City of Broken Bow

Monday, September 24, 2012 City Council Regular Session

Acceptance of Woodcrest Infrastructure Improvements including Street, Water Main and Sewer Main as presented in the Phase I approval

Staff Contact: Mayor

Michelle Millsap

From:

Michelle Millsap

Sent:

Friday, September 07, 2012 10:10 AM

To:

'Steve Parr'

Cc: Subject: 'Mayor Burt'; Barry Fox; Elaine - City Clerk; Brent Burklund

Attachments:

RE: FW: Broken Bow - Rolling Hills Development 2011-1 STC ENG-C3012070217030.pdf; Concrete Core Test Report 7-31--12.pdf; Dry Unit Wt

Compaction Report.pdf; Print scan-20120727133238-0000.tif (1 page).pdf; Broken Bow -

Woodcrest Final Plat - 2011.pdf

Importance:

High

Mr. Steven Parr, RLS JEO Consulting Group, Inc. PO Box 207 142 W. 11th Street Wahoo, Nebraska 68066-0207 sparr@jeo.com

September 7, 2012

Dear Sir,

In response to your inquiry, we have asked our Engineer to provide the information requested. Following is the information that has been submitted regarding the Rolling Hills Development. Also attached are the requested test results and the Final Plat. Please review and respond as to the next steps and timeline for project acceptance.

Your requests, forwarded to us by Tony Tolstedt on 8/28/2012:

"1. A letter from the Engineer of record stating the project was constructed according to the plans and specifications.

A letter sent around July 2nd, 2012 to Tony, City Manager. The letter is attached here again.

A set of "Record Drawings" or "As Builts" that would show any changes from the original plans. This should also show the location of the water and sanitary sewer service lines for each lot in relation to the lot lines, water main connections.

The construction was conducted without significant differences to the design.

- 3. A copy of the shop drawings of the materials incorporated into the project.
 - Water main pipe a.
 - Sanitary sewer main Pipe
 - Fire hydrant
 - d. Gate valve

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- e. Fittings (tee, cross, etc.)
- f. Water service line materials (service line, saddle, corporation, curb stop, box)
- g. Sanitary sewer manhole
- h. Sanitary sewer service line material
- i. Concrete mix design for paying
- j. Storm sewer pipe

Submittal information is attached. NDOR 47B mix was used per NDOR specifications and design and thus no design submittal was made.

4. Testing Data

- a. Trench testing (water, sanitary sewer, storm sewer, service lines)
- b. Subgrade testing
- c. Concrete testing (paving) slump, air, strength
- d. Water main disinfection results (Tony T furnished a copy to me.)
- e. Pressure test results of water main
- f. Low Pressure air test results of sanitary sewer main
- g. Copy of tv inspection of sanitary sewer main
- h. Sanitary sewer main deflection test
- i. Sanitary sewer main alignment test

Available testing results are attached. The water and sewer main testing was done on site with approval by Darren Marten in the field with Myers Construction.

I would also recommend a walkthrough of the project by City Staff (water, sewer, street), which I believe you have already done. I would check to make sure the manholes are clean and grouted, water main valve boxes are clean and the valves operate properly, storm sewer inlets are clean and grouted, fire hydrants operate properly, paving joints are sealed, etc.

The walkthrough has been completed by respective City of Broken Bow staff with Chris Myers.

I also noted on the plans that on the water and sanitary sewer plan sheets the street is labeled North Loop Road but on the paving sheet it is labeled Maple Road. I am not sure which one is correct. Maple Road is correct; See attached final plat.

Are the lot pins set? Finished on 8/30/12."

If you have further questions, please contact me.

Sincerely, Barry Fox Manager Rolling Hills LLC



(308) 872-6494 Broken Bow (402) 315-1838 Omaha barry.fox@adamsiandandcattle.com



T. C. ENGINEERING INC.

ONE SOUTH SYCAMORE STREET
P. O. BOX 832
NORTH PLATTE, NEBRASKA 69103
(308) 534-9245
email: tcw@lcengineeringinc.com
brb@lcengineeringinc.com

June 29th, 2012

Mr. Tony Tolstedt City Administrator PO Box 504 314 South 10th Ave Broken Bow, NE 68822

RE: Woodcrest Subdivision Phase I

Dear Mr. Tolstedt,

This letter is in reference to the above Subdivision Infrastructure improvement including the Street work, water main, and sewer main work as presented in the Phase I approval.

To the best of our knowledge and understanding, the work has been substantially completed in accordance with the design drawings and specifications.

Thank you for your work on this project. If you have any questions, feel free to call or email as needed.

Sincerely, Deeth. Sulled

Brent R Burklund, P.E.

MID-STATE

ENGINEERING & TESTING INC.

11 EAST 11TH STREET, KEARNEY, NE 68847

OFFICE: (308) 237-0187 FAX: (308) 237-9657

LOCATION OF CORES:

PROJECT: Hillcrest Subdivision

LOCATION: Broken Bow, Nebraska

CONTRACTOR: Myer's Construction

PROJECT #: 159-03-19

CONCRETE CORE TEST REPORT

1) North Loop Road, Sta 0+75, 4' Right of Centerline

2) North Loop Road, Sta 1+25, 4' Left of Centerline

3) North Loop Road, Sta 2+00, 9' Right of Centerline

		SPECIM	EN DATA			
FIELD NUMBER	1A	2A	3A			
DATE CAST	Unknown	Unknown	Unknown			
AGE WHEN TESTED, DAYS	Unknown	Unknown	Unknown			
LABORATORY NUMBER	CR-4	CR-5	CR-6			
DATE CORED	7/31/12	7/31/12	7/31/12			
DATE TESTED	8/1/12	8/1/12	8/1/12			
CORE LENGTH (in.) (cut)	5 15/16"	6 9/16"	5 13/16"			
CAPPED LENGTH (in.)	6 1/8"	6 5/8"	6 1/8"			
DIAMETER (in.)	3.93"	3.93"	3.93"			
LENGTH/DIAMETER RATIO	1.51	1.67	1.48			
AREA (sq in.)	12.13"	12.13"	12.13"			
UNIT WEIGHT (pcf)	139.9	134.6	140.7			
MAXIMUM LOAD (lbs.)	60,610	58,590	56,690			
COMPRESSIVE STRENGTH (psi)	5000	4830	4670			
CORRECTED COMPRESSIVE STRENGTH (psi)	4800	4690	4480			
	s to			REM	ARKS;	
			1) Original Le	ngth 6 1/4"		

- 2) Original Length 6 3/4"
- 3) Original Length 6"

ENGINEERING & TESTING, ING. Location Sta 0+75, 4' Right of Centerline	COMPACTION TEST REPORT TEST RESULTS Moi Material Content Cor Light Grey Brown Lean Clay W/ Rust Stains & Calcium Deposits Light Brown Lean Clay Light Brown Lean Clay W/ Rust Stains & Carbon Deposits	Moisture Content 18.0% 10.1%	Project: Location: Job No.: Date: Net Density 122.3 N/A 114.5	Den Den N/N	Broken Bow, Nebraska 159-03-19 7-31-12 / Max Compact sity Density Percents .6 105.0 99% A N/A N/A	Vebraska Compaction Percentage 99%
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