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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Desert Development Company Mobile Home Park, 154 Unit Spaces  
Rock Springs, Wyoming
2. ARCHITECT OR ENGINEER: Kellogg & Kellogg AIA Architects, P.O. Box 1318  
Rock Springs, Wyoming 82901
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-51
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: April 30, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Noted on sewer laterals are 4" line sizes. We have discovered that this size line, even for mobile home court service is too small. Six inch (6") minimum diameter is the smallest which will function normally and is thus required. Verification of this change is requested.

2. Owner is required to secure applicable city and county permits prior to initiation of construction.

3. Refuse collection and disposal techniques were not addressed. State requirements stipulate covered container (or other acceptable on-site storage related to local collector requirements) and minimum once weekly pick-up. Also, disposal site must meet State environmental requirements. Use of an existing municipal or county site is strongly urged.

4. One hundred sq. ft./ space recreational area is required. However, if 100 sq. ft. of each unit space can be so considered, then this requirement can be considered met, although a central recreation and open area remains a desirable feature.

5. This approval is contingent on architect's satisfactory response to Mr. Hughes' review No. S73-26, dated April 27, 1973 whose comments become part of this review.

JRT: dac

cc: Board of County Commissioners, Courthouse, Green River, Wyoming  
Joe Sanna, Building Inspector, City of Rock Springs  
District Sanitarian, District I, Rock Springs  
Ed Bradley, State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Desert Development Corporation Mobile Home Park  
154 Unit Spaces, Rock Springs, Wyoming
2. ARCHITECT OR ENGINEER: A. W. Kellogg, Kellogg & Kellogg, P.O. Box 1318  
Rock Springs, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-11R
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: May 2, 1973
6. ACTION: Approved
7. COMMENTS:

Architect has submitted satisfactory responses to item 5 of subject review made on April 30, 1973.

JRT:ijt

cc: District Sanitarian, District I, Rock Springs  
Ed Bradley, State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Mobile Manor Trailer Park, approximately 53 unit spaces, Green River, Wyoming
2. ARCHITECT OR ENGINEER: Nelson Engineering, Consulting Engineers & Surveyors  
P.O. Box 365, Green River, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-52
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.\*
5. DATE OF REVIEW: April 30, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Key stop valve for individual water service is not clearly indicated whether it is a stop and waste valve. Such valves are prohibited. Enclosed is one of several approved type risers which work well.

2. Owner is required to secure applicable city building and utility connection permits prior to construction.

3. Engineer is requested to submit owner's name and address for the record.

4. A central recreational open area of 100 sq. ft. per unit space is desirable, although the oversize or individual unit spaces can be counted as this recreation area.

JRT:dac

cc: D. N. Evans, Street Commissioner, City of Green River, Wyoming  
District Sanitarian, District I, Rock Springs  
Ed Bradley, State Fire Marshal, Cheyenne

Enclosure: "True Temp" information card.

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: **Big Horn Processing Plant Waste Treatment Improvements, Lovell, Wyoming**
2. ARCHITECT OR ENGINEER: **None indicated; submitted by Mr. Stanley D. Lundberg, owner, R.F.D. Box 83H, Lovell, Wyoming 82431**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-53**
4. REVIEWING ENGINEER: **Robert H. Pinther, P.E.**
5. DATE OF REVIEW: **June 15, 1973**
6. ACTION: **Approval withheld pending compliance with the comments listed below**
7. COMMENTS:
  1. **Provide an accessible manhole which is at least 20-inches in diameter over the inlet and outlet of each anaerobic treatment tank. In order to retain heat in the tanks it is recommended that the manhole covers be insulated or be of the "double cover" type with an air space between.**
  2. **It is recommended that most of the blood be caught right at the point of Kill (by utilizing a plastic blood funnel) and that the "blood trap" be used as a grease trap.**
  3. **The stabilization pond should have an area of at least one acre. Note: Since some odor will occur especially for about 2 weeks in the spring the pond should be isolated from inhabited areas as much as possible.**
  4. **The inside banks of the stabilization pond should slope at 3 to 4 horizontal to 1 vertical. A 3 to 1 slope is satisfactory for the outside banks.**
  5. **The stabilization pond should be deep enough to allow for a water depth of at least 5 feet plus a 3 foot free board between the water surface and the top of the dike.**
  6. **The stabilization pond outlet device shall provide for subsurface withdrawal and for varying the pond operating levels in the range of 2 to 5 feet in depth. The outfall line shall not allow drainage of the pond below the 2 foot level.**
  7. **Details were not provided of the heating system for the anaerobic treatment tanks. No part of the heating system which is in contact with the anaerobic tank contents shall be heated to a temperature greater than 130°F.**
  8. **It may be necessary in the future to provide stirring devices in the anaerobic treatment tanks in order to increase their efficiency.**

RHP:dac

cc: District Sanitarian, District II, Worland, Wyoming  
John Nickle, 739 Montana Ave., Lovell, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Big Horn Processing Plant, Waste Treatment Improvements,  
Lovell, Wyoming

ARCHITECT OR ENGINEER: None indicated; plan submitted by Mr. Stanley  
Ludberg, owner, R.F.D. Box 61 R, Lovell, Wyoming

WATER QUALITY DIVISION REFERENCE NUMBER: WQ-518

REVIEWING ENGINEER: Frank E. Herman, P.E.

DATE OF REVIEW: October 30, 1973

ACTION: Construction Authorized.

COMMENTS: None

FEM:mp

cc: William George, District Sanitarian, Worland  
John Nickle, 737 Montana, Lovell, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Hillcrest Motel Swimming Pool, Evanston, Wyoming
2. ARCHITECT OR ENGINEER: May's Swimming Pool Company; 3695 South 2nd West,  
Salt Lake City, Utah 84115
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-54
4. REVIEWING ENGINEER: Roy E. Prior
5. DATE OF REVIEW: May 22, 1973
6. ACTION: Approved with Comments
7. COMMENTS:

1. Hose bibbs should be located so that a 50' hose can reach the whole pool area.
2. Water inlet from the City water system was not shown on the plans. If the pool is filled through the plumbing of the heater, filter, etc., then a backflow preventer must be used. If the pool is filled through a separate pipe, then the pipe should enter above the maximum possible water level of the pool with enough height to prevent possible backflow.

REP:ijt

cc: Mr. Richard Pendleton, 1725 Lincoln Highway, Evanston 82930  
D. H. Curtis, Curtis Engineers 366 South Fifth East St., S.L.C. 84102  
Ed Bradley, State Fire Marshal, Cheyenne  
District Sanitarian, Rock Springs

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Gordon Berrier Trailer Court, 3 unit spaces, Lyman, Wyoming
2. ARCHITECT OR ENGINEER: Submitted by Owner - Gordon Berrier, Lyman, Wyoming  
82937
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-55
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: April 30, 1973½
6. ACTION: Approved with Comments
7. COMMENTS:
  1. No specific detail of individual water and sewer connection has been shown. Enclosed are suggested approved types of connections. Stop and waste valves are prohibited.

JRT:ijt

Enclosure: Mobile Home Standards insert  
True Temp information

cc: Ed Bradley, State Fire Marshal, Cheyenne  
Enclosure: Gordon Berrier Trailer Court Plans, 73-55  
District Sanitarian, District I, Rock Springs  
Grant J. Walker, Town Clerk, Lyman, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: City of Evanston Golf Course Pump House, Evanston, Wyoming
2. ARCHITECT OR ENGINEER: Dale Crank, Johnson, Fermelia & Crank, Inc., Box 631 Kemmerer, Wyoming & Bert Phillips, City Engineer, P.O. Box 130, Evanston, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-56
4. REVIEWING ENGINEER: Roy E. Prior, Public Health Engineer
5. DATE OF REVIEW: May 7, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Drain on desander should be provided with some means to prevent a possible back flow from the sump. This could be accomplished by terminating the drain pipe above the top of the sump to allow free fall of the wastewater.

2. The well should have a sanitary well seal between the pump and casing to prevent possible flow of outside water back into the well.

3. After completion of construction the well and system should be disinfected with at least 50 ppm chlorine.

4. We suggest that before the water is used for any domestic use, a sample be sent to the State Laboratory for testing.

5. If and when the water is used in the city system we highly recommend that it be chlorinated.

REP:dac

cc: District Sanitarian, District I, Rock Springs, Wyoming  
Ed Bradley, State Fire Marshal, Cheyenne  
Bert Phillips, City Engineer, City of Evanston, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: **Dry Creek Wastewater Lines, Cheyenne, Wyoming**
2. ARCHITECT OR ENGINEER: **J. T. Banner & Associates, Inc., 500 East 18th  
Cheyenne, Wyoming**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-57**
4. REVIEWING ENGINEER: **Arthur E. Williamson, Frank R. Harman**
5. DATE OF REVIEW: **April 24, 1973**
6. ACTION: **Approved**
7. COMMENTS:

FRH:dac

cc: **Jim Brooks, EPA, Denver (with two (2) copies of project plans and specifications)**  
**Don Pack, District Sanitarian, Cheyenne - Laramie County Health Unit, Cheyenne**

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REVIEW OF PLANS AND SPECIFICATIONS

Environmental Quality  
WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
~~DIVISION OF HEALTH AND MEDICAL SERVICES~~  
SANITARY/ENGINEERING/SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: City of Cheyenne, Dry Creek Wastewater Lines, Addendum No. 1 and Executed Contracts, Cheyenne, Wyoming C 560095
2. ARCHITECT OR ENGINEER: Mr. Gene Hackleman, J. T. Banner & Associates, Inc., 500 East 18th Street, Cheyenne, Wyoming 82001
3. ~~SANITARY/ENGINEERING/SERVICES~~ WATER QUALITY DIVISION REF. NO.: 73-57R
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: July 5, 1973
6. ACTION: Approved
7. COMMENTS:

FRH:cw

cc: Ray Sherard, Superintendent, Cheyenne Board of Public Utilities, P.O. Box 1469,  
Cheyenne  
William Hornberg, EPA, Denver - Enclosures  
Don Pack, Director, Environmental Health, City-County Health Unit, Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: City of Cheyenne, Wyoming - City of Cheyenne Wastewater Treatment Plant  
Schematic Design - 1974

ARCHITECT OR ENGINEER: S. J. ... ..  
... ..

WATER QUALITY DIVISION REFERENCE NUMBER: 70-07

REVIEWING ENGINEER: Joseph ... ..

DATE OF REVIEW: August 1, 1974

ACTION: Reviewed for compliance with State Sanitary Construction  
Requirements. (See notes below)

COMMENTS:

NOTE: Technical review of plans for proposed project have, for the  
most part, been completed. Some State standards have  
been met. Specifications for this project at the time of  
this review are not yet completed. This construction  
authorization is, therefore, tentative and subject to  
similar authorization for all construction authorized  
pursuant to the specifications.

