

From: [Kaylee Carr](#)
To: [Robinson, James](#)
Cc: [Nicole Parks](#); [Alissa Salmore](#)
Subject: RE: 21860 - US-91, Park Lawn to Siphon Road - Sole Source Aquifer Checklist
Date: Friday, April 26, 2024 10:42:39 AM
Attachments: [21860 SSA Checklist 04262024.pdf](#)

Mr. Robinson,

I have attached a revised Sole Source Aquifer checklist to address all your questions. Both LUST sites are to the south of the project area (900 and 1400 feet away). If contamination is encountered during construction, IDEQ should be notified. However, the probability of risk associated with construction in the area is low. Additionally, the hazardous materials memorandum has been attached to the updated checklist. Supporting documentation from the public records request is available upon request. A plan set detailing drainage and road/sidewalk improvements has been attached to the checklist as well.

Please let me know if you need any further information.

Thank you,

Kaylee Carr | Biologist/Environmental Scientist | Water and Environment
David Evans and Associates, Inc.

9175 W Black Eagle Dr | Boise, ID 83709 | www.deainc.com
d: 208.900.9029 | c: 208.994.9883 | Cisco: 47029 | kaylee.carr@deainc.com

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From: Robinson, James <Robinson.James@epa.gov>
Sent: Wednesday, April 24, 2024 4:30 PM
To: Kaylee Carr <Kaylee.Carr@deainc.com>
Cc: Nicole Parks <Nicole.Parks@deainc.com>; Alissa Salmore <Alissa.Salmore@itd.idaho.gov>
Subject: RE: 21860 - US-91, Park Lawn to Siphon Road - Sole Source Aquifer Checklist

Ms. Carr,

Thank you for contacting the R10 Sole Source Aquifer program. Can you provide any additional

information on the locations of the LUST sites? Are any plans/mitigation measures in place in the event that contamination is discovered during construction? Please also include a figure/plan set of the proposed design showing the approximate locations of the proposed retention basin and associated piping, and road/sidewalk improvements.

Regards,

James Robinson, PE, PG

Underground Injection Control and Sole Source Aquifer Programs
U.S. EPA Region 10
Alaska Operations Office

Phone: 907.271.6627

From: Kaylee Carr <Kaylee.Carr@deainc.com>

Sent: Tuesday, April 23, 2024 2:59 PM

To: Robinson, James <Robinson.James@epa.gov>

Cc: Nicole Parks <Nicole.Parks@deainc.com>; Alissa Salmore <Alissa.Salmore@itd.idaho.gov>

Subject: 21860 - US-91, Park Lawn to Siphon Road - Sole Source Aquifer Checklist

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Mr. Robinson,

I am working on a Federally funded transportation project which is located within the aquifer area of the Eastern Snake River Plain Sole Source Aquifer in Idaho. I have completed the required checklist that details the project specifics, see attached. Please provide a review of the project to ensure compliance with the sole source aquifer program. Please let me know if you have any questions or comments.

Thank you,

Kaylee Carr | Biologist/Environmental Scientist | Water and Environment

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Sole Source Aquifer Checklist

1. Location of Project and name of Sole Source Aquifer.

*The US-91, Park Lawn to Siphon Road project is located on US-91 and New Day Parkway, in the city of Chubbuck in Bannock County, Idaho (see attached vicinity map). The project is located within the **Eastern Snake River Plain Sole Source Aquifer**.*

2. Project description and federal funding source (e.g., Federal Highway Administration, Housing and Urban Development etc.)

Idaho Transportation Department (ITD) District 5 is proposing intersection improvements at US-91 (Yellowstone Avenue) and Siphon Road/New Day Parkway and associated roadway widening along US-91 from Park Lawn Avenue to Southside Way in Chubbuck, Idaho. This project includes Phase 1 as identified in the I-15 Environmental Study EA approved in 2012 under Key Number (KN) 9000. This is the last phase of the construction projects as all other phases have been constructed.

US-91 is a principal arterial that acts as an alternate route for Interstate-15 and passes through the Cities of Pocatello and Chubbuck. The intersection of US-91 and Siphon Road/New Day Parkway connects the urban core of Chubbuck to the Northgate Interchange (Exit #73). Traffic counts and future development indicate that this area will need to accommodate much higher traffic volumes. ITD has identified needed improvements to the US-91/Siphon Road/New Day Parkway intersection and widening of US-91 throughout the project limits, to accommodate these projected volumes. The project will include:

- Widening the existing US-91 three-lane section to five lanes,*
- A 12-foot northbound right-turn lane from US-91 onto eastbound New Day Parkway,*
- New curb and gutter throughout,*
- A 12-foot bike/pedestrian shared-use path along the east side of US-91 and both sides of New Day Parkway,*
- A five-foot sidewalk along both sides of US-91 and both sides of Siphon Road,*
- Widening the existing two-lane and three-lane sections of Siphon Road and New Day Parkway to five lanes,*
- Relocating approximately 585 feet of City owned sewer to accommodate the burying of the Chester Drain irrigation wasteway ditch,*
- Intersection capacity enhancements (including additional through and turn lanes), traffic signalization, as well as ADA curb ramps and crosswalks at the intersection of Siphon Road/New Day Parkway and US-91,*
- Storm sewer for US-91 milepost (MP) 81.15 to 81.66 and a stormwater basin at the southwest corner of the intersection of Siphon Road/New Day Parkway and US-91,*
- A three-lane (36 foot) public approach east of US-91 across from the existing Briscoe Road,*
- Signage, street lighting, and landscaping,*
- Modifying private approaches on US-91, Siphon Road, and New Day Parkway.*
- Construction of a parking lot for the 107 W Siphon Road property using the vacant field west of the property.*

3. Is there any increase of impervious surface? If so, what is the area?

Yes, an approximately 152,000 square feet increase.

4. Describe how storm water is currently treated on the site?

Conveys to roadside swale/ditch.

5. How will storm water be treated on this site during construction and after the project is complete?

Collected via curb inlets and conveyed to stormwater retention basin via 18-inch and 24-inch pipe (RCP).

6. Are there any underground storage tanks present or to be installed? Include details of such tanks.

No underground storage tanks will be installed as part of this project. Within the project area vicinity, three underground storage tanks (USTs) and two leaking underground storage tanks (LUSTs) were identified during a hazardous materials review for the project. The UST sites are between 900 and 3,000 feet south of the project area and the LUST sites are 900 and 1,400 feet south of the project area. The Hazardous Materials Memorandum is attached to this report.

7. Will there be any liquid or solid waste generated? If so, how will it be disposed of?
No.

8. What is the depth of excavation?

Pavement section excavation is 2.2 feet, storm drainpipe excavation ranges from three-feet to eight-feet, stormwater retention pond (located at the southwest corner of Siphon and US-91) excavation is eight-feet, signal foundations (located at Siphon and US-91) excavation is nine-feet to 12-feet, and irrigation pipe excavation is three-feet to 14-feet (deepest at Siphon and US-91).

9. Are there any wells in the area that may provide direct routes for contaminants to access the aquifer and how close are they to the project?

Review of Idaho Department of Water Resources (IDWR) well data for the project area identified nine wells within a half-mile of the project area. None of these wells are located within the project area. According to the IDWR, the closest well (Well 1) is approximately 330 feet from the project area. See attached well logs and map.

10. Are there any hazardous waste sites in the project area....especially if the waste site has an underground plume with monitoring wells that may be disturbed? Include details.

The Hazardous Material Administrative Review has been completed with information to date (September 2023). Due to the close proximity of seven sites, public record requests were sent to IDEQ on September 15, 2023. Inspection of the documentation provided by IDEQ determined that all seven of the sites have been remediated with no further action required or contamination was limited to the property of the site. If contamination is encountered during construction, IDEQ should be notified. However, the probability of risk associated with construction in the area is low. The Hazardous Materials Memorandum is attached to this report. Supporting documentation is available upon request.

11. Are there any deep pilings that may provide access to the aquifer?
No.

12. Are Best Management Practices planned to address any possible risks or concerns?

Yes, a Stormwater Pollution Prevention Plan (Erosion Control Measures) will be implemented.

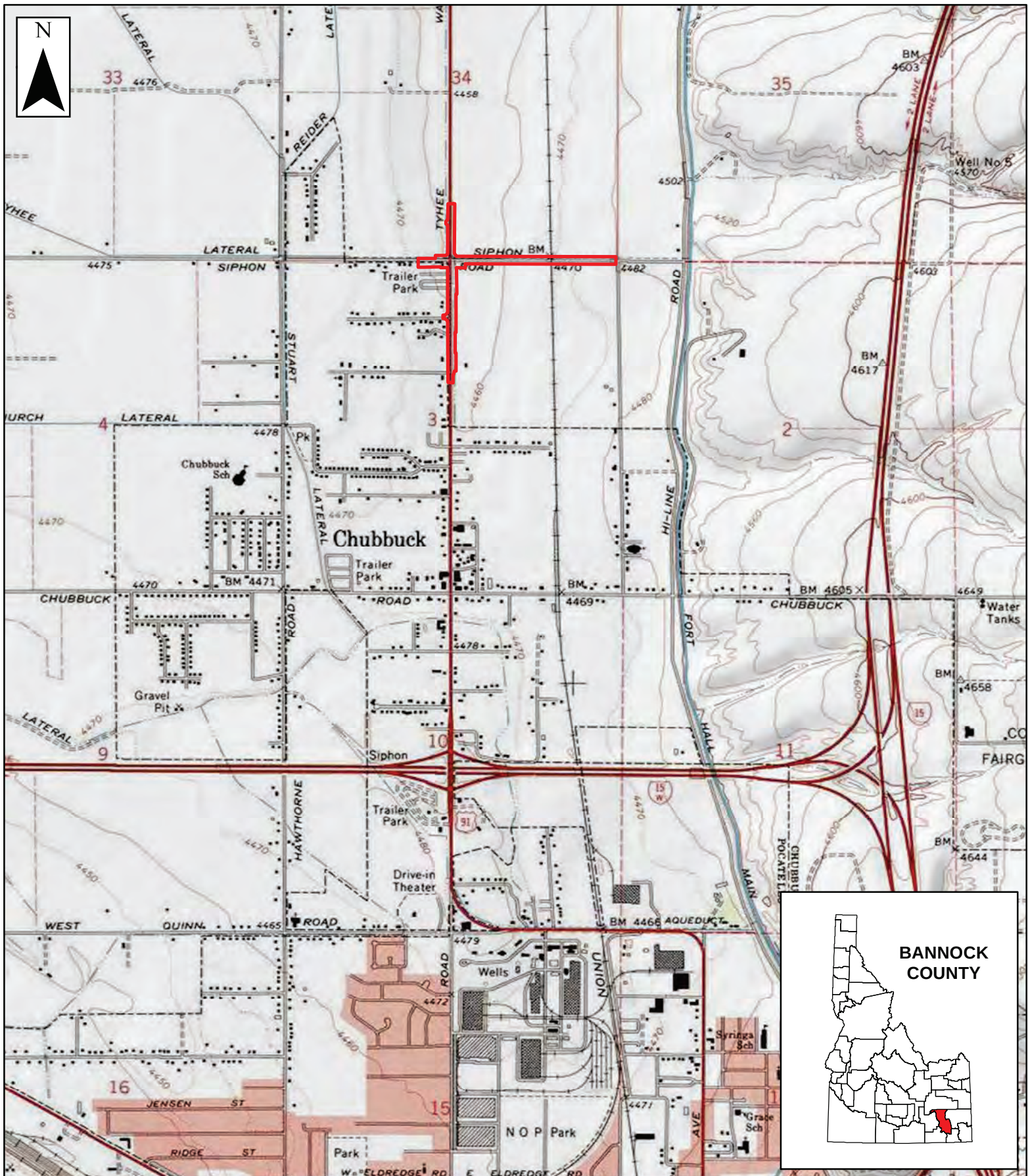
13. Is there any other information that could be helpful in determining if this project may have an effect on the aquifer?

