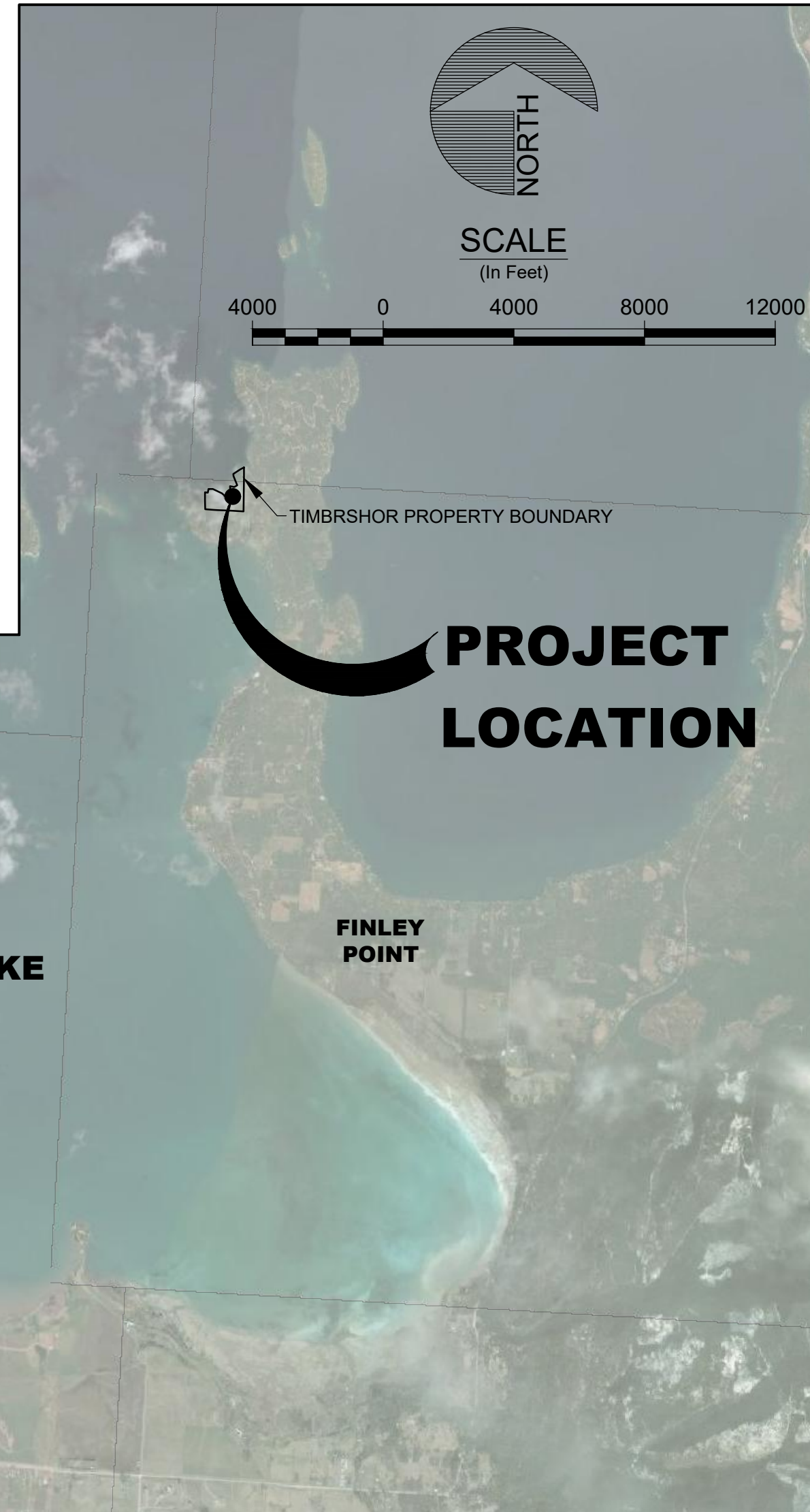
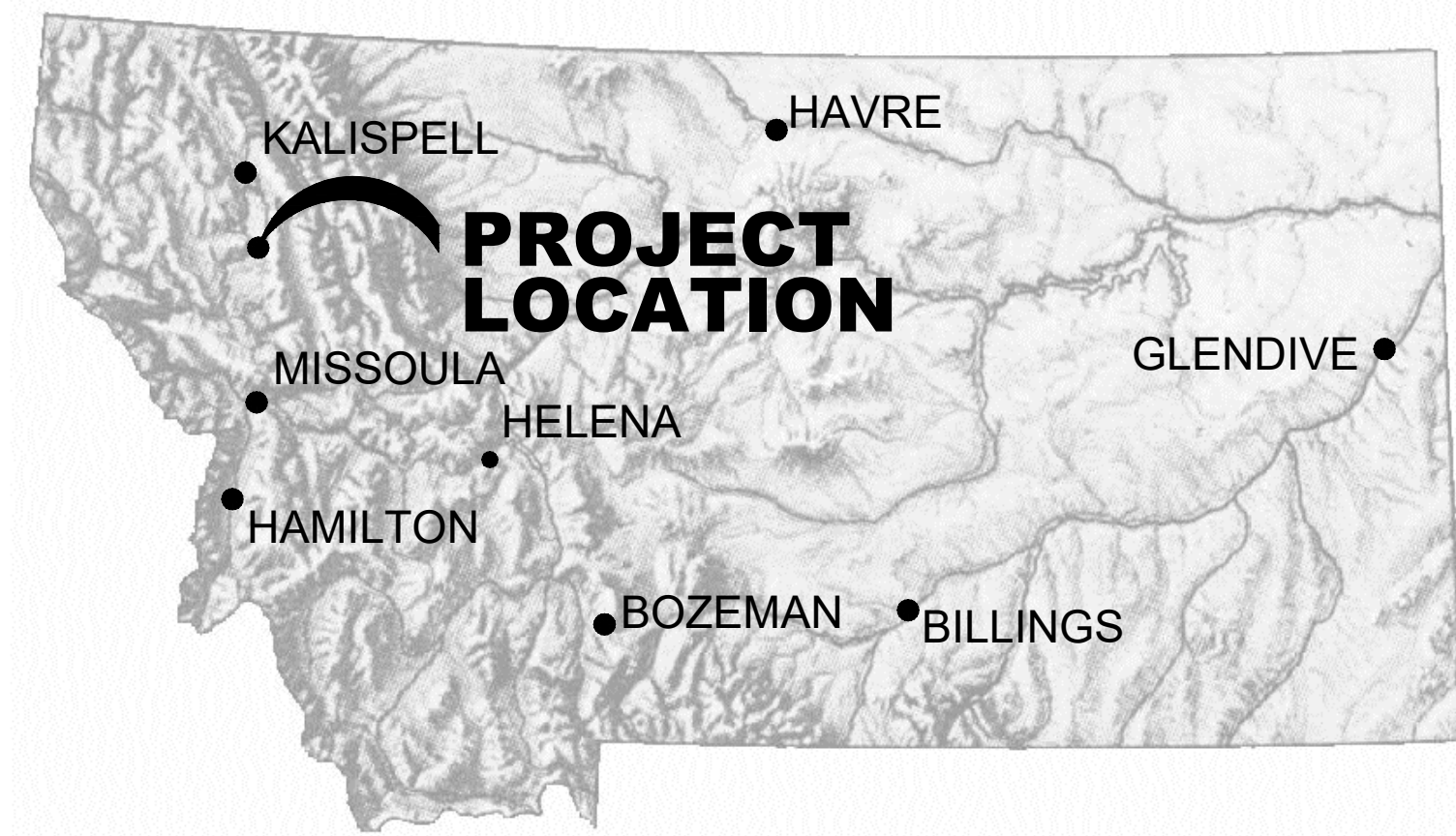


# TIMBRSHOR HOMEOWNERS ASSOCIATION WELL NO. 5/9 PUBLIC WATER SYSTEM POLSON, LAKE COUNTY, MONTANA



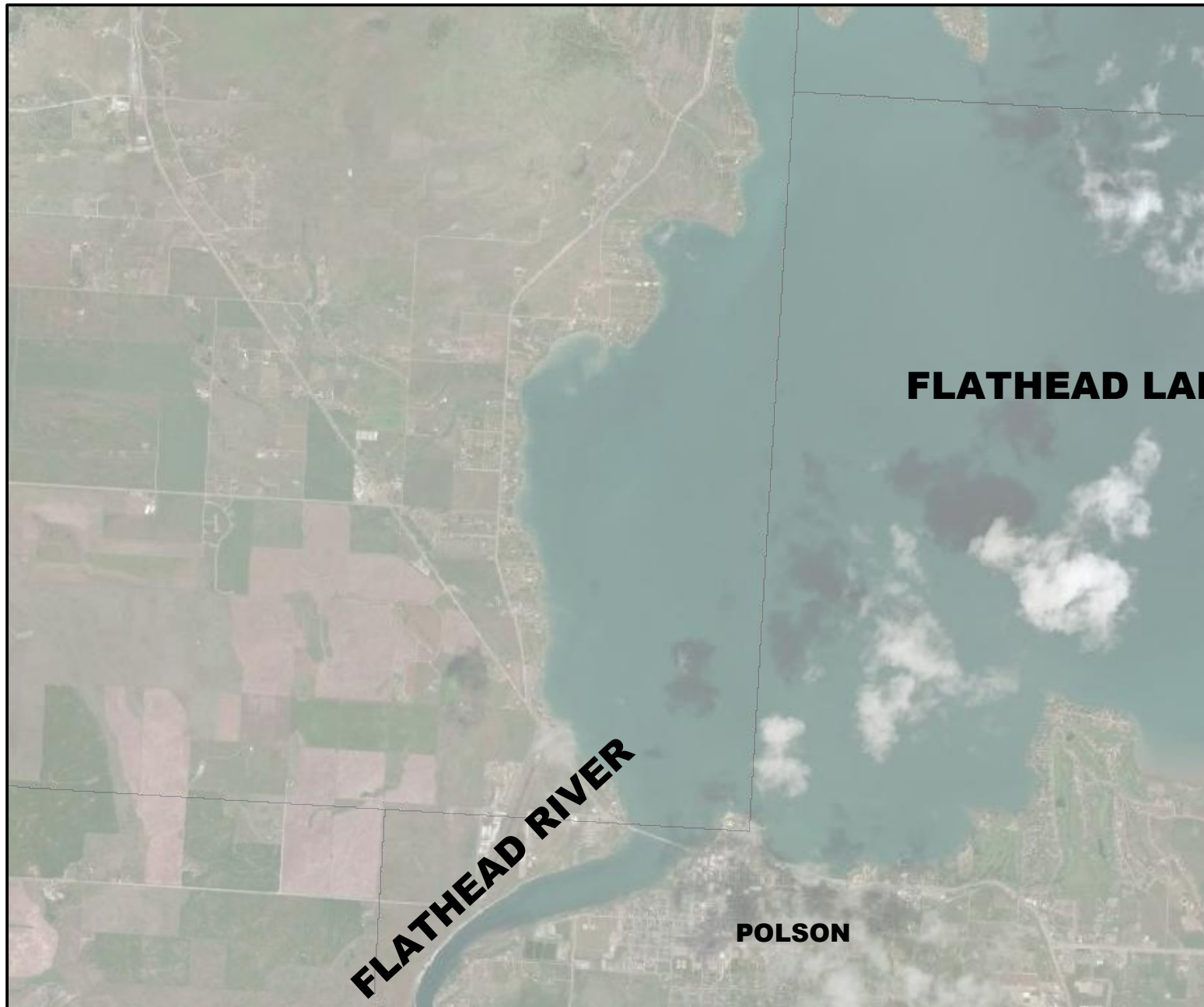
SHEET NO.	SHEET TITLE
1	TITLE, LOCATION, AND INDEX
2	WELL NO. 5/9 PWS PLAN
3	WATER MAIN PROFILES
4	DETAILS
5	PUPHOUSE #5/9 DETAILS