1-7-74

cc: Environmental Protection Agency, Denver, Colorado

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: City of Cheyenne specifications for Dry Creek Wastewater  
Treatment Plant, Federal Sewage Works Grant 0560095, Cheyenne,  
Wyoming

ARCHITECT OR ENGINEER: J.T. Banner & Associates, P.O. Box 550, Laramie,  
Wyoming 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 75-57MR

REVIEWING ENGINEER: Paul C. Schwieger, P.E.

DATE OF REVIEW: January 22, 1974

ACTION: Specs reviewed: Authorized for Construction

COMMENTS:

PCS: p  
1/22/74

cc: Ray Sherard, Superintendent, Cheyenne Board of Public Utilities,  
P.O. Box 1460, Cheyenne - Enclosure

EPA, Denver, ATTENTION William Hornberg, - Enclosure

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Lakeside Motel 11 Units, Water and Sewer Systems, Alpine (Lincoln County) Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by owner Dale Motzkus P.O. Box 102, Alpine, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-58
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: May 1, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Owner has not shown water and sewer pipe dimension or pipe materials. If plastic (PVC) water pipe is used, it must bear NSF stamp for potability.

2. Well is assumed to be an existing source. However, existence of proper registration with Wyoming State Engineer should be verified. Also following 50 ppm initial chlorine disinfection (1 pint "CLOROX" per 250 gallons water) a bacteriological sample should be obtained. Sample bottle will be sent under separate cover for use when water service is initiated.

3. Sizes of septic tanks and leach fields appear to be able to give reasonable assurances of good service. We would suggest closing the ends of the lines via a "loop" which if used could shorten the laterals slightly See Page 16 of sewer standards.

4. Cleanouts should be spaced at least in one location on each sewer line run from line in and motel in order to insure cleanability. Sewer lines must also run on tangent. Minimum size from building to septic tank must be 6"

5. Applicable local and Lincoln County permits must be secured prior to construction.

JRT:dac

cc: District Sanitarian, District I, Rock Springs  
J. Newell Sorenson, Lincoln County Planner, Courthouse, Kemmerer, Wyoming  
Richard G. Stockdale, State Engineer's Office, Cheyenne  
bcc: Don Wooden, Alpine Water and Sewer District, Box 24, Alpine, Wyoming

Enclosures: Sewer and Water Standards

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Webb Mobile Home Sites (8 units) at Ridge Road, Summit Drive, and Seidel Drive, Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; plans submitted by Johnnie L. Webb, owner; 3409 Carla Drive, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-59
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: April 30, 1973
6. ACTION: Not Approved, pending receipt of information on under-
7. COMMENTS: mentioned items.

I. WATER & SEWER LINES

Water and sewer lines shall be installed to be at least 10 feet apart horizontally.

II. DRAINFIELD

The ends of the drainfield lines should be tied together to operate more efficiently and to better advantage of the drainfield system.

III. WELL WATER SUPPLY

Indicate the type of pump to be installed.

No well pits are permitted except in cases where submersible pumps are used.

IV. SEWER CONNECTION DETAIL

A typical sewer connection showing all details shall be submitted for review.

FRE:ijt

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne  
Ed Bradley, State Fire Marshal, Cheyenne  
Enclosure: One copy of referenced plan.

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Webb Mobile Home Park, 8 unit spaces, Ridge Road and Summit Drive, Cheyenne
2. ARCHITECT OR ENGINEER: None indicated; plans submitted by Mr. Johnnie L. Webb, 3409 Carla Drive, Cheyenne
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-59R
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: May 18, 1973
6. ACTION: APPROVED
7. COMMENTS:

FRH:ijt

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne  
Ed Bradley, State Fire Marshal, Cheyenne  
Enclosure: One copy of APPROVED plans to be forwarded to the owner (see address above)

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Allison Trailer Park, 8 additional unit spaces to 67-123R  
Rock Springs (Sweetwater County) Wyoming
2. ARCHITECT OR ENGINEER: Johnson, Fermelia & Crank, P.O. Box 1633, Rock  
Springs, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-60
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: April 30, 1973
6. ACTION: Approved with comments
7. COMMENTS:

Approval of eight (8) additional site to the original nine (9) unit sites for the Allison Trailer Park is issued, based on a statement by owner that these eight (8) sites will duplicate the installation details as earlier submitted and approved for the twenty seven(27) unit "Spring View" Trailer Court #73-41.

JRT:dac

cc: District Sanitarian, District I, Rock Springs, Wyoming  
Ed Bradley, State Fire Marshal, Cheyenne  
Board of County Commissioners, Sweetwater County Courthouse,  
Green River, Wyoming (Attention Zoning Board)

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: City of Cheyenne - Preliminary Plans for 20 M.G.D. Water Treatment Plant, Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: J. T. Banner & Associates, Inc., Engineers and Architects, 500 East 18th Street, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-61
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: April 30, 1973
6. ACTION: Approved
7. COMMENTS:

FRH:ijt

cc: Ray Sherard, Superintendent, Board of Public Utilities, Cheyenne  
Don Pack, Sanitarian, City-County Health Unit, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: City of Cheyenne Construction Plans for 20 M.G.D. Water Treatment Plant, Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: J. T. Banner & Associates, Engineers & Architects  
500 East 18th Street, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-61R
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: May 31, 1973
6. ACTION: Approved
7. COMMENTS:

FRH: dac

cc: Ray Sherard, Superintendent, Board of Public Utilities, Cheyenne  
Don Pack, City-County Health Unit, Cheyenne

Enclosures: 1 set of approved plans

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: M & M Electric Company, Inc. Mobile Home Court, 10 Unit Spaces  
Green River, (Sweetwater County) Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by owner Jim D. McCartney  
President, M & M Electric Company, Inc. P.O. Box 805, Green River, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-62
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: May 2, 1973
6. ACTION: Approved with comments
7. COMMENTS:

This Department must indicate the marginal condition and the questionable adequacy of the water supply system planned to be utilized in serving the proposed facility. This approval does not indicate full Department approval of the water system. Rather we must indicate that further treatment and volume supply improvements to the water system must be met before the water system receives fully approved classification. We maintain reasonable assurance however, that bacteriological safety is adequate to protect the public health.

Owner is required to meet any applicable construction requirements imposed by the Rio Vista Homesites and Water Service and secure any applicable Sweetwater County permits.

JRT:dac

cc: District Sanitarian, District I, Rock Springs, Wyoming  
Board of County Commissioners, Sweetwater County Courthouse, Green River  
Mrs. Bernice Shedden, Rio Vista Homesites and Water Service, Box 392  
Green River, Wyoming  
Ed Bradley, State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: College Drive Mobile Home Park, 10 additional units (total 13 units) College Drive, Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; plans submitted by owner: Richard E. Williams, Rt. 1, Box 433, Cheyenne
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-63
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: May 18, 1973
6. ACTION: Approved
7. COMMENTS:

FRH:ijt

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne  
Ed Bradley, State Fire Marshal, Cheyenne  
Enclosure: One copy of plans stamped APPROVED to be forwarded to Richard E. Williams, owner

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: **Gualtieri Processing Plant Sewer-Septic-Drainfield System East of Newcastle, Weston County, Wyoming**
2. ARCHITECT OR ENGINEER: **Tri-State Company Consulting Engineers and Land Surveyors, Box 727, Newcastle, Wyoming 82701**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-64**
4. REVIEWING ENGINEER: **Frank R. Harman, P.E.**
5. DATE OF REVIEW: **May 9, 1973**
6. ACTION: **Approved with comments**
7. COMMENTS:
  - 1) **Separate disposition of paunch manure and whole blood shall be provided.**
  - 2) **It is recommended that the end of the drainfield lines be tied together for more efficient functioning of the system.**

FRH:dac

cc: **District Sanitarian, District III, Gillette, Wyoming**  
**Dr. K. W. Irvin, D.V.M., State Agriculture Department, 2219 Carey Ave.**  
**Cheyenne, Wyoming (With one set of plans)**  
**Joe Gualtieri, East of Newcastle, Newcastle Wyoming**

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

*Grand Teton National Park*

1. PROJECT: Modification to Sewage Treatment Facilities, Grand Teton National Park, Moose (Teton County) Wyoming
2. ARCHITECT OR ENGINEER: Caldwell, Richards and Sorenson, Inc., 118 1st Avenue Salt Lake City, Utah. Submitted by Charles W. Murray, Director, Air & Water Programs Division, Environmental Protection Agency, Denver, Colorado
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-65
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: May 4, 1973
6. ACTION: Reviewed for Compliance with State Standards
7. COMMENTS:

Essentially a full retention premise using acceptable state-of-the-art treatment (microstraining) and absorption beds, meets or exceeds State requirements for ultimate wastewater disposal.

It occurs to suggest the desirability in this water quality sensitive area to include an operation and maintenance provision for determining what, if any perched accretion, or change and/or trending alteration in groundwater quality will occur over the ensuing period of operation. Groundwater level is likely to be that of the Snake River, and any unabsorbed water will probably percolate rapidly to this level.

JRT:dac

cc:Glen Shults, Maintenance Supervisor, Grand Teton National Park, Moose, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Swimming Pool for Kings Inn, Torrington, Wyoming
2. ARCHITECT OR ENGINEER: Richard Warvi, Westgate, Inc., P.O. Box 1535, Bismarck, North Dakota 58501
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-66
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: May 7, 1973
6. ACTION: Approved With Comments
7. COMMENTS:

Provide a minimum of 10 feet depth of water below the diving board.

We are returning one set of plans to you marked "Approved with Comments".

