

ADDENDUM NO. 1

Waterford Estates 30-Inch Trunk Sewer
E.O. No. 78974
T.C. No. 801615
Lincoln, Nebraska - 2007
Spec. No. 07-295

TO ALL WHO HAVE RECEIVED PLANS AND SPECIFICATIONS FOR THE REFERENCED PROJECT.

SCOPE

This Addendum covers the following additions, modifications, and clarifications to the Drawings and Specifications for this project.

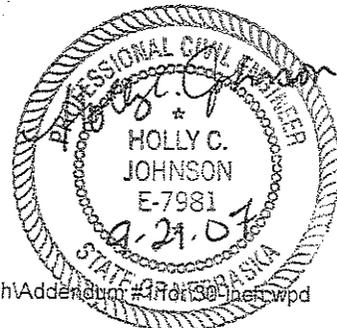
GENERAL

1. Prebid Meeting. A Prebid Meeting was held on September 19, 2007. The attendance list, the minutes for the meeting, and a hard copy of the Power Point presentation are attached to this Addendum. The minutes of the Prebid Meeting and a copy of the presentation are provided for general information only and are not intended to be used as part of the bidding or contract documents for the project. Bidders are to refer to the Project Specifications and Drawings for information.

SPECIAL PROVISIONS

1. Refer to the ARTICLE II. PROPOSAL REQUIREMENTS AND CONDITIONS in the SPECIAL PROVISIONS TO THE GENERAL CONDITIONS & REQUIREMENTS.
 - a. Refer to Item B. TYING BIDS. The Bid Opening will be postponed from 9/26/07 to 10/10/07.
2. Refer to ARTICLE VIII. GUARANTEE & PAYMENT in the SPECIAL PROVISIONS TO THE GENERAL CONDITIONS & REQUIREMENTS.
 - a. Refer to Item B. SUBSTANTIAL COMPLETION. Delete the following:
"The project shall be substantially complete within 90 days from the project commencement date."
Add the following:
"The project shall be substantially complete by April 1, 2008."
 - b. Refer to Item C. ACCEPTANCE OF WORK. Change the final completion date from May 15, 2008, to September 1, 2008.

Each Bidder must acknowledge receipt of all addenda in the space provided on the Proposal form.



MEETING MINUTES

PRE-BID MEETING

	Overnight
X	Regular Mail
	Hand Delivery
X	Other: Addendum

NAME OF PROJECT:	WATERFORD ESTATES 30-INCH TRUNK SEWER (E.O. 78974) WATERFORD ESTATES 24-INCH TRUNK SEWER (E.O. 79433)
PROJECT LOCATION:	Lincoln, Nebraska
MEETING LOCATION:	Theresa St. Wastewater Treatment Plant, Training Room
DATE & TIME:	Wednesday, September 19, 2007 – 1:00 p.m.
PROJECT #:	2005-0079
PHASE/TASK #:	700, 700004

ATTENDEES:				
NAME	ORGANIZATION	PHONE #	FAX #	EMAIL
Derek Bookstrom	H.R. Bookstrom	464-4342	464-4846	dsb-bookie@yahoo.com
Joe McLaughlin	H.D.S.	430-9920	438-1229	Joe.Mclaughlin@HDSupply
Ray Lipsey	Lipsey Construction	432-2293	420-6675	
David Rathjen	City – Engr. Services	441-7594		
Mike Mandery	LWWS	441-7988		mmandery@lincoln.ne.gov
Don Day	Olsson Associates	458-5644		dday@oaconsulting.com
Brian Egr	General Excavating	467-1627	467-2084	begr@generalexavating.com

The meeting commenced at 1:00 p.m. with a power point presentation by Holly Johnson, Olsson Associates, offering a general overview of the project. Ryan Beckman, Olsson Associates, presented information from the Geotechnical Report. A list of attendees and a copy of the powerpoint slides are attached. Some of the major points discussed include:

- The Owner of the projects is Waterford, LLC. The City will assume ownership of the project upon completion of construction and will reimburse the Owner for construction and engineering costs in the future.
- Brian Kramer, Lincoln Wastewater System (LWWS), explained that the Contractors should view this project as a Capital Improvements Project (CIP), not as a standard Executive Order project such as an 8-inch trunk sewer in a Subdivision. These projects will have a full-time resident observer which will most likely be Olsson Associates. Monthly progress meetings will be held with Lincoln Wastewater in attendance. While Waterford LLC is the temporary Owner of the project, the City will be very involved in the construction since they will assume ownership upon completion of the project. The plans and specifications have been prepared as per LWWS standards which differ from the City of Lincoln Standard plans and specifications.

