



# CITY OF SANDPOINT

1123 LAKE ST, SANDPOINT, ID 83864-1714

Phone: (208) 263-3428  
2024



## Construction Permit

**PERMIT #: PPIP24-0024**

**ISSUED: 06/14/2024**

**EXPIRES: 12/11/2024**

LOCATION:	OWNER:	ISSUED TO:
2022 NKA - PH 4 UNI PLACE  Zoning:	M&W Holdings, LLC. 809 W Main #303 Spokane, WA 99201  <b>Phone:</b> (509) 499-0937 <b>Fax:</b>	SONRAY ENTERPRISES LLC 217 CEDAR ST #185 SANDPOINT, ID 83864  <b>Phone:</b> (208) 263-4337 <b>License:</b> 038523

### Work Description:

Water & Sewer Main Extensions per plans prepared by Scott Brown, P.E. dated 6/10/2024 and approved by City of Sandpoint on 6/13/2024.

### Stipulations

This permit is a binding contract, including any approved for construction plans ("Approved for Construction") incorporated herein. The permittee shall not modify the plans or vary from the terms of this permit without notifying the City Engineer and obtaining pre-approval. Please be advised that once the permit is issued, you will have 10 business days to object to any term or condition of the permit. A failure to object, in writing, within 10 business days is deemed an acceptance of ALL terms and conditions of the issued permit. Please ensure to review all conditions included on subsequent pages of this permit.

This permit authorizes the contractor named above to perform the Work in accordance with the Providence Subdivision Water Construction Documents, prepared by Scott Brown, P.E. dated 6/10/2024 and approved by City of Sandpoint on 6/13/2024. Approved plans were submitted to Idaho Department of Environmental Quality on 6/14/2024.

**NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE CITY.**

**ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) LATEST EDITION** to include inspections, testing, and certifications by the Contractor. The design engineer is required to provide any construction oversight they deem necessary to certify that the water main extension was completed in accordance with the approved plans and Idaho State Rules & Regulations at the conclusion of the project.

No water mains or services shall be tapped without the City being present prior to and during the work.

Contractor to install the complete water service/meter connection as indicated on the approved plans. No water meters will be installed and no services will be activated/turned on by the City until a water user account has been established, addresses have been established by Bonner County, meter fees have been paid, and evidence of an Idaho State Plumbing permit has been provided to the City.

The permit requires that the Contractor maintain their Public Works Contractor License, Type 4 – Specialty

Construction, Category 02500-Utilities, until all Work is completed and accepted by the City, and through the warranty period. Additionally, General Commercial Liability coverage shall be maintained providing minimum limits of \$1 million per occurrence and \$2 million aggregate and naming the City of Sandpoint as an additionally insured.

Costs for the Work are borne by the Owner/Developer. Permit fees represent the Application Fee for administrative review, processing, fee in lieu for valves, and inspection costs. Fees for NUFFs, meters, and transponders will be assessed prior to activating accounts/services.

Prior to City acceptance or activation of the Public Infrastructure, the following shall be provided: (1) a letter signed by a professional engineer, licensed in Idaho, shall be provided to the City stating that all Work was completed in accordance with the plans and ISPWC; (2) Contractor shall provide as-built records, all testing reports, and (3) a warranty bond in the amount of 20% of the Work, for a period of two-years for all public infrastructure.

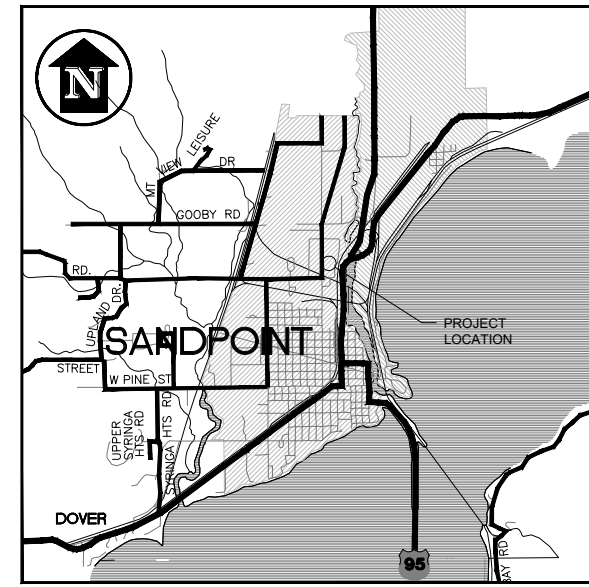
The permittee has a duty to ensure continuous compliance with all conditions of the approved plan permit, as well as all of the applicable provisions of City Code and appropriate state and federal requirements.

