

CITY OF WINTER GARDEN, FLORIDA
Reclaimed Water Booster Pump Station at Avalon Road
PN 14-015

ADDENDUM #3

- THE FOLLOWING CHANGES HAVE BEEN MADE TO THE SUBMITTAL GUIDELINES FOR PN 14-015:

Insurance: The successful Bidder shall obtain a certificate of insurance for Comprehensive General Liability (including Products/ Completed Operations Insurance, Contractual Liability Insurance covering the hold harmless agreement between the named insured and the City of Winter Garden, Florida, and Broad Form Property Damage Liability Insurance), Comprehensive Automobile Liability, Workers Compensation Employer's Liability. The Contractor shall name the City of Winter Garden and Parsons Brinckerhoff, Inc., as " An Additional Named Insured" on the Certificate of Insurance.

Submission of bids: All Bids must be submitted on the enclosed Bid Form, and all pages of said form must be completed. Each Bid must contain the following documents in completed form: (Original and two (2) copies)

- a) Bid Form (Section 00300)
- b) Bid Bond (Pre-bid conference handout)
- c) Non-collusion Affidavit (Section 00450)
- d) Questionnaire (Section 00401)
- e) Drug Free Workplace (Section 00401B)

SELECTION CRITERIA AND PROCEDURES

General

Bids will be reviewed to determine whether or not they are responsive to the criteria, terms, and conditions contained in the bid documents. Failure to follow the instructions, meet the criteria, or agree to the terms and conditions herein may be cause for rejection of the Bids as non-responsive. Bids, which are incomplete, not properly enclosed, or otherwise contrary to these instructions, may be rejected. Conditional Bids will not be accepted. Bid Opening shall be public and occur on the date and at the time specified in the bid documents.

Basis of Award: It is the intent of the City to award the Reclaimed Water Baster Pump Station at Avalon Road Contract to the lowest "Total Bid" satisfying the specified criteria.

- THE FOLLOWING CHANGES HAVE BEEN MADE TO THE PROJECT MANUAL:

- 1) Addition of SECTION 00401 – Questionnaire, attached to this document.
- 2) Addition of SECTION 00401B – Drug Free Workplace, attached to this document.
- 3) Addition of SECTION 00450 – Non-collusion Affidavit, attached to this document.
- 4) Addition of SECTION 01025 – Measurement and Payment, attached to this document.

- 5) Revision of SECTION 11211BPS – 2.03 CORROSION PROTECTION - A: All surfaces of the exposed steel structure and external surfaces of piping shall be grit blasted equal to blast cleaning (SSPC P-6). The internal surfaces of piping shall be grit blasted equal to blast cleaning (SSPC P-10).
- 6) Revision of SECTION 11211BPS – 2.03 CORROSION PROTECTION - E: All surfaces of the exposed steel structure and the external surfaces of piping shall have applied to it a minimum of two (2) layers of the Epoxy Coating listed above for a total dry mil thickness of 8.0 mils. The internal surfaces of piping shall have applied to it a minimum of three (3) layers of the Epoxy Coating listed above for a total dry mil thickness of 12.0 mils.
- 7) Revision of SECTION 11211BPS – 2.04 Piping - A. Steel Transmission Piping: Steel piping shall be the appropriate standard schedule S designed based on the maximum working pressure of the system. Steel pipe flanges shall conform to ANSI/AWWA C207-07 Class D; or ANSI/AWWA C207-07 Class E and/or ANSI/ASME B16.5 based on system pressure. The pipe shall be given a hydrostatic test to 125% of the maximum pump shut-off pressure. If the pumps are not fitted with suction and discharge gage taps, the provision for such shall be made in the piping system.
- 8) Revision of SECTION 16915 - PROCESS INSTRUMENTATION AND CONTROLS – B. Panel Components – 9.o - Variable Frequency Drive:
 - i. The variable speed pump controller shall be iQpump1000 by Yaskawa Electric America, Inc. The iQpump1000 Controller shall be designed for use with AC induction pump motors incorporating true pump control system logic, and pump terminology embedded within the controller and displayed on the programming HOA Keypad interface.
 - ii. Variable frequency drives (VFD's) shall incorporate true pump control terminology, pump curve No Flow & Dead Head detection settings, System Pre-Charge Levels, Independent Thrust Bearing Control, Sleep Control, Feedback Loss Wire Break Detection, High and Low Pressure, Flow, and Level Detection, Anti-Jam, HOA Keypad, Real Time Clock, Single Phase Operation, Multiplex Operation, and Multiple pump alarm messages specific to the pump control system and motor.