FRH:ijt  
Enclosure

cc: Malcolm Crawford, District Sanitarian, Gillette  
Ed Bradley, State Fire Marshal, Cheyenne  
Enclosure: one set of plans marked "Approved with Comments"

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: **Kings Inn Swimming Pool, Torrington, Wyoming**
2. ARCHITECT OR ENGINEER: **Richard Warvi, Westgate Inc., P.O. Box 1535  
Bismarck, North Dakota 58501**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-66R**
4. REVIEWING ENGINEER: **Frank R. Harman, P.E.**
5. DATE OF REVIEW: **May 22, 1973**
6. ACTION: **Approved**
7. COMMENTS:

**FRH: dac**

**cc: District Sanitarian, District III, Gillette, Wyoming  
Ed Bradley, State Fire Marshal, Cheyenne, Wyoming**

*Book*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ~~HEALTH AND SOCIAL SERVICES~~ **ENVIRONMENTAL QUALITY**  
~~DIVISION OF HEALTH AND MEDICAL SERVICES~~  
~~SANITARY ENGINEERING SERVICES~~ **WATER QUALITY DIVISION**  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82002

1. PROJECT: King's Inn Swimming Pool, Torrington, Wyoming
2. ARCHITECT OR ENGINEER: Submitted by Richard Warvi, Westgate, Inc., P. O. Box 1535,  
Bismarck, North Dakota 58501
3. ~~WYOMING ENGINEERING SERVICE~~ **WATER QUALITY DIVISION** REF. NO.: 73-66RR
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: August 7, 1973
6. ACTION: Reviewed for Compliance with State Standards
7. COMMENTS:

FRH:cw

Enclosures - 2 copies Reviewed Plans and Specifications #73-66RR

cc: Malcolm Crawford, District Sanitarian, Gillette  
Ed Bradley, State Fire Marshal, Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

book

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Firebird Motel Swimming Pool, Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: Dave Hawes, Hawes Construction, 5430 Fossil Creek Drive, Fort Collins, CO 80521
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-67
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: May 7, 1973
6. ACTION: APPROVED
7. COMMENTS:

FRH:ijt

cc: Don Pack Sanitarian, City-County Health Unit, Cheyenne  
Ed Bradley, State Fire Marshal, Cheyenne  
Enclosure: One copy of APPROVED plans

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Pinedale; Sewer & Water Systems for Cooley Eighth and Ninth Additions; Pinedale, Wyoming
2. ARCHITECT OR ENGINEER: Robert A. Harrower, P.E.; Rio Verde Engineering; P.O. Box 67; Pinedale, Wyoming 82941
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-68
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: May 8, 1973
6. ACTION: Approved with Comments
7. COMMENTS:

1. Sewer and water lines shall have 10' horizontal separation. If impossible, water shall be 18" over sewer. If water must cross under sewer, sewer joints on either side of point of crossing shall be equidistant from point of crossing, and joints must be force main type-leakproof.
2. Manhole detail is not shown. Use any standard manhole detail and coordinate type with Town maintenance requirements to insure access, etc.
3. PVC water pipe required to carry National Sanitation Foundation stamp for potable use.
4. PVC sewer pipe must carry a minimum 1500 psf and 5% deflection under load crush strength. Adherence to ASTM D3034 is suggested for specifying thermoplastic sewer pipe, and ASTM D2321-67 for underground installation.

JRT:ijt

cc: Mrs. Jean B. Risser, Town Clerk, Pinedale  
District Sanitarian, District I, Rock Springs

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

book

1. PROJECT: Town of Pinedale, Sewer & Water Systems for Cooley Eighth & Ninth Additions, Pinedale
2. ARCHITECT OR ENGINEER: Mr. Robert A. Harrower, P.E., Rio Verde Engineering  
P.O. Box 67, Pinedale, Wyoming 82941
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-68R
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: May 31, 1973
6. ACTION: Approved with Comments
7. COMMENTS:

Comments made on review of May 8, 1973 remain applicable.

JRT:ijt

Enclosure: 1 set plans, 73-68R, stamped APPROVED WITH COMMENTS

cc: Mrs. Jean B. Risser, Town Clerk, Pinedale, Wyoming  
District Sanitarian, District 1, Rock Springs

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: **Galaxy Estates Luxury Mobile Home Park, 288 Unit Spaces, Laramie County, Wyoming**
2. ARCHITECT OR ENGINEER: **Plan submitted by Tom Purdew, President, Planning Services Inc., 3110 Old Faithful Road, Cheyenne, Wyoming**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-69**
4. REVIEWING ENGINEER: **Frank R. Harman, P.E.**
5. DATE OF REVIEW: **May 29, 1973**
6. ACTION: **Approved with comments**
7. COMMENTS:

1. Water and Sewer Crossings

Where water lines and sewers cross, the water line shall be above the sewer line with a vertical separation of 18 inches minimum.

2. Garbage Disposal

Garbage collection containers shall be provided to be located within 100 feet of each unit space.

3. No emergency toilet indicated. This may be provided in the office building.

FRH:dac

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne  
Ed Bradley, State Fire Marshal, Cheyenne (with one copy of Plans to be forwarded to Planning Services, Inc.)

Look

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Wyoming Recreation Commission - Keyhole Reservoir Sanitary Dump Station (Moosecroft, Crook County)
2. ARCHITECT OR ENGINEER: Plans by Wyoming Recreation Commission submitted by Malcolm D. Martin, Wyoming Recreation Commission; Cheyenne
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-70
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: May 29, 1973
6. ACTION: Approved
7. COMMENTS:

FRH:dac

cc: District Sanitarian, District III, Gillette, Wyoming

Returning one set of plans to Malcolm Martin, Wyoming Recreation Commission

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Western Recreation Corp. Red Arrow Campgrounds, Ocean Lake, WY
2. ARCHITECT OR ENGINEER: None indicated; submitted by Z. S. Merritt, Vice-President, Western Standard Uranium, Inc., Box 1760, Riverton, WY 82501
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-71
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: May 18, 1973
6. ACTION: NOT APPROVED
7. COMMENTS:
  1. Provide a scale of distances.
  2. Each unit space shall have its boundaries clearly defined and contain a minimum of 1,000 square feet.
  3. All trailer sites shall have a minimum width of 25 feet.
  4. Indicate the direction north on the plans.
  5. Indicate the location of the campground with respect to the nearest State or federal highway or other all weather road.
  6. All plastic water lines shall be of the non-toxic type, bearing the seal of approval of the National Sanitation Foundation.
  7. The Sanitary Station shall be constructed essentially as set forth on the enclosed sketch entitled: "Typical Sanitary Station". The concrete pod shall slope toward the sewer hatch; a long sweep ell or two 45° ells shall be provided at the base of the sewer riser; a water tower shall be provided to an elevation of at least six inches above the highest point to which water is to be delivered; the vacuum breaker shall be located in the water line at the top of the tower and on the discharge side of the last control valve; proper signs shall be provided.
  8. Show locations of water and sewer risers at each site.
  9. Each sewer service connection shall terminate at least four inches above the ground

Western Recreation Corp.  
Red Arrow Campgrounds  
Ocean Lake, Wyoming  
73-71

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May 18, 1973

10. Provide adequate night lighting.
11. Provide fly-tight and rust resistant refuse containers stabilized in the upright position within 100 feet of each unit space.
12. At water and sewer crossings the water shall be above the sewer with the bottom of the water pipe at least 18 inches above the top of the sewer pipe.
13. Provide a horizontal separation of at least 50 feet between the well and the closest buried sewer line.
14. Submit a complete description of the well. This should include depth, diameter, type and weight of casing, capacities of pump and pressure tank, water-tight seal at top of casing (sanitary seal recommended), etc.
15. Submit two water samples from this supply immediately for bacteriological examination and two per month while the campground is in operation. Our laboratory will send sterile containers for this purpose.
16. Submit a complete description of the outlet ponds and the outlet to Ocean Lake.
17. Locate manholes at maximum intervals of 400 feet.
18. Submit a description of manhole construction
19. Submit information on sewer grades and minimum depth.
20. Specify straight alignment of all sewer lines.
21. Provide a slop sink in the service building.
22. Specify that all plumbing shall be in compliance with the National Plumbing Code, ASA, A40.8-1955, or the local plumbing code, whichever is the more rigorous.
23. Each unit provided for tenting shall have a table and provisions for fire building.
24. Provide assurance that the treated sewage to be discharged to the lake shall not contain in excess of 30 ppm BOD, 30 ppm suspended solids, and 200 coliform organisms per liter.

Western Recreation Corp.  
Red Arrow Campgrounds  
Ocean Lake, Wyoming  
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May 18, 1973

NOTE: Since discharge of the treated sewage to the lake, any ditch or stream will require a discharge permit and regular analytical monitoring of the discharge, consideration might be given to the practicability of disposal of the treated effluent by evaporation or seepage in a satisfactory location.

25. Provide satisfactory fencing of the sewage treatment plant and polishing pond area.

RHP:ijt

Enclosure: "Typical Sanitary Station"

cc: William George, District Sanitarian, Worland

BOOK

REVIEW OF PLANS AND SPECIFICATIONS

ENVIRONMENTAL QUALITY  
WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001/ 82002

1. PROJECT: Western Recreation Corporation, Red Arrow Campgrounds  
Ocean Lake, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by Z. S. Merritt,  
Vice-President, Western Standard Uranium, Inc.  
WATER QUALITY DIVISION Box 1760, Riverton, Wyoming 82501
3. ~~SANITARY ENGINEERING SERVICES~~ REF. NO.: 73-71R
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: July 10, 1973
6. ACTION: Reviewed for Compliance with State Standards
7. COMMENTS:

The following items should receive your further attention:

1. As per our telephone conversation of July 10, 1973 with Mr. Roy Peck, it is our understanding that the following will be accomplished in order to comply with the standards of the Health Department.
  - a. The invert elevation of the polishing pond effluent line will be established at a point at least 2 feet above the pond bottom.
  - b. Appropriate signs will be provided at the sewage treatment area to designate the nature of the facility.
2. For ease in lifting it is recommended that the volume of the individual refuse containers be limited to 30 gallons.
3. It may be necessary to provide additional treatment of the sewage in the future in order to comply with the treated effluent standards of the Environmental Protection Agency. These are maximum allowable levels and consist of 30 parts per million suspended solids, 30 parts per million B.O.D., and 200 coliform organisms per 100 milliliters. These standards must be met by July 1, 1977

RHP:ijt

cc: Bill George, District Sanitarian, Worland

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Wyoming Highway Department, Thermopolis Sewer Line, Hot Springs County, Wyoming
2. ARCHITECT OR ENGINEER: W. G. Lucas, Wyoming Highway Department, Cheyenne
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-72
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: May 18, 1973
6. ACTION: Approval withheld pending compliance with the comments set forth below.
7. COMMENTS:
  1. Specify leakage tests. These tests shall include the manholes and shall not exceed 500 gallons per inch of pipe diameter per mile.
  2. The slopes provided between manholes #2 and #3 and from manhole #6 to station 24+18 (beyond manhole #9) are less than the minimum of 0.60% for 6 inch sewer and 0.40% for 8 inch sewer. Unless adjustments can be made to attain the minimum slope, it can be expected that regular flushing of the sewers will be necessary to prevent clogging with sewage solids.
  3. Please submit a copy of the "1971 Specifications" referred to in the specifications for this project.