- The 30" trunk sewer project includes 30", 24", 15" and 8" diameter piping. All piping is installed by open trenching. The 24" sewer project includes 24" and 8" piping. The majority of the project is open trenched. There are two tunnels in the project and 275 feet of pipe installed in an existing steel casing under No. 98th Street. Manholes will be 5-foot and 6-foot diameter with a T-lock liner. There will also be one creek crossing in the 24" trunk sewer project.
- Ryan Beckman talked about the geotechnical conditions. Groundwater is expected when installing all of the 30" trunk sewer and at least 800 feet of the 24" project up to the tunnels under the Spillway. At the tunnels, soil conditions transition to Dakota Sandstone which is a very dense sugar sand. One boring showed a little ironstone. Dick Shanahan has experience with excavating the area since they have been working on the site grading. Blow counts are often over 100. Dispersive soils are also expected up to the tunnels under the Spillway. Therefore, the pipe bedding material is specified to be wrapped in Geotextile fabric until the trench is in sandstone. There were no questions raised by the meeting attendees on soil conditions.
- There are two construction entrances into the project shown on the plan sets. One is on Holdrege Street and the other is on "O" Street. Refer to the project drawings for the limits of construction. Wetlands are shown on the drawings with procedures for reseeded. The SWPPP is also included on the drawings sets.
- The 24" trunk sewer project will have two tunnels. The Contractor is allowed to install the pipe by microtunneling or two-pass tunneling.
- The Contractor is allowed to use vitrified clay, solid wall PVC, Lamson Vylon profile wall PVC, or Hobas pipe on this project. More than one type of pipe can be used. However, only one type of pipe can be installed between manholes.
- Manholes shall be provided as per the Lincoln Standard Plans with a T-lock Liner.
- The Owner is in the process of obtaining an amendment to the 404 permit for the site for the creek crossing, the floodplain development permit and the NPDES permit for stormwater discharge. The Contractor will be required to co-sign the NPDES permit. The final plans and specifications have also been sent to the NDEQ for amendment of the construction permit.
- The Bid Form is unit price. The contracts for the 24" and 30" are tied so Contractors must bid on both projects. A questionnaire and bidder's qualifications must also be submitted with the Bid Proposals for review. Liquidated damages are \$1,000 per day for both substantial completion and final completion. Five percent retainage will be held out of progress payments until substantial completion. The Contractor must warranty both projects for two years.
- The Contract Documents include the Lincoln Standard Plans and Specifications and the Special Provisions and drawings prepared by Olsson Associates.
- There are several dates which the Contractors should be aware of. Addendum No. 1 has been given to the City to add a microtunneling specification to the 24" project. The tunnel grout specification will also be added by a future addendum. The last day for questions is September 21st. A final addendum will be issued by September 24th at the latest. Bids will be opened on September 26th. The Contractor will have 90 days to Substantial Completion for the 30" project and 150 days to Substantial Completion for the 24" project. The final completion date for both projects is May 15, 2008.

- The Contractor is required to verify the location of all utilities before starting work. Most of the utilities are being installed at this time and are shown on the project drawings. Construction staking will be performed by Olsson Associates.
- The Contractor should read the tunneling specifications thoroughly. A tunneling work plan is required with submittals described in several sections of the specifications.
- A groundwater and surface water monitoring plan will also be required for the 24" trunk sewer. This plan is described in Section 02801.
- All questions must be directed to Vince Mejer, Lincoln Purchasing, in writing. His email is Vmejer@lincoln.ne.gov. Questions will be forwarded to the appropriate party for a response.

QUESTIONS & ANSWERS

Questions that were raised during the meeting are summarized below, along with answers. A meeting was held with the Developer on September 20, 2007. Additional information is provided below from that discussed during the meeting.