No additional information.

14. Does this Project include any improvements that may be beneficial to the aquifer, such as improvements to the wastewater treatment plan?

The addition of a stormwater retention pond (located at the southwest corner of Siphon and US-91).

The EPA Sole Source Aquifer Program may request additional information if impacts to the aquifer are questionable after this information is submitted for review.



Vicinity Map for US-91, Park Lawn to Siphon Road, Bannock Co
 Project No. A021(860), Key No. 21860

Legend

Project Area

0 2,000 4,000 Feet

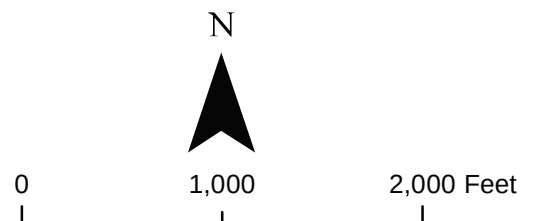


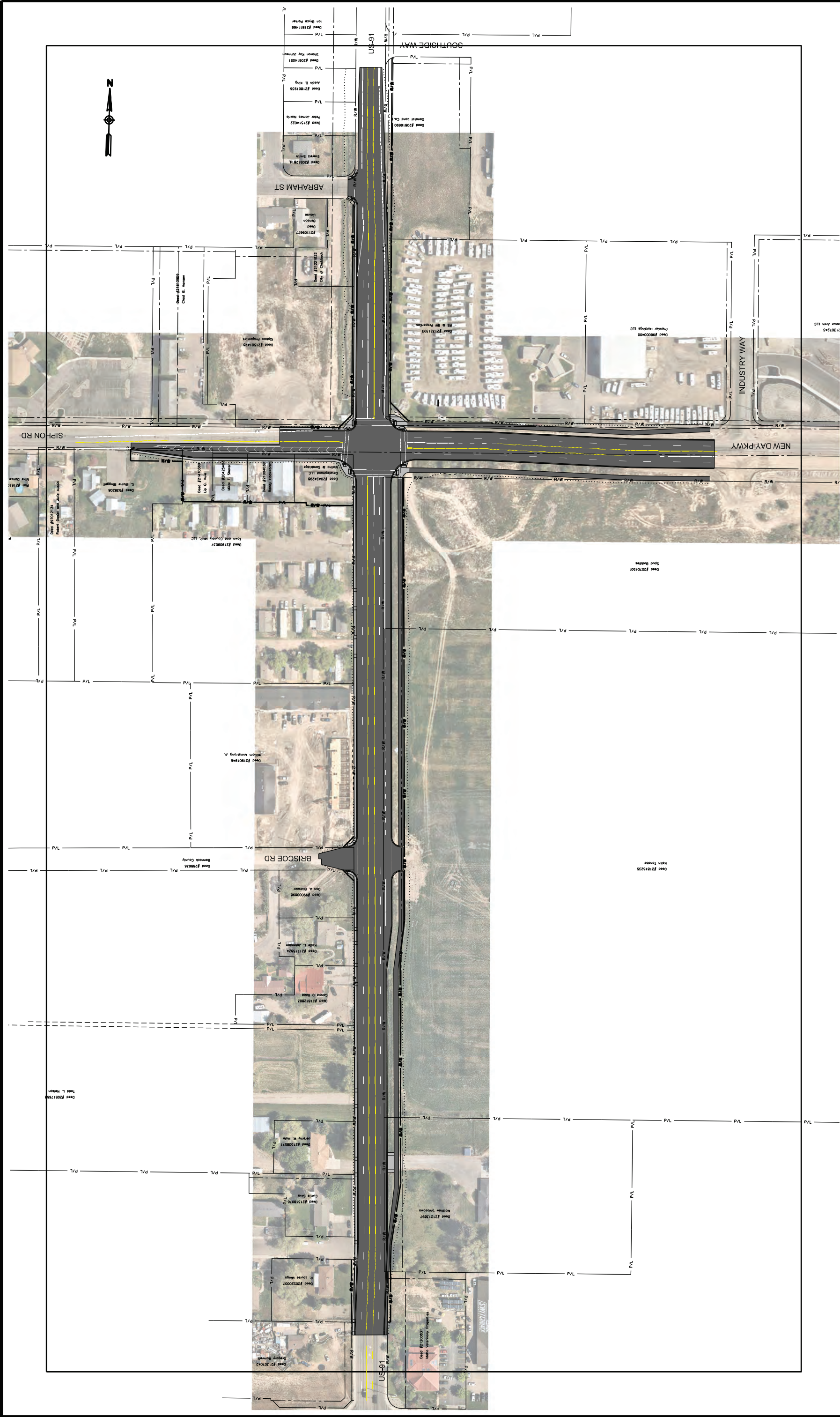
Well Map for US-91, Park Lawn to Siphon Road, Bannock Co
Project No. A021(860), Key No. 21860

Legend

● Wells

□ Project Area





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PROJECT NO.

A021(860)

KEY NO.

21860

US-91 - PARK LAWN TO SIPHON RD

CHUBBUCK, ID

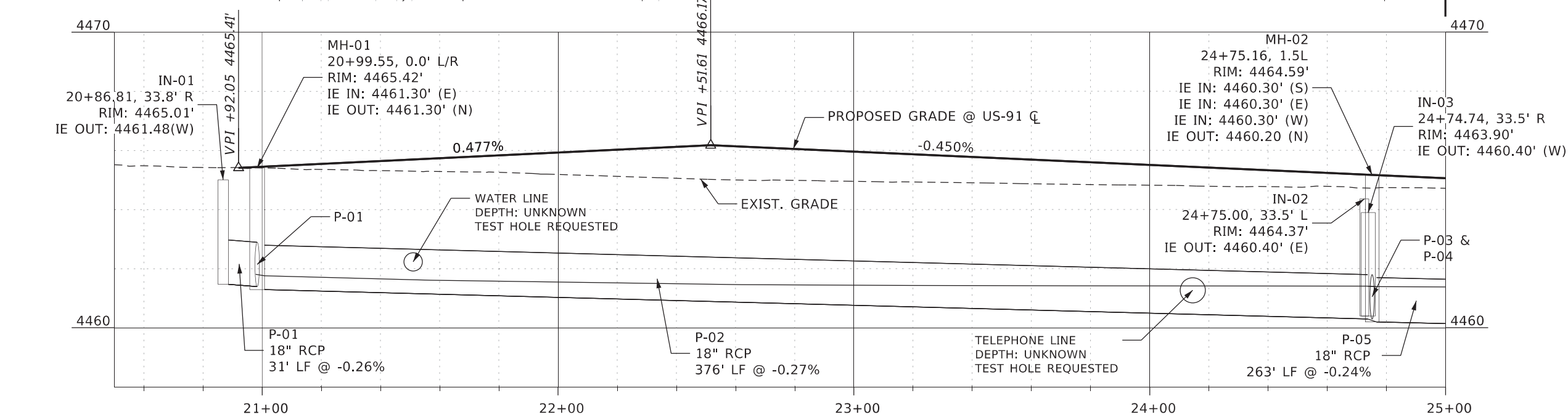
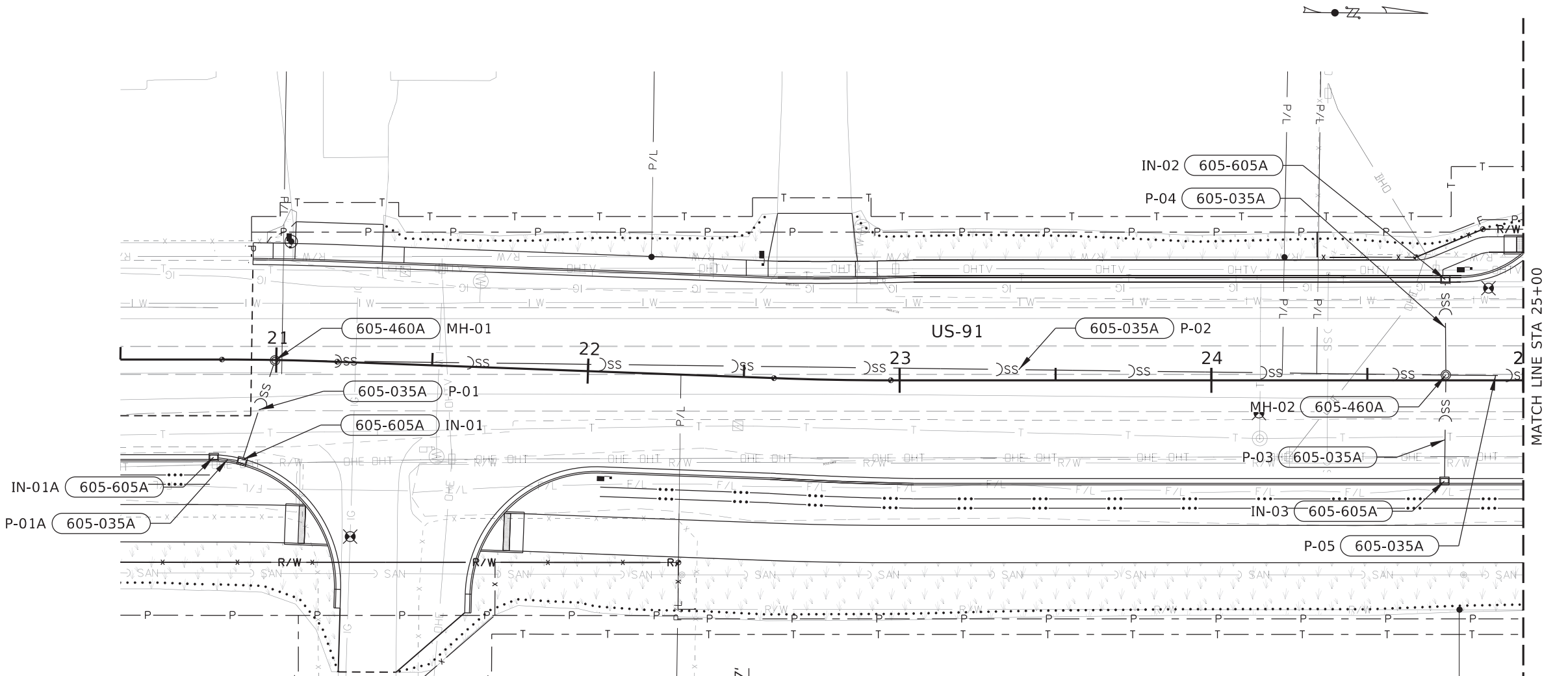
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YOUR SAFETY IS OUR ROAD. ROADWAY DESIGN & CONSTRUCTION