RHP:ijt

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Wyoming Highway Department, Thermopolis Sewer Line, Hot Springs County, Wyoming
2. ARCHITECT OR ENGINEER: W. G. Lucas, Wyoming Highway Department, Cheyenne
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-72R
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: June 26, 1973
6. ACTION: Approved with Comment
7. COMMENTS:
  1. The slope provided between manholds Nos. 1 and 3 is less than the minimum of 0.60% for six inch sewer. Unless adjustments are made to attain this minimum slope, it can be expected that regular flushing of the sewers will be necessary to prevent clogging with sewage solids.

cc: Bill George, District Sanitarian, Worland

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

Book

1. PROJECT: Mills Mobile Home Park, (6 unit spaces shown on plan)  
Wilson, Teton County, Wyoming
2. ARCHITECT OR ENGINEER: Submitted by owner: Bill I. Mills, P.O. Box  
122, Wilson, WY 83014
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-73
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: May 17, 1973
6. ACTION: Approved with Comments
7. COMMENTS:
  1. Sanitary well seal is required on well. This system should get 50 ppm chlorine disinfection and a subsequent water sample prior to use. Quarterly sampling is subsequently required. Check with Rock Springs on unchlorinated supply listing. (50ppm chlorine is equal to 1 gallon "Clorox" per 1,000 gallons of water in the system.
  2. Owner is required to secure applicable Teton County permits prior to construction.
  3. Owner should exercise extreme care in laying grades on leach system. If a low end results, leach system can easily fail at that point. The looped system is excellent.
  4. Any PVC or plastic water line used must carry the seal of approval of the National Sanitation Foundation.
  5. Plastic sewer line which meets ASTM D 3034 will perform satisfactorily. If other is used, a 1500 psf crush strength is a minimum requirement to insure bedding integrity.
  6. Septic tanks are required to have inlet/outlet "tees" to prevent solids carryover.

JRT:ijt

cc: John C. Moyer, Teton County Subdivision Office, P.O. Box 1727,  
Jackson  
District Sanitarian, Rock Springs (Attention for water sampling)  
State Fire Marshal, Cheyenne

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Campbell County Multi-Service Recreation Center, Preliminary Plans, Gillette, Wyoming
2. ARCHITECT OR ENGINEER: Bob South, Gorder/South, AIA Architects, 410 South Poplar, Casper
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-74
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: May 29, 1973
6. ACTION: Approved as Preliminary Plans
7. COMMENTS:

Final approval withheld until working drawing and specifications are recieved and reviewed by this office.

FRH:ijt

cc: Malcolm Crawford, District Sanitarian, Gillette  
Ed Bradley, State Fire Marshal, Cheyenne  
Enclosure: One Copy of Preliminary Plans

Look

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: **Hartz Mobile Home Village, 15 Unit Spaces, 818 South Greeley Highway, Cheyenne, Wyoming**
2. ARCHITECT OR ENGINEER: **None indicated; submitted by Ronald O. Hartz owner 3715 Victoria Drive, Cheyenne, Wyoming 82001**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-75**
4. REVIEWING ENGINEER: **Frank R. Harman, P.E.**
5. DATE OF REVIEW: **May 29, 1973**
6. ACTION: **Not approved pending receipt of compliance with undermentioned items.**
7. COMMENTS:

1) Garbage Disposal

The two (2) incinerators are not adequate for the mobile home park. Provide garbage cans with tight fitting lids to be located no further than 100 feet from any unit space.

2) Water and Sewer Crossings

Where water lines and sewers cross, the water line shall be above the sewer with a vertical separation of at least 12 inches.

3) Lighting

Adequate lighting shall be provided. The single light as proposed seems insufficient for the whole park.

FRH:dac

cc: Don Pack, City County Health Unit, Cheyenne

*book*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Hartz Mobile Home Park - 15 Unit Spaces, 818 South Greeley Highway  
Cheyenne, Wyoming 82001
2. ARCHITECT OR ENGINEER: Submitted by owner Ronald O. Hartz, 3715 Victoria  
Drive, Cheyenne, Wyoming 82001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-75R
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: June 6, 1973
6. ACTION: Approved
7. COMMENTS:

FRH: dac

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne, Wyoming  
Ed Bradley, State Fire Marshal, Cheyenne, Wyoming

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
ENVIRONMENTAL SURVEILLANCE & CONTROL SERVICES  
STATE OFFICE BUILDING  
Cheyenne, WY 82001

1. PROJECT: Central Wyoming College Activities Center, Riverton, Wyoming
2. ARCHITECT OR ENGINEER: Krusmark & Krusmark, AIA, Architects, Casper, Wyoming
3. ENVIRONMENTAL SURVEILLANCE & CONTROL REF. NO.: 73-76
4. REVIEWED BY: Robert H. Pinther, P.E. and Robert L. Coffman, Director, Env. Surveillance & Control Serv. (C)
5. DATE OF REVIEW: 7/2/73
6. ACTION: APPROVAL WITHHELD PENDING RECEIPT OF INFORMATION INDICATING COMPLIANCE WITH THE COMMENTS LISTED BELOW.
7. COMMENTS:

Plumbing

- 1) Identify the National Plumbing Code specified by number as "ASA A40.8-1955".

Food Service Area

- 1) Locker and/or clothes provisions for employees not indicated; facilities not indicated.
- 2) Inadequate storage area provided proximal to restrooms.  
Note: Long area designated as "storage" does not indicate type of storage shelves; ventilation not indicated either area.
- 3) Booster heater, pressure control device and gauge not noted by dishwashing machine (control to be set so as not to exceed 20 psi).
- 4) Shelving unit (K-48) should not be located at either side of dishwashing room particularly if pass-thru is located on left side.
- 5) HIA-4, 6 should include requirement of compliance with the Minimum Standards Governing Food Service Establishments.
- 6) If hard ice cream is served, dip well (with running water) is required for K-23.
- 7) Removable filters should be of a size that is easily run thru dishwashing machine for cleaning.

RHP/RLC/ei

cc: Bill George, District Sanitarian  
Worland, Wyoming

Book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Husky Car-Truck Stop, Effluent Line, East Flaming Gorge Road, Rock Springs, Wyoming (Sweetwater County)
2. ARCHITECT OR ENGINEER: Johnson, Fermelia & Crank, Inc., P.O. Box 1633 Rock Springs, Wyoming 82901
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-77
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 1, 1973
6. ACTION: Approved with comments
7. COMMENTS:
  1. Depth of pipe bury is not shown. This effluent line will be much more sensitive to freezing than common sewer lines, and as such some attention will be required on this facet.
  2. Maximum high water at outfall joint should be carefully considered with regard to the technique of outfall and erosion protection.
  3. Owner is advised to follow-up on securing NPDES (Federal permit to discharge wastewater) if not already executed. Information on this can be obtained from Mr. Jim Shaw, Environmental Protection Agency, Region VIII, 1860 Lincoln Street, Suite 900, Denver, Colorado 80203. Telephone 303-837-4901 or forms can be obtained from this office.

JRT: dac

cc: District Sanitarian, District I, Rock Springs, Wyoming  
Robert L. Milne, Construction Engineer, Husky Oil Company, 404  
North 31st Street, Billings, Montana 59101

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Scoop Shovel Trailer Park (56 Unit Spaces) and Overnight Campground (24 Unit Spaces) Uinta County, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by owner, Kilburn I. Porter P.O. Box 547, Evanston, Wyoming 82930
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-78
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 1, 1973
6. ACTION: Not approved
7. COMMENTS:

1. Water System

a) Source is not shown. Sanitary details sufficient to protect public health are required. Enclosed are State Standards which will assist owner in this.

b) Material and sizes, valve locations on water are not shown. A system of this size must benefit from engineering water analysis to insure a workable system. If plastic line is to be used, it must bear National Sanitation Foundation stamp for potability.

c) Water system will require initial 50 ppm chlorine disinfection, and later routine chlorination is strongly urged. Minimum once quarterly samples must be submitted (to Rock Springs or Cheyenne).

d) Typical individual water connection is required. Stop and waste drain valves are not permitted.

2. Sewer System

a) Dimension pipe diameter(s) and pipe material is required submitted. 6" main sewer is smallest permissible size although it is permitted to use 4" for individual connections.

b) Manholes are required at changes in direction, substituted in part by cleanouts (lampholes) if desired, profile, or at least some idea of sewer slopes are required.

c) No indication of treatment is shown. If a lagoon, it shall be built per attached standards.

d) Individual typical sewer connections shall be shown.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Scoop Shovel Trailer Park (56 Unit Spaces) and Overnight Campground (24 Unit Spaces) Uinta County, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by owner, Kilburn I. Porter P.O. Box 547, Evanston, Wyoming 82930
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-78
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 1, 1973
6. ACTION: Not approved
7. COMMENTS:

3. General

- a) Unit space sizes are not shown. These shall be itemized per State Standard sizes or drawing. A "Typical" unit is acceptable for both residential and campground use.
- b) Service building shall provide numbers of fixtures units require in Mobile Home Standards, Page 8.
- c) A travel trailer sanitary dump station is strongly recommended.
- d) Owner is required to meet applicable county regulations on this facility. This would include provision of the necessary information specified in this review prerequisite to Department approval.
- e) A facility of this complexity and magnitude in order to work at all properly, needs the benefit of serious engineering expertise and design approaches. This assistance is strongly urged. The layout is understandable and well put but does not approach the technical detail required.
- f) Refuse collection (minimum once weekly) and an approved disposal site will be required specified.

JRT:dac

cc: District Sanitarian, District I, Rock Springs  
J. Newell Sorenson, Secretary, Uinta County Planning Commission P.O.  
Box 389, Kemmerer, Wyoming

Enclosures: Mobile Home Standards w/ insert, Lagoon Standards, "True Temp" Card

Look

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Scoop Shovel Trailer Park (56 Unit Spaces) and Overnight Campground (24 Unit Spaces) Uinta County, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by owner, Kilburn I. Porter P.O. Box 547, Evanston, Wyoming 82930
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-78R
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 13, 1973
6. ACTION: Approved with comment
7. COMMENTS:

Owner has taken prompt and commendable action to respond to comments made in this agency's review of June 6, 1973 subject as above. Based on this, and the detailed content of the response, this agency then feels that owner has sufficient direction to execute a workable facility. This approval to proceed however is contingent on receipt, by this Agency, of a final plat, and also contingent on the owner's readiness to incorporate any changes coming out of a review of that final plat.

JRT:dac

cc: District Sanitarian, District I, Rock Springs, Wyoming  
J. Newell Sorensen, Lincoln/Uinta County Planner, Box 389, Kemmerer  
Ed Bradley, State Fire Marshal, Cheyenne

Book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Jackson Hole Golf and Tennis Club Estates Addition, Water & Sewer Improvements, Jackson (Teton County) Wyoming
2. ARCHITECT OR ENGINEER: Christian, Spring, Sielback & Associates, Civil Engineering and Land Surveying & Photogrammetric Engineering 2020 Grand Avenue, Unit 3, Billings, Montana 58102
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-79
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 1, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Engineer and his client are urged to reevaluate the integrity of the wastewater treatment plant. The plant will be additionally loaded to full capacity. As such it could constantly pose a chronic potential for less than secondary treatment and for resultant receiving water degradation potential, if any element or aspect of the plant were to be incapable either from mechanical or manpower/operational standpoints. We find this does often occur in our inspections and takes applied engineering to prevent.

