



TOWN OF JACKSON PLANNING & BUILDING DEPARTMENT

TRANSMITTAL MEMO

Town of Jackson

- ☒ Public Works/Engineering
- ☐ Building
- ☐ Title Company
- ☒ Town Attorney
- ☐ Police

Joint Town/County

- ☐ Parks and Recreation
- ☐ Pathways
- ☐ Housing Department

Teton County

- ☐ Planning Division

- ☐ Engineer
- ☐ Surveyor- *Nelson*
- ☐ Assessor
- ☐ Clerk and Recorder
- ☐ Road and Levee

State of Wyoming

- ☐ Teton Conservation
- ☐ WYDOT
- ☐ TC School District #1
- ☐ Game and Fish
- ☐ DEQ

Federal Agencies

- ☐ Army Corp of Engineers

Utility Providers

- ☐ Qwest
- ☐ Lower Valley Energy
- ☐ Bresnan Communications

Special Districts

- ☐ START
- ☐ Jackson Hole Fire/EMS
- ☐ Irrigation Company

| | |
|---|---|
| Date: July 13, 2021 | REQUESTS: The applicant is submitting a request for a Sewer Connect located at 1040 E. Evans Rd., legally known as PT. LOT 7 & PT. LOT 4 & PT. NE1/4SW1/4, SEC. 3, TPW. 39, RNG. 116 , PIDN: 22-39-16-03-1-00-011 For questions, please call Brian Lenz 733-0440 x1410 or email to the address shown below. Thank you. |
| Item #: P21-181 | |
| Planner: Katelyn Page Phone: 733-0440 ext. 1302 Email: kpage@jacksonwy.gov | |
| Owner: WYDOT 1040 E. Evans Jackson, WY 83001 Applicant: Bob Hammond -WYDOT 1040 E. Evans Jackson, WY 83001 | |
| Please respond by: August 3, 2021 (with Comments) | |

RESPONSE: For Departments not using Trak-it, please send responses via email to:
btlenz@jacksonwy.gov



PLANNING PERMIT APPLICATION
Planning & Building Department

150 E Pearl Ave. | ph: (307) 733-0440
P.O. Box 1687 | www.townofjackson.com
Jackson, WY 83001

For Office Use Only

Fees Paid _____ Date & Time Received _____
Application #s _____

Please note: Applications received after 3 PM will be processed the next business day.

PROJECT.

Name/Description: WYDOT Affordable Housing
Physical Address: 1040 E Evans Road, Jackson WY 83001-6401
Lot, Subdivision: _____ PIDN: 22-39-16-03-1-00-011

PROPERTY OWNER.

Name: Tory Thomas - WYDOT District 3 Phone: (307)352-3000
Mailing Address: 3200 Elk Street \ Rock Springs, WY ZIP: 82902
E-mail: tory.thomas@wyo.gov

APPLICANT/AGENT.

Name: Bob Hammond - WYDOT District 3 Phone: (307) 732-9602
Mailing Address: 1040 E Evans, Jackson, WY ZIP: 83001
E-mail: bob.hammond@wyo.gov

DESIGNATED PRIMARY CONTACT.

☒ Property Owner ☐ Applicant/Agent

TYPE OF APPLICATION. Please check all that apply; review the type of application at www.townofjackson/200/Planning

Use Permit

☐ Basic Use
☐ Conditional Use
☐ Special Use

Physical Development

☐ Sketch Plan
☐ Development Plan
☐ Design Review

Interpretations

☐ Formal Interpretation
☐ Zoning Compliance Verification

Relief from the LDRs

☐ Administrative Adjustment
☐ Variance
☐ Beneficial Use Determination
☐ Appeal of an Admin. Decision

Subdivision/Development Option

☐ Subdivision Plat
☐ Boundary Adjustment (replat)
☐ Boundary Adjustment (no plat)
☐ Development Option Plan

Amendments to the LDRs

☐ LDR Text Amendment
☐ Map Amendment

Miscellaneous

☒ Other: Sewer Connection
☐ Environmental Analysis

PRE-SUBMITTAL STEPS. To see if pre-submittal steps apply to you, go to www.townofjackson.com/200/Planning and select the relevant application type for requirements. Please submit all required pre-submittal steps with application.

Pre-application Conference #: _____ Environmental Analysis #: _____
Original Permit #: _____ Date of Neighborhood Meeting: _____

SUBMITTAL REQUIREMENTS. Please ensure all submittal requirements are included. The Planning Department will not hold or process incomplete applications. Partial or incomplete applications will be returned to the applicant. Go to www.townofjackson.com/200/Planning and select the relevant application type for submittal requirements.

Have you attached the following?

X **Application Fee.** Fees are cumulative. Go to www.townofjackson.com/200/Planning and select the relevant application type for the fees.

n/a **Notarized Letter of Authorization.** A notarized letter of consent from the landowner is required if the applicant is not the owner, or if an agent is applying on behalf of the landowner. Please see the Letter of Authorization template at <http://www.townofjackson.com/DocumentCenter/View/845/LetterOfAuthorization-PDF>.

X **Response to Submittal Requirements.** The submittal requirements can be found on the TOJ website for the specific application. If a pre-application conference is required, the submittal requirements will be provided to applicant at the conference. The submittal requirements are at www.townofjackson.com/200/Planning under the relevant application type.

Note: Information provided by the applicant or other review agencies during the planning process may identify other requirements that were not evident at the time of application submittal or a Pre-Application Conference, if held. Staff may request additional materials during review as needed to determine compliance with the LDRs.

Under penalty of perjury, I hereby certify that I have read this application and associated checklists and state that, to the best of my knowledge, all information submitted in this request is true and correct. I agree to comply with all county and state laws relating to the subject matter of this application, and hereby authorize representatives of Teton County to enter upon the above-mentioned property during normal business hours, after making a reasonable effort to contact the owner/applicant prior to entering.

Signature of Property Owner or Authorized Applicant/Agent

Name Printed

Date

Title

WYDOT SEWER CONNECTION

1040 E Evans Road, Jackson, WY 83001

Engineer's Report

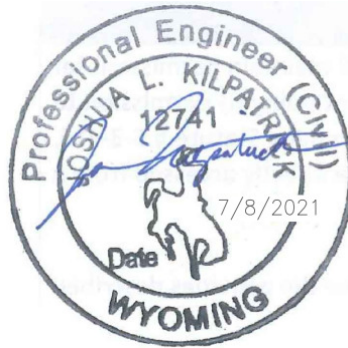
Application for a Connection and Use Agreement for Water and Sewer Services

SUBMITTED TO:

TOWN OF JACKSON

PLANNING DEPT.

TOJ PROJ. #: _____



NELSON ENGINEERING
JACKSON, WY

July, 2021

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INTRODUCTION/PROJECT NARRATIVE

This engineering report provides information regarding the sewer connection for the proposed Wyoming Department of Transportation (WYDOT) affordable housing facility, located at 1040 E Evans Road (PIDN: 22-39-16-031-00-001). This property is currently going through the Teton County Zoning Map Amendment process and the Connection and Use Agreement for Water and Sewer Services application is dependent upon the zoning map amendment approval from the County. The existing WYDOT facility is already hooked into the Teton County School District's (TCSD) sewer system for Munger Mountain Elementary, which has a final connection to the Town of Jackson (TOJ) wastewater collection system and treatment plant. An agreement between TOJ, TCSD and WYDOT for sewer connection of the existing WYDOT facility was entered into on June 14th, 2017.

The reason for this request is to accommodate a future affordable housing project that WYDOT will maintain ownership and use for their employees. Due to the density of the project being approximately 28 units, an additional connection to the Teton County School District (TCSD) system (Munger Mountain) is critical. An existing memorandum of understanding (MOU) is attached in Appendix A providing agreement between WYDOT and TCSD for sewer connection of the proposed employee housing to the Munger Mountain Elementary system. There were no alternatives considered for this proposed housing project and sewer connection, as the connection was already available on-site with the existing WYDOT facility and agreement in place between WYDOT and TCSD. There is no alternative still being proposed.

This sewer connection request will enable WYDOT to provide affordable workforce housing in close proximity to their existing offices and maintenance facility, as well as the Town of Jackson. The project is critical to WYDOT staffing for continued maintenance of State highways in Teton County. The ability of WYDOT to house their workforce is also vital to surrounding communities at large located throughout Teton County; which includes adjacent bedroom communities that rely on safe/hazard free roads for travel. The service that WYDOT provides is highlighted during winter months where quick response to snow removal and clearing of avalanches is critical to the Jackson community, which relies heavily on a workforce that commutes from Lincoln, Sublette, and Fremont Counties, as well as Idaho.

The required studies will be completed and provided as part of this application to ensure that the proposed development will comply with the sewer line capacity. It is likely that approval of the proposed zoning map amendment will be conditioned based on executed sewer connection agreements with WYDOT, TCSD and TOJ.

1.0 OWNERSHIP

WYDOT will be responsible for costs of design, permitting, construction, operation, maintenance, regulatory compliance, repair, and replacement of the system.

All ownership will remain with WYDOT. They will own the proposed housing units, existing facilities and parcel. They will be the responsible party for the connection agreement with the Town of Jackson.

2.0 PROJECT SCHEDULE/DETAILS

Detailed below are the planning and permitting processes and associated timeframes for each for this project to reach fruition. Based on the assumptions made regarding approval processes, the project is expected to break ground in the Spring of 2023, which is highly dependent on time of approval by regulatory authorities.

2.1 RE-ZONING & DEVELOPMENT PLAN APPROVAL

The sewer connection will be dependent upon WYDOT's ability to rezone the parcel from Neighborhood-Conservation (NC) to Public/Semi-Public (P/SP). WYDOT must also go through a Sketch (SKC) plan review and a Development (DEV) review process through Teton County Wyoming's Planning Department. The process is outlined below, which includes the anticipated time for completion. WYDOT is currently in the process of organizing a neighborhood meeting; the initial requirement for a ZMA.

Teton County Required Approvals

- Zoning Map Amendment (ZMA) – Max review period of 5 months
- Sketch Plan (SKC) – Max review period of 5 months
- Development Plan (DEV) – Max review period of 5 months

*Timeframe for review depending upon County's current workload. Zoning Map Amendment must be approved first before the Sketch Plan can be submitted.

Subsequent to those approvals, all other applicable development standards would be adhered to.

2.2 DESIGN & PERMITTING SCHEDULE

Completion of plans for permitting and construction purposes is expected to take 6 to 8 months. Subsequent to project design and in addition to approval of the sewer connection permit (this report and application), the following permits will be sought with the anticipated timelines noted.

Teton County Required Permits

- Building Permit (BDR/Teton County, WY) – 3 to 4 months
- Basic Use Permit (BUP/Teton County, WY) – 2 months
- GEC (Grading Permit/Teton County, WY) – 2 to 3 months
- Wyoming Department of Environmental Quality – 2 to 3 months
- Wyoming State Engineering Office Well Permitting – 2 months

2.3 CONSTRUCTION SCHEDULE

The anticipated earliest start for construction is in the Spring of 2023; the schedule is highly dependent on obtaining project approval in accordance with Sections 2.2 and 2.3 above. The project is likely to be phased, where not all of the housing units will be constructed in the same timeframe. The quantity of units in each phase will be based on available funding and housing needs.

2.4 PROPOSED METHOD OF METERING/PAYMENT

Measurement of sewer flow and payment will be consistent with current flow assessment and billing practices. Sewer flows associated with this development will be conveyed to the existing sewer connection to the Munger Mountain Elementary (MME) School's sewer. The Town currently assesses sewer fees to TCSD in accordance with meter readings taken downstream of the existing Munger Mountain Elementary School lift station. Fees associated with WYDOT sewer flows are conveyed from TCSD to WYDOT through separate billing.

2.5 WASTEWATER FLOWS & CHARACTERISTICS

Below are estimates for wastewater flows based on Wyoming Department of Environmental Quality (WDEQ) design standards. A description of sewer characteristics is also included.

Estimated Wastewater Flows & Volumes

Each proposed housing unit will be approximately 3-bedrooms, which results in an estimated total maximum day wastewater flow for 28 housing units of 10,920 gpd (390 GPM/per unit). The maximum day flows are based on Table 1 in Chapter 25 of the WDEQ Water Quality Rules and Regulations. According to a TOJ invoice to TCSD (see Appendix B) for October of 2019, the monthly wastewater production for the existing WYDOT Facility and MME School is 580 Kgal/month. Assuming an average day is 60% of maximum day flow, the anticipated monthly sewer flow for the proposed 28-unit development is 203Kgal, or an overall 35% increase in flows conveyed to TOJ.