STIMES SDATES SUSERNAMES \$FILES



- 605-035A** 18" STORM SEWER PIPE
- 6 FT P-01A; IN-01A TO IN-01
 - 31 FT P-01; IN-01 TO MH-01
 - 373 FT P-02; MH-01 TO MH-02
 - 31 FT P-03; IN-03 TO MH-02
 - 28 FT P-04; IN-02 TO MH-02
 - 24 FT P-05; MH-02 TO 25+00
- 605-460A** MANHOLE TYPE B
- 1 EA MH-01; 20+99.55, 0.0' R
 - 1 EA MH-02; 24+75.16, 1.5' L
- 605-605A** INLET TYPE 1
- 1 EA IN-01A; 20+79.89, 32.5' R
 - 1 EA IN-01; 20+89.37, 33.8' R
 - 1 EA IN-03; 24+74.74, 33.5' R
 - 1 EA IN-02; 24+75.00, 33.5' L

NOTE:
ALL FLANKER INLET PIPES (P-XXA/B) HAVE SLOPE OF -0.33% FROM THEIR RESPECTIVE INLETS (IN-XXA/B) TO THE CENTER INLET (IN-XX), UNLESS NOTED OTHERWISE.

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AT: ITD, District 5
5151 South 5th,
Pocatello, ID

REVISIONS			
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DESIGN CHECKED	D. TURNER
DETAILED	M. SOCHA
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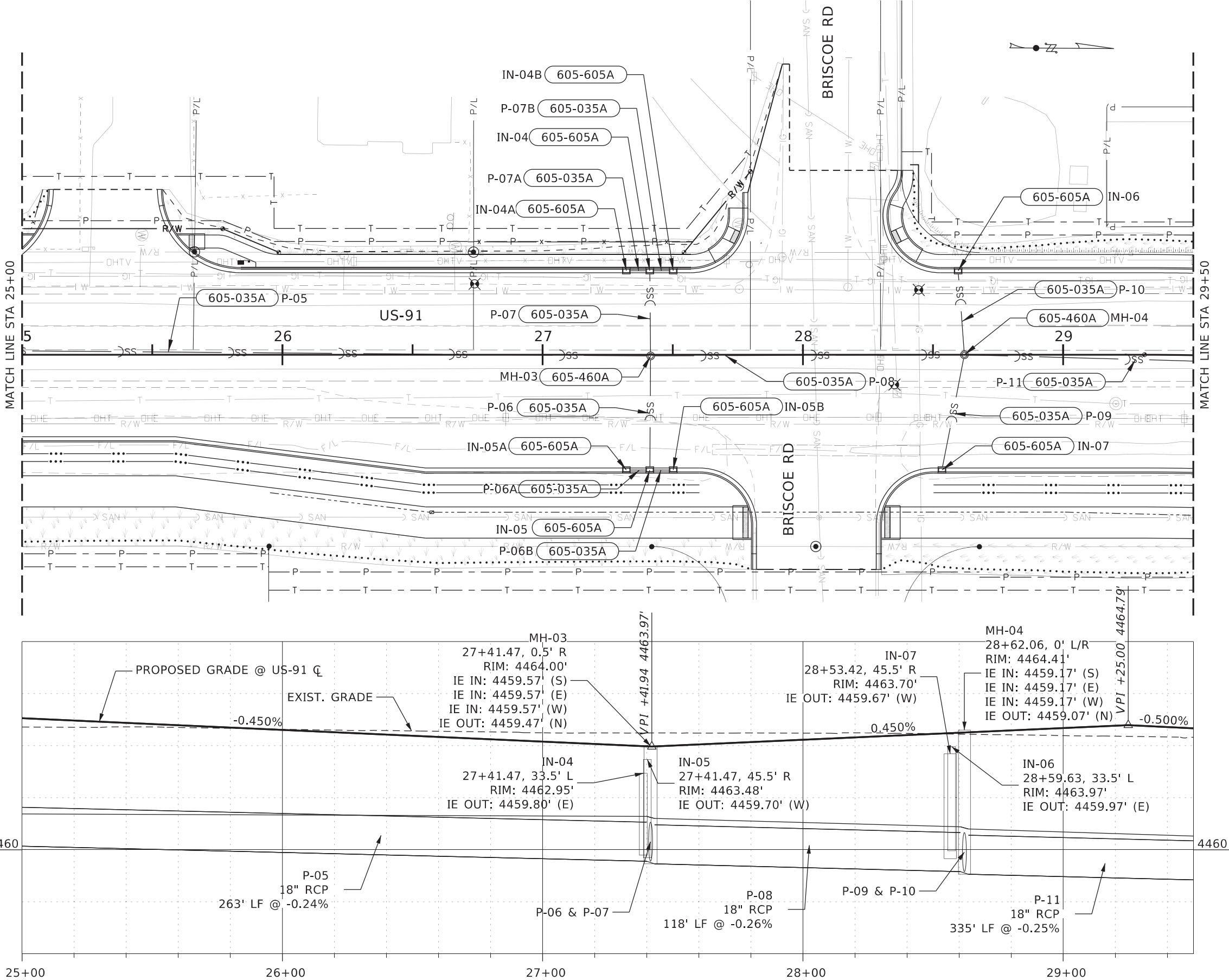
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PROJECT NO.
A021(860)

DRAINAGE PLAN / PROFILE SHEET
US-91, PARK LAWN AVE TO SIPHON ROAD CHUBBUCK

ENGLISH
COUNTY BANNOCK
KEY NUMBER 21860
SHEET 37 OF 108

NOT
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PRELIMINARY
FOR
CONSTRUCTION



- 605-035A** 18" STORM SEWER PIPE
- 240 FT P-05; MH-02 TO MH-03
41 FT P-06; IN-05 TO MH-03
6 FT P-06A; IN-05A TO IN-05
6 FT P-06B; IN-05B TO IN-05
30 FT P-07; IN-04 TO MH-03
6 FT P-07A; IN-04A TO IN-04
6 FT P-07B; IN-04B TO IN-04
118 FT P-08; MH-03 TO MH-04
42 FT P-09; IN-07 TO MH-04
30 FT P-10; IN-06 TO MH-04
86 FT P-11; MH-04 TO 29+50
- 605-460A** MANHOLE TYPE B
- 1 EA MH-03; 27+41.47, 0.5' R
1 EA MH-04; 28+62.06, 0.0' L/R
- 605-605A** INLET TYPE 1
- 1 EA IN-05A; 27+32.18, 45.5' R
1 EA IN-05; 27+41.18, 45.5' R
1 EA IN-05B; 27+50.18, 45.5' R
1 EA IN-07; 28+53.42, 45.5' R
1 EA IN-04A; 27+32.16, 33.5' L
1 EA IN-04; 27+41.16, 33.5' L
1 EA IN-04B; 27+50.16, 33.5' L
1 EA IN-06; 28+59.63, 33.5' L

NOTE:
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HAVE SLOPE OF -0.33% FROM THEIR
RESPECTIVE INLETS (IN-XXA/B) TO THE
CENTER INLET (IN-XX), UNLESS NOTED
OTHERWISE.