**WATER AND SEWER PLANS**  
**APPROVED FOR CONSTRUCTION**  
 BRANDON STAGLUND, P.E.  
 CIVIL ENGINEER, CITY OF SANDPOINT  
 06/13/2024

# UNIVERSITY PLACE PHASE 4A WATER AND SEWER PLANS

(PARCEL RPS0000151250A)

SECTION 15, TOWNSHIP 57 NORTH, RANGE 2 WEST, BOISE MERIDIAN, BONNER COUNTY, IDAHO



**VICINITY MAP**  
 NOT TO SCALE

### NOTES

1. ALL WORK SHALL CONFORM TO THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (2020) AND THE PROJECT SPECIFICATIONS SHOWN ON THESE PLANS.
2. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING SITE ELEMENTS SHOWN ON THESE PLANS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE BEGINNING WORK.
3. TOPOGRAPHIC SURVEY WAS PREPARED BY GLAHE & ASSOCIATES. THE ENGINEER CERTIFYING THESE DRAWINGS HAS NOT VERIFIED THE ACCURACY OF THE SURVEY. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND PROPERTY LINE LOCATIONS WITH THE PROJECT SURVEYOR PRIOR TO BEGINNING CONSTRUCTION. IT IS RECOMMENDED THAT ALL EXISTING SURVEY MONUMENTS BE IDENTIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
4. THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS PROPER TO CONSTRUCTION.
5. DISTURBED SURVEY MONUMENTS DURING CONSTRUCTION SHALL BE RESET BY A LICENSED IDAHO SURVEYOR AT THE CONTRACTOR'S EXPENSE.

### DRAWING INDEX

SHEET #	TITLE
1	COVER SHEET AND OVERALL SITE PLAN
2	LEGEND, PROJECT SPECIFICATIONS
3	WATER AND SEWER MAIN PLAN
4	SEWER MAIN PROFILES
5	WATER MAIN PROFILES
6	DETAILS
7	DETAILS



**CALL**  
 2 WORKING  
 DAYS  
**BEFORE**  
**YOU DIG!**

Bonner Boundary One Call  
**811**



NO.	DATE	REVISION

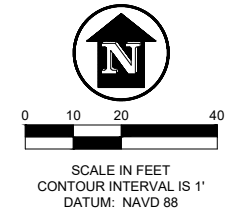
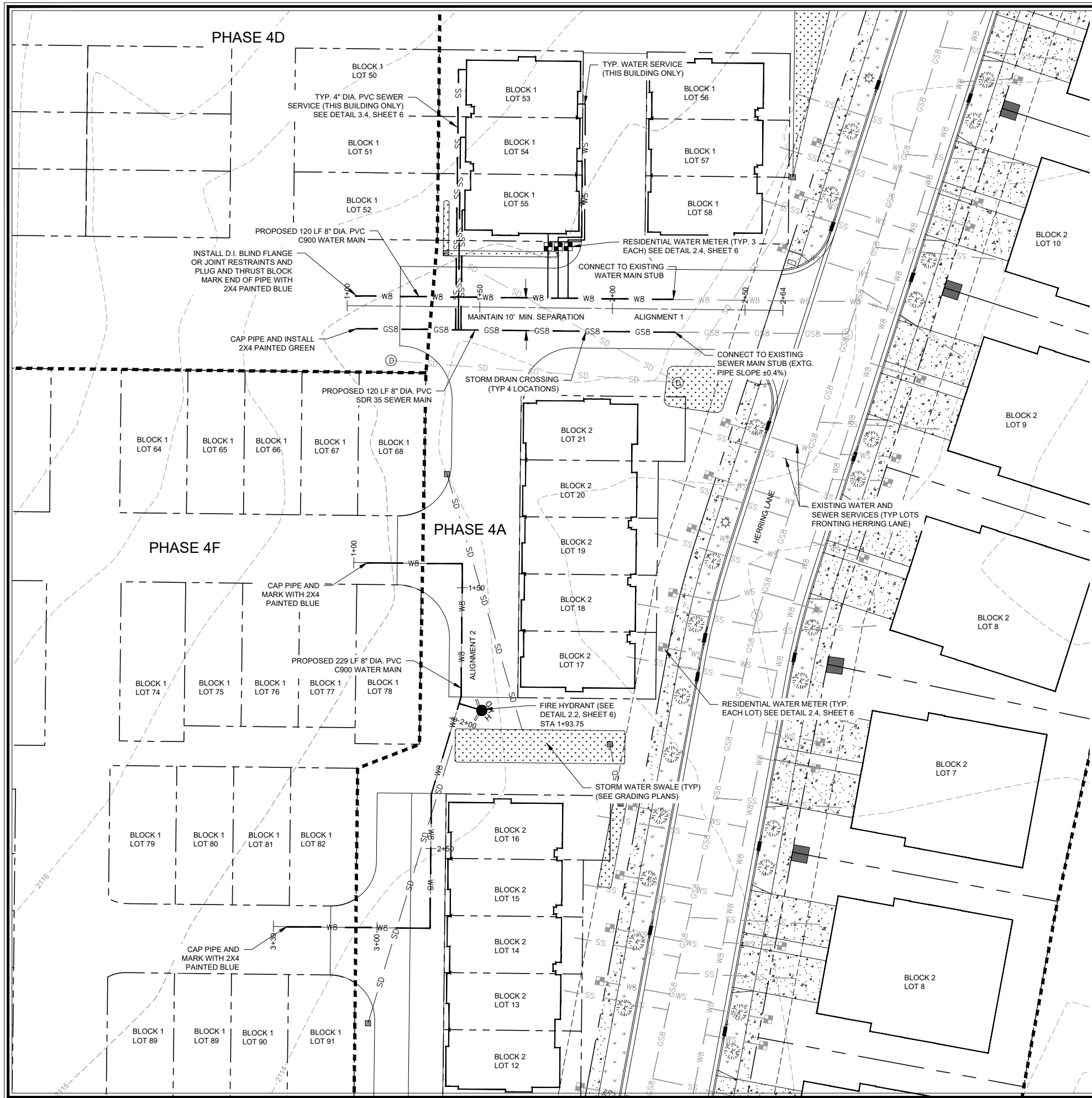
**James A. Sewell and Associates, LLC**  
 1319 NORTH DIVISION AVENUE  
 SANDPOINT, IDAHO 83864  
 (208) 263-4160

