Owner reasonably believes any part of a payment due is attributable to Project services or Work that fails to conform to the Contract Documents' requirements, except that Owner shall make payment attributable to services or Work that does conform to the Contract Documents' requirements; (iii) Contractor causes damage to the Work, Owner, or Owner's Separate Contractors; (iv) Contractor fails to timely make payments due and owing to Subcontractors or Suppliers who contributed to Work for which Owner has paid Contractor and for which Contractor has given to Owner no notice of its good faith dispute concerning the unpaid Subcontractor or Supplier; (v) reasonable doubt that Contractor can complete the Work in accordance with the Contract Documents, including the Construction Schedule; (vi) Owner determines, based on a Statement of Outstanding Work or otherwise, that the Work of a Deliverable Portion of Work cannot be completed for the Contract Sum unless and until Contractor furnishes a reasonable and satisfactory statement and plan showing and certifying that the Work can be completed for the Contract Sum, or Contractor, at no cost to Owner, causes a sufficient portion of the applicable Work to be performed such that the unpaid portion of the Contract Sum is reasonably sufficient to complete the Work; (vii) reasonable evidence that the Work of a Deliverable Portion of Work will not be completed within the Contract Time, and the unpaid Contract Sum balance will not be adequate to cover Owner's damages for the Delay; (viii) entitlement to offset for assessment of Liquidated Damages; (ix) reasonable evidence of probable third party claims, unless Contractor furnishes to Owner acceptable security.

6.7 Completion Milestones.

6.7.1 **Substantial Completion.** When Contractor considers a Deliverable Portion of Work Substantially Complete, Contractor shall prepare for Owner Parties' review and approval a comprehensive list of incomplete and unsatisfactory items. Owner Parties will edit and supplement this list, as appropriate, and when approved the list shall be the Punch List for such Deliverable Portion of Work. Contractor and Owner Parties shall also, at the same time they develop the first Punch List, establish a schedule (the "Punch List Schedule") setting forth anticipated dates for Owner Parties' inspections of all anticipated Deliverable Portions of Work to determine Substantial Completion and Final Completion of the same.

.1 Notwithstanding anything to the contrary contained in the Contract Documents, a Deliverable Portion of Work with systems - e.g., mechanical, electrical, HVAC - shall not be considered Substantially Complete until it has demonstrated a minimum of thirty (30) consecutive Days of successful, trouble-free operation, beginning after all inspections and testing have been completed for such Deliverable Portion of Work.

.2 Once a Punch List and Punch List Schedule are mutually accepted, Owner Parties will inspect the Project to determine if each Deliverable Portion of Work is Substantially Complete. During inspection, if Owner Parties determine any incomplete or incorrect item, whether or not included on the Punch List, causes the Deliverable Portion of Work to fail to be Substantially Complete, Contractor shall be given notice and shall promptly correct such item. Following completion of all incomplete items, Contractor shall request that Owner Parties' re-inspect the Deliverable Portion of Work to again determine if it is Substantially Complete. When Owner Parties determine a Deliverable Portion of Work is Substantially Complete, Owner Parties will prepare a certificate (a "Certificate of Substantial Completion") that will establish the date of Substantial Completion of that Deliverable Portion of Work, fix the time within which Contractor shall complete and correct items noted in that Certificate of Substantial Completion, and designate the responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, and insurance pertaining to such Deliverable Portion of Work.

.3 Upon receipt of a Certificate of Substantial Completion, Contractor shall diligently complete all items of incomplete Work and repair all Defective Work, including those identified in the applicable Punch List and Certificate of Substantial Completion. However, failure by any party to include an item on the Punch List or in the Certificate of Substantial Completion shall not alter Contractor's responsibility to complete all Work in accordance with the Contract Documents.

.4 In accordance with the Punch List Schedule, Owner Parties anticipate they will make an initial visit and one re-inspection for each of Contractor's Deliverable Portions of Work. If, after making a re-inspection, Owner Parties determine a Deliverable Portion of Work is not Substantially Complete or that previously scheduled Punch List Work has not been completed, Contractor shall pay, without Owner's reimbursement, Owner Parties' costs and expenses resulting from additional inspections necessary for Owner Parties to issue Certificates of Substantial Completion.

6.7.2 Payment Upon Substantial Completion. When Owner Parties issue a Certificate of Substantial Completion and Contractor submits an applicable Application for Payment, Owner shall make payment to Contractor, reflecting adjustment in retainage, if any, as provided in the Contract Documents. However, Owner shall not release retainage to Contractor that will result in Owner holding total retainage less than twice the amount that Owner Parties determine necessary to complete and correct all items on an applicable Punch List.

6.7.3 Commencement of Warranties. Applicable warranties required by the Contract Documents shall commence on the date of Substantial Completion of each Deliverable Portion of Work unless otherwise set forth in a Certificate of Substantial Completion. Contractor will collect all written guaranties, warranties, and equipment manuals, and deliver them to Owner upon Substantial Completion of each Deliverable Portion of Work.

6.7.4 Delay. After Owner Parties issue a Certificate of Substantial Completion for a Deliverable Portion of Work, if Final Completion of that Deliverable Portion of Work is subject to material Delay through no fault of Contractor or by the issuance of Change Orders affecting Final

Completion of that Deliverable Portion of Work, Contractor shall be entitled to the balance due for that Deliverable Portion of Work fully completed, accepted, and certified as complete by Owner Parties. However, if the balance of the Contract Sum for Work not fully completed or corrected is less than the retainage then held by the Owner and bonds have been furnished for the Project, Contractor shall forward to Owner Parties the written consent of Contractor's surety to the payment of the balance due for Work fully completed and accepted. Any such payment shall not constitute a waiver of Owner's Claims.

6.7.5 Final Completion. Following (a) issuance of a Certificate of Substantial Completion for a Deliverable Portion of Work and (b) Contractor's completion of all Work of that Deliverable Portion of Work, including the applicable Punch List, but not more than forty-five (45) Days after Substantial Completion, Contractor shall forward to Owner Parties written notice that the applicable Work is ready for inspection together with a final Application for Payment for such Work. Upon receipt, Owner Parties will promptly inspect the subject Work and, when Owner Parties determine the Deliverable Portion of Work meets the Contract Documents' requirements, will issue a Certificate for Payment approving final payment due Contractor for the applicable Work.

.1 Owner Parties' approval of a final payment represents that, to the best of Owner Parties' knowledge, information, and belief, and on the basis of observations and inspections, the Work subject to final review and payment has been completed in accordance with the terms and conditions of the Contract Documents, the conditions precedent to Contractor's entitlement to final payment for the Deliverable Portion of work are met, and the entire balance noted in the applicable Certificate for Payment is due and payable to Contractor.

.2 As part of Contractor's notice to Owner Parties of Final Completion, or as a separate written notice submitted with or before the notice of Final Completion, and as a condition precedent to Owner's obligation to make final payment, Contractor shall furnish Owner Parties with written confirmation that all environmental and pollution clean-up, remediation, and closure have been completed in accordance with all Applicable Laws. Contractor shall provide to Owner Parties all documentation related to the same, including directives, orders, letters, certificates, and permits. Contractor's notice shall further reaffirm its grant to Owner of indemnification given under *Section 9.5.3* of these General Conditions.

6.7.6 Payment Upon Final Completion. The final payment requirements of this *Section 6.7.6* shall apply to the Project and to Deliverable Portions of Work, as applicable and as set forth in the Contract Documents. Final payment, including release of all retainage, shall not be due until Final Completion of the Project of the Deliverable Portion of Work, as applicable, and until Contractor has timely furnished to Owner Parties: (i) an affidavit stating that to Contractor's best knowledge, information, and belief, all payrolls, bills for Materials, and other indebtedness connected with such Work (less amounts withheld by Owner) have been satisfied; (ii) payroll certifications pursuant to *Section 1.5.4* of these General Conditions (iii) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is and will remain in effect and will not be canceled or expire without at least thirty (30) Days' prior written notice to Owner; (iv) Contractor's written statement that it knows of no reason all required insurance will not be renewable to cover the period required by the Contract Documents; (v) all warranties and guaranties required by the Contract Documents; (vi) three reproducible copies and an electronic copy of Record Documents; (vii) surety's consent to final payment; (viii) applicable Certified Diverse Business Reports; (ix) final affidavits and releases of liens and bond claims, as well as satisfactions for liens and bond claims filed on account of the Work of the Deliverable Portion of Work and such other affidavits, waivers, and releases as Owner

may reasonably require in order to assure lien and claim-free completion of such Work; and (x) if Owner requires, other data establishing payment or satisfaction of obligations, such as receipts, releases and waivers of liens, claims, Claims, security interests or encumbrances arising out of the Deliverable Portion of Work, to the extent and in such form as may be reasonably designated by Owner. If any such lien or bond claim remains unsatisfied after final payment, Contractor shall immediately refund to Owner all monies that the latter may be compelled to pay in discharging such lien or bond claim, including all costs and reasonable attorney fees.

.1 Contractor's acceptance of final payment shall constitute a waiver of all Claims applicable to the Deliverable Portion of Work for which such final payment is made by Contractor, Subcontractors, Sub-Subcontractors, Suppliers and all other Persons delivering services, labor, or Materials to the Project, except those previously made in writing and identified by Contractor as unsettled, at the time of the applicable final Application for Payment.

.2 Owner's final payment shall not extinguish, satisfy, or waive any of the Contract Documents' obligations or procedures.

6.7.7 Final Inspection. On or about a date eleven (11) months after Substantial Completion of a Deliverable Portion of Work, Contractor shall, together with Owner Parties, attend a final inspection of the Work to ensure that it comports with all warranties and guarantees. Contractor shall promptly correct any deficiencies noted during such inspection.

6.8 No Liens; No Bond Claims. Contractor shall permit neither the Project nor any of the Work from incurring any claim, bond claim, lien, charge, or encumbrance. Contractor shall, after first receiving notice of any such claim, bond claim, lien, charge, or encumbrance, immediately pay and discharge of record the same.

ARTICLE 7

TIME

7.1 Progress and Completion. All time limits stated in the Contract Documents are of the essence of the agreement between Owner and Contractor. Contractor shall begin each phase of the Project, where applicable, in accordance with the Project Schedule and shall commence the Work on the dates set forth in the applicable Construction Schedule. Contractor shall carry out the Work expeditiously, with adequate forces, and shall achieve Substantial Completion in accordance with the Project's milestones, the Construction Schedule, and within the Contract Time.

7.1.1 Periodic Statements. At Owner's request, from time to time, Contractor and Owner Parties shall each provide a written statement setting forth the date on which each reasonably believes each Deliverable Portion of Work will be Substantially Complete. However, no such statement shall relieve Contractor of its obligations to complete the Work in accordance with the Contract Documents.

7.1.2 Acceleration Upon Default. If, in Owner Parties' reasonable judgment, Contractor: (i) fails to supply a sufficient number of qualified workers or Materials to prevent Delay; (ii) fails in any way to prosecute the Work or proceed in accordance with the Construction Schedule, or (iii) fails to meet the material covenants of the Contract Documents, Owner shall have the right to direct Contractor to accelerate completion of the Work without adjustment to the Contract Sum and until such time as the amount and timing of the completed Work complies with the Construction Schedule. Owner's right to compel acceleration includes demanding Contractor provide additional labor or

expedited deliveries of Materials, and perform overtime, additional shifts, or re-sequencing the Work. Costs of such acceleration may be funded, with Owner's prior written approval, from any available Construction Contingency, if not recoverable from Subcontractors. Owner's right to demand acceleration under this *Section* shall not limit other rights and remedies Owner may have.

7.2 Delays and Extension of Time.

7.2.1 Delays Generally. Contractor shall be granted an extension of time for each Unavoidable Delay (defined below) in accordance with *Section 7.2.4* below. Contractor shall not be granted an extension of time for any Avoidable Delay (also defined below).

7.2.2 Force Majeure. "Force Majeure" shall mean an act, event, or occurrence caused by fire, riot, war, acts of God, tornado, hurricane, named storms, flood, earthquake, explosion, public enemy, civil disturbance, embargo, unusual and abnormal severe and adverse weather, or any other act, event or occurrence that is beyond the reasonable expectation or control of the party who is asserting an inability to conform to Contract Documents' requirements. Unusually and abnormal severe and adverse weather shall not include weather events that could be reasonably anticipated from the previous 10-year historical records of the general locality of the Site. Such historical records shall be from the Office of the Environmental Data Service of the National Oceanic and Atmospheric Administration of the U.S. Department of Commerce nearest the Site. However, notwithstanding such historical records, (a) daily rainfall greater than one-half (1/2) inch during a month when the monthly rainfall exceeds the normal monthly average by at least twenty-five percent (25%) or (b) daily rainfall greater than three-quarter (3/4) inches, cannot be reasonably anticipated.

7.2.3 Avoidable Delays. An "Avoidable Delay" is any Delay other than an Unavoidable Delay, and those Unavoidable Delays that could have been avoided, because: (i) Contractor, Subcontractors, or Sub-subcontractors failed to exercise care, prudence, foresight, or diligence; (ii) such Delay only affects a portion of Work that does not necessarily interfere with prosecution of other parts of the Work; (iii) such Delay does not impact the Project's critical path; or (iv) such Delay results from Owner's Separate Contractors' work that does not necessarily prevent the timely completion of all Work.

7.2.4 Unavoidable Delays. An "Unavoidable Delay" is any Delay that is not due to the direct or indirect fault of Contractor, Subcontractor, Sub-subcontractors, Suppliers, or any of their respective agents, employees, or contractors, and that affects the Project's critical path. Unavoidable Delays include: (i) Delays caused by Owner and Owner's employees and agents, or by Owner's Separate Contractors; (ii) Delays caused by Force Majeure that in fact adversely impact the Project in a manner that could not have been avoided by rescheduling or by implementing protective measures; (iii) Delays caused by any differing Site conditions in accordance with *Section 10.3.4* of these General Conditions.

If Contractor's delivery of services or performance of the Work is impacted by an Unavoidable Delay, Contractor's sole remedy shall be an equitable extension to time and a Claim for documented increases to on-Site general conditions costs; provided, however, in each instance Contractor must first meet the notice provisions and other conditions of the Contract Documents, including *Section 12.1* of these General Conditions. Notwithstanding the foregoing, Contractor shall not be granted relief: (i) due to Contractor's financial inability to perform; (ii) unless a Delay is an Unavoidable Delay and affects the Project's or phase's critical path as set forth in the applicable Construction Schedule, and then only to the extent such critical path is affected; or (iii) if a Delay would have resulted because of Contractor's concurrent Avoidable Delay, notwithstanding the existence of an Unavoidable Delay.

7.2.5 Mitigation Required. Contractor shall use best efforts to remove, relieve, minimize, and mitigate the effect of all Delays, no matter the cause.

7.2.6 **No Damage for Delay.** To the fullest extent permitted by Applicable Laws, unless otherwise set forth in the Contract Documents, Contractor shall have no Claim against Owner Parties for any increase in the Contract Sum, damages, losses, or expenses, resulting from a Delay, unless Owner or its agents actively interfered and directly caused such Delay, in which case Contractor's Claim shall be limited to reimbursement for Contractor's actual and direct costs, expressly excluding impact costs such as extended home office, overhead, and loss of profit.

7.3 **Owner-Caused Schedule Changes.** Contractor acknowledges and agrees as the Project progresses, as is customary among projects of this size and complexity, Owner may make changes to, and Contractor shall subsequently update, the Project Schedule. Contractor shall cooperate with and advise Owner Parties of potential outcomes of such changes including their impact on the Construction Schedule. If Owner subsequently approves any such change, Contractor will have a Claim, but only if the approved change impacts the critical path of the applicable Construction Schedule.

7.4 **Phased Construction.**

7.4.1 **Phases.** Contractor acknowledges and agrees the Project will progress in phases, in accordance with the Project Schedule. Contractor shall prepare, for Owner Parties' review and approval, a separate Construction Schedule, for each phase. Each phase shall commence upon Owner Parties' issuance of a Notice to Proceed for such phase and shall achieve Substantial Completion by the milestone dates set forth in the Contract Documents, including the Construction Schedule.

7.4.2 **Contract Sums.** Owner may choose to establish separate Contract Sums for each phase of the Project and, if so, Contractor shall cooperate to prepare and timely deliver to Owner when due such Contract Sums as set forth in the Project Schedule.

7.4.3 **Sequential Bidding.** Contractor acknowledges and agrees the Work will be bid sequentially and that some portions of the Work will require that bids be received before design of the overall Project or applicable phase is complete. Nevertheless, Contractor will cooperate with and assist Owner Parties to secure competitive bids for the Work and recommend the order and sequencing of Work and of phases to accomplish the most efficient and economical delivery of the Project.

7.4.4 **Fast-Track Methods.** Contractor represents to Owner that it has experience and expertise in fast-track construction and management practices. As such, Contractor acknowledges, agrees, and will actively participate in project planning, that may necessitate preparation, issuance, and analysis of a number of bid packages in excess of that which is ordinarily required in non-fast-track construction projects.

7.4.5 **Waiver of Claims.** In consideration of the foregoing, Contractor hereby waives all rights and remedies it may have at law or in equity to extra compensation or damages of any kind, and to extensions to the Project and Construction Schedules, due in any way to performance or planning of the Work on a fast track basis.

ARTICLE 8

INDEMNITY; INSURANCE; BONDS

8.1 **Contractor Responsibility.** Contractor shall be responsible for all damage to property, injury to persons, and loss, expense, inconvenience, and delay caused by, or resulting from, performing its services and carrying out the Work. "Indemnitees" as used in this *Article 8* shall mean Owner Parties, and their respective officers, board members, shareholders, members, partners, directors, affiliates, agents, assigns, attorneys, and employees.

8.2 Indemnification.

8.2.1 General Indemnity. TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR SHALL INDEMNIFY, DEFEND, AND HOLD HARMLESS, THE INDEMNITEES, FROM ALL LIABILITIES, DAMAGES, LOSSES, EXPENSES, AND COSTS, INCLUDING REASONABLE ATTORNEY FEES AT BOTH THE TRIAL AND APPELLATE LEVELS, (COLLECTIVELY, "LOSSES") AND CLAIMS OF LOSSES, INCLUDING DUE TO BODILY INJURY, DISEASE, DEATH, OR PROPERTY DAMAGE (BUT EXCLUDING DAMAGE TO THE WORK ITSELF TO THE EXTENT COVERED BY BUILDERS RISK INSURANCE), MADE BY ANY THIRD PARTY, THAT IN ANY WAY ARISE OR RESULT FROM: (I) THE WORK; (II) CONTRACTOR'S ACTIVITIES OR THE ACTIVITIES OF ITS SUBCONTRACTORS, SUB-SUBCONTRACTORS, SUPPLIERS, OR OTHER PERSONS PERFORMING WORK; (III) OPERATIONS AT THE SITE; OR (IV) VIOLATION OF ANY APPLICABLE LAWS. THE FOREGOING INDEMNITY SHALL BE THE "CONTRACTOR'S GENERAL INDEMNIFICATION."

TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR'S GENERAL INDEMNIFICATION SHALL INCLUDE LOSSES FOUNDED IN WHOLE OR IN PART ON THE ALLEGED NEGLIGENCE OR MISCONDUCT OF ANY OF THE INDEMNITEES; PROVIDED, HOWEVER, TO THE EXTENT THAT THE NEGLIGENCE OR MISCONDUCT OF THE INDEMNITEES IS ADJUDGED OR STIPULATED TO BE THE CAUSE OF THE LOSSES, THE INDEMNITEES SHALL BEAR ITS ADJUDGED OR STIPULATED PROPORTIONAL SHARE OF THOSE LOSSES AND SHALL PROMPTLY REIMBURSE CONTRACTOR FOR THEIR PROPORTIONAL SHARE OF THE COSTS AND EXPENSES OF DEFENSE.

8.2.2 Special Indemnity. TO THE FULLEST EXTENT PERMITTED BY LAW AND SUBJECT TO THE STANDARD OF CARE, CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE INDEMNITEES FROM ALL LOSSES AND CLAIMS OF LOSSES DUE TO CONTRACTOR'S MISCONDUCT, NEGLIGENCE, ERROR, OR OMISSION, MADE BY ANY THIRD PARTY, THAT IN ANY WAY ARISE OR RESULT FROM CONTRACTOR'S PROFESSIONAL SERVICES, INCLUDING CLAIMS OF PROFESSIONAL LIABILITY AND VIOLATION OF APPLICABLE LAWS. THE FOREGOING INDEMNITY SHALL BE THE "CONTRACTOR'S SPECIAL INDEMNIFICATION."

8.2.3 Liens; Bond Claims. Contractor shall further indemnify, defend, and hold harmless, the Indemnitees, from all Losses and claims of Losses arising or resulting from liens and bonds of any kind asserted against the Project (individually, a "Payment Claim"), Project phase, or any part thereof, by any of Contractor's Subcontractors, Sub-subcontractors, Suppliers, and other Persons contributing to the Work, except for Payment Claims properly filed due to Owner's wrongful failure to make payments to Contractor.

8.2.4 Indemnitees' Control of Defense. Contractor's obligations in the Contract Documents to defend Indemnitees shall be performed by counsel approved by such Indemnitees', in their reasonable discretion. Indemnitees shall have the right to participate in direction of their defense and shall have the ultimate authority whether to settle any claim that may require any payment or admission of liability.

8.2.5 No Limitation. Contractor's indemnification obligations shall not be restricted by any limitation on the amount of damages, compensation, or benefits, payable by or for Contractor under applicable workers' compensation acts, disability benefit acts, or other employee benefits acts. Contractor expressly waives its immunity from suit from Owner under applicable workers' compensation acts, disability benefit acts, and other employee benefits acts.

8.2.6 Costs of Enforcement. Contractor shall reimburse all costs and expenses incurred by the Indemnitees to enforce Contractor's indemnification duties in the Contract Documents.

8.3 Insurance.

8.3.1 Contractor's Requisite Insurance. Contractor shall furnish and keep in force, and shall cause each Subcontractor to furnish and keep in force, the insurance required in *Exhibit P*. Contractor shall further furnish, keep in force, and file certificates evidencing coverage, such additional insurance required by Governmental Authorities having jurisdiction over the Work. To the fullest extent permitted by law, all such insurance requirements: (i) are minimum requirements intended to benefit the Indemnitees; (ii) will not be interpreted to limit Contractor's liability under the Contract Documents; and (iii) are independent of Contractor's other obligations under the Contract Documents. Contractor's failure to furnish, or failure to require Subcontractors to furnish, and Owner's failure to enforce, the Contract Documents' required insurance, certificates, or endorsements, shall not waive the Contract Documents' requirements.

8.3.2 Subcontractor Default Insurance. Contractor may maintain Subcontractor default insurance and Owner shall have the right to accept or reject such insurance in Owner's sole discretion.

8.3.3 RESERVED.

8.3.4 **Contractor-Controlled Insurance Program.** In the event Contractor provides any of the insurance required by the Contract Documents through a Contractor-Controlled Insurance Program (a "CCIP"), Contractor shall deliver to Owner for review and approval a written description of the material features of the CCIP, including carriers, coverages, policy limits, and deductibles.

8.3.5 Notice Required. If the total of any potential claims against Contractor or any of its Subcontractors exceeds more than fifty percent (50%) of the available respective insurance coverage carried by Contractor or its Subcontractor, Contractor shall give to Owner prompt written notice. Thereafter, Owner shall have the right to require Contractor or Subcontractor, as the case may be, to increase its coverage in an amount Owner reasonably requires.

8.3.6 Evidence of Renewal. Not less than thirty (30) Days prior to the expiration of any insurance required by the Contract Documents due to its normal expiration or renewal date, Contractor shall furnish Owner with updated certificates of insurance and other necessary documentation, to clearly evidence continuation of all requisite coverage.

8.4 Bonds.

8.4.1 Contractor's Bonds. When a Contract Sum is One Hundred-Fifty Thousand and 00/100 Dollars (\$150,000) or more, Contractor shall furnish and keep in effect at all times while the Contract Documents are in effect (a) a performance bond in sum equal to the Contract Sum and (b) a payment bond in sum equal to the Contract Sum. Notwithstanding the dollar thresholds state in this *Section*, Contractor shall furnish performance and payment bonds if otherwise required by the Contract Documents and in the amounts set forth in the Contract Documents. Any requisite performance bond shall cover all warranties and guarantees required by the Contract Documents.

8.4.2 Subcontractor Bonds. Owner and Contractor shall agree in writing to the bonding strategy and requirements of Subcontractors prior to any contracts pertaining to the Project between Contractor and any Subcontractors.

8.4.3 Public Works Bonds. Prior to signing of the Contract Documents, Contractor shall file with the Oregon Construction Contractors Board, and maintain in full force and effect, the separate public works bond as and when required by Oregon Laws 2015, Chapter 279C, and OAR 839-025-0015. Contractor shall also include in every Subcontract a provision requiring Subcontractor to file and maintain with the Oregon Construction Contractors Board, a separate public works bond as and

when required, before starting Work. Contractor shall verify that each Subcontractor has complied with the requirements of this *Section* before permitting each such Subcontractor to begin Work.

8.4.4 Form of All Bonds. All Project bonds shall be in the forms attached as *Exhibit Q* unless Owner otherwise approves in writing. All sureties guaranteeing performance or payment shall be (i) authorized to do business in the State of Oregon, (ii) have a rating of not less than “A” in the latest version of A.M. Best & Company’s Insurance Guide, (iii) an A.M. Best & Company financial size category of “X” or higher, and (iv) listed by, and in the net limit of, the United States Treasury Department as acceptable for bonding Federal projects. Contractor shall have no affiliation with the bonding agent or agency.

ARTICLE 9

PROTECTION OF LIFE AND PROPERTY

9.1 Safety Precautions and Protective Measures.

9.1.1 Contractor’s Safety Plan. Contractor shall have overall responsibility and liability for Site, Project, and Work safety. Contractor shall develop, implement, and supervise all safety measures and programs at the Site and in connection with the Work, shall implement the safety and fire prevention program set forth in the Construction Plan, and shall require all Subcontractors and other Persons performing Work to conform to the same. Contractor shall review and recommend appropriate changes to, but shall not have direct control over, each Subcontractor’s safety program. As such, Contractor’s review and recommendations shall not relieve Subcontractors of their responsibility for the safety of persons and property, and for compliance with all Applicable Laws.

9.1.2 Safeguards. Contractor shall erect and maintain, as required by existing conditions and the progress of the Work, all reasonable safeguards, including posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying affected Persons.

.1 Contractor shall take all reasonable safety precautions, protective measures, and care to prevent damage, injury, and loss to: (i) all Persons on, about, and adjacent to the Site and in locations with stored Materials; (ii) all Work under the custody or control of Contractor, Subcontractors, or Sub-subcontractors, whether completed, in progress, or stored; and (iii) work of Owner and Owner’s Separate Contractors; (iv) existing Site landscaping and plant life not designated for removal in the Contract Documents.

.2 Without limiting Contractor’s responsibility for Site and Work safety, Contractor shall comply with all of Owner’s Standard Requirements, attached as *Exhibit K*, and Owner Parties shall have the right, but not the obligation, to review and approve Contractor’s safety measures and programs.

.3 Contractor’s safety practices and protection of persons and property shall be industry best practices, conform to the Contract Documents, and comply with all Applicable Laws, including all applicable regulatory and advisory agency safety standards.

9.1.3 Adjacent Property and Work. Contractor shall not enter upon property that is private or adjacent to the Site without first obtaining permission. Contractor shall be responsible for and use every precaution to preserve all public and private property adjacent to the Work, including trees, shrubs, lawns, walks, pavement, roadways, structures, and utilities. Contractor shall be responsible for protection of adjacent work areas, including other work, brought about by activities, equipment, labor, utilities, vehicles, or materials on the Site.

9.1.4 **Damages.** Contractor shall promptly remedy all damage and loss (other than damage or loss covered by property insurance required by the Contract Documents) to any property referred to above, caused in whole or in part by Contractor, Subcontractors, Sub-subcontractors, or by Person for whose acts they may be liable.

9.1.5 **Site Safety Supervisor.** Contractor shall designate and keep at the Site a responsible and qualified member of Contractor's organization who shall manage Contractor's safety program. Contractor shall report to Owner the name, position, and direct contact information, of the person so designated.

9.2 Emergencies. In any emergency affecting the safety of persons or property, Contractor shall act in its sound discretion to prevent threatened damage, injury, or loss. Contractor's Claims for additional compensation or extension of time as a result of an emergency shall be determined in accordance with *Article 12* of these General Conditions.

9.3 Reporting Requirements. Following an emergency or occurrence involving personal injury or property damage, Contractor shall furnish Owner with, not more than three (3) Days after an incident, the full written details, photographs, and statements of witnesses, of each incident. In addition, following an emergency or an occurrence involving serious personal injuries, serious property damage, or death, Contractor shall immediately report the same to Owner by telephone or messenger. Contractor shall again promptly inform Owner of the ultimate disposition of any occurrences as set forth above, following their conclusion.

9.4 Hazardous Materials. Contractor shall not use, in connection with the Work, any Hazardous Materials (defined below) in a manner that poses unreasonable safety risks or violates Applicable Laws. This *Section* shall not prohibit Contractor from using any item specified in the Contract Documents unless Contractor knows it violates Applicable Laws, in which case Contractor shall notify Owner Parties in writing so that Owner may issue an appropriate Change Order.

9.4.1 **Definition.** "Hazardous Materials" shall mean any hazardous waste, toxic substance, radioactive material, asbestos containing material, petroleum product, or related materials including substances defined as "hazardous substances," "toxic substances," and similar designations in any Applicable Laws, including without limitation, in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, 42 U.S.C. Sec. 9061 et seq.; Hazardous Materials Transportation Act, as amended, 49 U.S.C. Sec. 1802 et seq.; the Resource Conservation and Recovery Act, as amended, 42 U.S.C. Sec. 6901 et seq.; and the corresponding regulations (as amended) issued pursuant to these acts.

9.4.2 **Existing Conditions.** Unless Hazardous Materials disposition is specifically a part of the Contract Documents or was necessitated by that actions of Contractor, Subcontractors, Sub-subcontractors, or the acts or omissions of Persons' for whom they are liable, Contractor shall not be responsible for Hazardous Materials existing at the Site prior to commencement of Work (the "Preexisting Hazardous Materials"). If Contractor reasonably suspects it has encountered Preexisting Hazardous Materials, Contractor shall, immediately upon recognizing the condition, have the right to stop Work in the affected area, and shall immediately notify Owner Parties of the same.

9.4.3 **Owner Actions Upon Notice.** Promptly after receiving notice of reasonably suspected Preexisting Hazardous Materials, Owner Parties shall take reasonable measures to ensure that the Preexisting Hazardous Materials are remediated. Specifically, Owner shall retain qualified independent experts to (a) determine if the area of concern does contain a Hazardous Material and (b) prescribe remedial measures to render Hazardous Material harmless as necessary. Contractor shall resume Work in the affected area only upon Owner and Contractor's written agreement.

9.5 Contractor's Responsibility.

9.5.1 Environmental Protection. Contractor shall at all times direct its activities and the activities of its Subcontractors, Sub-subcontractors, Suppliers, and other Persons performing Work in and around the Site to minimize adverse effects on the environment.

Contractor shall, at all times: (i) at no additional cost to Owner, properly handle and dispose of all environmental pollutants and hazardous substances brought onto the Site during performance of the Work, to the satisfaction of Owner and Government Authorities having jurisdiction, and in a manner that complies with Applicable Laws; (ii) be responsible for all spills, releases, discharges, or leaks of environmental pollutants, brought to the Site during performance of the Work; and (iii) promptly clean up and remediate, without cost to the Owner, such spills, releases, discharges, and leaks, to Owner's satisfaction and in compliance with Applicable Laws.

9.5.2 Reporting. Contractor shall report all releases of Hazardous Materials as required by Applicable Laws, including 40 CFR Part 302, Table 302.4 and OAR 340-142-0050.

In addition to following the emergency procedures set forth in *Sections 9.2 and 9.3* above, Contractor shall immediately report to Owner Parties by telephone all releases of Hazardous Materials introduced to the Site during performance of the Work. A written follow-up report shall be submitted to Owner Parties within forty-eight (48) hours of the initial report, and shall contain at a minimum: (i) a description of items released including identity, quantity, manifest numbers; (ii) whether amounts of items released is EPA/DEQ reportable, and, if so, when Contractor so reported; (iii) exact time and location of each release, including a description of the area involved; (iv) Contractor's containment procedures initiated; (v) a summary of communications about the release between Contractor and officials other than Owner; and (vi) a description of cleanup procedures employed or to be employed, including disposal locations.

9.5.3 Indemnity. **TO THE FULLEST EXTENT PERMITTED BY LAW, INCLUDING ORS 30.140, CONTRACTOR SHALL INDEMNIFY, DEFEND, AND HOLD HARMLESS, THE INDEMNITEES FROM ALL LOSSES AND CLAIMS OF LOSSES, MADE BY ANY THIRD PARTY, THAT IN ANY WAY ARISE OR RESULT FROM HAZARDOUS MATERIALS THAT CONTRACTOR, ITS SUBCONTRACTORS, OR ANY PERSON FOR WHOSE ACTS THEY MAY BE LIABLE, INTRODUCE TO THE SITE.**

The foregoing indemnity shall not apply to Hazardous Materials that Contractor or its Subcontractors introduce to the Site in accordance with the Contract Documents and in compliance with all Applicable Laws.

9.6 No Limitation. Nothing in this *Article 9* shall limit Contractor's responsibility for obtaining insurance coverage required under the Contract Documents, and Contractor shall take no action that would void or impair such coverage.

ARTICLE 10

ALLOWANCES; SUBSTITUTIONS; CHANGES

10.1 Allowances. Contractor shall include in the Contract Sum all Allowances stated in the Contract Documents and their Associated Costs (defined below). Items included in Allowances shall be furnished and installed for the amounts and by Persons as Owner Parties direct. Unless Owner Parties request otherwise, Contractor shall provide to Owner Parties for approval, at their request, a proposed fixed lump-sum price for any Allowance, including its Associated Costs, prior to its performance.

Unless otherwise set forth in the Contract Documents: (i) when finally reconciled, Allowances shall cover Contractor's cost of Materials delivered to the Site, and all applicable Taxes, less applicable trade

discounts; (ii) Contractor's costs for unloading and handling at the Site, labor, installation costs, overhead, profit, and other expenses, contemplated for the Allowance (collectively, the "Associated Costs") shall be included in the Contract Sum but not in the Allowance; and (iii) whenever Contractor's costs are more than or less than an Allowance, the Contract Sum shall be adjusted accordingly by Change Order in the amount of the difference between the amount of the original Allowance item and its actual cost including changes, if any, to Associated Costs.

10.2 Substitutions. When more than one product or process is specified by the Contract Documents as being acceptable (including the designation "or equal"), Contractor shall have the option of using any such specified product. When only one product or process is specified, Contractor shall not be permitted a Substitution except as set forth in this *Section*.

10.2.1 Requested Substitutions shall meet the standards, required function, size, type, appearance, and quality, of Materials they are intended to supplant. In the event Contractor wishes to request a Substitution, Contractor shall first submit a written request for Owner Parties' approval. Requests for Substitutions shall be timely, fully documented, and will be accompanied by evidence about the requested Substitution, including: (i) its quality and serviceability; (ii) changes in details and construction of related Work; (iii) pertinent drawings, specifications, samples, performance data; (iv) its design and artistic effect; and (v) changes to the Contract Sum. By submitting a Substitution proposal, Contractor represents that the Substitution meets or exceeds the standards, qualities, guarantees, and warranties, of the specified item being substituted, except to the extent Contractor disclaims in writing within its proposal.

10.2.2 Substitutions will only be considered under the following circumstances: (i) when a product or process specified in the Contract Documents is discontinued and not reasonably available; (ii) when a requested Substitution, in Contractor's and Owner Parties' opinion, is in Owner's best interest; or (iii) when Contractor can demonstrate that the price of the specified product or process is unreasonably inflated and Substitution will be significantly less expensive. Owner Parties will make recommendations to Owner regarding requested Substitutions, and Owner may, in its discretion, reject or approve the same.

10.2.3 Approved Substitutions that result in a change to the Contract Sum shall be accompanied by a Change Order in the amount of the difference in the Contract Sum between the specified product or process and its Substitution.

10.3 Changes.

10.3.1 Minor Changes in the Work. Owner Parties shall have authority to order minor changes in the Work that shall be effective and bind Contractor upon Owner Parties' written order. Contractor shall promptly carry out all written orders of minor changes in the Work. In the event Contractor reasonably believes a change in the Work is not minor, and Contractor will be harmed without adjustment to the Contract Sum or Contract Time, Contractor shall immediately notify Owner Parties and shall not proceed to implement the change in the Work. If Owner Parties disagree that Contractor is entitled to an adjustment to the Contract Sum or the Contract Time, Contractor shall proceed with the ordered change in the Work and may submit a Claim. However, if Contractor performs the change in the Work set forth in the Owner Parties' order without prior notice that it believes such change will affect the Contract Sum or Contract Time, Contractor waives any such Claim.

10.3.2 Change Orders. All Change Orders shall be in the form attached as *Exhibit R*, shall be priced in accordance with this *Article 10*, and shall contain the details of the changes to the scope of Work, Contract Time, Contract Sum, and any related adjustments to the Contract Documents. Except as set forth in this *Article 10*, only a Change Order shall authorize a change to: (i) the scope of the

Work, (ii) the Contract Time or a significant modification to the schedule of performance of the Work or the Project, or (iii) the Contract Sum or Contractor's compensation. As such, Contractor shall have no Claim for Work performed that would have been subject to, but for which Contractor failed to request, a Change Order.

10.3.3 Owner-Directed Changes. Owner Parties may order Contractor to price and determine time impacts of, at any time, a change in the scope of Work, by submitting to Contractor a reasonably-detailed written statement setting forth the nature of the change. If Contractor determines in good faith that Owner Parties' change will (a) increase or decrease the Contract Sum or (b) impact the dates for Substantial Completion set forth in the applicable Construction Schedule, Contractor shall promptly furnish Owner Parties with detailed information setting forth the cost and time impacts of the change in accordance with *Section 10.3*. If Owner elects to order the changed Work, it shall issue to Contractor a Change Order ordering and authorizing Contractor to proceed with the changes, as agreed. Contractor shall not commence such a change until Owner has issued a Change Order, except in an emergency endangering life or property, as set forth in *Section 9.2* of these General Conditions.

10.3.4 Changes Other than Owner Directed. If Contractor encounters at the Site (a) concealed physical conditions materially differing from those indicated in the Contract Documents or (b) unknown and unforeseen physical conditions of unusual nature, materially differing from those ordinarily found to exist in the vicinity of the Site or as otherwise provided for in the Contract Documents, and such differing conditions will reasonably harm Contractor, Contractor shall give to Owner Parties notice before such conditions are further disturbed and in no event later than three (3) Days after their discovery. Owner Parties will promptly investigate purported differing conditions to determine if in fact they materially differ from those ordinarily found near the Site or as provided in the Contract Documents.

10.3.5 Owner Parties' Determination. Owner Parties shall be entitled to review Contractor's Claims for differing Site conditions as set forth in *Section 10.3.4* above, and for changes due to Unavoidable Delay as set forth in *Section 7.2.4* of these General Conditions. If, after investigation, Owner Parties agree that a Change Order is appropriate under the circumstances, Contractor will be entitled to adjustment to the Contract Sum, Contract Time, or schedule of performance of the Work, as the case may be, and as agreed to by Owner and Contractor. If a request for Change Order includes requests from Subcontractors, Sub-subcontractors, Suppliers, or other Persons performing Work, Contractor shall analyze and evaluate the merits of such requests prior to including them in Contractor's submission to Owner Parties. By submitting such requests, Contractor represents they are accurate and appropriate.

In any event, if Owner Parties disagree that Contractor is entitled to a Change Order under the circumstances, Owner Parties shall notify Contractor in writing, stating the reasons for disagreement. If Contractor wishes to dispute Owner Parties' determination, Contractor shall have a Claim. However, Owner shall in no event approve a Change Order because of missed Work scope or a lack of coordination in the execution or bidding of the Work.

All Claims due to changes shall proceed in accordance with *Article 12*.

10.3.6 Requisite Performance of Changes. In the event Owner refuses to issue a Contractor-requested Change Order or Owner and Contractor fail to agree to the terms of a Change Order, Owner Parties shall have the right to issue a Construction Change Directive. Upon receiving a Construction Change Directive, Contractor shall proceed to perform such changed Work and Owner shall pay Contractor on a time and material basis in accordance with *Section 10.3.7* below. Owner Parties and Contractor shall continue to make good faith efforts to agree to the terms of a Change Order for the Work of the Construction Change Directive. Change Orders may be issued for all or any part of a

Construction Change Directive. However, if Owner and Contractor cannot agree to one or more Change Orders for all of the Work of a Construction Change Directive, Contractor shall have a Claim for that Work executed but not included in a Change Order.

10.3.7 Price and Schedule Adjustments. Unless Owner and Contractor agree in writing, all monetary adjustments included in Change Orders and Construction Change Directives, whether cost or credit to Owner, shall be calculated using the terms and figures of *Exhibit S* and other unit prices set forth in the Contract Documents. However, if quantities of Materials and labor originally contemplated in a unit price significantly differ from those in a Change Order such that a unit price will cause substantial inequity to Owner or Contractor, that unit price shall be equitably adjusted.

When submitting a request for, or responding to, a Change Order, Contractor shall furnish Owner with detailed estimates of proposed adjustment to the Contract Time, changes to the schedule of performance of the Work or the Project, and the Contract Sum or Contractor's compensation, as the case may be. As applicable, each approved Change Order shall incorporate an accurate revised Schedule of Values and an accurate revised Construction Schedule.

10.3.8 Accounting. Contractor and Subcontractors impacted by a Change Order or Construction Change Directive shall maintain itemized accounts of all charges and credits due to changes in the Work as a result of all such changes. Such itemized accounts shall be open to Owner Parties' inspection.

10.3.9 Owner-Directed Acceleration; Constructive Acceleration. The Owner shall have the right to accelerate the completion date of the Work by Change Order, which may require the use of overtime. Additionally, Owner shall have the right to refuse to grant to Contractor an extension of time to meet the completion milestones set forth in the Construction Schedule or Project Schedule, even if Contractor is entitled to an extension pursuant to the Contract Documents. In the event Owner accelerates performance of the Work, the Contract Sum shall be adjusted in accordance with *Section 10.3.3* above, but Contractor shall not be entitled to any other compensation or recovery. Prior to commencing the acceleration of Work, Contractor shall submit to Owner Parties for approval its written plan to cost efficiently execute such acceleration.

10.3.10 No Additional Claims. Neither Contractor nor Subcontractors shall have Claims for impact costs due to a Change Order. All money and time impacts associated with a Change Order shall be included in that Change Order. Contractor shall not be entitled to and shall not request, a Change Order, and shall make no Claims after Owner Parties receive Contractor's final Application for Payment that includes such changed Work.

ARTICLE 11

WORK ASSURANCES AND GUARANTEES

11.1 Uncovering of Work.

11.1.1 Wrongful Covering. If any portion of Work is covered contrary to Owner Parties' written request or contrary to the Contract Documents' requirements, Contractor shall, upon request, uncover such Work for Owner Parties' inspection and shall recover and replace the same upon Owner Parties' approval. All uncovering and recovering under this *Section* shall be at Contractor's expense.

11.1.2 Requested Uncovering. If Owner Parties have not specifically requested in writing any portion of Work remain uncovered for inspection, Owner Parties may still require that Contractor promptly uncover such Work. Following uncovering and Owner Parties' review, if such Work is in accordance with the Contract Documents, then Owner shall pay the cost of uncovering and

replacement by Change Order. However, if such Work is Defective Work, Contractor shall pay all such costs.

11.2 Correction of Work.

11.2.1 Contractor's Obligation. Prior to Substantial Completion of each Deliverable Portion of Work and for a period of one (1) year following the later of: (i) Substantial Completion of each Deliverable Portion of Work; (ii) the date for commencement of warranties in accordance with the Contract Documents; or (iii) such longer periods of time contained in the Contract Documents' specific warranties (collectively, the "Defective Work Warranty"), Contractor shall promptly remove from the Site and correct and repair all Defective Work, whether completed or in progress. Costs of removing and correcting Defective Work, including additional testing and inspections, uncovering, replacement, and recovering, and associated compensation for the Owner Parties' additional services, shall be at Contractor's expense.

11.2.2 Opportunity to Cure. If Owner Parties become aware of Defective Work they will promptly deliver to Contractor written notice of the same and shall provide Contractor reasonable opportunity to cure the Defective Work. However, if Contractor does not fully perform its obligations under this *Section* within thirty (30) Days after it receives Owner Parties' written notice of Defective Work, Owner shall have a Claim and may cause Contractor's obligations to be performed at Contractor's expense. If Owner chooses to repair such Defective Work using Owner's own forces, Contractor shall pay to Owner one and one half (1-1/2) times the standard hourly rate of Owner's forces used to perform the work, plus related overhead and direct non-salary costs. If Owner completes the repairs using Owner's Separate Contractor, Contractor shall pay to Owner the direct expense billed by Owner's Separate Contractor for its work plus the direct salary costs, related overhead, and direct non-salary expenses, of Owner, for monitoring Owner's Separate Contractor's work. If any of these expenses cause the Contract Sum to be exceeded, the excess shall be payable to Owner from Contractor on demand, or deducted from amounts to be paid by Owner to Contractor.

11.2.3 Term Upon Correction or Completion. The one (1) year Defective Work Warranty shall be extended for those portions of Work first performed after Substantial Completion of each Deliverable Portion of Work and for the corrective Work performed pursuant to this *Section* by the longer of (a) the period of time between Substantial Completion of each Deliverable Portion of Work and the actual completion or correction of that portion of the Work or (b) the period of time prescribed by law or by the terms of any applicable special warranty or guarantee under the Contract Documents.

11.2.4 Equitable Adjustment. In the event Owner does not require Contractor to remove or correct any Defective Work, Owner shall be entitled to an equitable deduction to the Contract Sum for the reduced value of that Defective Work. Owner and Contractor shall agree upon a deduction to the Contract Sum that is equitable and all such deductions shall be evidenced by Change Order.

11.2.5 No Limitation. The one (1) year Defective Work Warranty neither limits the time within which Owner may enforce Contractor's obligation to comply with the Contract Documents, nor the time within which Owner may commence proceedings pertaining to Contractor's obligations under the Contract Documents. The expiration of the Defective Work Warranty, and expiration of any of Contractor's other guarantees or obligations to correct Defective Work, shall not relieve Contractor of the obligation to correct, at its own expense, latent defects in the Work.

Nothing contained in this *Article 11* shall establish a period of limitation for any warranty obligation under the Contract Documents (other than the Defective Work Warranty) or modify a statute of limitations or repose.

11.2.6 On-Call. During the first three (3) months following Substantial Completion of each Deliverable Portion of Work, as applicable, Contractor shall have appropriate personnel on call to respond rapidly to system emergencies, all as agreed to by Contractor and Owner in *Exhibit __* (the "On-Call Parameters").

11.3 Warranties. Warranties arising from this *Article 11* and all other warranties and guarantees required by the Contract Documents (collectively, the "Warranties") that are applicable to a Deliverable Portion of Work shall commence upon Substantial Completion of such Deliverable Portion of Work, and shall run directly to Owner or be fully assignable to Owner and its designee. All such Warranties shall be assigned to Owner or, at Owner's option, its designee. Contractor shall furnish Owner with documentation necessary to enable Owner to obtain the benefit of all Warranties. Contractor shall assist Owner to enforce its long-term warranties or guaranties. The Warranties shall be in addition to and not in limitation of any other warranty or remedy at law or in equity.

ARTICLE 12

CLAIMS

12.1 Notice.

12.1.1 Initial Notice. If Owner has a Claim, Owner shall promptly notice Contractor of such Claim in writing, setting forth the known details and support for the Claim. If Contractor has a Claim, Contractor shall furnish Owner with a detailed, supported, written notice, setting forth the known or estimated length of any Delay and any known or estimated monetary impacts, due to such Claim. Contractor shall deliver to Owner such notice no later than seven (7) Days following actual knowledge of the event giving rise to the Claim. For purposes of Owner Parties' denial of any of Contractor's requests to modify any terms of the Contract Documents (whether Contract Sum, Contract Time, or otherwise) in accordance with Contractor's rights to make such requests under the Contract Documents, the event giving rise to the Claim (and thus the start of the seven (7) Day period) shall be Contractor's receipt of Owner Parties' written denial.

If it is impracticable to specify the actual length of a delay or monetary amount of a Claim at the time notice is required, the claimant shall provide estimates and periodic supplemental notices to keep the nonclaimant party informed of any change and other relevant information while the events giving rise to the Claim continue.

12.1.2 Formal Claim Process. Promptly following notice of the Claim as set forth above, Contractor's on-Site senior project manager (designated in *Section 4.3.3* of these General Conditions) and Owner Parties' project manager, shall work cooperatively to resolve the Claim (the "Preliminary Claim"). However, if three (3) weeks after the notice of Claim has been received by the non-claimant, Contractor's and Owner Parties' project managers believe the Preliminary Claim will not be resolved, the Claim shall be submitted to the Major Claim (defined below) process.

All Claims not resolved by the Preliminary Claim process shall be "Major Claims." Owner shall designate a neutral third party, with a substantial understanding of and experience in the design and construction industry, to review all Claims (the "Claims Examiner") to hear and decide all Major Claims. Within thirty (30) Days after the initial notice of a Major Claim, the claimant shall submit to the Claims Examiner and non-claimant a complete and detailed written description of its Major Claim including: (i) a detailed, factual statement of the basis of the Claim; (ii) pertinent dates of the events giving rise to the Claim; (iii) Contract Documents provisions that support or allow the Claim; (iv) copies of all documents which support the Claim; (v) the total monetary and time impacts of the Claim, broken down to clearly

demonstrate its impact on the Contract Sum, Contractor's compensation, the Contract Time, and schedules of performance of the Work (collectively, the "Detailed Claim"). Within ten (10) Days of receiving the Detailed Claim, the non-claimant shall have the right to submit to the Claims Examiner a formal response to the Detailed Claim, confirming or rebutting the allegations and other details set forth in that Detailed Claim.

12.1.3 Indirect Claims. If a Contractor's Claim involves Work of Subcontractors, Sub-subcontractors, Suppliers, or other Persons performing work on their behalf, Contractor shall analyze and evaluate the merits of such Claim prior to noticing Owner of the same and by giving such notice, represents such Claim is accurate and appropriate. Owner Parties will not consider direct claims from Subcontractors, Sub-subcontractors, Suppliers, and others not a party to the Contract Documents.

12.1.4 Limited Claims for Damages. Neither Contractor nor Owner shall have a Claim for damages to property or injury arising from an act, omission, or peril, insured pursuant to any policy carried by the party suffering such damage. Furthermore, such a Claim shall not be assignable or the subject of a subrogation action by any third party. To the extent a party suffering damage receives insurance proceeds for damages that otherwise could give rise to a Claim, the other party shall be released from liability, for such damages.

12.1.5 Waiver. Unless a notice of Claim and the Formal Claim is made in accordance with the time requirements of this *Section*, it shall be deemed waived.

12.1.6 Continuation of Work. Unless otherwise directed by Owner Parties, Contractor shall continue to diligently prosecute the Work while any Claim is pending.

12.2 Formal Claim Review

12.2.1 Initial Decision. The Claims Examiner will review all Major Claims and take one or more of the following preliminary actions within fifteen (15) Days of receipt of a Detailed Claim: (i) request additional supporting information from the claimant; (ii) inform the Contractor and Owner in writing of the time required for adequate review and response; (iii) reject the Claim in whole or in part and identify the reasons for rejection; (iv) based on unit prices identified in *Exhibit S* and recommend approval of all or part of the Claim; or (v) propose an alternate resolution. In any event, notwithstanding anything to the contrary contained in this *Article 12*, if the Claims Examiner has not issued its decision within thirty (30) Days of the Detailed Claim being filed, that Claim shall be subject to appeal and submitted to non-binding mediation all as set forth below.

12.2.2 Appeal. The Claims Examiner's decision shall be final and binding unless appealed by Contractor's or Owner's written notice to the other, setting forth those portions of the Claims Examiner's decision being appealed, within fifteen (15) Days of all parties' receipt of such decision. Owner and Contractor hereby acknowledge and agree mediator, whether temporary or presiding, shall not be subject to subpoena or otherwise asked or required to produce records, notes, or work product, or asked or required to testify in any proceedings as to information disclosed or representations made during the course of mediation, except to the extent required by law.

12.2.3 Mediation. A proper and timely appeal of the Claims Examiner's decision shall be submitted to non-binding mediation within fifteen (15) Days following all parties' receipt of the notice of appeal and such appeal shall be reviewed by the mediator *de novo*. The presiding mediator shall be an individual mutually acceptable to Owner and Contractor, unless the parties cannot agree, in which case each party shall select a temporary mediator and the temporary mediators shall jointly select a presiding mediator. Owner and Contractor shall pay their own costs and expenses and the cost of the mediator shall be split equally between the two parties. The schedule, time and place for mediation will

be mutually acceptable to Owner and Contractor, unless the parties cannot agree, in which case the mediation venue shall be at or in close proximity to the Site.

.1 Owner and Contractor acknowledge and agree that, subject to Claim Preservation as set forth below, participation in mediation shall be a prerequisite to litigation of any Contract Documents disputes. Owner and Contractor shall use best efforts in good faith to resolve through the mediation process all Major Claims within sixty (60) Days of the commencement of such mediation (the "Mediation Period"). However, if the presiding mediator fails to issue its decision on one or more of the issues presented within ninety (90) Days of the commencement of such mediation, the parties shall have the option to file a lawsuit in accordance with *Section 12.2.4* below and adjudicate those undecided issues, notwithstanding the requirement to mediate as a condition precedent to filing suit. Additionally, if a lawsuit must be filed within the Mediation Period in order to preserve a cause of action (a "Claim Preservation"), Owner and Contractor agree that they will nevertheless proceed diligently to mediate the Claim to its conclusion prior to actively prosecuting the lawsuit. As such, Owner and Contractor shall seek from the Court presiding over the Claim Preservation lawsuit such stays and extensions, including the filing of an answer, as may be necessary to mediate effectively. Further, if during the Mediation Period Owner and Contractor settle any issues, the plaintiff in the Preservation Claim lawsuit shall promptly cause the Court to enter a stipulated general judgment of dismissal with prejudice, or other appropriate order, limiting the remaining scope of litigation.

.2 The parties agree to comply with Owner's Standard Requirements, which may include but are not limited to confidentiality of mediation, and shall promptly sign all documents necessary to give effect to such requirements.

12.2.4 Litigation. Major Claims not resolved by mediation during the Mediation Period shall be submitted to the Benton County Oregon Circuit Court and the Parties hereby consent to the jurisdiction of the same and waive any objection which it may now or later have to the laying of venue of any action or proceeding in such court; provided, however, notwithstanding the foregoing, if a legal action or proceeding must be brought in a federal forum, the Party bringing such action or proceeding shall do so in the United States District Court for the District of Oregon. This paragraph shall not be construed to (a) authorize Contractor to bring a legal action or proceeding against Owner in a federal forum except to the extent Congress has validly abrogated OSU's sovereign immunity or (b) waive any form of Owner's immunity, including sovereign immunity and immunity based on the Eleventh Amendment to the United States Constitution.

Owner and Contractor hereby acknowledge and agree mediator, whether temporary or presiding, shall not be subject to subpoena or otherwise asked or required to produce records, notes, or work product, or asked or required to testify in any proceedings as to information disclosed or representations made during the course of mediation, except to the extent required by law.

12.3 No Claims for Consequential Damages.

12.3.1 Consequential Damages Waived. Contractor and Owner each waive Claims against the other for consequential damages arising out of the Contract Documents, including (a) Owner's damages for rental expenses, loss of use, lost opportunity, loss of income, lost profit, interest from financing, and damage to reputation, and (b) Contractor's damages for principal office expenses, lost opportunity, interest from financing, damage to reputation, and loss of profit except anticipated profit arising directly from the Work and earned by Contractor in accordance with the Contract Documents.

12.3.2 Limitations. Nothing in this *Section 12.3* shall preclude recovery of: (i) Liquidated Damages in accordance with the Contract Documents; (ii) third-party claims, Claims, and indemnity requirements of *Section 8.2* of these General Conditions; (iii) Claims, damages, costs, or expenses due to violations of Applicable Laws; (iv) Claims, damages, costs, or expenses relating to fraud, gross negligence, or willful misconduct; (v) Claims, damages, costs, or expenses covered by any insurance policy; (vi) Claims, damages, costs, or expenses due to Contractor's refusal to perform in accordance with the Contract Documents; or (vii) breach of any intellectual property or confidentiality obligations.

ARTICLE 13

TERMINATION

13.1 Suspension

13.1.1 Owner's Right to Suspend. Owner may, with or without cause, furnish Contractor with a written order to suspend the Work in whole or in part for such period of time as Owner may determine in its sole discretion, but not to exceed ninety (90) Days. Upon receipt of such an order to suspend, Contractor shall promptly cease all Work, except to the extent Owner's order also requires Contractor to protect completed and partially-completed Work or to maintain during the period of suspension the Work protection of the Work, maintenance of access, protection of stored Materials, maintenance of temporary facilities, and general cleaning. If Owner's suspension of the Work exceeds ninety (90) Days, and Owner re-engages Contractor to commence the Work once again with written notice, Contractor shall be entitled to an equitable adjustment to the Contract Sum for the length of time exceeding ninety (90) days. No such suspension of the Work will be the basis of a Claim except for Cost of the Work directly relating to maintenance of the Site during such suspension.

13.2 Termination

13.2.1 Owner's Right to Perform. If Contractor fails to perform any of its obligations under the Contract Documents, then Owner may, after five (5) Days' prior written notice, during which time Contractor continues to fail to diligently pursue performance of any such breached obligation and without prejudice to any other remedy Owner may have at law or in equity, cause Contractor's breached obligations to be completed by others. All costs and expenses Owner incurs addressing Contractor's failure to perform under this *Section* shall become Contractor's liability to Owner payable upon demand and subject to offset against the Contract Sum. If the balance of the Contract Sum is not sufficient to cover such offset amount, Contractor shall immediately pay to Owner the difference. However, in no event shall Owner's actions under this *Section* be deemed a termination of the Agreement.

13.2.2 Funds Available and Authorized. If Owner fails to receive funding, appropriations, allocations, or other expenditure authority, as contemplated by Owner's budget, Owner may terminate the Contract Documents based on its assessment and ranking of the policy objectives explicit or implicit in Owner's budget, and such termination shall be deemed and proceed according to Owner's termination for convenience (below).

13.2.3 Owner's Termination for Convenience. Owner may, at any time and without cause terminate the Agreement, in whole or in part, by delivering to Contractor at least ten (10) Days in advance, a notice of termination for convenience specifying the extent and the effective date of termination. Upon such date of termination, Contractor shall (a) immediately and peacefully surrender possession of the Site and all Materials for which the Contractor received progress payments, and (b) assign to Owner those Subcontracts that Owner requests. Under those Subcontracts to which Owner

elects to take assignment, Owner shall assume Contractor's obligations that accrue after the date of termination. Contractor shall take such action and shall execute such documents as Owner may reasonably require for such assignments to be effective and shall not enter agreements that prevent such assignment.

Following termination, Contractor shall only be entitled to: (i) Fee earned up until the effective date of termination, (ii) Cost of the Work performed through the effective date of termination, and (iii) reasonable actual demobilization costs.

13.2.4 Owner's Termination for Cause. If a Defaults occurs at any time during the Project and Contractor fails after five (5) Days written notice to commence and diligently pursue a cure to such Default or fails to actually cure the Default within a reasonable period of time, Owner may terminate the Agreement for cause and take possession of the Site and all Materials on the Site, including those Contractor owns. Owner may subsequently finish the Work by whatever reasonable methods are expedient and Contractor shall not be entitled to receive any further payment until the Work is finished. However, in the event of such a termination for Default, Contractor shall not be relieved from its obligations under the Contract Documents.

If Owner completes the Work and the unpaid balance of the Contract Sum exceeds Owner's cost and expense to finish the Work, including its consequential damages and professional services fees, Contractor shall be compensated for the Work it actually performed. However, if Owner's costs and expenses to complete the Work, including its consequential damages and professional services fees, exceed the unpaid balance of the Contract Sum, Contractor shall pay to Owner the difference upon demand. This *Section* shall survive termination of the Agreement.

13.2.5 Termination Deemed Termination for Convenience. If a court of competent jurisdiction, mediator, or arbitrator, as the case may be, determines that Owner's termination for cause was wrongful, such termination shall be deemed a termination for convenience pursuant to *Section 13.2.3* of these General Conditions and Contractor's remedy shall be limited to the provisions of that *Section*.

13.2.6 Transfer of Documents. As directed by Owner, Contractor shall, upon any termination under this *Article 13*, transfer title and deliver to the Owner all Record Documents, information, and other property, that is reasonably necessary to effectuate completion of the Work or assignment of subcontracts, or that Owner Parties may otherwise reasonably request.

13.2.7 Contractor's Termination. If Owner fails to pay to Contractor within forty-five (45) Days after due any undisputed amounts under the Agreement, Contractor may, after fifteen (15) additional Days' written notice to Owner during which time Owner continues to fail to make such payment, terminate the Agreement. If Contractor properly terminates for cause under this *Section*, it may recover from Owner that portion of the Contract Sum earned prior to the date of termination. Contractor hereby waives any other right of recovery for damages due to termination under this *Section*, including anticipated profits (for the balance of the un-executed Work) and consequential damages.

ARTICLE 14

MISCELLANEOUS

14.1 Use of Drawings and Specifications; Ownership. The Drawings, Specifications, and other documents prepared by or for Owner Parties, are instruments of service. Contractor may retain one record set of such instruments of service but Contractor, Subcontractors, Sub-subcontractors, and other Persons performing Work shall have no claim to or ownership of them and shall not use them for

any purpose other than for the Work. Unless otherwise indicated, Owner shall be deemed the author and owner of all Project instruments of service.

Contractor, Subcontractors, Sub-subcontractors and Suppliers are granted a limited license to use and reproduce applicable portions of the instruments of service to aid in the execution of their Work. All such copies made under this license shall bear any statutory copyright notice found on the originals. All such copies, except Contractor's record set, shall be returned to Owner upon request and upon completion of the Work.