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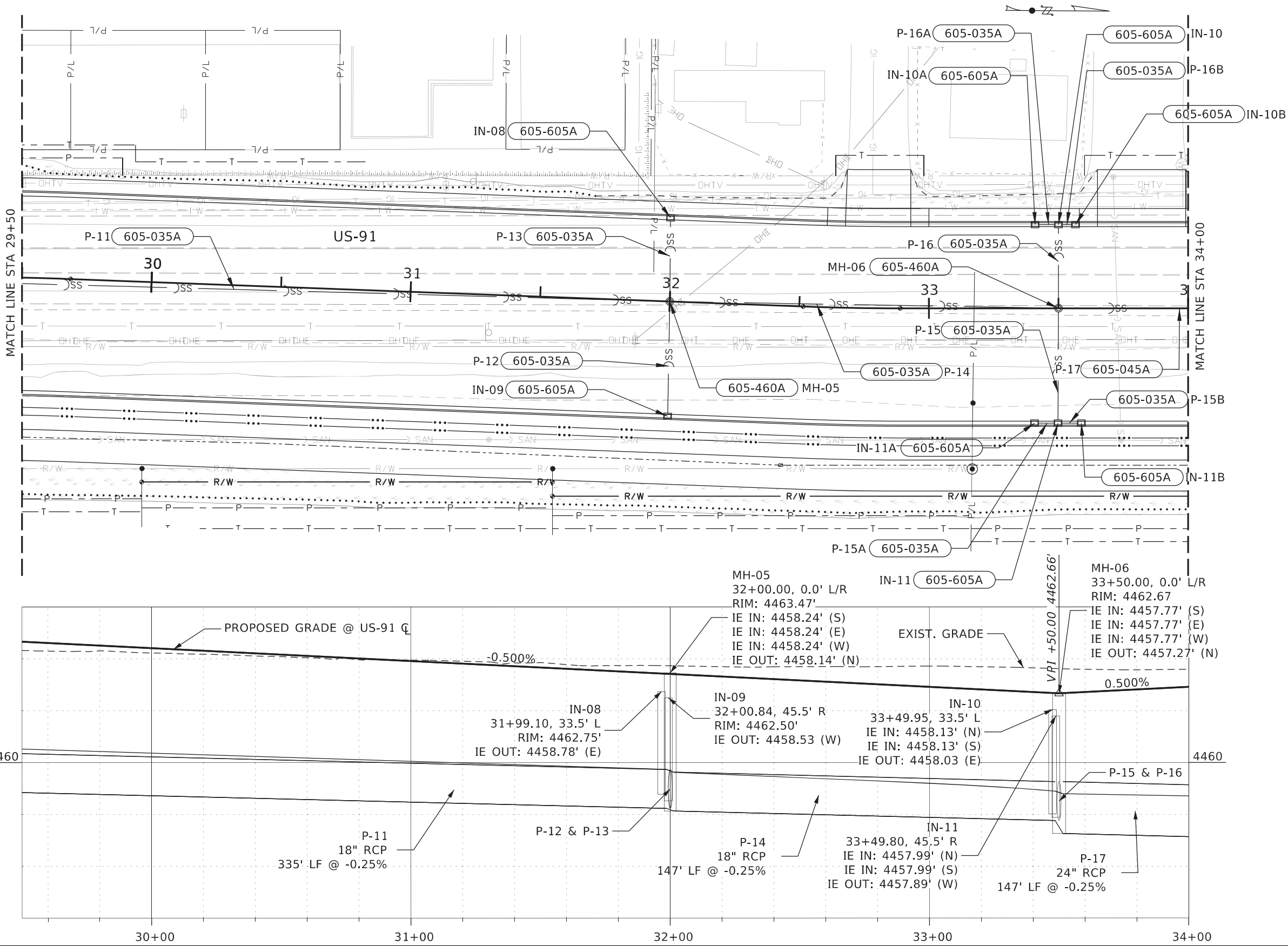
A021(860)

DRAINAGE PLAN / PROFILE SHEET

US-91, PARK LAWN AVE
TO SIPHON ROAD
CHUBBUCK

ENGLISH	
COUNTY	BANNOCK
KEY NUMBER	21860
SHEET	38 OF 108

NOT
APPROVED
PRELIMINARY
FOR
CONSTRUCTION



605-035A	18" STORM SEWER PIPE
249 FT	P-11; 29+50 TO MH-05
43 FT	P-12; IN-09 TO MH-05
29 FT	P-13; IN-08 TO MH-05
147 FT	P-14; MH-05 TO MH-06
42 FT	P-15; IN-11 TO MH-06
6 FT	P-15A; IN-11A TO IN-11
6 FT	P-15B; IN-11B TO IN-11
29 FT	P-16; IN-10 TO MH-06
6 FT	P-16A; IN-10A TO IN-10
4 FT	P-16B; IN-10B TO IN-10

605-045A	24" STORM SEWER PIPE
49 FT	P-17; MH-06 TO 34+00

605-460A	MANHOLE TYPE B
1 EA	MH-05; 32+00.00, 0.0' L/R
1 EA	MH-06; 33+50.00, 0.0' L/R

605-605A	INLET TYPE 1
1 EA	IN-09; 32+00.84, 45.5' R
1 EA	IN-11A; 33+40.80, 45.5' R
1 EA	IN-11; 33+49.80, 45.5' R
1 EA	IN-11B; 33+58.80, 45.5' R
1 EA	IN-08; 31+99.10, 33.5' L
1 EA	IN-10A; 33+41.00, 33.5' L
1 EA	IN-10; 33+49.95, 33.5' L
1 EA	IN-10B; 33+56.56, 33.5' L

NOTE:
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HAVE SLOPE OF -0.33% FROM THEIR
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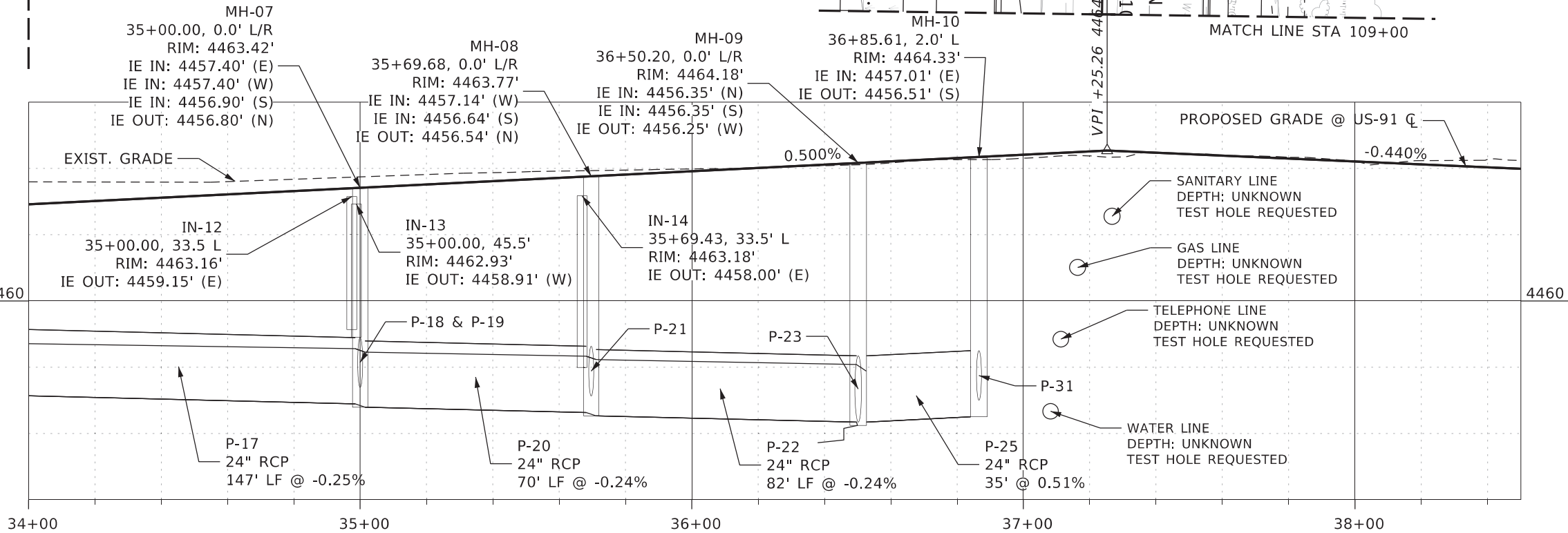
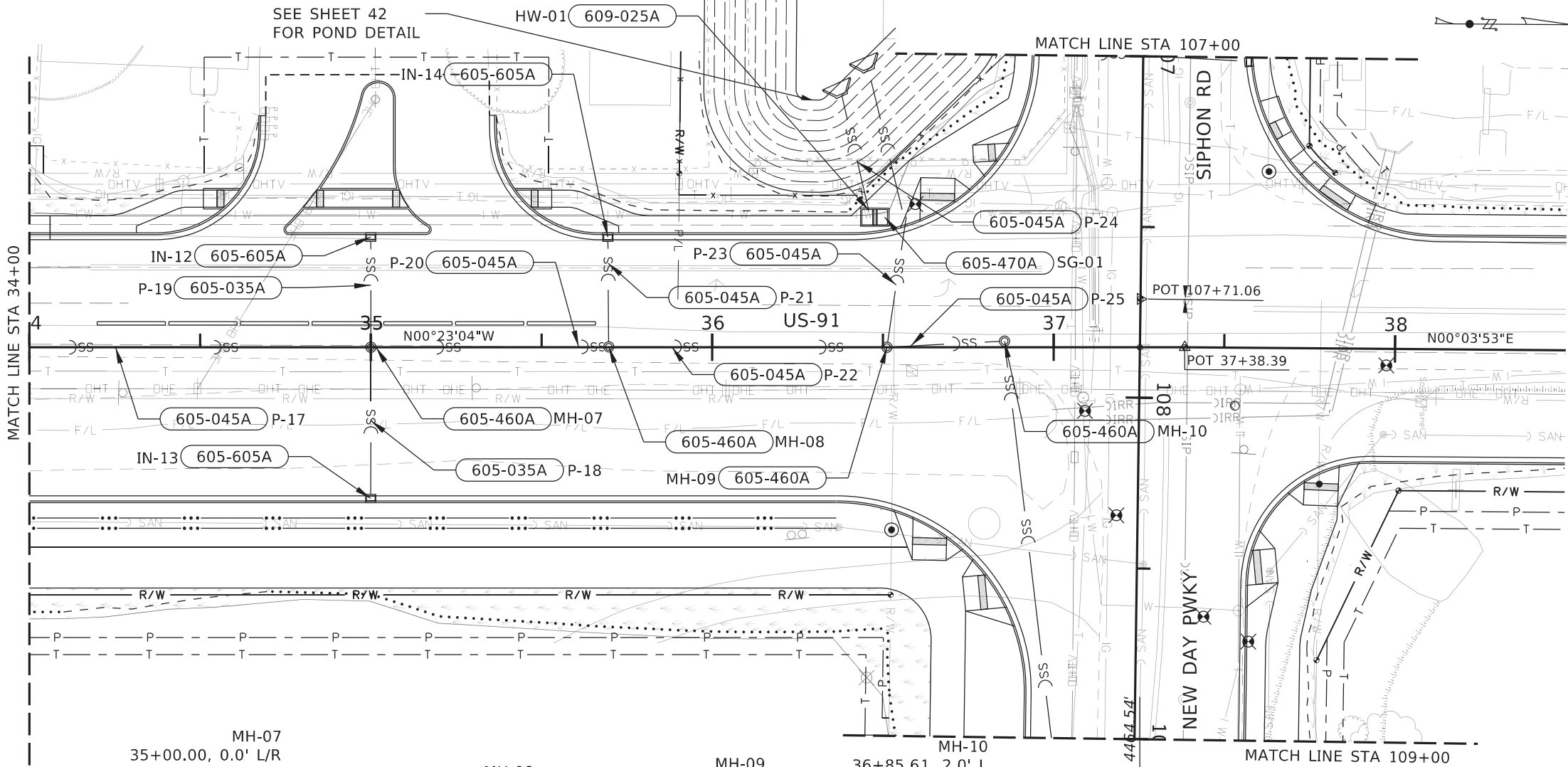
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PROJECT NO.
A021(860)