Enclosed are standards identifying federal 1972 standards for secondary treatment, and which by virtue of a permit requirement, will soon have to be proven to be met by such facilities.

A single extended aeration plant without such ancillary treatment as a polishing pond, perhaps reevaluation of post chlorination and closely supervised daily operation, will probably not meet these standards. Further, information on the NPDES (Federal permit) can be obtained from this office or Jim Shaw, Environmental Protection Agency, Region VIII, 1860 Lincoln Street, Suite 900, Denver, Colorado 80203, Telephone No. 303-837-4901.

2. We acknowledge in a discussion the engineer's indication that extensive infiltration correction work will be done on the collection and outfall system. This effort is also instrumental to the optimum design operation of the wastewater treatment plant.

3. Separation of water/sewer lines shall be per Ten States' Standards. e.g. 10" horizontal or water over sewer 18" or if impossible sewer over water

REVIEW OF PLANS AND SPECIFICATIONS

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: **Jackson Hole Golf and Tennis Club Estates Addition, Water & Sewer Improvements, Jackson (Teton County) Wyoming**
2. ARCHITECT OR ENGINEER: **Christian, Spring, Sielbach & Associates, Civil Engineering, Land Surveying & Photogrammetric Engineering, 2020 Grand Ave. Unit 3, Billings, Montana 58102**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-79**
4. REVIEWING ENGINEER: **Joseph R. Tynsky, P.E.**
5. DATE OF REVIEW: **June 1, 1973**
6. ACTION: **Approved with comments**
7. COMMENTS:

and sewer shall be force main in vicinity of crossings.

4. A double check to determine what, if any, federal lands are involved should be made in order to satisfy any applicable environmental assessment criteria.

JRT: dac

cc: Robert L. Coffman, Director, Environmental Surveillance & Control Services,  
Wyoming Department of Health and Social Services

Verne Johnson, Executive Vice President, Grand Teton Lodge Company,  
Jackson Lake Lodge, Moran, Wyoming 83013

T. J. Wirth, Wirth Associates, Architects and Landscape Architects,  
Billings, Montana

John C. Moyer, Teton County Subdivision Office, Courthouse, Jackson  
Wyoming 83001

bcc: Glen Shults, Maintenance Superintendent, Grand Teton National Park,  
Box 67, Moose, Wyoming 83012

cc: District Sanitarian, District I, Rock Springs, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Jackson Hole Golf and Tennis Club Estates Addition, Water and Sewer Improvements, Jackson (Teton County) Wyoming

ARCHITECT OR ENGINEER: Christian, Spring, Sielbach & Associates, 2020 Grand Avenue, Unit 3, Billings, Montana 59102

WATER QUALITY DIVISION REFERENCE NUMBER: 73-79

REVIEWING ENGINEER: Joseph R. Tynsky, P.E.

DATE OF REVIEW: November 14, 1973

ACTION: Reviewed for compliance with Design Standards.  
Construction authorized.

COMMENTS:

1. The sanitary sewer investigation and sealing efforts which resulted in the conclusions on page 19 of the report indicate significant success in addressing this facet of the system operation. We appreciate the opportunity to review this work.

It occurs to mention an aspect of treatment efficiency, having seen the wastewater treatment plant with your Mr. Ken Pollard on August 9, 1973. Good secondary treatment and a clear effluent were being realized then, as we are sure from lack of sewage solids in the receiving stream, indicates normal conditions. However, the very small receiving stream below the effluent point indicates nutrient eutrophication in the form of algae mats several feet in length. This condition indicates the nutrient burden on pristine water, and suggests a look at more than secondary treatment. We have indicated and encouraged such measures as spray irrigation, ground disposal or possibly tertiary treatment in areas where receiving streams are low flow or otherwise sensitive to any degradation. This premise also addresses the 1985 National "no pollutant discharge" goal. At any rate, we would urge the client and his engineer consider this aspect of treatment. We, of course, offer any assistance possible in this matter.

JRD:ap

cc: Robert Coffman, US & CS, DESS  
Vern Johnson, Grand Teton Lodge Company, Jackson Lake Lodge, Moran  
T. J. Wirth, Wirth Associates, Billings Montana  
John C. Moyer, Teton County Subdivision Office, Jackson  
District Sanitarian, District 1, Rock Springs

blind cc: Glen Shults, Grand Teton National Park, Box 67, Moose, Wyo.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Jackson Hole Golf and Tennis Club Estates, Preliminary Plans for Sanitary Sewer System Expansion, Jackson

ARCHITECT OR ENGINEER: Christian, Spring, Sielbach & Associates, 2020 Grand Ave., Unit 3, Billings, Montana 59102

WATER QUALITY DIVISION REFERENCE NUMBER: 73-79R

REVIEWING ENGINEER: Paul C. Schwieger, P.E. *PSA*

DATE OF REVIEW: November 26, 1974

ACTION: Authorized to proceed with final design plans contingent upon meeting comments below.

COMMENTS:

- A. Design flow should be 36,600 gallons per day.
- B. B.O.D.<sub>5</sub> loading should be anticipated at 0.21 lb. per person per day.
- C. The plant shall meet 1977 discharge requirements.
- D. The polishing pond following the extended aeration plant does not require lining, however, a recirculation system from the polishing pond back to the extended aeration plant should be installed.
- E. Land ownership of the discharge ditch should be established and written approval secured.

PCS:jk  
11-27-74

cc: John G. Moyer, Teton County Zoning Officer, Jackson  
Phillip Hughes, MPH, Western Regional Supervisor, P. O. Box 747, Rock Springs, Wyo.

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Sweetwater County Garage Sewage Disposal System, Green River, Wyoming
2. ARCHITECT OR ENGINEER: Johnson, Fermelia & Crank, Inc., Ed Fermelia  
P.O. Box 1633, Rock Springs
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-80
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: May 31,,1973
6. ACTION: Approved with Comments
7. COMMENTS:

We hesitate to abrogate State Standards and approve the 4" outfall sewer to the septic tank. However, the limited use indicates a special case and it should work with reasonable assurance.

It occurs to suggest checking with the Town of Green River for the formality of approval of this type of system in Town, if it does lie in the Town limits and does come under any applicable Town zoning requirements.

JRT:ijt

cc: District Sanitarian, District 1, Rock Springs

Book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Hayter Enterprises, Mobile Home Park, Hot Springs County, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by Mr. Glen Hayter, P.O. Box 848, Thermopolis, Wyoming 82443
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-81
4. REVIEWING ENGINEER: Robert M. Pinther, P.E.
5. DATE OF REVIEW: June 15, 1973
6. ACTION: Not Approved
7. COMMENTS:
  1. Submit plans showing details of typical individual water and sewer connections. See figures 4 and 5 of enclosed sketches.
  2. Indicate material of construction of water and sewer lines and size of sewer lines located upstream from the manhole.  
NOTE: Plastic water lines shall be specified to be of the non-toxic type bearing the seal of approval of the National Sanitation Foundation.
  3. Specify that the bottom of the water lines shall be at least 18 inches above the top of sewer lines at crossings.
  4. Provide adequate night lighting.
  5. Provide all-weather walkways to each unit.
  6. Provide fly-tight, rust resistant refuse containers in adequate numbers and stabilized in the upright position within 100 feet of each unit space.
  7. Specify that all plumbing shall conform to the National Plumbing Code ASA, A40.8-1955.
  8. Provide a separation of at least 25 feet between each mobile home, and the curb line of any public street or highway.
  9. The mobile home park grounds shall be well drained.

RHP:ijt

Enclosure: Mobile Home Standards insert

cc: Bill George, District Sanitarian, Worland  
State Fire Marshal, Cheyenne

1500/k

REVIEW OF PLANS AND SPECIFICATIONS

ENVIRONMENTAL QUALITY  
WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001 82002

1. PROJECT: Hayter Enterprises, Mobile Home Park, Hot Springs County Wyoming
2. ARCHITECT OR ENGINEER: None Indicated; submitted by Mr. Glen Hayter  
P.O. Box 848, Thermopolis, Wyoming 82443  
WATER QUALITY DIVISION
3. ~~SANITARY ENGINEERING SERVICES~~ REF. NO.: 73-81R
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: July 6, 1973
6. ACTION: Reviewed for Compliance with State Standards
7. COMMENTS:

As per our telephone conversation of July 6, 1973 with Mr. Hayter it is understood that the following will be incorporated in the plans for this facility:

1. The refuse containers will be stabilized in the upright position within 100 feet of each unit space.
2. A separation of at least 25 feet will be provided between each mobile home and the curb line of any public street or highway.

RHP:ijt

cc: Bill George, District Sanitarian, Worland  
State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Double K Ranch, Inc., Warm-Up Feedlot, 400 animal unit size Wheatland (Platte County), Wyoming
2. ARCHITECT OR ENGINEER: Submitted by Owner: Kim J. Krueger, Double K Ranch, Inc., McFadden, Wyoming 82080
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-82
4. REVIEWING ENGINEER: Arthur E. Williamson, M.S., P.E. & Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 6, 1973
6. ACTION: Approved with Comments
7. COMMENTS:

Together with Arthur E. Williamson's site evaluation of the proposed facility, this Agency has analyzed the aspects of this facility with respect to its potential for causing any water quality effect or general environmental degradation. In summary, we feel that the owner has carefully addressed attention to every conceivable aspect and has indicated levels of control and operation management sufficient to give this Agency reasonable assurance that all aspects have been adequately considered.

It occurs to stress the importance of insuring that drainage from the stock area be carefully analyzed with respect to its potential for causing undesirable flooding of work areas. The drain pit site, if not initially constructed (quoted "as needed") should be permanently set aside, and preferably given some hydraulic design attention to insure that most runoff waters will remain in that designated sump.

JRT:ijt

cc: Ken Sturman, Wyoming Department of Agriculture, Cheyenne  
Mike McNamee, Agricultural Engineer, University of Wyoming, Laramie  
Del Landen, Platte County Agent, Wheatland

Book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Korkow Trailer Court Addition, 23 Unit Spaces, Red Hill Subdivision, Hanna, Wyoming
2. ARCHITECT OR ENGINEER: Peter Goodall, Johnson, Fermelia & Crank, Inc.  
Rm. 211, Carbon County Courthouse, Rawlins, WY
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-83
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 8, 1973
6. ACTION: Approved with Comments
7. COMMENTS:
  1. Owner is required to secure applicable Town building permits, and meet any local requirements in addition to State requirements.
  2. Engineer indicates that existing park of approximately 20 spaces is marginally operable. Inasmuch as new spaces will be connected to new water/sewer lines, and no overload will occur, then the existing and new addition should give reasonable assurance of good operation.
  3. Enclosed is a catalog cut of one of several acceptable freeze-proof water risers.
  4. PVC water line must bear National Sanitation Foundation stamp of approval for potable water use.
  5. PVC sewer pipe is best specified for such use by ASTM D1784 (materials), ASTM D3034 (strength) and ASTM D2321-67 (Underground Installation of Thermoplastic Sewer Pipe)
  6. Owner will be required to show all utilities for State Fire Marshal Review.