- THE FOLLOWING CHANGES HAVE BEEN MADE TO THE PLANS:

- 9) Addition of Sheet C-3 – BPS Plan and Section, dated 6/27/16, attached to this document.
- 10) Revision of Sheet E-2 – Pump Station Plan & Risers, dated 6/27/16, attached to this document.

- CLARIFICATIONS

1. There is no flow meter.
2. Check valves shall be wafer style silent operating check valves such as Val-Matic Series 1400A, Dezurik – APCO Series 300, or equal. Refer to Sheet C-3 for check valves locations.
3. Air release valves shall be as listed in the City of Winter Garden Manual of Standards and Specifications (2008) - Appendix A – Page 16.

- THE FOLLOWING SECTION OFFERS ANSWERS TO QUESTIONS SUBMITTED WITH REGARD TO THE ORIGINAL BIDDING DOCUMENTS DATED MARCH 2016. ANY REVISIONS TO THE BIDDING DOCUMENTS ARE PROVIDED ABOVE.

QUESTION 1: Is there any interior covering inside the building?

ANSWER 1: Refer to Sheet A1.

QUESTION 2: Are the pumps close coupled or frame mounted end suction?

ANSWER 2: Close coupled.

QUESTION 3: Item #1 on the prebid agenda states that the Testing Company is "to be determined by City". Is the City responsible for procuring and paying for the services of a testing company (soil density, concrete, etc.) or is this the responsibility of the Contractor?

ANSWER 3: The City is responsible for procuring and paying the Testing Company's services.

QUESTION 4: Sheet C-2, Note 4 states that the BPS is to be provided and installed by others. While it is understood that the BPS manufacturer shall fabricate a skid-mounted pump station for jobsite delivery, please confirm that it is in the Contractor's scope to furnish and install this equipment.

ANSWER 4: Confirmed.

QUESTION 5: The antenna is to be installed in the easement on the property outside of the designated work area. May the Contractor utilize a small portion of this easement for minor staging as long as they do not impede access or disturb the easement itself?

ANSWER 5: Antenna easement can be used for minor staging as long as Contractor does not impede access or disturb the easement itself.

QUESTION 6: Detail 2 on Sheet D-3 illustrates typical chain link fencing. Is it the intent to provide fencing around the completed pump station or only the antenna mast?

ANSWER 6: Antenna mast only.

Please direct all inquiries in writing to Elisabetta Natale at the WSP | Parsons Brinckerhoff office (e-mail: natale@pbworld.com).

END OF ADDENDUM #3

SECTION 00401

QUESTIONNAIRE

DATE: _____

PROJECT IDENTIFICATION: **CITY OF WINTER GARDEN, FLORIDA**
Reclaimed Water Booster Pump Station at Avalon Road
PN 14-015

NAME OF BIDDER: _____

BUSINESS ADDRESS: _____

Phone No.: _____

CONTRACTOR'S FLORIDA LICENSE NO.: _____

The undersigned warrants the truth and accuracy of all statements and answers herein contained. Include additional sheets if necessary.

1. How many years has your organization been in business as a (circle one) General Contractor/Subcontractor?

2. Describe and give the date and owner of the last project that you have completed similar in type, size, and nature as the one proposed?