DRAINAGE PLAN / PROFILE SHEET
US-91, PARK LAWN AVE TO SIPHON ROAD CHUBBUCK

ENGLISH
COUNTY
BANNOCK
KEY NUMBER
21860
SHEET 39 OF 108

NOT
APPROVED
PRELIMINARY
FOR
CONSTRUCTION



- 605-045A 24" STORM SEWER PIPE**
 - 100 FT P-17; 34+00 TO MH-07
 - 70 FT P-20; MH-07 TO MH-08
 - 32 FT P-21; IN-14 TO MH-08
 - 82 FT P-22; MH-08 TO MH-09
 - 36 FT P-23; MH-09 TO SG-01
 - 34 FT P-24; SG-01 TO HW-01
 - 35 FT P-25; MH-09 TO MH-10
- 605-035A 18" STORM SEWER PIPE**
 - 44 FT P-18; IN-13 TO MH-07
 - 32 FT P-19; IN-12 TO MH-07
- 605-460A MANHOLE TYPE B**
 - 1 EA MH-07; 35+00.00, 0.0' L/R
 - 1 EA MH-08; 35+69.68, 0.0' L/R
 - 1 EA MH-09; 36+50.20, 0.0' L/R
 - 1 EA MH-10; 36+85.61, 2.0' L
- 605-470A SEDIMENT & OIL TRAP MANHOLE**
 - 1 EA SG-01; 36+47.59, 38.1' L
- 605-605A INLET TYPE 1**
 - 1 EA IN-13; 35+00.00, 45.5' R
 - 1 EA IN-12; 35+00.00, 33.5' L
 - 1 EA IN-14; 35+69.43, 33.5' L
- 609-025A MINOR STRUCTURE, HEADWALL**
 - 1 EA HW-01; 36+37.99, 73.6' L

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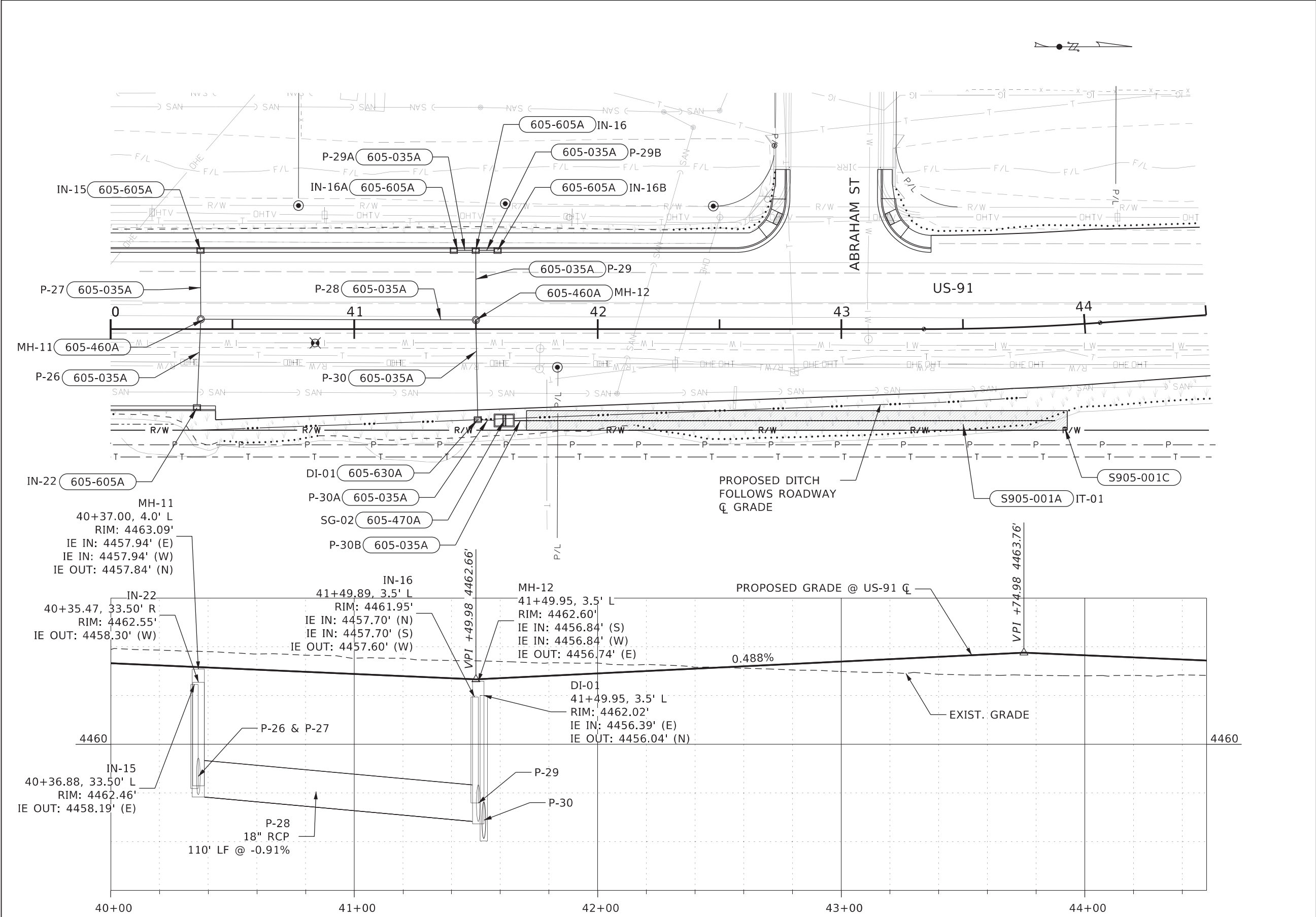
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DRAINAGE PLAN / PROFILE SHEET
US-91, PARK LAWN AVE TO SIPHON ROAD CHUBBUCK

ENGLISH
COUNTY
BANNOCK
KEY NUMBER
21860
SHEET 40 OF 108

ORIGINAL STORED
AT: ITD, District 5
5151 South 5th,
Pocatello, ID

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CONSTRUCTION



605-035A	18" STORM SEWER PIPE
38 FT	P-27; IN-22 TO MH-11
29 FT	P-27; IN-15 TO MH-11
113 FT	P-28; MH-11 TO MH-12
29 FT	P-29; IN-16 TO MH-12
42 FT	P-29A; IN-16A TO IN-16
9 FT	P-29B; IN-16B TO IN-16
9 FT	P-30; DI-01 TO MH-12
7 FT	P-30A; DI-01 TO SG-02
6 FT	P-30B; SG-02 TO IT-01

605-460A	MANHOLE TYPE B
1 EA	MH-11; 40+37.03, 4.0' L
1 EA	MH-12; 41+49.95, 4.0' L

605-605A	INLET TYPE 1
1 EA	IN-15; 40+36.88, 33.5' L
1 EA	IN-22; 40+35.47, 33.50' R
1 EA	IN-16A; 41+40.89, 33.5' L
1 EA	IN-16; 41+49.89, 33.5' L
1 EA	IN-16B; 41+58.89, 33.5' L