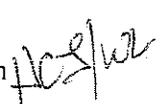
Q1: Will the completion time be extended?

A1: The contract time was set by the Developer. The Engineer explained that the date was set when housing would be complete. A meeting was held with Waterford LLC on September 20, 2007, to discuss a time extension. An addendum will be issued to postpone the bid date two weeks and to extend the construction time frame.

Q2. Concrete Industries will not be able to construct the manholes with the T-lock lining until December. Can this liner be omitted so that the project can be completed on time? TJ Osborn is installing fiberglass manholes on his project.

A2. T-lock lining is a LWWS standard. The City has not used fiberglass manholes in the past. The Osborn project is the first one with this type of manhole. The T-lock lining cannot be omitted. The Owner will contact Concrete Industries and find out if the manhole construction can be expedited.

Please contact Holly Johnson at 402-458-5669 if there are additions or corrections to these meeting minutes.

Submitted by: Holly C. Johnson 

Enclosures: Meeting Attendees
Powerpoint Presentation

Distribution: Attendees
Brian Kramer, LWWS
Mark Palmer, Olsson
John Brager, Waterford LLC



ATTENDANCE LIST
PRE-BID CONFERENCE
WATERFORD ESTATES 30-INCH TRUNK SEWER (EO 78974)
WATERFORD ESTATES 24-INCH TRUNK SEWER (EO 79433)
LINCOLN, NEBRASKA
OA PROJECT NO. 2005-0079
WEDNESDAY, SEPTEMBER 19, 2007 - 1:00 PM

Name of Attendee (Please Print)	Company/Department Representing	Email Address	Phone No.	Fax No.
DEREK	H.R. BOOLESTROM	dsb_booleic@yahoo.com	464-4342	464-4846
JOE McLaughlin	H.D.S	JOE.McLaughlin @ HD Supply	430-9920	438-1229
Ray Lipsey	Lipsey		432-2293	420 6675
David Rathjen	City Engr Services		441-7594	
mike mandery	LWWS	mmandery@lincoln.ne.gov	441-7988	
Don DAY	OA	dday@oaconsulting.com	458-5644	
BRANER	GE	braganer@ge.com	467-1627	467-2024

Welcome!

WATERFORD 30-INCH AND 24-INCH
TRUNK SEWERS
Pre-Bid Meeting
September 19, 2007, 1:00 p.m.



Workshop Agenda

- Introduction of Project Team
- Project Overview
- Geotechnical Conditions
- Site Access & Limits of Construction



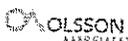
Workshop Agenda

- Construction Techniques
- Materials
- Permits Obtained by Owner



Workshop Agenda

- Bid Form/Payment
- Contract Documents
- Milestone Dates
- Contractor Investigation & Documentation
- Other Questions?



Introduction of Project Team

- Owner
 - Waterford Estates LLC
- City of Lincoln, Nebraska
 - Public Works & Utilities – David Rathjen
 - Lincoln Wastewater System – Brian Kramer
- Design Team
 - Olsson Associates



Project Overview

- 30-inch diameter sewer project
 - 1,455 linear feet of 30"
 - 10 linear feet of 24"
 - 10 linear feet of 15"
 - 47 linear feet of 8"



Project Overview, continued...

- 24" diameter sewer project
 - 5,458 linear feet of 24" (open cut)
 - 13 linear feet of 8" (open cut)
 - 275 linear feet of 24" (installed in existing casing)
 - 396 linear feet of 24" (two-pass tunneled or micro-tunneled)



Project Overview, continued...

- Manholes
 - 30-inch trunk sewer project
 - 4 Each Type G manholes (6' diam.)
 - 2 Each Type H drop manholes (6' diam.)
 - 24-inch trunk sewer project
 - 14 Each Type P manholes (5' diam.)
 - 2 Each Type Q drop manholes (5' diam.)



Project Overview

- Creek Crossing (24" Trunk Sewer Project)
 - Sheet piles
 - Sewer concrete encased
 - Grouted riprap



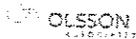
Project Overview-Connections to New Sewers

- 30" Trunk Sewer
 - 30" Connects to 30" Pipe exiting a Temporary Lift Station to be constructed at Sta. 500+00
 - At Sta. 514+54.78, install 24" sewer and plug
- 24" Trunk Sewer
 - Sta. 0+10, Remove 24" plug and connect to 24" piping installed as part of 30" trunk sewer project
 - Sta. 61+74.35, Install 24" stub-out and plug for future



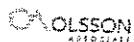
Overview of Geotechnical Conditions

- Dewatering requirements
- Dakota sandstone
- Dispersive soils (Entire length of 30" project and first 800 feet of 24" project)



Site Access

- Access points to the project site
 - Existing construction entrance on Holdrege St.
 - Existing construction entrance on "O" Street



Limits of Construction & Site Restrictions

- ⇒ 30" Trunk Sewer (Sheet 4 – Horizontal and Vertical Control)
- ⇒ 24" Trunk Sewer (Sheets 22 – 25)
- ⇒ Wetlands, dewatering, & SW3P discharges



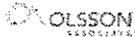
Construction Techniques

- ⇒ 30-Inch Trunk Sewer
 - Open cut
- ⇒ 24-Inch Trunk Sewer
 - Open cut
 - Two tunnels under spillway
 - Installation in existing steel casing under 98th Street



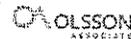
Construction Techniques

- ⇒ Open-cut trenching
- ⇒ Tunneling
 - Microtunneling (Hobas or VCP)
 - Two-pass tunnel using primary support of gasketed tunnel liner plate or steel casing (PVC, Hobas, or VCP)



Materials

- ⇒ Sewer pipe 24" & 30" diameters
 - Centrifugally cast fiberglass reinforced polymer mortar (CCFPM) pipe – HOBAS only
 - Polyvinyl chloride (PVC) – profile wall (Lamson, Vylon only) and solid wall PVC
 - Vitrified clay pipe



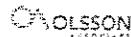
Materials

- ⇒ Manholes
 - Pre-cast concrete with plastic lining
 - L.S.P. 201: Wastewater Manholes Type 'G', 'H', 'P' and 'Q'



Permits obtained by Owner

- ⇒ US Army COE 404 permit (Amendment to permit for the entire site)
- ⇒ Floodplain development permit
- ⇒ NPDES construction site stormwater discharge permit (co-sign with Owner)
- ⇒ NDEQ construction permit



Bid Form/Payment

- ⇒ Unit price contract
- ⇒ Contracts are tied for the 24" and 30" trunk sewer projects and both jobs will be awarded to one Contractor
- ⇒ Questionnaire
- ⇒ Bidder's qualifications

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Bid Form/Payment

- ⇒ Liquidated damages
 - \$1,000/day Substantial Completion
 - \$1,000/day Final Completion
- ⇒ Retainage
 - 5% until Substantial Completion
- ⇒ 2-Year Project Warranty

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Contract Documents

- ⇒ Special Provisions
- ⇒ Plans
- ⇒ City of Lincoln Standard Specifications for Municipal Construction and City of Lincoln Standard Plans

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Milestone Dates

- ⇒ Addendum #1 for 24" Project (Section 02315 - Micro-tunneling added)
- ⇒ Addendum #2 for 24" Project (Section 02330 - Tunnel Grout to be added)
- ⇒ September 21, 2007 - Last day for questions
- ⇒ September 24, 2007 - Final Addendum Issued
- ⇒ September 26, 2007 - Bids received and opened
- ⇒ 90 days (30") and 150 days (24") to Substantial Completion
- ⇒ Final Completion - May 15, 2008

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Contractor Investigation & Documentation

- ⇒ Investigate/verify locations of all existing utilities prior to beginning work
- ⇒ Construction staking shall be performed by the Engineer

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Contractor Investigation & Documentation

- ⇒ 24" Trunk Sewer Project
 - Tunneling work plan (tunnel shafts, tunneling methods, grouting)
 - Monitoring plan for groundwater and surface water (Section 02801)

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Thank you-Questions?

- ⇒ Self-guided tours of alignment
- ⇒ Contact Vince Mejer, City of Lincoln Purchasing Dept. with questions regarding the plans and specifications (402-441-8314 or vmejer@lincoln.ne.gov)

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