SHEET TITLE:  
**COVER SHEET**

PROJECT:  
**UNIVERSITY PLACE PHASE 4A  
 BONNER COUNTY, IDAHO**

DATE: 06-06-2024  
 SCALE: AS SHOWN  
 DESIGNED: BSB  
 DRAWN: NCF  
 CHECKED: BSB  
 PROJ NO.: 13451-21-001  
 CAD FILE: E-M&W





NO.	DATE	REVISION	DRW/CHK

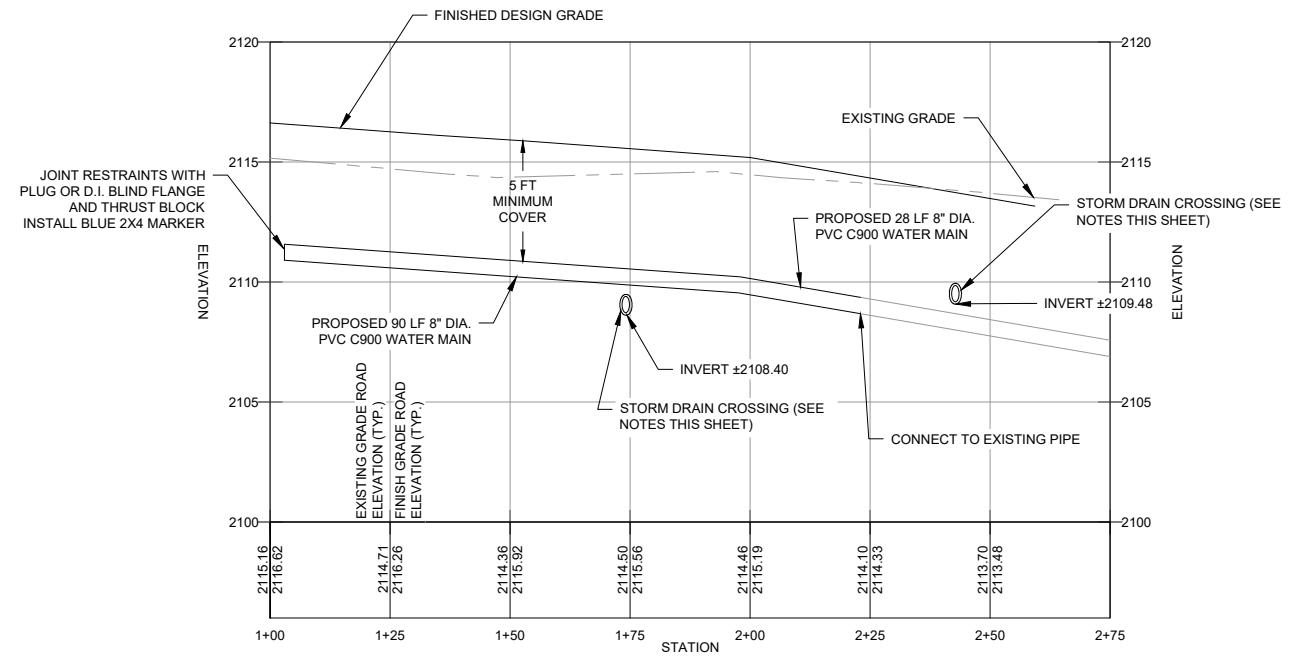
**James A. Sewell and Associates, LLC**  
 1319 NORTH DIVISION AVENUE  
 SANDPOINT, IDAHO 83864  
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**SHEET TITLE:** WATER AND SEWER MAIN PLAN  
**PROJECT:** UNIVERSITY PLACE PHASE 4A  
 BONNER COUNTY, IDAHO

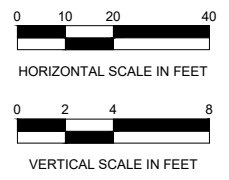
DATE: 06-06-2024  
 SCALE: AS SHOWN  
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 CHECKED: BSB  
 PROJ NO.: 13451-21-001  
 CAD FILE: E-M&W