605-630A	INLET TYPE 8
1 EA	DI-01; 41+50.77, 38.5' R

605-470A	SEDIMENT AND OIL TRAP MANHOLE
1 EA	SG-02; 41+61.31, 38.0' R

S901-005A	INFILTRATION TRENCH
1 EA	IT-01; 41+70.60, 37.5' R - 43+90.72, 31.0' R

S901-005C	MONITORING WELL
1 EA	43+89, 42' R

NOTE:
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DESIGN CHECKED	D. TURNER
DETAILED	M. SOCHA
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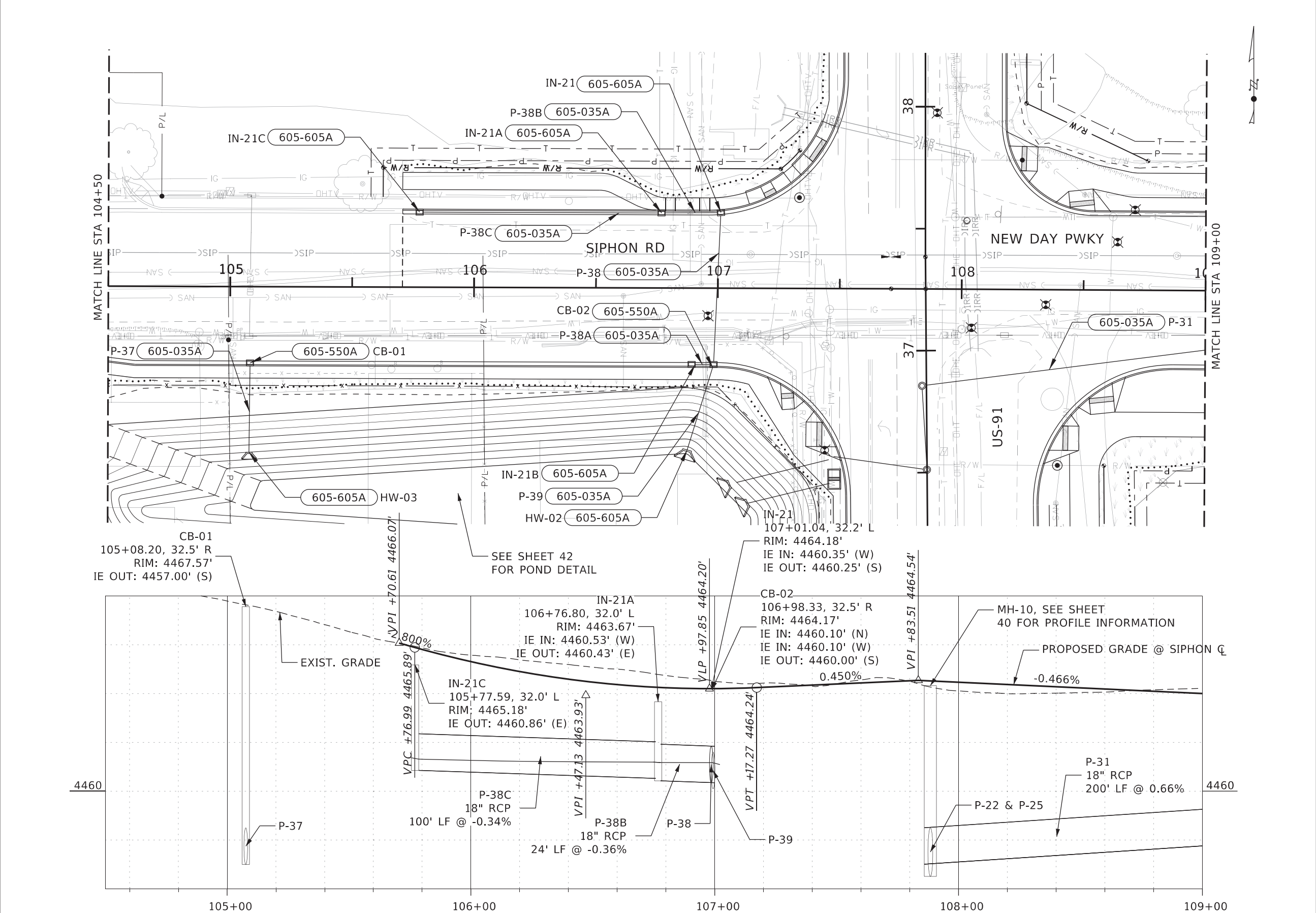
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A021(860)

DRAINAGE PLAN / PROFILE SHEET
US-91, PARK LAWN AVE TO SIPHON ROAD CHUBBUCK

ENGLISH
COUNTY
BANNOCK
KEY NUMBER
21860
SHEET 41 OF 108

NOT
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FOR
CONSTRUCTION



- 605-035A 18" STORM SEWER PIPE**
 - 117 FT P-31; MH-10 TO 109+00
 - 37 FT P-37; CB-01 TO HW-03
 - 62 FT P-38; IN-21 TO CB-02
 - 9 FT P-38A; IN-21B TO CB-02
 - 24 FT P-38B; IN-21A TO IN-21
 - 100 FT P-38C; IN-21C TO IN-21A
 - 37 FT P-39; CB-02 TO HW-02
- 605-550A SEDIMENT CONTROL CATCH BASIN**
 - 1 EA CB-01; 105+08.20, 32.5' R
 - 1 EA CB-02; 106+98.33, 32.5' R
- 605-605A INLET TYPE 1**
 - 1 EA IN-21B; 106+89.33, 32.5' R
 - 1 EA IN-21C; 105+77.11, 32.0' L
 - 1 EA IN-21A; 106+76.80, 32.0' L
 - 1 EA IN-21; 107+01.04, 32.2' L
- 609-025A MINOR STRUCTURE, HEADWALL**
 - 1 EA HW-03; 105+16.65, 77.4' R
 - 1 EA HW-02; 106+87.60, 66.3' R

NOTE:
ALL FLANKER INLET PIPES (P-XXA/B) HAVE SLOPE OF -0.33% FROM THEIR RESPECTIVE INLETS (IN-XXA/B) TO THE CENTER INLET (IN-XX), UNLESS NOTED OTHERWISE.

ORIGINAL STORED AT: ITD, District 5
5151 South 5th,
Pocatello, ID

NOT
APPROVED
PRELIMINARY
FOR
CONSTRUCTION

REVISIONS				DESIGNED	
NO.	DATE	BY	DESCRIPTION	M. SOCHA	
				DESIGN CHECKED	D. TURNER
				DETAILED	M. SOCHA
				DRAWING CHECKED	M. TOY

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
21860_HYDR_010.DGN

DRAWING DATE:
MARCH 2024

IDAHO
TRANSPORTATION
DEPARTMENT

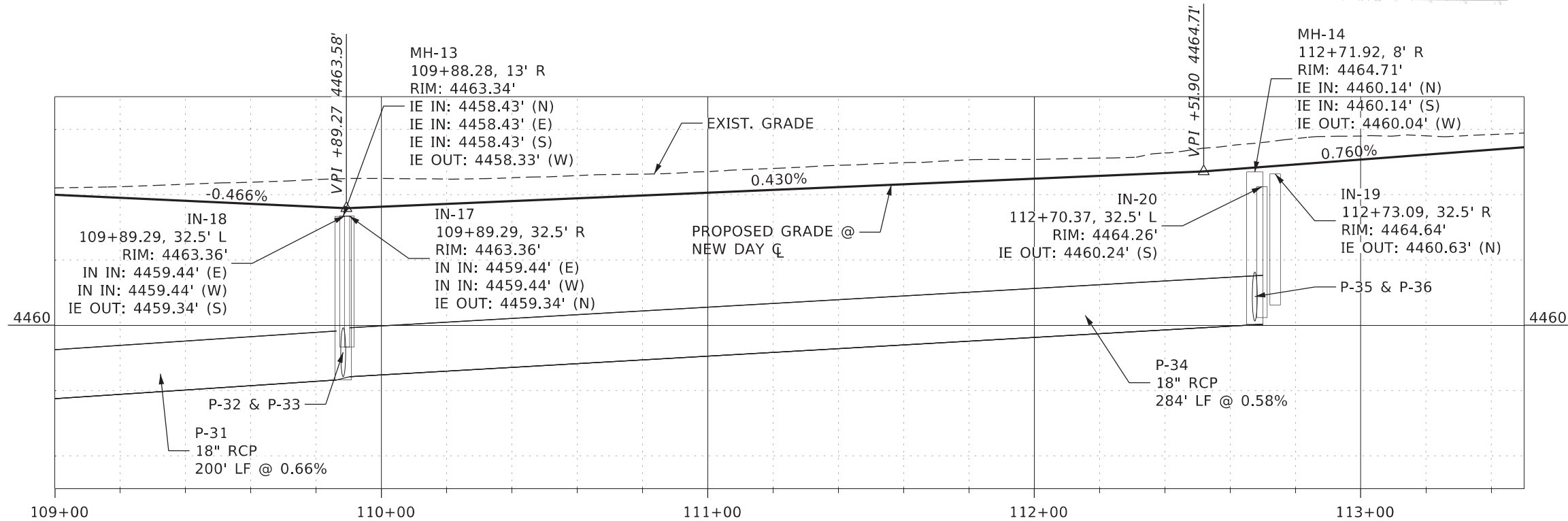
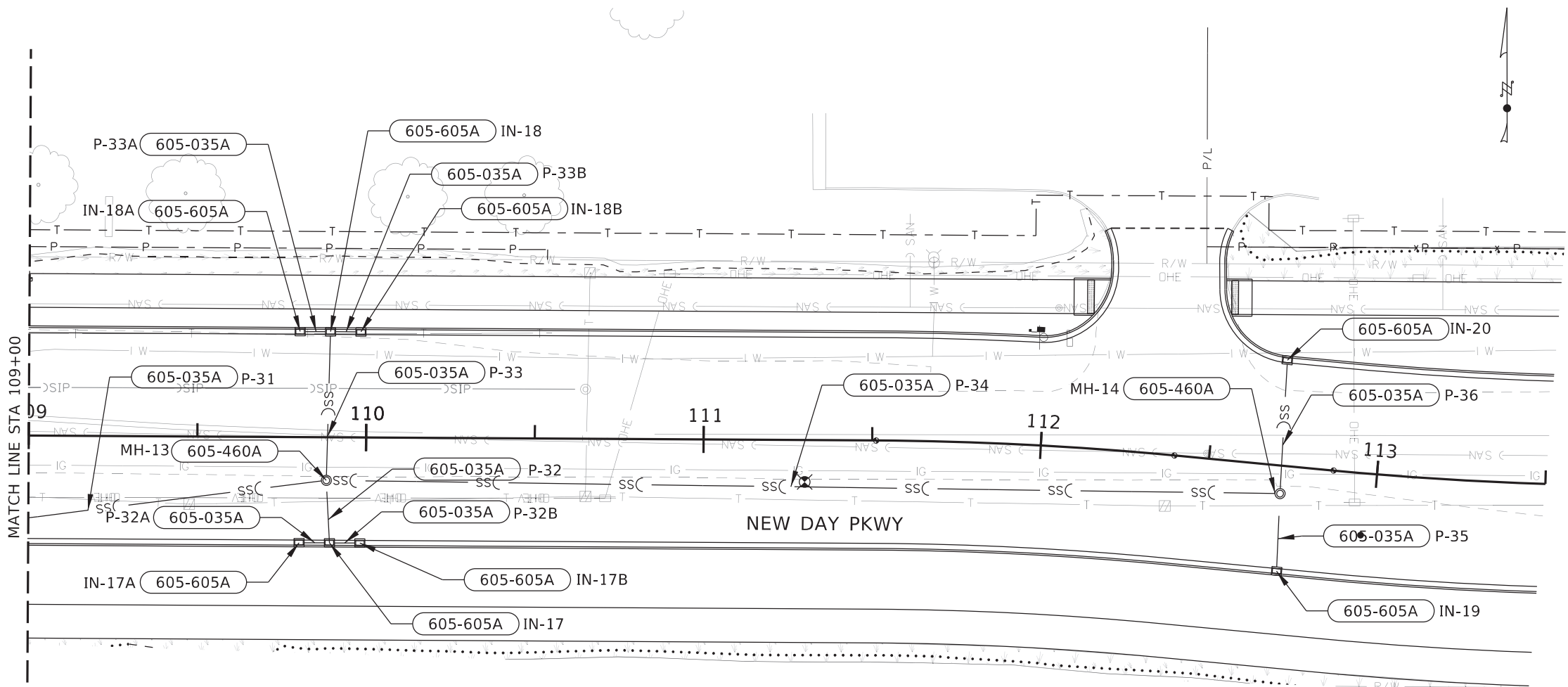
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Kimley»Horn

