



QBS RFP SOLICITATION NUMBER BES128

PROFESSIONAL, TECHNICAL AND EXPERT SERVICES

City of Portland, Oregon
April 24, 2012

REQUEST FOR PROPOSALS
for a
QUALIFICATIONS BASED SELECTION
for

TRYON CREEK TRUNK SEWER UPGRADE

PROPOSALS DUE: May 21, 2012 by 4:00 p.m.

Envelope(s) shall be sealed and marked with QBS /RFP solicitation number and Project Title.

SUBMITTAL INFORMATION: Refer to PART II, SECTION B.3 (PROPOSAL SUBMISSION)

Submit the Proposal to:

City of Portland
Bureau of Environmental Services
Attn: Willette Rasmussen, Contracts Manager
1120 SW 5th Street, Room 1000
Portland, OR 97204

Refer questions to:

Kurt Robinson
Phone: 503-823-7133
Email: kurt.robinson@portlandoregon.gov

A NON-MANDATORY PRE-SUBMITTAL MEETING AND SITE VISIT has been scheduled on May 8, 2012, at 10:00 am, at the Tryon Creek Wastewater Treatment Plant, 200 Foothills Rd. Lake Oswego, OR 97034. Note: walking the site requires sturdy boots and appropriate clothing.

GENERAL INSTRUCTIONS AND CONDITIONS

DIVERSITY IN EMPLOYMENT AND CONTRACTING REQUIREMENTS – The City of Portland seeks to extend contracting opportunities to Minority Business Enterprises, Women Business Enterprises, and Emerging Small Businesses (M/W/ESBs) in order to promote their economic growth and to provide additional competition for City contracts. Therefore, the City has established an overall 20% utilization goal in awarding PTE contracts to ESBs. No goal is set for the use of M/WBE firms, but the City is committed to ensuring that such firms receive opportunities and equal consideration to be awarded City PTE contracts.

CITY SUSTAINABILITY OBJECTIVES – The City has a history of striving to be more sustainable in its operations and planning. Starting with the City's Sustainable City Principles (1994) the City has established a variety of policies to guide its work on sustainability, including: the Sustainable Procurement Policy, Green Building Policy, Climate Action Plan, and the Stormwater Management Manual (to view these and related City policies, go to the Portland Policy Documents Website: <http://www.portlandonline.com/auditor/index.cfm?c=26818>). As applicable to City procurement, these policies guide the City to buy products and services that reduce the City's negative environmental and social impacts, while maintaining fiscal health in the short and long term. As such, the City seeks to do business with firms that will actively contribute to the City's sustainability objectives.

ENVIRONMENTAL CLAIMS – Upon request, the vendor must provide and make publicly available verifiable evidence supporting every environmental claim made about the products or services provided to the City. Environmental claims for which verifiable evidence must be provided include any claim provided on products, product packaging, product or service sales literature and websites, and information provided to respond to this solicitation.

INVESTIGATION – The Proposer shall make all investigations necessary to be informed regarding the service(s) to be performed under the Qualification Based Selection.

SPECIAL CONDITIONS – Where special conditions are written in the Qualifications Based Selection, these special conditions shall take precedence over any conditions listed under the Professional, Technical and Expert Service "General Instructions and Conditions".

CLARIFICATION OF QUALIFICATIONS BASED SELECTION – Proposers who request a clarification of the QBS solicitation requirements must submit questions in writing to the person(s) shown in the REFER QUESTIONS TO section on the cover of this QBS solicitation, or present them verbally at a scheduled pre-submittal meeting, if one has been scheduled. The City must receive written questions no later than the date stated herein. The City will issue a response in the form of an addendum to the QBS solicitation if a substantive clarification is in order.

Oral instructions or information concerning this Qualifications Based Selection given out by City bureaus, employees, or agents to prospective Proposers shall not bind the City.

ADDENDUM – Any change to this QBS solicitation shall be made by written addendum issued no later than 72 hours prior to the Proposal due date. The City is not responsible for any explanation, clarification, or approval made or given in any manner except by addendum.

COST OF PROPOSAL – The Qualifications Based Selection does not commit the City to pay any costs incurred by any Proposer in the submission of a proposal or in making necessary studies or designs for the preparation thereof, or for procuring or contracting for the services to be furnished under the Qualifications Based Selection.

CANCELLATION – The City reserves the right to modify, revise, or cancel this QBS solicitation. Receipt and evaluation of proposals or the completion of interviews do not obligate the City to award a contract.

LATE PROPOSALS – Proposals received after the scheduled closing time for filing will be rejected as non-responsive and returned to the Proposer unopened.

REJECTION OF PROPOSALS – The City reserves the right to reject any or all proposals to the Qualifications Based Selection if found in the City's best interest to do so. In the City's discretion, litigation between the City and a Proposer may be cause for proposal rejection, regardless of when that litigation

comes to the City's attention and regardless how the Proposer's proposal may have been scored. Proposals may also be rejected if they use subcontractors or subconsultants who are involved in litigation with the City. Proposers who are concerned about possible rejection on this basis should contact the City before submission of a proposal for a preliminary determination of whether its proposal will be rejected.

CITY OF PORTLAND BUSINESS LICENSE – Successful Proposer shall obtain a current City of Portland Business License prior to initiation of contract and commencement of the work.

WORKERS' COMPENSATION INSURANCE – Successful Proposer shall be covered by Workers' Compensation Insurance or shall provide evidence that State law does not require such coverage.

CERTIFICATION AS AN EEO AFFIRMATIVE ACTION EMPLOYER – Successful Proposers must be certified as Equal Employment Opportunity Affirmative Action Employers as prescribed by Chapter 3.100 of the Code of the City of Portland. The required documentation must be filed with Procurement Services, City of Portland, prior to contract execution.

EQUAL BENEFITS PROGRAM – Successful Proposers must provide benefits to their employees with domestic partners equivalent to those provided to employees with spouses as prescribed by Chapter 3.100 of the Code of the City of Portland. The required documentation must be filed with Procurement Services, City of Portland, prior to contract execution.

LOCAL CONTRACTING – If the final evaluation scores are otherwise equal, the City prefers goods or services that have been manufactured or produced by a Local Business. The City desires to employ local businesses in the purchase, lease, or sale of any personal property, public improvements, or services. The City wants the residents of the State of Oregon and SW Washington to benefit from optimizing local commerce and services, and the local employment opportunities they generate. [City of Portland [Resolution #36260](#)]

CONFLICT OF INTEREST – A Proposer filing a proposal thereby certifies that no officer, agent or employee of the City who has a pecuniary interest in the Qualifications Based Selection has participated in the contract negotiations on the part of the City, that the proposal is made in good faith without fraud, collusion or connection of any kind with any other Proposer of the same Qualifications Based Selections, and that the Proposer is competing solely in its own behalf without connection with or obligation to, any undisclosed person or firm.

PUBLIC RECORDS – Any information provided to the City pursuant to this QBS solicitation shall be public record and subject to public disclosure pursuant to Oregon public records laws (ORS 192.410 to 192.505). Any portion of a proposal that the Proposer claims as exempt from disclosure must meet the requirements of ORS 192.501(2) and ORS 192.502(4) and/or ORS 646.461 et seq. The fact that a Proposer marks and segregates certain information as exempt from disclosure does not mean that the information is necessarily exempt. The City will make an independent determination regarding exemptions applicable to information that has been properly marked and redacted. Information that has not been properly marked and redacted may be disclosed in response to a public records request. When exempt information is mixed with nonexempt information, the nonexempt information must be disclosed.

If the City refuses to release the records, the Proposer agrees to provide information sufficient to sustain its position to the District Attorney of Multnomah County, who currently considers such appeals. If the District Attorney orders that the records be disclosed, the City will notify the Proposer in order for the Proposer to take all appropriate legal action. The Proposer further agrees to hold harmless, defend, and indemnify the City for all costs, expenses, and attorney fees that may be imposed on the City as a result of appealing any decision regarding the Proposer's records.

The Chief Procurement Officer has the authority to waive minor irregularities and discrepancies that will not affect the competitiveness or fairness of the solicitation and selection process.

These Professional, Technical and Expert Services Qualifications Based Selection "General Instructions and Conditions" are not to be construed as exclusive remedies or as a limitation upon rights or remedies that may be or may become available under ORS Chapter 279.

PART I

SOLICITATION REQUIREMENTS FOR QBS-RFP

SECTION A

GENERAL INFORMATION

1. INTRODUCTION

The Bureau of Environmental Services provides Portland residents with water quality protection, watershed planning, wastewater collection and treatment, sewer installation and stormwater management. Five work groups operate under the Office of the Director - Watershed Services, Pollution Prevention Services, Engineering Services, Wastewater, and Business Services.