SHEET 3 OF 6



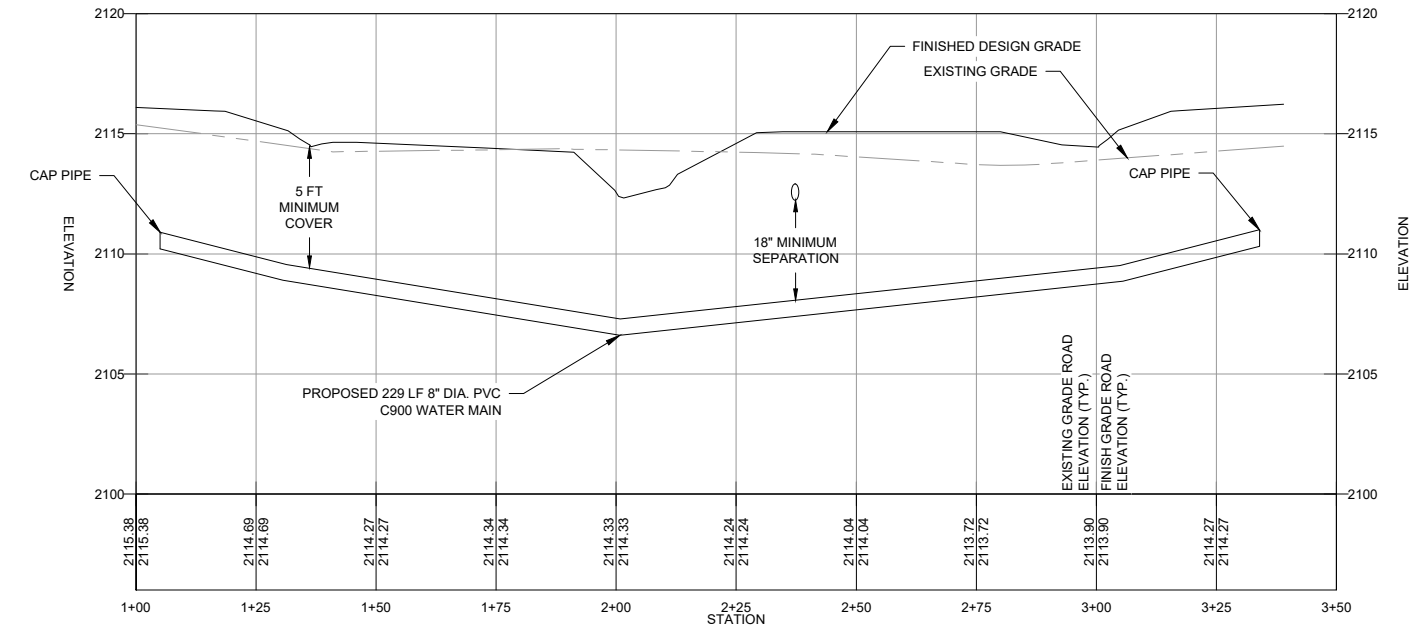


**ALIGNMENT 1 WATER MAIN PROFILE**

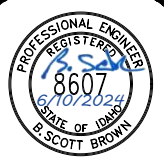


**NOTES AT SPECIFICATIONS**

1. ONE FULL, UNCUT 20' LENGTH OF STORM DRAIN PIPE SHALL BE CENTERED AT THE CROSSING. THE STORM DRAIN PIPE SHALL BE ENCASED WITH A WATER CLASS SLEEVE SUCH AS PVC C900, OR AS APPROVED EQUAL.
2. STORM DRAIN CARRIER PIPE AND SLEEVE MUST BE SUPPORTED ABOVE THE CROSSING WITH COMPACTED TYPE-1 CRUSHED ROCK (OR OTHER MATERIAL AS APPROVED BY THE ENGINEER) TO PREVENT SETTLING.
3. INSTALL STORM DRAIN PIPING PER GRADING AND STORM WATER MANAGEMENT PLANS (UNDER SEPARATE COVER).



**ALIGNMENT 2 WATER MAIN PROFILE**



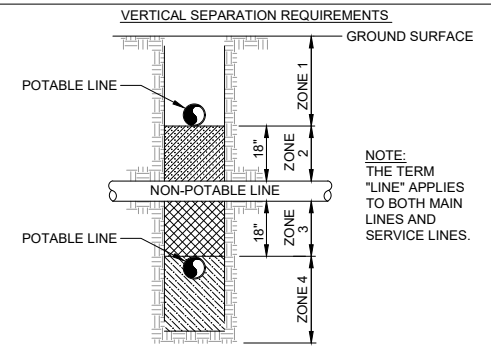
NO.	DATE	REVISION	DR/CHK

**James A. Sewell and Associates, LLC**  
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 SANDPOINT, IDAHO 83864  
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**SHEET TITLE:** WATER PROFILES  
**PROJECT:** UNIVERSITY PLACE PHASE 4A  
 BONNER COUNTY, IDAHO

**DATE:** 06-06-2024  
**SCALE:** AS SHOWN  
**DESIGNED:** BSB  
**DRAWN:** NCF  
**CHECKED:** BSB  
**PROJ NO.:** 13451-21-001  
**CAD FILE:** E-M&W

SHEET 5 OF 6



NOTE: THE TERM "LINE" APPLIES TO BOTH MAIN LINES AND SERVICE LINES.

ZONE 1: A) POTABLE WATER AND NON-POTABLE MAINS AND SERVICE LINES MUST BE SEPARATED BY AT LEAST 18 INCHES, AND B) ONE FULL, UNCUT LENGTH OF POTABLE OR NON-POTABLE PIPE MUST BE CENTERED ON THE CROSSING SO THAT THE JOINTS ARE AS FAR AS POSSIBLE FROM THE CROSSING.

