



City of Grand Junction, Colorado 81501

250 North Fifth St., 303 XXXXXX  
244-1554

RECEIVED March 26, 1981

MAR 27 1981

WATER QUALITY  
D. E.

Mr. Robert P. Gerlofs  
Paragon Engineering, Inc.  
2784 Crossroads Blvd.  
Suite 104  
Grand Junction, CO 81501

Dear Bob:

Re: Connection of Blue Heron Industrial Park Filing No. 2 to  
Manhole No. 30 of River Road Interceptor Sewer

As requested, I have reviewed the plan sheet and "Manhole Connection Details" for the above as submitted March 13, 1981, and have the following comments:

1. Plans in our office prepared by HDR show a flowline elevation of 4528.02 on the 54 inch Interceptor Sewer Manhole No. 30. Your plan shows a flowline elevation of "28.4". Using your flowline elevation of "28.4" and assuming the hydraulic gradient of the 12 inch sewer is at 0.8x diameter yields a minimum allowed flowline elevation of "31.2" for the 12 inch pipe.
2. The plan submitted March 13, 1981, shows a 10 inch pipe instead of the 12 inch proposed and agreed to in my office on March 10, 1981, I assume the 12 inch pipe is proposed.
3. The 8 inch stub pipes proposed in River Road should be plugged until they are extended for future use.

Plans should be submitted for approval for any extensions prior to construction of those extensions.

4. The enclosed letters of January 14, 1981, and February 5, 1981, and the attached two (2) details from HDR Engineers are our criteria for the details of connection to the Interceptor Sewer. The manhole (or pipe) must be core drilled. Another detail not shown but discussed with HDR is that the connecting pipe must be cut off flush with the inside of the Interceptor manhole or pipe and then sealed with an acceptable material to insure the sealed integrity of the Interceptor sewer and manholes. In the interest of time, I suggest you contact HDR directly concerning what sealing material(s) will be accepted and if your proposed method of

sleeving and sealing as shown on the detail furnished to me recently is acceptable. I definitely recommend against the elbow intrusion into the 54 inch Interceptor as shown on the detail.

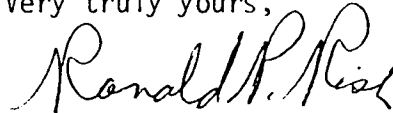
When the detail has been determined, it should be added to the construction plan sheet.

5. I assume the sewer sizes, invert elevations, and slopes proposed will be of adequate capacity and proper elevation to handle the anticipated design flows from the existing sewage treatment facility located on or near Lot 3 of Blue Heron Industrial Park-Filing No. 2. No estimated sewage flows or information on the sewage treatment facility were submitted to this office.
6. Add the following note to the plan sheet:

"All construction shall be in accordance with City of Grand Junction Standard Sanitary Sewer Details Drawing SS-1 and shall conform to City of Grand Junction Standard Specifications for Construction of Waterlines, Sanitary Sewers, Storm Drainage, and Irrigation Systems, 1981, and City of Grand Junction General Contract Conditions for Public Works and Utilities Construction GC-37, GC-50 and GC-65."

When the above comments have been addressed, submit the revised plan sheet for approval prior to construction.

Very truly yours,



Ronald P. Rish, P. E.  
City Engineer

RPR/hm

Enclosures

cc - District Engineer, Colorado Dept. of Health - w/encl. ✓  
Jim Franklin, HDR  
Jim Patterson, CBW  
Jim Patterson  
Ralph Sterry



City of Grand Junction, Colorado 81501

250 North Fifth St., 303 243-2633

March 27, 1981  
RECEIVED

MAR 31 1981

WATER QUALITY  
D. E. \_\_\_\_\_

Mr. Robert P. Gerlofs  
Paragon Engineering, Inc.  
2784 Crossroads Blvd. Suite 104  
Grand Junction, CO 81501

Dear Bob:

Re: Connection of Blue Heron Industrial Park Filing No. 2  
to Manhole No. 30 of River Road Interceptor Sewer

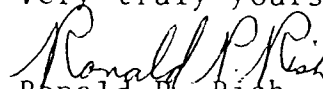
As requested, I have reviewed the revised plan sheet for the above as submitted today. I take no exception to the plan contents. All review comments of my letter of March 26, 1981, have been addressed and we have discussed item 4 with Jim Franklin. Please consider the plans approved by this office for construction.

Please notify us as soon as construction is complete and you are assured the City standards for such construction have been met. At that time our personnel will inspect the system. We would appreciate being contacted for the final inspection prior to the lines being activated for service.

Prior to acceptance of the system it is necessary to submit to the City Engineer "as-built" mylar plans bearing a professional engineer's seal and a certification by the engineer that the lines have been tested for infiltration and that infiltration does not exceed 200 gallons per inch diameter per mile per day.

Since the River Road Interceptor Sewer and the Interim Wastewater Treatment plant are still under construction, no lines connecting to the Interceptor may be activated until the City Public Works and Utilities Director has given approval.

Very truly yours,

  
Ronald P. Rish, P.E.  
City Engineer

RPR/hm

cc - District Engineer, Colo. Dept. of Health ✓  
Jim Franklin, HDR  
Jim Patterson, CBW  
Dick Hollinger  
Mac McGregor  
Jim Patterson  
Ralph Sterry  
File