Sewer Characteristics

Wastewater characteristics are expected to be consistent with typical residential developments. It is assumed wastewater generated by this development will fall within the "typical" column of the table presented below.

| Table 1. Composition of Typical Residential Untreated Wastewater | | | |
|---|----------------|----------------------------------|-----------------|
| Constituent | Unit | Range | Typical |
| Total Solids | mg/L | 300-1200 | 700 |
| Dissolved | mg/L | 250-1200 | 500 |
| Fixed | mg/L | 150-550 | 150 |
| Volatile | mg/L | 100-300 | 150 |
| Suspended | mg/L | 100-400 | 220 |
| Fixed | mg/L | 30-100 | 70 |
| Volatile | mg/L | 70-300 | 150 |
| Settleable | mg/L | 50-200 | 100 |
| BOD5 | mg/L | 100-400 | 250 |
| TOC | mg/L | 100-400 | 250 |
| COD | mg/L | 200-1,000 | 500 |
| Total Nitrogen | mg/L | 15-90 | 40 |
| Organic | mg/L | 5-40 | 25 |
| Ammonia | mg/L | 10-50 | 25 |
| Nitrite | mg/L | 0 | 0 |
| Nitrate | mg/L | 0 | 0 |
| Total Phosphorous | mg/L | 5-20 | 12 |
| Organic | mg/L | 1-5 | 2 |
| Inorganic | mg/L | 5-15 | 10 |
| Chloride | mg/L | 30-85 | 50 |
| Sulfate | mg/L | 20-60 | 15 |
| Alkalinity | mg/L | 50-200 | 100 |
| Grease | mg/L | 50-150 | 100 |
| Total Coliform | Colonies/100mL | 10 ⁶ -10 ⁸ | 10 ⁷ |
| VOCs | µg/L | 100-400 | 250 |

Source: Northern Arizona University Department of Civil and Environmental Engineering.

3.0 PLANS/MAPS

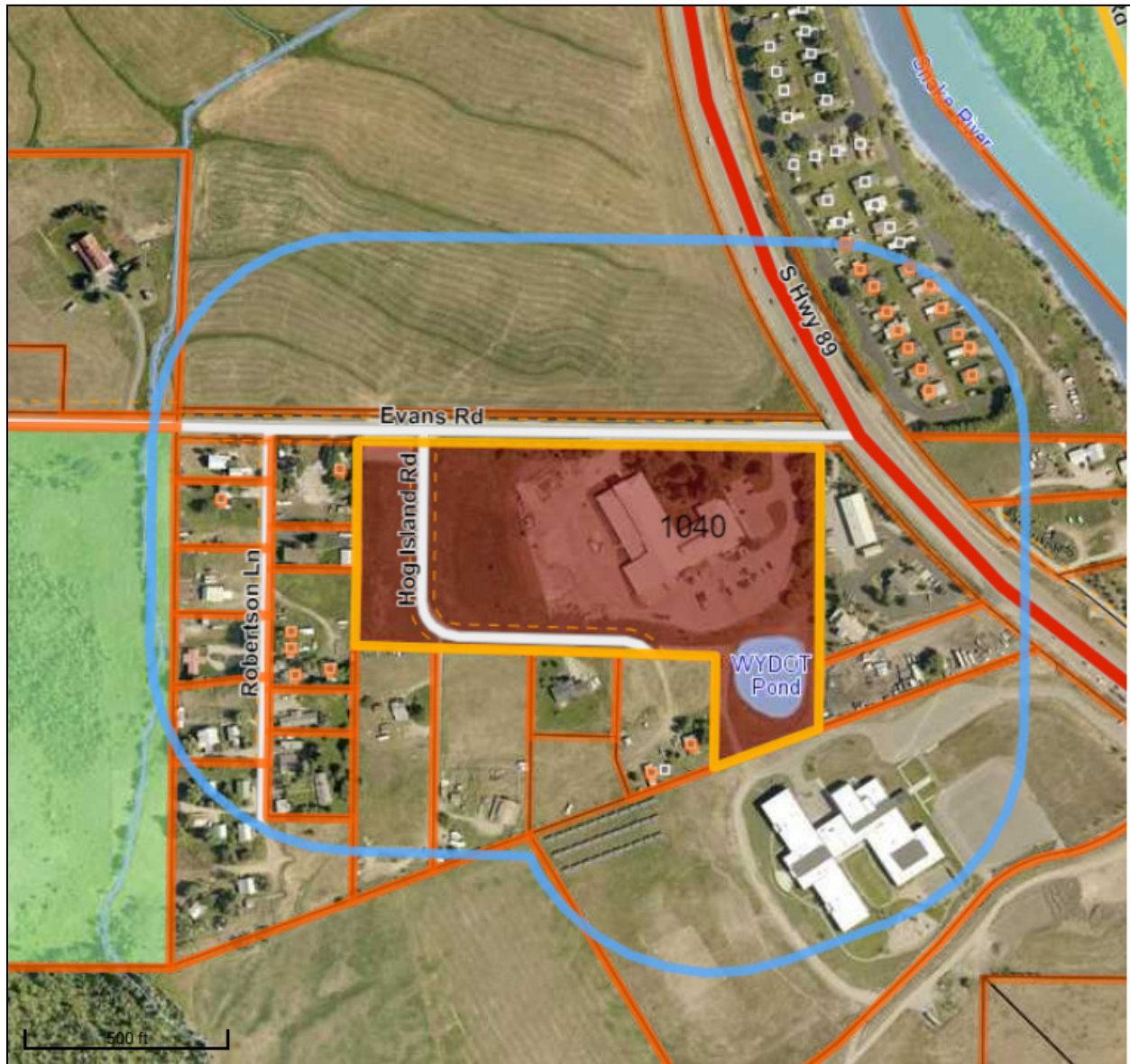
Planning for future connection of the WYDOT Employee Housing project to TCSD's system has been in process since 2017 (see MOU in Appendix A). Accommodations for future connection were made as part of the WYDOT/TCSD Sewer Line & Connection project in 2019. Plans for the 2019 project are provided in Appendix C, where an 8" dia. stub for connection of the future housing project is highlighted on sheet C3.0 at sewer line station 4+48 in the plans.

Design and construction plans for sewer infrastructure from the connection point (station 4+48) to the housing development has not been developed, however it is expected that all infrastructure will be designed and constructed in accordance with WDEQ standards. All operation and maintenance of sewer facilities extending from the housing development to the connection point to TCSD's system will be the responsibility of WYDOT. A conceptual site plan of the development with notes for sewer connection is provided in Appendix D.

4.0 PRIVATE PROPERTIES AND SYSTEMS

No other private properties will be serviced with this proposed Sewer Connection agreement. The connection will only service the proposed WYDOT Employee Workforce Housing project. In accordance with the *TOJ Application for a Connection and Use Agreement for Water and Sewer Services*, the following vicinity map is provided showing all properties within 500 feet of the proposed infrastructure.

Vicinity Map w/ 500 ft Buffer



Blue line represents 500 ft buffer for neighboring properties

NORTH
Teton County provides this map for illustrative purposes only and assumes no liability for actions taken by users based on information shown.
printed 7/6/2021

All properties within 500 feet of the proposed infrastructure, regardless of whether or not the property intends to connect to the private system.

APPENDIX A

WYDOT/TCSD Sewer Connection Memorandum of Understanding (MOU)



Matthew H. Mead
Governor

Wyoming Department of Transportation

"Providing a safe, high quality, and efficient transportation system"

5300 Bishop Boulevard
Cheyenne, Wyoming 82009-3340



William T. Panos
Director

May 24, 2017

Jeff Daugherty, Assistant Superintendent
Teton County School District No. 1
P. O. Box 568
Jackson, Wyoming 83001

Memorandum of Understanding for
Federal Project N104083
Hoback Jct.-Jackson/Snake River/N. Section
Teton County

Dear Mr. Daugherty:

Enclosed herewith for the School District's file is an executed original of the Memorandum of Understanding for the above-mentioned project.

Thank you for your handling of this MOU.

Very truly yours,

Janice Burlew
Cooperative Agreements Coordinator
Local Governments-Planning Program

Enclosure

cc: the following via email:
Keith Compton, P.E., District Engineer, Rock Springs
Ted Wells, P.E., District Construction Engineer, Rock Springs
Bob Hammond, P.E., Resident Engineer, Jackson
Jeff Brown, P.E., State Highway Development Engineer, Cheyenne
Sandra Pecenka, P.E., Project Development Engineer, Cheyenne
Andrea Allen, P.E., Project Development Engineer, Cheyenne
Craig Alexander, Lands Management Manager, R/W, Cheyenne
Chris Pivik, P.E., Assistant Contracts and Estimates Engineer
Pam Fredrick, Budget Program, Cheyenne
Kim Lamb, Projects Resource Coordinator, Budget Office, Cheyenne
Christy Stone, STIP Program Coordinator, Planning Program, Cheyenne

**MEMORANDUM OF UNDERSTANDING
BETWEEN THE
WYOMING DEPARTMENT OF TRANSPORTATION
AND THE
TETON COUNTY SCHOOL DISTRICT NO.1**

Federal Project N104083
Hoback Jct.-Jackson/Snake River/N. Section
Teton County

1. **Parties.** This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into by and between the Wyoming Department of Transportation (WYDOT), whose address is 5300 Bishop Boulevard, Cheyenne, Wyoming 82009, and the Teton County School District No. 1, hereafter referred to as the "School District" whose address is P.O. Box 568, Jackson Wyoming 83001.
2. **Purpose.** WYDOT will construct a gravel access road across WYDOT property on Federal Project N104083 to the new Munger Mountain Elementary School and allow the School District emergency access across WYDOT property on this road. **In exchange, the School District will construct a sewer connection for the Jackson WYDOT office and future employee housing into the School District's sewer line.**
3. **Terms of MOU.** This MOU shall commence upon the day and date last signed and executed by the duly authorized representatives of the parties to this MOU, and shall remain in full force and effect until terminated. This MOU may be terminated, without cause, by either party upon 30 days written notice, which notice shall be delivered by hand or by certified mail.
4. **Payment.** No payment shall be made to either party by the other party as a result of this MOU.
5. **Responsibilities of WYDOT.** WYDOT will design (See Exhibit "A") and construct a gravel access road across its property to the new Munger Mountain Elementary School as part of Federal Project N104083. WYDOT will allow the School District emergency access across its property on this road (See Exhibit "A1"). WYDOT will install a gate that will restrict access to the roadway at the WYDOT/School District property line. This gate will be locked and keys will be provided to both the WYDOT and the School District. WYDOT will be responsible for the surface maintenance (excluding snow removal) for this roadway.
6. **Responsibilities of the School District.** The School District shall design and construct a sewer connection into the School District's new sewer line for the Jackson WYDOT office and future employee housing. The School District shall maintain the sewer line from the new school to where it ties into the Town of Jackson's sewer district, including the connection to the WYDOT sewer line. The School District shall be responsible for

the snow removal on the new constructed emergency access road across WYDOT property.

7. General Provisions

- a. **Amendments.** Either party may request changes in this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, executed and signed by all parties to this MOU.
- b. **Applicable Law.** The construction, interpretation and enforcement of this MOU shall be governed by the laws of the State of Wyoming. The courts of the State of Wyoming shall have jurisdiction over any action arising out of this MOU and over the parties, and the venue shall be the First Judicial District, Laramie County, Wyoming.
- c. **Entirety of this MOU.** This MOU, consisting of three pages; Exhibit "A" and Exhibit "A1", consisting of one page each, represents the entire and integrated agreement between the parties and supersedes all prior negotiations, representations and agreements, whether written or oral.
- d. **Indemnification.** Each party to this MOU shall assume the risk of any liability arising from its own conduct. Neither party agrees to insure, defend nor indemnify the other.
- e. **Prior Approval.** This MOU shall not be binding upon either party unless this MOU has been reduced to writing before performance begins as described under the terms of this MOU, and unless this MOU is approved as to form by the Attorney General or his representative.
- f. **Severability.** Should any portion of this MOU be judicially determined to be illegal or unenforceable, the remainder of the MOU shall continue in full force and effect, and either party may renegotiate the terms affected by the severance
- g. **Sovereign Immunity.** The State of Wyoming and WYDOT do not waive their sovereign immunity by entering into this MOU and the School District does not waive governmental immunity and each specifically retains all immunities and defenses available to them as sovereign or governmental entities pursuant to Wyo. Stat. § 1-39-104(a) and all other State law. Designations of venue, choice of law, enforcement actions, and similar provisions shall not be construed as a waiver of sovereign immunity

h. **Third Party Beneficiary Rights.** The parties do not intend to create in any other individual or entity the status of third party beneficiary, and this MOU shall not be construed so as to create such status. The rights, duties and obligations contained in this MOU shall operate only between the parties to this MOU, and shall inure solely to the benefit of the parties to this MOU. The provisions of this MOU are intended only to assist the parties in determining and performing their obligations under this MOU.

8. **Signatures.** The parties to this MOU through their duly authorized representatives have executed this MOU on the dates set out below, and certify that they have read, understood, and agreed to the terms and conditions of this MOU as set forth herein.

The effective date of this MOU is the date of the signature last affixed to this page.

Attest/Witness:

Michele D. Doyle
Name
Michele D. Doyle, Exec Asst
Print Name, Title

Teton County School District No. 1:

[Signature]
Jeff Daugherty, Assistant Superintendent
4/21/17
Date

(SEAL)

Attest:

[Signature]
Sandra J. Scott, Secretary
Transportation Commission of Wyoming

Wyoming Department of Transportation:

[Signature]
Gregg C. Fredrick, P.E., Chief Engineer
5-23-2017
Date

(SEAL)

Approved as to form:

By: [Signature]
Michael T. Kahler
Senior Assistant Attorney General
State of Wyoming

Date MOU prepared: 12-8-16

EXHIBIT "A"

TYPICAL SECTION

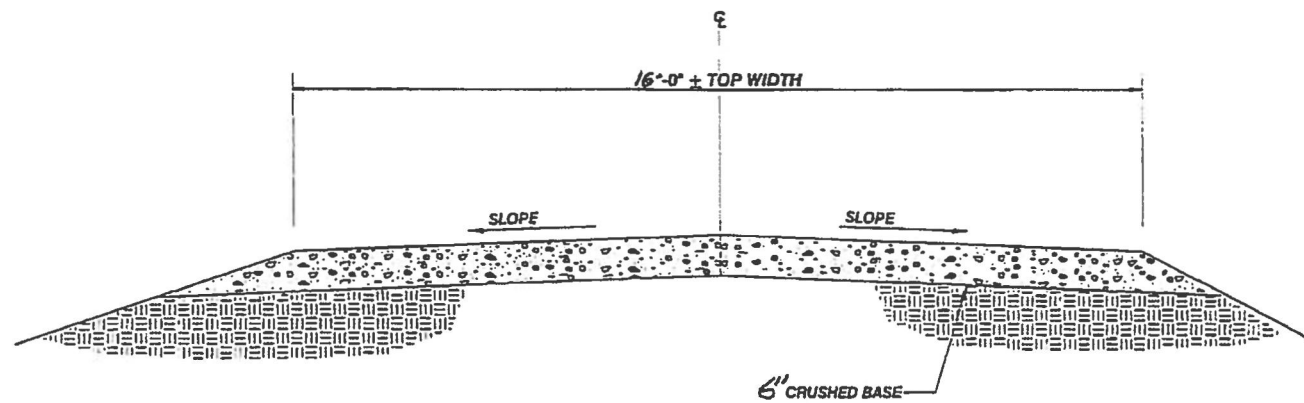
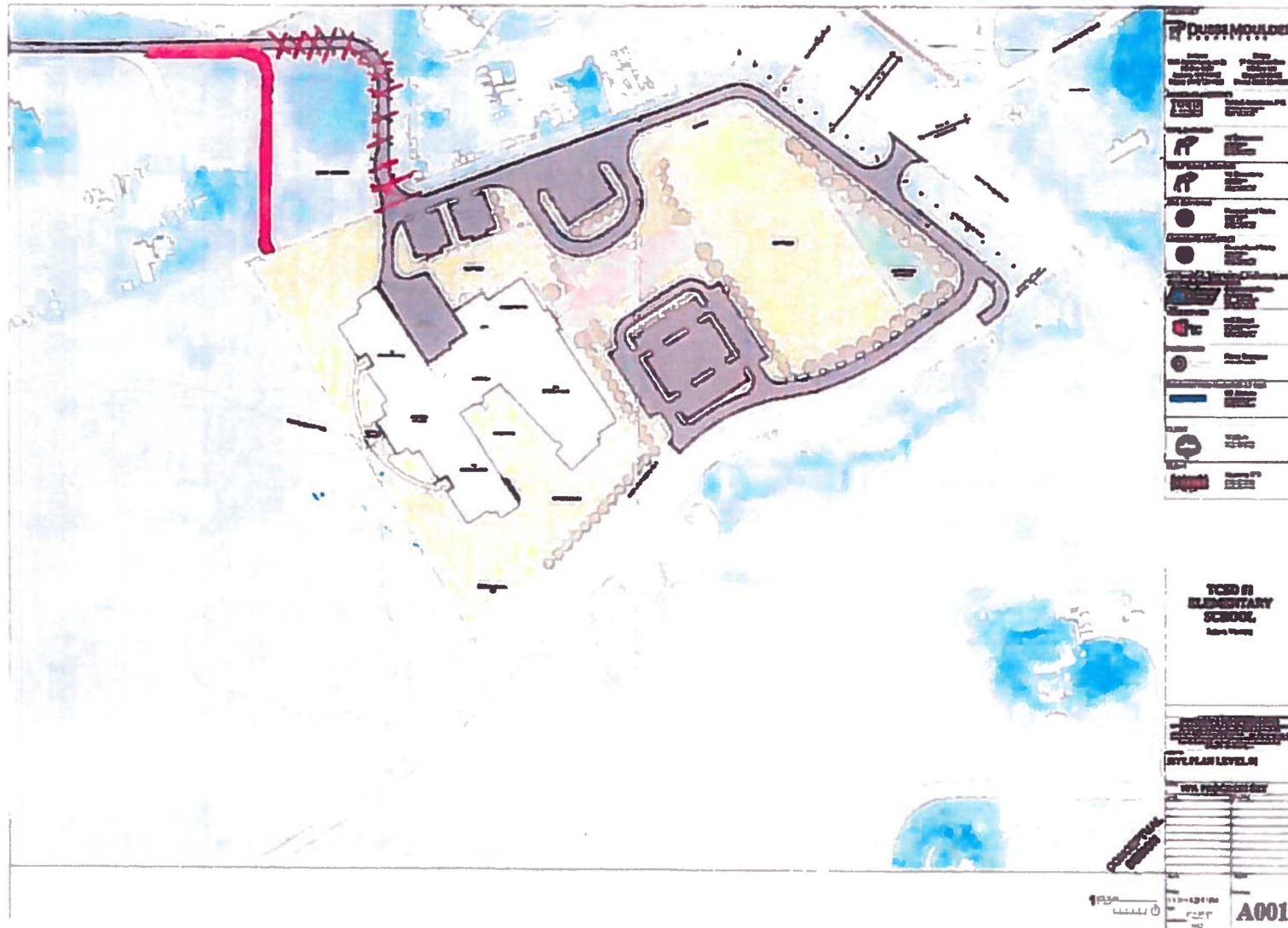


EXHIBIT "A1"



MUNGER MOUNTAIN ELEMENTARY SCHOOL
TETON COUNTY SCHOOL DISTRICT NO. 1

APPENDIX B

TOJ Sewer Invoice to WYDOT



Town of Jackson

150 East Pearl Avenue | PO Box 1687
Jackson, WY 83001

307-733-3932
info@townofjackson.com
Monday - Friday 8:00am - 5:00pm

Have your bill paid automatically each month with Xpress Bill Pay's hassle-free Auto Pay feature.

Billing Address

MUNGER MOUNTAIN
SCHOOL DIST
PO BOX 568
JACKSON, WY 83001

Service Address

7605 S HWY 89
Jackson WY

| Description | Read Date | Prev Reading | Present Reading |
|-------------|------------|--------------|-----------------|
| WA | 10/31/2019 | 7,252,996 | 7,832,738 |

RECEIVED NOV - 5 2019

Verified by Rendezvous Engineering:
October 2019 Sewer Use: 579,742 Gallons (579.742 MG)
Sewer Base Fee (4" Discharge Pipe): \$81.24/ Month
Sewer Usage: $579.752 \times \$2.27 = \$1,316.01$
Sewer Surcharge: $579.742 \times \$0.80 = \463.79

Account Information

Account Number: 1592095.1
Account Type: Utility
Due Date: 11/30/2019
Billing Period End:
10/31/2019

Total Charges

| | |
|-------------------|------------|
| Sewer Usage | \$1,316.01 |
| Sewer Base fee | \$81.24 |
| Sewer Surcharge | \$463.79 |
| Statement Charges | \$1,861.04 |
| Total Amount Due | \$1,861.04 |



Town of Jackson

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Jackson, WY 83001

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info@townofjackson.com
Monday - Friday 8:00am - 5:00pm

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Billing Address

MUNGER MOUNTAIN
SCHOOL DIST
PO BOX 568
JACKSON, WY 83001

Service Address

7605 S HWY 89
Jackson WY

| Description | Read Date | Prev Reading | Present Reading |
|-------------|-----------|--------------|-----------------|
| WA | 9/30/2019 | 6,725,290 | 7,252,996 |

Account Information

Account Number: 1592095.1
Account Type: Utility
Due Date: 10/31/2019
Billing Period End: 9/30/2019

Total Charges

| | |
|-------------------|------------|
| Sewer Usage | \$1,197.89 |
| Sewer Base fee | \$81.24 |
| Sewer Surcharge | \$422.16 |
| Statement Charges | \$1,701.29 |
| Total Amount Due | \$1,701.29 |



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Jackson, WY 83001

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info@townofjackson.com
Monday - Friday 8:00am - 5:00pm

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Billing Address

MUNGER MOUNTAIN
SCHOOL DIST
PO BOX 568
JACKSON, WY 83001

Service Address

7605 S HWY 89
Jackson WY

| Description | Read Date | Prev Reading | Present Reading |
|-------------|-----------|--------------|-----------------|
| WA | 8/30/2019 | 6,118,523 | 6,725,290 |

RECEIVED SEP - 4 2019

Account Information

Account Number: 1592095.1
Account Type: Utility
Due Date: 9/30/2019
Billing Period End: 8/31/2019

Total Charges

| | |
|-------------------|------------|
| Sewer Usage | \$1,377.36 |
| Sewer Base fee | \$81.24 |
| Sewer Surcharge | \$485.41 |
| Statement Charges | \$1,944.01 |
| Total Amount Due | \$1,944.01 |



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Billing Address

MUNGER MOUNTAIN
SCHOOL DIST
PO BOX 568
JACKSON, WY 83001

Service Address

7605 S HWY 89
Jackson WY

| Description | Read Date | Prev Reading | Present Reading |
|-------------|-----------|--------------|-----------------|
| WA | 7/31/2019 | 5,599,555 | 6,118,523 |

Account Information

Account Number: 1592095.1
Account Type: Utility

Due Date: 8/31/2019

Billing Period End:

7/31/2019

Total Charges

| | |
|-----------------|------------|
| Sewer Usage | \$1,178.06 |
| Sewer Base fee | \$81.24 |
| Sewer Surcharge | \$415.17 |

Statement Charges \$1,674.47

Total Amount Due \$1,674.47

RECEIVED AUG - 6 2019



Town of Jackson

150 East Pearl Avenue | PO Box 1687
Jackson, WY 83001

307-733-3932
info@townofjackson.com
Monday - Friday 8:00am - 5:00pm

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SCHOOL DIST
PO BOX 568
JACKSON, WY 83001

Service Address

7605 S HWY 89
Jackson WY

| Description | Read Date | Prev Reading | Present Reading |
|-------------|-----------|--------------|-----------------|
| WA | 6/28/2019 | 4,869,254 | 5,599,555 |

Account Information

Account Number: 15920
Account Type: Utility

Due Date: 7/31/2019

Billing Period End:

6/30/2019

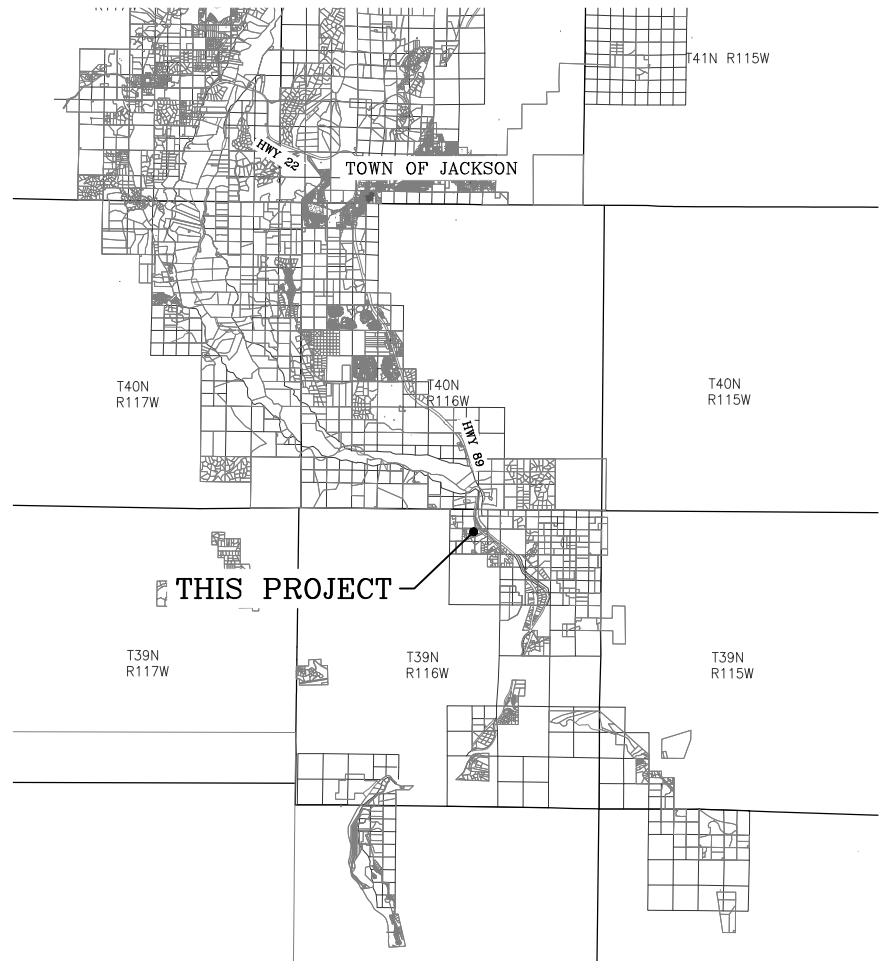
Total Charges

| | |
|-------------------|------------|
| Sewer Usage | \$1,657.78 |
| Sewer Base fee | \$81.24 |
| Sewer Surcharge | \$584.24 |
| Statement Charges | \$2,323.26 |
| Total Amount Due | \$2,323.26 |

APPENDIX C

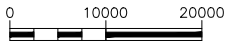
2019 WYDOT Facility Sewer Connection Drawings

WYDOT/TCSD SEWER LINE & CONNECTION



LOCATION MAP

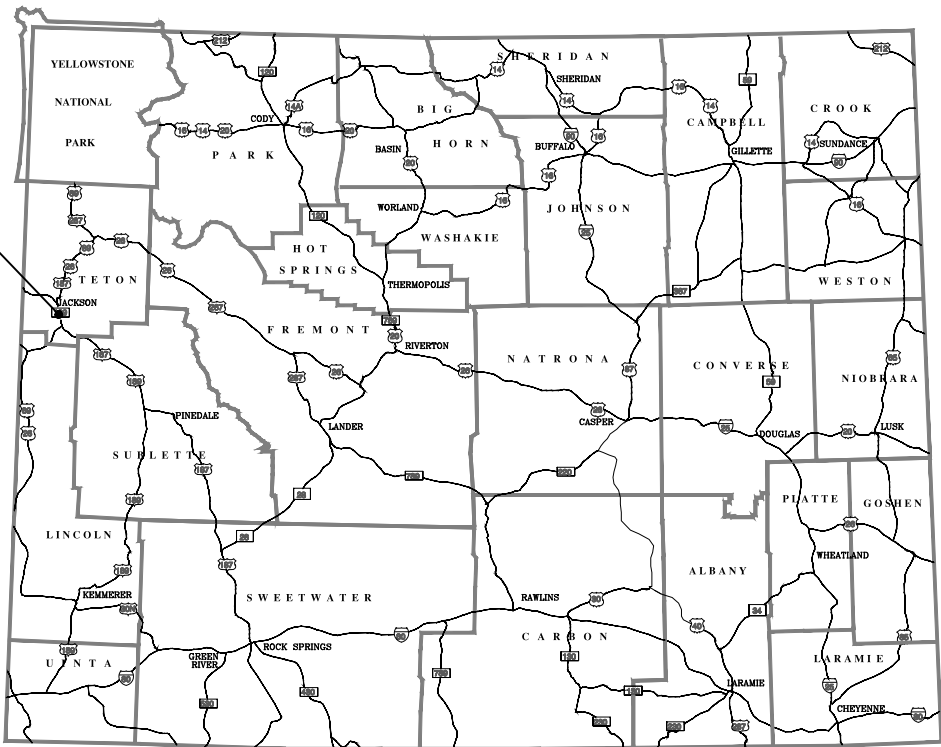
JACKSON, WYOMING



DRAWING INDEX

| DWG. NO. | DESCRIPTION |
|----------|----------------------|
| T1.0 | TITLE SHEET |
| C1.0 | EXISTING SITE |
| C2.0 | SITE PLAN |
| C3.0 | SEWER PLAN & PROFILE |
| C3.1 | SEWER PLAN & PROFILE |
| C3.2 | SITE CIVIL DETAILS |
| C3.3 | LIFT STATION DETAILS |
| C3.4 | WATER METER DETAILS |

PROJECT LOCATION



VICINITY MAP

JACKSON, WYOMING

GENERAL CONSTRUCTION NOTES:

CAUTION: UNDERGROUND UTILITY LOCATIONS ARE NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES (WHETHER FUNCTIONAL OR ABANDONED) WITHIN THE PROJECT AREA ARE SHOWN ON THESE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM CONTRACTORS WORK.

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (SEPARATELY BOUND).
- COORDINATE ALL WORK WITH THE ENGINEER/OWNER THAT INTERRUPTS SERVICE OR DAILY OPERATIONS AT WYDOT OR THE SCHOOL FACILITY.
- WORK HOURS: UNLESS OTHERWISE NOTED IN THESE PLANS OR APPROVED BY ENGINEER/OWNER, WORK HOURS SHALL BE LIMITED TO WEEKDAYS FROM 6:00AM TO 9:00PM.
- SECTION 01 50 00 – TEMPORARY FACILITIES:
 - A PORTABLE TOILET SHALL BE PROVIDED BY THE CONTRACTOR.
 - CONTRACTOR SHALL PROVIDE PORTABLE POWER AND TOOLS TO COMPLETED WORK.
 - WATER FOR CONSTRUCTION WILL BE PROVIDED BY WYDOT.

| REVISIONS | | | |
|-----------|-----------------------|-----|---------|
| No: | REVISION DESCRIPTION: | BY: | DATE: |
| 1 | ADDENDUM NO. 1 | JLK | 3/12/19 |
| 2 | AS-BUILT | JLK | 7/12/19 |

DUBBE MOULDER
ARCHITECTS

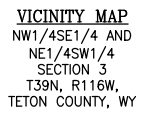
JACKSON
1160 Alpine Lane, Box 24
PO BOX 9227
JACKSON, WY 83002
(307) 733-9551

WYDOT
37 North First East
PO BOX 169
DALLAS, TX 75201
(202) 354-0151

| JOB TITLE | | DRAWING NO | | JOB NO | |
|---------------------------------|--|------------|----|---------------|----|
| WYDOT/TCSD SEWER LINE | | T1.0 | | SFD# 1155 | |
| WYDOT FACILITY – DISTRICT NO. 3 | | | | NE# 18-322-01 | |
| TETON COUNTY, WY | | | | | |
| DRAWING TITLE | | DATE | | REV | |
| TITLE SHEET | | 1/20/19 | | 1-28-19 | |
| AS-BUILT | | SURVEYED | NE | ENGINEERED | jk |
| | | DRAWN | jk | CHECKED | |
| | | APPROVED | | | |
| | | | | | |

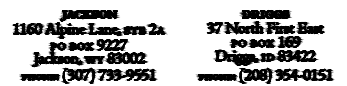
NELSON
ENGINEERING

P.O. BOX 1599, JACKSON WYOMING (307) 733-2087



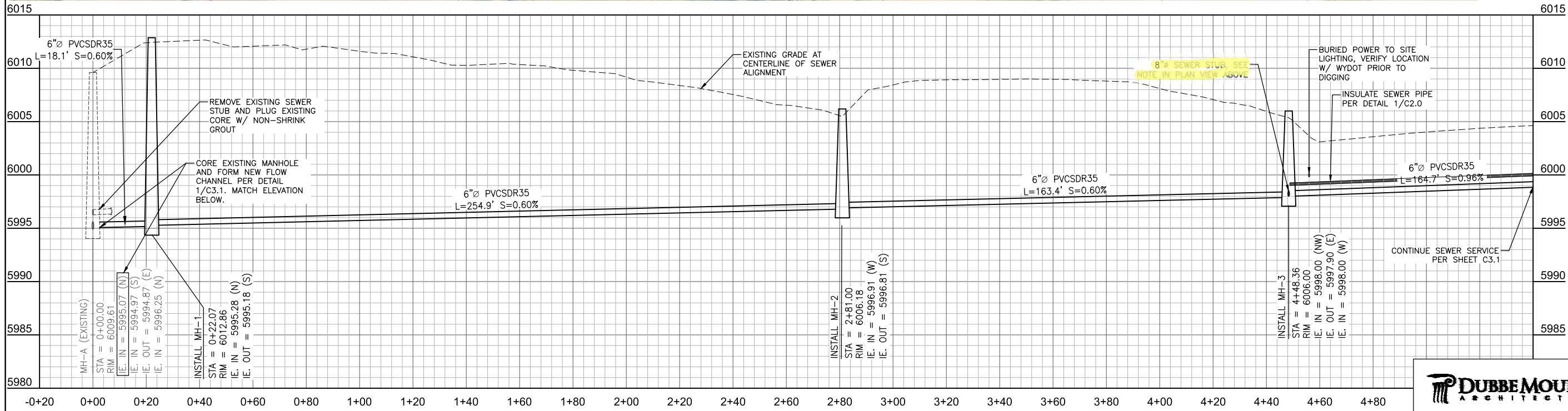
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NOTE:
BOUNDARY ON WEST LINE IS FROM CALCULATED
AND FROM RECORD. NO MONUMENTS FOUND.



| | | | |
|--|---|---|-------------------|
| DRAWING NO C1.0 | JOB TITLE WYDOT/TCSO SEWER LINE | DRAWING TITLE EXISTING SITE | REV 1-28-19 |
| JOB NO SFD# 1155 NE# 18-322-01 | WYDOT FACILITY - DISTRICT NO. 3 TETON COUNTY, WY | P.O. BOX 1599, JACKSON WYOMING (307) 733-2087 | DATE 1/20/19 |
| | | | SURVEYED NE |
| | | | ENGINEERED jlk |
| | | | DRAWN BIG |
| | | | CHECKED |
| | | | APPROVED |

S:\p2\2018\202-01 WYDOT Sewer Service\4 Drawings\DWG\Sewer Designing\CD3D SEWER PLAN & PROFILE - Nur 19 2020 031604.dwg PLOTTED BY: jknaptrick DWG FORMAT: 230



SEWER PLAN & PROFILE
SCALE: 1" = 40' (11X17)



JACKSON
1160 Alpine Lane, Box 24
P.O. Box 9227
Jackson, WY 83002
Phone (307) 733-9551

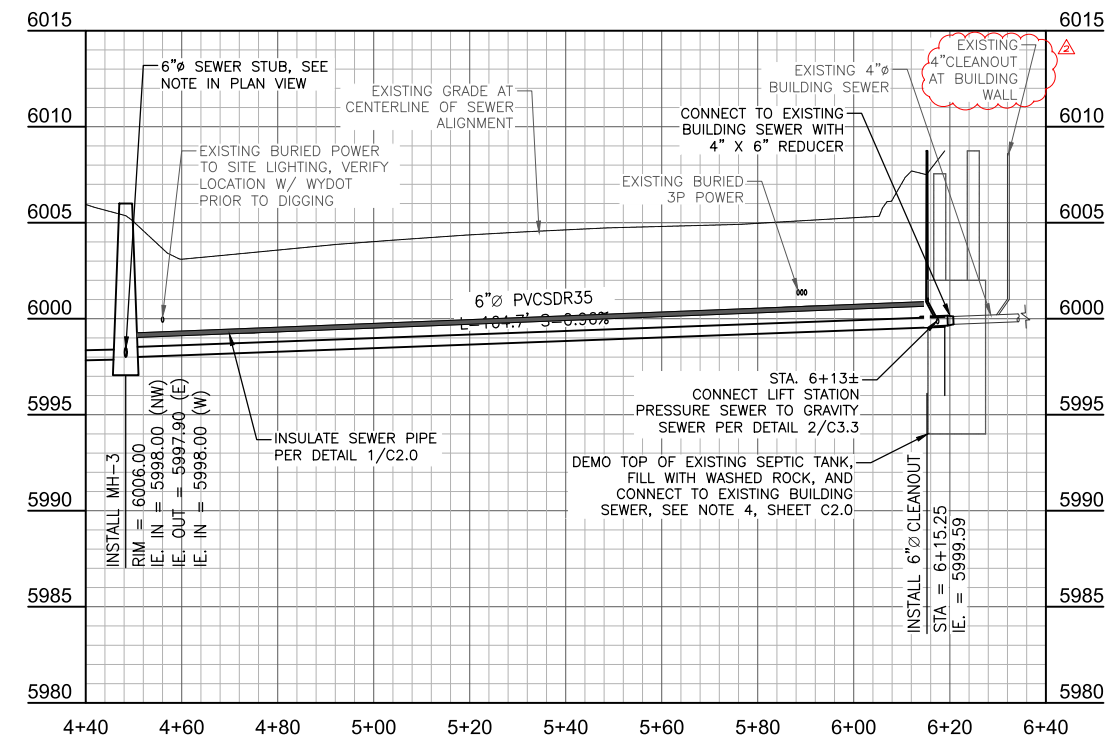
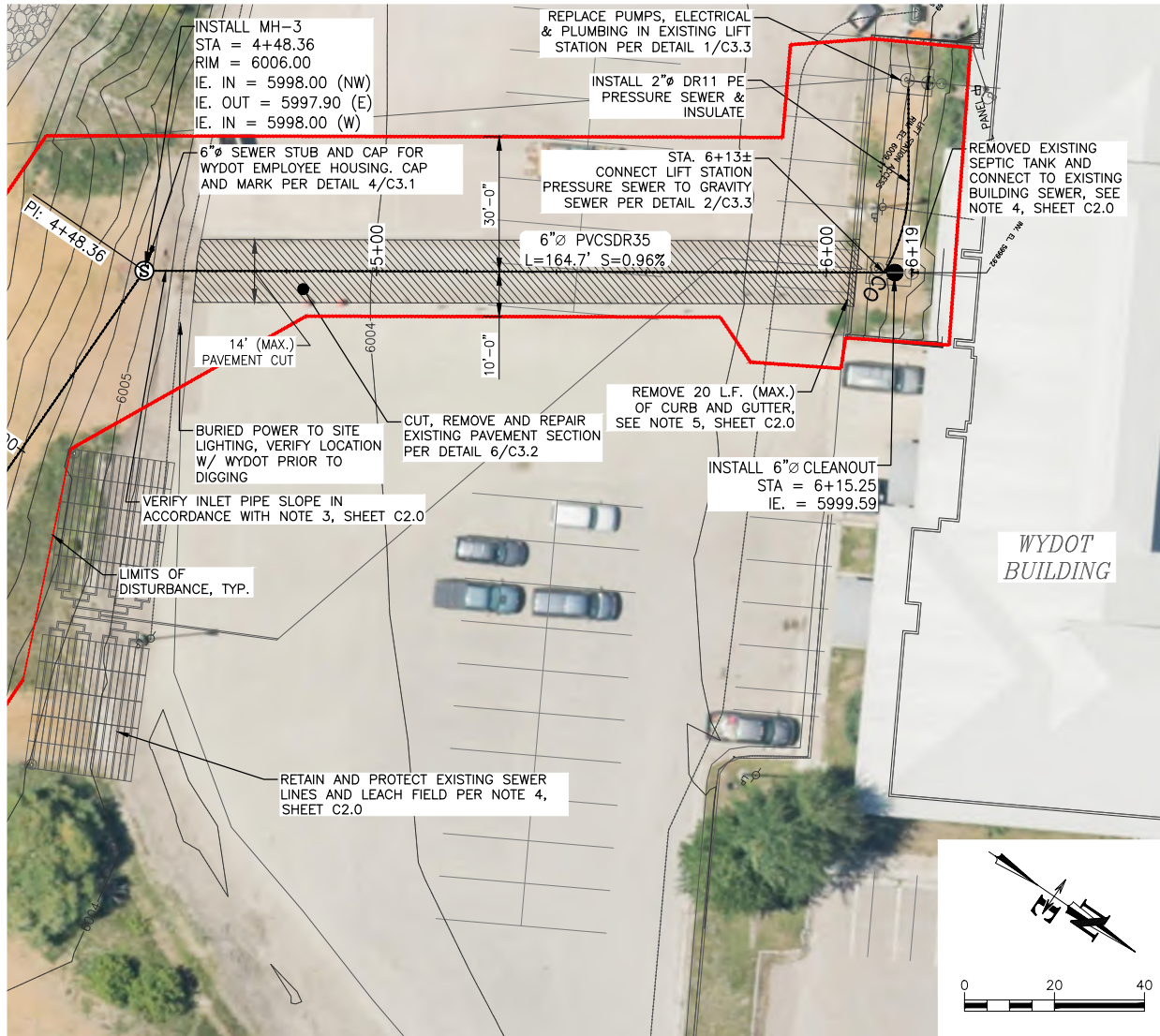
BOZEMAN
37 North First East
P.O. Box 169
Bozeman, WY 83002
Phone (208) 354-0151

| JOB TITLE | | DRAWING TITLE | | DATE | | REV. | |
|--|--|--|--|----------|------------|---------|--|
| DRAWING NO C3.0 | WYDOT/TCSO SEWER LINE WYDOT FACILITY - DISTRICT NO. 3 TETON COUNTY, WY | NELSON ENGINEERING P.O. BOX 1599, JACKSON WYOMING (307) 733-2087 | SEWER PLAN & PROFILE AS-BUILT | 1/20/19 | NE | 1-28-19 | |
| | | | | SURVEYED | ENGINEERED | | |
| | | | | | DRAWN | | |
| | | | | | CHECKED | | |
| JOB NO SFD# 1155 NE# 18-322-01 | | | | APPROVED | | | |

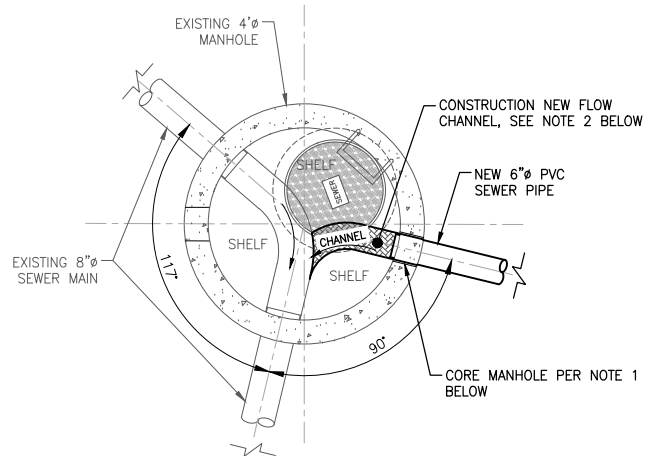
**NELSON
ENGINEERING**

P.O. BOX 1599, JACKSON WYOMING (307) 733-2087

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SEWER PLAN & PROFILE
SCALE: 1" = 40' (1:1X17)

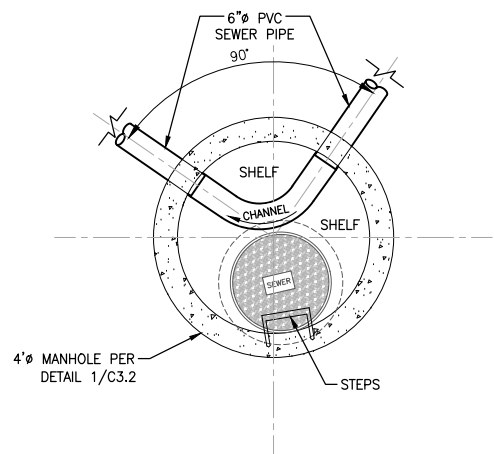


NOTES:

1. EXCAVATE AND CORE MANHOLE TO RECEIVE NEW 6" SEWER SERVICE.
2. FORM (CHIP-OUT) NEW FLOW LINE IN MANHOLE BASE. GROUT NEW FLOWLINE SMOOTH W/ NON-SHRINK GROUT.
3. FILL ALL ANNULUSES WITH NON-SHRINK GROUT FOR A WATER-TIGHT PIPE CONNECTION.
4. PLUG EXISTING CORE PENETRATION LOCATED ABOVE THE MANHOLE FLOW CHANNEL AS NOTED IN PROFILE ON SHEET C3.0.
5. INSTALL SEWER PIPE AT ELEVATIONS AND SLOPES NOTED ON SHEETS C3.0 & C3.1.
6. COMPLY WITH REQUIREMENTS OF SECTION 33 05 60 - CONCRETE MANHOLES.

1
C3.1 PLAN VIEW - EXISTING MANHOLE MH-A

STA 0+00

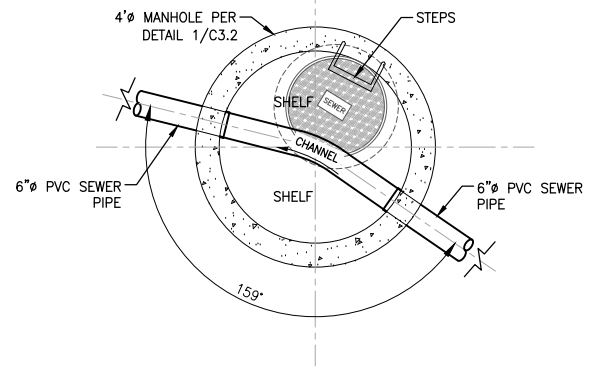


NOTES:

1. INSTALL SEWER PIPE AT ELEVATIONS AND SLOPES NOTED ON SHEETS C3.0 & C3.1.
2. COMPLY WITH REQUIREMENTS OF SECTION 33 05 60 - CONCRETE MANHOLES.

3
C3.1 PLAN VIEW - MANHOLE MH-2

STA 2+81±

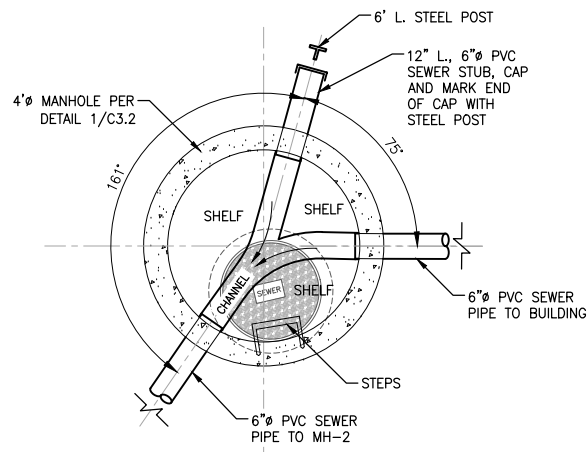


NOTES:

1. INSTALL SEWER PIPE AT ELEVATIONS AND SLOPES NOTED ON SHEETS C3.0 & C3.1.
2. COMPLY WITH REQUIREMENTS OF SECTION 33 05 60 - CONCRETE MANHOLES.

2
C3.1 PLAN VIEW - MANHOLE MH-1

STA 0+22±



NOTES:

1. INSTALL SEWER PIPE AT ELEVATIONS AND SLOPES NOTED ON SHEETS C3.0 & C3.1.
2. COMPLY WITH REQUIREMENTS OF SECTION 33 05 60 - CONCRETE MANHOLES.

4
C3.1 PLAN VIEW - MANHOLE MH-3

STA 4+48±



JACKSON
1160 Alpine Lane, Box 24
PO BOX 9227
JACKSON, WY 83002
(307) 733-9551

BOZEMAN
37 North First East
PO BOX 189
BOZEMAN, MT 59702
(406) 354-0151

DRAWING TITLE
SEWER PLAN & PROFILE

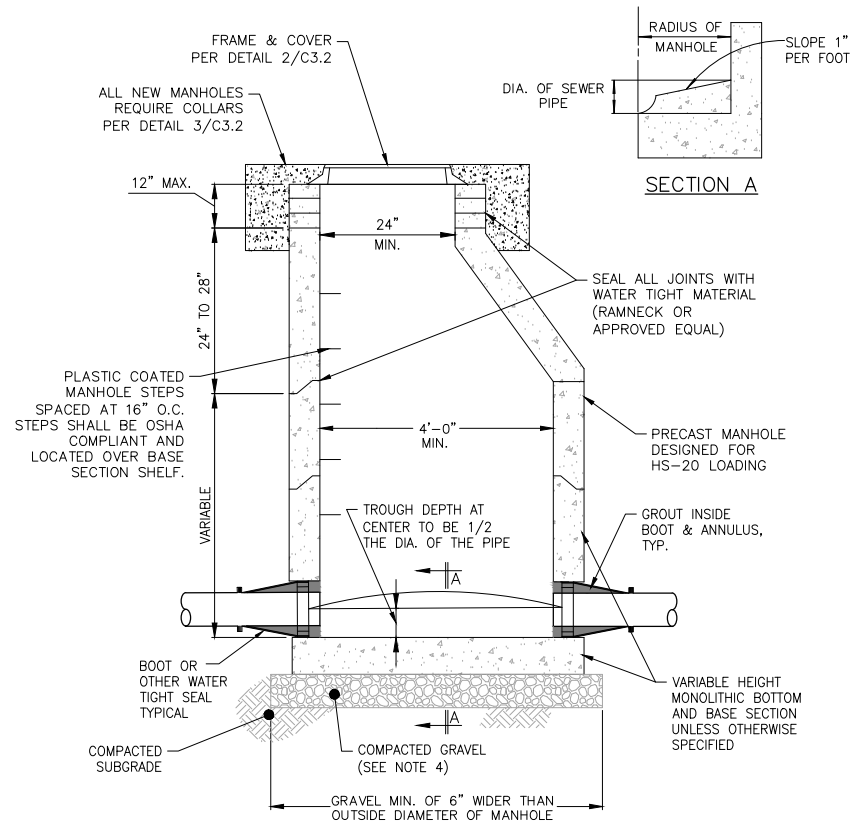
JOB TITLE
WYDOT/TCSO SEWER LINE
WYDOT FACILITY - DISTRICT NO. 3
TETON COUNTY, WY

DRAWING NO
C3.1
JOB NO
SFD# 1155
NE# 18-322-01

DATE
1/20/19
SURVEYED
NE
ENGINEERED
jlk
DRAWN
CHECKED
APPROVED

REV
1-28-19

**NELSON
ENGINEERING**
P.O. BOX 1599, JACKSON WYOMING (307) 733-2087

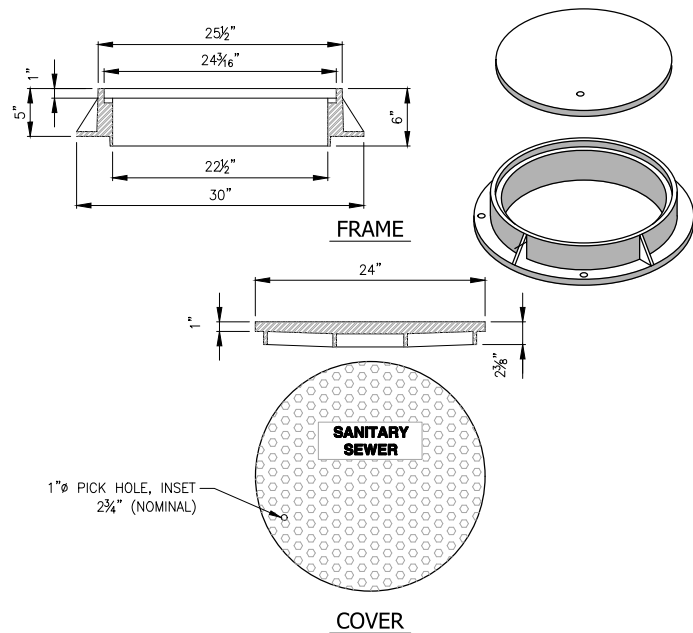


- NOTES:**
1. DROP ACROSS INVERT SHALL BE AS SHOWN ON THE DRAWINGS.
 2. PRECAST MANHOLES SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478.
 3. BASE SHALL BE REINFORCED WHEN THE DISTANCE FROM INVERT TO TOP OF COVER EXCEEDS 15". REINFORCEMENT TO BE APPROVED BY ENGINEER.
 4. GRAVEL SHALL BE EIGHT INCH MINIMUM THICKNESS, AGGREGATE BASE COURSE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D698.
 5. ALL PIPES GOING INTO MANHOLE SHALL BE INSTALLED TO MATCH TOP OF PIPE CROWNS.
 6. TROUGH DEPTH AT CENTER TO BE HALF THE DIAMETER OF THE PIPE.
 7. COMPLY WITH PRODUCT, INSTALLATION AND LEAK TESTING REQUIREMENTS OF SECTION 33 05 60 - CONCRETE MANHOLES.

1
C3.2

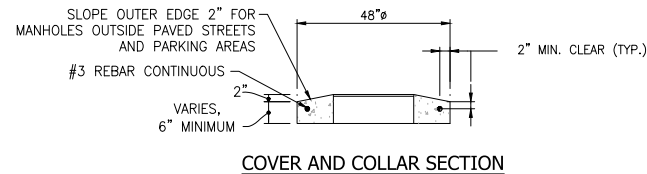
TYPICAL MANHOLE DETAIL

SCALE: NTS

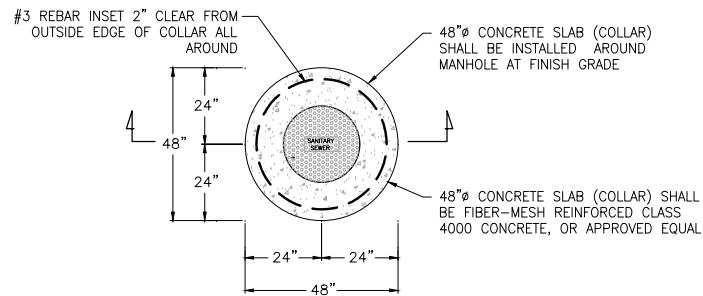


- NOTES:
1. FRAME AND COVER SHALL BE MODEL NO. A-1055, AS MANUFACTURED BY D&L SUPPLY OF LINDON, UTAH, MODIFIED AS SHOWN, OR APPROVED EQUAL.
 2. LETTERING SHALL BE 1" IN HEIGHT.
 3. FROST PROOF FRAME AND COVERS, WHERE CALLED FOR IN THE PLANS, SHALL BE MODEL NO. A-1019 WITH $\frac{1}{4}$ " TH. STL. FROST PROOF LID, AS MANUFACTURED BY D&L SUPPLY OF LINDON, UTAH, MODIFIED AS SHOWN, OR APPROVED EQUAL.

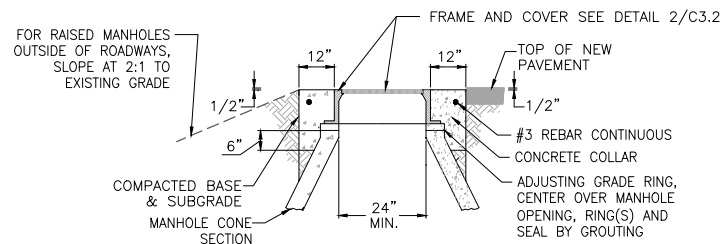
2 SEWER MANHOLE FRAME & COVER
C3.2 SCALE: NTS



COVER AND COLLAR SECTION



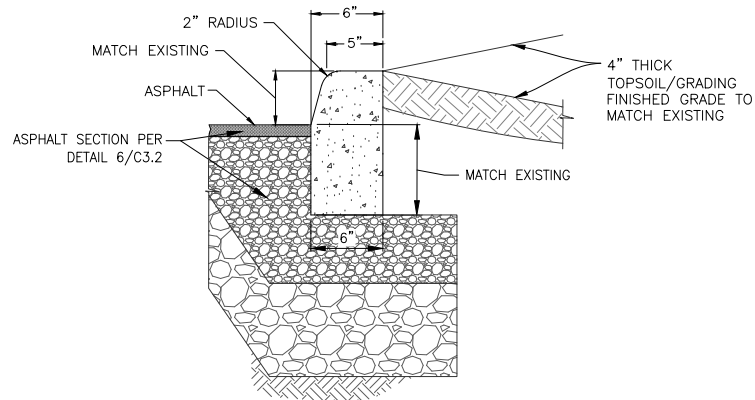
COVER AND COLLAR PLAN



ADJUSTMENT DETAIL

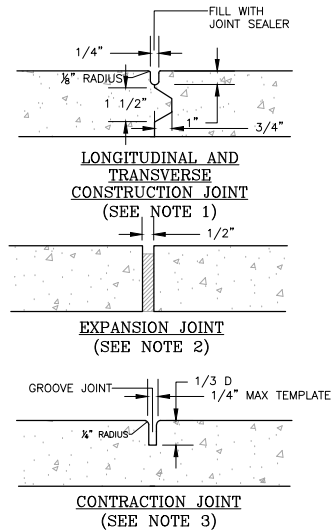
- NOTES:
1. ADJUST MANHOLE UPWARD WITH ADJUSTING RINGS UNDER FRAME. ADJUST MANHOLE DOWNWARD BY REMOVING A PORTION OF THE MANHOLE RISER AND REBUILDING TO PROPER HEIGHT.
 2. MANHOLE RIM SHALL BE A MINIMUM OF 6" ABOVE FINISH GRADE FOR MANHOLES OUTSIDE OF STREETS
 3. SLOPE MANHOLE RING AS REQUIRED TO MATCH STREET GRADE AND CROSS SLOPE.
 4. FOR MANHOLES IN PAVED AREAS, MAKE FINAL MANHOLE ADJUSTMENT AFTER PAVING AND BEFORE SEAL COATING.

3 MANHOLE COLLAR DETAIL
C3.2 SCALE: NTS



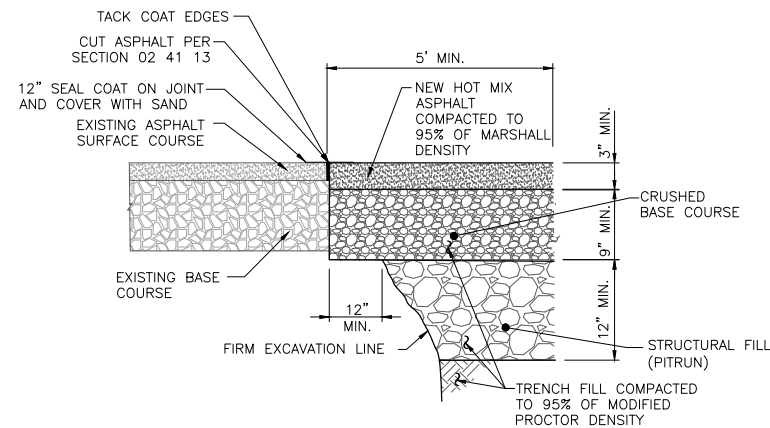
- NOTES:
1. SUBGRADE COMPACTION SHALL CONFORM TO SPECIFICATIONS. BASE AND SUBBASE BACKFILL, INCLUDING THICKNESS, UNDER VERTICAL CURBS SHALL MATCH DETAIL 6/C3.2.
 2. 1/2" EXPANSION JOINT MATERIAL SHALL BE PLACED AT P.C., P.T. AND CURB TURNS. SEE DETAIL 4/C3.2, ABOVE.
 3. CONTRACTION JOINTS SHALL BE CONSTRUCTED BY SAWING OR SCORING. WHEN SCORING, A TOOL SHALL BE USED WHICH WILL LEAVE CORNERS ROUNDED AND DESTROY AGGREGATE INTERLOCK FOR SPECIFIED MINIMUM DEPTH.
 4. CONCRETE FOR CURBS SHALL BE CLASS 4000.
 5. COMPLY WITH APPLICABLE REQUIREMENTS OF SECTION 33 13 13 - CONCRETE PAVEMENT.

5 VERTICAL CURB
C3.2 SCALE: NTS



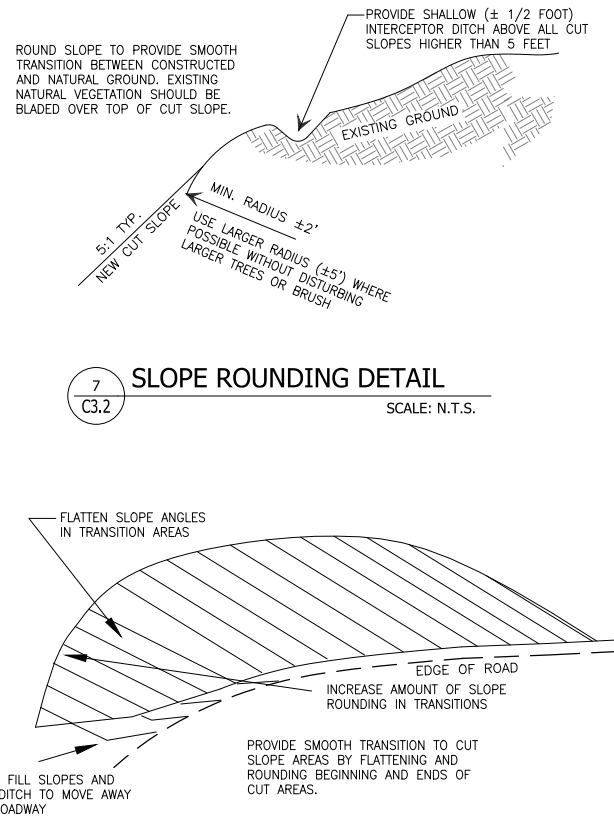
- TRANSVERSE JOINT
- NOTE:
1. KEYWAY FORMED BY FASTENING METAL KEY TO FORM.
 2. $\frac{1}{2}$ " PREMOLDED NON-EXTRUDING EXPANSION JOINT MATERIAL TO MEET AASHTO M-59. EXPANSION MATERIAL SHALL BE INSTALLED WHEN ABUTTING EXISTING CONCRETE OR FIXED STRUCTURES SUCH AS INLETS AND DRIVEWAYS, AND EVERY 50 FEET ON LONG STRAIGHT CONCRETE STRETCHES.
 3. FORM WITH TEMPLATE OR SAWCUT JOINTS. IF SAWCUT JOINTS ARE USED, THEY SHALL BEGIN AS SOON AS CONCRETE IS HARDENED SUFFICIENTLY TO PERMIT SAWING WITHOUT EXCESSIVE RAVELING AND BEFORE UNCONTROLLED CRACKING OCCURS. MAXIMUM DISTANCE BETWEEN JOINTS SHALL BE 5 FEET.

4 CONCRETE JOINTS
C3.2 SCALE: NTS



- NOTES:**
1. SUBGRADE SHALL BE PROOF-ROLLED AND APPROVED BY ENGINEER IN ACCORDANCE WITH SECTION 31 20 00 PRIOR TO BACKFILL OF SUB-BASE AND BASE.
 2. BITUMINOUS MATERIAL SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 32 12 13 - BITUMINOUS MATERIALS.
 3. REPLACEMENT ASPHALT THICKNESS SHALL BE 1" GREATER THAN EXISTING AND NO LESS THAN 3" MINIMUM.
 4. ASPHALT SHALL BE PLACED IN TWO (2) LIFTS, EACH NO LESS THAN 1½" IN THICKNESS, AND COMPACTED TO 95% OF MARSHALL DENSITY.
 5. COMPLY WITH APPLICABLE REQUIREMENTS OF SECTION 33 12 16 - ASPHALT PAVING
 6. REPLACE PAVEMENT MARKINGS AND STRIPING WITHIN AREAS RECEIVING NEW PAVEMENT IN ACCORDANCE WITH SECTION 31 17 23 - PAVEMENT MARKINGS.

6 ASPHALT PATCH REPAIR SECTION
C3.2 SCALE: NTS



SLOPE ROUNDING DETAIL

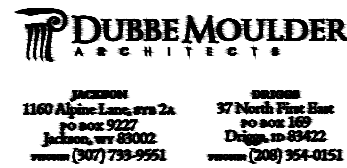
7
C3.2


SCALE: N.T.S.

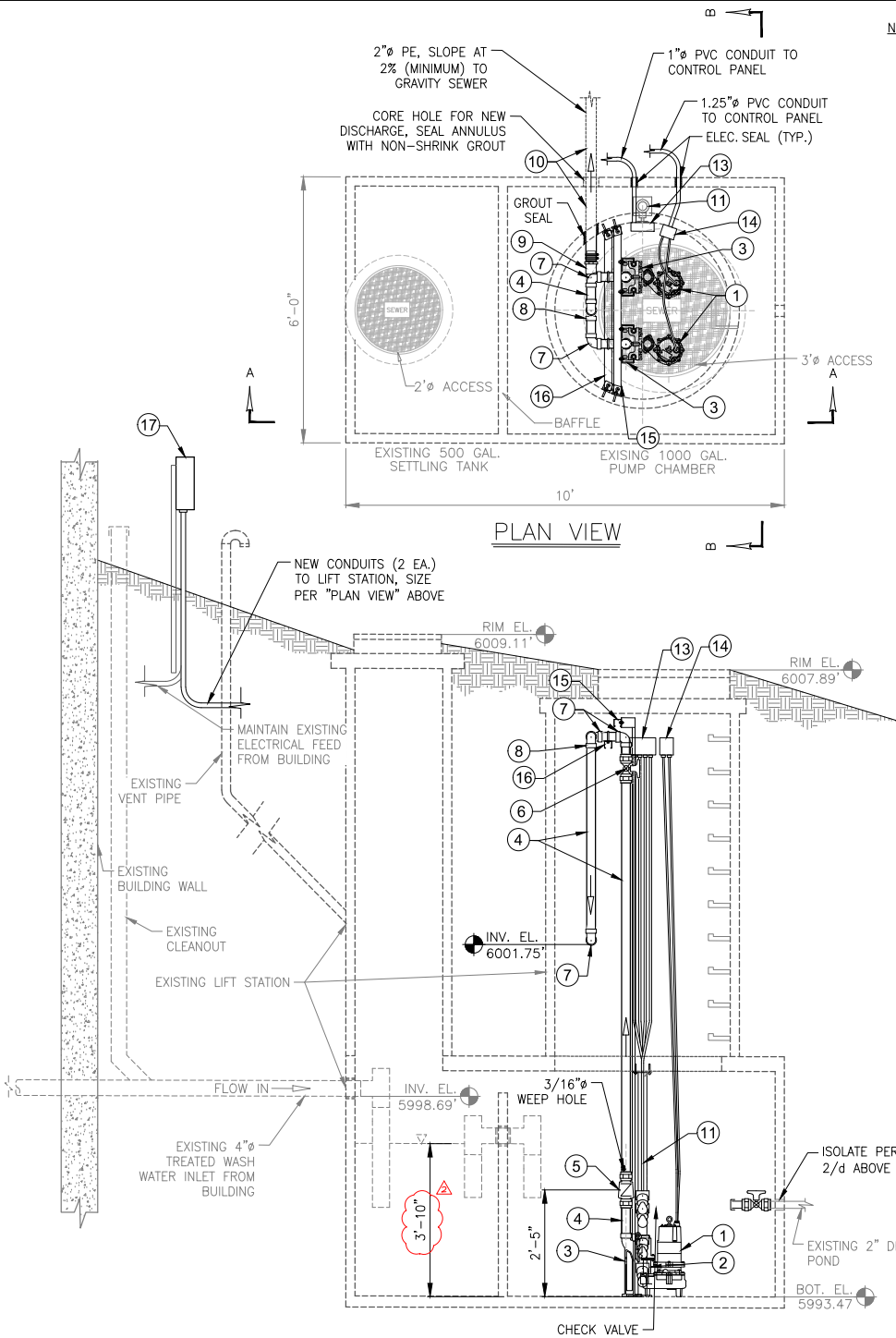
8
C3.2

SLOPE TRANSITION DETAIL

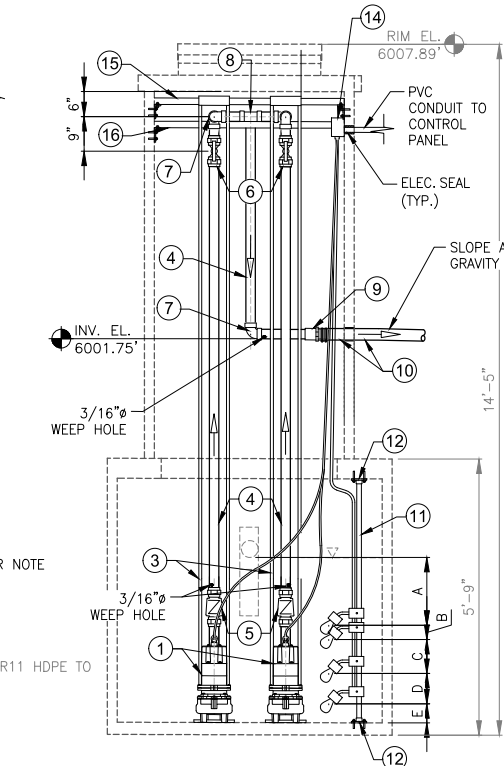
SCALE: N.T.S.



| | | | | | | |
|--|--|------------------------------------|--|------------|---------|-----------------|
| DRAWING NO C3.2 | | JOB TITLE WYDOT/TCSD SEWER LINE | DRAWING TITLE SITE CIVIL DETAILS | DATE | 1/20/19 | REV. 1-28-19 |
| JOB NO SFD# 1155 NE# 18-322-01 | | WYDOT FACILITY - DISTRICT NO. 3 | | ENGINEERED | NE | |
| | | TETON COUNTY, WY | | DRAWN | jlk | |
| | | | | CHECKED | | |
| | | | | APPROVED | | |
| | | |  P.O. BOX 1599, JACKSON WYOMING (307) 733-2087 | | | |



SECTION VIEW A-A



SECTION VIEW B-B

1
C3.3
DUPLUX LIFT STATION
SCALE: NTS

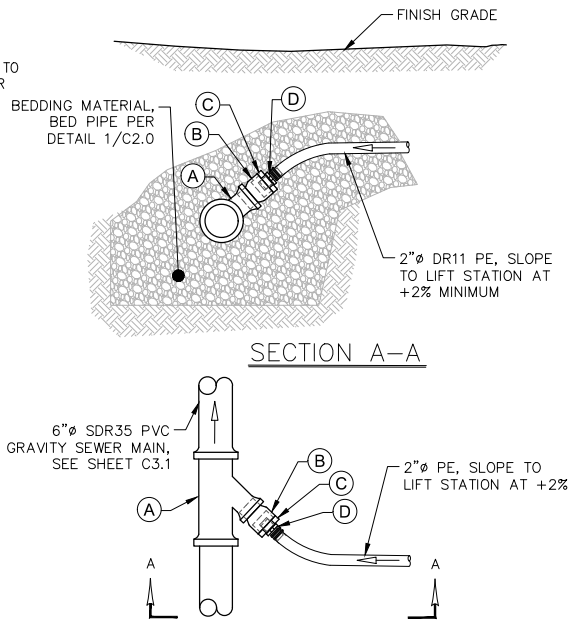
NOTES:

- CONTRACTOR SHALL ARRANGE FOR PUMPING AND CLEANING OF THE SETTLING AND PUMP CHAMBERS W/IN THE EXISTING TANK. ALL LIQUID AND SOLIDS SHALL BE REMOVED AND DISPOSED OF BY CONTRACTOR.
- DEMOLITION: CONTRACTOR SHALL REMOVE EXISTING DUPLEX PUMPING EQUIPMENT INCLUDING THE FOLLOWING:
 - PUMPS (2 EA), PITLESS DISCONNECTS, RAILS, PULL CHAINS AND CONNECTING HARDWARE.
 - PLUMBING INCLUDING DISCHARGE PIPE AND VALVES.
 - ALL ELECTRICAL INCLUDING FLOATS, AND ELECTRICAL CONDUIT CABLING AND JUNCTION BOXES. NOTE: ELECTRICAL FEED FROM THE BUILDING TO THE EXISTING CONTROL PANEL AND THE MOUNTING FRAME FOR THE CONTROL PANEL MAY BE RE-USED.
 - PLACE SCH40 PLASTIC VALVE ON PIPE END AND CAP IN-PLACE.
 - REMOVE EXISTING ELECTRICAL CONDUIT AND SEAL PENETRATIONS WATER-TIGHT WITH NON-SHRINK GROUT.
- NEW EQUIPMENT: THE EXISTING LIFT STATION CONTAINS SIMILAR EQUIPMENT TO WHAT IS CALLED FOR IN THIS DETAIL. CALLOUTS FOR NEW EQUIPMENT SHALL IMPLY THAT EXISTING EQUIPMENT IS REMOVED AND NEW EQUIPMENT INSTALLED.
 - ALL NEW EQUIPMENT FURNISHED AND INSTALLED SHALL BE OF ADEQUATE SIZE AND TYPE FOR THE INTENDED APPLICATION.
 - COORDINATE LOCATION OF PUMP BASES WITH ENGINEER PRIOR TO INSTALLATION.
 - PUMP MOUNTING HARDWARE INCLUDING RAILS, LIFT CHAIN/CABLE, ATTACHMENT HARDWARE (STRUT, BRACKETS, NUTS AND BOLTS) SHALL BE STAINLESS STEEL.
 - CORE NEW PENETRATIONS FOR ELECTRICAL CONDUIT AND PUMP DISCHARGE PIPING PER PLAN.
 - COMPLY WITH SECTION 33 32 16 - WASTEWATER PUMPING STATION.
 - COMPLY WITH SECTION 26 00 00 - BASIC ELECTRICAL REQUIREMENTS.
- FINAL ELECTRICAL INSTALLATION SHALL COMPLY WITH STATE, LOCAL AND FEDERAL (NEC) REQUIREMENTS. CONTRACTOR SHALL OBTAIN AND PAY FOR AN ELECTRICAL PERMIT AND FINAL INSPECTION BY LOCAL AUTHORITY HAVING JURISDICTION; PROOF OF INSPECTION AND APPROVAL SHALL BE FURNISHED TO THE ENGINEER.
- BURY DEPTH FOR ALL ELECTRICAL SHALL BE A MINIMUM OF 30-INCHES IN ACCORDANCE WITH DETAIL 3/C3.3.
- PUMPS FLOAT SETTINGS:
 - A: INLET & ALARM = 483 GAL. (29")
 - B: ALARM & LAG ON = 116 GAL. (7")
 - C: LAG ON & LEAD ON = 583 GAL. (35")
 - D: LEAD ON = 383 GAL. (23")
 - E: LEAD OFF & BOTTOM = 183 GAL. (11")
- CONTRACTOR SHALL ARRANGE FOR ALL TESTING/STARTUP PROCESSES. FINAL OPERATIONS OF THE LIFT STATION SHALL BE APPROVED BY THE ENGINEER.

| ITEM | QTY | DESCRIPTION AND COMMENTS |
|------|--------------|---|
| 1 | 2 | MYERS WHR5-11-DS. 1/2 HP, 115V, 1Ø, 60HZ PUMPS; 60 GPM @ 16 FT. TDH |
| 2 | 2 | 2"Ø TH. X TH. SCHEDULE 40 STAINLESS STEEL PIPE NIPPLE |
| 3 | 2 | BARMESA MODEL SRC-2 PITLESS DISCONNECT W/ STAINLESS STEEL (S.S.) GUIDE RAIL ASSEMBLY AND 20-FT S.S. LIFT CABLE AND SHACKEL, SEE NOTE 3/b |
| 4 | QTY PER PLAN | 2" SCH.80 (ASTM D1785) PVC PIPE AND FITTINGS |
| 5 | 2 | 2" FLO-CONTROL PVC TRUE UNION SWING CHECK VALVE (SOC. X SOC.) |
| 6 | 2 | 2" SPEARS TRUE UNION 2000 PVC BALL VALVE (SOC. X SOC.) |
| 7 | 5 | 2" SCH.80 (ASTM D1785) PVC 90 DEG. BEND (SOC.) |
| 8 | 1 | 2" SCH.80 (ASTM D1785) PVC TEE (SOC.) |
| 9 | 1 | 2" PVC ADAPTOR (INSERT X BARB) W/ S.S. BANDS (2 EA.) |
| 10 | QTY PER PLAN | 2" DR11 PE4710 (CONTINUOUS TO CONNECTION AT GRAVITY SEWER MAIN), INSTALL WITH DETECTABLE WARNING TAPE PER SECTION 31 20 00. TERMINATE WARNING TAPE ABOVE GRADE ADJACENT TO CLEANOUT AND LIFT STATION LID. |
| 11 | 1 | ORENCO FLOAT SWITCH ASSEMBLY W/ MOTOR RATED FLOATS (4 EA.) |
| 12 | 2 | 2" PVC SOCKET COMPANION FLANGE, BOLT TO FLOOR WITH 1/2"Ø X 3/4" L. HILTI KWIK S.S. ANCHOR BOLTS, WASHER & NUT (2 EA.) |
| 13 | 1 | ORENCO SB4 INTERNAL ELECTRICAL SPLICE BOX WITH 4 CORD GRIPS |
| 14 | 1 | ORENCO SB2 INTERNAL ELECTRICAL SPLICE BOX WITH 2 CORD GRIPS |
| 15 | 1 | 1 1/2" SQ. 12 GA. STRUT, ATTACH TO WALL WITH 3-HOLE 90° ANGLE BRACKET (2 EA.), 1/2"Ø X 3/4" L. HILTI KWIK ANCHOR BOLTS (4 EA.) AND 1/2"Ø BOLTS W/ NUTS (2 EA.). ATTACH PUMP RAIL BRACKET TO STRUT WITH 1/2"Ø BOLTS W/ NUTS (2 EA.). ALL MOUNTING AND RESTRAINING HARDWARE SHALL BE STAINLESS STEEL AND MANUFACTURED BY GIBSON STAINLESS AND SPECIALITY INC., OR APPROVED EQUAL |
| 16 | 1 | 1 1/2" SQ. 12 GA. STRUT, ATTACH TO WALL WITH 3-HOLE 90° ANGLE BRACKET (2 EA.), 1/2"Ø X 3/4" L. HILTI KWIK ANCHOR BOLTS (4 EA.) AND 1/2"Ø BOLTS W/ NUTS (2 EA.). SECURE 2"Ø PVC MANIFOLD TO STRUT WITH 2-PIECE CONDUIT CLAMP (2 EA.). ALL MOUNTING AND RESTRAINING HARDWARE SHALL BE STAINLESS STEEL AND MANUFACTURED BY GIBSON STAINLESS AND SPECIALITY INC., OR APPROVED EQUAL |
| 17 | 1 | MYERS CE-11DW NEMA 4X DUPLEX OUTDOOR CONTROL PANEL, 115V, 1PH W/ ALARM LIGHT |

NOTES:

- QUANTITIES FOR EQUIPMENT AND MATERIALS ARE PROVIDED FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL VERIFY, FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS REQUIRED FOR COMPLETION OF THE LIFT STATION.
- EQUIPMENT LISTED ABOVE IS AS SPECIFIED OR APPROVED EQUAL.
- CONTRACTOR SHALL VERIFY COMPATIBILITY OF ALL EQUIPMENT PRIOR TO PROCUREMENT.



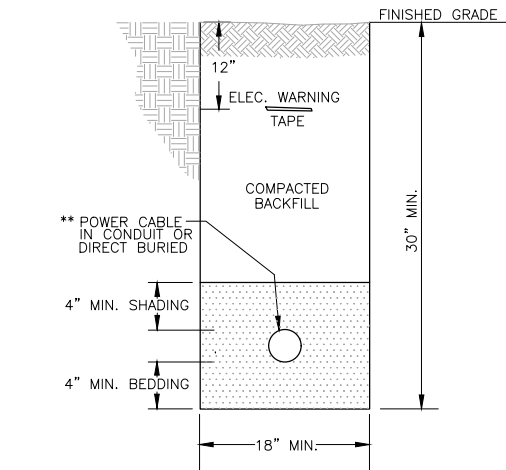
PLAN VIEW

| ITEM | QTY | DESCRIPTION AND COMMENTS |
|------|-----|---|
| A | 1 | 6"x4" SDR35 PVC GASKETED REDUCING WYE |
| B | 1 | 4" SDR35 SEWER ADAPTOR (SPIGOT X SOLVENT) SEWER HUB |
| C | 1 | 4" X 2" SCH40 REDUCER BUSHING (SPIGOT X FPT) |
| D | 1 | 2" PVC MALE BARBED INSTERT ADAPTOR (INST X MPT) W/ S.S. BANDS (2 EA.) |

NOTES:

- NEW SERVICE CONNECTIONS SHALL BE INSPECTED AND APPROVED BY ENGINEER PRIOR TO BACKFILL.
- COMPLETE WATER LEAK TESTING OF PRESSURE SEWER PIPE IN THE PRESENTS OF THE ENGINEERING PER SECTION 33 31 00.
- INSTALL DETECTABLE WARNING TAPE WITH PRESSURE SEWER IN ACCORDANCE WITH SECTION 31 20 00.

2
C3.3
PRESSURE SEWER CONNECTION
SCALE: NTS



NOTES:

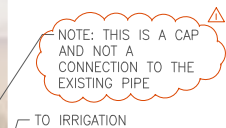
- WHEN ELECTRICAL CONDUCTORS CROSS OVER OR UNDER WATER, SEWER AND/OR GAS PIPES, THERE SHALL BE A MINIMUM OF 12" VERTICAL SEPARATION.
- INSTALLED CONDUIT MUST BE INSPECTED BY ENGINEER PRIOR TO BACKFILLING. IF NOT INSPECTED, TRENCH MAY BE REJECTED.
- BEDDING AND SHADING MATERIAL MUST BE SMOOTH, FREE OF ROCKS, AND MUST BE ABLE TO SIFT THROUGH A 1/4" SCREEN (SAND RECOMMENDED).

3
C3.3
ELECTRIC TRENCH DETAIL
SCALE: NTS



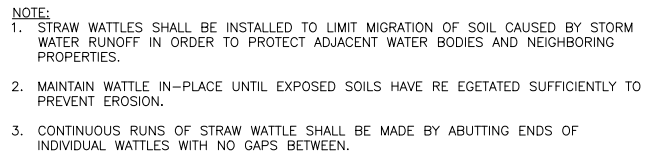
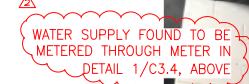
JACKSON
1160 Alpine Lane, Ste 2a
PO BOX 3227
Jackson, WY 83002
(307) 733-9551

BOZEMAN
37 North Flare Bldg
PO BOX 160
Bozeman, WY 83002
(208) 354-0151



SCALE: NTS

- NOTES:**
1. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING METER. NEW METER SHALL BE SUPPLIED BY THE TOWN OF JACKSON AND FURNISHED TO CONTRACTOR BY WYDOT.
 2. WORK SHALL BE COMPLETED BY A LICENSED PLUMBER IN ACCORDANCE WITH SECTION 22 11 16. PLUMBING PARTS AND INSTALLATION SHALL COMPLY WITH ADOPTED PLUMBING CODES.
 3. BUILDING WATER SERVICE INTERRUPTIONS SHALL BE COORDINATED WITH ENGINEER/OWNER AND TAKE PLACE OUTSIDE OF NORMAL WORK HOURS OF THE WYDOT FACILITY.
 4. CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY FITTINGS, PIPE AND COMPONENTS TO COMPLETE THE METER INSTALLATION. PIPE AND ANGLE FITTINGS SHALL BE ASTM B88, TYPE K COPPER W/ SOLDER JOINTS, 1/2" OR APPROVED OR APPROVED EQUAL.
 5. DISINFECT ALL WETTED PARTS PRIOR TO INSTALLATION AND FLUSH WATER LINES FOLLOWING INSTALLATION IN ACCORDANCE WITH AWWA C651.
 6. PER PLUMBING CODE, PROVIDED DIELECTRIC INSULATORS AND CONNECTORS TO PREVENT ELECTROLYSIS BETWEEN DISSIMILAR METALS.
 7. INSULATE ALL EXPOSED PIPING; INSULATION SHALL MATCH EXISTING, OR APPROVED EQUAL.



SCALE: N.T.S.

- NOTES:
1. WORK SHALL BE COMPLETED BY A LICENSED PLUMBER IN ACCORDANCE WITH SECTION 22 11 16. PLUMBING PARTS AND INSTALLATION SHALL COMPLY WITH ADOPTED PLUMBING CODES.
 2. NEW METER SHALL BE SUPPLIED BY THE TOWN OF JACKSON AND FURNISHED TO CONTRACTOR BY WYDOT.
 3. BUILDING WATER SERVICE INTERRUPTIONS SHALL BE COORDINATED WITH ENGINEER/OWNER.
 4. PIPE AND ANGLE FITTINGS SHALL BE ASTM B88, TYPE K COPPER W/ SOLDER JOINTS, MATCH EXISTING, OR APPROVED EQUAL.
 5. WITH EXCEPTION TO THE METER, CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY FITTINGS, PIPE AND COMPONENTS TO COMPLETE THE METER INSTALLATION.
 6. DISINFECT ALL WETTED PARTS PRIOR TO INSTALLATION AND FLUSH WATER LINES FOLLOWING INSTALLATION IN ACCORDANCE WITH AWWA C651.
 6. PER PLUMBING CODE, PROVIDED DIELECTRIC INSULATORS AND CONNECTORS TO PREVENT ELECTROLYSIS BETWEEN DISSIMILAR METALS.
 4. INSULATE ALL EXPOSED PIPING; INSULATION SHALL MATCH EXISTING, OR APPROVED EQUAL.

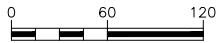
SCALE: NTS

APPENDIX D

Proposed WYDOT Employee Housing Dev. Plan



CONCEPTUAL SITE PLAN



| DRAWING NO | JOB TITLE | DRAWING TITLE | REV. | | | |
|------------|---------------------------------|------------------|----------|----------|------------|----------|
| | | | DATE | SURVEYED | ENGINEERED | APPROVED |
| EX. A | WYDOT EMPLOYEE HOUSING | CONCEPTUAL PLAN | 7-8-2021 | NE | jlk | |
| JOB NO | WYDOT FACILITY - DISTRICT NO. 3 | SEWER CONNECTION | | | | |
| 20-234-01 | TETON COUNTY, WY | | | | | |

**NELSON
ENGINEERING**
P.O. BOX 1599, JACKSON WYOMING (307) 733-2087