JRT:ijt  
Enclosure

cc: District Sanitarian, District 1, Rock Springs  
Robert Korkow, Owner, Hanna, Wyoming  
Ed Bradley, State Fire Marshal  
Enclosure: One set plans, ref. #73-83

Look

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

- 1. PROJECT: **Tennsqualf Inc., Blacks Fork Trona Project, Shaft Water Disposal Facilities, Green River (Sweetwater County) Wyoming**
- 2. ARCHITECT OR ENGINEER: **Helson Engineering, Consulting Engineer and Surveyor P.O. Box 1141, Jackson, Wyoming**
- 3. SANITARY ENGINEERING SERVICES REF. NO.: **73-84**
- 4. REVIEWING ENGINEER: **Joseph A. Tynsky, P.E.**
- 5. DATE OF REVIEW: **June 8, 1973**
- 6. ACTION: **Preliminary Plan & Report Approved with Comment**
- 7. COMMENTS:

1. It occurs to restate my verbal comment for the Engineer to initiate early coordination with the U.S.G.S. (United States Geological Survey) for the purpose of determining what, if any environmental assessment determinations need to be made, what if any federal land requirements may have to be met and general overall federal agency coordination. A local contact on this is:

Arna Hatilla  
District Mining Supervisor  
United States Geological Survey  
P.O. Box 1170  
Rock Springs, Wyoming 82901  
Telephone - 362-7390

- 2. It is recognized that hard and fast design figures of impoundment sizes, evaporation, spray rates, and actual ultimate water amounts are difficult to clearly identify at this stage. However, we feel that the Engineer has done an excellent job of promulgating an apparently verifiable rationale, utilizing a flexible stage - construction - oriented premise. Based on these facts, this Agency would have reasonable assurance to state that the premises is sound and support its further investigation
- 3. We wish to obtain Wyoming Game and Fish Commission reaction to this plan also, inasmuch as that Agency is close to the problems associated with these types of waste disposal in this area. We will therefore send these plans to Game & Fish and request any comments they may have, for transmittal to you.
- 4. We are inclined to favor the implementation of an investigation into geologically oriented groundwater effects which might occur. Of particular concern is the potential for impounded water with a hydrostatic head to travel long

REVIEW OF PLANS AND SPECIFICATIONS

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: **Texagulf, Inc., Blacks Fork Trons Project, Shaft Water Disposal Facilities, Green River (Sweetwater County) Wyoming**
2. ARCHITECT OR ENGINEER: **Nelson Engineering, Consulting Engineer and Surveyor  
P.O. Box 1141, Jackson, Wyoming**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-84**
4. REVIEWING ENGINEER: **Joseph E. Tynock, P.E.**
5. DATE OF REVIEW: **June 3, 1973**
6. ACTION: **Preliminary Plan & Report Approved with Comment**
7. COMMENTS:  
**distances from the point of impoundment, whether this lined impoundment or the sprayfield, would contribute to this situation would be worth further serious investigation.**

JRT: dac

cc: District Sanitarian, District I, Rock Springs, Wyoming  
Robert Hillis, Wyoming Game & Fish Commission, Lander, Wyoming  
Arne Mattila, District Mining Supervisor, U.S.G.S., P.O. Box 1170  
Rock Springs, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: West Winds Motel, Swimming Pool, 1670 Devar Drive, Rock Springs
2. ARCHITECT OR ENGINEER: Plan Submitted by Paul Anselmi, owner, West Winds Motel, Box 1257, Rock Springs. Plans drawn by InterMountain Aquatèch Pools, Salt Lake City, UT
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-85
4. REVIEWING ENGINEER: Roy E. Prior
5. DATE OF REVIEW: June 13, 1973
6. ACTION: Not Approved
7. COMMENTS:

In the shallow end of the pool depth, steps and seats are not clearly shown. We would like to see a better detail of the profile view of the shallow end. This detail should include slope of the area, and dimensions, location of the safety rope with respect to the steps and exact location and depth of steps and seats.

Also, consideration should be given to special markings for the visibility of the underwater steps and seats.

REP:ijt

cc: Phillip Hughes, District Sanitarian, Rock Springs  
Ed Bradley, State Fire Marshal, Cheyenne  
Enclosure: One set plans

*book*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: **Town of Encampment, Encampment Chlorination System, Encampment, Wyoming**
2. ARCHITECT OR ENGINEER: **Forrest M. Kepler, P.E., J. T. Banner & Associates, P.O. Box 550, Laramie, Wyoming 82070**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-36**
4. REVIEWING ENGINEER: **Joseph R. Tynsky, P.E.**
5. DATE OF REVIEW: **June 11, 1973**
6. ACTION: **Approved**
7. COMMENTS:

Consulting Engineer has obviously taken time and trouble beyond the ordinary scope of design engineering to produce a most acceptable specification for subject facility.

In order to adequately address the letter and intent of the specifications, the Consultant should perform resident engineering supervision over this work both regarding delivery and installation of specified items.

JRT:dac

cc: Mayor Max Harrington, Town of Encampment, Town Hall, Encampment, Wyoming  
District Sanitarian, District 1, Rock Springs, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Jackson, Correct Infiltration & Upgrade Existing Wastewater Treatment Plant, Phase I, Jackson, Wyoming
2. ARCHITECT OR ENGINEER: R. D. Connell, R. D. Connell & Associates, Inc.  
P.O. Box 1010, Riverton, Wyoming 82501
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-87
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 14, 1973
6. ACTION: APPROVED
7. COMMENTS:

There exists an alternative for infiltration correction via the use of pipe liners, where such existing lines, by virtue of structural and alignment integrity, may permit.

Engineer should request the current wage determinations from Region VIII, Environmental Protection Agency

JRT:ijt

cc: Environmental Protection Agency, Region VIII  
District Sanitarian, District I, Rock Springs

Chook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH/AND/SOCIAL/SERVICES  
DIVISION OF HEALTH/AND/MEDICAL/SERVICES  
SANITARY/ENGINEERING/SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001 82002

1. PROJECT: Town of Jackson Upgrade Existing Wastewater Treatment Plant Phase I  
(Infiltration correction shifted to Phase II)
2. ARCHITECT OR ENGINEER: R. D. Connell & Associates, Inc., P.O. Box 1010  
Riverton, Wyoming 82501  
WATER QUALITY DIVISION
3. ~~SANITARY/ENGINEERING/SERVICES~~ REF. NO.: 73-87R
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: July 20, 1973
6. ACTION: Reviewed for compliance with design standards
7. COMMENTS:

Note: Review covers "Specifications for Additions and Correction to Existing Sewage Treatment Plant"

JRT:dld

cc: Environmental Protection Agency, VIII  
Mayor Lester May, Town of Jackson, P.O. Box 1607, Jackson, Wyoming 83001

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Activated Sludge Plant, Subdivision to serve 5,000 population, Rock Springs (Sweetwater County), Wyoming
2. ARCHITECT OR ENGINEER: Carl R. Reinke, P.E., Associate, Stevens, Thompson, & Runyon, Inc., Engineers/Planners, P.O. Box 02201 Portland, Oregon 97202
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-88
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 14, 1973
6. ACTION: Approved with Comments
7. COMMENTS:

The technical presentation is actually well beyond a preliminary premise and indicates that significant engineering expertise is being applied to the waste treatment problem, to the extent of this Agency having reasonable assurance that the facility will acceptably operate.

It occurs to stress the environmental importance of addressing sludge handling and disposal procedures to the extent that downwind nuisances will not occur. Wyoming Air Quality Standards address odor nuisance specifically. Standards are enclosed.

Engineer should, if not yet done, explore NPDES permit to discharge pre-requisite with Mr. Jim Shaw, Environmental Protection Agency Region VIII, Denver, Colorado (Telephone -- 303-837-3961)

Enclosed is a copy of "Secondary Treatment Information" against which effluent standards must be considered.

JRT:ijt

Enclosures: Two (2) copies of "Approved" summary of design criteria  
Secondary Treatment Information  
Wyoming Air Quality Standards

cc: Board of County Commissioners, Sweetwater County, Courthouse, Green River, Wyoming  
Ed Fermella, County Engineer, Johnson, Fermella & Crank, Inc.  
P.O. Box 1633, Rock Springs  
District Sanitarian, District 1, Rock Springs

Book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ~~HEALTH AND SOCIAL SERVICES~~ ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION ~~HEALTH AND MEDICAL SERVICES~~  
~~SANITARY ENGINEERING SERVICES~~  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING ~~82001~~ 82002

- 1. PROJECT: White Mountain Village Sewerage Facilities, 1440 Living Units, Rock Springs, Wyoming
- 2. ARCHITECT OR ENGINEER: Stevens, Thompson & Runyon, Inc., Engineers, P. O. Box 02201, Portland, Oregon 97202
- 3. WATER QUALITY DIVISION ~~SANITARY ENGINEERING SERVICES~~ REF. NO.: 73-88R
- 4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
- 5. DATE OF REVIEW: July 16, 1973
- 6. ACTION: Reviewed for Compliance with Design Standards
- 7. COMMENTS:

- 1. Owner/Engineer should restudy the bypass. This Department strongly urges its elimination. Two alternatives would be:
  - 1) Provide terminal pond storage at the end of the bypass outfall, permanently disconnecting the outfall.
  - 2) Provide emergency standby pump capacity for dewatering the lift station wetwell and removing the bypass.

The alternative of putting the bypass into the polishing pond was suggested, but resultant raised manholes in street areas would be prohibitive.

- 2. Owner/Engineer is required to secure any applicable State (for highway crossing); County; or City permits, and meet any applicable building codes.
- 3. Owner/Engineer is required to secure a Federal National Pollutant Discharge Elimination System (NPDES) permit to discharge from this facility. This will ultimately entail periodic BOD<sub>5</sub>, Total Suspended Solids, pH, and fecal coliform monitoring and reporting to insure plant adherence to secondary treatment standards, copy of which has been submitted earlier.
- 4. A glazed light is required in the access door to the chlorine room.