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PROJECT NO.	DRAINAGE PLAN / PROFILE SHEET
A021(860)	US-91, PARK LAWN AVE TO SIPHON ROAD CHUBBUCK

ENGLISH	
COUNTY	BANNOCK
KEY NUMBER	21860
SHEET	42 OF 108



605-035A	18" STORM SEWER PIPE
90 FT	P-31; 109+00 to MH-14
19 FT	P-32; IN-17 TO MH-14
9 FT	P-32A; IN-17A TO IN-17
9 FT	P-32B; IN-17B TO IN-17
44 FT	P-33; IN-18 TO MH-14
9 FT	P-33A; IN-18A TO IN-18
9 FT	P-33B; IN-18B TO IN-18
284 FT	P-34; MH-14 TO MH-15
23 FT	P-35; IN-19 TO MH-15
40 FT	P-36; IN-20 TO MH-15
605-460A	MANHOLE TYPE B
1 EA	MH-14; 109+88.28, 13.0' R
1 EA	MH-15; 112+71.92, 8.0' R
605-605A	INLET TYPE 1
1 EA	IN-17A; 109+80.29, 32.5' R
1 EA	IN-17; 109+89.29, 32.5' R
1 EA	IN-17B; 109+98.29, 32.5' R
1 EA	IN-18A; 109+80.29, 32.5' L
1 EA	IN-18; 109+89.29, 32.5' L
1 EA	IN-18B; 109+98.29, 32.5' L
1 EA	IN-19; 112+73.09, 32.5' R
1 EA	IN-20; 112+70.37, 32.5' L

NOTE:
ALL FLANKER INLET PIPES (P-XXA/B)
HAVE SLOPE OF -0.33% FROM THEIR
RESPECTIVE INLETS (IN-XXA/B) TO THE
CENTER INLET (IN-XX), UNLESS NOTED
OTHERWISE.

ORIGINAL STORED
AT: ITD, District 5
5151 South 5th,
Pocatello, ID

REVISIONS				DESIGNED
NO.	DATE	BY	DESCRIPTION	M. SOCHA
				DESIGN CHECKED D. TURNER
				DETAILED M. SOCHA
				DRAWING CHECKED M. TOY

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 21860_HYDR_011.DGN
DRAWING DATE: MARCH 2024

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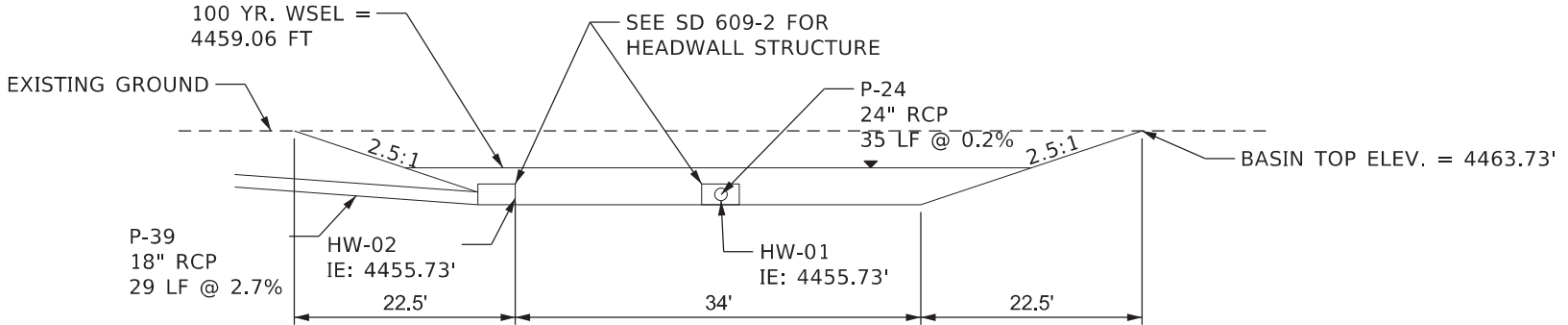
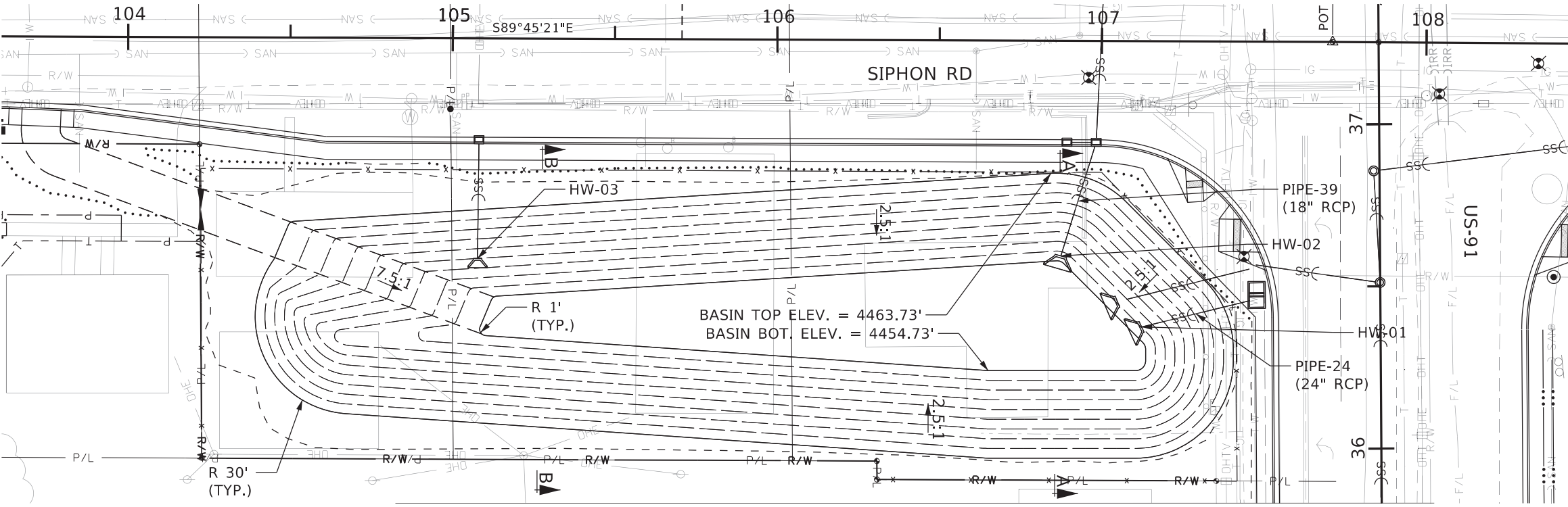
PROJECT NO.	DRAINAGE PLAN / PROFILE SHEET
A021(860)	US-91, PARK LAWN AVE TO SIPHON ROAD CHUBBUCK

ENGLISH
COUNTY BANNOCK
KEY NUMBER 21860
SHEET 43 OF 108

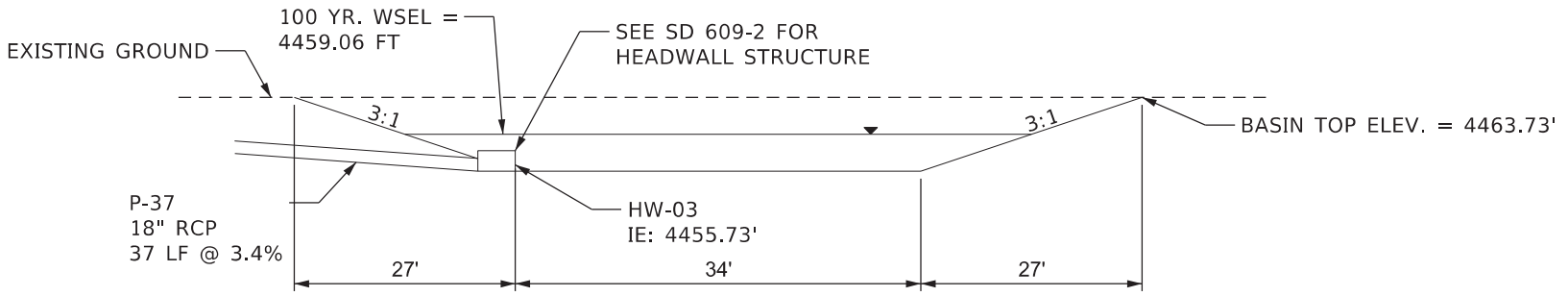
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PRELIMINARY
FOR
CONSTRUCTION

100-YR VOLUME REQUIRED = 0.94 AC-FT
100-YR VOLUME PROVIDED = 2.81 AC-FT

RETENTION BASIN PLAN



SECTION A-A
NTS



SECTION B-B
NTS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	M. SOCHA
DESIGN CHECKED	D. TURNER
DETAILED	M. SOCHA
DRAWING CHECKED	M. TOY