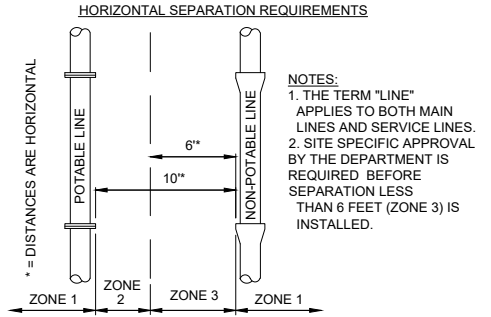
ZONE 2: POTABLE LINE <18" OVER TOP OF NON-POTABLE LINE.

A) ONE FULL, UNCUT LENGTH OF POTABLE OR NON-POTABLE PIPE MUST BE CENTERED ON THE CROSSING WITH A SINGLE 20' SEGMENT SO THAT THE JOINTS ARE AS FAR AS POSSIBLE FROM THE CROSSING, AND EITHER B) NON-POTABLE LINE MUST BE CONSTRUCTED TO POTABLE WATER PIPE STANDARDS WITH A SINGLE 20' SEGMENT FOR A HORIZONTAL DISTANCE OF 10 FEET ON BOTH SIDES OF THE CROSSING, OR C) NON-POTABLE OR POTABLE LINE MUST BE ENCASED IN A LARGER DIAMETER POTABLE WATER CLASS SLEEVE FOR A HORIZONTAL DISTANCE OF 10 FEET ON BOTH SIDES OF THE CROSSING, WITH NO JOINTS.

ZONE 3: SAME REQUIREMENTS AS ZONE 2 EXCEPT THE NON-POTABLE LINE MUST ALSO BE SUPPORTED ABOVE THE CROSSING TO PREVENT SETTLING.

ZONE 4: SAME REQUIREMENTS AS ZONE 1 EXCEPT THE NON-POTABLE LINE MUST ALSO BE SUPPORTED ABOVE THE CROSSING TO PREVENT SETTLING.

SEWAGE FORCE MAINS SHALL HAVE AT LEAST EIGHTEEN INCHES OF CLEARANCE FROM POTABLE WATER MAINS AND ZONE 2 AND 3 PLACEMENTS ARE PROHIBITED. SEPARATION REQUIREMENTS ALSO APPLY TO POTABLE AND NON-POTABLE SERVICE LINES CONTROLLED BY THE SYSTEM OWNER AND EXTENDING TO THE PROPERTY LINE, SERVICE METER, OR CLEANOUT.



NOTE: 1. THE TERM "LINE" APPLIES TO BOTH MAIN LINES AND SERVICE LINES. 2. SITE SPECIFIC APPROVAL BY THE DEPARTMENT IS REQUIRED BEFORE SEPARATION LESS THAN 6 FEET (ZONE 3) IS INSTALLED.

ZONE 1: MORE THAN 10 FEET APART: A) POTABLE AND NON-POTABLE PIPES MUST BE IN SEPARATE TRENCHES.

ZONE 2: FROM 6 TO 10 FEET APART: A) NO SPECIAL REQUIREMENTS FOR SERVICE LINES. B) POTABLE AND NON-POTABLE MAINS SEPARATED BY AT LEAST 6 FEET AT OUTSIDE WALLS, AND C) POTABLE MAINS HIGHER IN ELEVATION THAN THE NON-POTABLE MAINS, AND D) NON-POTABLE MAINS CONSTRUCTED WITH POTABLE WATER CLASS PIPE AND PRESSURE TESTED FOR WATER-TIGHTNESS.

ZONE 3: CLOSER THAN 6 FEET APART: A) FOR MAINS AND SERVICES, DESIGN ENGINEER TO SUBMIT DATA TO DEPARTMENT FOR REVIEW AND APPROVAL THAT THIS INSTALLATION WILL PROTECT PUBLIC HEALTH AND ENVIRONMENT AND NON-POTABLE LINE CONSTRUCTED WITH POTABLE WATER CLASS PIPE.

SEWAGE FORCE MAINS SHALL HAVE AT LEAST TEN FEET OF HORIZONTAL SEPARATION FROM POTABLE MAINS - ZONE 2 AND ZONE 3 PLACEMENTS ARE PROHIBITED. HORIZONTAL SEPARATION REQUIREMENTS ALSO APPLY TO POTABLE AND NON-POTABLE SERVICE LINES CONTROLLED BY THE SYSTEM OWNER AND EXTENDING THE MAIN LINE TO THE PROPERTY LINE, SERVICE METER, OR CLEANOUT.

FOR DETAILS REFER TO IDAPA 58.01.08.542.07: IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS OR IDAPA 58.01.16.430.0: IDAHO WASTEWATER RULES.

### 4.1 POTABLE AND NON-POTABLE LINE SEPARATION

NOT TO SCALE

- N1 IMPORTED TYPE-2 CRUSHED AGGREGATE BACKFILL. NATIVE MATERIAL MAY BE USED WHEN DEEMED SUITABLE BY THE ENGINEER PER ISPWVC 306.2.3. COMPACT TO 90% STD. PROCTOR IN OPEN GROUND AND 95% UNDER ROADWAYS AND DRIVEWAYS
- N2 IN ROCK EXCAVATION, 12" ABOVE AND 6" BELOW PIPE SHALL BE BEDDED W/SAND
- N3 BURIED PIPELINE
- N4 AREA WITHIN 4" BELOW PIPE AND 6" ABOVE SHALL BE BEDDED WITH IMPORTED MATERIAL AS SPECIFIED ON SHEET 2.
- N5 INSTALL LOCATING WIRE 12 GA. COPPER WITH INSULATION. RUN WIRE UP VALVE AND METER BOXES & WRAP TWICE AROUND TOP OF BOXES. ALSO RUN WIRE UP OUTSIDE OF SEWER MANHOLES AND ALONG SERVICES TO CLEAN OUTS PER CITY OF SANDPOINT
- N6 METALLIC LOCATOR TAPE
- N7 PAVEMENT SECTION SURFACE REPAIR (SEE ROAD PLANS FOR GRAVEL AND ACP THICKNESS)

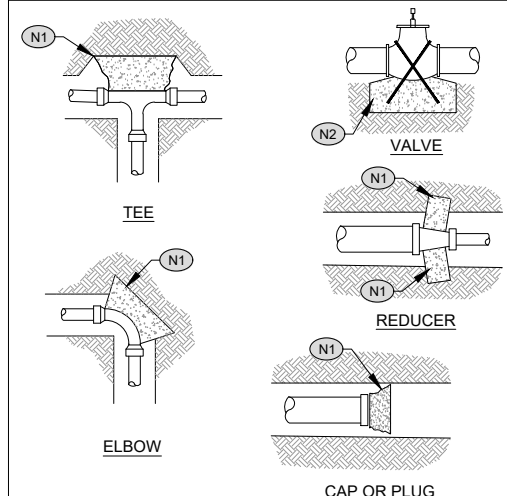
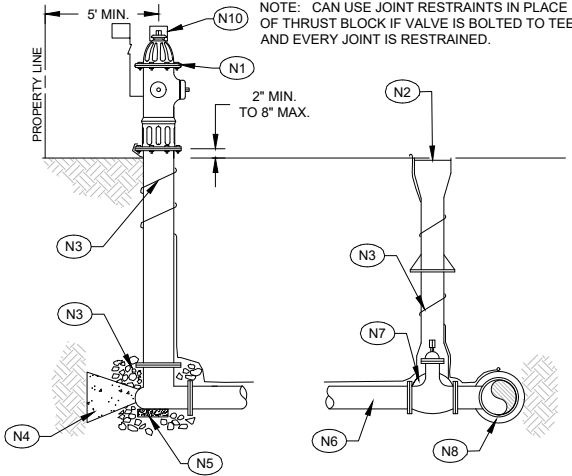
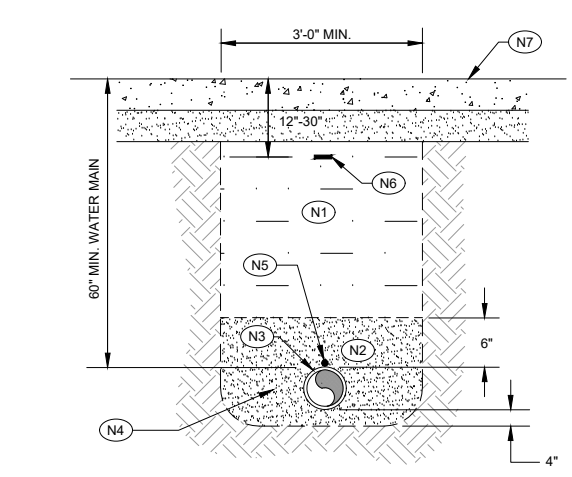
### 1.2 PIPELINE TRENCH

SCALE: NOT TO SCALE

- NOTE: TRENCH SIDE WALLS SHALL BE SLOPED AND/OR BRACED PER OSHA STANDARDS TO PROTECT WORKERS, ADJACENT PROPERTY, AND THE WORK.
- NOTES FOR FIRE HYDRANT DETAIL
- N1 TRAFFIC TYPE FIRE HYDRANT, AWWA C502 COMPRESSION TYP. 5-1/4" VALVE OPENING. 1" PUMPER NOZZLE AND 2 HOSE NOZZLES. WATEROUS OR MUELLER, MODERN STYLE YELLOW IN COLOR W/ STORZ ADAPTER, HYDRANT FLAG, AND ALPHA INLET
  - N2 CAST IRON VALVE BOX I.F.C.O. No. 3-C, COVER No. 923-R-(A OR B) BOX AND No. 925-(A,B,C OR D) EXTENSION PIPE.
  - N3 3/4"+ DRAIN ROCK TO 6" ABOVE DRAIN PORTS, MIN. 10 CU. FT.
  - N4 THRUST BLOCK PER DETAIL 1.1, THIS SHEET.
  - N5 2" X 8" X 8" CONCRETE BLOCK.
  - N6 6" PVC WATER LINE
  - N7 6" GATE VALVE W/RESILIENT WEDGE, AWWA C-509, FL X ALPHA
  - N8 MAIN LINE SIZED X 6" TEE - MJ X MJ X FL
  - N9 12 GA. TONING WIRE W/ DBR SPLICE KIT
  - N10 KING LOCK K-3 FIRE HYDRANT LOCK

### 2.2 FIRE HYDRANT

SCALE: NOT TO SCALE



- N1 2,500 PSI CONCRETE POURED IN PLACE AGAINST UNDISTURBED EARTH
- N2 2,500 PSI CONCRETE POURED IN PLACE AGAINST UNDISTURBED EARTH WITH #4 REBAR ANCHOR RODS

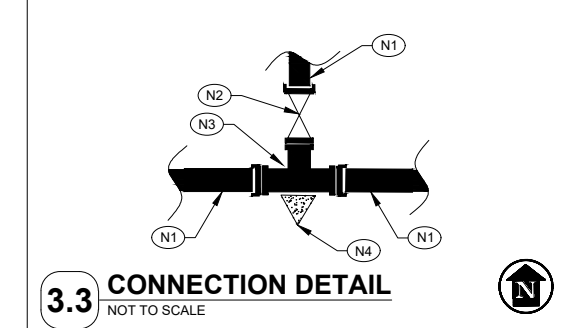
PIPE SIZE	TEE, PLUG OR VALVE	90° BEND*	45° BEND	22.5° OR 11.25° BEND OR REDUCER
3"	0.8	1.1	0.6	0.3
4"	1.4	2.0	1.1	0.6
6"	3.2	4.5	2.4	1.2
8"	5.7	8.0	4.3	2.2
10"	8.8	12.5	6.8	3.4
12"	12.7	18.0	9.7	5.0
14"	17.3	24.5	13.3	6.8
16"	22.6	32.0	17.3	8.8
18"	28.6	40.5	21.9	11.2

\* OR TEE ACTING AS 90° BEND  
 DEPTH OF THRUST BLOCK = 12" FOR PIPE SIZES 3" THROUGH 8"  
 = 18" FOR PIPE SIZES 10" THROUGH 18"  
 ASSUMED SOIL BEARING PRESSURE = 2,000 PSF  
 WORKING PRESSURE RATING = 150 PSI  
 SAFETY FACTOR = 1.5

### 4.2 THRUST BLOCK

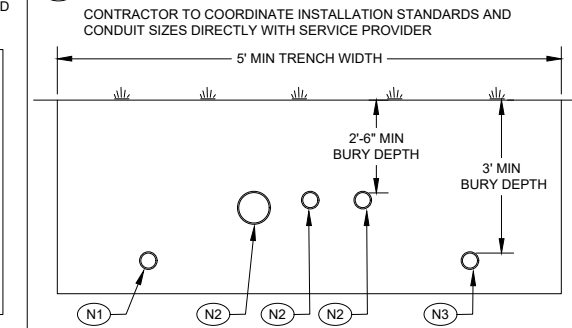
NOT TO SCALE

- N1 PROPOSED 8" DIA. PVC WATER MAIN
- N2 PROPOSED 8" DIA. D.I. GATE VALVE (FL X MJ)
- N3 PROPOSED 8" X 8" X 8" D.I. TEE
- N4 THRUST BLOCK, SEE DETAIL 4.3, THIS SHEET



### 3.3 CONNECTION DETAIL

NOT TO SCALE

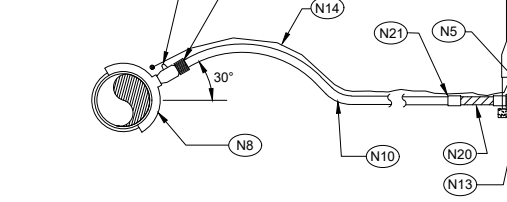


### 4.3 DRY UTILITY TRENCH

SCALE: NOT TO SCALE

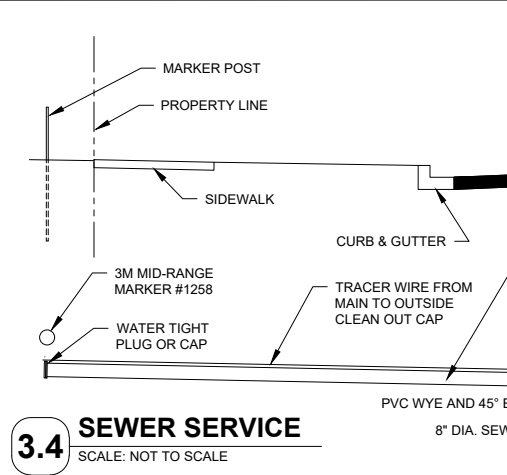
- N1 AY McDONALD COIL BOX (OR APPROVED EQUAL)
- N2 AY McDONALD C.I. FRAME AND COVER 90L15TC (OR APPROVED EQUAL)
- N3 FINISHED GRADE (BETWEEN CURB AND SIDEWALK)
- N4 1" MIP X MIP CORP STOP.
- N5 1" McDONALD CURB STOP
- N6 790-248QPPP 3/4" X 3/4" AY McDONALD COIL PIT ASSEMBLY OR APPROVED EQUAL
- N7 GRANULAR FILL BELOW METER SETTER
- N8 1" ROMAC STAINLESS DOUBLE STRAP SADDLE TAP SIZED FOR WATER MAIN
- N9 3" SCH 40 PVC CURB BOX W/ TRUMBULL T-374 LID
- N10 1" SIDR7 HDPE SERVICE LINE (CLASS 250 PSI)
- N11 WATER METER, PER CITY STANDARDS
- N12 UNDISTURBED NATIVE SOIL OR COMPACTED BASE FOR METER SETTER.
- N13 CONCRETE BLOCK BELOW VALVE

- N14 12 GA. TONING WIRE W/ DBR SPLICE KIT
- N15 1X6 BRASS NIPPLE, 1" UNION, 1 X 3/4" BUSHING
- N16 1X3/4" PACK JOINT OR 1" PACK WITH 1X3/4" BUSHING
- N17 1" POLY PLUG W/ HOSE CLAMP UNTIL SERVICE USE
- N18 2 X 4 MARKER PAINTED BLUE
- N19 MXU REMOTE READ PER CITY OF SANDPOINT
- N20 1X12 BRASS NIPPLE
- N21 1" FEMALE PACKS
- N22 INSTALL CURB STOP AND METER IN GREEN STRIP BETWEEN CURB AND SIDEWALK
- N23 INSTALL 3M RANGE MARKER #1258 AT EACH CURB STOP



### 2.4 TYPICAL WATER SERVICE

SCALE: NOT TO SCALE

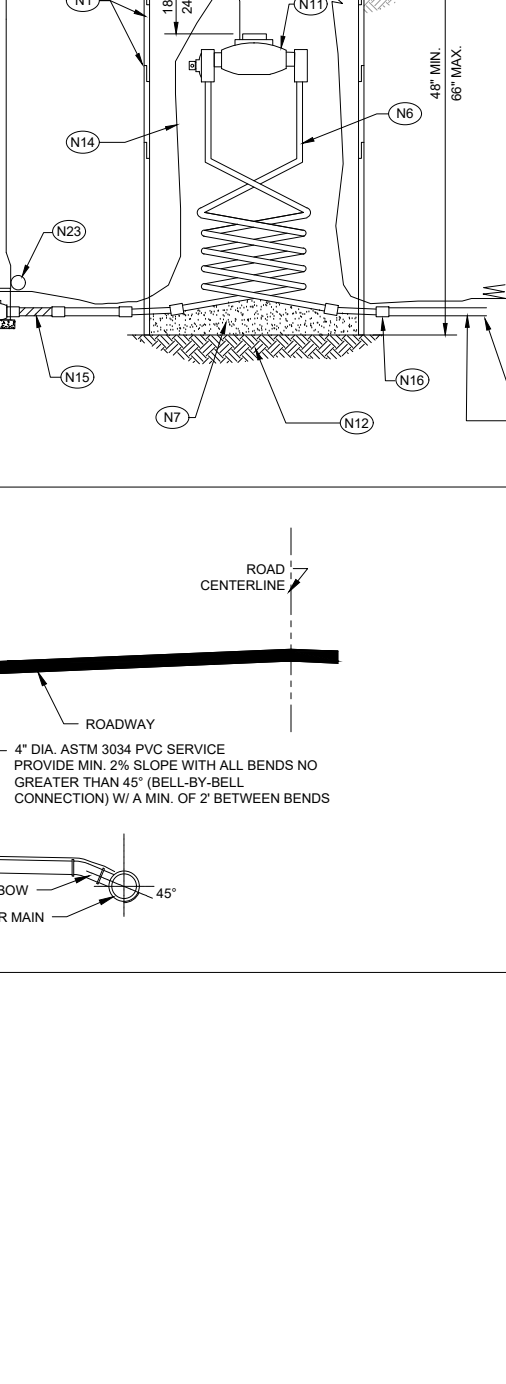


### 3.4 SEWER SERVICE

SCALE: NOT TO SCALE

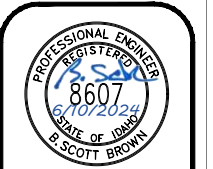
- N1 POWER - 2" SCH. 40 PVC CONDUIT (VERIFY W/ NORTHERN LIGHTS)
- N2 COMMUNICATION UTILITIES (TELEPHONE, CABLE TV, FIBER)
- N3 GAS MAIN (AVISTA)

CONTRACTOR TO COORDINATE INSTALLATION STANDARDS AND CONDUIT SIZES DIRECTLY WITH SERVICE PROVIDER



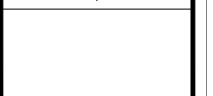
### 4.3 DRY UTILITY TRENCH

SCALE: NOT TO SCALE



NO.	DATE	REVISION

**James A. Sewell and Associates, LLC**  
 1319 NORTH DIVISION AVENUE  
 SANDPOINT, IDAHO 83864  
 (208) 263-4160



SHEET TITLE: **DETAILS**  
 PROJECT: **UNIVERSITY PLACE PHASE 4A BONNER COUNTY, IDAHO**  
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 SHEET 6 OF 6