JRT:cw  
Enclosures - 2 sets plans

cc: Robert King, District Manager, Pacific Power & Light Co., P.O. Box 1200, Rock Springs  
District Sanitarian, Rock Springs  
Wayne Johnson, P.E., City Engineer, Rock Springs  
Sweetwater County Board of Commissioners, Court House, Green River

Look

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Indian Paintbrush Subdivision, Water Supply and Distribution System  
for 17/18 initial lots, Teton County, Wyoming
2. ARCHITECT OR ENGINEER: Nelson Engineering, Consulting Engineer and Surveyor  
P.O. Box 1141, Jackson, Wyoming 83001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-89
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 14, 1973
6. ACTION: Approved with comments
7. COMMENTS:
  1. Engineer and/or client is required to secure applicable Teton County zoning and building permits prior to construction of subject system, and prior to execution of individual lot construction.
  2. Engineer/or owner is required to contact Wyoming Public Service Commission for utility determination.
  3. 50 ppm initial disinfection shall be conducted and initial and quarterly thereafter bacteriological sampling executed through the Rock Springs office.

JRF:dac

cc: John C. Moyer, Teton County Planner, P.O. Box 1727, Jackson, Wyoming  
District Sanitarian, District I, Rock Springs, Wyoming  
Frank Rauchfuss, Utilities Director, Wyoming Public Service Commission

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Construction of Water Facilities, Indian Paintbrush Subdivision,  
Teton County, Wyoming

ARCHITECT OR ENGINEER: Nelson Engineering, 157 W. South Street, Jackson,  
Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 73-89RR

REVIEWING ENGINEER: Robert H. Pinther, P.E. *RHP*

DATE OF REVIEW: July 7, 1975

ACTION: Construction not authorized pending compliance with the comments set forth below.

COMMENTS:

This review covers the following:

- 1) Specifications for construction of water facilities at Indian Paintbrush Subdivision.
- 2) Plans for water main extensions in two areas identified as:
  - a) Lodgepole Trail; lots 6, 7, and 8 and
  - b) Callahan; lot 1. and properties owned by Jack McNeely, William Wallace, Ivan Brix and Alice Biestman.
1. Submit profiles of all the proposed extensions.
2. To assure a minimum pressure of 10 psi at all times to operate the chlorinator it is recommended that additional elevation be provided between the spring overflow and the chlorinator.
3. Terminate the distribution system blowoffs at least 6 inches above the spill of the receiving ditches.
4. Specify that all surface and/or outrapping ground water will be diverted away from the spring at least 25 feet upgrade from the spring.
5. Specify that the spring area shall be higher than the surrounding area and shall be graded to drain at the minimum practical velocity.
6. The following shall be accomplished in connection with the water storage reservoir.
  - a. Remove the air relief and vacuum breaker valve from the reservoir vent.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Construction of Water Facilities, Indian Paintbrush Subdivision,  
Teton County, Wyoming

ARCHITECT OR ENGINEER: Nelson Engineering, 157 W. South Street, Jackson  
Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 73-89RR

REVIEWING ENGINEER: Robert H. Pinther, P.E.

DATE OF REVIEW: July 7, 1975

ACTION: Construction not authorized pending compliance with the comments set  
forth below:

COMMENTS: (Con't)

- b. Locate the reservoir at an elevation which will allow maintenance of enough pressure at the chlorinator to operate this unit.
  - c. If practical, avoid even partial burial of the metal reservoir. The bottom of the reservoir should be placed at normal ground surface. Where the bottom must be below normal ground surface, it should be placed above the ground water table. The top of the reservoir should not be less than two feet above the normal ground surface.
  - d. If the reservoir must be partially buried, provide a substantial water resistant coating on the exterior of the buried portion.
  - e. Provide a method of draining and flushing the reservoir.
  - f. All chlorinated water shall, both now and in the future, pass through the storage tank prior to delivery to the water distribution system. There shall be no method by which the storage tank can be bi-passed.
7. The solution for disinfecting the distribution system shall have an initial strength of at least 50 ppm available chlorine and shall produce at least 25 ppm in the system after 24 hours.
8. Provide control valves in the distribution system at intervals of no greater than 1000 feet.

RHP/lav  
July 28, 1975

cc: John C. Moyer, Box 1727, Jackson, Wyoming  
Phillip Hughes, District Sanitarian, P.O. Box 1153, 131 E. Railroad,  
Green River, Wyoming

Jare's Copy

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Construction of Water Facilities, Indian Paintbrush Subdivision, Teton County

ARCHITECT OR ENGINEER: Nelson Engineering, P.O. Box 1141, Jackson, Wyoming

WATER QUALITY DIVISION REFERENCE NUMBER: 73-89RRR

REVIEWING ENGINEER: Robert H. Pinther, P.E. *Robert H. Pinther*

DATE OF REVIEW: 10-9-75

ACTION: Construction not authorized pending compliance with the comments set forth below.

COMMENTS:

This review covers; (1) plan sheet #2-5-99-72 revised, but not so identified, to include a fire hydrant and plan and profile views of the water main in the area identified as "Callahan" on sheet "add 1-1-99-72", (2) drawing no. 5-5-99-72 revised, but not so identified, to include a means of draining the steel storage tank and (3) a letter dated 8-14-75 from Mr. Frank Grimes directed to the reviewing engineer.

Also, the reviewing engineer was informed by telephone on 10-6-75 that the water storage tank will be completely buried to avoid freezing.

1. Due to the fact that a buried tank will eventually leak due to corrosion, the proposal to provide a buried steel storage tank is not acceptable.

2. To assure satisfactory operation of the chlorinator under all hydraulic conditions such as pipe friction loss, spring water level fluctuations, etc. provide sufficient static water head at the chlorinator to assure the availability of the manufacturer's minimum operating pressure of 10 psi at the chlorinator at all times.

3. Specify that all surface and out-cropping ground water will be diverted away from the spring at least 25 feet upgrade from the spring.

4. Specify that the ground surface at the spring will be graded to drain at the minimum practical velocity and that there will be no low ground which will allow water to puddle on the ground surface within 50 feet of the spring.

RHP:lac  
10-9-75

cc: John C. Moyer, Box 1727, Jackson, Wyoming  
Phillip O. Hughes, District Sanitarian, P.O. Box 1153, Green River, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

book

1. PROJECT: Stoddard Trailer Court, 6 unit spaces, Mountain View, Uinta County, Wyoming
2. ARCHITECT OR ENGINEER: Submitted by owners, Wilford and Myrtle Stoddard, P.O. Box 205, Mountain View, Wyoming 82939
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-90
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 14, 1973
6. ACTION: Approved with Comments
7. COMMENTS:
  1. Enclosed is a series of information with respect to accepted water and sewer connections. Note that stop and waste valves are not approved. The "True-Temp" water riser is one of several efficient pieces of equipment to use.
  2. Plastic water line if used, must bear the National Sanitation Foundation stamp of approval for use in potable water systems.
  3. PVC sewer is indicated used. It must meet the following standards for structural strength and in placement integrity.

ASTM D 3034  
ASTM D 1784  
ASTM D 2321

Individual house lines can be four (4) inches however.
  4. City sewer system is shown to be used. Owner is required to obtain applicable permits from Uinta County and local sewer company prior to construction. Local sewer plant is substandard. Owner is advised that early corrections to this system are shortly to be required.
  5. A water sample from Stoddard well No. 14945 shall be initially taken, and periodically thereafter at quarterly intervals. Test service is available at the Rock Springs office. Reports should be filed permanently for Agency review, and for showing at annual inspections.
  6. Refuse storage on site is acceptable as proposed. Collection shall be at least once weekly, and disposed of at community refuse

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Stoddard Trailer Court, 6 unit spaces, Mountain View, Uinta County, Wyoming
2. ARCHITECT OR ENGINEER: Submitted by owners, Wilford and Myrtle Stoddard, P.O. Box 205, Mountain View, Wyoming 82939
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-90
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 14, 1973
6. ACTION: Approved with Comments
7. COMMENTS: Continued

disposal site. This site is presently substandard and is shortly to be required improved, probably at a cost to the user.

7. This is an extremely well-thought-out facility, and should provide a most acceptable living area for Mountain View.

JRT:ijt

Enclosures: True Temp card  
Insert for Mobile Home Standards

cc: District Sanitarian, Rock Springs  
J. Newell Sorenson, Lincoln/Uinta County Planner, Courthouse, Kemmerer  
Mountain View Sewer Improvement Association, Mountain View, Wyoming  
Attention J. Caldwell Dykes  
Ed Bradley, State Fire Marshal, Cheyenne  
Enclosure: One copy "Approved with Comments" plans

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Ideal Trailer Court Water & Sewer Line Plan and Sewer Profile, Masek Addition, Mills, Wyoming
2. ARCHITECT OR ENGINEER: Frank Luers, P.E., Western Engineers-Architects, Inc., 2111 East 2nd, Casper, Wyoming 82601
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-91
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: June 18, 1973
6. ACTION: Approved with Comments
7. COMMENTS:
  1. Provide inspection by an engineer of this construction.
  2. No specifications were submitted. As per our telephone conversation on June 15 with Mr. Frank Luers of Western Engineers-Architects, the following will be included in the plans:
    - a. The water line will be class 150 six inch cast iron.
    - b. The water line will be layed strictly in accordance with American Water Works Standard (C600-64) for Installation of Cast-Iron Water Mains.
    - c. At locations where the water line crosses a sewer construction will be in accordance with the standards set forth in the enclosed excerpt (Section 8.43 Crossings) from the "Recommended Standards for Water Works of the Great Lakes-Upper Mississippi Board of State Sanitary Engineers.
    - d. The water line will be disinfected in accordance with one of the procedures set forth in the enclosed excerpt from the AWWA Standard (C601-68) for Disinfecting Water Main. The sewer line will be layed strictly in accordance with the "Specifications for Municipal Sewer Improvement, Kapranis Addition, which were approved by this Department on April 24, 1973.

RHP:ijt  
Enclosures (2)

cc: Nix Anderson, Casper-Natrona County Health Department, Casper

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: **Boy Scouts of America, Great Salt Lake Council, Hoback Junction, Jackson Hole Wyoming, Shower Facility at Canoe Base**
2. ARCHITECT OR ENGINEER: **None indicated; submitted by B.S.A., Mr. Don L. Gray  
Director, Support Services, Boy Scouts of America  
Great Salt Lake Council, 525 Foothill Drive, Salt Lake City, Utah**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-92**
4. REVIEWING ENGINEER: **Roy E. Prior, Public Health Engineer**
5. DATE OF REVIEW: **June 13, 1973**
6. ACTION: **Not approved**
7. COMMENTS:

Due to the possibility of human waste and bacteria from the human body in the shower waste, placing of the wastewater into the ground is not adequate treatment. Some form of treatment must be provided. Enclosed is a copy of the "Minimum Standards for Private Sewage Disposal Systems."

REP:dac

Enclosure

cc: District Sanitarian, District I, Rock Springs, Wyoming

*Book*

Telephone 307 777-7391

August 2, 1973

Mr. Don L. Gray, Director, Support Services  
Great Salt Lake Council  
Boy Scouts of America  
525 Foothill Drive  
Salt Lake City, Utah 84113

Dear Mr. Gray:

Subject: Great Salt Lake Council, B.S.A.  
Shower Facility at Canoe Base  
Hoback Junction  
Jackson Hole, Wyoming  
73-92R

We are interested in your plans for the Canoe Base on the Snake River. At the present time these plans are not approved by this office.

Our concern is not only for the size of the tank but the location of tank and leach field in respect to buildings, wells, waterlines, and streams or waterways. These minimum distances can be found in your copy of the "Minimum Standards for Private Sewage Disposal System".

To comply with State Standards we would need to see a set of plans showing the exact location of the system in the camp.

We suggest that an extra cleanout be placed ahead of the septic tank to allow you the option of pumping your wastes from the portable latrines into the tank.

If we can be of assistance in this matter, please contact us.

Sincerely,

Roy E. Prior, Engineer-in-Training  
Water Quality Division

REP:cw

cc: District Sanitarian, District I, Rock Springs  
E. C. Burrows, District Ranger, Targhee National Forest, Pallsades  
Ranger District, Rexburg, Idaho 83440

bsok

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Lyman KOA Campground Swimming Pool, and As Built 36 unit space Campground. Lyman, Wyoming
2. ARCHITECT OR ENGINEER: Custom Pools; 701 E. Excelsior Avenue; Hopkins, Minnesota 55343. Owner: S. Clark Anderson; Box 304; Lyman, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-93
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 25, 1973
6. ACTION: Approved with Comments
7. COMMENTS:
  1. Owner has submitted a campground layout which meets or exceeds State Standards for Campgrounds. As such, this approval covers the initial facility, thus giving the campground an approved stature.
  2. Several comments regarding the pool are in order.
    - a. A test technique for determining pool chlorine residual (usually maintained at or about 0.4 parts per million) and pH (maintained in range of 7.2 to 7.6) is required implemented. Records should be kept.
    - b. Periodic (at least quarterly) bacteriological samples should be run. Please notify Cheyenne office when pool use begins so that a regular schedule of sample containers can be sent.
    - c. A four (4) foot walkway is required around pool perimeter. Pool deck will probably equate this.
    - d. This is an overall excellently designed system.

JRT:ijt:

cc: District Sanitarian, Rock Springs  
S. Clark Anderson, Lyman KOA, Box 304 Lyman  
J. Newell Sorensen, County Planner, Lincoln and Uinta Counties  
P.O. Box 389, Kemmerer  
Ed Bradley, State Fire Marshal, Cheyenne  
Enclosure

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

back

1. PROJECT: City of Casper, Sanitary Sewer Main, Sage Knolls, Casper
2. ARCHITECT OR ENGINEER: Worthington, Lenhart, Carpenter & Ladd, Inc.  
632 South David  
Casper, Wyoming 82601
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-94
4. REVIEWING ENGINEER: William L. Garland
5. DATE OF REVIEW: June 15, 1973
6. ACTION: Approved
7. COMMENTS:

WLG:ijt

cc: Roel K. Stratton, Superintendent  
Casper Board of Public Utilities  
136 West 8th Street  
Casper, Wyoming 82601

Book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Rock Springs Mobile Home Court Addition, 37 Additional Spaces  
5020 Springs Drive, Rock Springs, Wyoming
2. ARCHITECT OR ENGINEER: Owner, Jelco, Inc., 1919 W.N. Temple, P.O. Box 22074 AMF  
Salt Lake City, UT 84122; Engineer, Johnson, Fermelia  
& Crank, Inc., P.O. Box 1633, Rock Springs.
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-95
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 18, 1973
6. ACTION: Approved with Comments
7. COMMENTS:

Owner-Engineer shall alter applicable segments of drain field if percolation rate is found to exceed the 15 min/inch indicated.

Comments made on October 13, 1972 of original layout remain generally applicable.

Concern is expressed regarding the ability to retain the integrity of a soil absorption system when facilities become significant in size. When such systems are used for approximately 85 unit spaces each of which generates essentially high household levels of wastewater volume, an alternate wastewater treatment system (or connection) is urged at earliest date.

JRT:ijt

Enclosure: One set "Approved with Comments" plans

cc: District Sanitarian, District 1, Rock Springs

Ed Bradley, State Fire Marshal, Cheyenne

Enclosure: One set "Approved with Comments" plans

Bozh

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Johnston's Trailer Court, 17 Unit Spaces, Mills, Wyoming (Natrona County)
2. ARCHITECT OR ENGINEER: None indicated; submitted by Mr. Walter F. Johnston, 515 4th Avenue, Box 58, Mills, Wyoming 82644
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-96
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: June 18, 1973
6. ACTION: Approved with comment
7. COMMENTS:

1. Provide a minimum four (4) foot separation between the water and sewer service risers.
2. If plastic water pipe is used it shall be of the non-toxic type bearing the seal of approval of the National Sanitation Foundation.
3. It is understood that the sewer will be at least 18 inches below the water lines at all crossings.

RHP:dac

cc: Mix Anderson, Casper-Natrona County Health Department, Casper, Wyoming  
Ed Bradley, State Fire Marshal, Cheyenne, Wyoming  
Town of Mills, P.O. Box Drawer T, Mills, Wyoming 82644

7-10-73

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: City of Casper, Sanitary Sewer Extension, Block J, South Addition, Casper, Wyoming
2. ARCHITECT OR ENGINEER: Submitted by Roel K. Stratton, Superintendent, Casper Board of Public Utilities, 136 West 8th Street, Casper, Wyoming. Plan by Engineers Worthington, Lenhart & Carpenter, Inc., Casper
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-97
4. REVIEWING ENGINEER: Arthur E. Williamson, P.E.
5. DATE OF REVIEW: June 19, 1973
6. ACTION: Approved
7. COMMENTS:

AEW:cw

cc: Worthington, Lenhart & Carpenter, Inc., Casper  
Casper-Natrona County Health Department - Nix Anderson, Casper

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

1. PROJECT: Buckendorf Trailer Park, 20 units, Eden, Sweetwater Co., Wyoming
2. ARCHITECT OR ENGINEER: Submitted by owner: Erven E. Buckendorf  
P.O. Box 28  
Eden, Wyoming 82926
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-98
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 19, 1973
6. ACTION: Not Approved (Primarily on basis of item #5.)
7. COMMENTS:

1. The specific area of square feet in the leach line(s) is not clear. From the plan it looks as if there are two (2) lines, each about 12 feet long. Based on our estimates, each leach system, using a three (3) foot wide trench with a perforated pipe, would require not less than 60 lineal feet of leach line, preferably 100 feet to provide a safety factor.
2. Septic tanks should have a "tee" outlet to prevent solids carry-over into leach line.
3. PVC water main requires National Sanitation Foundation stamp for potable use.
4. Initial 50 ppm chlorine disinfection is required. Initial, and quarterly thereafter, water samples will be required tested. Service is available at the Rock Springs office or Cheyenne.
5. Water source, volume and storage, and details are not shown. An estimate of peak hourly water demand has been estimated here to show about 4 gallons per minute times 20 units is approximately 80 gallons per minute or 4800 gallons available through flow and storage to serve a one hour peak demand. This element of design is essential to a workable facility. Enclosed water standards may be of assistance in this matter. Additional information on this will be reviewed as soon as it is sent, so that owner will not be delayed. Inasmuch as the layout appears very good, it would appear that the facility should be acceptable, provide the water question is answered satisfactorily.

JRT:ijt

Enclosures: Water Standards  
Sewer Standards

cc: District Sanitarian, District 1, Rock Springs  
Ed Bradley, State Fire Marshal, Cheyenne  
Sweetwater County Board of County Commissioners, Green River

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001

book

1. PROJECT: Town and Country Trailer Park, 20 additional units  
Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: Plan submitted by owner: R. G. McDonald, Rt.  
#3, Box 43, Brighton, Colorado 80601
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-99
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: June 27, 1973
6. ACTION: Not approved, pending receipt of undermentioned items:
7. COMMENTS:

I Garbage Disposal

There are insufficient numbers and locations of garbage collecting systems. The minimum required should be such that garbage containers be no further than 100 feet from any unit spaces.

II Water and Sewer Crossings

Where water and sewer lines cross the water should be above the sewer with a vertical separation of at least 12 inches between the two.

III Park Lighting

Adequate park lighting shall be provided.

FRH:ijt

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne  
Ed Bradley, State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

ENVIRONMENTAL QUALITY  
WYOMING DEPARTMENT OF ~~HEALTH/AND/SOCIAL/SERVICES~~  
~~DIVISION/OF/HEALTH/AND/MEDICAL/SERVICES~~  
~~SANITARY/ENGINEERING/SERVICES~~  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001 82002

1. PROJECT: Town and Country Trailer Park - 20 Additional Units, Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: Plan submitted by owner; R. G. McDonald, Route #3 Box 43, Brighton, Colorado  
WATER QUALITY DIVISION
3. ~~SANITARY/ENGINEERING/SERVICES~~ REF. NO.: 73-99<sup>R</sup>
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: July-10, 1973
6. ACTION: Reviewed for compliance with State requirements
7. COMMENTS:

FRH:djd

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne  
Ed Bradley, State Fire Marshal, Cheyenne

book

REVIEW OF PLANS AND SPECIFICATIONS

ENVIRONMENTAL QUALITY  
WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
DIVISION OF HEALTH AND MEDICAL SERVICES  
SANITARY ENGINEERING SERVICES  
STATE OFFICE BUILDING  
CHEYENNE, WYOMING 82001 82002

1. PROJECT: Chief Washakie Recreation Center Sewerage System and Water Mains, Fremont County, Wyoming
2. ARCHITECT OR ENGINEER: Richard Gertberger, R. D. Connell & Associates  
P.O. Box 1010, Riverton, Wyoming
3. WATER QUALITY DIVISION  
SANITARY ENGINEERING SERVICES REF. NO.: 73-100
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: July 6, 1973
6. ACTION: Reviewed for Compliance with Acceptable Sanitary Engineering Standards
7. COMMENTS:
  1. Material used to surround the PVC sewer pipe should be stable soil with a maximum particle size of 1/2 inch. (See ASTM Designation: D2321-67)
  2. At the end of the 24 hour disinfecting period, the chloring residual in the water mains should be at least 25 parts per million.
  3. Due to the expected presence of algae in the effluent from this treatment facility, the treated effluent may not comply with the suspended solids standards of the Environmental Protection Agency. These standards must be met no later than July 1, 1977.

RHP:ijt

Enclosures: Two copies Plans and Specifications

cc: Bill George, District Sanitarian, Worland