**SHEET NOTES:**  
1. FOR DRAWINGS ADDRESSING MCCARTHY PWS AND WELL NO. 4 PWS, SEE SEPARATE DRAWING PACKAGE.

### GENERAL NOTES

1. PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING WILL BE HELD AT THE PROPOSED WELL LOCATION AND WILL BE ATTENDED BY THE CONTRACTOR AND REPRESENTATIVES OF THE OWNER. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE ENGINEER AND OWNER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:
  - A. OBTAINING AND ADHERING TO, AT HIS OWN EXPENSE, ALL PERMITS OR LICENSES WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK, EXCEPT THOSE SPECIFICALLY LISTED AS PROVIDED BY THE OWNER OR ENGINEER.
  - B. PROPER NOTIFICATION OF ALL NECESSARY AGENCIES PRIOR TO CONSTRUCTION.
  - C. PROJECT SAFETY.
  - D. JOB SITE CONDITIONS AT ALL TIMES.
3. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
4. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE OWNER. THE OWNER RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
5. OBSERVATIONS OF WORK IN PROGRESS AND ON-SITE VISITS ARE NOT TO BE CONSTRUED AS A GUARANTEE OF ACCEPTANCE OR APPROVAL OF THE CONTRACTOR'S WORK BY THE OWNER OR OWNER'S REPRESENTATIVE.
6. ALL MATERIALS, CONSTRUCTION, AND TESTS SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, INCLUDING THE DRAWINGS AND SPECIFICATIONS. DRAWINGS AND SPECIFICATIONS SHALL NOT BE CHANGED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER AND THE ENGINEER.
7. THE CONTRACTOR IS RESPONSIBLE FOR CONTROL OF POLLUTION, SURFACE WATER, EROSION AND SEDIMENT THROUGHOUT THE DURATION OF THE CONTRACT.
8. THE CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES AND OWNER'S REPRESENTATIVE PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION (INCLUDING DEPTHS) OF ANY EXISTING UTILITIES. ALL EXISTING UTILITIES SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. DAMAGED UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
9. THE DESIGN ENGINEER IS TO BE NOTIFIED OF ANY DISCREPANCY OR CONFLICT PRIOR TO CONTINUING CONSTRUCTION.
10. ALL ITEMS SHOWN ON THE PLANS AS EXISTING ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. THE ACTUAL LOCATION MAY VARY FROM THE PLANS, ESPECIALLY IN THE CASE OF UTILITIES. WHENEVER CONTRACTOR DISCOVERS A DISCREPANCY IN LOCATIONS, HE SHALL CONTACT ENGINEER IMMEDIATELY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF SURFACE WATER, STORMWATER, AND GROUND WATER THROUGHOUT THE LENGTH OF THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT AND OBTAINING A CONSTRUCTION DEWATERING PERMIT. GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STRUCTURES OR ROADWAYS NOR EROSION OUTSIDE OF THE SITE CONSTRUCTION BOUNDARY IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. ANY UNSTABLE AREAS, AS A RESULT OF GROUNDWATER, ENCOUNTERED DURING THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE STABILIZED AS AGREED UPON BY THE CONTRACTOR, AND THE DESIGN ENGINEER AT THE TIME OF THEIR OCCURRENCE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL SURFACES AND RELATED STRUCTURES, TO ORIGINAL CONDITIONS (OR BETTER) AND GRADES UNLESS DESIGNATED OTHERWISE ON THE DRAWINGS.
13. ALL ELEVATIONS SHOWN ARE TO TOP OF GROUND EXCEPT WHEN OTHERWISE SPECIFICALLY NOTED.
14. THE CONTRACTOR SHALL HAVE IN HIS POSSESSION AT ALL TIMES ONE (1) SIGNED COPY OF THE PLANS AND SPECIFICATIONS.
15. A SET OF AS-BUILT DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER AND THE ENGINEER WILL SUPPLY A REPRODUCIBLE SET OF THE RECORD DRAWINGS TO THE OWNER PRIOR TO ACCEPTANCE BY THE OWNER. ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE STATIONED AND SHOWN ACCURATELY ON THE PLANS BY THE CONTRACTOR. ALL COORDINATES MUST BE SHOWN ON THE AS-BUILT PLANS SUBMITTED TO THE OWNER PRIOR TO PROJECT APPROVAL.
16. ALL EQUIPMENT, VALVES, PIPING, COATINGS AND APPURTENANCES SHALL BE IN COMPLIANCE WITH NSF 61.
17. ALL EQUIPMENT SHALL BE CLEANED OF ALL EARTHEN AND ORGANIC MATERIALS PRIOR TO ENTERING THE SITE TO PREVENT WEED SPREAD AND AQUATIC INVASIVE SPECIES (AIS) SPREAD. VEHICLES AND EQUIPMENT MUST BE INSPECTED BY ENGINEER PRIOR TO ENTRY. SEE SPECIFICATIONS FOR REQUIREMENTS.
18. CONTRACTOR WILL BE RESPONSIBLE FOR COMPLYING WITH THE TERMS OF ALL PERMITS DURING THE CONSTRUCTION PERIOD INCLUDING ANY MATERIALS AND LABOR TO INSTALL AND MAINTAIN ANY NECESSARY BMP'S DURING CONSTRUCTION.
19. THE CONTRACTOR SHALL NOTIFY ONE CALL @ 1-800-424-5555 FOR ONSITE UTILITY LOCATION. ALL EXISTING UTILITIES SHALL BE MARKED BEFORE DIGGING.
20. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTENCE, LOCATION, DEPTH, SIZE, LINE, AND GRADE OF EXISTING UTILITIES CONNECTIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES DUE TO FAILURE TO LOCATE OR PROVIDE PROPER PROTECTION WHEN LOCATION HAS BEEN IDENTIFIED.
21. THE CONTRACTOR SHALL MAINTAIN SERVICE OF ALL EXISTING UTILITIES. IF SAID SERVICE IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY REPAIR THE DAMAGE AT THE CONTRACTOR'S EXPENSE.
22. ALL DISTURBED AREAS SHALL BE SEEDDED BY THE CONTRACTOR IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
23. REFERENCE ALL SURVEY MONUMENTS, SECTION CORNERS, 1/4 CORNERS AND PROPERTY CORNERS PRIOR TO BEING DISTURBED BY CONSTRUCTION. PLS MUST REPLACE ANY MONUMENTS AND CORNERS THAT ARE DISTURBED DURING CONSTRUCTION.
24. CLOSE ACCESS GATES DURING NON-WORKING HOURS.
25. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). TOPOGRAPHIC SURVEY PERFORMED BY COX IN 2008.
26. HORIZONTAL COORDINATE SYSTEM IS A LOCAL COORDINATE SYSTEM USED BY COX DURING 2008 SURVEY.

LEGEND	
EXIST.	NEW



AERIAL IMAGE FROM MICROSOFT BING, 2021.

### CONTACTS

OWNER:  
TIMBRSHOR HOMEOWNERS ASSOCIATION  
TIMBRSHOR LAKE COUNTY WATER AND SEWER DISTRICT ENTITY 102414  
30371 OSPREY LANE  
POLSON, MONTANA 59860

CONTACT:  
BLAKE JOHNSON CHAIRMAN

CIVIL ENGINEER:  
HYDROMETRICS, INC.  
3020 BOZEMAN AVE  
HELENA, MT 59601

CONTACT:  
GREG LORENSEN, P.E.  
OR  
KARL KINGERY, P.E.  
406-443-4150 (OFFICE)

### ABBREVIATIONS

APPROX.	APPROXIMATE	PVC	POLYVINYL CHLORIDE
CF	CUBIC FEET	R, RAD.	RADIUS
CY	CUBIC YARDS	SCH, SCHED.	SCHEDULE
DIA	DIAMETER	S	SANITARY SEWER
FT	FEET	TYP	TYPICAL
HP	HORSEPOWER	V	VERTICAL
I.E., INV.	INVERT ELEVATION	W, WTR.	WATER
IN	INCH	W/	WITH

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Project No.: 21001  
DRAWN BY: RKK 2/3/22  
CHECKED BY:  
APPROVED BY:  
SCALE: AS NOTED

**Hydrometrics, Inc.**  
Consulting Scientists and Engineers  
  
Helena, Montana 59601  
3020 Bozeman Avenue  
(406) 443-4150

TIMBRSHOR PUBLIC WATER SYSTEM - WELL NO. 5/9

TITLE, LOCATION AND INDEX

DRAWING FILE NUMBER

COVER 59  
AUTOCAD 2020 DRAWING (DWG)

SHEET NUMBER

1

REVISIONS

NO	BY	DATE	DESCRIPTION

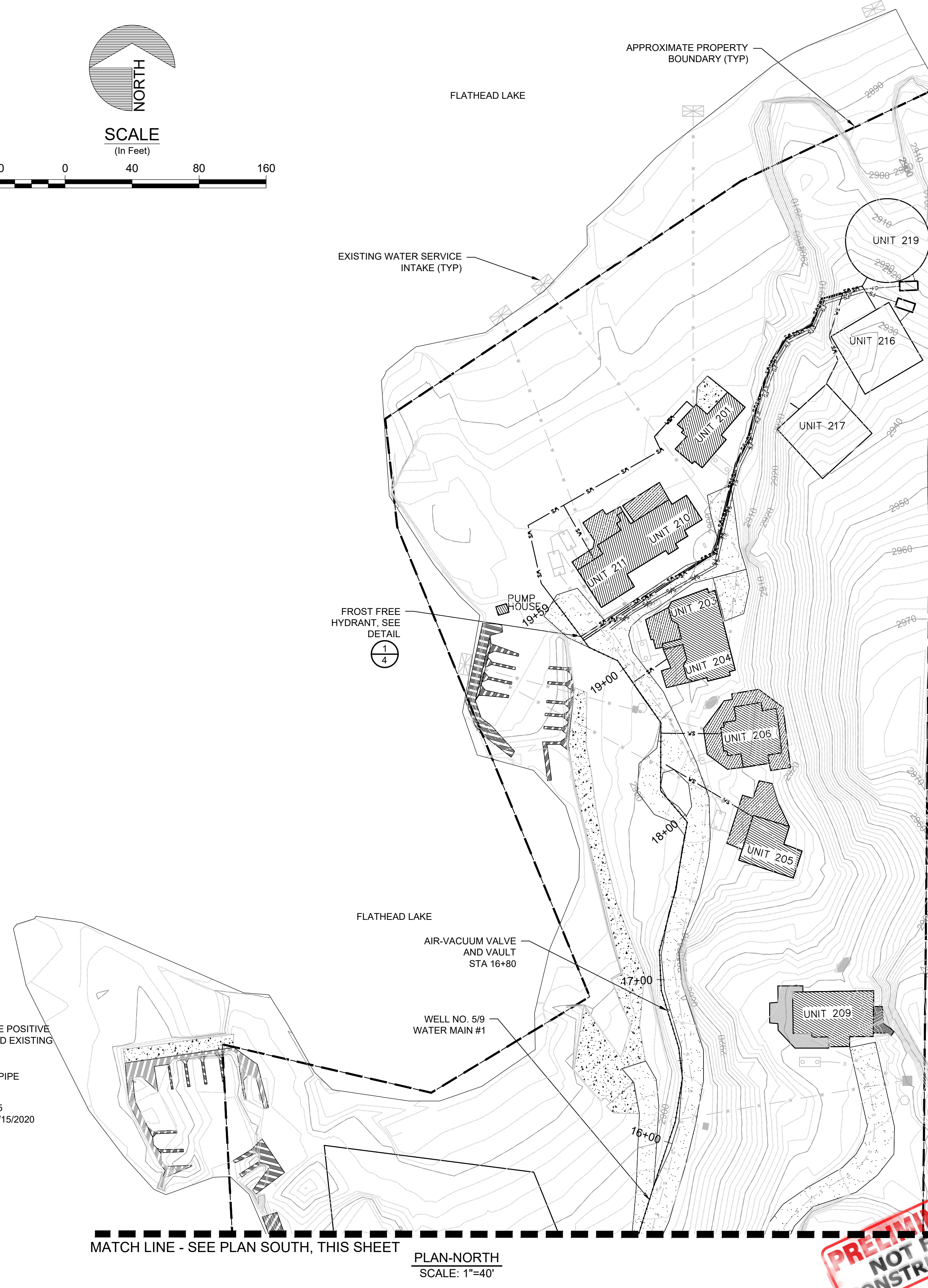
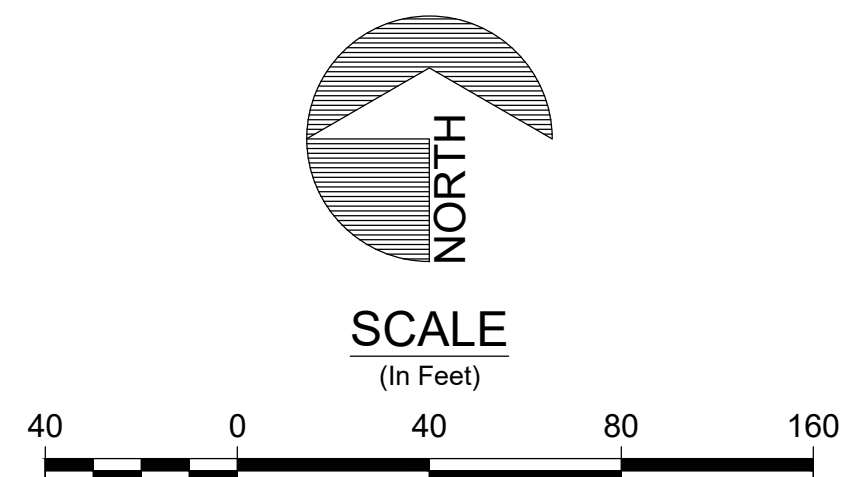
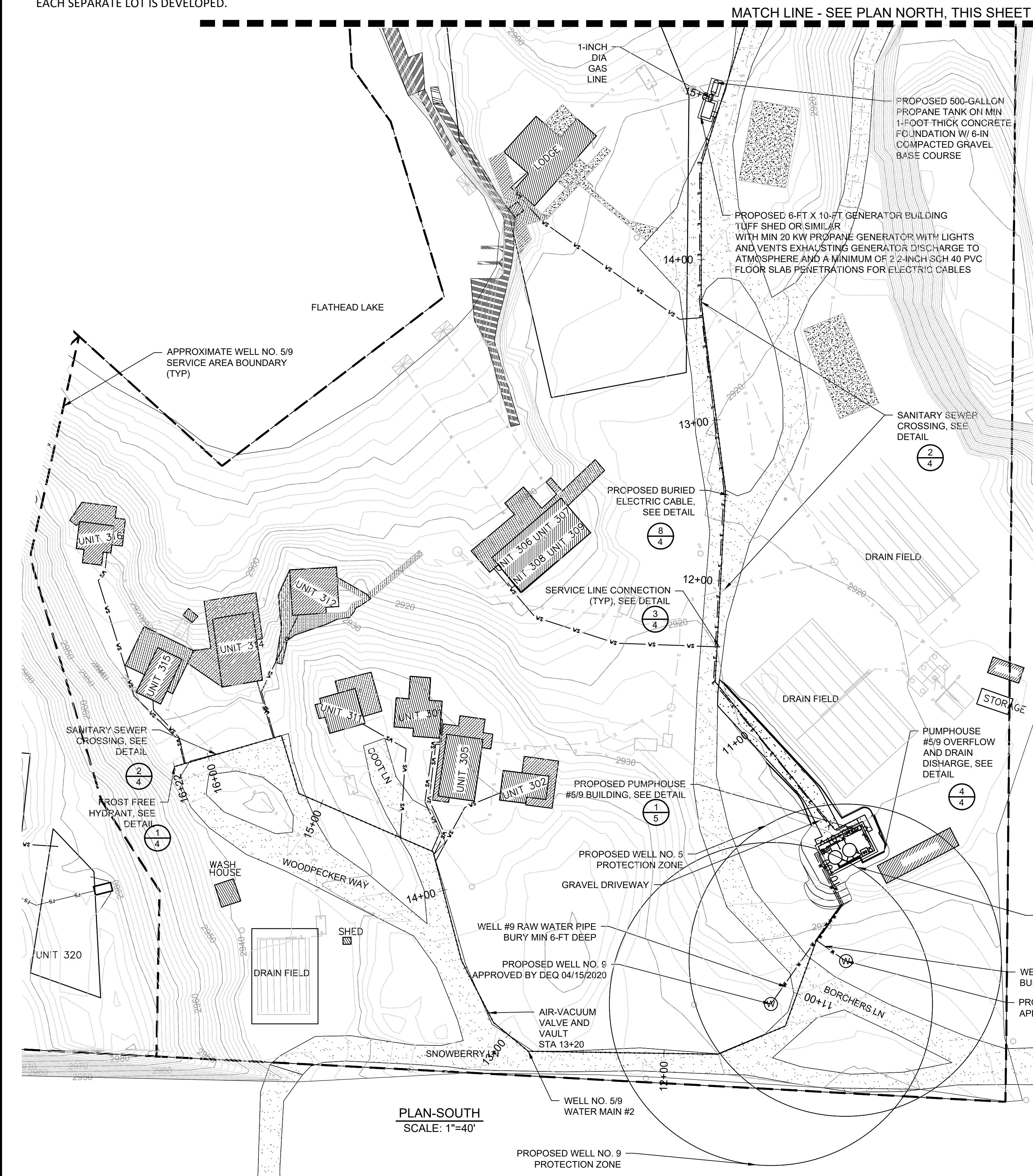
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**NOTES**

1. THE MCCARTHY PUMPHOUSE WILL NOT BE CONSTRUCTED UNTIL ONE OF THE THREE UNDEVELOPED LOTS (UNITS 414, 318, 320) CONNECTS TO THE WELL.
2. WATER SERVICE LINES FOR THE UNDEVELOPED LOTS WILL NOT BE INSTALLED UNTIL EACH SEPARATE LOT IS DEVELOPED.



**PRELIMINARY NOT FOR CONSTRUCTION**

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APPROVED BY:	
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**Hydrometrics, Inc.**

Consulting Scientists and Engineers

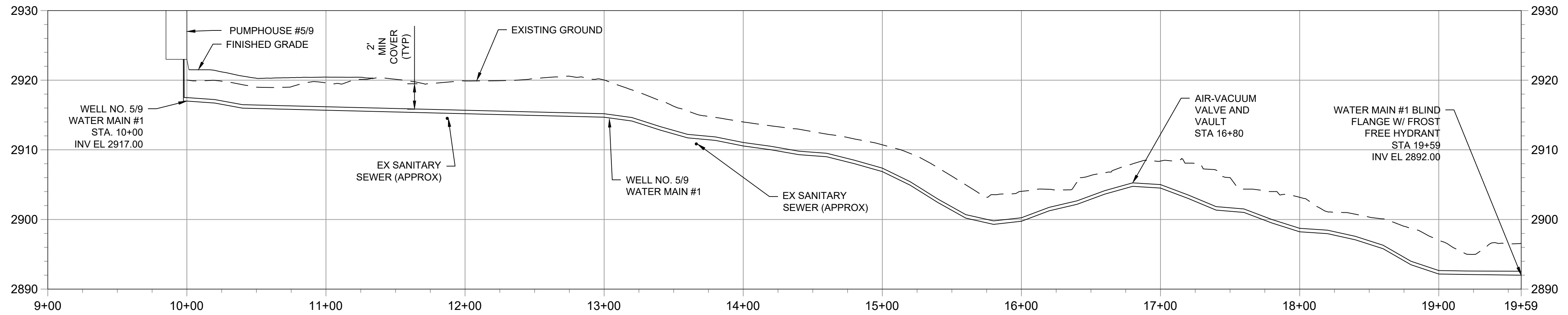
Helena, Montana 59601  
3020 Bozeman Avenue  
(406) 443-4150

TIMBRSHOR PUBLIC WATER SYSTEM - WELL NO. 5/9

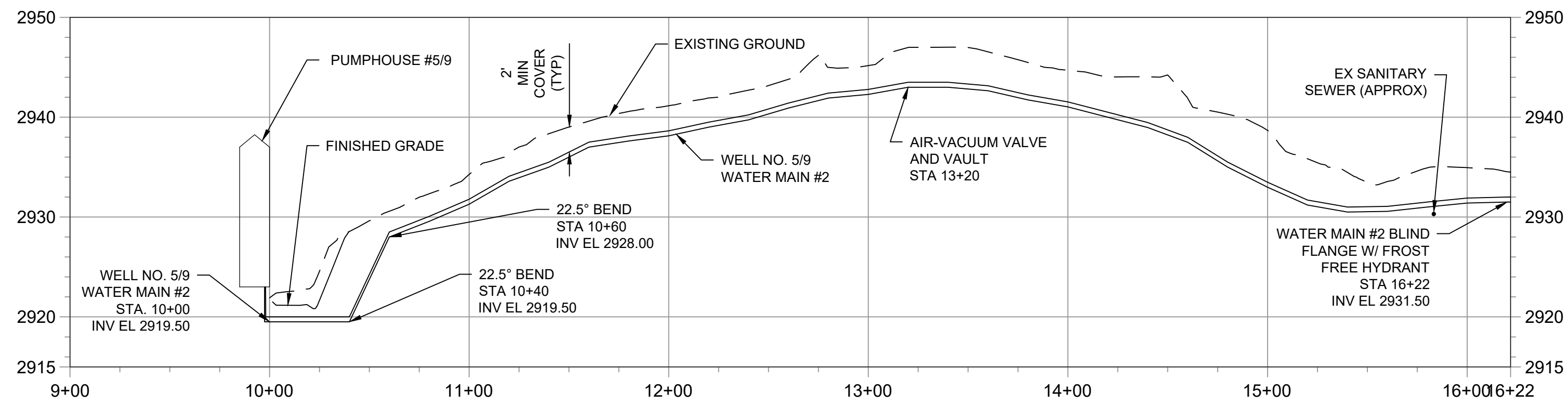
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DRAWING FILE NUMBER	1-PWS-WELL4
AUTOCAD 2020 DRAWING (DWG)	
SHEET NUMBER	2
REV	





**WELL NO. 5/9 WATER MAIN #1 PROFILE**  
 HORIZONTAL SCALE: 1"=50'  
 VERTICAL SCALE: 1"=10'



**WELL NO. 5/9 WATER MAIN #2 PROFILE**  
 HORIZONTAL SCALE: 1"=50'  
 VERTICAL SCALE: 1"=10'

**NOTES:**

- EXISTING SANITARY SEWER LOCATIONS ARE APPROXIMATE BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL LOCATE SANITARY SEWER LOCATIONS IN FIELD PRIOR TO CONSTRUCTION AND SHALL NOTIFY ENGINEER.
- CONTRACTOR SHALL CONNECT HEAT TRACE WIRE FOR WELL NO. 5/9 WATER MAIN #2 TO CONTROLLER IN PUMPHOUSE #4. CONTRACTOR TO CONNECT HEAT TRACE WIRE TO CONTROLLER IN GENERATOR BUILDING FOR WELL #5/9 WATER MAIN #1. CONTRACTOR SHALL PLACE 4-20 WIRE CONNECTING GENERATOR BUILDING TO PUMPHOUSE# 5/9 TO PROVIDE INFORMATION TO DISPLAY FOR HEAT TRACE CONTROLLER FOR WATER MAIN #1.
- TEMPERATURE SENSORS FOR WATER MAIN HEAT TRACE SHALL BE LOCATED AT END OF WELL NO. 5/9 WATER MAIN #1 @ STA 19+55, AS WELL AS AT STATION 15+40. LOCATE TEMPERATURE SENSORS FOR WELL NO. 5/9 WATER MAIN #2 AT STATION 16+03.
- AIR-VACUUM VALVE SHALL BE 1-IN VALMATIC AIR-VACUUM VALVE OR APPROVED EQUAL.
- AIR RELEASE VALVE VAULT SHALL BE MUELLER 1-IN AIR RELEASE VALVE VAULT, 15-IN DIAMETER, 30-INCH BURY DEPTH OR APPROVED EQUAL. LOCATE VALVE VAULT SO NOT IN ROAD, WITH VALVE AT SYSTEM HIGH POINT.

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

NO	BY	DATE	DESCRIPTION

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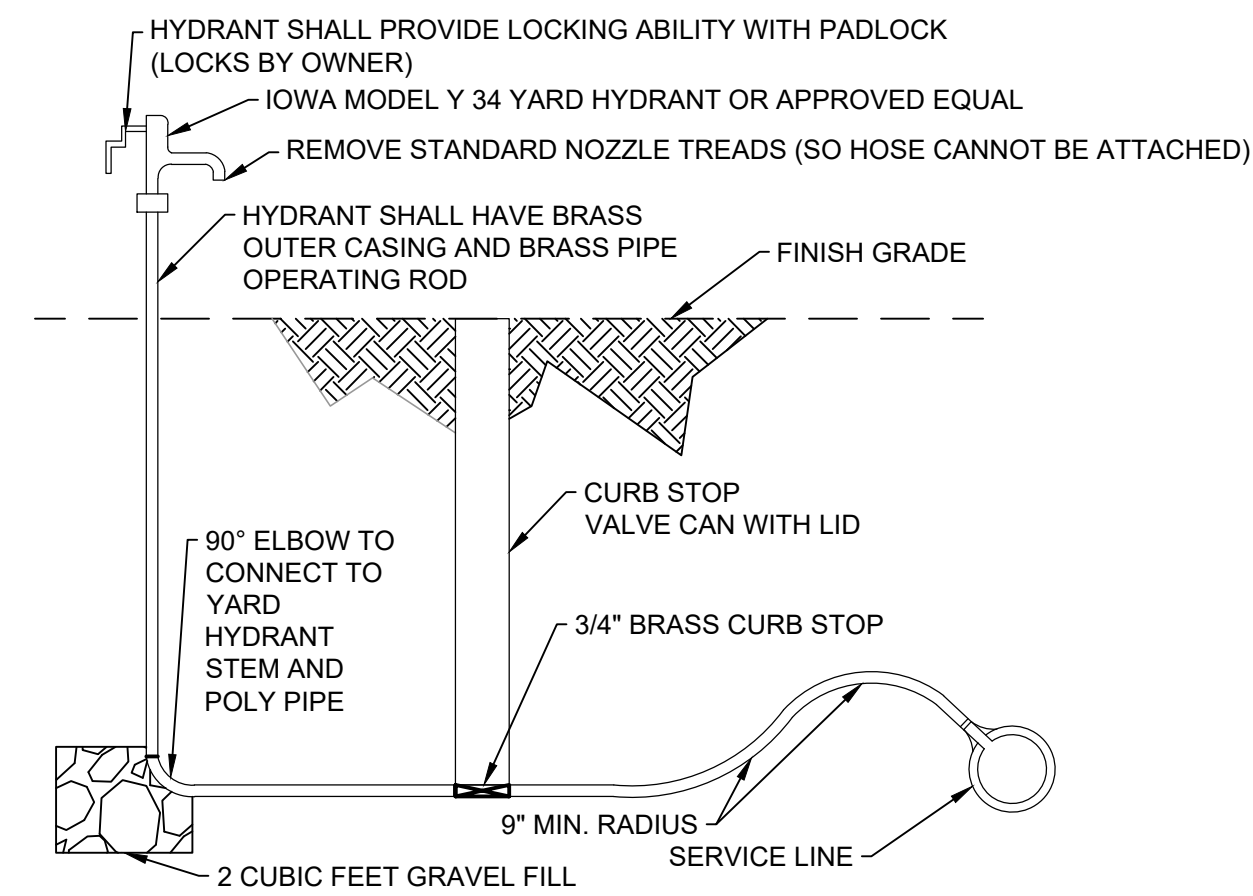
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 Consulting Scientists and Engineers  
 Helena, Montana 59601  
 3020 Bozeman Avenue  
 (406) 443-4150

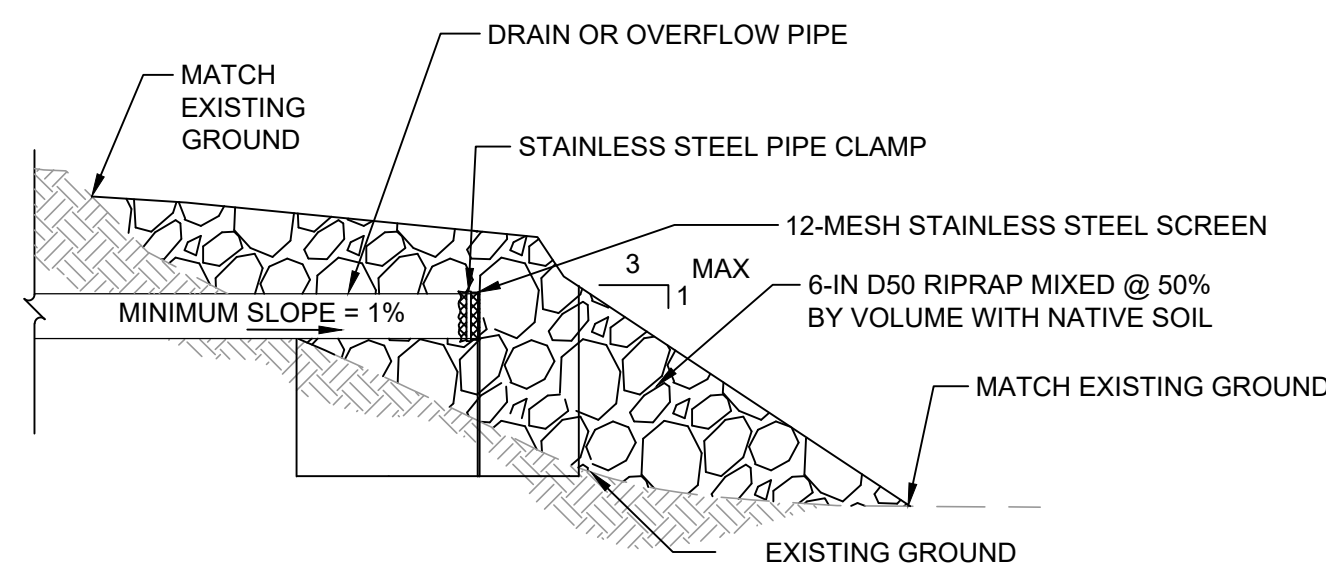
TIMBRSHOR PUBLIC WATER SYSTEM - WELL NO. 5/9  
**WATER MAIN PROFILES**

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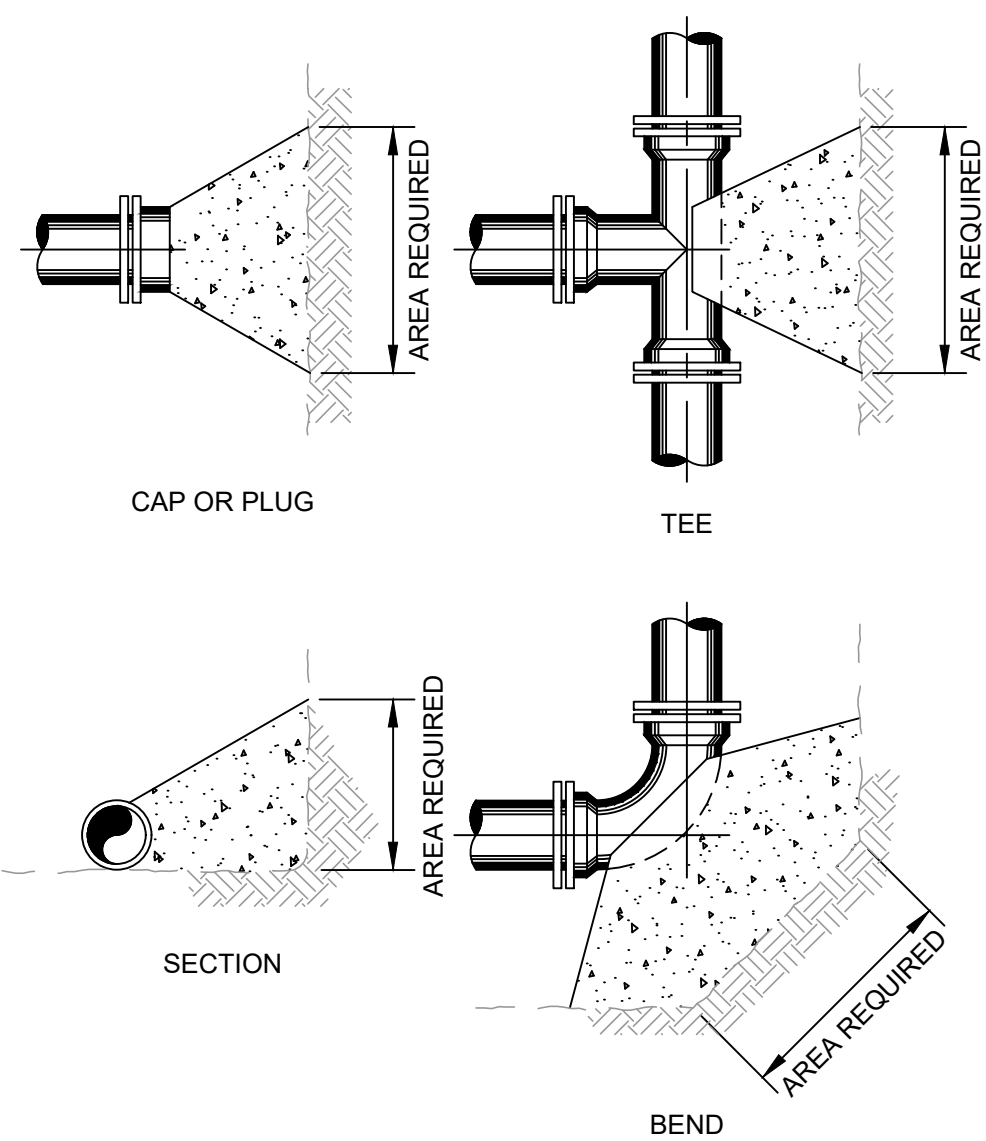


1 DETAIL  
FROST FREE HYDRANT  
SCALE: 1" = 5'



2 DETAIL  
POTABLE WATER - SANITARY SEWER CROSSING  
SCALE: 1" = 5'

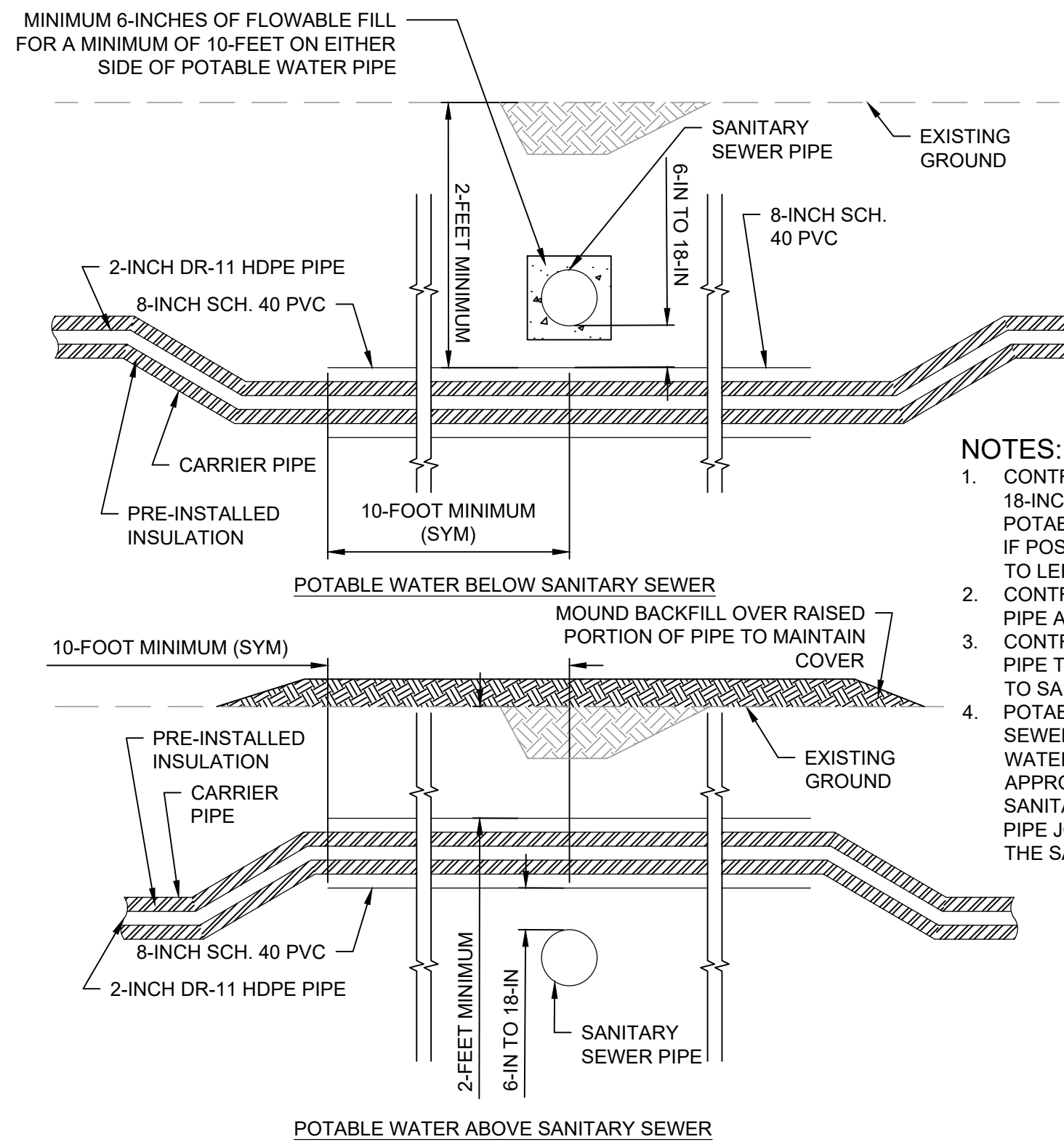
4 DETAIL  
OVERFLOW AND TANK DRAIN OUTLET PIPE  
SCALE: 1" = 5'



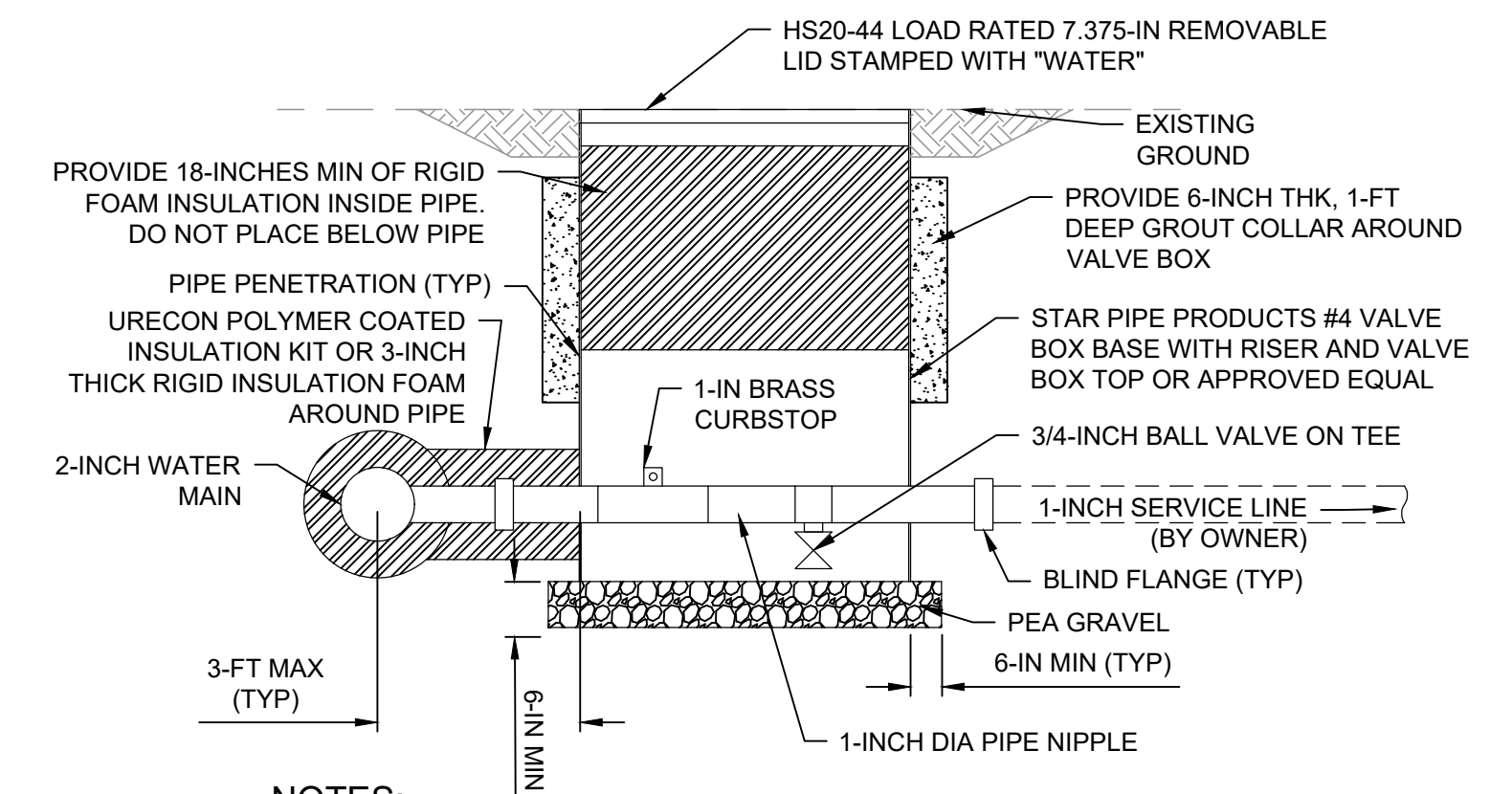
THRUST AREA REQUIRED - SQUARE FEET					
SIZE	1 1/4" BEND OR 22 1/2" BEND	45° BEND	90° BEND	TEE	CAP (OR PLUG)
2"	1.0	1.0	1.25	1.0	1.0

- CONCRETE SHALL HAVE NOT LESS THAN 4,500 PSI STRENGTH AT 28 DAYS.
- POUR CONCRETE AGAINST FIRM GROUND.
- JOINTS AND BOLTS SHALL BE ACCESSIBLE FOR REPAIRS.
- ALL SURFACES NOT POURED AGAINST FIRM GROUND SHALL BE FORMED OR FINISHED TO A REASONABLY SMOOTH SURFACE.
- POUR CONCRETE IN COMPLETELY DEWATERED TRENCH.

5 DETAIL  
THRUST BLOCKS  
SCALE: 1" = 5'

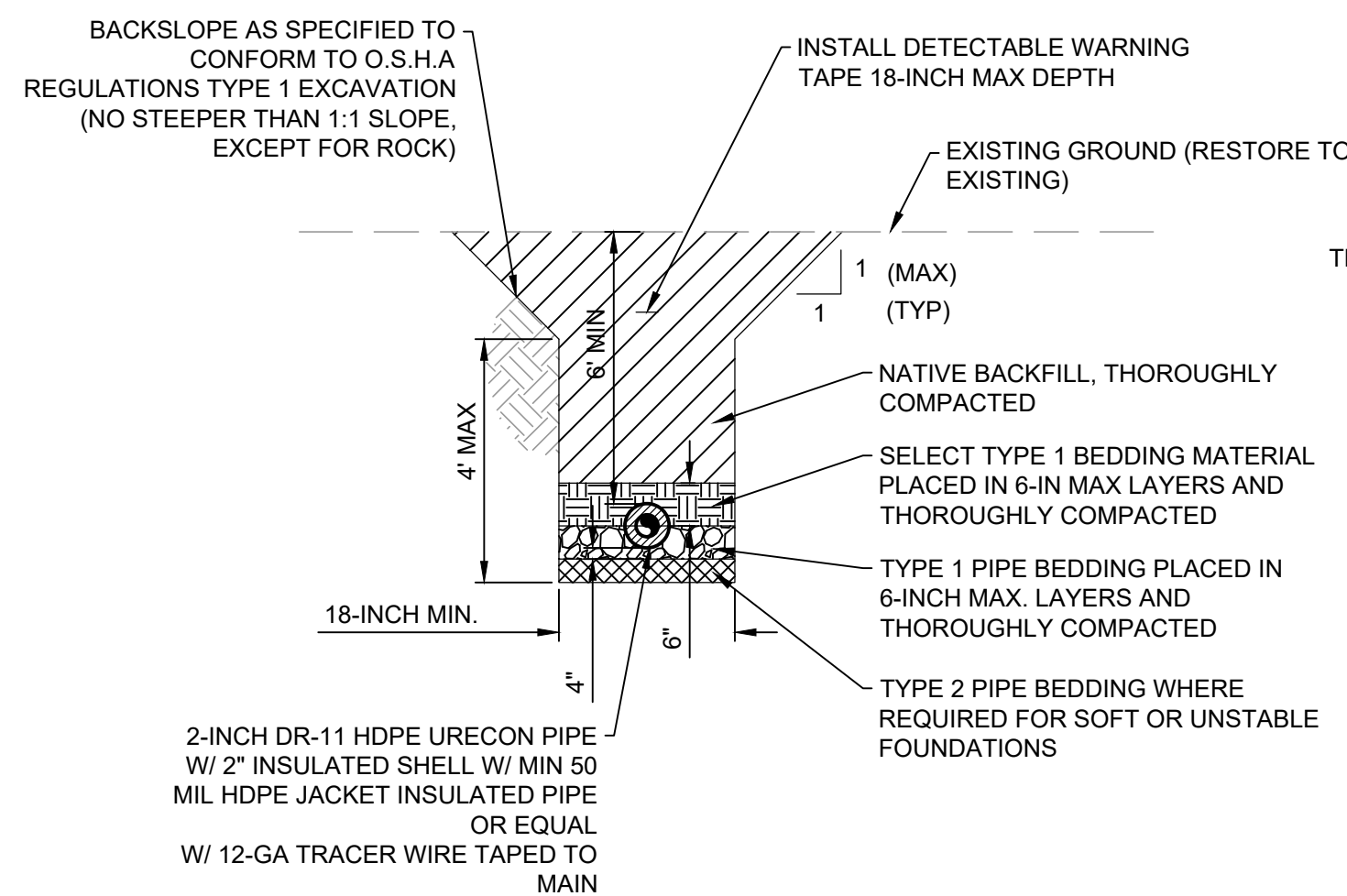


- NOTES:
- CONTRACTOR TO PROVIDE A MINIMUM OF 18-INCHES OF SEPARATION BETWEEN POTABLE WATER PIPE AND SANITARY SEWER IF POSSIBLE. IF NOT POSSIBLE, SEE DETAILS TO LEFT.
  - CONTRACTOR TO INSTALL POTABLE WATER PIPE ABOVE SANITARY SEWER IF POSSIBLE.
  - CONTRACTOR TO ORIENT POTABLE WATER PIPE TO APPROXIMATELY 90-DEGREE ANGLE TO SANITARY SEWER PIPE.
  - POTABLE WATER PIPE SHALL NOT CROSS THE SEWER PIPE AT A SEWER JOINT. POTABLE WATER PIPE SHALL BE LOCATED AT APPROXIMATELY THE MID-POINT BETWEEN SANITARY SEWER JOINTS. POTABLE WATER PIPE JOINTS SHALL ALSO BE APPROXIMATELY THE SAME DISTANCE FROM CROSSING



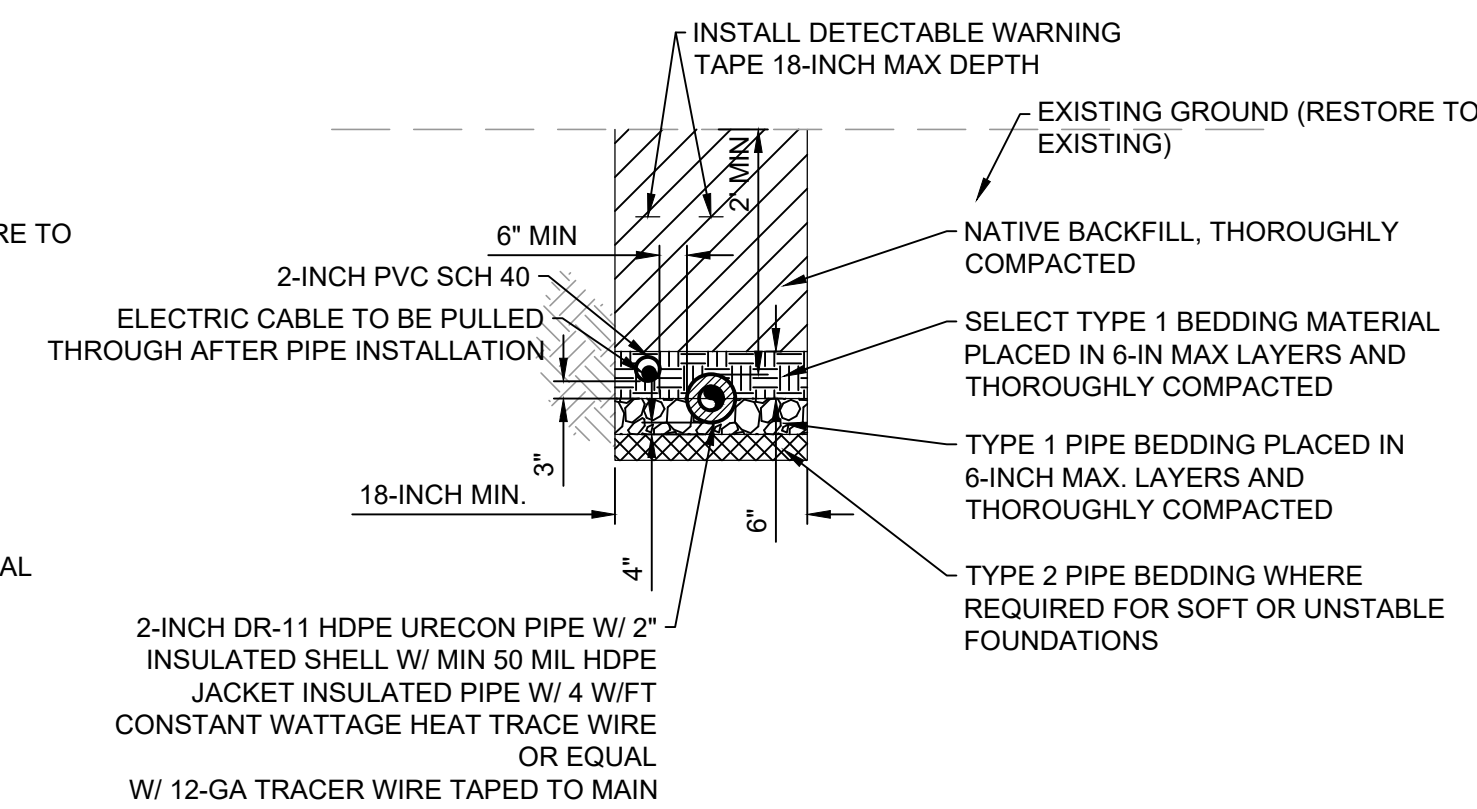
- NOTES:
- MAINTAIN MINIMUM 2-FOOT COVER BELOW FINISHED GRADE.
  - SERVICE LINE, INCLUDING SERVICE LINE HEAT TRACE SYSTEM, TO BE INSTALLED BY HOMEOWNER.
  - WRAP HEAT TRACE FROM 2-INCH WATER MAIN INTO CURBSTOP, AROUND CURBSTOP AND BALL VALVE AND RETURN HEAT TRACE TO 2-INCH WATER MAIN. (NOT SHOWN)
  - 1" DIA HEAT LINE CARAPACE PIPE, OR SIMILAR, WITH TEMPERATURE SENSOR AND THERMOSTAT MAY BE USED BY HOMEOWNER TO CONNECT ONTO SERVICE LINE CONNECTION. (NOT IN CONTRACT, NOT SHOWN)

3 DETAIL  
SERVICE LINE CONNECTION  
NOT TO SCALE



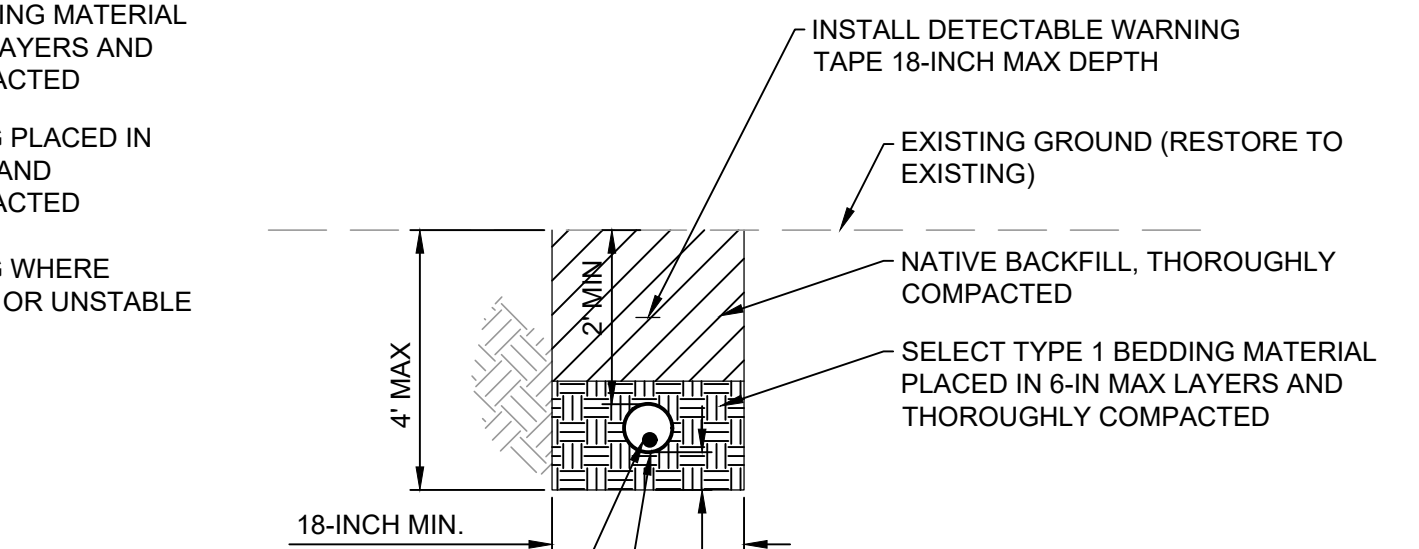
- NOTES:
- SURFACE CONDITIONS (PAVING/ETC) TO BE REPLACED IN KIND.
  - TRACER WIRE SHALL RUN UP VERTICALLY THROUGH VALVE BOXES. WRAP TRACER WIRE AROUND PIPE.
  - WARNING TAPE, 6-IN WIDE SHALL BE INSTALLED 12-18 INCHES BELOW FINISHED GRADE.
  - BEDDING MATERIALS MAY NOT BE REQUIRED IF EXCAVATED TRENCH SPOILS CAN BE USED TO BED THE PIPE TO THE ENGINEERS SATISFACTION.
  - HEAT TRACE WIRE NOT TO BE INCLUDED IN AREAS OF 6-FOOT BURY.

6 DETAIL  
RAW WATER SUPPLY  
SCALE: 1" = 5'



- NOTES:
- SURFACE CONDITIONS (PAVING/ETC) TO BE REPLACED IN KIND.
  - TRACER WIRE SHALL RUN UP VERTICALLY THROUGH VALVE BOXES. WRAP TRACER WIRE AROUND PIPE.
  - WARNING TAPE, 6-IN WIDE SHALL BE INSTALLED 12-18 INCHES BELOW FINISHED GRADE.
  - BEDDING MATERIALS MAY NOT BE REQUIRED IF EXCAVATED TRENCH SPOILS CAN BE USED TO BED THE PIPE TO THE ENGINEERS SATISFACTION.
  - POTABLE WATER MAIN SHALL BE CONSTRUCTED IN A SEPARATE TRENCH SEPARATED BY BEDROCK FROM EXISTING SANITARY SEWER MAIN.

7 DETAIL  
WATER MAIN WITH ELECTRICAL CONDUIT  
SCALE: 1" = 5'



- NOTES:
- SURFACE CONDITIONS (PAVING/ETC) TO BE REPLACED IN KIND.
  - WARNING TAPE, 6-IN WIDE SHALL BE INSTALLED 12-18 INCHES BELOW FINISHED GRADE.

8 DETAIL  
BURIED ELECTRIC CABLE  
SCALE: 1" = 5'

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

NO	BY	DATE	DESCRIPTION

NO	BY	DATE	DESCRIPTION

SCALE VERIFICATION  
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SCALES ACCORDINGLY

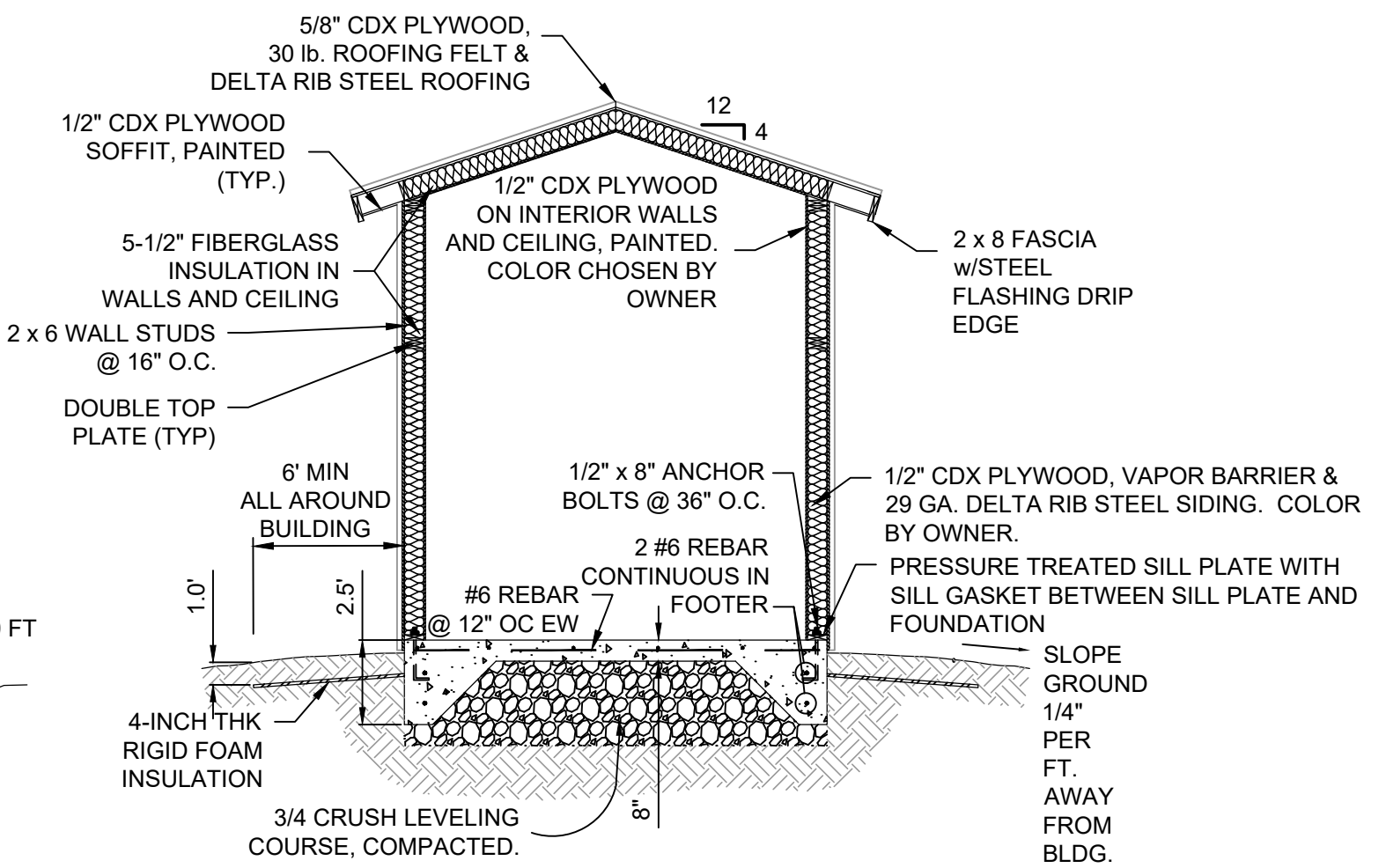
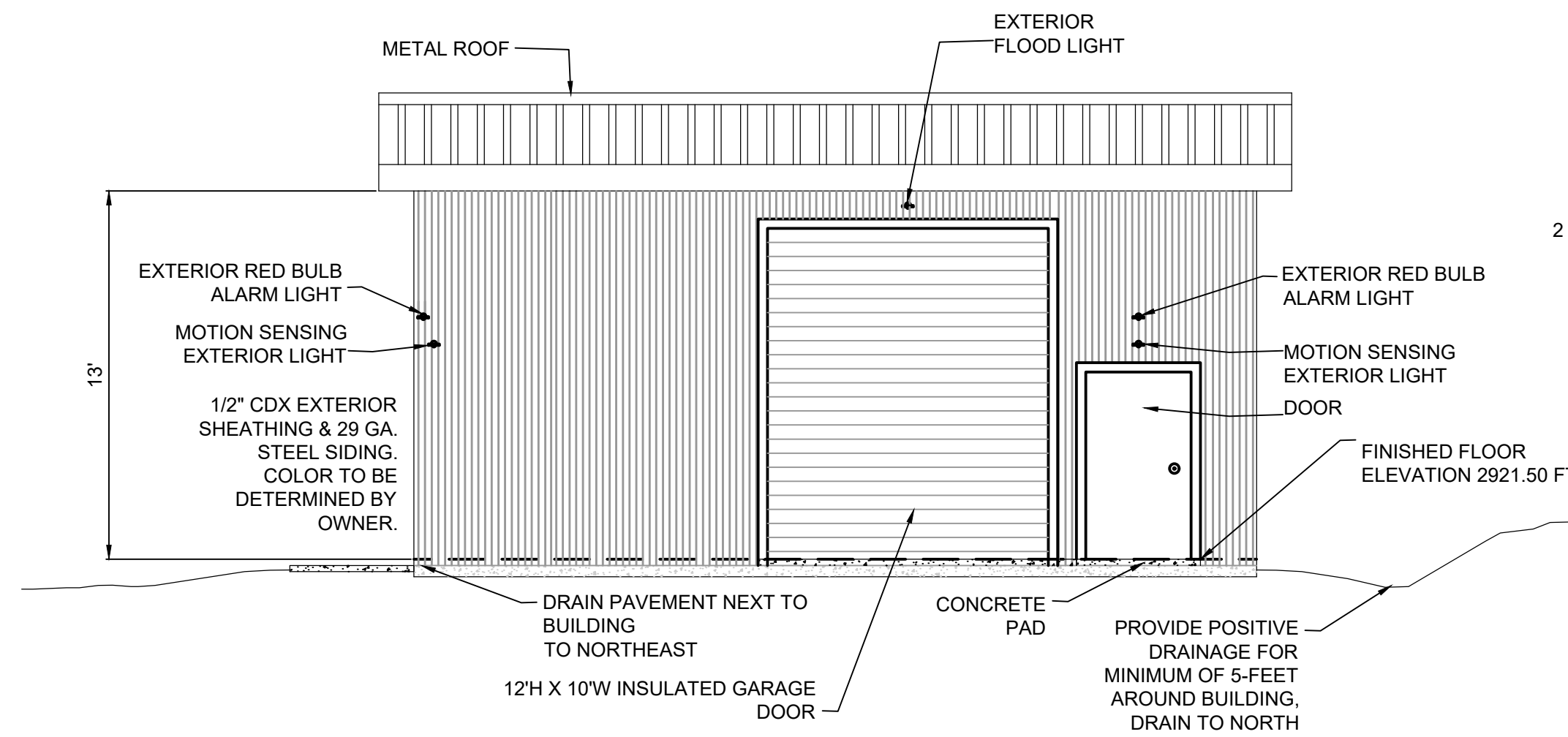
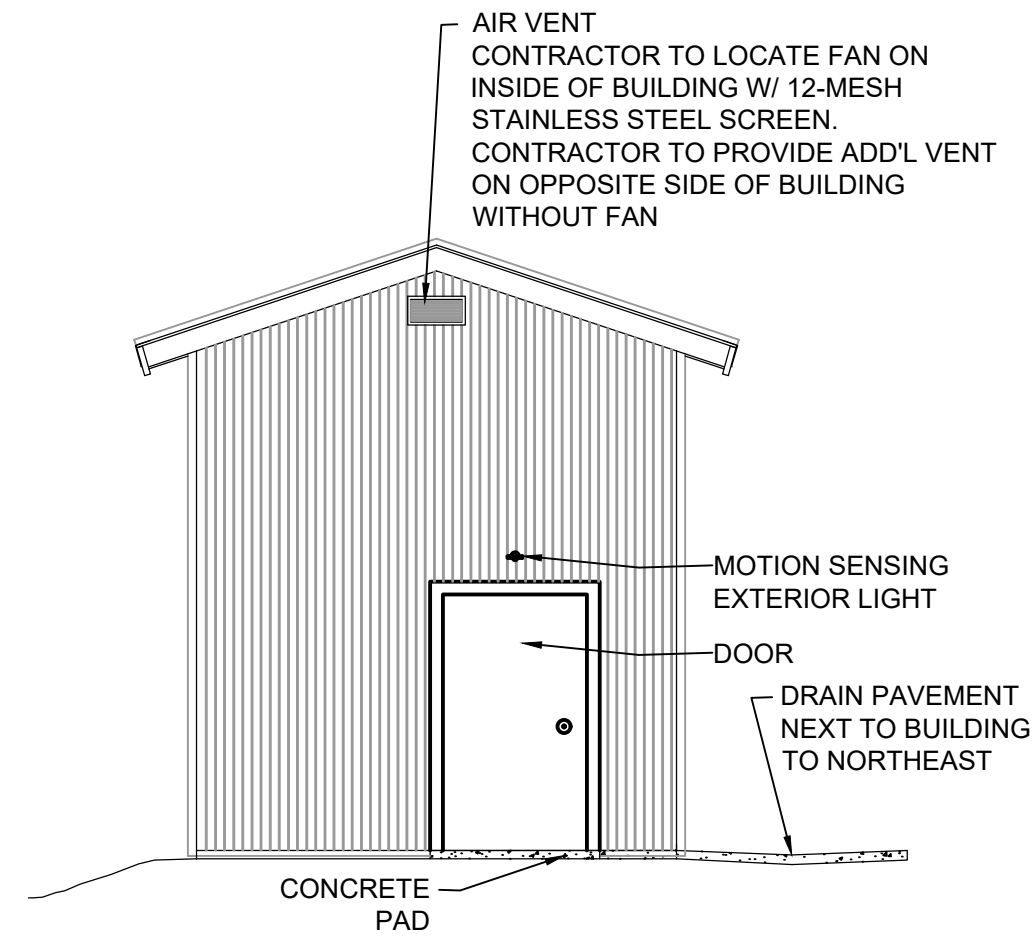
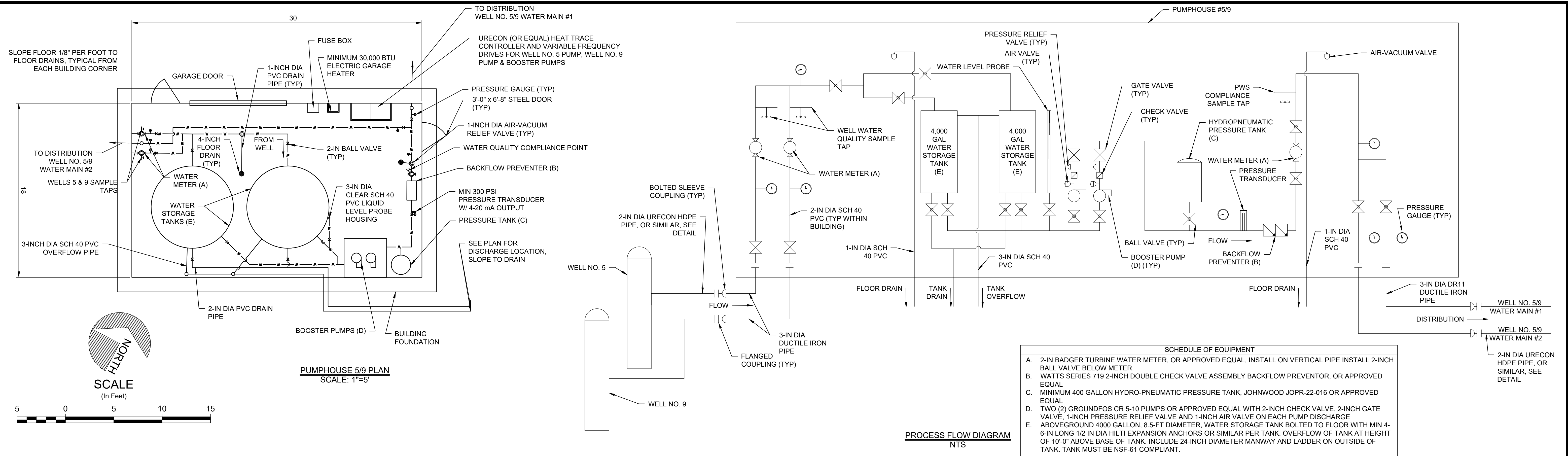
Project No.:	21001
DRAWN BY	RKK 2/7/22
CHECKED BY	
APPROVED BY	
SCALE:	AS NOTED

**Hydrometrics, Inc.**  
Consulting Scientists and Engineers  
Helena, Montana 59601  
3020 Bozeman Avenue  
(406) 443-4150

TIMBRSHOR PUBLIC WATER SYSTEM - WELL NO. 5/9  
**DETAILS**

DRAWING FILE NUMBER	1-PWS-WELL4
AUTOCAD 2020 DRAWING (DWG)	
SHEET NUMBER	4
REV	





**NOTES:**

- CONTRACTOR TO CONNECT RED BULB ALARM LIGHTS TO HEAT TRACE CONTROLLER AND TO BACK-UP POWER CIRCUIT TO TURN ON ALARM LIGHTS IF HEAT TRACE ALARM IS ACTIVATED OR IF BACK-UP POWER IS ACTIVATED.
- CONTRACTOR TO INSTALL CEILING LIGHTING WITHIN BUILDING SO THAT ALL AREAS OF BUILDING ARE WELL LIT.
- CONTRACTOR TO PROVIDE SMOOTH NOSE SAMPLING TAPS AT THE FOLLOWING LOCATIONS SHOWN ON PLANS:
  - ON VERTICAL RISER PIPE BETWEEN WELL AND WATER STORAGE TANKS.
  - AFTER HYDROPNEUMATIC PRESSURE TANK/BEFORE DISTRIBUTION.
- WATER TANKS SHALL BE EQUIPPED WITH WATERLINE CONTROLS WLC9100 LIQUID LEVEL PROBE, OR APPROVED EQUAL. CONTRACTOR TO CONFIGURE PROBE TO COMMUNICATE WITH WELL PUMP VFD TO TURN ON WELL WHEN WATER LEVEL IN TANK REACHES 6'-0" DEPTH AND TO TURN OFF AT 7'-0" DEPTH.
- ON ALL BURIED WATER PIPES ENTERING OR EXITING BUILDING ENVELOPE, CONTRACTOR SHALL PROVIDE A SMITH-BLAIR 411 BOLTED SLEEVE COUPLING, OR APPROVED EQUAL AT A DISTANCE OF 5'-0" OUTSIDE OF THE BUILDING FOUNDATION. CONTRACTOR SHALL CONNECT PVC PIPE TO DUCTILE IRON PIPE VIA CONCENTRIC REDUCER (NOT SHOWN) AND FLANGED COUPLING PRIOR TO BOLTED SLEEVE COUPLING. CONTRACTOR SHALL PROVIDE 3-INCH DUCTILE IRON PIPE WITH POLYETHYLENE WRAP TO A HEIGHT OF 1'-0" ABOVE THE BUILDING FLOOR SLAB.
- CONTRACTOR TO PROVIDE 0-120 PSI GLYCERINE FILLED PRESSURE GAUGES AT LOCATIONS MARKED ON DRAWINGS.
- CONTRACTOR TO PROVIDE MIN 400 CFM FAN TO VENTILATE BUILDING CONNECTED TO THERMOSTAT AND HUMIDITY SENSOR. OPERATIONAL POINTS TO BE DETERMINED BY OWNER.
- CONTRACTOR SHALL COORDINATE WITH MISSION VALLEY POWER TO COORDINATE CONNECTION OF POWER TO PUMPHOUSE #4 AND TO ENSURE THAT BACKUP POWER PROVIDED FROM GENERATOR BUILDING WILL TURN ON IN EVENT OF LOSS OF POWER FROM MISSION VALLEY POWER SYSTEM.
- CONTRACTOR SHALL PROVIDE LIGHTNING ARRESTOR AND SURGE PROTECTION ON ELECTRICAL SYSTEM.
- CONTRACTOR TO PROVIDE A MINIMUM OF FIVE(5) 2-INCH DIA SCH 40 PVC ELECTRICAL CONDUITS THROUGH FLOOR SLAB. (NOT SHOWN)
- FOUNDATION CONCRETE SHALL OBTAIN A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 4,000 PSI 28-DAYS AFTER PLACEMENT.

1 DETAIL  
PUMPHOUSE #5/9  
SCALE: 1" = 5'

**PRELIMINARY**  
**NOT FOR**  
**CONSTRUCTION**

NO	BY	DATE	DESCRIPTION	NO	BY	DATE	DESCRIPTION

SCALE VERIFICATION  
BAR IS ONE INCH ON  
ORIGINAL DRAWING  
IF NOT ONE INCH ON  
THIS SHEET, ADJUST  
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Project No.: 21001  
DRAWN BY: RKK 2/7/22  
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TIMBRSHOR PUBLIC WATER SYSTEM - WELL NO. 5/9

**PUMPHOUSE #5/9 DETAILS**

DRAWING FILE NUMBER	1-PWS-WELL4
AUTOCAD 2020 DRAWING (DWG)	
SHEET NUMBER	5