3. Have you ever failed to complete work awarded to you? If so, where and why?

4. Have you personally inspected the site of the proposed Work? Describe any anticipated problems with the site and your proposed solutions.

5. Will you Subcontract any part of this Work? If so, describe which portions.

6. List the names and addresses of the subcontractors to be used for the portions of the Work listed below. Bidder shall perform at least 50% of work by own forces.

Subcontract	Name and Address of Subcontractor	Subcontractor Certification Registration No. and Name	Estimated Not-to-Exceed Subcontract Amount (\$ Dollars)
TOTAL SUBCONTRACT AMOUNT NOT-TO-EXCEED			\$

7. What equipment do you own that is available for the Work?

8. What equipment will you purchase for the Work?

9. What equipment will you rent for the Work?

SECTION 00401B

DRUG-FREE WORKPLACE CERTIFICATION

IDENTICAL TIE BIDS: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quantity, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program (Florida Statutes Section 287.037). In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, and available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or pleas of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program is such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Bidder: _____

Signed: _____

By: _____
(Print or Type Name)

Title: _____

Date: _____

END OF SECTION

SECTION 00450

NON-COLLUSION AFFIDAVIT

STATE OF _____)

COUNTY OF _____)

_____, being first duly sworn deposes and says that:

1. He (it) is the _____
(Owner, Partner, Office, Representative or Agent)
of _____, the Bidder that has submitted the attached Bid;
2. He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;
3. Such Bid is genuine and is not a collusive or sham Bid;
4. Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affidavit, have in any way, colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communication, or conference with any Bidder, firm, or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit, or cost elements of the Bid price or the Bid price in any other Bidder, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;
5. The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or any other of its agents, representatives, owners, employees or parties in interest, including his affidavit.

By: _____

Title: _____

Sworn and subscribed to before me
this ____ day of _____, 20____,
in the State of _____,
County of _____.

Notary Public

My Commission Expires: _____

END OF SECTION

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 GENERAL PROVISIONS

- A. General: All schedules and Schedules of Values are given for the convenience of the Engineer, Owner and the Contractor and are not guaranteed to be complete. The Contractor shall assume all responsibility for the making of estimates of the size, kind, and quantity of materials and equipment to be included in Work performed under this Contract.
- B. Lump Sum Contracts: The quantities of work to be performed and materials to be furnished, including all labor, equipment and incidentals required to complete the Work, are specified in Divisions 0 through 16 of the Contract Specifications and shown in the Contract Drawings. Payment to the Contractor of the Lump Sum Price bid for the Work will be made and shall fully compensate the Contractor for the construction of the Work, completed and ready for continuous operation and use, in the manner contemplated by the Contract Documents.

1.02 SCHEDULE OF VALUES

- A. Scope of Work
 - 1. Submit to the Engineer a Schedule of Values within fifteen (15) days after the Notice to Proceed or within twenty (20) days after the Effective Date of the Agreement.
 - 2. A Schedule of Values shall be submitted for the Lump Sum Contract and the total sum of the values in the schedule shall equal the Total Bid amount as stated in the Notice of Award and the Agreement.
 - 3. The Schedule of Values shall establish the actual value of the component parts of the Work and, unless objected to by the Engineer, shall be used as the basis for the Contractor's Applications for Payment.
- B. Form and Content
 - 1. Contractor shall submit standard form or computer printout for approval by the Engineer upon Contractor's request.
 - 2. The values listed shall be the installed values of the component parts of the Work, including material, labor, overhead and profit, and all other costs associated with the installed value of each scheduled item.
- C. Lump Sum Work: For Lump Sum Contracts the cost of the Work shall be separated into major items and sub-items as outlined below. Each item or sub-item shall be provided with associated estimated quantities and unit prices for the purpose of estimating the completion status for progress payments. The costs of Insurance, Overhead (Administration) and profit shall be distributed among all components of the Work in proportion to the respective values, or if scheduled as a lump sum shall be paid in proportion to the value of the Work completed in conformance with the Documents.
 - 1. General Requirements (Division 1 Specification Sections)