14.2 Interest. Interest on payments past due and owing between parties to the Contract Documents shall be at the rate of two thirds of one percent (0.667%) per month.

14.3 Independent Contractor Status. The services and work to be performed under the Contract Documents are those of an independent contractor as defined in ORS 670.600. Contractor represents and warrants that it is not and will not employ an officer, employee, or agent, of Owner, as those terms are used in ORS 30.265.

14.4 Confidentiality. The terms of the Contract Documents and all information and materials Contractor obtains from Owner Parties pertaining to the Work are confidential. Contractor shall not disclose any such information and materials without Owner's prior written consent, except when disclosure is to Persons who have a need to know such information and who first agree to maintain their confidentiality.

All information Owner obtains from Contractor concerning Contractor's costs, accounting, finances, and business operations, is confidential, and Owner shall not disclose the same without Contractor's prior written consent, except when disclosure is to Persons who have a need to know such information and who first agree to maintain their confidentiality and when required by law or court order.

This *Section* shall not apply to information that comes into the public domain unless as a result of a disclosure prohibited by this *Section*, and shall not apply to an enforceable court order. This *Section* shall survive the termination of the Agreement.

14.5 Successors and Assigns. Owner and Contractor bind themselves, their successors, and their assigns, to the other, by the terms of the Contract Documents. Contractor shall not assign or transfer any interest in the Contract Documents, whether by merger, consolidation, dissolution, operation of law or any other manner, other than to Contractor's surety, without Owner's prior written consent.

14.6 Written Notice. Notices required under the Contract Documents shall be in writing and shall be deemed given when delivered if done so in accordance with the Contract Documents.

14.7 Governing Law; Venue. The Contract Documents shall be governed by and construed in accordance with the laws of the State of Oregon without regard to principles of conflicts of law.

14.8 Rights and Remedies. Subject to express limitations of the Contract Documents, rights and remedies available to the parties to the Agreement shall be in addition to, and not a limitation of, any available at law or in equity. No action or failure to act by Owner Parties or Contractor shall constitute a waiver of any right or duty under the Contract Documents, except as may be set forth in the Contract Documents, or as specifically agreed to in writing.

14.9 Severability. The invalidity or unenforceability of any provision of the Contract Documents shall not impair or affect the validity or enforceability of any other provision of the Contract Documents and invalid or unenforceable provisions shall be limited to the extent necessary to enable enforcement of the remainder of the Contract Documents.

14.10 Survival. All warranty and indemnification provisions of the Contract Documents, and all terms of the Contract Documents that are said to or clearly intended to, shall survive termination and completion of the Contract Documents.

DRAFT

Exhibit B

Early Work Amendment

See attached



Oregon State University

AMENDMENT **ONE** TO OSU PUBLIC IMPROVEMENT AGREEMENT #**XXXX**
PROJECT NAME: **XXX**

This Amendment (“AMD”) to the above named Agreement entered into between **Oregon State University** (“Owner”), and **CMGC Name** (“Contractor”), individually the “Party” and collectively the “Parties”, shall become effective on the date this Amendment has been signed by all the Parties (the “Effective Date”).

1. SERVICES AND COMPENSATION

In accordance with Section 6.8 of the Agreement, you are hereby authorized to commence the Early Work described in Section 1 below and shall be paid for such Early Work in accordance with the Agreement, subject to the not to exceed price set forth below. In accordance with Section 6.8 of the Agreement, the amount paid on account of this Early Work Amendment Number __ shall be included in the GMP Amendment applicable to the Deliverable Portion of Work to which the Early Work relates.

The not to exceed price for the Early Work of this Early Work Amendment Number XXXX (X) shall be: **\$XXX**

SERVICES	COMPENSATION
	\$ 0.00 Fixed Fee
	\$ 0.00 Fixed Fee
	\$ 0.00 Time & Materials
Amendment total	\$ 0.00
Original Agreement Price	\$ 0.00
Previous executed Amendments	\$ 0.00
New Agreement Price (maximum compensation amount)	\$ 0.00

Unless expressly modified in this Amendment or prior Amendments, all terms and conditions of the Agreement remain unchanged and in full force and effect.

In witness whereof, **Oregon State University** executes this Amendment and the Consultant does execute the same as of the Effective Date.

CMGC Name

Oregon State University

Signature Date

Printed Name

Title

Bruce Daley Date
Associate Vice President
University Facilities, Infrastructure and
Operations

Exhibit C

General Conditions Work Description

See attached

[Note: Construction Manager to provide, for Owner's approval, the General Conditions Work description.]

Exhibit D

Form of GMP Amendment

See attached

GMP Amendment

Pursuant to Section 5.11 of the Construction Manager At-Risk and General Contractor Agreement (the "Agreement") dated _____, 20____, between Owner and Construction Manager, Owner and Construction Manager agree to the following terms and conditions for the _____ Deliverable Portion of Work (this "GMP Amendment"). Capitalized terms used but not defined in this GMP Amendment shall have the meanings given in the Agreement.

ARTICLE 1, GUARANTEED MAXIMUM PRICE

1. Construction Manager's guaranteed maximum price for the _____ Deliverable Portion of Work (herein, the "GMP") is _____ Dollars (\$_____).
2. The General Conditions Work Cost Limit for the _____ Deliverable Portion of Work is _____ Dollars (\$_____).
3. The Guaranteed Substantial Completion Date for the _____ Deliverable Portion of Work is _____, 20__.
4. The following schedules are attached to and incorporated into the Agreement:

Schedule 1 GMP Drawings and Specifications upon which the GMP is based, dated _____, _____ pages.

Schedule 2 GMP Qualifications and Assumptions, dated _____, _____ pages.

Schedule 3 Schedule of Values, dated _____, _____ pages.

Schedule 4 Construction Schedule, dated _____, _____ pages.

Schedule 5 Allowance items, dated _____, _____ pages.

Schedule 6 Alternates, dated _____, _____ pages.

Schedule 7 Unit Prices, dated _____, _____ pages.

Schedule 8 Claims, if any, _____, _____ pages.

5. Except as set forth in this GMP Amendment, the Agreement shall remain in full force and effect. In the event of an irreconcilable conflict between the terms of the Agreement and those of this GMP Amendment, the terms of this GMP Amendment control.
6. As of the date of this GMP Amendment, Construction Manager acknowledges it is neither aware of, nor has reserved, any Claim except as identified on **Schedule 8**.
7. This GMP Amendment shall take effect upon the date it is last signed and may be signed in separate counterparts, each of which when signed and delivered shall be an original, and all which when taken together, shall constitute one and the same instrument.

This GMP Amendment is entered as of the ____ day of _____, 20_____.

OWNER:

CONSTRUCTION MANAGER:

By:

Name:

Its:

By:

Name:

Its:

Exhibit E

Preconstruction Services and Cost Limit

See attached

[Note: Construction Manager to provide, for Owner's approval, the scope of precon services and the cost.]

Exhibit F

Key Personnel and Hourly Rates

See attached

Construction Manager's Key Personnel

The personnel indicated below shall be committed to the Project and shall not be assigned any other work responsibilities that lessen or hinder their ability to perform their Project responsibilities:

1. Project Executive. Construction Manager shall assign _____ as Project Executive to supervise Construction Manager's services and the Work and be available to Owner at all reasonable times.

2. Senior Project Manager. Construction Manager shall assign _____ as Senior Project Manager to supervise the Work and be available to Owner at all reasonable times.

3. Project Manager. Construction Manager shall assign _____ as Project Manager to supervise the Work and be available to Owner at all reasonable times.

4. General Superintendent. Construction Manager shall assign _____ as General Superintendent to supervise the Work.

5. Preconstruction Manager. Construction Manager shall assign _____ as Preconstruction Manager to supervise Construction Manager's preconstruction services.

6. Submittals Coordinator. Construction Manager shall assign _____ as Construction Manager's Submittals Coordinator to coordinate all Submittals and shall check for conflicts, completeness, and accuracy, and confirm such Submittals conform to the requirements of the Contract Documents and are appropriate for Owner Parties' review.

7. Other Personnel. Construction Manager shall assign other persons as necessary who shall be responsible for the job descriptions set forth next to each of their names. [Note: Construction Manager to provide for Owner's approval.]

Construction Manager's Personnel Rates

[Note: Construction Manager to provide hourly rates for Owner's approval]

Exhibit G

Form of Payment Claim Waiver - RESERVED

Exhibit H

RESERVED

Exhibit I

Notice and Contact Information

Notices required under the terms of the Agreement shall be given to the attention of each party's representative designated below using the following contact information:

Owner:

Attn:

Phone:

Fax:

Email:

with copy to:

Attn:

Phone:

Fax:

Email:

Owner Parties:

Attn:

Phone:

Fax:

Email:

with copy to:

Attn:

Phone:

Fax:

Email:

Construction

Manager

Attn:

Phone:

Fax:

Email:

with copy to:

Attn:

Phone:

Fax:

Email:

Exhibit J

RESERVED

Exhibit K

Owner's Standard Requirements

See attached

SECTION 01 11 00

SUMMARY OF WORK

PART 1 GENERAL

1.01 SUMMARY OF WORK

- A. SEE RFP SECTION 1.0 INTRODUCTION

1.02 CONTRACTORS USE OF PREMISES

- A. Contractor shall limit use of the Premises for work and storage to allow for:
 - 1. Owner occupancy, day and night.
 - 2. Public use, day and night.
 - 3. Security.
 - 4. Safe entry and exit for vehicles and pedestrians.
 - 5. Fire egress.
- B. Coordinate all operations with the Owner's Authorized Representative during the construction period. A 96-hour notification is required prior to scheduled utility shutdowns or street closures, but more lead time is often required to schedule around other critical activities.
- C. Limit Contractor's employee parking to locations designated at the Pre-construction Conference.

1.03 OWNER OCCUPANCY

- A. The Owner will occupy the Premises during the entire period of construction for the conduct of normal operations. Cooperate with Owner's Authorized Representative in construction operations to minimize conflict and to facilitate the Owner's usage especially in the following areas:
 - 1. Restricted access and parking.
 - 2. Use of stairs.
 - 3. Storage space availability.
- B. Conduct operations in such a way to ensure the least inconvenience to the general public, including:
 - 1. Limitations and easements.
 - 2. Emergency vehicle access.
 - 3. Building access to the public, day and night.

1.04 ASBESTOS AND OTHER HAZARDOUS MATERIAL

- A. The Owner has made a reasonable attempt to locate and identify asbestos or other hazardous material that may be encountered during the course of the Work.
- B. If the Contractor observes or suspects the existence of asbestos, polychlorinated

biphenyl (PCB) or other hazardous materials in the structure or components of the building, the Contractor shall immediately stop work and notify the Owner's Authorized Representative.

- C. The Owner will arrange for the removal of asbestos, polychlorinated biphenyl (PCB) or other hazardous materials as required by Facilities Services personnel or by separate contract.
- D. Schedule ten (10) days of slack or "down" time for the removal of hazardous materials without penalty to Owner for the delay of the Contract.

1.05 LEAD BASED PAINT

- A. The Owner may have tested existing paint in the project area and if levels are found the following conditions apply.
- B. Contractor shall remove paint as specified for surface preparation and capture removed material for disposal.
- C. Contractor shall follow OSHA guidelines involving exposure to workers.
- D. Owner will provide containers for Contractor's use at project site.
- E. Contractor shall comply with the requirements of DEQ and EPA and shall submit a lead abatement plan.
- F. Contractor shall separate lead contaminated material from effluent and water.
- G. Owner will dispose of lead paint and effluent resulting from stripping operation.
- H. Soil contaminated by stripping operations shall be replaced with topsoil.

END OF SECTION

SECTION 01 23 00

ALTERNATES

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. The alternates described in this Section may be exercised at the option of the Owner within 60 days of the execution of the Contract.
- B. It is generally the practice of the Owner to exercise alternates in numerical order.
- C. The Owner reserves the right to accept the alternates without regard to order or sequence; but, such acceptance shall not impair the selection of a low, responsible and responsive bidder to whom the Contract may be awarded under an equitable bid procedure.

1.02 QUALITY ASSURANCE

- A. For each alternate which is accepted, coordinate the work of the various trades involved, and modify surrounding work as required to complete the project as intended.
- B. In the change-in-price figure for each alternate, include incidental costs which are attributable to adjustments in the work of other trades which may be required to achieve the contemplated and final conditions.
- C. Questions:
 - 1. If there is a question regarding the extent, scope, nature, or intent of the alternates, contact the Owner's Authorized Representative for clarification.
 - 2. Failure on the part of the Contractor to clarify any unclear items shall not relieve the Contractor of the responsibility for performing the selected alternates in accordance with the intent and requirements of the Project Manual and Drawings.
 - 3. The description of the alternates hereinafter is qualitative and not quantitative; the Contractor shall determine the quantities of labor and materials and the extent of same required to execute the selected alternates in accordance with the intent and requirements of the Project Manual and Drawings.
 - 4. The applicable Sections of the Specifications apply to the work under each alternate.

1.03 LIST OF ALTERNATES

- A. Alternate 1:

END OF SECTION

SECTION 01 24 76

APPLICATIONS FOR PAYMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Work of this Section includes forms and procedures for progress payments.
- B. Related work specified elsewhere.
 - 1. For the primary discussion of payments, refer to OSU General Conditions, Section E, as supplemented.
 - 2. In compliance with OSU General Conditions, Section K, no payments beyond 75% will be made by the Owner before draft Operation and Maintenance Manuals have been received for review by the Owner.

1.02 APPLICATION FORMS

- A. For applications for payment, use sample Contract Payment Request (see below), contract payment request on company letterhead, or AIA Document G702, supported by AIA Document G703, Continuation Sheet, or similar document.
- B. Prepare the Schedule of Values in such a manner that each major item of Work and each subcontracted item of Work is shown as a line item broken down in terms of material and labor costs on AIA Document G703, Application Certification of Payment, Continuation Sheet or similar format. The sample continuation sheet shall be the minimum Schedule of Values breakdown.
- C. The Schedule of Values shall be submitted for review by the Owner prior to the first application for payment; and may be used when, and only when, accepted in writing by the Owner.
- D. Payment request is to include the Contractor's Federal Tax Identification number and return address.

1.03 PAYMENTS

- A. The Owner will make progress payments on account of the Contract once monthly for the scheduled duration of the project (i.e. three (3) payments on a three-month project), based on the value of work accomplished or materials on the job site, as stated in the Schedule of Values on the Application and Certificate Payment.
- B. Complete and forward Application to the Owner on or about the 15th day of each month for work performed the previous month and include certified payroll statements as specified in the OSU General Conditions.
- C. Submit one (1) copy of forms requesting payment to the Owner.
- D. Payments will be made on protected materials on hand at the job site properly stored,

protected, and insured.

- E. Estimated quantities shall be subject to the Owner's review and judgment.

1.04 EARLY PURCHASE AND PAYMENT OF MATERIALS AND EQUIPMENT

- A. Order materials and equipment requiring a long lead or waiting time early so as not to delay progress of the Work.
- B. The Contractor will be reimbursed for early order materials or equipment upon receipt and verification of quality and quantity against submittals and shipping documents by the Owner's Authorized Representative.
- C. Receipt shall be to the job site or stored at Owner's other premises in an orderly and safe manner, secured from normal weather damage.
- D. Security remains the responsibility of the Contractor.

END OF SECTION

CONTRACT PAYMENT REQUEST

DATE: _____

TO: University Financial Services
Oregon State University
850 SW 35th St.
Corvallis, OR 97333
FacServContracts@oregonstate.edu

Payment Request No. _____ Contract No. _____ Period from _____ to _____

Project: _____

Original Contract Amount \$ _____

Change Orders (Net Amount)..... \$ _____

Contract Total to Date \$ _____

=====

Total Completed and Stored to Date \$ _____

Less Retainage (5%), if applicable \$ _____

Total Earned, Less Retainage (if applicable)..... \$ _____

Less Previous Payments..... \$ _____

Net Amount Due this Request..... \$ _____

The undersigned Contractor certifies that, to the best of his/her knowledge, information, and belief, the Work covered by this request has been completed in accordance with the Contract Documents, that all amounts have been paid for Work for which previous applications for Payment were issued and payments received from the Owner, and that the amount shown herein is now due.

Contractor: _____

By: _____ **Date:** _____

Federal Tax ID Number: _____

Address: _____

CONTINUATION SHEET

NOTES:

Amounts are stated to the nearest penny.
 Use Column I on Contracts where variable retainage for line items may apply, or if retainage is required.

Change Orders are usually listed as the last items of the basic schedule.

Project Name: _____

Application No.: _____

Date: _____

Period To: _____

WRN No.: _____

A	B	C	D	E	F	G		H	I
Item No.	Description of work	Scheduled Value	Work Completed		Materials Presently Stored (Not in D or E)	TOTAL Completed & Stored (D+E+F)	% Completed (G/C)	Balance to Finish (C-G)	Retainage
			From Previous Applications	This Period					
TOTALS									

SECTION 01 25 00

PRODUCT SUBSTITUTION PROCEDURES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. General requirements for the Work in relation to substitutions and product options.
- B. Submit to the Owner's property insurance carrier shop drawings, samples, and product data (such as manufacturer's standard schematic drawings and other literature) when required by individual Specifications sections.
- C. Related Work Specified Elsewhere
 - 1. Invitation to Bid.
 - 2. OSU General Conditions.

1.02 REQUESTS FOR SUBSTITUTIONS

- A. Requests for substitution of products in place of those specified shall be in accordance with Invitation to Bid, and as specified herein.

1.03 CONTRACTOR'S RESPONSIBILITIES

- A. Investigate proposed products and determine that they are equal or superior in all respects to products specified.
- B. Provide same guarantee for accepted substitutions as for products specified.
- C. Coordinate installation of accepted substitutions into the Work, making such changes as may be required for the Work to be complete in all respects.

1.04 SUBSTITUTIONS DURING BIDDING

- A. Submit one electronic copy of the following information with each request to the Owner:
 - 1. Substitution request form provided below.
 - 2. Comparison of proposed substitution with product, material or system specified.
 - 3. Complete data, substantiating compliance of proposed substitution with the Contract Documents.
 - 4. Test numbers and supporting reports, indicating compliance with referenced standards.
 - 5. Evidence that warranty requirements are acceptable.
 - 6. Details indicating specific deviations proposed for the substitution.
 - 7. Reference and applicable Specification sections.
 - 8. Applicable product samples.
- B. All substitution requests shall be received in the Owner's office prior to the deadline for questions as identified in the Invitation to Bid. Requests received after this date

will not be considered.

1.05 SUBSTITUTIONS DURING CONSTRUCTION

- A. Substitutions will normally not be considered after date of Contract except when required due to unforeseen circumstances.
- B. Within a period of thirty (30) days after date of Contract, the Owner may, at its option, consider formal written requests for substitution of products in place of those specified, when submitted in accordance with the requirements stipulated herein.
- C. One or more of the following conditions must be documented in any such request:
 - 1. Required for compliance with final interpretation of code or insurance requirements.
 - 2. Required due to unavailability of a specified product.
 - 3. Required because of the inability of the specified product to perform properly or to fit in the designated space.
 - 4. Substitution would be substantially in the best interest of the Owner in terms of cost, time, or other considerations.

1.06 SUBSTITUTIONS NOT PERMITTED

- A. If implied on submittals without first requesting approval thereof.
- B. If acceptance will require substantial revision of the Contract Documents.

END OF SECTION

SUBSTITUTION REQUEST FORM

TO: _____

PROJECT: _____

SPECIFIED ITEM:

Section	Page	Paragraph	Description
---------	------	-----------	-------------

The undersigned requests consideration of the following:

PROPOSED SUBSTITUTION: _____

Attached data includes product description, specifications, drawings, photographs, performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes description of changes to Contract Documents which proposed substitution will require for its proper installation.

The undersigned states that the following paragraphs, unless modified on attachments, are correct:

1. The proposed substitution does not affect dimensions shown on Drawings.
2. The undersigned will pay for changes to the building design, including engineering design, detailing and construction costs caused by the requested substitution.
3. The proposed substitution will have no adverse effect on other trades, the construction schedule, or specified warranty requirements.
4. Maintenance and service parts will be locally available for the proposed substitution.

The undersigned further states that the function, appearance and quality of the Proposed Substitution are equivalent or superior to the Specified Item.

Submitted by:

Signature _____

Firm _____

Address _____

Date _____

Telephone _____

For use by Design Consultant:

Accepted Accepted as noted

Not Accepted Received too late

By _____

Date _____

Remarks _____

Attachments:

SECTION 01 31 19

PROJECT MEETINGS

PART 1 GENERAL

1.01 PRE-CONSTRUCTION MEETING

- A. Architect/Engineer/Designer, Contractor and Owner will meet prior to start of the Work (within seven (7) days after notice to proceed) to discuss at least the following topics and any others of mutual interest.
1. Schedule of Values
 2. Permit Status/tree protection/erosion control
 3. List of sub-contractors
 4. Job inspections.
 5. Early purchase of, and/or lead time requirements for material and equipment/repurchase of equipment
 6. Monthly payment date/SOP for pay requests
 7. Portion of site to be occupied by construction.
 8. Parking/Staging areas
 9. Non-smoking campus requirements
 10. Maintenance of access and safety.
 11. Processing of field decisions and change orders
 12. Labor provisions/labor rates for subs
 13. Material submittals/deferred submittals
 14. Owner access during construction.
 15. Review of Contract Documents/review ADA requirements/cross-slopes
 16. Coordination procedures and separate contracts.
 17. Progress schedules.
 18. Critical Work sequencing.
 19. Safety and emergency procedures/24 hour contact numbers
 20. Security procedures.
 21. Hazardous materials.
 22. Progress meetings.
 23. Contract close-out.
- B. Location of Meeting: Project site

1.02 PROGRESS MEETINGS

- A. The Contractor will schedule and administer progress meetings and will:
1. Prepare agendas.
 2. Schedule progress meetings, frequency, time and day to be determined during pre-construction meeting.
 3. Make physical arrangements for and preside at meetings.
 4. Record minutes and include decisions.

5. Distribute copies of minutes to participants within four (4) days after meetings.
- B. Location of Meetings: Project site.
- C. Attendance:
1. The Owner or Owner's Authorized Representative.
 2. Contractor.
 3. Subcontractors affected by agenda.
 4. Project Architect/Engineer/as necessary.
 5. Owner will attend meeting to ascertain Work is expedited consistent with progress schedule and with Contract Documents.
- D. Minimum Agenda:
1. Review and approve minutes from previous meeting.
 2. Review Work progress since previous meeting.
 3. Discuss field observations, and problems.
 4. Review delivery schedules, construction schedule, and identify problems which impede planned progress.
 5. Review proposed changes.
 6. Material submittals.
 7. Note all new subcontractors performing Work at the job site.

END OF SECTION

SECTION 01 33 23

SHOP DRAWINGS, PRODUCT DATA, SAMPLES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Submit to the Owner shop drawings, samples, and product data (such as manufacturer's standard schematic drawings and other literature) when required by individual Specifications sections.
- B. Related Work Specified Elsewhere
 - 1. OSU General Conditions.

1.02 SUBMITTAL SCHEDULING

- A. For items requiring review by the Owner only, submittals shall be sent to the Owner at least 15 calendar days before the date each is required for fabrication or installation.
- B. Submittals to be reviewed by Owner's consultants shall be sent to the Owner at least 20 calendar days before the date each is required for fabrication or installation.
- C. Submittals to be reviewed by Owner's property insurance carrier shall be sent to Owner as directed in individual specification sections.
- D. Submittals involving Substitution requests or other modifications requiring review by the Owner and/or the Owner's consultants shall be sent to the Owner at least 20 calendar days before the date each is required for fabrication or installation.

1.03 SUBMITTAL CONTENT AND FORMAT

- A. General Requirements:
 - 1. Shop Drawings: Submit in electronic format and, if requested by Owner's Authorized Representative, submit one reproducible transparency and 1 print of each drawing.
 - 2. Product Data: Submit electronically, and if requested by Owner's Authorized Representative, up to 6 hard copies.
 - 3. Samples: Submit the number and type stated in each Specification Section. Submit a minimum of three sets of color samples where color selection is required.
 - 4. Submittals shall include:
 - a. Date and revision dates return date requested.
 - b. Project title and number.
 - c. The names of the Contractor, subcontractor, supplier, and manufacturer.
 - d. Identification of product or material, with Specification Section number.
 - e. Relation to adjacent critical features of work or materials.
 - f. Field dimensions, clearly identified as such.
 - g. Applicable standards, such as ASTM number or Federal Specification.

- h. Identification of deviations from Contract Documents, and for products accompanied by Substitution request as required by Section 01 25 00.
 - i. Contractor's stamp legibly signed, essentially as follows:
 - 1) The undersigned, acting on behalf of the Contractor, certifies that this submittal has been reviewed and is approved; products have been verified as being as specified, field measurements and field construction criteria have been or will be coordinated, and the submittal is in compliance with Contract Documents.
5. Re-submission Requirements:
- a. Revise initial drawings as required and resubmit as specified for initial submittal.
 - b. Indicate on drawings any changes which have been made other than those requested by the Owner or the owner's consultants.
6. The Owner may return without review any submittal not meeting the requirements listed above.
- B. Shop Drawings:
- 1. Present data in a clear and thorough manner.
 - 2. Details shall be identified by reference to sheet and detail, schedule or room numbers shown on Contract Documents.
 - 3. Structural items shall be identified by location in the completed structure. Identify details by reference to contract sheet and detail numbers.
 - 4. Minimum sheet Size: 8 ½ x 11".
- C. Product Data:
- 1. Manufacturer's catalog sheets, brochures, diagrams, schedules, performance charts, illustrations and other standard descriptive data:
 - a. Clearly mark each copy to identify pertinent product or models.
 - b. Show dimensions, weights, and clearances required.
 - c. Show performance data consisting of capabilities, ROM, KW, pressure drops, design characteristics and consumption; conforming as closely as possible to the test methods referenced in the Plans and Specifications.
 - d. Show wiring or piping diagrams and controls.
 - 2. Manufacturer's standard schematic drawings and diagrams:
 - a. Modify to delete information which is not applicable.
 - b. Supplement standard information to provide information specifically applicable to the Work.
- D. Samples:
- 1. Insure that samples are of sufficient size to indicate the general visual effect or color.
 - 2. Where samples must show a range of color, texture, finish, graining, or other property, submit sets of pairs illustrating the full scope of this range.
 - 3. One (1) sample or one (1) set of approved samples will be retained by the Owner;

final work will be measured against approved samples.

1.04 QUALITY ASSURANCE

- A. Process submittals in ample time for review, as applicable, so as to not delay the Work. All submittals shall be received by the Owner within ten (10) days after pre-construction.

1.05 DEFINITIONS

- A. The Owner will mark reviewed materials as follows:
 - 1. "No Exception Taken," which means fabrication, manufacture and/or installation may proceed.
 - 2. "Make Revisions Noted," which means fabrication, manufacture and/or installation may proceed with revisions as noted.
 - 3. "Revise and Resubmit," which means that fabrication, manufacture and/or installation may not proceed.
 - 4. "Rejected," which means do not proceed; make arrangements for the review of the proposed Work with the Owner as soon as possible.

1.06 PROCESSING

- A. Review submittals, make necessary corrections, and become familiar with the content of the submittals.
- B. Mark each item with Contractor's stamp.
- C. Accompany submittals with a transmittal letter bearing the project name, Contractor's name, number of items, and other pertinent data.
- D. Keep one copy of each reviewed submittal on the job site at all times.
- E. Be responsible for obtaining and distributing prints of shop drawings to the various suppliers, and the Owner once review process has been completed. Make prints of reviewed shop drawings only from transparencies which carry the appropriate stamp and endorsement.

END OF SECTION

SECTION 01 42 13

ABBREVIATIONS AND SYMBOLS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Words which may be found elsewhere in the Project Manual and Drawings are abbreviated in accordance with the standards set forth in the following table:

A/C	air conditioning	CB	catch basin
AB	anchor bolt	CEM	cement
AC	asphaltic concrete	CF	cubic foot
ACT	acoustical tile	CFOI	contractor furnished owner installed
AD	area drain	CG	corner guard
ADD	addendum	CH	ceiling height
ADD'L	additional	CI	cast iron
ADH	adhesive	CJ	control joint
AFF	above finish floor	CKBD	chalkboard
AGG	aggregate	CL	centerline
AL	aluminum	CLG	ceiling
ALLOW	allowable	CLR	clear(ance)
ALT	alternate	CM	construction manager
ANOD	anodized	CMT	ceramic mosaic (tile)
AP	access panel	CMU	concrete masonry unit
APPRX	approximate	COL	column
ARCH	architect(ural)	COM	communications
ASPH	asphalt	CONC	concrete
AUTO	automatic	CONN	connect(ion)
AVE	avenue	CONST	construction
BD	board	CONT	continuous or continue
BIT	bituminous	CONTR	contract(or)
BLDG	building	CPT	carpet
BLKG	blocking	CRS	course(s)
BM	bench mark, beam(s)	CS	countersink
BOT	bottom	CSMT	casement
BRZ	bronze	CT	ceramic tile
BS	both side	CTR	center
		CVG	clear vertical grain
		CW	cold water

CWT	ceramic wall tile	EXH	exhaust
CY	cubic yard	EXP	exposed
		EXT	exterior
D	depth	FA	fire alarm
DEMO	demolish, demolition	FAF	fluid applied flooring
DEP	depressed	FARF	fluid applied resilient floor
DF	drinking fountain	FAS	fasten, fastener
DIA	diameter	FBD	fiberboard
DIAG	diagonal	FBT	finished blowing temperature
DIM	dimension	FD	floor drain, fire damper
DISP	dispenser	FE	fire extinguisher
DIV	division	FEC	fire extinguisher cabinet
DL	dead load	FF	factory finish
DMT	demountable	FGL	fiberglass
DN	down	FHMS	flathead machine screw
DP	dampproofing	FHWS	flathead wood screw
DR	door	FIN	finish(ed)
DS	downspout	FLCO	floor cleanout
DT	drain tile	FLR	floor(ing)
DTL	detail	FLUR	fluorescent
DW	dumbwaiter	FND	foundation
DWG	drawing(s)	FOC	face of concrete
DWR	drawer	FOIC	furnished by owner/installed by contractor
EA	each	FOIO	furnished by owner/installed by owner
EB	expansion bolt	FOM	face of masonry
EF	each face	FP	fireproofing, flash point
EJ	expansion joint	FPHB	freeze-proof hose bib
EL	elevation	FR	fire resistive, fire rated
ELEC	electric(al)	FRM	frame(d), (ing)
EMBED	embedment	FS	full size
EMER	emergency	FSS	finished structural slab
ENCL	enclose(ure)	FT	foot
EP	electrical panel board	FTG	footing
EQ	equal	FTS	finished topping slab
EQUIP	equipment		
EST	estimate	GA	gage, gauge
EVT	equiviscious temperature	GALV	galvanized
EW	each way	GB	grab bar or gypsum board
EWC	electric water cooler		
EX.EXIT	existing		

GC	general contractor	LAM	laminated
GI	galvanized iron	LAV	lavatory
GL	glass, glazing	LBS	pounds
GLS	glass resin wall surfacing		
GP	gypsum	LH	left hand
		LL	live load
HB	hose bib	LONGIT	longitudinal
HBD	hardboard	LP	low point
HC	hollow core	LW	lightweight
HD	heavy duty		
HDR	header	MAX	maximum
HDW	hardware	MB	machine bolt
HM	hollow metal	M. MECH	mechanic(al)
HOR	horizontal	MFR	manufacture(r)
HP	high point	MH	manhole
HR	hour	Min	minimum, minute
HT	height	MISC	miscellaneous
HTG	heating	MO	masonry opening
HVAC	heating, ventilating, air conditioning	MO#	model number
		MOD	modular
HWD	hardwood	MPH	miles per hour
HWH	hot water heater	MS	machine screw
		MTL	metal
ID	inside diameter, identification	MULL	mullion
IN	inch	MWP	membrane waterproofing
INCIN	incinerator		
INCL	include(d), ion	NAT	natural, natural finish
INT	interior	NIC	not in contract
INV	invert	NO	number
		NOM	nominal
JB	junction box	NTS	not to scale
JC	janitor's closet		
JT	joint	OA	overall
		OBS	obscure
KD	kiln dried	OC	on center(s)
KCP	Keene's cement plaster	OD	outside diameter
KO	knockout	OF	overflow
KP	kick plate	OFCI	owner furnished contractor installed
		OFOI	owner furnished owner installed
LAB	laboratory	OHMS	ovalhead machine screw

OHWS	ovalhead wood screw		
OPG	opening	SC	solid core
OPP	opposite	SCHEM	schedule
OZ	ounce(s)	SEC	section
		SF	square feet (foot)
P	paint(ed)	SHT	sheet
PB	push button	SHTHG	sheathing
PCF	pounds per cubic foot	SIM	similar
PCP	putting coat plaster	SL	sleeve
PERF	perforate(d)	SOG	slab on grade
PL	plate, property line	SPEC	specification(s)
PLAM	plastic laminate	SQ	square
PLAS	plaster	SS	storm sewer
PNL	panel	S4S	finished 4 sides
PP	push plate	SD	storm drain
PR	pair	ST	steel, street
PREP	prepare	ST ST	stainless steel
PSF	pounds per square foot	STD	standard
PSI	pounds per square inch	STR	structural
PT	point, pressure treated	SUPP	supplement
PTN	partition	SUPT	support
PVC	polyvinyl chloride	SUSP	suspended
PWD	plywood	SV	sheet vinyl
QT	quarry tile	T	tread
		TBM	top bench mark
R	rise	T&G	tongue and groove
RA	return air	TB	towel bar
RAD	radius	TC	top of curb
RCP	reflected ceiling plan	TEL	telephone
RD	roof drain	TEMP	tempered
REF	reference	THK	thickness
REFR	refrigerator	TKBD	tackboard
REINF	reinforce(ing)	TO	top of
REQ	required	TP	top of paving
RET'G	retaining	TRANS	transverse
REV	revision(s), revised	TS	top of slab
RH	right had	TV	television
RM	room	TW	top of wall
RO	rough opening	TYP	typical
RSF	resilient sheet flooring		

UNO	unless noted otherwise	W/	with
VAT	vinyl asbestos tile	W/O	without
VB	vapor barrier	WC	water closet
VCT	Vinyl Composition Tile	WD	wood, wood finish
VERT	vertical	WP	waterproof(ing)
VG	vertical grain	WNS	wainscot
VIF	verify in field	WR	water resistant
VWC	vinyl wall covering	WS	waterstop
W	width, wide, water	WW	window wall
		WWC	wood wall covering
		WWF	woven wire fabric

B. Words which may be found elsewhere in the Project Manual and Drawings are abbreviated in accordance with the standards set forth in the following table:

&	and
λ	angle
@	at
ι	diameter, round
"	inches
:	is, shall b
'	feet
ζ	perpendicular
/	per
%	percent
#	pound, number
X	by (as in 2 by 4)

END OF SECTION

SECTION 01 42 16

DEFINITIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Words which may be found elsewhere in the Contract Documents are defined in accordance with the standards set forth in the following table:

Approve:

Where used in conjunction with Architect's response to submittals, requests, applications, inquiries, reports and claims by Contractor, the meaning of term "approved" will be limited to the Architect's responsibilities and duties as specified in General and Supplementary Conditions. In no case will "approval" by Architect be interpreted as a release of Contract requirements.

As Detailed, As Shown:

Where "as detailed", "as shown" or words of similar importance are used, it shall be understood that reference to the Drawings accompanying the Specifications is made unless otherwise stated.

As Directed, As Required, As Authorized, As Reviewed, As Accepted:

Where "as directed", "as required", "as authorized", "as reviewed", "as accepted" or words of similar importance are used, it shall be understood that the direction, requirement, permission, authorization, review, or acceptance of the Architect is intended, unless otherwise stated.

As Indicated:

Where "as indicated" is used it shall be understood that reference to Drawings and/or Specifications is made unless otherwise stated.

Directed, Requested, etc.:

Terms such as "directed," "requested," "authorized," "selected," will be understood as "directed by Architect," "requested by Architect," and similar phrases shall not be interpreted to extend Architect's responsibility into Contractor's responsibility for construction supervision.

Furnish:

Except as otherwise defined in greater detail the term "furnish" is used to mean supply and deliver to project site, ready for unloading, unpacking, assembly, installation, etc., as applicable in each instance.

Indicated:

The term "indicated" is a cross-reference to graphic representations, notes or schedules on drawings, to other paragraphs or schedules in the specifications and to similar means of recording requirements in Contract Documents. Where terms such as "shown," "noted," "scheduled," and "specified" are used in lieu of "indicated," it is for purpose of helping reader locate cross-reference and no limitation of location is intended except as specifically noted.

Install:

Except as otherwise defined in greater detail, the term "install" is used to describe operations at project site including unloading, unpacking, assembly, erection, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning and similar operations, as applicable in each instance.

Installer:

The term "installer" is defined as the entity (person or firm) engaged by Contractor, or its subcontractor or sub-subcontractor for performance of a particular unit of Work at project site, including installation, erection, application and similar required operations. It is a general requirement that such entities (Installers) be expert in operations they are engaged to perform.

Provide:

Except as otherwise defined in greater detail, term "provide" means furnish and install, complete and ready for intended use, as applicable in each instance.

END OF SECTION

SECTION 01 42 19

REFERENCE STANDARDS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Quality Assurance.
- B. Location of References.
- C. Schedule of References.

1.02 QUALITY ASSURANCE

- A. For products or quality of work specified by association, trade, or federal standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard by date of issue current on date of Contract Documents.
- C. General Applicability of Standards: Except where Contract Documents include more stringent requirements, applicable standards of the construction industry have the same force and effect as if bound or copied directly into Contract Documents.
- D. Such standards are made a part of the Contract Documents by reference.
- E. Individual sections indicate which codes and standards the Contractor must keep at the project site, available for reference.
- F. Referenced industry standards take precedence over standards which are not referenced but recognized in industry as applicable.
- G. Non-referenced standards are not directly applicable to the Work, except as a general requirement of whether the Work complies with standards recognized in the construction industry.

1.03 LOCATION OF REFERENCES

- A. Valley Library, Oregon State University.

1.04 SCHEDULE OF REFERENCED ASSOCIATIONS

AIA	American Institute of Architects WWW.AIA.ORG
AISC	American Institute of Steel Construction WWW.AISC.ORG
AISI	American Iron and Steel Institute WWW.STEEL.ORG
ANSI	American National Standards Institute WWW.ANSI.ORG
APA	American Plywood Association WWW.APAWOOD.ORG
ASHRAE	American Society of Heating, Refrigerating, and Air Conditioning Engineers WWW.ASHRAE.ORG
ASTM	American Society for Testing and Materials WWW.ASTM.ORG
AWPA	American Wood Protection Association WWW.AWPA.COM
AWS	American Welding Society WWW.AWS.ORG
BIA	Masonry Institute of America WWW.MASONRYINSTITUTE.ORG
BOLI	Oregon Bureau of Labor and Industries WWW.BOLI.STATE.OR.US
CCB	Construction Contractors Board WWW.OREGON.GOV.CCB/
CDA	Copper Development Association WWW.COPPER.ORG
CISPI	Cast Iron Soil Pipe Institute WWW.CISPI.ORG
CSI	Construction Specification Institute WWW.CSINET.ORG

DEQ	Department of Environmental Quality (Oregon) WWW.OREGON.GOV/DEQ/
DHI	Door and Hardware Institute WWW.DHI.ORG
DOT	Department of Transportation WWW.DOT.GOV
EPA	U.S. Environmental Protection Agency WWW.EPA.GOV
FM	Factory Mutual System WWW.FMGLOBAL.COM
FS	Federal Specification General Services Administration Specifications and Consumer Information Distribution Section (WFSIS) WWW.GSA.GOV/PORTAL/CONTENT/103856
IBC	International Building Code WWW.ICCSAFE.ORG
ICBO	International Conference of Building Officials PUBLICCODES.CITATION.COM/ICOD/IBG/INDEX.HTM
IRS	Internal Revenue Service WWW.IRS.GOV
ISA	Instrumentation Systems and Automation Society WWW.ISA.ORG
NAAMM	National Association of Architectural Metal Manufacturers WWW.NAAMM.ORG
NBFU	National Board of Fire Underwriters WWW.NFPA.ORG
NEC	National Electric Code WWW.NECPLUS.ORG
NEMA	National Electrical Manufacturers' Association WWW.NEMA.ORG
NESC	National Electrical Safety Code WWW.IEEE.ORG

NFPA	National Fire Protection Association WWW.NFPA.ORG
NRCA	National Roofing Contractors' Association WWW.NRCA.NET
OAR	Oregon Administrative Rules ARCWEB.SOS.STATE.OR.US/404.HTML
OESP	State of Oregon Electrical Specialty Code http://www.bcd.oregon.gov/programs/online_codes.html
ORS	Oregon Revised Statutes LANDRU.LEG.STATE.OR.US/ORS/
OSHA	Occupational Safety and Health Administration WWW.OSHA.GOV
OSSC	Oregon Structural Specialty Code http://www.bcd.oregon.gov/programs/online_codes.html
PS	Product Standard STANDARDS.GOV/STANDARDS.CFM
SDI	Steel Door Institute WWW.STEELDOOR.ORG
SMACNA	Sheet Metal and Air Conditioning Contractors' National Association WWW.SMACNA.ORG
SPRI	Single Ply Roofing Institute WWW.SPRI.ORG
SSPC	Steel Structures Painting Council WWW.SSPC.ORG
SWRI	Sealing, Waterproofing and Restoration Institute WWW.SWIRONLINE.ORG
UBC	Uniform Building Code (See ICBO)
UFC	Uniform Fire Code WWW.NFPA.ORG
UL	Underwriters' Laboratories, Inc. WWW.UL.COM

UMC	Uniform Mechanical Code WWW.UBC.COM
UPC	Uniform Plumbing Code WWW.UBC.COM
WHL	Warnock Hersey Laboratories WWW.INTEK.COM/MARKS/WH/
WCLIB	West Coast Lumber Inspection Bureau WWW.WCLIB.ORG
WWPA	Western Wood Products Association WWW.WWPA.ORG

END OF SECTION

SECTION 01 45 00

QUALITY CONTROL

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Codes, regulations and permits.
- B. Procedures for quality control.

1.02 OWNER RESPONSIBILITIES

- A. Owner will employ and pay for services of an independent testing laboratory to perform inspection, sampling and testing as required by local building authority.
- B. Owner's Authorized Representative will provide on-site observation during construction.

1.03 CODES, REGULATIONS AND PERMITS

- A. All Work shall conform with the Oregon Structural Specialty Code (OSSC) based on the International Building Code (IBC), as amended by the State of Oregon Building Codes Division and the edition designated by the governing authority.
- B. Contractor shall comply with all applicable state and local construction codes.
- C. References to codes, Specifications and standards referred to in the Contract Documents shall mean, and are intended to be, the latest edition, amendment or revision of such reference standard in effect as of the date of these Contract Documents.
- D. The Owner shall be responsible for all permits and City of Corvallis plan review fees; the Contractor shall be responsible for all licenses and associated fees required for the Project.
- E. Contractor shall arrange and attend all required permit inspections and furnish evidence of approved City inspection reports per Section 01 77 00.

1.04 QUALITY OF WORK

- A. It is the true and specific intent of these Specifications that quality of Work on all phases of the construction and embracing all the trade sections shall be of high quality performed by workers skilled in their trade and performing their Work only according to the standard of best practice of the trade.
- B. All manufactured articles, materials, and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with manufacturer's directions unless otherwise specified.
- C. If Work is required in a manner to make it impossible to produce first quality Work, or

should discrepancies appear among Contract Documents, request interpretation from Architect before proceeding with Work.

- D. Failure to secure interpretation may cause rejection by Architect or owner of installation.

1.05 LAYOUT

- A. Be responsible for properly laying out the Work and for lines and measurements for the Work.
- B. Verify the figures shown on the drawings before laying out the Work and report errors or inaccuracies to the Architect before commencing Work.
- C. Strict compliance with maximum slopes is required. Accessible parking spaces and adjacent access aisles with slope exceeding 2% in any direction, as determined by OSU, shall be removed and replaced by the contractor at their expense.
- D. Strict compliance with maximum slopes is required. New sidewalks exceeding 1:20 slope or with cross slope exceeding 2%, as determined by OSU, shall be removed and replaced by the contractor at their expense. Ramps exceeding 1:16 slope or with cross slope exceeding 2%, as determined by OSU, shall be removed and replaced by the contractor at their expense.

1.06 SUPERVISION

- A. The Contractor shall maintain effective supervision on the project at all times Work is being performed.
- B. The superintendent shall be the same person throughout the project and shall attend the preconstruction conference.

1.07 INSPECTIONS AND TESTING

- A. Contractor shall notify the Owner at least twenty-four (24) hours in advance of any required progress inspection or final inspection including final punch list inspection.
- B. Cooperate with laboratory personnel, provide access to Work and furnish incidental equipment material and labor required for field testing and sample taking.

1.08 EVALUATION OF TESTS AND INSPECTIONS

- A. Results of laboratory and/or field control tests and inspections shall be the principal basis upon which satisfactory completion of Work shall be judged.
- B. If results of tests and inspections indicate Work is below requirements of Contract Documents, that portion of Work is subject to rejection.

1.09 ADJUSTMENTS

- A. Remove and replace Work so rejected at Contractor's expense including costs of subsequent tests and inspections until Work meets requirements of Contract

Documents.

- B. The Owner reserves the right to perform any testing as may be required to determine compliance with the Contract Documents.
- C. Costs for such testing will be the Owner's responsibility unless testing indicates noncompliance. Cost for such testing indicating noncompliance shall be borne by the Contractor.
- D. Noncomplying Work shall be corrected and testing will be repeated until the Work complies with the Contract Documents.
- E. Contractor will pay costs for retesting noncomplying Work.

END OF SECTION

SECTION 01 51 00

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This Section specifies requirements for temporary services and facilities, including utilities, construction and support facilities, security and protection.

1.02 REQUIREMENTS OF REGULATORY AGENCIES

- A. Regulations: Comply with industry standards and applicable laws and regulations of authorities having jurisdiction.
- B. Standards: Comply with NFPA Code 241, "Building Construction and Demolition Operations", ANSI-A10 Series standards for "Safety Requirements for Construction and Demolition".
- C. Electrical Service: Comply with NEMA, NEC and UL standards and regulations for temporary electric service; install service in compliance with National Electric Code (NFPA 70).
- D. Inspections: Arrange for authorities having jurisdiction to inspect and test each temporary utility before use; obtain required certifications and permits if required.

1.03 PROTECTION

- A. Protect sidewalks, asphalt paving, concrete, trees, shrubs, and lawn areas at all times from damage resulting from construction activities.
- B. Prevent materials from clogging catch basins and yard drains; leave drains clean and in proper working condition.
- C. Protect Existing Irrigation Systems:
 - 1. In the event damage occurs to an underground irrigation system as a direct result of a Contractor's activities, the Contractor shall repair/replace or be assessed a charge at the discretion of the Owner.
 - 2. If repairs are to be made by the Contractor, the repairs will be inspected by the Owner's Authorized Representative prior to backfilling.
 - 3. Any galvanized pipe that requires repair shall be repaired at a threaded coupling, not by use of a compression coupling.
- D. Protect Existing Air Handling Systems:
 - 1. Contractor shall be responsible for protection of the cleanliness of the existing air handling system at all times. This protection shall include:
 - a. During site work or building demolition, prefilters shall be provided and maintained on all building outside air intakes at all times throughout the construction duration.

- b. During any interior work that may create dust in the interior space and adjacent corridor/hallways, air filters shall be provided and maintained on all affected air return and exhaust grilles. Where air flow in or out of the space is not required, all air duct openings shall be temporarily blanked off with plywood or sheet metal.
 - c. Prior to starting any work, the Contractor shall record and submit to the Owner's Authorized Representative, pressure readings across all existing air handler air filter banks before installation of new prefilters.
 - d. Upon completion of all Work affecting existing air handling systems, the Contractor shall remove all temporary filters, covers and associated parts and restore the system to its original operating condition unless otherwise stated elsewhere in the Contract Documents
- E. Clean, repair, resurface, or restore existing surfaces to their original, or better, condition, or completely replace such surfaces to match existing, where damaged by construction operations.
- F. Security is the responsibility of the Contractor.
- G. Construction Debris:
- 1. Debris shall not be allowed to remain around the buildings during performance of Work, but shall be disposed of as rapidly as it accumulates.
 - 2. On completion of Work, the buildings and grounds shall be left in a condition that is equal to or better than original condition.
 - 3. In case of failure to do so, the Owner may remove rubbish and charge the cost to the Contractor.
- H. The Contractor shall manage a safe job environment for both the safety of all the people around the Work site as well as the safety of the Owner's and general public's property.
- I. The Contractor shall provide and maintain suitable barricades, shelters, lights, and danger signals during the progress of the Work; they shall meet the requirements of the local building code and OSHA.

1.04 DRAINAGE

- A. Verify that all rain drains in the construction areas are in working order and notify the Owner's Authorized Representative in writing of any rain drains that are plugged, prior to the start of the Work.
- B. Start of Work will be considered as acknowledgment that all drains are clear and in good working order.
- C. All drains shall be left in a clean and proper working condition.

1.05 CONSTRUCTION PROJECT SAFETY FORM

- A. Contractor shall submit to the Owner, prior to signing the Contract, the completed

"Construction Project Safety Form", which is provided with instructions at the end of this Section.

1.06 TEMPORARY UTILITIES

- A. Temporary Utilities:
 - 1. Prepare a schedule indicating dates for implementation and termination of each temporary utility.
 - 2. At the earliest feasible time, when acceptable to the Owner, change over from use of temporary service to use of the permanent service.
- B. Conditions of Use:
 - 1. Keep temporary services and facilities clean and neat in appearance.
 - 2. Operate in a safe and efficient manner.
 - 3. Take necessary fire prevention measures.
 - 4. Do not overload facilities or permit them to interfere with progress.
 - 5. Do not allow hazardous, dangerous or unsanitary conditions, or public nuisances to develop or persist on the site.
- C. Electrical Service:
 - 1. Service limited to 20 amp 120V circuits will be paid for by the Owner.
 - 2. Connection to the service shall be the responsibility of the Contractor, with the Owner's approval.
 - 3. Coordinate with the Owner's Authorized Representative.
- D. Water Service:
 - 1. Service in reasonable quantities for the Project will be paid for by the Owner.
 - 2. Connection to the service shall be the responsibility of the Contractor, with the Owner's approval.
 - 3. Coordinate with the Owner's Authorized Representative.

1.07 TEMPORARY SUPPORT FACILITIES

- A. Temporary Sanitary Facilities:
 - 1. Provide and maintain an adequate number of facilities for the use of all persons employed on the Work during construction.
 - 2. Provide enclosed, weatherproof facilities with heat as required.
 - 3. Use of new or existing Owner's facilities will not be permitted.
- B. Temporary Heat and Ventilation:
 - 1. As necessary, provide temporary heat and ventilation required by construction activities, for curing or drying of completed installations or protection of installed construction from adverse effects of low temperatures or high humidity. Select safe equipment that will not have a harmful effect on completed installations or elements being installed. Coordinate ventilation requirements to produce the ambient condition required and minimize consumption of energy.

- C. Telephone Equipment: Provide telephone communications at project site.
- D. Existing Services:
 - 1. Do not interrupt any existing service.
 - 2. Prior request and approval of the Owner's Representative will enable the Owner to shut down any utility required by the Work.
 - 3. Contractor shall not shut down utilities.

1.08 TEMPORARY BARRIERS AND ENCLOSURES

- A. Provide barriers and fencing to prevent unauthorized entry to construction areas and to protect existing facilities and adjacent properties from damage.
- B. Provide Commercial grade chain link fence construction.
- C. Provide 6 foot high fence around construction site as directed by Owner's Authorized Representative; equip with vehicular and pedestrian gates with lock.
- D. Exterior Closures: Provide temporary secured, weather-tight closures at exterior openings, to permit acceptable working conditions and protection of the Work.
- E. Interior Closures:
 - 1. Provide temporary floor to ceiling partitions (not plastic sheeting) and ceilings as required to separate work areas from Owner occupied areas, to prevent penetration of dust and moisture into Owner occupied areas, to reduce construction noise, and to prevent damage to existing materials and equipment.
 - 2. Paint surfaces exposed to view from Owner occupied areas.

1.09 ODORS

- A. Work that causes excessive odors shall be performed only after coordination with the Owner's Authorized Representative. Filtering of air intakes to units may be required to prevent odors and vapors from entering the buildings.
- B. Contractor shall provide 7 days advance notice to the Owner's Authorized Representative in order for advance notice to be forwarded to building occupants. Work stoppage may occur if advance notification has not been coordinated or odors and vapors from the work are found to generate complaints from building occupants.

1.10 FIRE SAFETY

- A. Ensure that required exit routes remain unobstructed while building is occupied.
- B. Abide by all fire safety requirements for buildings under construction, alteration or demolition as required by Article 87, of the Uniform Fire Code as adopted by the State of Oregon.
- C. An emergency telephone shall be provided on site. Cellular telephone equipment is acceptable.
- D. Fire Suppression Equipment:

1. Install and maintain temporary fire protection facilities of the types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 10 "Standard for Portable Fire Extinguishers", and NFPA 241 "Standard for Safeguarding Construction, Alterations and Demolition Operations".
2. Maintain equipment in working condition with current inspection certificate attached to each.
3. Locate fire extinguishers where convenient and effective for their intended purpose, but not less than one extinguisher on each floor at or near each usable stairwell.
4. Store combustible materials in containers in fire-safe locations.
5. Maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire protection facilities, stairways, and other access routes for fighting fires.
6. Provide continual supervision of welding operations, combustion type temporary heating units, and similar sources of fire ignition.
7. When possible, relocate hot work to a designated hot work area.
8. If the materials or equipment cannot be relocated to a designated hot work area, use the least hazardous form of hot work that will get the job done and prepare the area properly.
9. Manage mobile hot work using the formal hot work permit system. (mentioned in the next bullet point and also a directive in the OSU Hot Work Safety Program)
10. Make sure both fire protection and hot work equipment work properly.
11. Train all personnel involved in hot work operations and activities so that they have the understanding, knowledge, and skills necessary to safely perform their jobs.

1.11 CONSTRUCTION AIDS

- A. Scaffolding: comply with applicable OSHA requirements.
- B. Material Handling Equipment:
 1. Provide necessary cranes, hoists, towers, or other lifting devices.
 2. Use only experienced operators.
 3. Remove equipment as soon as possible after task is ended.
 4. Coordinate placement of such equipment with Owner's Authorized Representative.
 5. Obtain required permits and meet requirement of governing authorities regarding applicable regulations.
- C. Materials or debris shall not be allowed to free fall from building.
- D. The use of chutes or conveyors must be approved by Owner.

1.12 TEMPORARY CONTROLS

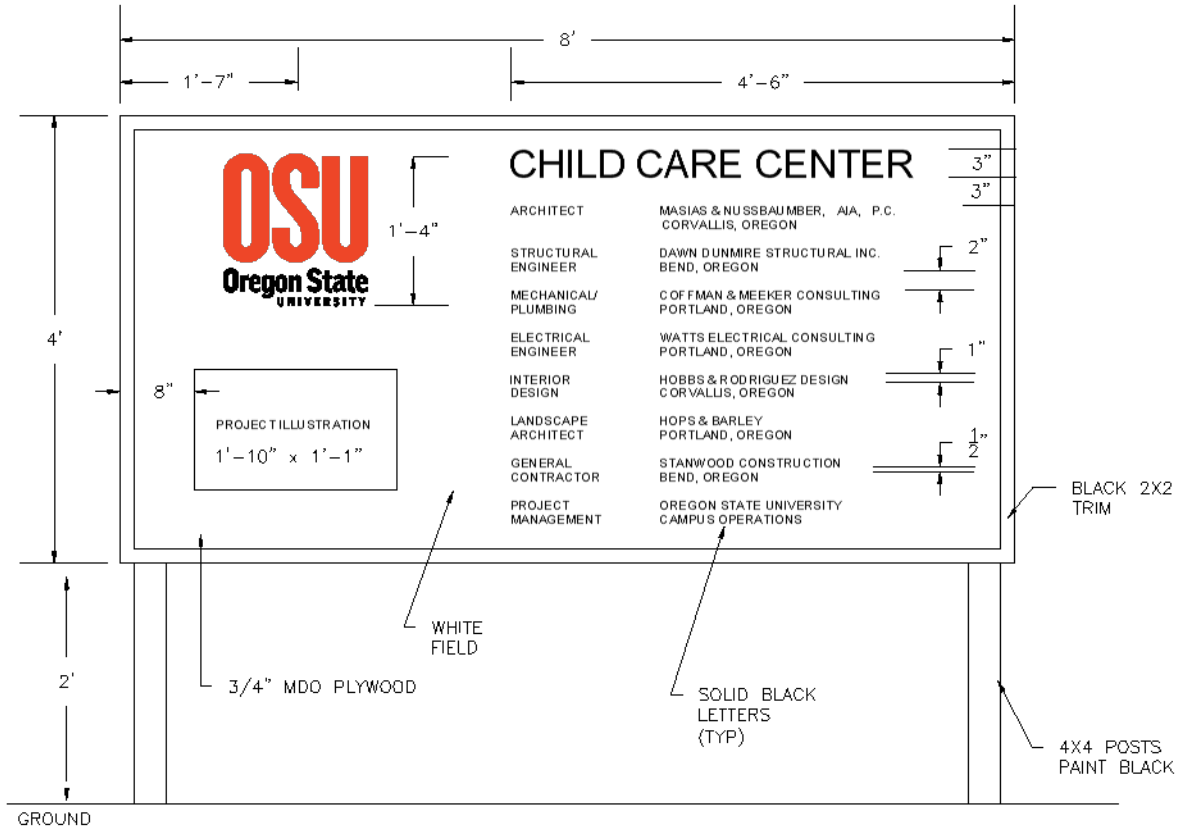
- A. Water Control:
 1. Maintain excavations free of water.
 2. Provide, operate, and maintain necessary pumping equipment.

- B. Protection:
 - 1. Protect installed Work and provide special protection where specified in individual specification sections.
 - 2. Prohibit traffic or storage upon waterproofed or roofed surfaces.
- C. Security:
 - 1. Provide security and facilities to protect Work and existing facilities and Owner's operations from unauthorized entry, vandalism, or theft.
 - 2. Coordinate operations with Owner's Authorized Representative.
- D. Temporary Traffic Control /Pedestrian Accessibility
 - 1. A continuous route for all pedestrians, including persons with disabilities and bicyclists, shall be maintained at all times. When existing pedestrian facilities are disrupted, closed, or relocated in a construction zone, temporary pedestrian facilities shall be provided.
 - 2. Temporary pedestrian facilities should be safe and accessible. There should be no curbs or abrupt changes in grade that could cause tripping or be a barrier to wheelchair use.
 - 3. Signage shall be provided directing people to the temporary accessible route. The signage shall include the International Symbol of Accessibility.
 - 4. Contractors shall not block temporary walkways with vehicles, equipment, construction materials, signs, trash, or other objects that might prohibit pedestrian passage.
 - 5. Construction equipment and equipment operation must be separated from any open walkways. At construction zones, pedestrian fences or other protective barriers shall be provided to prevent access into the construction zone.

1.13 PROJECT SIGNAGE

- A. Contractor is permitted to post only one project identification sign based on the following example:

OSU TYPICAL JOB SIGN



1.14 PREPARATION

- Consult with Owner to review jobsite areas required for field offices, material storage and stockpiles, equipment storage, access to different locations, etc.

1.15 PERFORMANCE

- Confine equipment, apparatus, and storage of material to work limits. The Owner will not be responsible for protection of materials and equipment from damage, pilfering, etc.
- Install temporary facilities in such a manner that the installed work will not be damaged.
- Do not use facilities of existing building unless authorized in writing by the Owner.
- Effective September 1, 2012, OSU became a non-smoking campus and smoking is prohibited on all Campus property.
- Keep facilities well maintained.
- Relocate temporary facilities as required during job progress.

- G. At Substantial Completion, clean and renovate permanent facilities that have been used during the construction period, including but not limited to:
1. Replace air filters and clean inside of ductwork and housings.
 2. Replace significantly worn parts and parts that have been subject to unusual operating conditions.
 3. Replace lamps that are burned out or noticeably dimmed by substantial hours of use.

END OF SECTION

Oregon State University Construction and Maintenance Safety Requirements

EH&S, 100 Oak Creek Building, Corvallis, OR 97331-7405, (541) 737-2273,
FAX (541) 737-9090

Complete OSU Construction and Maintenance Safety Form - Send completed documents (including Site Safety Plan and all separate answer pages) to Construction Contract Administration along with the signed contract and bonds.

Project Isolation - All construction and remodeling activities regardless of size and/or scope must be fenced, barricaded, or otherwise protected to restrict entrance and to ensure the safety of those in the general area. See isolation requirements.

Site Safety Plan - A site safety plan will be required and will address:

- General Information
- Emergency Information
- Key Organization Personnel
- Hazard Evaluation/Facility Impact
- Emergency Procedures
- Work Zones
- Security Measures
- Fire Protection

A model plan is attached. This form can be used if another plan has not already been prepared. Contact OSU Environmental Health & Safety for more information 737-2505.

Isolation Requirements

General: All construction, maintenance, and remodeling activities, regardless of size or scope, must be fenced, barricaded, or otherwise isolated to restrict entrance and to ensure the safety of those in the general area.

Outdoor Activities: Outdoor projects require the following perimeter isolation:

- A six foot chain-link fence, with controlled access points, extending in all directions around the excavation or building site such that no area of the construction is accessible to pedestrians or unauthorized personnel or vehicles.
- Isolation area will include vehicle loading and unloading areas.
- At the University's option, other barricading plans may be accepted. These may apply to projects such as road resurfacing, parking lot striping, exterior building water proofing, deliveries, etc. Contact EH&S regarding other barricading plans.

Overnight: Any excavation across or adjacent to sidewalks or pathways which must be left open overnight, must be identified with working, blinking construction lights in addition to solid barricades

Indoor Activities: Indoor construction or maintenance projects which will create dust, potentially hazardous fumes or vapors, or offensive odors are subject to the following isolation:

- Areas where existing doors can provide isolation will be labeled "Construction Area--Authorized Personnel Only".

- All other areas will be isolated by a solid barrier. The minimum barrier allowed is 4 mil poly sheeting sealed to prevent migration of dust.
- Mechanical ventilation may be required.
- A solid wall is required if building envelope is opened to the outside.

Contractor Responsibilities

- The contractor will provide all barricading, isolation, and fencing material. OSU will not provide any materials.
- The contractor will also provide all appropriate warning and detour signs when sidewalks, exits, or roads are closed.
- Contractor will provide all other construction area signs.

OSU Construction and Maintenance Safety Form

Send completed safety documents to Construction Contract Administration with contract and bonds.

Date: _____ Project: _____

Start Date: _____ Completion date: _____

Contractor: _____ Contact: _____

Work # _____ 24 hr #: _____

OSU Project Mgr: _____ Work / 24hr #'s: _____

Dept Contact: _____ OSU EH&S Contact: _____

Preconstruction meeting? **Y N** Date/Time/Location: _____

For the following items, prepare answers on a separate sheet for all items marked "Yes". Precede each answer with the appropriate item number. All boxes need to be checked

Y	N	For This Project	If YES, then:
		1 Will any confined spaces be accessed?	Describe location of entry Specify location of permit Notify EH&S prior to entry See SAF 209
		2 Will hot work be performed (welding, cutting, brazing, etc.)?	Provide min. 5# 2A10BC extinguisher within 10 ft If indoors - provide and describe ventilation See SAF 214
		3 Any products brought to campus?	Provide MSDS on site prior to first use; Make available to OSU on request
		4 Will lead paint be impacted?	Describe plan to limit contamination
		5 Will asbestos-containing-material be impacted?	Coordinate with OSU asbestos manager
		6 Will <u>any</u> materials (construction debris, soil, water, etc) be removed from campus?	Describe in detail identity and disposition of material (how, where)
		7 Any open trenches or holes?	Describe isolation procedures (see Page 1)
		8 Will a crane be used?	Describe crane safety plan (include plan to prevent loads above occupied areas)
		9 Is this project building a new facility, a major remodel?	Provide Site Safety plan Describe isolation procedures (see Page 1)
		10 Is this a minor remodeling project?	Provide, or fill out model Site Safety Plan form (see Page 3) Describe isolation procedures (see Page 1)
		11 Will air contamination be produced (e.g. dust, CO, solvent vapors, VOCs, odors)?	Describe project ventilation and isolation Indicate position of building air intake(s)
		12 Will there be noise > 85 dB?	Describe noise minimization plan
		13 Will this project use a scaffold or an external chute?	Describe isolation, dust control, installation
		14 Will this project involve a working surface >6' above a lower level	Describe fall protection
		15 Will any "blind" saw-cuts or penetrations be made in existing foundations, floors, ceilings and/or walls?	Describe plan for detecting and protecting power lines or other building utility lines.

EH&S Review: _____ Date: _____

Model Site Safety Plan

1. General Information

Contractor name _____
 Address _____
 City, State, Zip _____
 Site Safety Officer _____ Project Dates _____
 Project Name _____

2. Emergency Information

Emergency Response	911	OSU EH&S and OSU Facilities Services must be notified in the event of an emergency
Hazardous Materials Spill		
MSDS on-site location		
OSU EH&S	(541) 737-2273	
Facilities Services	(541) 737-2969	

3. Contractor Key Personnel

	Name	Phone	Emergency Contact
Company Owner			
Project Manager			
Job Supervisor			
Site Safety Officer			
Other Responsible Individual			
24 Hour Notification			

List of employees on site _____

4. Hazard Evaluation/ Facility Impact	
Physical	Yes / No
Heavy Equipment	
Noise	
Heat	
Elevation	
Radiation Materials	
Excavations	
Underground Utilities	
Confined Spaces	
Fire Prevention	
Electrical	

5. Emergencies
Services
Evacuation Route
First Aid Location
Hazardous Materials Spill Procedure

6. Work Zones

Material Storage _____
 Parking locations _____
 Individuals with OSU keys _____
 Access issues _____

7. Security measures

8. Fire protection

SECTION 01 56 39

TREE AND PLANTING PROTECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Section includes temporary fencing, barricades, and guards to protect trees, plants and groundcovers not indicated to be removed, as necessary and required to prevent damage above and below grade.

1.02 DEFINITIONS

- A. Dripline: Outer perimeter of branches of any tree or plant.
- B. Groundcover: Includes but not limited to plants and grass.

1.03 PERFORMANCE REQUIREMENTS

- A. The Contractor shall exercise utmost care to protect existing trees and plants designated to remain and shall comply with all protection requirements provided by Owner and City of Corvallis as conveyed through the Owner's Authorized Representative.
- B. The Contractor shall install tree protection fencing as detailed and shall prevent damage to shrubs, groundcover, trees, root systems, soil, bark, foliage, branches and limbs due to construction activities, including but not limited to:
 - 1. Soil contamination, erosion, and compaction.
 - 2. Excessive wetting, and ponding due to storm water, and construction run-off.
 - 3. Alteration of grade, stockpiling of soil, debris, and materials.
 - 4. Damage to soil, roots, bark, trunk, limbs, branches, and foliage.
 - 5. Prevent unauthorized cutting, breaking, skinning and bruising of roots, branches, and bark.

1.04 SUBMITTALS

- A. Procedural proposal for tree and plant protection, describe methods of protection, and stabilization, provide drawings and supporting documentation as directed.
- B. Contractor's Condition Inspection; include written report and color photographs.

1.05 PROJECT CONDITIONS

- A. Install protection during initial mobilization at the Work site, and maintain until substantial completion.
- B. If, in the opinion of the Owner's arborist, additional protection is required, the Contractor shall install additional fencing as directed and without cost to the Owner.
- C. The location and requirements for additional fencing shall be determined by the

Owner's arborist prior to, and at any time during the course of the Work.

- D. Fencing:
 - 1. Fencing shall be installed at the tree and plant protection areas as detailed on Plans, or as directed by the Owner's Authorized Representative.
 - 2. Tree and plant protection fences shall remain in place until all Work is completed and shall not be removed or relocated without the approval of the Owner's Authorized Representative.
- E. Driving and Parking:
 - 1. Not permitted off paved surfaces without the approval of the Owner's Authorized Representative.
 - 2. When approved, the Contractor shall place plywood of sufficient thickness and width to support vehicles and prevent rutting on the area to be driven on.
 - 3. Care shall also be taken with respect to existing lawn sprinkler systems.
- F. Storage of materials and Debris: Not permitted off paved surfaces.

PART 2 PRODUCTS

2.01 MANUFACTURED COMPONENTS

- A. Chain Link Fencing: 11 gage galvanized chain link, six feet tall, and 1.5 inch inside diameter galvanized steel line posts and 2.5 inch inside diameter corner posts, provide lockable gates as necessary.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions: Inspect trees, plants, and groundcovers, document existing conditions prior to installation of protection.

3.02 EXECUTION

- A. Pruning and Cutting of Roots, Branches and Foliage:
 - 1. Review conditions with Architect or Owner prior to need for work, and proceed as directed.
 - 2. All pruning to be done by Owner's landscape maintenance personnel or ISA Certified arborist under the direction of Owner's Landscape Management Department.
 - 3. Perform pruning and cutting with sharp instruments intended for the purpose; do not break or chop.
- B. Root Cuttings:
 - 1. Carefully and cleanly cut roots and branches of trees indicated to be left standing

- where such roots and branches obstruct new construction.
2. Protect exposed roots with wet burlap until they can be covered with soil.
- C. Excavation and Trenching Within Drip Lines:
1. Permitted where indicated, and at other specifically approved locations.
 2. Tunnel under or around roots by hand digging or boring.
 3. Do not cut main lateral roots and tap roots over one inch diameter; cut smaller roots which interfere with installation of new Work.
 4. Do not allow exposed roots to dry out before permanent backfill is placed; provide temporary earth cover, or pack with peat moss and wrap with burlap.
 5. Water and maintain roots in moist condition and temporarily support and protect from damage until permanently relocated and covered with backfill.
- D. Existing Grading: Maintain within drip line of trees and plants unless otherwise indicated on the drawing and approved by the Owner's Authorized Representative.
- E. Tree Protection:
1. Provide temporary fence complying with Section 01 51 00 for protection of trees to remain.
 2. Extend fencing ten feet beyond dripline, except where greater distance is required for protection of Elm trees.
 3. Prevent entry into protected areas except as authorized in writing by the Owner's Authorized Representative.

3.03 REPAIR AND REPLACEMENT OF TREES AND PLANTS

- A. Repair trees or shrubs damaged by construction operations as directed by the Owner.
- B. Make repairs promptly after damage occurs to prevent progressive deterioration of damaged trees.
- C. Damaged Trees, Shrubs and Groundcover:
1. Replace where Owner's Authorized Representative determines restoration to normal growth pattern is not possible; plant and maintain as directed.
 2. Replacement trees up to 13 inches caliper and shrubs up to 4 feet tall: Same size as damaged tree or shrub, species selected by the Owner's Authorized Representative.
 3. Trees over 13 inch caliper and shrubs greater than 4 feet tall: Compensate Owner as determined by an acceptable consulting arborist registered with the American Society of Consulting Arborists.
 4. Replacement groundcovers: Same size and quality as damaged species selected by Owner's Authorized Representative.

END OF SECTION

SECTION 01 60 00

PRODUCT REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Summary:
 - 1. Product options.
 - 2. Owner-furnished products.
 - 3. Product delivery, storage and handling.

1.02 PRODUCTS

- A. Products:
 - 1. New material, machinery, components, equipment, fixtures, and systems forming the Work, but does not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work.
 - 2. Products may also include existing materials or components specifically identified for reuse.
- B. Use interchangeable components of the same manufacture for similar components.
- C. Unless otherwise specified, all material and equipment shall be new; free from defects impairing strength, durability, and appearance; of current manufacture.
- D. Items specified shall be considered minimum as to quality, function, capacity, and suitability for application intended.
- E. Items incorporated into the Work shall conform to applicable specifications and standards designated, and shall be of size, make, type, and quality specified.
- F. Design, fabricate, and assemble in accordance with current best engineering, industry, and shop practices.
- G. Manufacture like parts of duplicate units to standard size and gauge to make them interchangeable.
- H. Two or more items of the same kind shall be identical and made by the same manufacturer.

1.03 PRODUCT OPTIONS

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

allowed.

D. Substitution Procedure: Under Section 01 25 00.

1.04 REUSE OF EXISTING PRODUCTS

- A. Except as specifically indicated or specified, materials and equipment removed from existing construction shall not be used in the completed Work.
- B. For material and equipment specifically indicated or specified to be reused in the Work:
 - 1. Use care in removal, handling, storage, and reinstallation to assure proper function in the completed Work.
 - 2. Arrange for transportation, storage, and handling of products which require off-site storage, restoration, or renovation.
 - 3. Remove and reinstall mechanical units, vents, guys, antennae, and electrical and grounding wires or conduits.

1.05 OWNER FURNISHED PRODUCTS

- A. Designate delivery dates of Owner-furnished items in the construction schedule.
- B. Receive, unload, store and handle Owner-furnished items at the site; protect from damage.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Transport, handle, store and protect products in accordance with manufacturer's instructions.
- B. Arrange deliveries in accordance with construction schedules; coordinate to avoid conflict with Work and site conditions.
- C. Deliver and store products in undamaged condition in manufacturer's original containers or packaging with identifying labels intact and legible.
- D. Inspect shipments to assure compliance with Contract Documents and reviewed submittals, and that products are undamaged.
- E. Prevent soiling or damage to products or packaging.
- F. Interior Storage: Maintain required temperature and humidity ranges. Verify that Owner furnished storage meets product manufacturer's requirements.
- G. Exterior Storage:
 - 1. Store materials above ground to prevent soiling and/or moisture infiltration.
 - 2. Cover materials with waterproof breathable sheet coverings; provide adequate ventilation.
 - 3. All storage locations to be approved in advance by the Owner.
- H. Arrange storage to provide access for inspection.

- I. Coordinate with Owner's Authorized Representative all on-site storage activities.
- J. Provide for security of stored products.

END OF SECTION

SECTION 01 73 29

CUTTING AND PATCHING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Requirements and limitations for cutting and patching of Work.

1.02 RELATED SECTIONS

- A. Section 01 25 00, Product Substitution Procedures.
- B. Section 01 33 23, Shop Drawings, Product Data, Samples

1.03 SUBMITTALS

- A. Submit written request in advance of cutting or alteration which affects:
 - 1. Structural integrity of any element of the Work.
 - 2. Efficiency, maintenance, or safety of any operational element.
 - 3. Visual qualities of sight exposed elements.
 - 4. Work of Owner or separate contractor.
- B. Include in request:
 - 1. Identification of project.
 - 2. Location and description of affected work.
 - 3. Necessity for cutting or alteration.
 - 4. Description of proposed work, and products to be used.
 - 5. Alternatives to cutting and patching.
 - 6. Effect on work of Owner or separate contractor.
 - 7. Written permission of affected separate contractor.
 - 8. Date and time work will be executed.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Primary Products: Those required for original installation.
- B. Product Substitution: For any proposed change in materials, submit request for substitution under provisions of Section 01 25 00.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Inspect existing conditions prior to commencing Work, including elements subject to

damage or movement during cutting and patching.

- B. After uncovering existing work, inspect conditions affecting performance of Work.
- C. Beginning of cutting or patching means acceptance of existing conditions.

3.02 PREPARATION

- A. Provide temporary supports to ensure structural integrity of the Work.
- B. Provide devices and methods to protect other portions of the Work from damage.
- C. Provide protection from elements for areas which may be exposed by uncovering work.

3.03 CUTTING AND PATCHING

- A. Execute cutting, fitting and patching to complete work.
- B. Fit products together, to integrate with other work.
- C. Remove and replace defective or non-conforming work.
- D. Provide openings in the work for penetration of mechanical and electrical work.

3.04 PERFORMANCE

- A. Execute work by methods to avoid damage to other Work, and which will provide appropriate surfaces to receive patching and finishing.
- B. Cut rigid materials using masonry saw or core drill. Pneumatic tools are not allowed without prior approval from Owner's Authorized Representative.
- C. Restore work with new products in accordance with requirements of Contract Documents.
- D. At penetrations of fire rated walls, partitions, ceiling or floor construction, completely seal voids with approved fire rated material, to full thickness of the penetrated element.
- E. Refinishing:
 - 1. Refinish surfaces to match adjacent finish.
 - 2. For continuous surfaces, refinish to nearest intersection or natural break.
 - 3. For an assembly, refinish entire unit.

END OF SECTION

SECTION 01 74 00

CLEANING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Related requirements specified elsewhere, cleaning for specific products or work: Specification section for that work.
- B. Maintain premises and public properties free from accumulations of waste, debris, and rubbish, caused by operations.
- C. At completion of Work remove waste materials, rubbish, tools, equipment, machinery and surplus materials, and clean all sight-exposed surfaces; leave project clean and ready for occupancy.

1.02 QUALITY ASSURANCE

- A. Standards: Maintain project in accord with applicable safety and insurance standards.
- B. Hazard Control:
 - 1. Store volatile wastes in covered metal containers.
 - 2. Provide adequate ventilation during use of volatile or noxious substances.

1.03 MATERIALS

- A. Use only cleaning materials recommended by manufacturer of surface to be cleaned.
- B. Use cleaning materials only on surfaces recommended by cleaning material manufacturer.

1.04 DURING CONSTRUCTION:

- A. Wet down dry materials and rubbish to lay dust and prevent blowing dust.
- B. At reasonable intervals during progress of Work clean site and public properties, and dispose of waste materials, debris and rubbish.
- C. Provide on-site containers for collection of waste materials, debris and rubbish.
- D. Remove waste materials, debris and rubbish from site and legally dispose of at public or private dumping areas off Owner's property.
- E. Vacuum clean interior building areas when ready to receive finish painting, and continue vacuum cleaning on an as-needed basis until project is ready for Substantial Completion or occupancy.
- F. Handle materials in a controlled manner with as few handlings as possible; do not drop or throw materials from heights.

1.05 FINAL CLEANING

- A. Employ experienced workers, or professional cleaners, for final cleaning.
- B. In preparation for Substantial Completion or occupancy, conduct final inspection of sight-exposed interior and exterior surfaces, and of concealed spaces.
- C. Remove grease, dust, dirt, stains, labels, and other foreign materials from exposed interior and exterior finished surfaces.
- D. Remove putty, paint, labels, lubricants, etc., from windows, mirrors, and sash, and then polish, taking care not to scratch glass.
- E. Vacuum carpeting (shampoo where required), removing debris and excess nap.
- F. Repair, patch and touch up marred surfaces to specified finish, to match adjacent surfaces.
- G. Replace air filters where units were operated during construction.
- H. Maintain cleaning until project, or portion thereof, is occupied by Owner.

END OF SECTION

SECTION 01 77 00

CONTRACT CLOSEOUT

PART 1 GENERAL

1.01 DESCRIPTION

- A. The requirements specified in this section relate to all Contractors individually performing under these Contract Documents:
 - 1. Project Record Documents.
 - 2. Final review and payment.
- B. Related work specified elsewhere:
 - 1. OSU General Conditions.
 - 2. Shop Drawings, Product Data and Samples, Section 01 33 23.

1.02 PROJECT RECORD DOCUMENTS

- A. The Project Record Documents shall be organized to include the following information, as applicable:
 - 1. Table of Contents
 - 2. Project Team List
 - 3. Specifications (Including Addenda and Change Orders)
 - 4. Drawings
 - 5. Inspection Reports
 - 6. Signed Warranty(ies)
 - 7. Maintenance Instructions
- B. Draft Project Record Documents shall be submitted for review upon 75% completion of the Work.
- C. Project Record Documents shall be submitted electronically to the Owner. Hard copies will not be accepted.
- D. The project team list shall include the name, address, and phone number of the Owner, Contractor, Inspector, Subcontractors, and the materials manufacturers.
- E. Legibly mark each Specification section to indicate actual as-built condition indicating changes in the Work made by addenda or change order or actual materials used and actual manufacturer(s) used.
- F. Maintain current and accurate as-built mark-ups during construction and make available to Owner's Authorized Representative upon request.
- G. Legibly mark the drawings to indicate actual as-built conditions indicating changes in the Work made by addenda or change order or actual conditions which differ from the drawings.
- H. Redraw or provide new drawings as required for a complete as-built set of drawings.

The Contractor shall maintain current and accurate as-built mark-ups during construction and make available to Owner's Authorized Representative.

- I. Include inspection reports if applicable.
- J. Include, in a single section, all copies of the Project's labor and material warranties clearly marked to identify the Owner's responsibilities under the terms of each warranty and the section of Work that each warranty covers. One set must be clearly marked as containing original documents.
- K. In the case of an elevator installation, the Contractor's and manufacturer's warranty shall provide for the Owner's right to respond to emergency/car failure situations for the purpose of extricating individuals trapped in the elevator.
- L. Include maintenance instructions complete with technical information and name, address, and phone number of the Contractor(s) and manufacturer(s) of each material and product.

1.03 FINAL REVIEW AND PAYMENT

- A. Prior to completion, the Contractor shall inspect the Work and make a Punch-list noting all items that are incomplete and/or incorrect.
- B. The Contractor shall notify all Subcontractors in writing of incomplete and/or incorrect items. Notify far enough in advance of the completion date that the Work can be completed on schedule. Said Work shall be immediately corrected.
- C. Should conditions prevail which prohibit some elements of the Work from being accomplished, but the work-in-place will perform the primary function (i.e., painting cannot be completed due to high moisture content of masonry walls.) the Contractor shall record the reason with this Punch-list item requesting temporary delay in completion from the Owner in writing.
- D. Notify the Owner in writing that all items are completed and ready for final review or else that the Work product is fully usable, but some listed deficiencies remain to be completed. Submit all record documents at this time.
- E. The Owner will review all documents. When the documents include a Contractor's request for delay in completion, the Owner will review all Work which is certified as complete to the best knowledge of the Contractor. The Owner will also review the listed incomplete Work and assign a value to such uncompleted work.
- F. The Contractor shall make the required corrections to the Work expeditiously. A letter will be addressed to the Contractor informing the Contractor of the project status.
- G. When Contract closeout procedures are completed and all Punch-list deficiencies have been corrected, provide Owner with final corrected Project Record Documents based on Owner's preliminary review. Correct Project Record Documents shall be in electronic format.

- H. Final Completion by the Owner will be documented and the Contractor will receive written notice of acceptance of the Work and notification that final payment may be billed and released.
- I. All warranties shall commence and become effective beginning on the date of Substantial Completion.

END OF SECTION

Exhibit L

Project Description

RESERVED

Exhibit M

Quality Management and Control Plan

RESERVED

Exhibit N

Site Description

RESERVED

Exhibit O

Direct Costs/General Conditions Costs/Fee Matrix and Travel Reimbursement Policy

See attached

EXHIBIT O
DIRECT COSTS/GENERAL CONDITIONS WORK COSTS MATRIX

	Description	Construction costs/Paid by Owner		Contractor's O/H Part of CM/GC's Fee	Misc. Costs Paid by Owner
		Direct Cost of the Work	General Conditions Work Costs		
Costs Related to CM Staffing & Job Office					
1	Project Superintendent		X		
2	Area Superintendents		X		
3	Project Executive (for project specific time only)		X*		
4	Senior Project Manager (for project specific time only)		X		
5	Project Manager		X		
6	Project Engineers		X		
7	Field Engineers = install, adjust, and/or trouble-shoot equipment		X		
8	Project Admin = on-site office manager, payroll, clerical services		X*		
9	Scheduler (for project specific time only)		X		
10	MEP Coordinator (for project specific time only)		X		
11	LEED Coordinator (for project specific time only)		X		
12	Safety Coordinator (for project specific time only)		X		
13	Detailer	X			
14	Accounting/Data Processing			X	
15	Payroll Accountant			X	
16	Surveying	X			
17	Benefits - included in hourly rates		X		
18	Vacation Time - included in hourly rates		X		
19	Travel, Hotel, Meals, etc. (in accordance with Agreement for product verification only)		X		
20	Sick Leave - included in hourly rates		X		
21	Bonuses			X	
22	Jobsite Office material costs and expendables		X		
23	Warranty			X	
24	Corrective/Non-conforming repair			X	
25	Corrective work not due to contractor default			X	
26	PM auto rental		X		
27	PM auto fuel for on-site job-related errands only - not travel from home		X		
28	Project Superintendent truck rental		X		
29	Project Superintendent truck fuel for on-site job-related errands only - not travel from home		X		
30	Office Trailer Rental		X		
31	Office Furniture/Equipment		X*		
32	Blueprints for sub bidding - Allowance		X*		
33	Blueprints for day-to-day job operations		X		
34	Postage/FedEx		X		
35	Project Photos		X		
36	Phones/Computers & other Electronic Devices, associated services charges			X	
37	General Contractor Bond	X			
38	Subcontractor Bonds	X*			

*May be subject to negotiation

	Description	Construction costs/Paid by Owner		Contractor's O/H Part of CM/GC's Fee	Misc. Costs Paid by Owner
		Direct Cost of the Work	General Conditions Work Costs		
39	Insurance GL, Auto (in accordance with OSU contract only)			X	
40	Insurance All Risk	X			
41	Soils report				X
42	Testing and Inspections				X
43	Facility training	X			
44	Building Permits/Fees				X
45	Development Permits/fees				X
46	Estimating	X			
47	Corporate accounting			X	
48	Corporate safety officer			X	
49	Main office administration			X	
50	Corporate IT director			X	
51	Legal			X	
52	Main office payroll costs			X	
53	Main office fringe/bonus costs			X	
54	Construction Wages for trade labor	X*			
55	Labor Burden for trade labor, including Workers Comp premiums	X*			
56	Subcontracts	X			
57	Material & Equipment related to craft labor & site logistics	X			
58	Rental-Contractor Owned equip (less than \$2000 will be purchased)	X*			
59	Small Tools (less than \$2000 will be purchased)		X*		
60	Job truck rental/operation		X		
61	Job truck fuel		X		
62	Water truck		X		
63	Dewatering		X		
64	Equipment rental -third party	X			
65	Storage Trailer rental		X		
66	Temporary Toilets		X		
67	Project Signage		X		
68	Temporary Fencing		X		
69	Barricades		X		
70	Temporary Enclosures		X		
71	Temporary Stairs		X		
72	Opening Protection		X		
73	Safety railing and nets		X		
74	Drinking water (NOT coffee) and supplies (cups)		X		
75	Safety equipment for CMGC personnel. Generic only - not logo materials. Subs provide own in COW.	X	X		
76	First Aid supplies for CMGC personnel. Subs provide own in COW.	X	X		
77	Security		X*		
78	Weather protection		X		
79	Mobilization/Demobilization		X		
80	Craft Parking			X	
81	Craft Shuttles			X	
82	Telephone and Data line Installation		X		

*May be subject to negotiation

	Description	Construction costs/Paid by Owner		Contractor's O/H Part of CM/GC's Fee	Misc. Costs Paid by Owner
		Direct Cost of the Work	General Conditions Work Costs		
83	Temp utilities hookup		X		
84	Temp utility bills				X
85	Periodic Cleanup	X			
86	Final cleanup	X			
87	Dump permits/fees	X			
88	Trash removal/Hauling	X			
89	Flagging/Traffic control	X			
90	Dust Control	X			
91	Trash chute	X			
92	Trade permits				X
93	Manlift Materials and Rental	X			
94	Manlift Erect/Dismantle	X			
95	Manlift operator	X			
96	Crane rental	X			
97	Crane operator & bellman	X			
98	Crane Erect/Dismantle/Jump	X			
99	Crane Service agreement costs	X			
100	Temp elevator operator	X			
101	Temp elevator agreement	X			
102	Forklift rental	X			
103	Forklift operator	X			
104	Equipment Fuel	X			

REIMBURSABLE TRAVEL AND PER DIEM EXPENSES

The Owner shall reimburse CMGC for any allowable travel and per diem subsistence expenses more particularly described below. Charges for travel expenses will be reimbursed at cost, but not in excess of the rates stated below. These rates are as follows:

Air fare (coach class only) and car rental	At Cost
Personal car mileage	\$.56/per mile
Lodging	At Cost

Meals: (documentation not required) (reimbursable only when associated with overnight travel)

Breakfast	\$15
Lunch	\$15
Dinner	\$30

Printing, photography, long distance telephone charges and other direct expenses	At cost
---	---------

Requests for reimbursement of allowable expenses, except meals, must include documentation of actual expenditures.

Exhibit P

Insurance Requirements

See attached

INSURANCE REQUIREMENTS

A. GENERAL.

Contractor shall, and shall cause each Subcontractor to, maintain the insurance coverages set forth below:

1. **Commercial General Liability (CGL)**

\$2,000,000 Each Occurrence

\$4,000,000 General Aggregate – Per Project Aggregate

\$4,000,000 Products/Completed Operations Aggregate

\$2,000,000 Personal Injury

2. **Business Automobile**

\$1,000,000 Combined Single Limit

3. **Workers' Compensation/Employers' Liability (Stop Gap)**

Statutory Workers' Compensation – Coverage A

\$1,000,000 Each Accident

\$1,000,000 Disease – Policy Limits

\$1,000,000 Disease – Each Employee

4. **Contractors Pollution Liability**

\$5,000,000 Each Occurrence and General Aggregate

5. **Excess Umbrella Liability:**

For Contractor:

\$X,000,000 Each Occurrence/Annual General Aggregate

For Subcontractors, unless a higher limit is set by Subcontract:

Where the Subcontract Sum is \$500,000 or less, \$2,000,000 Each Occurrence/Annual General Aggregate

Where the Subcontract Sum is over \$500,000 but not more than \$2,000,000, \$5,000,000 Each Occurrence/Annual General Aggregate

Where the Subcontract Sum is over \$2,000,000 but not more than \$5,000,000, \$10,000,000 Each Occurrence/Annual General Aggregate

Where the Subcontract Sum is over \$5,000,000 but not more than \$10,000,000, \$15,000,000 Each Occurrence/Annual General Aggregate

Where the Subcontract Sum is over \$10,000,000, then \$25,000,000 Each Occurrence/Annual General Aggregate

B. ADDITIONAL REQUIREMENTS.

1. **Commercial General and Excess Umbrella Liability Insurance.**

- a) CGL insurance shall be written on current ISO occurrence for CG 00 01 or its equivalent if Owner approves and shall cover liability arising from premises, operations, independent contractors, products-completed operations, death, bodily injury, property damage, personal injury and advertising injury and liability assumed under an insured contract. Excess Umbrella Insurance coverage shall be provided on a follow-form basis and Contractor shall be responsible for any gaps between underlying coverage and excess coverage for all policies required under the terms of this Agreement.
- b) The Indemnitees shall be included as additional insureds under the CGL, excess umbrella liability and contractors pollution liability coverages. The additional insured coverage under the CGL shall be on current ISO additional insured endorsements CG 20 10 (07 04) and CG 20 37 (07 04) or substitutes providing equivalent coverage if Owner approves. Such insurance shall apply as primary insurance to the additional insureds.

2. Completed Operations Liability Insurance.

Completed operations coverage required by the Contract Documents shall be maintained for at least **ten (10) years** following Final Completion of the Work.

3. Business Auto and Umbrella Liability Insurance.

- a) Business Auto and Umbrella Liability Insurance shall cover liability arising out of any auto including owned, unowned, and hired.
- b) Business auto coverage shall be written on current ISO form CA 00 01, CA 00 05, CA 00 12, CA 00 20 or its equivalent if Owner approves.

4. Railroad Protective Liability.

- a) Where required by the railroad for construction or demolition activities, Subcontractors shall procure and maintain Railroad Protective Liability meeting the railroad's requirements.
- b) If the Work involves construction or demolition operations at or near railroad property the Subcontractors' CGL policies shall contain current ISO Form Endorsement CG 24 17 01 96 or substitute form providing equivalent coverage.

5. General/Certificates of Insurance.

- a) All insurance policies shall: (i) be written by insurance companies authorized to do business in the State of Oregon having a financial size of VII or higher and a rating of not less than "A-X" in the latest version of Best's Insurance Guide and (ii) not be suspended, canceled, or altered except after thirty (30) days' prior written notice to Owner by certified mail, return receipt requested.
- b) Prior to commencement of any applicable Work, Contractor shall file with Owner certificates of insurance evidencing the required insurance is in effect. At Owner's request, Contractor shall deliver to Owner the actual insurance policies and any endorsements or riders. The endorsements and riders shall include cross-claim and severability of interests endorsements.

6. Deductibles.

- a) CGL and Workers' Compensation/Employer's Liability (Stop Gap) policies shall not include a deductible or self-insured retention of more than [\$200,000] per claim.

7. Professional Liability Insurance.

- a) Contractor shall maintain professional liability insurance for claims arising from any professional services Contractor and its Subcontractors perform on the Project. The professional liability insurance shall be maintained throughout the Project and for a period of not less than **three (3) years after Final Completion of the Work.** Contractor's consultants and contractors working on Contractor's behalf shall maintain professional liability insurance with limits customary for the scope and character of the professional services performed.

C. BUILDERS' RISK INSURANCE.

1. **Contractor** shall place and maintain, on an "all-risk" or "special form" policy form, builders risk insurance for the Project, insuring against the perils and including extended coverage and coverage for physical loss or damage. Contractor shall be responsible for **\$50,000** per claim deductible under the builders risk policy if the loss is caused by Contractor, its Subcontractor, Sub-subcontractor or other person or entity for whose acts Contractor may be liable. **[Owner shall be responsible for the remaining deductible.]** Owner and Contractor shall cooperate with each other and jointly adjust and settle any loss insured under the builders risk policy. Any loss shall be made payable to Contractor as fiduciary for the insureds, as their interests may appear, and Contractor shall pay to Owner its just share of insurance proceeds. Contractor shall pay its Subcontractors and sub-subcontractors their just share of insurance proceeds received, and by appropriate agreements shall require all Subcontractors and Sub-Subcontractors to make their respective obligated payments.
2. Owner and Contractor waive all rights against (a) each other and their respective contractors, subcontractors, sub-subcontractors, agents and employees, and (b) Design Professional and any of its respective consultants, contractors, agents and employees, for damages caused by perils to the extent covered by the builders risk policy, except such rights as any of them may have to the proceeds of such insurance. The builders risk policy shall expressly provide such waivers of subrogation which shall be effective against all parties whether they have a duty of indemnification, pay the insurance premium directly or indirectly, or have an insurable interest in the damaged property.
3. The builders risk insurance shall include Owner and Contractor as named insureds. Subcontractors and Sub-subcontractors shall be loss payees as their interests may appear.

D. SUBCONTRACTOR DEFAULT INSURANCE.

1. Subject to the terms of the Agreement, and if permitted by the Agreement, including but not limited to Section 8.3.2 of the General Conditions, Contractor may place and maintain subcontractor default insurance.
2. The premium cost of any subcontractor default insurance policy permitted and chargeable to Owner as Cost of the Work shall be limited in accordance with Section 7.5.14 of the Agreement.

Exhibit Q

Form of Bonds

See attached

[OREGON STATE UNIVERSITY]

**STANDARD FORM OF
PERFORMANCE BOND**

Bond No. _____
Contract _____
Contract Date _____
Project Name _____

_____ (Surety #1)	Bond Amount No. 1:	\$ _____
_____ (Surety #2)*	Bond Amount No. 2:*	\$ _____
<i>* If using multiple sureties</i>	Total Penal Sum of Bond:	\$ _____

We, _____, as Principal, and the above identified Surety or Sureties, collectively as Surety, authorized to transact surety business in Oregon, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents and will pay unto **[Oregon State University]**, as Obligee, the sum of (Total Penal Sum of Bond) _____, lawful money of the United States of America (provided, that we the Surety bind ourselves, and our heirs, executors, administrators, successors and assigns, in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety), and

WHEREAS, the Principal has entered into the above-referenced written Contract with the Obligee;

WHEREAS, the terms and conditions of the Contract are made a part of this Performance Bond by reference, whether or not attached to the Contract; and

WHEREAS, the Principal has agreed to perform the Contract in accordance with its terms, conditions, requirements, plans and specifications, and all authorized modifications of the Contract which change the amount of the work, the amount of the Contract, or constitute an authorized extension of the time for performance;

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal herein shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things undertaken by Contractor to be performed under the Contract, upon the terms set forth therein, and within the time prescribed therein, or as extended as provided in the Contract, with or without notice to the Surety, and shall indemnify and save harmless Obligee and the _____ (name of any other Owner agency), and members thereof, their respective officers, employees and agents, from and against any direct or indirect damages of every kind and description, and claims of every kind and description, that shall be suffered or claimed to be suffered in connection with or arising out of performance of the Contract by the Principal or its subcontractors, and shall in all respects perform said Contract according to law, then this obligation is to be void; otherwise, it shall remain in full force and effect.

Surety hereby waives notice of all modifications and amendments to the Contract and agrees that the obligations undertaken by this Performance Bond shall not be impaired in any manner by reason of the same.

Surety hereby agrees this Performance Bond shall be deemed amended automatically and immediately, without formal or separate amendments hereto or notice to the Surety thereof, upon any amendment to the Contract, so as to bind the Principal and Surety, jointly and severally, to the full and faithful performance of the Contract as so amended or modified, provided only that the Surety shall not be liable for more than the Total Penal Sum of Bond.

Nonpayment of the bond premium will not invalidate this bond nor shall Obligee, [or the above-referenced agency(ies)], be obligated for the payment of any premiums.

This bond is given and received under authority of ORS Chapter 279C, the provisions of which are incorporated into this bond and made a part hereof.

No right of action shall accrue on this Performance Bond to any person or entity other than Obligee and its executors, administrators, successors and assigns.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE SIGNED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES.

[Signature page follows]

Dated this _____ day of _____, 20__.

PRINCIPAL: _____

By _____
Signature

Official Capacity

Attest: _____
Corporation Secretary

SURETY: _____

[Add signatures for each surety if using multiple bonds]

BY ATTORNEY-IN-FACT:

[Power-of-Attorney must accompany each surety bond]

Name

Signature

Address

City State Zip

Phone Fax

[OREGON STATE UNIVERSITY]

STANDARD FORM OF
PAYMENT BOND

Bond No. _____
Contract _____
Contract Date _____
Project Name _____

_____ (Surety #1) Bond Amount No. 1: \$ _____
_____ (Surety #2)* Bond Amount No. 2:* \$ _____
* *If using multiple sureties* Total Penal Sum of Bond: \$ _____

We, _____, as Principal, and the above identified Surety or Sureties, collectively as Surety, authorized to transact surety business in Oregon, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents and will pay unto [Oregon State University], as Obligee, the sum of (Total Penal Sum of Bond) _____ lawful money of the United States of America (provided, that we the Surety bind ourselves, and our heirs, executors, administrators, successors and assigns, in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety), and

WHEREAS, Principal has entered into the above-referenced written Contract with the Obligee;

WHEREAS, the terms and conditions of the Contract are made a part of this Payment Bond by reference, whether or not attached to the Contract; and

WHEREAS, the Principal has agreed to perform the Contract in accordance with its terms, conditions, requirements, plans and specifications, and all authorized modifications of the Contract which change the amount of the work, the amount of the Contract, or constitute an authorized extension of the time for performance;

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things by it undertaken to be performed under said Contract and any duly authorized modifications that are made, upon the terms set forth therein, and within the time prescribed therein, or as extended therein as provided in the Contract, with or without notice to the Sureties, and shall indemnify and save harmless Obligee and the _____ (name of any other Owner agency), and members thereof, their respective officers, employees and agents, against any claim for direct or indirect damages of every kind and description that shall be suffered or claimed to be suffered in connection with or arising out of the performance of the Contract by the Principal or its subcontractors, and shall promptly pay all persons supplying labor, materials, or services to the Principal or its subcontractors for prosecution of the work provided in the Contract; and shall promptly pay all contributions due the State Industrial Accident Fund

and the State Unemployment Compensation Fund from the Principal or its subcontractors in connection with the performance of the Contract; and shall pay over to the Oregon Department of Revenue all sums required to be deducted and retained from the wages of employees of the Principal and its subcontractors pursuant to ORS 316.167, and shall permit no lien nor claim to be filed or prosecuted against the Obligee, the State, Project or the work of the Contract, on account of any labor, materials, or services; and shall do all things required of the Principal by the laws of this State, then this obligation shall be void; otherwise, it shall remain in full force and effect.

Surety hereby waives notice of all modifications and amendments to the Contract and agrees that the obligations undertaken by this Payment Bond shall not be impaired in any manner by reason of the same.

Surety hereby agrees this Payment Bond shall be deemed amended automatically and immediately, without formal or separate amendments hereto or notice to the Surety thereof, upon any amendment to the Contract, so as to bind the Principal and Surety, jointly and severally, to the full and faithful performance of the Contract as so amended or modified, provided only that the Surety shall not be liable for more than the Total Penal Sum of Bond.

Nonpayment of the bond premium will not invalidate this bond nor shall the Obligee, [or the above-referenced agency(ies)], be obligated for the payment of any premiums.

This bond is given and received under authority of ORS Chapter 279C, the provisions of which hereby are incorporated into this bond and made a part hereof.

This Payment Bond is made for the use and benefit of all persons and entities who may furnish materials or perform labor or services on account of the construction to be performed or supplied in accordance with the Contract, and each of them may sue hereon.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES:

[Signature page follows]

Dated this _____ day of _____, 20__.

PRINCIPAL: _____

By _____
Signature

Official Capacity

Attest: _____
Corporation Secretary

SURETY: _____

[Add signatures for each surety if using multiple bonds]

BY ATTORNEY-IN-FACT:

[Power-of-Attorney must accompany each surety bond]

Name

Signature

Address

City State Zip

Phone Fax

Exhibit R

Form of Change Order



CHANGE ORDER **ONE** TO OSU PUBLIC IMPROVEMENT AGREEMENT #**XXXX**
PROJECT NAME: **XXX**

This Change Order **One** (“CO”) to the above named Agreement entered into between **Oregon State University** (“Owner”), and **Contractor Name** (“Contractor”), individually the “Party” and collectively the “Parties”, shall become effective on the date this CO has been signed by all the Parties (the “CO Effective Date”).

1. SCOPE OF WORK AND COMPENSATION

The “Work” shall be modified to add, delete or change the following as more specifically set out in **Exhibit A, Scope of Work**, which is attached hereto and incorporated herein to this CO:

SCOPE OF WORK	COMPENSATION
	\$ 0.00 Fixed Fee
	\$ 0.00 Fixed Fee
	\$ 0.00 Time & Materials
Change Order total	\$ 0.00
Original Agreement Price	\$ 0.00
Previous executed Change Orders	\$ 0.00
New Agreement Price (maximum compensation amount)	\$ 0.00

Unless expressly modified in this CO or prior CO’s, all terms and conditions of the Agreement remain unchanged and in full force and effect.

In witness whereof, Oregon State University executes this CO and the Contractor does execute the same as of the Effective Date.

Contractor Name

Oregon State University

Signature Date

Bruce Daley Date

Printed Name

Associate Vice President
University Facilities, Infrastructure and
Operations

Title



**Oregon State
University**

**EXHIBIT A
SCOPE OF WORK**

Exhibit S

Change Pricing

Unless Owner otherwise previously approves in writing, an increase or decrease in the Contract Sum by Change Order shall be determined by the actual Cost of the Work of the change, plus allowances for overhead and profit, all as set forth below and not to exceed a pre-determined maximum amount. Contractor shall provide to Owner Parties supporting documentation of the actual Cost of the Work of the change sufficient, in Owner Parties reasonable opinion, to support Contractor's costs.

The allowable overhead and profit mark-up included in each Change Order shall be limited to the CMGC Fee percentage.