The Watershed Services group develops watershed plans and works to improve water quality through stormwater management plans and activities. The group oversees restoration efforts in the Willamette River, Columbia Slough, Johnson, Fanno and Tryon creek watersheds. The group plans for future wastewater collection and treatment needs. This group has identified deficiencies in the sewer system and channel along Tryon Creek.

The Engineering Services group manages maintenance, repair and expansion of Portland's wastewater collection system. The group manages the combined sewer overflow (CSO) program. Engineering Services reviews development plans, issues permits for connections to the City sewer system and manages stormwater runoff from private property. Engineering Services manages the capital improvement plan and oversees design and construction of capital projects. The group has committed capital improvement resources to restoring the Tryon Creek trunk sewer and channel along Tryon Creek by providing engineering and construction management.

This project will be managed by the Engineering Services group's Design Services Division.

2. BACKGROUND

The project area is defined by a 2,500 feet long segment of 30-inch diameter steel-reinforced concrete sewer pipe located predominately along the lower segment of the Tryon Creek State Park Natural Area in southwest, Portland. Portions of the sewer pipeline are elevated above grade between the Tryon Creek Wastewater Treatment Plant and Highway 43 - where it then lies underground under State Highway 43 - then is elevated above grade again from Highway 43 along a riparian corridor parallel to the fall-line of the Tryon Creek stream channel. The elevated pipeline segments are supported by steel-reinforced concrete piers. Several piers are embedded into the hillside and upon the floor of the Tryon Creek stream channel.

The downstream end of Tryon Creek lies under a heavily forested canopy, while the upper reach is developed with residential housing. Low and peak stream flows are estimated to range from between 1-30 cfs (summer) to 30-100 cfs (winter). The sewer pipeline and piers are approximately 50 years old.

Recent field inspections of the sewer and stream channel identified sewer infrastructure issues along several pipeline segments. These issues included seeping sewer pipe joints and manholes, and channel scour near pier footings - those located within the stream channel.

3. SCOPE OF WORK

The City of Portland, Bureau of Environmental Services is seeking proposals from individuals, firms, teams or consultants, hereafter called "Proposer(s)," with demonstrated experience in combined sewer system design, structural upgrades and reinforcement of elevated pipeline structures, permitting of public works projects in environmentally sensitive areas and ESA (fish) listed waters, and public outreach (public involvement), for structural upgrades and stream channel/habitat restoration, and proposes to engage the successful Proposer for the following services:

PART 1: Risk Assessment

- Analyze existing structures and geotechnical setting.
- Report existing conditions and risk assessment.

PART 2: Structural Upgrade Design

- Design preliminary structural upgrades to sewer system that also protect Tryon Creek and restore the stream channel.
- Compute preliminary engineers estimate of construction cost.

PART 3: Permitting and Public Outreach

- Identify all permit requirements based upon preliminary engineering design.
- Update project schedule and budget.
- Facilitate public meetings and provide newsletter updates.
- Write resource agency permit applications.
- Write permit application(s).
 - Facilitate acquisition of all reviews and permits from local, state and federal jurisdictional agencies.

PART 4: Construction Documents

- Create final construction documents; plans, specifications, bid item quantities, and engineers estimate.
- Assist Owner during the advertising period through to construction Notice to Proceed, in responding to Requests for Information, and issuing Addendums (if needed).

4. PROJECT FUNDING

The City anticipates a total project cost of \$375,000. The project is funded via the City of Portland.

SECTION B

WORK REQUIREMENTS

1. TECHNICAL OR REQUIRED SERVICES

The successful Proposer shall perform the tasks listed below for this project, and shall be expected to work closely with designated City personnel to accomplish these goals:

PART 1: RISK ASSESSMENT

GOAL: Understand existing risk of failure; likely modes of failure; cost of restoration in the event of failure.

- a. Analyze Existing Structures and Geotechnical Setting.
 - o Coordinate access onto City and State (Tryon Creek State Park) property. Investigate geotechnical setting and condition of the existing sewer and support piers; review sewer as-built drawings; compute the capacity of the sewer system (foundation, piers, and pipeline) to resist ground acceleration and stream flows. Work includes, but is not limited to, field investigations, survey, drilling, boring, test pits, sampling and material testing (laboratory analysis), and scour analysis (owner will provide hydraulic model of Tryon Creek).
- b. Report Existing Conditions Risk Assessment
 - o Write Technical Memorandum: Tryon Creek Sewer Risk Assessment. Describe overall physical condition of the existing sewer system at each pipeline pier and pipeline segment. Report the capacity of the sewer system to resist ground acceleration and Tryon Creek flows; e.g., pier scour. Discuss major weaknesses and provide outline of key aspects of conceptual upgrades that mitigate risk.
 - o Present findings of the Risk Assessment to Owners' project Team.

PART 2: Structural Upgrade Design

GOAL: Understand requirements for upgrading the sewer system to mitigate risk and corresponding project cost and schedule.

- Develop up to three (3) sewer upgrade alternatives that reduce risk of sewer failure. Apply statistical risk criteria, i.e., seismic event type, magnitude and return interval, adopted by City of Lake Oswego for their recent Lake Oswego Interceptor sewer upgrade project.
- Write Technical Memorandum: Tryon Creek Sewer Upgrade Pre-design Report. Describe:
 - Upgrades to mitigate risk;
 - Access requirements for construction work, e.g., access roads, work platforms, etc., and likely environmental impacts e.g., erosion, and mitigation requirements;
 - Estimated cost to: upgrade, mitigate impacts during construction, and restore surface and stream channel;
 - Approximate design, permitting, construction schedule.
- Present the Pre-design results to Owner and facilitate selection of best alternative.

PART 3: Permitting and Public Outreach

GOAL: Obtain Construction Federal, State and Local Permits; Inform Public about project goals and impacts during construction.

- Identify all required local, state and federal reviews and permits and prepare timeline for application of each.
- Prepare all documentation including discussions, exhibits and figures for all reviews and permits.
- Update, revise and resubmit final permit applications and lead Owner through the review comment process, responses, and (Land Use Review) hearings, as necessary.
- Prepare and submit final permit application (Owner will sign final permit application).
- Create an Owner-approved Public Involvement mailing list and newsletter (template) and issue quarterly “news letter” style updates to affected community members and stakeholders.
- Facilitate Public Involvement Meeting(s); present upgrade alternatives and Final Design. Assist owner in responding to public comments and resolving concerns.

PART 4: Construction Documents

GOAL: Construction documents suitable for bidding. Assistance to Owner to advertise project.

- a. Construction Documents. Provide the following:
 - Construction drawings at 30%, 60%, and 90% milestones. Base drawing style on the Owners CAD Standards template. Edit drawings per Owners comments.
 - Construction technical special provisions and construction costs estimates at 60% and 90% complete milestones. Base special provisions on the 2010 City of Portland Standard Construction Specifications. Edit Special Provisions per Owners comments.
 - Draft Final Design Report according to the Owners CIP implementation Procedures Manual. Edit Report per Owners comments.

- b. Final documents. Provide the following:
 - o Final Construction Drawings, Special Provisions, Bid, and Engineers Estimate.
 - o Assist City of Portland Procurement Services with Bid Book collation.
 - o Final Design Report.
- c. Construction Project Advertising. Provide the following:
 - o Bid documents for advertising. Deliver "camera ready" Construction documents to Owner for printing and advertising.
 - o Assistance in preparing addendums during advertising through to Notice to Proceed.

2. WORK PERFORMED BY CITY

The City has assigned a project manager to oversee the successful Proposer's work and provide support as needed. Specific duties the City will perform include:

- a. Manage Consultants' scope of work, schedule and budget:
 - o Clarify technical requirements for deliverables.
 - o Approve changes to scope, schedule and budget.
 - o Review and approve all deliverables.
 - o Approve invoices for payment.
- b. Coordinate Owner-Consultant team
 - o Identify initial stakeholders and project team members.
 - o Facilitate communication between Owner, Stakeholders, and Consultants.
- c. Work Participation
 - o Participate in the design, alternatives analysis, and final design(s) and provide comments on all draft deliverables.
- d. Resource Support
 - o Provide conference rooms with audio visual equipment for meetings and presentations which are conducted at the City of Portland Building, 1120 SW 5th Avenue.
 - o Provide as-built documents from City of Portland archives.
 - o Provide site access to City of Portland property and easements over the Tryon Creek Trunk Sewer site.
 - o Provide source data for mapping and GIS analysis.
 - o Provide Tryon Creek Hydrologic and Hydraulic Model.
 - o Review and sign permit applications.
 - o Procurement Services Assistance; contract documents (administrative inserts).
- e. Advertise Project
 - o Submit Ordinance authorizing award of construction contract.
 - o Print Final Bid Book (City of Portland Printing and Distribution).
 - o Advertise Project in the Daily Journal of Commerce and the City Procurement Services Web Site.
 - o Issue Addenda to Bidders and publish Addenda on the City Procurement Services Web Site.

3. PROJECT REVIEWS

On a day-to-day basis, the progress of the work will be managed by the City's Project Manager. In order to provide timely resolution of conflicts, the project also has an Executive Oversight Committee made up of Design Division Manager and Bureau Chief Engineer.

As the project proceeds through design, the Owner and jurisdictional agencies will review project documents, specifically those required for issuance of permits. The following is a list of those agencies which are anticipated to perform project (design and construction document) reviews:

- *City of Portland, Bureau of Development Services*
- *State of Oregon, Division of State Lands*
- *State of Oregon, Department of Environmental Quality*
- *State of Oregon, Department of Parks and Recreation*
- *United States, DOI, Fish and Wildlife Service*
- *United States, DOC, Fisheries Service*
- *United States, US ARMY, Corps of Engineers*

4. DELIVERABLES AND SCHEDULE

Deliverables shall be considered those tangible resulting work products that are to be delivered to the City such as reports, draft documents, data, interim findings, drawings, schematics, training, meeting presentations, final drawings, and reports. The successful Proposer is encouraged to provide any deliverables in accordance with the City's Sustainable Paper Use Policy. The policy can be viewed at: <http://www.portlandonline.com/omf/index.cfm?c=37732>.

Deliverables and schedule for this project shall include:

- a. Initial Work Plan, Schedule and Baseline Budget: Organize Plan by Phase, Task and Deliverable.
- b. Monthly Progress Meeting and Status Report: Describe work completed since previous reporting period, updated project schedule and budget (used and remaining) by task and deliverable.
- c. Submit a Monthly Subconsultant Payment and Utilization Report by the 15th of each month with invoice (reference Part II, Section C.5 of the RFP).
- d. Technical Memorandums, Plans, and work listed in Section B.1 of the RFP, including:
 - TM: *Tryon Creek Trunk Sewer Upgrade Predesign*
 - Construction Drawings
 - Special Technical Provisions
 - Construction Cost Estimates, Quantities, and Bid Item List
 - Public Outreach Plan
 - Permit Applications and Land Use Review, and Final Permit Submittals (MS WORD, PDF)
 - Final Construction Drawings (AutoCad), Technical Provisions (MS WORD), Engineers Construction Cost Estimate (MS EXCEL), and Bid Item Quantities (MS EXCEL)
 - Final Design Report (MS WORD)
 - Collated Construction documents.
 - Assistance to Owner in preparing Addendums and responding to Requests for Information during construction advertising through to Notice to Proceed for Construction.
- e. Submit a Monthly Subconsultant Payment and Utilization Report by the 15th of each month with invoice (reference Part II, Section C.6 of the QBS/RFP solicitation).

All Technical Memorandums, Reports and Plans shall be provided in hard copy and electronic format as noted above. Final Versions of all Reports shall be also be provided in Adobe PDF format.

All deliverables resulting from this contract will become the property of the City of Portland. As such, the Contractor and any Subcontractors grant the City the right to copy and distribute (in any and all media and formats) project deliverables for regulatory, project certification/recognition, program development, public education, and/or for any purposes at the sole discretion of the City of Portland.

5. **PERIOD OF PERFORMANCE** The City anticipates having the successful Proposer begin work immediately upon contract execution with submittal of final deliverables to the City occurring by April 1, 2014.
6. **PLACE OF PERFORMANCE** Contract performance will take place primarily at the successful Proposer's facility. On occasion and as appropriate, work will be performed at City facilities, a third-party location, or any combination thereof.
7. **PUBLIC SAFETY** Public safety may require limiting access to public work sites, public facilities, and public offices, sometimes without advance notice. The Proposer shall anticipate delays in such places and include the cost of delay in its costs. The successful Proposer's employees and agents shall carry sufficient identification to show by whom they are employed and display it upon request to security personnel. City project managers have discretion to require the successful Proposer's employees and agents to be escorted to and from any public office, facility, or work site if national or local security appears to require it.
8. **INSURANCE** The successful Proposer(s) shall obtain and maintain in full force, and at its own expense, throughout the duration of the contract and any warranty or extension periods, the required insurances identified below. The City reserves the right to require additional insurance coverage as required by statutory or legal changes to the maximum liability that may be imposed on Oregon cities during the term of the contract. Successful Proposer shall provide evidence that any or all subcontractors performing work or providing goods or services under the contract have the same types and amounts of insurance coverage as required herein or that the subcontractor is included under the Successful Proposers policy

Workers' Compensation Insurance: Successful Proposer shall comply with the workers' compensation law, ORS Chapter 656 and as it may be amended. Unless exempt under ORS Chapter 656, The Successful Proposer and any/all subcontractors shall maintain coverage for all subject workers for the entire term of the contract including any contract extensions.

Commercial General Liability Insurance: Successful Proposer shall have Commercial General Liability (CGL) insurance covering bodily injury, personal injury, property damage, including coverage for independent successful Proposer's protection (required if any work will be subcontracted), premises/operations, contractual liability, products and completed operations, in per occurrence limit of not less than \$1,000,000, and aggregate limit of not less than \$2,000,000.

Automobile Liability Insurance: Successful Proposer shall have automobile liability insurance with coverage of not less than \$1,000,000 each accident. The insurance shall include coverage for any auto or all owned, scheduled, hired and non-owned auto. This coverage may be combined with the commercial general liability insurance policy.

Professional Liability & Errors & Omissions Insurance: Successful Proposer shall have Professional Liability and/or Errors & Omissions insurance to cover damages caused by negligent acts, errors or omissions related to the professional services, and performance of duties and responsibilities of the Successful Proposer under this contract in an amount with a combined single limit of not less than \$1,000,000 per occurrence and aggregate of \$3,000,000 for all claims per occurrence. In lieu of an occurrence based policy, Successful Proposer may have claims-made policy in an amount not less than \$1,000,000 per claim and \$3,000,000 annual aggregate, if the Successful Proposer obtains *an unlimited* extended reporting period or tail coverage. Successful Proposer shall provide proof of insurance through satisfactory certificate(s) of insurance to the City.

Additional Insurance: As required by Federal Law, State Statute, or City Code, such as Bailees Insurance, Maritime Coverage, or other coverage as required.

Additional Insured: The liability insurance coverage, except Professional Liability, Errors and Omissions, or Workers' Compensation, shall be without prejudice to coverage otherwise existing, and shall name the City of Portland and its bureaus/divisions, officers, agents and employees as Additional Insureds, with respect to the Successful Proposer's activities to be performed, or products or services to be provided. Coverage shall be primary and non-contributory with any other insurance and self-insurance. Notwithstanding the naming of additional insureds, the insurance shall protect each additional insured in the same manner as

though a separate policy had been issued to each, but nothing herein shall operate to increase the insurer's liability as set forth elsewhere in the policy beyond the amount or amounts for which the insurer would have been liable if only one person or interest had been named as insured.

Continuous Coverage; Notice of Cancellation: The Successful Proposer agrees to maintain continuous, uninterrupted coverage for the duration of the Contract. There shall be no termination, cancellation, material change, potential exhaustion of aggregate limits or non renewal of coverage without thirty (30) days written notice from Successful Proposer to the City. If the insurance is canceled or terminated prior to completion of the Contract, Successful Proposer shall immediately notify the City and provide a new policy with the same terms. Any failure to comply with this clause shall constitute a material breach of Contract and shall be grounds for immediate termination of this Contract.

Certificate(s) of Insurance: Successful Proposer shall provide proof of insurance through acceptable certificate(s) of insurance to the City prior to the award of the Contract if required by the procurement documents (e.g., request for proposal), or at execution of Contract and prior to any commencement of work or delivery of goods or services under the Contract. The Certificate(s) will specify all of the parties who are endorsed on the policy as Additional Insureds (or Loss Payees). The insurance coverage required under this Contract shall be obtained from insurance companies acceptable to the City of Portland. The Successful Proposer shall pay for all deductibles and premium. The City reserves the right to require, at any time, complete, certified copies of required insurance policies, including endorsements evidencing the coverage the required.

SECTION C

ATTACHMENTS

1. INDEX

Exhibit A First Tier Sub-consultant Disclosure Form (submit with proposal)
Exhibit B Vicinity Map
Exhibit C Construction Details
Exhibit D Photographs

2. SAMPLE CONTRACT

The Professional, Technical, and Expert Services Contract is the City's standard contract and will be used as a result of this selection process. A sample contract can be viewed at:
<http://www.portlandonline.com/shared/cfm/image.cfm?id=27067> .

PART II

QBS/RFP PREPARATION AND SUBMITTAL

SECTION A

PRE-SUBMITTAL MEETING/ CLARIFICATION

1. PRE-SUBMITTAL MEETING

A pre-submittal meeting and site visit is scheduled for this project on May 8, 2012 at 10:00 a.m. at the **Tryon Creek Wastewater Treatment Plant, 200 Foothills Rd. Lake Oswego, OR 97034**. A brief overview of the project will be presented followed by a question answer period. Then, Proposers will be offered an opportunity to walk portions of the site. Note: walking the site requires sturdy boots and appropriate clothing.

This is a **non-mandatory** meeting; therefore proposal submission will not be contingent upon attendance at this meeting.

2. QUESTIONS AND CLARIFICATION

Questions and requests for clarification regarding this QBS/RFP solicitation must be directed in writing, via email or fax, to the person listed below. **The deadline for submitting such questions/clarifications is 7 days prior to the proposal due date.** An addendum will be issued no later than 72 hours prior to the due date to all recorded holders of the QBS/RFP solicitation if a substantive clarification is in order.

Kurt Robinson
Bureau of Environmental Services
1120 SW 5th Street, Room 1000
Portland, Oregon 97204

E-mail: kurt.robinson@portlandoregon.gov
Phone: (503) 823-7133

SECTION B

PROPOSAL SUBMISSION

1. PROPOSALS DUE

Sealed proposals must be received no later than the date and time, and at the location, specified on the cover of this solicitation. The outside of the envelope shall plainly identify the QBS/RFP solicitation number, the project title and the name and address of the Proposer. It is the Proposer's responsibility to ensure that proposals are received prior to the specified closing date and time, and at the location specified. Proposals received after the specified closing date and/or time shall not be considered and will be returned to the Proposer unopened. The City shall not be responsible for the proper identification and handling of any proposals submitted to an incorrect location.

2. PROPOSAL SUBMITTALS

Proposals must be clear, succinct and **not exceed 12 pages**, excluding the *Cover Letter*, *Appendix – Resumes* and the *First Tier Sub-consultant Disclosure Form*. Additionally, section dividers, title page, and table of contents do not count in the overall page count of the proposal. Proposers who submit more than the pages indicated may not have the additional pages of the proposal read or considered.

For purposes of review and in the interest of the City's Sustainable Paper Use Policy and sustainable business practices in general, the City requests the use of submittal materials (i.e. paper, envelopes, etc.) that contain post-consumer recycled content and are readily recyclable. Submittals shall NOT include 3-ring binders or any plastic binding, folders, or indexing materials. Reusable binding posts, clips or rings and recycled content paper envelopes or folders are examples of acceptable bindings. Submittals shall be printed on both sides of a single sheet of paper wherever applicable; if sheets are printed on both sides, it is considered to be two pages. Color is acceptable, but content should not be lost by black-and-white printing or copying.

All submittals will be evaluated on the completeness and quality of the content. Only those Proposers providing complete information as required will be considered for evaluation. The ability to follow these instructions demonstrates attention to detail.

All submittals, qualification materials and addendum attachments will become part of the public file on this matter, without obligation to the City

3. PROPOSAL SUBMISSION

For purposes of this proposal submission, the proposer shall submit: **one original printed copy and five additional printed copies**. If the proposer requests redactions, also submit **one unbound Redacted Copy**. If no redactions are requested, state that in the Cover Letter portion of your submittal. The entire proposal submittal must be received at the place and on or before the time and date specified on the cover page of this QBS/RFP document.

REDACTION FOR PUBLIC RECORDS: Any portion of a proposal that the proposer claims as exempt from disclosure must meet the requirements of ORS 192.501(2), ORS 192.502(4) and/or ORS 646.461 et seq. Proposers are required to submit a redacted copy of their proposal and all attachments. "Redaction" means the careful editing of a document to obscure confidential references; a revised or edited document thereby obscuring the exempt information but otherwise leaving the formatted document fully intact. However, for purposes of this solicitation the redacted copy must only highlight the specific areas deemed to be exempt from public disclosure, leaving the text readable. **The redacted copy must be a complete copy of the submitted proposal, in which all information the Proposer deems to be exempt from public disclosure has been identified.**

When preparing a redaction of the proposal submission, the Proposer must plainly mark the redactions, but leave readable, by highlighting the specific areas your firm asserts are exempt from public disclosure. In addition, a summary page identifying the pages where redactions occur shall be included with the proposal submission (this summary is not included in page limits). **If a proposer fails to submit a redacted copy of their proposal as required, the City may release the proposer's original proposal without redaction.** If the entire proposal is marked as constituting a "trade secret" or being "confidential", such a proposal may be rejected as non-responsive at the City's sole discretion.

Unless expressly provided otherwise in this QBS/RFP solicitation or in a separate written communication, the City does not agree to withhold from public disclosure any information submitted in confidence by a Proposer unless the information is otherwise exempt under Oregon law. The City agrees not to disclose proposals until the City has completed its evaluation of all proposals and publicly announces the results.

Please refer to the GENERAL INSTRUCTIONS AND CONDITIONS for more information about confidential information within public records.

4. COST OF RESPONDING

All costs incurred by the Proposer in preparation of proposals to this solicitation, including presentations to the City and/or for participation in an interview shall be borne solely by the Proposer; the City shall not be liable for any of these costs. At no time will the City provide reimbursement for submission of a proposal unless so stated herein.

5. ORGANIZATION OF PROPOSAL

The Proposers must provide all information as requested in this QBS/RFP solicitation. Proposals must follow the format outlined in this QBS/RFP solicitation. Additional materials in other formats or pages beyond the stated page limit(s) may not be considered. The City may reject as non-responsive, at its sole discretion, any proposal or any part thereof, which is incomplete, inadequate in its response, or departs in any substantive way from the required format. Proposals shall be organized in the following manner:

1. Cover Letter
2. Description of Firm
3. Experience
4. Project Team
5. Project Approach and Understanding
6. Diversity in Employment and Contracting Requirements
7. Appendix - Resumes
8. A completed Form 1 –Subconsultant Disclosure Form (refer to Part II.C.6)

SECTION C

PROPOSAL CONTENT/EVALUATION CRITERIA

1. COVER LETTER

By submitting a proposal, the Proposer is accepting the General Instructions and Conditions of this QBS RFP solicitation (reference second page of the solicitation) and the Standard Contract Provisions of the Professional, Technical, and Expert Services contract.

The Cover Letter must include the following:

- QBS/RFP solicitation number and project title
- full legal name of proposing business entity
- structure or type of business entity
- name(s) of the person(s) authorized to represent the Proposer in any negotiations
- name(s) of the person(s) authorized to sign any contract that may result
- contact person's name, mailing or street addresses, phone and fax numbers, and email address
- statement that no redactions are requested, if applicable

A legal representative of the Proposer, authorized to bind the firm in contractual matters must sign the Cover Letter.

BUSINESS COMPLIANCE

The successful Proposer(s) must be in compliance with the laws regarding conducting business in the City of Portland before an award may be made. The Proposer shall be responsible for the following:

Certification as an EEO Affirmative Action Employer

The successful Proposer(s) must be certified as Equal Employment Opportunity Employers as prescribed by Chapter 3.100 of the Code of the City of Portland prior to contract award. Details of certification requirements are available from Procurement Services, 1120 SW Fifth Avenue, Room 750, Portland, Oregon 97204, (503) 823-6855, website: <http://www.portlandonline.com>. To apply for certification go to our website at: www.ebidexchange.com/cityofportland.

Non-Discrimination in Employee Benefits (Equal Benefits)

The successful Proposer(s) must be in compliance with the City's Equal Benefits Program as prescribed by Chapter 3.100 of the Code of the City of Portland prior to contract award. Details of compliance requirements are available from Procurement Services, 1120 SW Fifth Avenue, Room 750, Portland, Oregon 97204, (503) 823-6855, website: www.portlandonline.com. To apply for certification go to our website at: www.ebidexchange.com/cityofportland.

Business License

The successful Proposer(s) must be in compliance with the City of Portland Business License requirements as prescribed by Chapter 7.02 of the Code of the City of Portland prior to contract award. Details of compliance requirements are available from the Revenue Bureau License and Tax Division, 111 SW Columbia Street, Suite 600, Portland, Oregon 97201, (503) 823-5157, website: <http://www.portlandonline.com/omf/index.cfm?c=29320>

If your firm currently has a business license, is in compliance with the Equal Benefits Program, and is EEO certified, include in the Cover Letter your firm's City of Portland Business License number, a statement that your firm's Equal Benefits Application has been approved as well as your Equal Employment Opportunity (EEO) expiration date.

2. DESCRIPTION OF FIRM

Describe your firm's legal structure, areas of expertise, length of time in business, number of employees, and other information that would be helpful in characterizing the firm. Describe the firm's internal procedures and/or policies associated or related to work quality and cost control. Describe the resource availability to perform the work for the duration of the project. Provide the address of the firm's home office and the address of the office that will manage the project, if applicable.

Provide the same information for any subconsultants to be utilized on the project.

3. EXPERIENCE

Briefly describe other projects executed by your firm that demonstrate relevant experience, and that best characterize the firm's capabilities, work quality and cost control. Also, list all public sector clients for whom you have performed similar work in the past five (5) years. For each project mentioned, include the name, address and phone number of a person who can be contacted regarding your performance on the project.

When submitting projects for which your firm worked in an auxiliary capacity or in a joint venture or partnership, include the name of the lead firm.

Please remember that any extensive descriptions of vaguely related projects are discouraged and could negatively impact the overall outcome of the evaluation.

4. PROJECT TEAM

Provide a professional resume for the key personnel, including key personnel of any major subconsultants, proposed to be assigned to the project. Describe their unique qualifications and relevant experience on similar or related projects. Describe key personnel's proposed roles and responsibilities on this project.

Proposals must identify a proposed project manager who would be responsible for the day-to-day management of project tasks and would be the primary point of contact with your firm. Describe the project manager's experience with similar projects and with managing and leading interdisciplinary teams. List other projects to which the proposed project manager is currently assigned.

Identify who the second level production person will be and provide a description of their unique qualifications and experience as it relates to the project at hand.

Provide resumes for designated key personnel in the **Appendix** section of the proposal. The Appendix shall include resumes only; any additional materials included in the Appendix section will not be read or considered. Individual resumes should not exceed two pages. Resumes will not be counted toward the overall proposal page limit set for this RFP.

5. PROJECT APPROACH AND UNDERSTANDING

Describe the tasks that must be accomplished in order to complete the project. Provide a narrative description of how the firm proposes to execute the tasks during each phase of the project. Identify the products that would result from each task. Your firm should rely on its expertise and experience with similar projects to demonstrate how it will effectively complete the proposed project.

If applicable, discuss any unique aspects of the project and/or alternative approaches the City might wish to consider.

Environmental Impact

- List up to five (5) specific actions your firm will take to reduce the environmental impact associated with completing work under the resulting contract. Consider emissions reduction/alternative transportation, use of environmentally preferable materials (recycled content, low-VOC, recyclable, etc.), and waste reduction.
- Describe how your firm's sewer system design experience can aid the City in reducing the greenhouse gas emissions, natural resource use, and waste generation associated with the construction phase of this project.

6. DIVERSITY IN EMPLOYMENT AND CONTRACTING REQUIREMENTS

The City is committed to increasing contracting opportunities for State of Oregon certified minority, women and emerging small business (M/W/ESB) enterprises. The City values, supports and nurtures diversity, and encourages any firm contracting with the City to do the same, maximizing M/W/ESB business participation with regard to all City contracts. As such, the City has established an overall 20% utilization goal in awarding PTE contracts to State of Oregon certified emerging small business (ESB) enterprises. No goal is set for the use of minority (MBE) and women business (WBE) enterprises, but the City is committed to ensuring that such firms receive opportunities and equal consideration to be awarded City PTE contracts. The City has assigned at least 15% of the total points available on this solicitation to this criterion to determine the award of this contract (Review Part III, Section A, 1. f. for maximum score for this particular solicitation.).

All Proposers shall address the following in their proposals:

- a. Indicate if your firm is currently certified in the State of Oregon as an MBE, WBE, and/or ESB, or if your firm has applied for certification with the State of Oregon's Office of Minority, Women, and Emerging Small Business (OMWESB). Provide a copy of the State of Oregon certification letter confirming receipt of application, or a copy of the approval letter certifying your firm as a State of Oregon M/W/ESB (a copy of this letter does not affect the page-limit identified under Part II, Section B.2 of this document).
- b. Identify your current diversity of workforce and describe your firm's commitments to providing equal employment opportunities. Include in your proposal:
 - Number of total employees and description of type of work performed.
 - Number of minorities and women within your current workforce, broken out by ethnicity and positions held.
 - Any underutilization of minorities or women within your workforce and your firm's efforts to remedy such underutilization.
 - Any plans to provide innovative mentoring, technical training, or professional development opportunities to minorities and women in your workforce in relation to this project, or plans to employ minorities and women to work on this project.
 - Description of the process your firm uses to recruit minorities and women.
- c. Have you subcontracted or partnered with State of Oregon certified M/W/ESB firms on any project within the last 12 months? If so, please describe the history of the firm's subcontracting and partnering with certified M/W/ESB firms. Include in your proposal:
 - List of State of Oregon certified M/W/ESB firms with which your firm has had a contractual relationship during the last 12 months.
 - Any innovative or successful measures that your firm has undertaken to work with M/W/ESB firms on previous projects.
 - Any mentoring, technical, or other business development services your firm has provided to previous or current M/W/ESB subconsultants or partners, or will provide in relation to this project.
- d. Are you subcontracting any element of your proposal? Describe your firm's plan for obtaining maximum utilization of State of Oregon certified M/W/ESB firms on this project. Include in your proposal:
 - Subcontracting opportunities your firm has identified in the scope of this project.
 - Efforts made relating to outreach and recruitment of certified M/W/ESB firms. Did your firm advertise contracting opportunities in the *Daily Journal of Commerce*, *Skanner*, *Oregonian*, *Observer*, *El Hispanic News*, *Asian Reporter*, and/or other trade publications? Did your firm conduct any outreach meetings? Did your firm use the State's OMWESB certification list, or other source, as a basis for direct outreach? What were the actual results of any of the above efforts?
 - Any responses received from certified M/W/ESB firms. If any such responses were rejected, provide reasons for rejection.
 - Other efforts your firm used or proposes to use in relation to this project.

- e. If your firm will be utilizing State of Oregon M/W/ESB firms on this project, please list those firms and detail their role within your proposal. In addition, **all Proposers must submit Exhibit A - Subconsultant Disclosure Form 1** with their proposal, which requires Proposers to identify the following:
- The names of **all** subconsultants to be used on this project.
 - The names of **all** State of Oregon certified MBE, WBE, and ESB firms to be utilized on this project. If firms have more than one certification (i.e., ESB and MBE, and/or ESB and WBE) note that on the form so that proper credit can be given for the ESB goal and for tracking MBE and WBE utilization.
 - The proposed scope or category of work for each subconsultant.
- If Proposers will not be using any subconsultants Proposers are required to indicate “**NONE**” on the Subconsultant Disclosure Form 1.

The City expects thoughtful consideration of all of the above Diversity in Employment and Contracting criteria in the preparation of proposals. The City will enforce all diversity in workforce and M/W/ESB commitments submitted by the successful Proposer, and the successful Proposer will be required to submit a completed Monthly Subconsultant Payment and Utilization Report to ensure that subconsultants are utilized to the extent originally proposed and contracted.. The successful Proposer will not be permitted at any time to substitute or add a subconsultant without the written approval of the Chief Procurement Officer. **All** subconsultants, including M/W/ESB firms shall be reported on the Monthly Subconsultant Payment and Utilization Report as well as contract amounts and payments. For reference, a copy of this form may be obtained at: <http://www.portlandonline.com/shared/cfm/image.cfm?id=119851> .

PART III

QBS RFP PROPOSAL EVALUATION

SECTION A

REVIEW AND EVALUATION

1. EVALUATION CRITERIA SCORING

Each proposal shall be evaluated on the following evaluation criteria, weighting and maximum points, as follows:

Criteria		Maximum Score
a.	Cover Letter	0
b.	Description of Firm	10
c.	Experience	20
d.	Project Team	20
e.	Project Approach and Understanding	35
f.	Diversity in Employment and Contracting	15
Total Points Available		100

2 EVALUATION PROCESS

An evaluation review committee will be appointed to evaluate the proposals received. For the purpose of scoring proposals, each committee member will evaluate each proposal in accordance with the criteria and point factors listed above. The evaluation committee may seek outside expertise, including but not limited to input from technical advisors, to assist in the evaluation process.

The successful Proposer shall be selected by the following process:

- An evaluation committee will be appointed to evaluate submitted written proposals.
- The committee will score the written proposals based on the information submitted according to the evaluation criteria and point factors.
- The committee will require a minimum of 10 working days to evaluate and score the written proposals.
- A short list of Proposers, based on the highest scores, may be selected for oral interviews if deemed necessary. The City reserves the right to increase or decrease the number of Proposers on the short list depending on the scoring and whether the Proposers have a reasonable chance of being awarded a contract.
- If oral interviews are determined to be necessary, the scores from the written proposals will be considered preliminary. Final scores, based on the same evaluation criteria, will be determined following the oral interviews.

All communications shall be through the contact(s) referenced in Part II, Section A.2 of the QBS solicitation. At the City's sole discretion, communications with members of the evaluation committee, other City staff, or elected City officials for the purpose of unfairly influencing the outcome of this QBS solicitation may be cause for the Proposer's proposal to be rejected and disqualified from further consideration.

For contracts over \$100,000, the Committee's recommendation will be submitted to the Portland City Council for approval. The City has the right to reject any or all proposals for good cause, in the public interest.

NOTE: In the City's discretion, litigation between the City and a Proposer may be cause for proposal rejection, regardless of when that litigation comes to the City's attention and regardless how the Proposer's proposal may have been scored. Proposals may also be rejected if they use subcontractors or subconsultants who are involved in litigation with the City. Proposers who are concerned about possible rejection on this basis should contact the City before submission of a proposal for a preliminary determination of whether its proposal will be rejected.

3. INTERVIEW PROCESS

The City reserves the right to conduct interviews with any or all Proposers. The purpose of the interview will be to clarify any questions that the City may have regarding the Proposer's qualifications. No additions, deletions, or substitutions to the Proposer's submittal of qualifications will be permitted.

If interviews are held, Proposers will be asked to demonstrate their qualifications to the evaluation panel based on the same evaluation criteria stated above. After the interview, the City may decide that the initial score for each evaluation criterion received by a Proposer should be increased or decreased. If so, the initial score, based solely on the written material submitted by a Proposer, will be considered preliminary and not final. Instead, the score received after the interview will be the final score.

4. CLARIFYING PROPOSAL DURING EVALUATION

At any point during the evaluation process, the City is permitted, but is not required, to seek clarification of the proposal. However, a request for clarification does not permit changes to a proposal.

SECTION B

FINAL SELECTION

1. CONTRACT NEGOTIATION

The City will attempt to reach a final agreement, including a detailed scope of work, project schedule, and fee schedule, with the highest scoring Proposer. However, the City may, in its sole discretion, terminate negotiations and reject the proposal if it appears agreement cannot be reached. The City may then attempt to reach a final agreement with the second highest scoring Proposer and may continue on, in the same manner, with remaining Proposers until an agreement is reached. The consultant selection process will be carried out under Portland City Code Chapter 5.68. The proposal and all responses provided by the successful Proposer may become a part of the final contract. Any information included as part of this contract shall be a public record and not exempt from disclosure, including items redacted from the proposal. The form of contract shall be the City's Contract for PTE Services.

2. REVIEW AND PROTESTS

REVIEW:

Following the Notice of Intent to Award, the public may view proposal documents. However, any proprietary information so designated by the Proposer as a trade secret or confidential and meeting the requirements of ORS 192.501, 192.502 and/or ORS 646.461 et seq., will not be disclosed unless the Multnomah County District Attorney determines that disclosure is required. At this time, Proposers not awarded the contract may seek additional clarification or debriefing, request time to review the selection procedures or discuss the scoring methods utilized by the evaluation committee.

PROTESTS:

Protests may be submitted to the Chief Procurement Officer only for formal solicitations resulting in contract(s) individually valued at or above the Formal Solicitation Process Dollar Threshold (reference www.portlandonline.com/omf/index.cfm?c=44169&a=74585), and only from those Proposers who would receive the contract if their protest was successful.

Protests must be in writing and received by the Chief Procurement Officer within seven (7) calendar days, UNLESS OTHERWISE NOTED, following the date the City's Notice of Intent to Award, Notice to Short List, or notification for non-responsiveness was issued. The protest must specifically state the reason for the protest and show how its proposal or the successful proposal was mis-scored or show how the selection process deviated from that described in the solicitation document. No contract will be awarded until the protest has been resolved.

Protests must be timely and must include all legal and factual information regarding the protest, and a statement of the form of relief requested. Protests received later than specified or from other than the Proposer who would receive the contract if the protest was successful will not be considered. The exercise of judgment used by the evaluators in scoring the written proposals and interviews, including the use of outside expertise, is not grounds for appeal.

The Chief Procurement Officer may waive any procedural irregularities that had no material effect on the selection of the proposed contractor, invalidate the proposed award, amend the award decision, request the evaluation committee re-evaluate any proposal, or require the bureau to cancel the solicitation and begin again to solicit new proposals. In the event the matter is returned to the evaluation committee, the Chief Procurement Officer shall issue a notice canceling the Notice of Intent to Award.

Decisions of the Chief Procurement Officer are final and conclude the administrative appeals process.

EXHIBIT A

CITY OF PORTLAND PROFESSIONAL TECHNICAL & EXPERT (PTE) SERVICES FIRST TIER SUBCONSULTANT DISCLOSURE FORM

CITY PTE DISCLOSURE REQUIREMENTS

The City's disclosure program was adopted to document the use of subconsultants on City projects with a projected value exceeding \$100,000; particularly Oregon certified Minority, Women and Emerging Small Businesses (M/W/ESBs).

This Request for Proposal QBS/RFP requires submission by the Proposer of their expected subconsultants furnishing services, or labor and materials. The Proposer must disclose the following information about each subconsultant:

- 1) The subconsultant's contact information and Employer Identification Number (EIN or FED ID#)
- 2) State of Oregon M/W/ESB designation
(Verify certification status with the Office of Minority, Women, and Emerging Small Business at <http://www4.cbs.state.or.us/ex/dir/omwesb/>)
- 3) The proposed scope or category of work that the subconsultant will be performing
- 4) The percentage of work proposed for each subconsultant's contract (based on Prime Consultant's Potential negotiated total contract).

If the Proposer will not be using any subconsultants the Proposer is required to indicate "NONE" on the accompanying form.

ATTACHMENTS: Form 1: City of Portland PTE Subconsultant Disclosure Form

CITY OF PORTLAND
PTE FIRST TIER SUBCONSULTANT DISCLOSURE FORM
(FORM 1)

Proposers are required to disclose information about subconsultants when the cost of the Professional, Technical and Expert (PTE) services provided may be greater than \$100,000. The Proposer must disclose the information in the table below about such subconsultants.

Enter the expected dollar value for each subconsultant as a percentage of the Total Potential Contract Value. (NOT acceptable to use > or < symbols).

Proposer Name: _____ **QBS/RFP number** BES128

Project Name: Tryon Creek Trunk Sewer Upgrade

SUBCONSULTANT INFORMATION (Please Print)	M/W/ESB	SCOPE/TYPE OF WORK	SUBCONTRACT AMOUNT (PERCENTAGE PROPOSED)
Firm Legal Name: Phone #: Email: Fax#: FED ID OR EIN (No SS#):			%
Firm Legal Name: Phone #: Email: Fax#: FED ID OR EIN (No SS#):			%
Firm Legal Name: Phone #: Email: Fax#: FED ID OR EIN (No SS#):			%
Firm Legal Name: Phone #: Email: Fax#: FED ID OR EIN (No SS#):			%
Firm Legal Name: Phone #: Email: Fax#: FED ID OR EIN (No SS#):			%

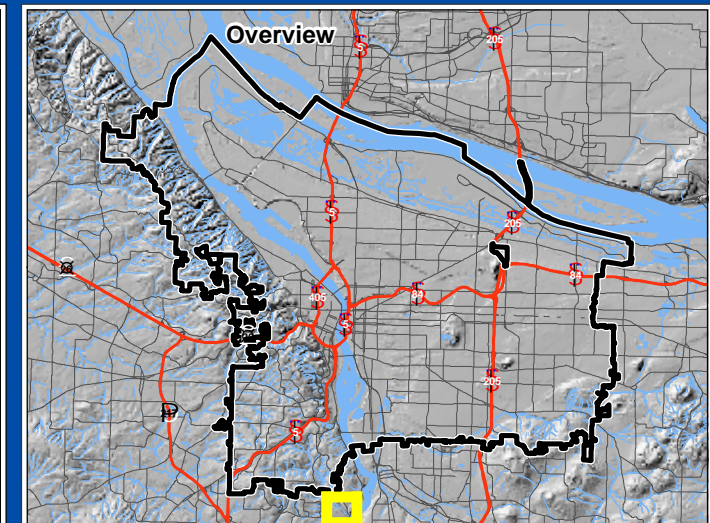
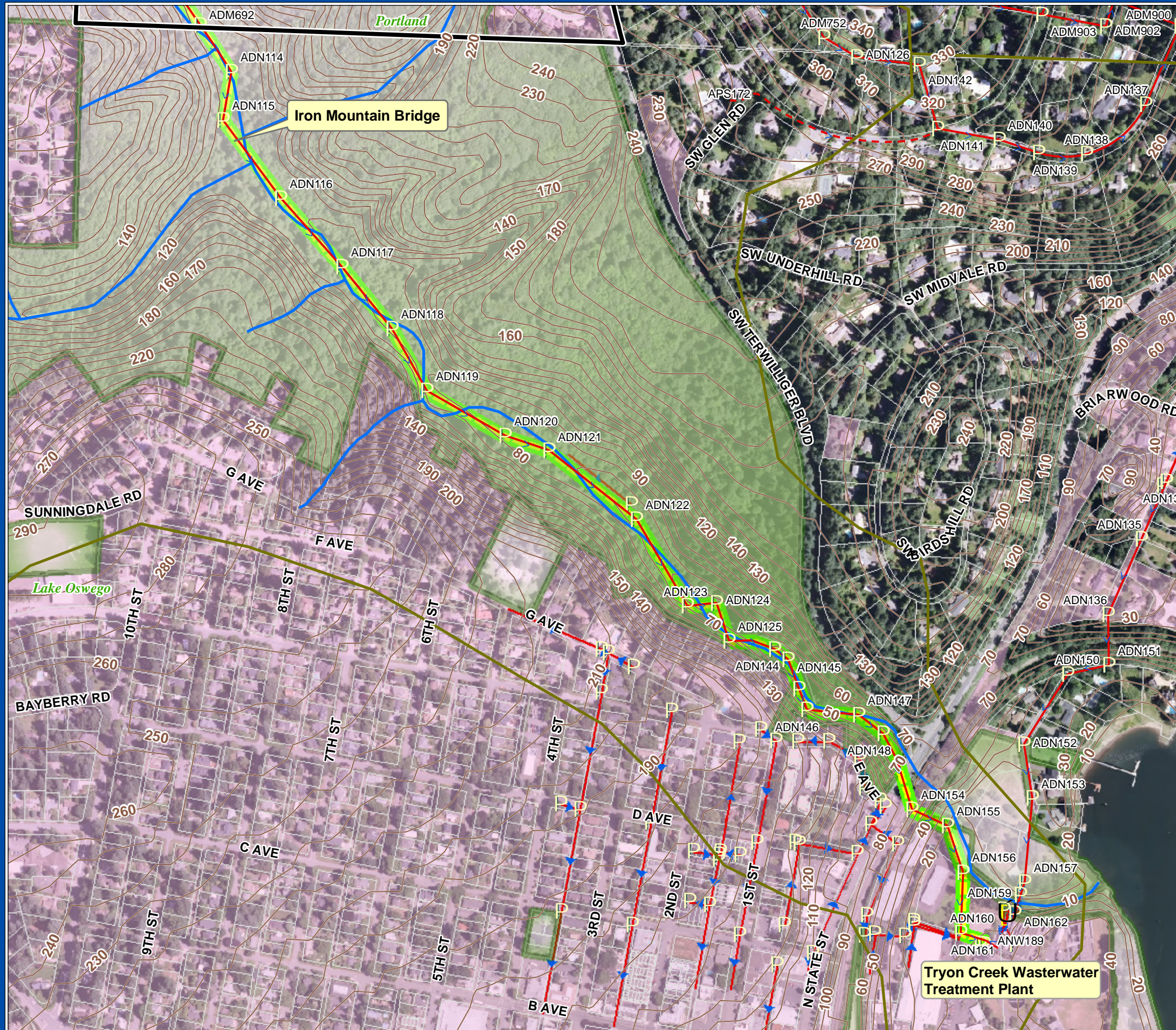
NOTE:

- 1) If the Proposer will not be using any subconsultants the Proposer is required to indicate "NONE" on this form.
- 2) All subconsultants must be listed on Form 1. Leave M/W/ESB column blank if firm is not confirmed certified through the *State of Oregon Office of Minority, Women, and Emerging Small Business*:
<http://www4.cbs.state.or.us/ex/dir/omwesb/>.
- 3) Do not enter social security numbers on this form.

EXHIBIT B

**CITY OF PORTLAND
QBS/RFP #BES128**

VICINITY MAP



Legend

- City of Portland
- Lake Oswego
- Parks and Open Spaces
- Taxlots
- Tryon Creek
- 10 ft Contours
- Tryon Creek Interceptor
- Sanitary Gravity Main
- Sanitary Pressure Main
- Pump Station
- Manholes

1 inch = 460 feet

0 212.5 425 850 Feet

Tryon Creek Sewer Reach 1 Project E08683



CITY OF PORTLAND
ENVIRONMENTAL SERVICES
Systems Analysis
Spatial Analysis and Modeling



Sheet No.

1 OF 1

Date Printed:

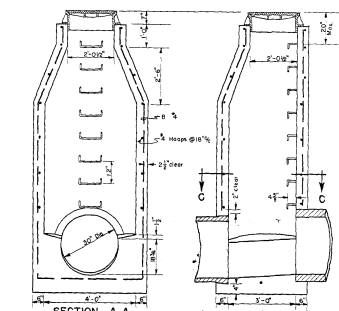
6/9/2011

EXHIBIT C

**CITY OF PORTLAND
QBS/RFP #BES128**

CONSTRUCTION DETAILS

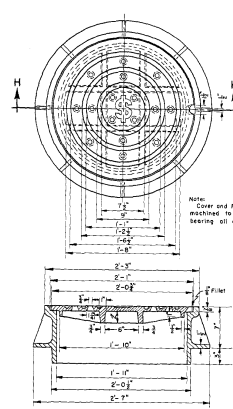
**C.1 Footing Detail Sheet 4-6
C.2 Footing Detail Sheet 5-6**



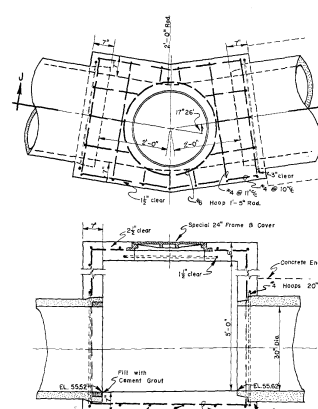
SECTION A-A
SECTION B-B
Scale: $\frac{1}{2}'' = 1'-0''$

STD. M.H. STEPS
Scale: $\frac{1}{2}'' = 1'-0''$

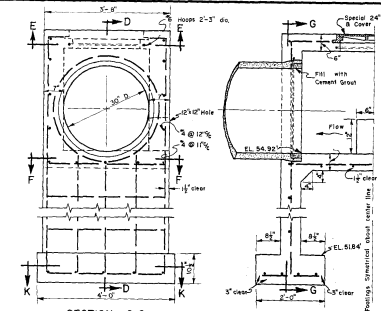
DETAIL "A"
SPECIAL MONOLITHIC MANHOLE FOR MANHOLES C-9 & C-10



SECTION H-H
FRAME & COVER FOR MANHOLES 9 & 10
Scale: $\frac{1}{2}'' = 1'-0''$

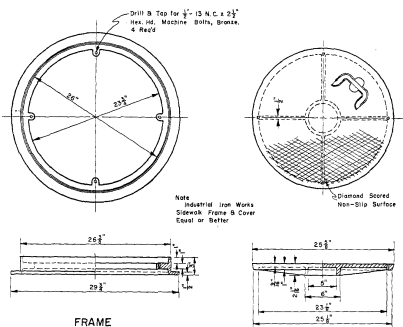


SECTION J-J
SPECIAL SHALLOW MANHOLE C-14
Scale: $\frac{1}{2}'' = 1'-0''$

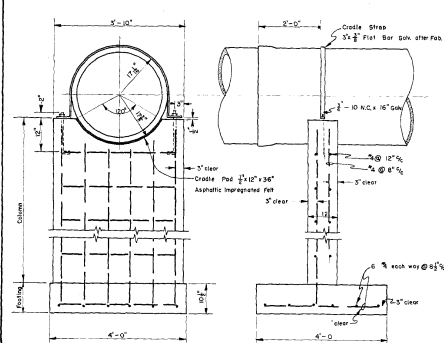


SECTION G-G
SECTION D-D
Scale: $\frac{1}{2}'' = 1'-0''$

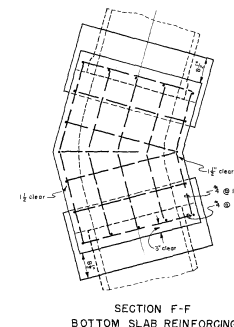
SECTION K-K
DETAIL "C"
MANHOLE C-13
Scale: $\frac{1}{2}'' = 1'-0''$



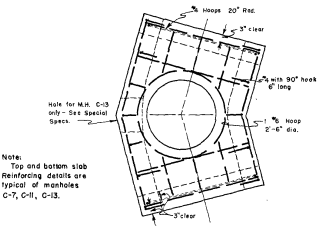
DETAIL "D"
SPECIAL 24" MANHOLE FRAME & COVER
Scale: $\frac{1}{2}'' = 1'-0''$



DETAIL "E"
LOW PIPE SUPPORTS
Scale: $\frac{1}{2}'' = 1'-0''$



SECTION F-F
BOTTOM SLAB REINFORCING

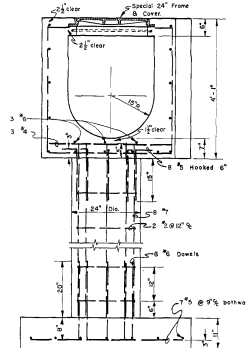


SECTION E-E
TOP SLAB REINFORCING

CITY OF PORTLAND, OREGON	
DEPARTMENT OF PUBLIC WORKS	
W. A. BOWEN, COMMISSIONER	
L. B. HENDERSON, JR., CITY ENGINEER	
RIVER POLLUTION CONTROL PROJECT	
TRYON CREEK INTERCEPTOR SEWER	
UNIT NO. 3	
STRUCTURAL DETAILS	
DESIGNED BY	W. A. BOWEN
CHECKED BY	L. B. HENDERSON, JR.
DATE	APRIL 1963
SCALE	AS SHOWN
APPROVED BY	W. A. BOWEN
DATE	APRIL 1963
SCALE	AS SHOWN
DESIGNED BY	W. A. BOWEN
CHECKED BY	L. B. HENDERSON, JR.
DATE	APRIL 1963
SCALE	AS SHOWN

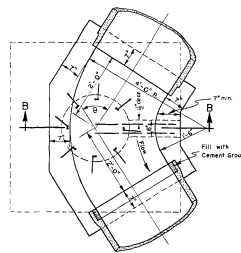
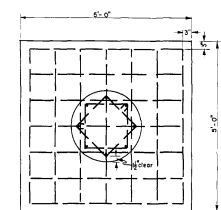
MICROFILMED

MANHOLE & COLUMN DETAIL "F"

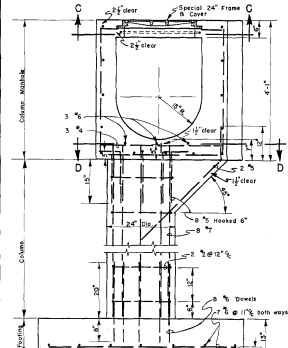


SECTION A-A

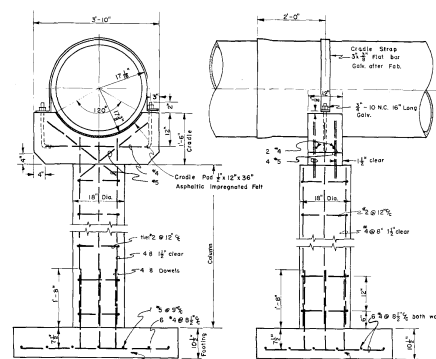
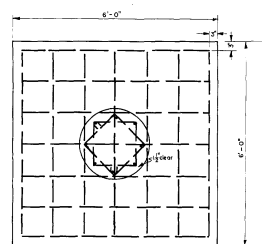
5' x 5' FOOTING DETAIL "H"



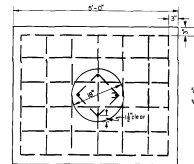
MANHOLE & COLUMN DETAIL "G"



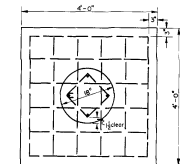
SECTION B-B
6'x6' FOOTING DETAIL "I"



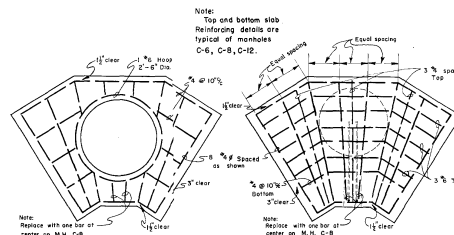
PIPE SUPPORT COLUMN DETAIL "J"



4'x5' FOOTING DETAIL "K"



4'x4' FOOTING DETAIL "L"



SECTION C-C
TOP SLAB REINFORCING

SECTION D-D
BOTTOM SLAB REINFORCING

Scale: $\frac{3}{4}'' = 1' - 0''$

SCHEDULE OF MANHOLES & SUPPORTS						
Manhole or Support No.	Manhole Detail	Inlet/Outlet Angle	Support Detail	Outlet Detail	Paving	Excavation to 1st Course
C-5-1			J	L	27.86	37.86
C-5-2			J	L	26.53	38.03
C-5-3			J	K	38.23	38.23
C-5-4			J	K	19.99	38.42
C-6	G	74° 22' 30"	I	I	15.94	36.94
C-6-1			K	L	34.89	36.89
C-6-2			J	K	15.12	39.12
C-6-3			J	K	21.36	39.36
C-6-4			K	K	22.09	39.58
C-6-5			K	K	22.33	39.83
C-6-6			J	K	22.57	40.07
C-6-7			K	K	23.80	40.30
C-6-8			J	K	25.04	40.54
C-7	F	20° 14' 00"	I	I	65.09	41.09
C-7-1			J	K	25.04	41.04
C-7-2			K	K	24.76	41.28
C-7-3			K	K	24.58	41.53
C-7-4			K	K	24.78	41.78
C-7-5			K	K	25.02	42.02
C-7-6			J	K	27.27	42.27
C-8	G	47° 27' 36"	H	H	88.96	42.96
C-8-1			J	L	31.38	42.88
C-8-2			L	L	34.82	43.12
C-8-3			L	L	36.87	43.37
C-8-4			L	L	37.62	43.62
C-8-5			E	L	42.55	45.55
C-9	A	43° 17' 23"	E	E		
C-10	A	24° 16' 42"	E	E		
C-10-1			E	L	47.47	51.37
C-10-2			E	L	47.09	52.09
C-10-3			E	L	44.92	50.92
C-11	F	3.6° 37' 35"	H	H	41.78	61.78
C-11-1			L	L	43.21	51.21
C-11-2			L	L	41.80	51.40
C-11-3			L	L	41.60	51.60
C-11-4			L	L	42.79	51.79
C-11-5			L	L	45.48	51.98
C-11-6			L	L	46.67	52.17
C-12	G	64° 24' 30"	H	H	44.27	52.77
C-12-1			L	L	44.64	52.64
C-12-2			L	L	45.84	52.84
C-12-3			L	L	46.03	53.03
C-12-4			L	L	48.23	53.23
C-12-5			L	L	47.92	53.42
C-12-6			L	L	50.31	53.81
C-12-7			E	L	50.00	55.50
C-13	G	31° 31' 30"	E	G		
C-13-1			E	L	50.92	55.92
C-13-2			E	L	50.35	55.35
C-14	B	17° 26' 00"	E	E		
C-10-4			L	L	42.54	50.54
C-10-5			L	L	42.26	50.26

FINAL MAP
 dictated by George W. Lind Contractor
 played Oct. 20, 1963
 dictated by G. H. M. Checked by
 on 2 Sec. Map by Checked by
 on on Dist. Map by Checked by

CITY OF PORTLAND OREGON
DEPARTMENT OF PUBLIC WORKS
WM. A. BOWES COMMISSIONER
L. H. ROSENTHAL, P.E. CITY ENGINEER

RIVER POLLUTION CONTROL PROJECT

TRYON CREEK INTERCEPTOR SEWER

UNIT NO. 3

STRUCTURAL DETAILS

WDH. R.

7-1-63
R.G.S.
PAID 6

4-9-63
 G.H.M.
 R.E.R.

FILE NO.	
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