- a. Mobilization, Demobilization, Bonds and Permits
 - b. Construction Photographs
 - c. Field Engineering and Exploratory Excavation
 - d. Record Drawing Preparation
 - e. Construction Progress Schedule
 - f. All other costs associated with Division 1 of the Contract Specification
2. Mobilization, Demobilization, Bonds and Permits: The amount of this item shall not exceed 5 percent of the Total Bid Price. Payment of 75 percent of the applicable lump sum price shall be made for the preparatory work and operations in mobilizing for beginning the Work on the project. Payment of the remaining 25 percent shall be made for finalization of this project, including demobilization, contract closeout documents, removal of field office and final site clean-up.
 3. Color Audio-Video Preconstruction Record: The applicable lump sum price shall be full compensation for all labor, materials and equipment necessary to furnish the audio-visual tape recording, video tape identification and log as a pre-construction record. No work shall proceed until the complete video pre-construction record is received by the Engineer and the Contractor has received the Engineer's approval of such documentation.
 4. Field Engineering and Exploratory Excavation: Measurement of this item will be distributed based upon the percentage of the total value of pipe installed during the payment period. Work under this bid category includes easement and pipe alignment layout, right-of-way verification, location and verification of existing utilities through exploratory excavation (test pits), as-built dimensioning and all other survey related work.
 5. Record Drawing Preparation: Measurement of this item will be distributed based upon the percentage of the total value of work performed to date proportioned to the original contract amount; thereby providing reduced compensation for reduced work performed or increased compensation for increased work performed. This work shall include both field documentation and the updating, printing and submittal of reproducible Record Drawings.
 6. Site Work: The cost of the site work, if applicable, shall be separated by task, with estimated quantities.
 7. Structure: The cost of the structure shall be separated into the following sub-items: earthwork, concrete, building, equipment, piping and appurtenances, electrical and instrumentation work. *(to a point 5 feet outside of the structure)*
 8. Yard Piping: The cost of yard piping *(up to 5 feet from structure)*.
 9. Yard Electrical Work: The cost of electrical work outside of the structures *(up to 5 feet from structure)*.
 10. Yard Instrumentation Work: The cost of instrumentation work outside of the structures *(up to 5 feet from structure)*.
 11. The Owner reserves the right to delete any item included in the Schedule of Values and decrease the Contract Price by the scheduled amount for the item deleted.

1.03 APPLICATIONS FOR PAYMENT

- A. Applications for Payment shall be submitted by the Contractor to the Owner in accordance with the schedule established in the Agreement between the Owner and the Contractor.

B. Format

1. Submit applications typed on forms provided by the Owner. The Contractor shall prepare itemized continuation sheets using the accepted Schedule of Values and attach them to the Application. Each item shall have an assigned dollar value for the current pay period, and a cumulative value for the project to date. Change Orders executed prior to the date of submission shall be listed at the end of the continuation sheets and shall be totaled separately.

- C. The Engineer's recommendation of any payment requested constitutes a representation to the Owner that the Quality of Work is generally in accordance with the Contract Documents subject to the results of any subsequent inspections or tests required by the Contract Documents. Should subsequent inspections or tests indicate that portions of the Work is not installed in accordance with the Contract Documents, the Engineer may nullify any such payment previously recommended to such extent as may be necessary in the Engineer's opinion to protect the Owner from loss because of Defective Work. In this regard, partial payment requests for the installation of materials and equipment shall be supported by acceptable field tests as required by each respective specification section. The supporting test or inspection results shall be submitted with the next scheduled partial payment request.

1. If the test or inspection results indicate Defective Work, the respective partial payment request shall be adjusted to nullify payment for the installation of the defective portion or segment of the Work.
2. If supporting test or inspection results are not provided for the payment of installed materials or equipment in the subsequent partial payment request, then additional retainage shall be recommended by the Engineer for the Owner's consideration. The additional retainage shall be equivalent to the value of the tests required to be performed by the Contractor but not provided, or an amount, in the opinion of the Engineer, that maybe necessary to protect the Owner from loss.

1.04 MEASUREMENT AND PAYMENT

A. Methods of Payment

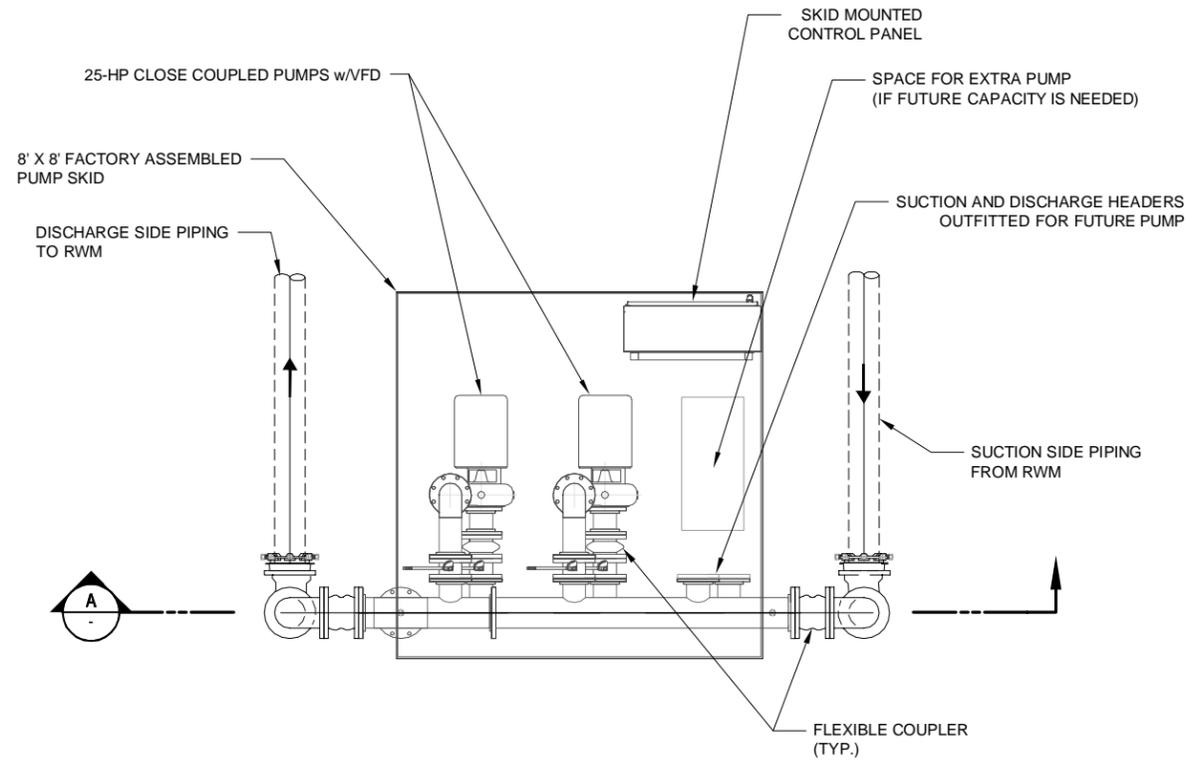
1. Lump Sum Contracts: Payment will be made for each individual item on a percentage of completion basis as estimated by the Contractor and approved by the Owner/Engineer. Quantities provided in the Schedule of Values are for the purpose of estimating the completion status for progress payments. Adjustments to costs provided in the accepted Schedule of Values may be made only by Change Order.

END OF SECTION

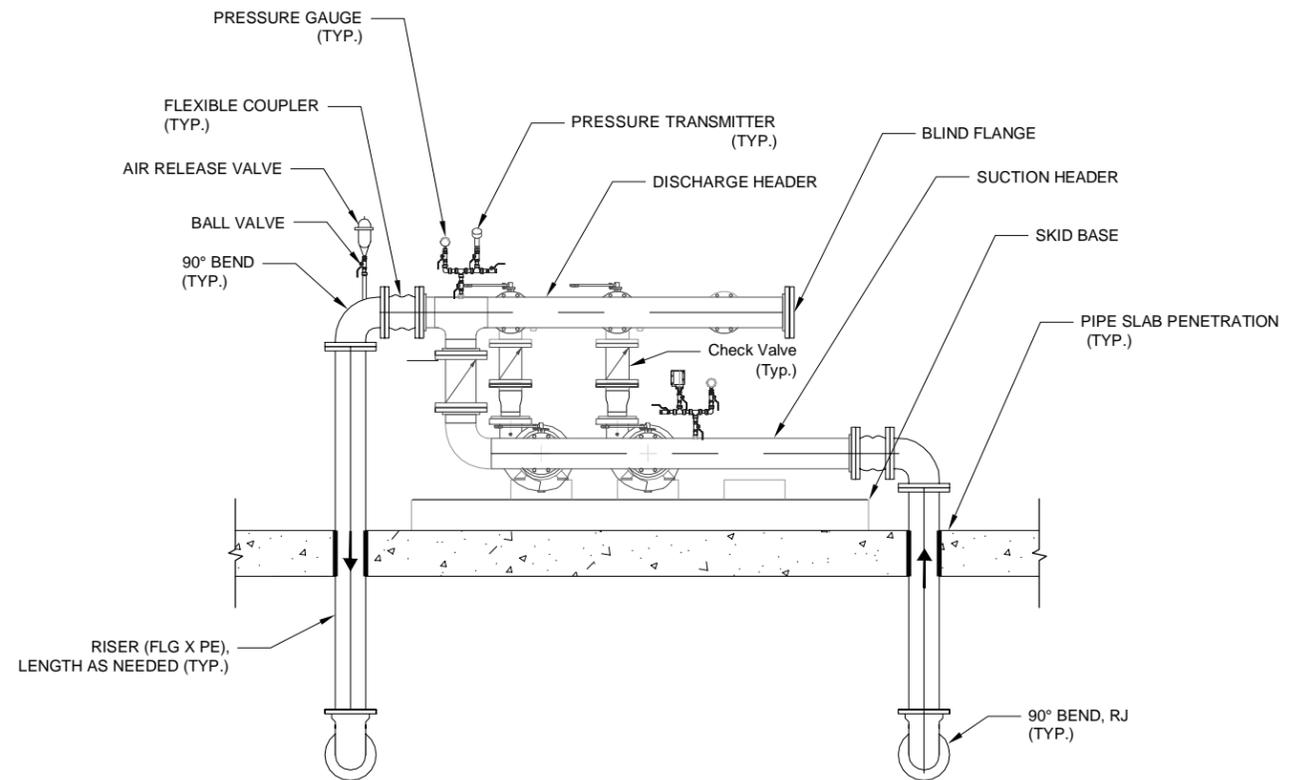
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NOTES:

1. FACTORY ASSEMBLED PUMP SKID CONFIGURATION, PIPE SIZING AND ALL COMPONENTS SHOWN ARE SUBJECT TO CHANGE PENDING FINAL SELECTION OF EQUIPMENT MANUFACTURER. MANUFACTURER TO PROVIDE ADEQUATE PIPING SUPPORT.



Plan
N.T.S.



Section A
N.T.S.

Issued for
Bidding

ADDENDUM 3		6/27/16
No.	Revision	Date
Designed by	Drawn by	Checked by
TSP	ADS	EN
Approved by	Date	May 2016

Project Title
Reclaimed Water Booster Pump Station at Avalon Rd



Drawing Title
BPS Plan and Section

Drawing Number	
C-3	
Sheet	of
5	15
DATE:	
Thomas Perusits	
Engineer of Record	
Project Number	
173820B	
Elisabetta Natale	
Project Manager	

