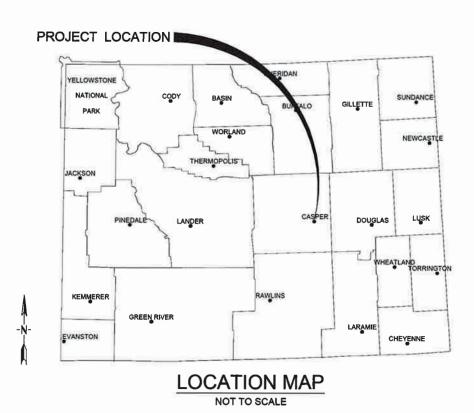
# CONSTRUCTION DRAWINGS FOR CASPER COLLEGE **BARN 4 SEPTIC UPGRADES**

## CASPER, WYOMING **AUGUST 2022**





123 West 1st Street, Suite 640, Casper, WY 82601 \$ 307.577.0450 • www.m-m.net

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**CONSTRUCTION DRAWINGS** 





VICINITY MAP



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VERIFY COLORI THIS SHEET IS INTENDED TO BE IN COLOR. RED, GREEN AND BLUE WILL BE VISIBLE IF REPRODUCED CORRECTLY.

APPROVED BY:

PROJECT MANAGER

**AUTHORIZED BY AUTHORITY OF** 

Water Quality Rules and Regulations, Chapter III

Director
Department of Environmental Quality

PERMIT NO 2022 - 227

SET NO.

PROJECT LOCATION

MORRISON-MAIERLE PROJECT NO. 6002.012

## **GENERAL NOTES**

- ALL QUANTITIES ARE CONSIDERED APPROXIMATE
- CONTRACTOR AND ALL SUB-CONTRACTORS SHALL BE LICENSED IN ACCORDANCE WITH LOCAL REGULATIONS.
- CONTRACTOR SHOULD MAKE ACTUAL FIELD INVESTIGATIONS TO ASSURE HIMSELF OF THE PHYSICAL FEATURES AND MAKE SURVEY TIES TO KNOWN OR PERMANENT STRUCTURES OR MONUMENTS.
- ANY DISTURBED PROPERTY, SECTION CORNERS, OR MONUMENTS SHALL BE RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF WYOMING, AT THE CONTRACTOR'S EXPENSE.

## **EXISTING UTILITIES**

- THE CONTRACTOR IS REQUIRED TO COMPLY WITH THE TERMS OF THE WYOMING STATUTE W.S. 37-12-30 THROUGH W.S. 37-12-305 "WYOMING UNDERGOUND FACILITIES NOTIFICATION ACT." THIS INCLUDES CALLING "ONE-CALL OF WYOMING" (1-800-849-2476 OR "811") IN ACCORDANCE WITH WYOMING STATUTES BEFORE PROCEEDING WITH THE WORK
- UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE BASED ON RECORDS OF UTILITY COMPANIES AND FIELD VERIFICATION BY THE UTILITY COMPANIES, PROVIDED TO THE ENGINEER. FIELD VERIFICATION OF BURIED GAS, ELECTRIC, TELEPHONE, WATER, AND SEWER ARE BY ELECTRONIC OR MAGNETIC DETECTION METHODS. NO EXCAVATION WAS PERFORMED
- NOT ALL UTILITIES ARE SHOWN IN THE STREET OR UTILITY PROFILE DRAWINGS
- 4. CONTRACTOR SHALL CONTACT UTILITY COMPANIES 48 HOURS PRIOR TO TRENCHING WITHIN 10 FEET OF ALL OVERHEAD POLES, GUY LINES AND ANCHORS TO ALLOW FOR THE UTILITY COMPANY TO SECURE THEM.
- THE CONTRACTOR SHALL NOTIFY THE OWNER OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION, WHETHER ACTIVE OR ABANDONED. BEFORE BACKFILLING, THE CONTRACTOR SHALL RECORD TYPE, SIZE LOCATION AND DEPTH. ALL UTILITIES FOUND, CROSSED OR ABANDONED SHALL BE CLEARLY NOTED AND DESCRIBED ON THE PROJECT RECORD DRAWINGS.
- ALL CONNECTION POINTS TO EXISTING WATER AND SEWER LINES SHALL BE EXCAVATED VERIFYING THE DEPTH, PIPE SIZES, AND PIPE TYPES PRIOR TO ORDERING OF MATERIALS. CONNECTION INFORMATION SHALL BE SHALL BE CLEARLY NOTED AND DESCRIBED ON
- CONTRACTOR SHALL REMOVE AND RESET ALL CULVERTS DESIGNATED TO REMAIN IN PLACE OR OTHERWISE WORK AROUND THE CULVERTS TO MAINTAIN THE EXISTING CONDITION AND GRADE.

## PROPOSED UTILITIES

- CONTRACTOR SHALL VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITY LINES (BY POTHOLING IF NECESSARY) AHEAD OF NEW UNDERGROUND UTILITY INSTALLATION IN ORDER TO PREVENT CONFLICTS.
- CONTRACTOR SHALL COORDINATE UTILITY INSTALLATIONS TO AVOID CONFLICTS WITH ALL OTHER EXISTING AND PROPOSED UTILITIES.
- 3. PIPE JOINT DEFLECTIONS ARE NOT TO EXCEED MANUFACTURER'S REQUIREMENTS.
- ADDITIONAL HORIZONTAL DEFLECTIONS AT PIPE JOINTS AND FITTINGS BEYOND THOSE SHOWN ON THE DRAWING MAY BE NEEDED DURING CONSTRUCTION. THESE DEFLECTIONS SHALL NOT EXCEED MANUFACTURER'S REQUIREMENTS. THE PIPE CANNOT BE ALLOWED TO SHIFT IN LOCATION SIGNIFICANTLY WITHOUT THE ENGINEER'S APPROVAL PRIOR TO BACKFILLING.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND WYOMING DEQ RULES. REGULATIONS AND POLICIES.
- CONTRACTOR SHALL CENTER AN 14 FOOT OR 20-FOOT LENGTH OF WATER PIPE AT ALL SEWER CROSSINGS AND AT ALL CROSSINGS OF UNKNOWN SANITARY SEWER OR STORM DRAIN THAT ARE ENCOUNTERED DURING EXCAVATION.
- ADJUST ALL CLEANOLITS AND MANHOLES TO FINAL FINISHED GRADE FLEVATION LIPON COMPLETION OF ALL CONSTRUCTION. ANY STRUCTURES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR OR ANY SUB-CONTRACTOR SHALL BE REPAIRED SOLELY AT THE CONTRACTOR'S EXPENSE. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT; SEPARATE PAYMENT WILL NOT BE MADE

- UNDER NO CIRCUMSTANCES SHOULD THE INFORMATION PROVIDED BE INTERPRETED TO MEAN THAT THE ENGINEER IS ASSUMING RESPONSIBILITY FOR CONSTRUCTION SITE SAFETY OR THE CONTRACTOR'S ACTIVITIES. SUCH RESPONSIBILITY IS NOT BEING IMPLIED
- CONTRACTOR SHALL CLEARLY MARK AND/OR FENCE ALL OBSTRUCTIONS, EXCAVATIONS, CONSTRUCTION MATERIALS AND EQUIPMENT. THE PROJECT SUPERINTENDENT (OR A DESIGNATED REPRESENTATIVE) SHALL MONITOR THE PROJECT FOR SAFETY CONCERNS AND POTENTIAL HAZARDS AT ALL TIMES.
- GENERAL: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGNING AND CONSTRUCTING STABLE, TEMPORARY EXCAVATIONS AND SHOULD SHORE, SLOPE, OR BENCH THE SIDES OF THE EXCAVATIONS AS REQUIRED TO MAINTAIN STABILITY OF BOTH THE EXCAVATION SIDES AND BOTTOM. ALL EXCAVATIONS SHOULD COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE CURRENT OSHA EXCAVATION AND TRENCH SAFETY STANDARDS. CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL ALSO BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, AND SEQUENCING OF CONSTRUCTION
- EXCAVATION AND SLOPES: IN NO CASE SHOULD SLOPE HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH, INCLUDING UTILITY TRENCH EXCAVATION DEPTH, EXCEED THOSE SPECIFIED IN LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS. SPECIFICALLY, THE CURRENT OSHA HEALTH AND SAFETY STANDARDS FOR EXCAVATIONS, 29 CFR PART 1926 SHOULD BE FOLLOWED. IT IS THE ENGINEER'S UNDERSTANDING THAT THESE REGULATIONS ARE BEING STRICTLY ENFORCED AND IF THEY ARE NOT CLOSELY FOLLOWED, THE CONTRACTOR COULD BE LIABLE FOR SUBSTANTIAL PENALTIES.

ALL DISTURBED AREAS OF GRASS SHALL BE SEEDED WITH AN APPROVED SEED MIXTURE ACCEPTABLE TO THE ENGINEER. INCIDENTAL TO THE OTHER ITEMS OF THE WORK

## SEWER

SCHEDULE 40 PVC

CONCRETE PRECAST 2000 GALLON SEPTIC TANK - BIGHORN PRECAST 2000 GALLON, 2 CHAMBER

## VERIFY SCALE! NO. DESCRIPTION BY DATE LINE BELOW MEASURES ONE INCH ON ORIGINAL DRAWING. MODIFY SCALE ACCORDINGLY TED BY:KATELYN I OLI AR ON Aug/18/20









DRAWN BY: KRL DSGN. BY: ZAG APPR. BY: ZAG DATE: 08/2022 Q.C. REVIEW

CASPER

(C)

EXISTING BUSH

EXISTING CONTOUR NEW CONTOUR BORE HOLE

► DITCH SHOWING DIRECTION OF FLOW

CASPER COLLEGE **BARN 4 SEPTIC UPGRADES** 

WYOMING

SHEET NUMBER DRAWING NUMBER

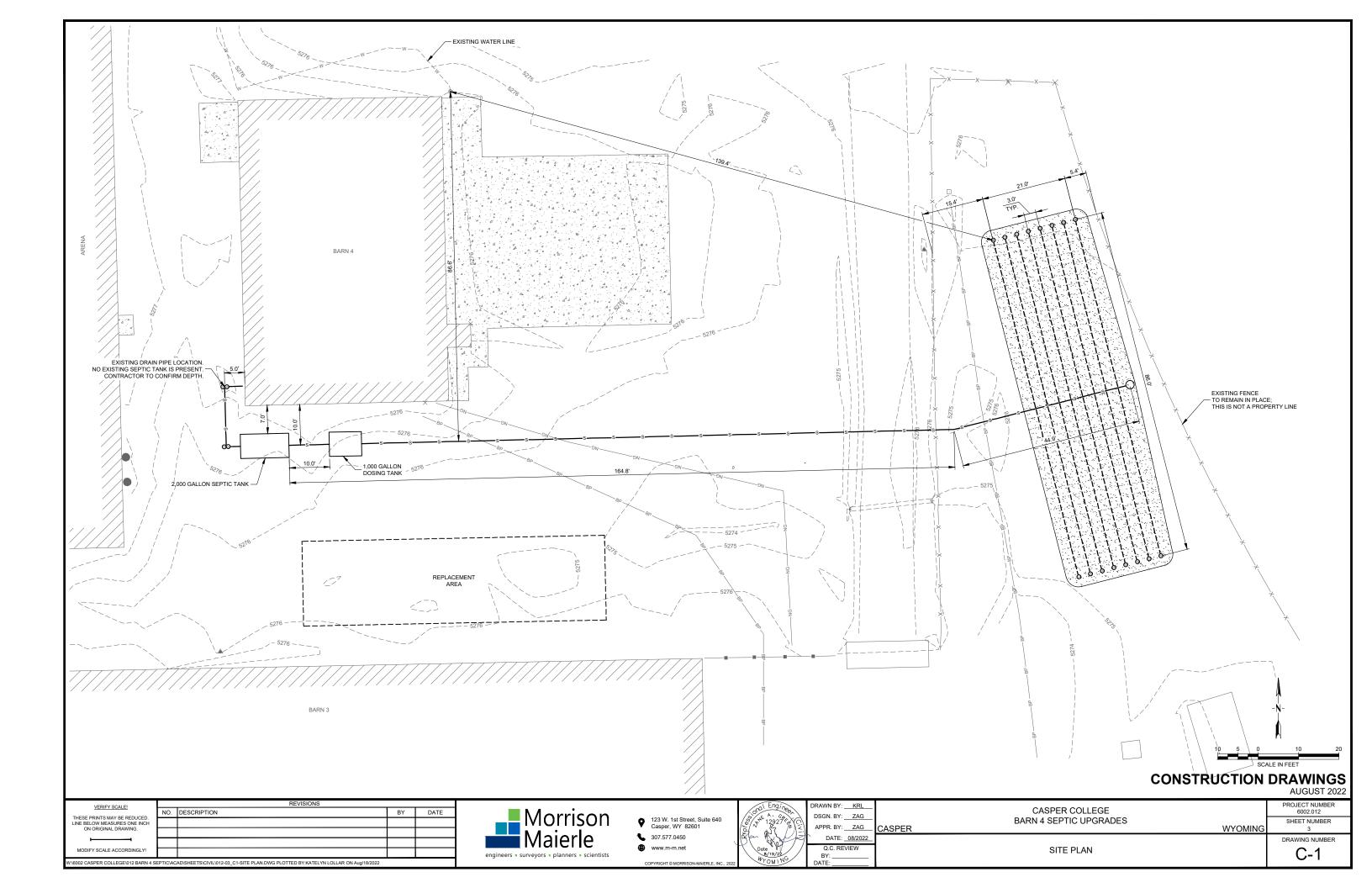
GENERAL NOTES AND PROJECT NOTES G-1

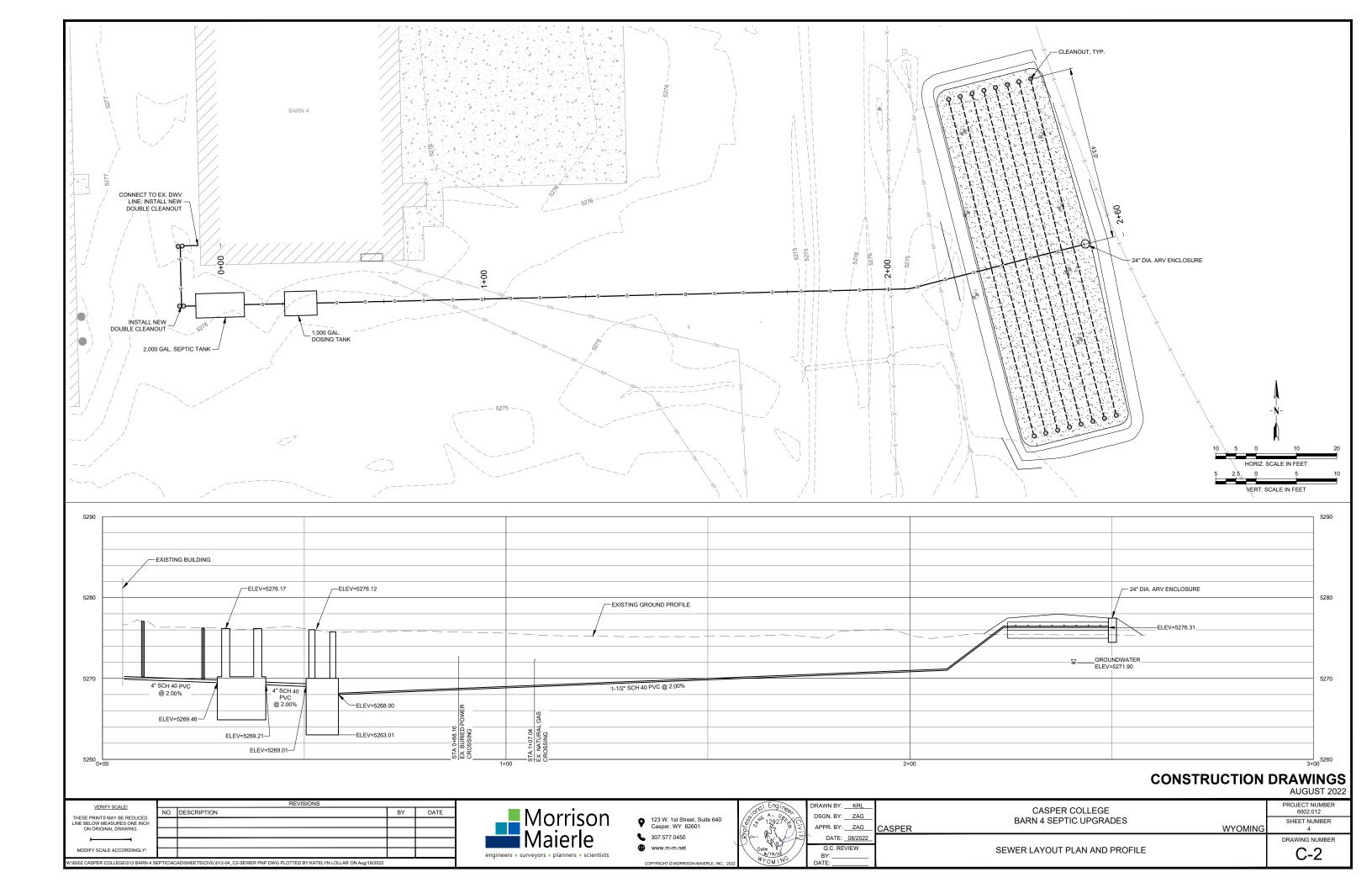
### **ABBREVIATIONS** TOPOGRAPHIC LEGEND

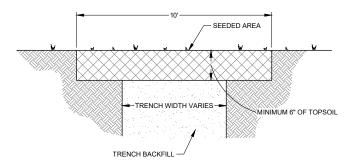
AMERICANS WITH DISABILITIES ACT ALTERNATE — — BOUNDARY AND/OR PROPERTY LINE EDGE OF CONCRETE FL. FLEV FLEVATION — CENTERLINE (€) EDGE OF PAVEMENT EP FINISHED GRADE HOT BITUMINOUS ASPHALT — — — ROAD (EDGE OF EXISTING PAVEMENT) MAX MAXIMUM · · · — · · · · — CURB FLOWLINE MIN MINIMUM SCHEDULE → EXISTING CULVERT R&R REMOVE AND REPLACE TBC TOP BACK OF CURB CONTROL POINT TYP TYPICAL WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY PROPERTY BOUNDARY CORNER WYDEQ FENCE LINE BURIED FIBER OPTIC BURIED POWER EXISTING OVERHEAD POWER — NG — —— EXISTING NATURAL GAS BT \_\_\_\_\_ BURIED TELEPHONE EXISTING WATER MAIN — NEW WATER MAIN — FS — EXISTING SANITARY SEWER MAIN ----EWS------- EXISTING WATER SERVICE - WS - WATER SERVICE EXISTING HEART MOUNTAIN IRRIGATION DISTRICT — NEW IRRIGATION LINE —s — NEW SANITARY SEWER MAIN — ESS — EXISTING SANITARY SEWER SERVICE - EXISTING STORM SEWER PIPE SIGN, ONE POST OR TWO POST (S) EXISTING SANITARY SEWER MANHOLE (D) EXISTING STORM SEWER MANHOLE . EXISTING STORM SEWER INLET T U EXISTING UTILITY OR TELEPHONE POLE EXISTING UTILITY POLE GUY WIRE  $\Diamond$ EXISTING LUMINAIRE POLE Ď EXISTING FIRE HYDRANT 8 PROPOSED FIRE HYDRANT WV EXISTING WATER VALVE S∨ M EXISTING NATURAL GAS VALVE EXISTING TELEPHONE PEDESTAL Р EXISTING ELECTRIC TRANSFORMER G WATER METER W GAS METER EXISTING TREE, CONIFEROUS 劵 EXISTING TREE, DECIDUOUS

## **CONSTRUCTION DRAWINGS** AUGUST 2022

PROJECT NUMBER 6002.012







FOR REQUIREMENTS OF SEED MIXTURE AND APPLICATION SEE SPECIFICATION 02480.

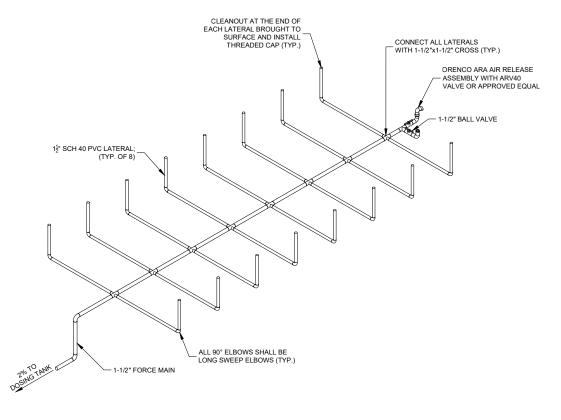
### NOTES:

- THIS RESTORATION WILL BE REQUIRED ON ALL DISTURBED AREAS THAT WILL NOT BE COVERED WITH SOD OR OTHER SURFACING.
- 2. ROCKS LARGER THAN 2" CANNOT BE PLACED WITHIN TOPSOIL.

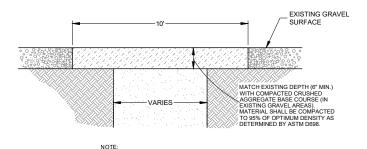


TRENCH RESTORATION - GRASS AREAS

SCALE: N.T.S.

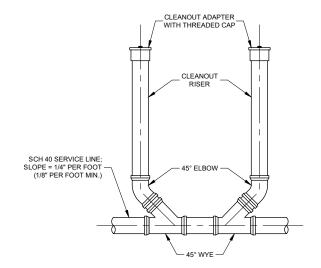


LATERAL DETAIL



THIS RESTORATION WILL BE REQUIRED WITHIN ANY R.O.W . OR OTHER AREA WITH GRAVEL SURFACING.

TRENCH RESTORATION - GRAVEL SURFACE SCALE: N.T.S.



NOTES:

1. CLEANOUTS TO BE SAME DIAMETER AS SERVICE LINE.

3

SANITARY SEWER CLEANOUT

CONTINE

## **CONSTRUCTION DRAWINGS**

AUGUST 2022

VERIFY SCALE

VERIFY SCALE

THESE PRINTS MAY BE REDUCED.

THESE PRINTS MAY BE REDUCED.

ON ORIGINAL DRAWING.

MODIFY SCALE ACCORDINGLY!

BY DATE

NO. DESCRIPTION

BY DATE

SCALE: N.T.S.







/	DRAWN BY:	KRL	
	DSGN. BY:	ZAG	
·) </th <td>APPR. BY:</td> <td>ZAG</td> <td>CAS</td>	APPR. BY:	ZAG	CAS
14	DATE:	08/2022	
/ /	Q.C. RE		

CASPER CC BARN 4 SEPTIC SPER

CASPER COLLEGE
BARN 4 SEPTIC UPGRADES

WYOMING

PROJECT NUMBER
6002.012

SHEET NUMBER
5

DRAWING NUMBER

Q.C. REVIEW
BY:
DATE:
DATE:

