



COLUMBUS CITY UTILITIES

1111 McClure Road
P.O. Box 1987
Columbus, IN 47202-1987

New Business #1

812-372-8861
812-376-2427 FAX
www.columbusutilities.org

July 9, 2014

To: Utility Service Board

From: Keith Reeves
Director

RE: WATER STREET WWTP DEMOLITION
FINAL ACCEPTANCE
PARTIAL RELEASE OF RETAINAGE

Along with Jason Chopp of Strand, I have completed a final walk through of the subject project and have developed a brief punch list of items that need to be addressed. Strand's official letter and the tentative punch list items are attached.

I am joining with Strand in recommending that the project be declared substantially complete, and that the Board recommend release of retained funds such that only 2% of the contract value remains (\$16,857.15).



Strand Associates, Inc.[®]
629 Washington Street
Columbus, IN 47201
(P) 812-372-9911
(F) 812-372-7190

June 25, 2014

Mr. Keith Reeves, P.E., Utility Director
Columbus City Utilities
P.O. Box 1987
Columbus, IN 47201

Re: Tentative Certificate of Substantial Completion
Contract No. 2-2013
Water Street WWTP Demolition

Dear Mr. Reeves:

In accordance with Article 14.04 of the General Conditions, the above-referenced project was inspected on June 25, 2014.

Based on this inspection, we have included in this tentative certificate a date of June 25, 2014, for Substantial Completion of the project.

A tentative List of Items to be Completed or Corrected, which were noted during this inspection, is enclosed.

In accordance with Article 14.04 of the General Conditions, at the time of delivery of the Tentative Certificate of Substantial Completion, ENGINEER will deliver to OWNER and CONTRACTOR a written recommendation as to the division of responsibilities pending final payment between OWNER and CONTRACTOR with respect to security, operation, safety, maintenance, heat, utilities, insurance, and warranties. It is our recommendation that all the requirements of the Contract Documents be followed as to division of responsibilities between OWNER and CONTRACTOR, and it is not our intent to change any of these requirements through the following recommendations.

Contract Bonds and Insurance requirements are included in Article 5 of the General Conditions and Supplementary Conditions. As specified in Article 5.01 of the General Conditions, the Performance and Payment Bonds shall remain in effect at least until one year after the date when final payment becomes due.

As specified in Article 5.04 of the General Conditions and Supplemental General Conditions, CONTRACTOR shall continue to provide Contractor's Liability Insurance for the complete project until final payment is made and during correction period when CONTRACTOR is completing his Contract obligations and include completed operations coverage for a period of two years after final payment.

As specified in Article 5.06 of the General Conditions and Supplementary Conditions, CONTRACTOR shall continue to provide property insurance for the complete project until final payment is made.

4021.086JJC:cad\R:\COL\Documents\Specifications\Archive\2013\Columbus City Utilities, IN\4021.084.2-2013.JJC\16) Specification Letters\1) Definitive Certificate of Substantial Completion\062514.docx

Mr. Keith Reeves, P.E., Utility Director
Columbus City Utilities
Page 2
June 25, 2014

Concerning site security, we recommend that OWNER be responsible for overall security of the site. OWNER shall allow CONTRACTOR reasonable access to complete work.

Concerning operation and maintenance, we recommend that OWNER be responsible for operation and routine maintenance of the facilities. In the case of equipment, OWNER shall be responsible for operation and routine maintenance from the date of Substantial Completion.

Concerning safety, we recommend that OWNER be responsible for safety of its work and operations and that CONTRACTOR be responsible for its work and operations. Occupational Safety and Health Act of 1970 and other federal and state requirements apply to both parties.

Concerning heat and utilities, OWNER shall provide all heat and utilities from the date of Substantial Completion.

Contract correction period is included in Article 13.07 of the General Conditions and Supplementary Conditions. Beneficial occupancy or use by OWNER does not constitute acceptance.

Please note that, in accordance with Article 14.04, OWNER has seven days after receipt of this Tentative Certificate of Substantial Completion during which to make written objection to ENGINEER as to any provisions of the certificate or list of work remaining.

Sincerely,

STRAND ASSOCIATES, INC.®



Jason J Chopp, P.E.

Enclosure

c: Christine Savory, Denney Excavating



List of Items to be Completed or Corrected
Water Street WWTP Demolition
Contract 2-2013
Columbus City Utilities, Indiana

Original List Date: June 25, 2014 Updated List Date: _____

A. General

1. Furnish final record drawings.
2. Provide final lien waivers.
3. Provide Consent of Surety to final payment.
4. Remove and dispose surface debris located along the south side of the project site.
5. Perform additional mandrel test on 15-inch sewer.
6. Improve site drainage swale located at the northeast corner of the project site and Water Street.
7. Install silt fence around abandoned access drives until grass has been established.
8. Remove portable toilet from the project site.
9. Remove excess silt fence and erosion mats from the project site.
10. Remove silt and debris inside the fenced parking area.
11. Remove silt from the cover of the south most manhole and protect with silt fencing until grass been established.
12. Remove all silt fence once grass seed has been established.

c: Jerry Hutzler (via e-mail)



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New Business #2

July 11, 2014

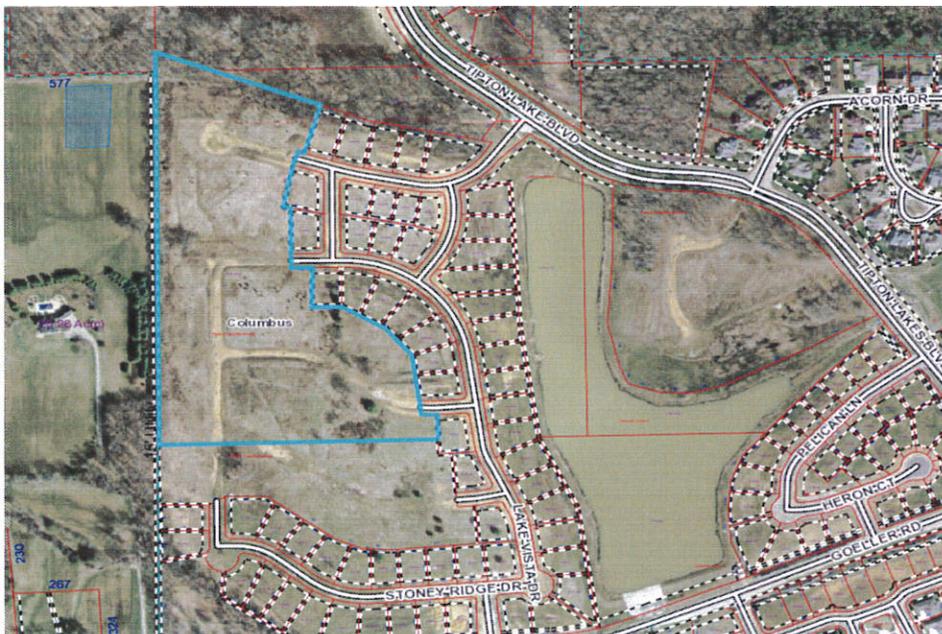
To: Utility Service Board

From: Ed Bergsieker
Manager of Engineering

RE: Spring Hill Lake Phase 2 & 3
Water and Sewer Extensions – Plan Approval

Plans have been submitted for the construction of water and sewer extensions to serve the above referenced properties.

The project is located north of Goeller Boulevard, and west of Tipton Lakes Boulevard.



Plans for this project were submitted by Landwater Group, Inc. for Spring Hill Lake Development, LLC of Columbus, Indiana and have been reviewed by the Engineering Department. They have been found to be in compliance with accepted standards. At this time, I would ask that the Board approve the design plans and specifications for the proposed extensions subject to the standard conditions.

A copy of the approval forms containing the conditions for acceptance is attached in addition to a drawing giving the general locations of the project.



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APPROVAL OF WATER SYSTEM EXTENSION Spring Hill Lake Phase 2 & 3

At its meeting on July 17, 2014, the Columbus Utility Service Board approved plans and specifications for the above referenced water system and subject to the following conditions, will accept said water system into its water distribution system:

- A. The system shall be constructed in accordance with the approved plans and specifications.
- B. The system shall successfully pass an exfiltration test conducted under the supervision of the Columbus Utilities.
- C. The Developer shall tender donation of title and ownership of the system to the Columbus Utilities.
- D. The Contractor shall present to the Columbus Utilities a one (1) year maintenance bond to protect the Utilities against imperfections of the system.
- E. The system shall be approved by the Indiana Department of Environmental Management prior to construction.
- F. The system shall be constructed and submitted for donation within twelve (12) months of this approval.

For the Utility Service Board

Date: _____

Edward H. Bergsieker,
Manager of Engineering



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APPROVAL OF SEWAGE SYSTEM EXTENSION

Reference: Spring Hill Lake Phase 2 & 3

At its meeting on July 17, 2014, the Columbus Utility Service Board approved plans and specifications for the above referenced sewage system and subject to the following conditions, will accept said sewage system into its sewage collection system:

- A. The system shall be constructed in accordance with the approved plans and specifications.
- B. The system shall successfully pass an exfiltration test conducted under the supervision of the Columbus Utilities.
- C. The Developer shall tender donation of title and ownership of the system to the Columbus Utilities.
- D. The Contractor shall present to the Columbus Utilities a one (1) year maintenance bond to protect the Utilities against imperfections of the system.
- E. The system shall be approved by the Indiana Department of Environmental Management prior to construction.
- F. The system shall be constructed and submitted for donation within twelve (12) months of this approval.

For the Utility Service Board

Date: _____

Edward H. Bergsieker,
Manager of Engineering



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New Business #3

July 11, 2014

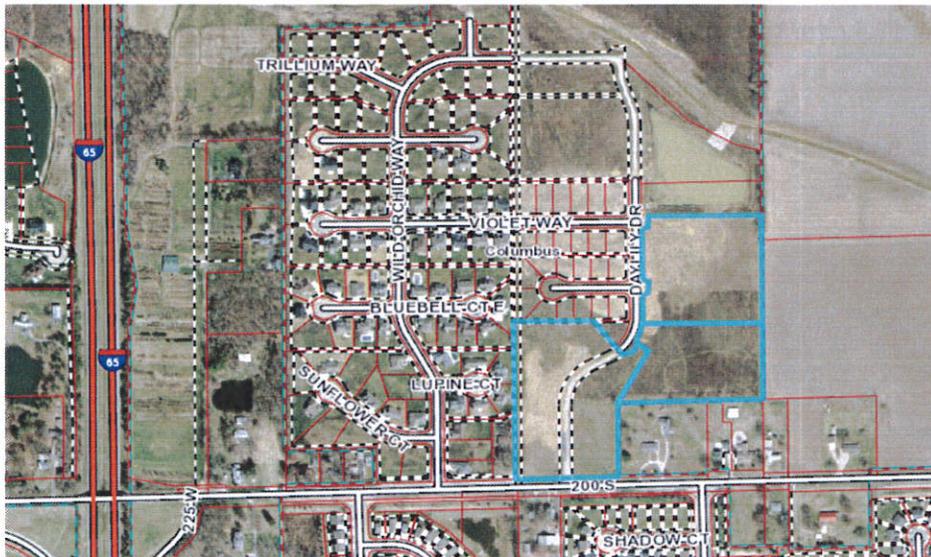
To: Utility Service Board

From: Ed Bergsieker
Manager of Engineering

RE: Wildflower Commons Section 2
Final Acceptance Water & Sewer Improvements

The Engineering Department has observed the water and sewer facilities installed in conjunction with the above referenced development. We have provided on-site inspection during the construction process, obtained all necessary "as-built" information and conducted all necessary tests.

The project is located north of County Road 200 South and east of I 65.



Staff has received the Tenders of Donation, the Engineer's Certification of Completion and Maintenance Bonds.

The project was constructed in compliance with plans and specifications prepared by Crowder & Darnall Land Surveying of Columbus. The Owners/Developers for this project are Joe and Lisa Conner of Columbus.

Staff recommends acceptance of these improvements.



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New Business #4

July 11, 2014

To: Utility Service Board

From: Ed Bergsieker
Manager of Engineering

RE: 3rd Street Lift Station Relocation and Replacement and
Sanitary Sewer Improvements

The services of GRW Engineers, Inc. were enlisted by Columbus Utilities to look at the four most realistic sites for the relocation of the 3rd Street Lift Station, and through Engineering Services, determine which site projects the best engineering option after looking into site availability, acquisition costs, design costs, and estimated construction costs associated with each location. Three sites were developed with the fourth site put aside based on property contacts never returning phone messages.

Their review will be presented at this month's Utility Service Board Meeting. Staff will be seeking Board approval of the results for site selection and also approval of Engineering Design/Permitting/Property Acquisition Services, Bidding Services, Construction Administration and Construction Observation costs for the site recommendation with the hope of meeting key milestone dates with regard to construction.

GRW's engineering fees for the remainder of the project from Design/Permitting/Property Acquisition Services, Bidding Services, Construction Administration and Construction Observation would be not to exceed \$310,000.00. The fee is pretty much in line with prior work they have done on similar projects.

Attached is the executive summary prepared by GRW Engineers.

Executive Summary

GRW Engineers, Inc. (GRW) was contracted by Columbus City Utilities (CCU) to provide engineering services related to the relocation and replacement of the 3rd Street Lift Station (Lift Station #24). The existing 3rd Street Lift Station (LS) is located at the northeast corner of the intersection of 3rd St./State St. and Central Ave./2nd St., along the north bank of Haw Creek. The purpose of this project is to replace the existing 3rd Street LS at a new designated location that best incorporates the future wastewater and planned growth needs of CCU. The existing LS and forcemain date back several decades and is currently showing signs of deterioration due to age/condition. In addition, the physical station location along the busy congested street, coupled with deep dry pit configuration make accessibility for maintenance extremely difficult and generally unsafe. The engineering report covers the lift station capacity needs, site location alternatives, associated site work, LS and sewer improvements required at each site, project costs, and selected plan.

Based on review of historical flow rates and projecting over the 20-year planning period (Year 2035), the proposed lift station design capacity is 8 MGD (5,600 gpm), using 2 duty + 1 standby submersible pumps with VFDs. Along with the new lift station, a new 20" forcemain will be required from the new LS site to the existing Headworks Structure together with gravity sewer improvements and/or extensions utilizing a combination of open cut, bore and jack (at road/railroad crossings), and directional drilling (at creek crossing) construction. Included with this work will be the demolition of the existing LS and abandonment of some of the existing out-of-service sewers.

Based on input from CCU, three (3) sites were evaluated in detail for locating the new lift station: Site 1 – Mariah Foods property; Site 2 – Cummins property, and Site 3 – City-owned property. Each site was evaluated based on site work, lift station construction/layout, utility routing/relocation, and land acquisition needs.

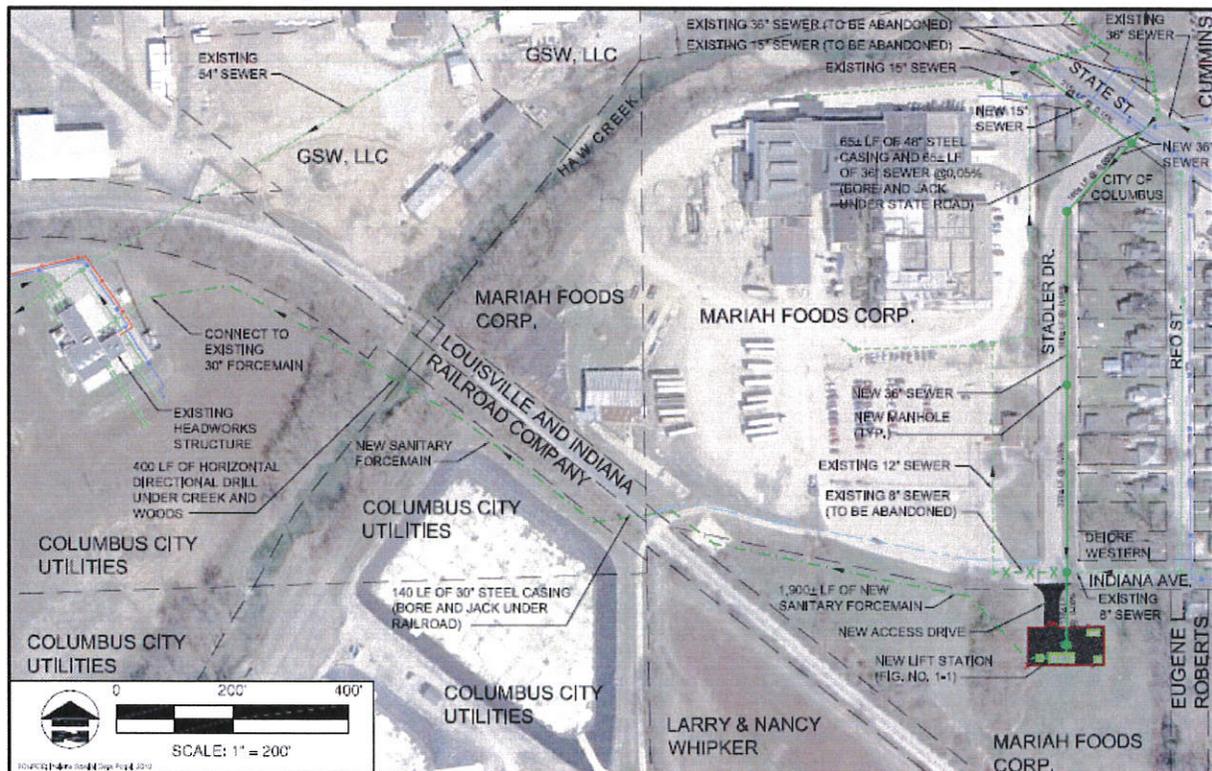


The construction cost, land cost, non-construction cost, and project cost opinions for each site alternative are summarized in the table below. Non-construction costs include engineering planning/design/surveying, permitting, bidding, construction administration, and inspection services anticipated for the project and are assumed to be equal for all sites given their similar project scopes.

Project Cost Opinions

Site Alternative	Construction Cost	Land Cost	Non-Const. Cost	Project Cost
Site 1 - Mariah Location	\$2,627,000	\$0	\$310,000	\$2,937,000
Site 2 – Cummins Location	\$2,716,000	\$40,000	\$310,000	\$3,066,000
Site 3 – City Location	\$2,690,000	\$0	\$310,000	\$3,000,000

Of the sites presented and evaluated in this report, Site 1 – Mariah location, is recommended by CCU for further design and construction when factoring in project cost, more remote location from busy streets and dwellings, improved accessibility, and minimal site restrictions. Further, based on initial discussions between CCU, GRW, and Mariah's representative; Mariah has indicated their desire to donate the entire 5.25 acre parcel south of Indiana Ave. to CCU at no cost. The conceptual layout of Site 1 improvements is shown in the following figure.



The key project schedule milestone dates anticipated for this project, from completion of planning phase through construction are presented in the table below and based on CCU's overall target deadlines of design in 2014 and construction in 2015.

Anticipated Project Schedule

Activity	Date
Complete Planning/Study Phase	July 17, 2014
Design Phase	August 1 – December 1, 2014
Permitting	November 2014 – February 2015
Bidding Phase	February – March 2015
Construction Phase	April to December 2015 (240 days SC + 30 days Final **pending weather)

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