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
21860_HYDR_012.DGN

DRAWING DATE:
MARCH 2024

IDAHO
TRANSPORTATION
DEPARTMENT

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PROJECT NO.
A021(860)

RETENTION POND DETAIL
US-91, PARK LAWN AVE TO SIPHON ROAD CHUBBUCK

ENGLISH
COUNTY
BANNOCK
KEY NUMBER
21860
SHEET 44 OF 108

ORIGINAL STORED
AT: ITD, District 5
5151 South 5th,
Pocatello, ID

NOT
APPROVED
PRELIMINARY
FOR
CONSTRUCTION

Form 238(4)-2
9/8/96 (LDT)

(Internet)

ID Number 322319 (Well ID)
832797 (Permit ID)
888107 (Well App. No.)State of Idaho
Department of Water ResourcesAPPLICATION FOR
REPAIR () OR ABANDONMENT (✓) OF A WELL

1. LEGAL CONTACT (Owner or Operator)

Date: APRIL 12, 2005Name: KHOUD PORTERPhone Number 237-1804Mailing Address: 14358 W. SIPHON RD.City: CHUBBUCKState IDZip Code 83202

2. WELL LOCATION

Township 10 S., Range 34 E., Section 3, SE 1/4 OF NW 1/4 1/4Gov't Lot No. _____ County BANNOCKStreet Address of Well Site: 5231 YELLOWSTONE

Lot _____, Block _____, Subdivision Name _____

City CHUBBUCK

3. TYPE OF WELL

(✓) DOMESTIC: Water used for homes, organization camps, public campgrounds, livestock (1,000 head or less) and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

NON-DOMESTIC:

☐ Irrigation☐ Municipal☐ Industrial☐ Stock☐ Test☐ Other _____

(Over 1,000 head)

(Describe)

☐ INJECTION☐ MONITORING

4. WELL SPECIFICATIONS

Previous Drilling Permit Number _____

Water Right Number _____

Well Log on File? ☐ Yes ☐ NoCasing Size: 6" φ Material: STEEL

Temperature: _____

Casing Height Above Ground: AT GRADEFlowing Artesian? ☐ Yes ☐ NoStatic Water Level: 15 (Measured)Well Depth: 90 (Measured)

Remarks: _____

5. **CONDITION OF WELL, REPAIRS REQUIRED**N. A.8. **PROPOSED METHODS OF REPAIR OR ABANDONMENT**

(This Application must be approved prior to commencement of operations)

FILL CASING THE DEPTH OF STATIC WATER WITH BENTONITE PELLETS. FILL REMAINING CASING WITH CONCRETE GROUT TO A HIGH OF 4' BELOW GRADE. CUT OFF CASING AT 4' DEPTH AND BACKFILL THE HOLE AROUND THE CASING7. **NAME OF DRILLER OR INDIVIDUAL PERFORMING THE REPAIR OR ABANDONMENT**BROCK NICHOLS8. **DATE OF PROPOSED REPAIR OR ABANDONMENT** 04/14/059. **APPLICANT'S SIGNATURE** Craig Brown **DATE:** 04/12/05Title V.P. - BRENNAN CONSTRUCTION
(Owner, Firm Representative, Other)**ACTION OF THE DEPARTMENT OF WATER RESOURCES**This application for repair/abandonment is: Approved Date 18 April 2005

This approval does not constitute an endorsement of the proper abandonment of this well, without an attached document prepared by an Idaho Licensed Water Well Driller, Professional Geologist or Engineer who witnessed the procedure. This approval is subject to the following conditions of approval. READ CAREFULLY!

CONDITIONS OF APPROVAL:

1. Pursuant to Section 42-238(4), Idaho Code. All repairs and/or abandonment must meet the requirements of the Department's Rules and Regulations for Well Construction Standards.
2. Abandonment or repair of this well may require the services of a well driller licensed in the State of Idaho.

Dennis M. Dunn
Signature of Authorized Department RepresentativeSr. Water Resource Agent
Title

27-7000

REPORT OF WELL DRILLER

State of Idaho

RECEIVED
APR 8 1968
Department of Reclamation

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:

Name Fort Hall Sewer & Water Dist.Address Fort Hall, IdahoOwner's Permit No. 27-7000NATURE OF WORK (check): Replacement well ☐New well ☒ Deepened ☐ Abandoned ☐Water is to be used for: DomesticMETHOD OF CONSTRUCTION: Rotary ☐ Cable ☒Dug ☐ Other ☐

(explain)

CASING SCHEDULE: Threaded ☐ Welded ☒28 "Diam. from 0 ft. to 50 ft.16 "Diam. from 0 ft. to 154 ft.12 "Diam. from 140 ft. to 190 ft."Diam. from ft. to ft.Thickness of casing: 3/16 - 5/16 Material:Steel ☒ concrete ☐ wood ☐ other ☐28" 3/16" temp. 16" 5/16 12" Liner 1/4"

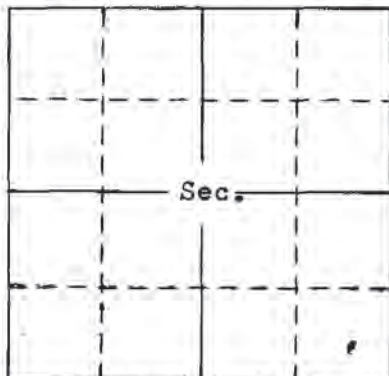
(explain)

PERFORATED? Yes ☐ No ☒ Type ofperforator used:

Size of perforations: " by "

perforations from ft. to ft.perforations from ft. to ft.perforations from ft. to ft.perforations from ft. to ft.WAS SCREEN INSTALLED? Yes ☐ No ☐Manufacturer's name Type Model No. Diam. Slot size Set from ft. to ft.Diam. Slot size Set from ft. to ft.CONSTRUCTION: Well gravel packed? Yes ☐No. ☒ size of gravel Gravelplaced from ft. to ft. Surface sealprovided? Yes ☐ No ☐ To what depth? ft. Material used in seal: Did any strata contain unusable water? Yes ☒No. ☐ Type of water: SANDYDepth of strata 18 ft. Method of sealingstrata off: Heat CementSurface casing used? Yes ☒ No ☐Cemented in place? Yes ☒ No ☐

Locate well in section

LOCATION OF WELL: County BenewahNE 1/4 Sec. 35 T. 4 S. R. 34 E.SE. SE.

Use other side for additional remarks

Size of drilled hole: 28-16-12 " Totaldepth of well: 300 ' Standing waterlevel below ground: 29 ' Temp. Fahr. 56 ° Test delivery: 2200 gpmor cfs Pump? ☒ Bail ☐

Size of pump and motor used to make test:

10" Pump - 100 B.H.P.Length of time of test: 33 Hrs. 30 Min.Drawdown: 9 " Artesian pressure: ft.above land surface Give flow cfsor gpm. Shutoff pressure:Controlled by: Valve ☐ Cap ☒ Plug ☐No control ☐ Does well leak around casing?Yes ☐ No ☒ **29752**

DEPTH MATERIAL WATER

FROM TO YES OR NO

FEET FEET

0 20 SAND20 24 SANDY CLAY24 40 CLAY40 45 SANDY CLAY45 55 Gravel55 65 SAND some gravel Yes65 107 Gravel water Yes107 120 CLAY & Gravel No120 130 CLAY small amount of gravel NO130 133 SAND and gravel Yes133 154 Broken lava (B/K) Yes154 170 Hard lava No170 176 Broken lava (B/K) No176 186 CLAY brown No186 188 Broken lava (B/K) No188 202 Hard lava (B/K) No202 237 BROWN SAND stone some Yes237 261 lava (B/K) NO261 272 Press lava some Yes272 285 Red lava hard No285 300 lava cinder some overice YesWork started: October 23, 1967Work finished: JANUARY 30, 1968

Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.

Name: JACK CushmanAddress: 1405 South BroadwaySigned by: JACK CushmanLicense No. 94 Date: Feb. 20, 1968

USGS

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

AUG 4 1977

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUse Typewriter
or
Ball Point Pen

RECEIVED

56383

1. DRILLING PERMIT NO. 29-93-E-0075-000

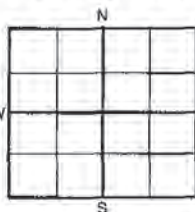
Other IDWR No. _____

2. OWNER:

Name Alec Alenakis
Address 11573 N Whitaker Road
City Postville State Id. Zip 83202

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

T. 6S North ☐ or South ☒
R. 34E East ☒ or West ☐
Sec. 3 SE 1/4 NE 1/4 1/4
Gov't Lot _____ County _____Address of Well Site 11573 North Whitaker Rd.

(Give at least Direction + Distance to Road or Landmark)

Lot No. _____ Block No. _____ Subd. Name _____

4. PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☒ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	From	To	
Well casing	0	20'			One bag.
Bedding clay				2 bags	

Was drive shoe seal tested? Y ☐ N ☐ How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Casting	Liner	Steel	Plastic	Welded	Threaded
6"	0	125'	.280			☒	☐	☒	☐

Final location of shoes 125'

Top Packer or Headpipe _____ Bottom Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☐ Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tail/Pipe Size

Casting _____
Liner _____
Date 08/19/95

10. WELL TESTS:

JUL 26 1994

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Depth	Time
30 gpm.			

Temperature of water _____ Was a water analysis done? Yes ☐ No ☐

By whom? _____

Water Quality (odor, etc.) _____

Bottom Hole Temperature _____

11. STATIC WATER LEVEL:

50' ft. below surface Depth artesian flow found _____

Artesian pressure _____ lb. Describe access port _____

Describe Controlling Devices: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	GPM	SWL
6"	0	20'	Soil	no	
	20	50'	clay, white	no	
	50	85'	sand	100	
	85	105'	Sand & gravel	100	
	105	125'	Gravel	100	

RECEIVED
AUG 03 1994
Department of Water Resources
Eastern District Office

AUG 1 1994
Department of Water Resources
Eastern District Office

Date: Started 8-31-93 Completed 9-03-93

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Gary Vollmer & Son Firm No. H03
Firm Official Gary Vollmer Date March 8-94
and Gary Vollmer Date March 8-94
Supervisor or Operator

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES