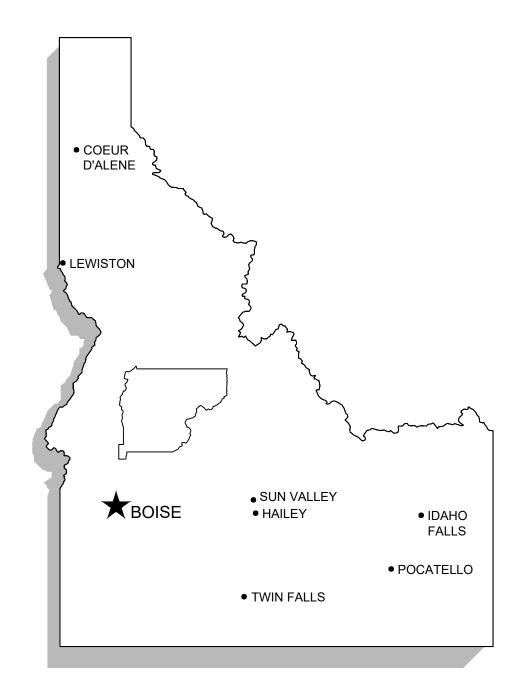
LAKE FORK INDUSTRIAL PARK

SECTION 3, TOWNSHIP 17N, RANGE 3E B.M.

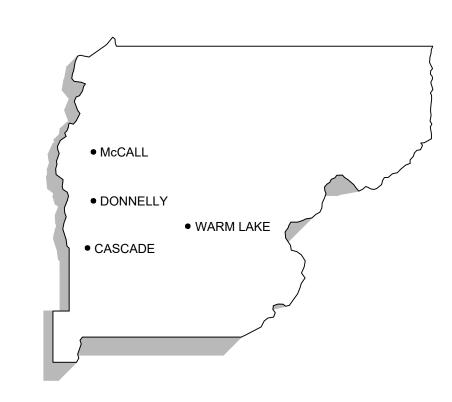
VALLEY COUNTY, IDAHO

221084

2/23/2023







PROJECT LOCATION



VICINITY MAP

SHEET INDEX				
SHEET NUMBER	SHEET TITLE			
C-001	TITLE PAGE & INDEX			
C-002	NOTES & LEGEND			
CS-100	SITE MAP			
CS-101	SITE MAP BLDG 1			
CS-102	SITE MAP BLDG 2			
CS-103	SITE MAP BLDG 3			
CG-101	GRADING & DRAINAGE PLAN BLDG 1			
CG-102	GRADING & DRAINAGE PLAN BLDG 2			
CG-103	GRADING & DRAINAGE PLAN BLDG 3			
SW-100	STORM WATER PLAN			
CS-501	DETAILS BUILDING 1			
CS-502	DETAILS BUILDING 2			
CS-503	DETAILS BUILDING 3			
CS-504	DETAILS			

ABCONFERING

119 N Midland Blvd. Nampa, Idaho 83651 Phone (208) 955-8126

TITLE PAGE & INDEX
LAKE FORK INDUSTRIAL PARK
STATE HIGHWAY 55
EY COUNTY
MCCALL IDAH

	DESCRIPTION		
	ВУ		
NEVISIONS	DATE		
	NO.		

FILE NUMBER: 221084

DESIGNED BY:

DESIGNED BY:
R. LOFTHOUSE
DRAWN BY:
R. LOFTHOUSE

DATE
November 2022

C-001

GENERAL NOTES

- 1. CONSTRUCTION SHALL BE PER THE LATEST VERSION OF THE ISPWC, VALLEY COUNTY STANDARDS, THE NLRSWD STANDARDS OR SUPPLEMENTAL SPECIFICATIONS, TECHNICAL GUIDANCE MANUAL (TGM), AND THESE CONSTRUCTION PLANS. IF CONTRADICTIONS EXIST, THE MORE STRINGENT SPECIFICATION SHALL BE USED AS DETERMINED BY TGM. THE CONTRACTOR SHALL HAVE A COPY OF SAID STANDARDS AND APPROVED CONSTRUCTION DRAWINGS AT ALL TIMES.
- CONTRACTOR SHALL FURNISH AND INSTALL EVERYTHING REQUIRED TO PROVIDE COMPLETE AND OPERABLE FACILITIES AS SHOWN HEREIN. IF THERE IS AN OMISSION ON THE PLANS, SUCH OMISSION SHALL NOT BE CONSTRUED TO MEAN THAT THE CONTRACTOR IS NOT REQUIRED TO FURNISH OR PROVIDE EVERYTHING THAT IS NECESSARY TO PROVIDE COMPLETE AND OPERABLE FACILITIES.
- ANY CHANGES TO THE DESIGN AS SHOWN IN THESE CONSTRUCTION DRAWINGS MUST BE REVIEWED AND APPROVED BY THE ENGINEER AND THE OWNER OR OWNER'S REPRESENTATIVE BEFORE CHANGES ARE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS, OTHER SURVEY MARKERS, STREET SIGNS, UTILITIES, IRRIGATION LINES, PAVEMENT, TREES, FENCES, AND ANY OTHER IMPORTANT OBJECTS ON OR ADJACENT TO THE JOB SITE AS DETERMINED BY THE OWNER'S REPRESENTATIVE OR ENGINEER. DISTURBED MONUMENTS SHALL BE REPLACED BY AN IDAHO LICENSED PROFESSIONAL LAND SURVEYOR.
- CONTRACTOR SHALL CONTACT IDAHO DIG LINE (208) 342-1585 TO MARK AND IDENTIFY UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- CONTRACTOR SHALL LEGALLY DISPOSE OF ALL EXCESS MATERIAL. TRASH MUST BE DISPOSED OF LEGALLY OFF SITE.
- 7. ALL "OR EQUAL" ITEMS ARE SUBJECT TO REVIEW AND APPROVAL OF THE ENGINEER.
- CONTRACTOR SHALL PROVIDE, MAINTAIN, AND BE RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL STRUCTURES AND PRACTICES AND MEET THE REQUIREMENTS OF ANY AGENCY HAVING JURISDICTION.
- CONTRACTOR TO OBTAIN AND PAY ALL COSTS FOR ALL APPLICABLE PERMITS, INCLUDING BUT NOT LIMITED TO RIGHT-OF-WAY PERMITS.
- UPON THE COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT A SET OF "RED-LINED" RECORD DRAWINGS TO THE ENGINEER OR OWNER'S REPRESENTATIVE.
- 11. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE OWNER'S REPRESENTATIVE PRIOR TO, DURING, AND AT THE COMPLETION OF CONSTRUCTION ACTIVITY.
- 12. IF WITHIN ONE (1) YEAR FROM THE DATE OF COMPLETION, STORM WATER FACILITIES, ASPHALT SURFACE REPAIRS, AND ALL APPURTENANCES OR ANY PART THEREOF INSTALLED AS NEW SHALL PROVE TO BE DEFECTIVE IN INSTALLATION, MATERIAL, OR WORKMANSHIP THE CONTRACTOR SHALL WARRANT REPLACEMENT OR REPAIR TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO EXPENSE TO THE OWNER.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN AS AN APPROXIMATE LOCATION ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- CONTRACTOR TO NOTIFY AND COORDINATE WITH PRIVATE PROPERTY OWNERS PRIOR TO BLOCKING AND DETOURING DRIVEWAYS AND PROPERTY ACCESS POINTS.
- 15. ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY.
- 16. CONTRACTOR SHALL PROVIDE, MAINTAIN, AND BE RESPONSIBLE FOR TRAFFIC CONTROL PERSONNEL AND DEVICES.
- CONTRACTOR SHALL PROVIDE A DEWATERING PLAN PRIOR TO EXCAVATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DEWATER ALL EXCAVATIONS DURING CONSTRUCTION AS NEEDED. GROUNDWATER SHALL BE KEPT BELOW THE BOTTOM OF EXCAVATIONS DURING INSTALLATION AND TESTING OF ALL UTILITIES AND STRUCTURES.
- BURIED UTILITIES AND OTHER FEATURES UNDER SNOW WERE NOT VERIFIABLE DURING DESIGN. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF

CALL BEFORE YOU DIG!

- 1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL UTILITY COMPANIES OF THE CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MAY OCCUR BY FAILURE TO EXACTLY LOCATE AND PROTECT ALL UTILITIES.
- 2. CONTRACTOR SHALL CONTACT DIGLINE 48 HOURS PRIOR TO ANY EARTH DISTURBING ACTIVITIES ON SITE, AND REQUEST LOCATE OF UNDERGROUND UTILITIES.



*The 811 logo is a registered trademark of the CGA.

LEGEND

CENTER LINE	
EDGE OF PAVEMENT	—— EP —— EP ——
EDGE OF GRAVEL	—— EG —— EG ——
FENCE LINE	x x
GAS LINE	—— GAS ——— GAS ——
OVERHEAD POWER LINE	OHP
PROPERTY LINE	
STORMDRAIN LINE	—— SD ——— SD ———

____ SD ____ ss — ss — SEWER LINE — TEL — TEL — TELEPHONE LINE —— W ——— W ——— WATER LINE EXISTING DITCH __..._

GRADE BREAK LINE **EXISTING MAJOR EXISTING MINOR** BENCH MARK BM **ELEVATION EXISTING** EX FINISH GRADE GRADE BREAK INVERT MATCH RADIUS RIM OF FEATURE RIM TOP OF CONCRETE

TOP OF PAVEMENT TΑ WATER METER ASPHALT PAVEMENT

SWALE

CONCRETE

119 N. Midland Blvd. Nampa, Idaho 83651 Phone (208) 955-8126

NOTES & LEGEND FORK INDUSTRIAL F STATE HIGHWAY 55

	DESCRIPTION		
	ВУ		
REVISIONS	NO. DATE		
REVIS	NO.		

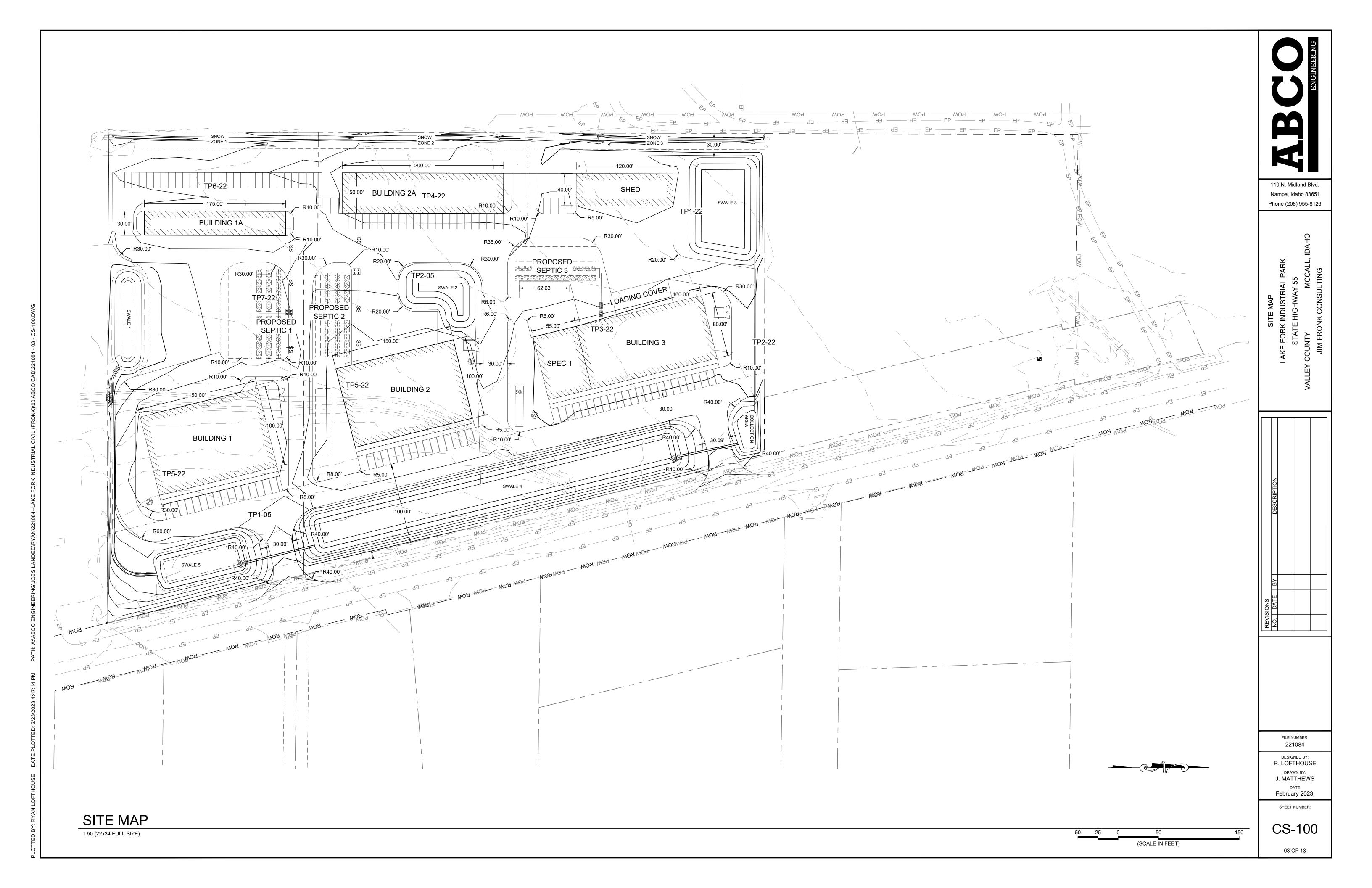
FILE NUMBER: 221084

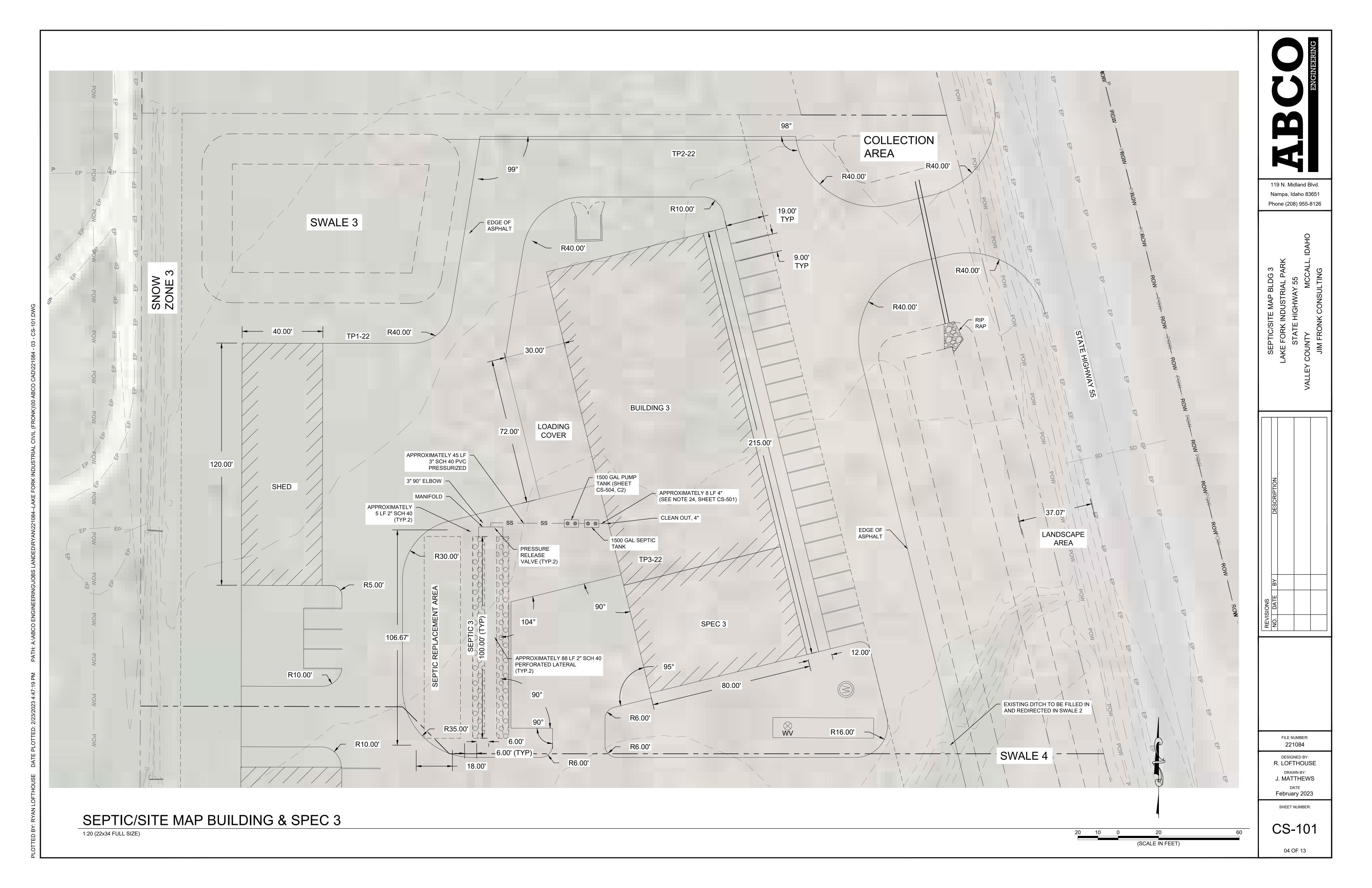
DESIGNED BY: R. LOFTHOUSE DRAWN BY: R. LOFTHOUSE DATE

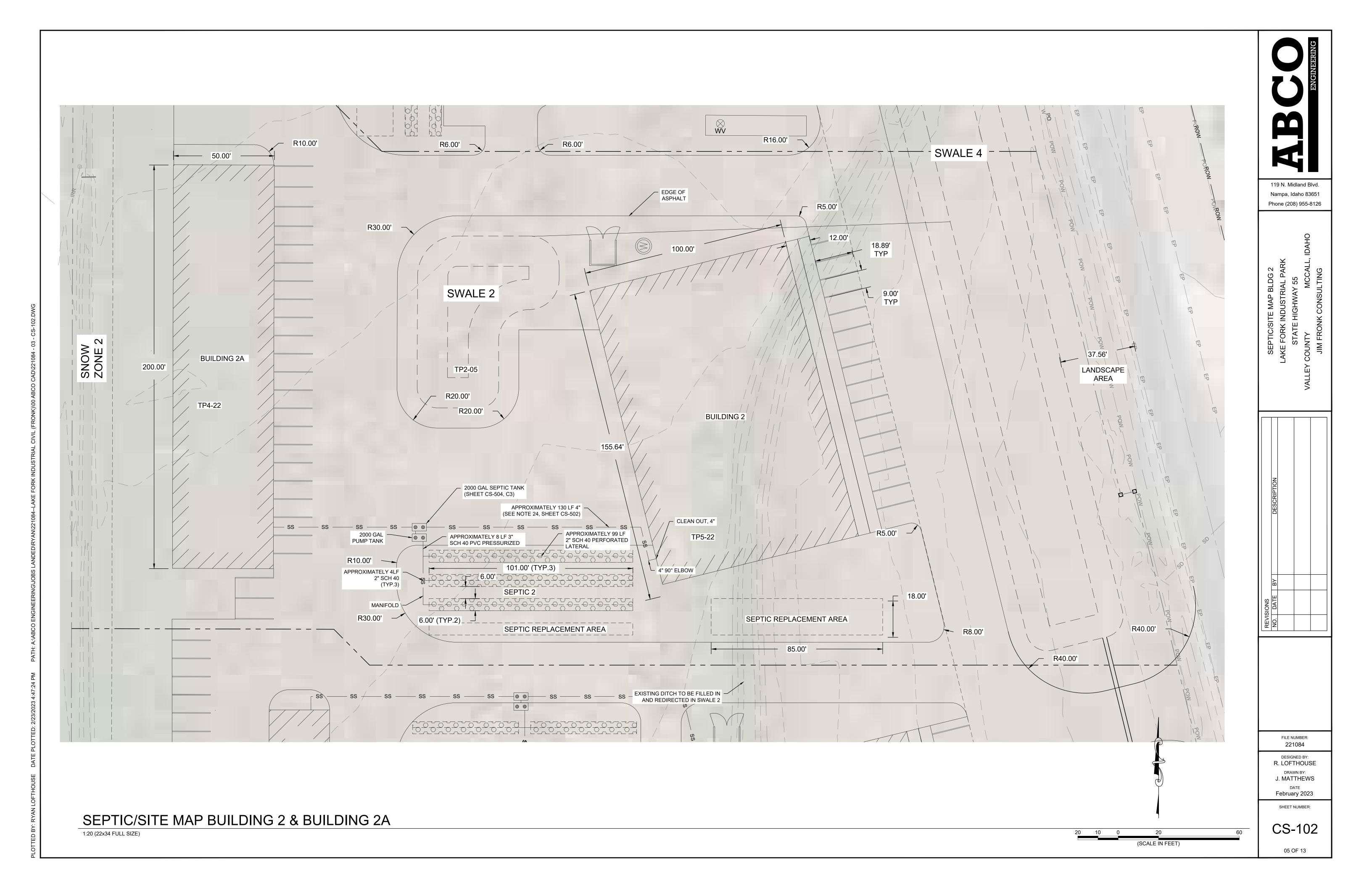
SHEET NUMBER:

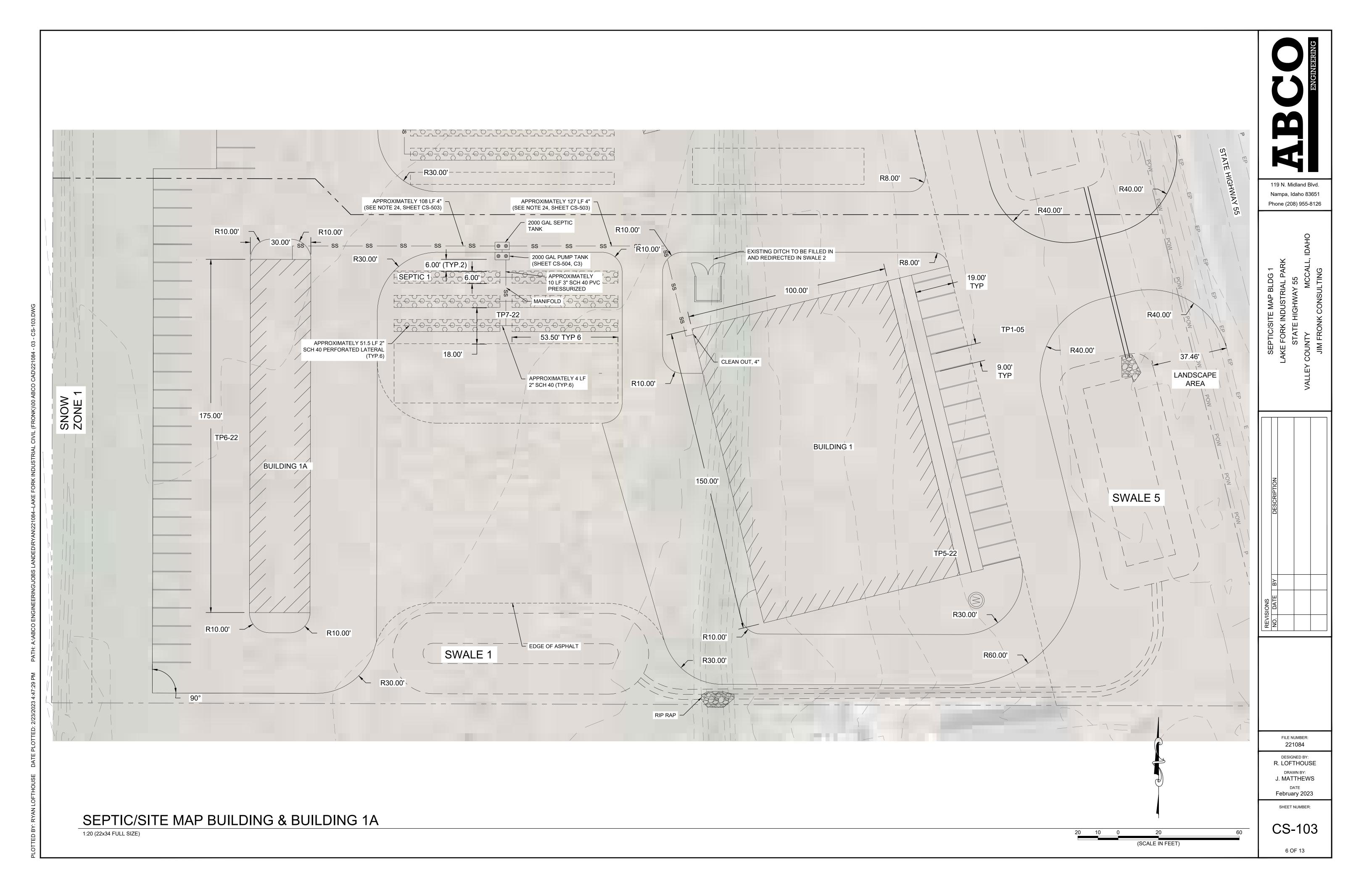
November 2022

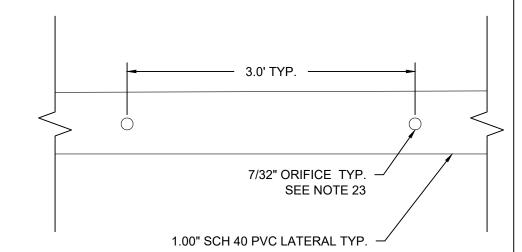
C-002







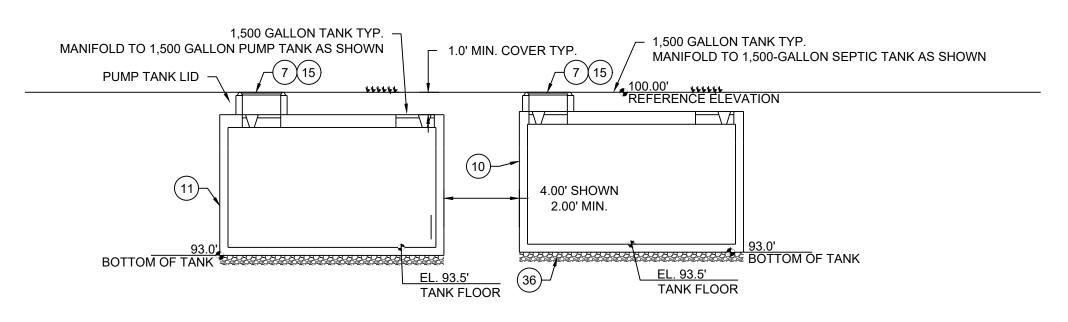




1,500 GALLON SEPTIC AND 1,500 GALLON PUMP TANK SECTION

ORIFICE PLAN DETAIL

NTS



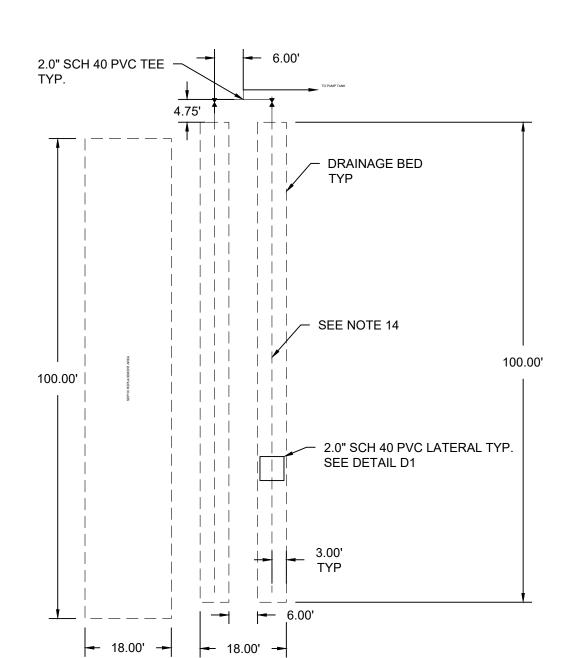
SEPTIC/PUMP TANK

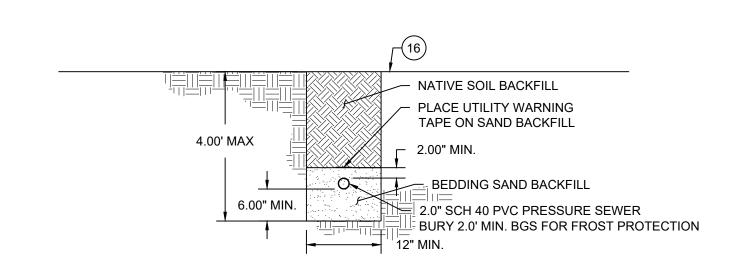
2 HOLES AT BOTTOM AND 2 HOLES AT TOP TO MANIFOLD SEPTIC TANKS TOGETHER PUMP TANK NEED NOT HAVE BOTH TOP AND BOTTOM MANIFOLDS SEE GENERAL NOTES 42 AND 43

MANIFOLDED 1,500 GALLON SEPTIC AND 1,500 GALLON PUMP TANK SECTION

MANIFOLD TANK
DETAIL

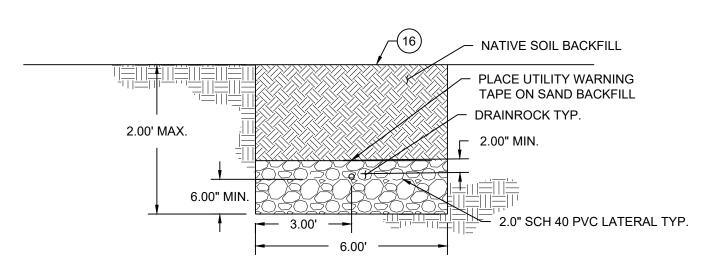
NTS





PRESSURE SEWER TRENCH SECTION

NTS



B1 DRAINFIELD PLAN DETAIL



GENERAL NOTES

- 1. 1/8" SCREEN AT SEPTIC TANK OUTLET
- 2. LOW WATER SAFETY OFF. ELEV. 95.05' AT MINIMUM LIQUID LEVEL 18.6" FROM THE TANK FLOOR
- LOW WATER TURN OFF ELEV. 96.85' AT 21.6" FROM THE TANK FLOOR, 3" ABOVE THE LOW WATER SAFETY OFF
- 4. HIGH WATER TURN ON ELEV. 97.15' AT 3.6" ABOVE LOW WATER TURN OFF
- . HIGH WATER ALARM ELEV. 97.4' AT 3" ABOVE HIGH WATER TURN ON
- 5. TANK HIGH WATER ELEV. 98.08' AT 7.8" ABOVE THE NORMAL DOSING RANGE (I.E. HIGH WATER ALARM)
- 7. PREMANUFACTURED 24" DIA CONCRETE OR PLASTIC MANHOLE WITH FLAT LID
- . RIGID CONDUIT TO CONTROL BOX, MOUNTED ON POST OR HOME
- MYERS MODEL ME100D EFFLUENT PUMP SEE ATTACHED SPECIFICATIONS OR APPROVED EQUAL.
- 1,500 GALLON NEW CASTLE PRECAST SEPTIC TANK; INSIDE DIMENSIONS: 120"(L) X 60"(W) X 82.5"(H) OR APPROVED EQUAL.
- 11. 1,500 GALLON NEW CASTLE PRECAST PUMP TANK; INSIDE DIMENSIONS: 120"(L) X 60"(W) X 82.5"(H) OR APPROVED EQUAL.
- 12. PVC UNION
- 13. EXPLOSION PROOF SPLICE BOX
- 14. LATERAL CLEAN-OUT ASSEMBLY, LONG SWEEP 90 DEGREE ELBOW OR TWO 45 DEGREE ELBOWS WITH BALL VALVE AND REMOVABLE CAP.
- 15. TANKS, RISERS, AND LIDS WILL BE PROTECTED FROM TRAFFIC DURING AND AFTER CONSTRUCTION. TANKS, RISERS, AND LIDS SHALL BE TRAFFIC RATED.
- 16. SET GROUND ELEVATION 100.00
- 17. ALL CONSTRUCTION AND MATERIALS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE STATE OF IDAHO REGULATIONS FOR INDIVIDUAL SEWAGE SYSTEMS AND THE STATE OF IDAHO TECHNICAL GUIDANCE MANUAL.
- 18. ALL TANKS AND CHAMBERS SHALL BE WATER TIGHT AND PREAPPROVED BY THE IDEQ. TWO (2) PIECE TANKS SHALL BE JOINED WITH CONSEAL CS-55 POLYMER PER MANUFACTURER SPECIFICATIONS OR AN APPROVED EQUAL.
- 19. CONSTRUCTION SHALL BE PERFORMED BY A COMPLEX INSTALLER HOLDING A CURRENT IDAHO COMPLEX INSTALLERS LICENSE.
- 20. CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE ONSITE WITH THE ENGINEER AND A REPRESENTATIVE OF SOUTHWEST DISTRICT HEALTH DEPARTMENT PRIOR TO COMMENCING CONSTRUCTION.
- 21. ALL IMPORTED MATERIALS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
- 22. ALL PRESSURE LINES INCLUDING MANIFOLD SHALL BE SCHEDULE 40 PVC (ASTM D-1785).
- 23. THE DRAINFIELD LATERALS SHALL BE 2.0 INCH DIAMETER SCHEDULE 40 PVC WITH 7/32" ORIFICES EVERY 36" O.C. REMOVE ANY BURRS FROM INSIDE OF PIPE.
- 24. ALL GRAVITY LINES SHALL BE SDR-35 (ASTM D-3034).
- 25. SWITCHES SHALL BE SET TO TURN PUMP OFF WHILE PUMP REMAINS SUBMERGED.
- 26. GROUND MUST NOT BE FROZEN OR SATURATED PRIOR TO TANK PLACEMENT. GROUNDWATER ELEVATION MAY FLUCTUATE IN RESPONSE TO IRRIGATION, LAND USE, OR OTHER FACTORS.
- 27. PRIOR TO CONSTRUCTION CLEARLY MARK THE CORNERS AND LIMITS OF THE DRAINFIELD AREA AND DO NOT ALLOW CONSTRUCTION TRAFFIC ON THE DRAINFIELD AREA.
- 28. WHEN SOIL IS DRY AND SITE VEGETATION HAS BEEN CUT OR REMOVED. THE GROUND IN THE BASAL PLACEMENT AREA OF THE DRAINFIELD SHOULD BE SCARIFIED USING A CHISEL PLOW OR BACKHOE TEETH TO A DEPTH OF 6-8 INCHES.
- 29. SAND FILL WILL BE PLACED AND SHAPED BEFORE IT FREEZES OR RAINS.
- 30. ALL EQUIPMENT EXCEPT FOR WHAT IS NEEDED FOR SURFACE PREPARATION SHALL BE KEPT OFF THE DRAINFIELD AREA DURING CONSTRUCTION. PNEUMATIC WHEELED VEHICLES ARE PROHIBITED ON EXPOSED NATIVE SOIL IN DRAINFIELD AREAS.
- 31. CONTRACTOR SHALL NOTIFY ENGINEER AT LEAST 48
 HOURS BEFORE INSPECTION OF THE FOLLOWING ITEMS
 OR SEQUENCES DURING CONSTRUCTION
- 31.1. PRE-CONSTRUCTION CONFERENCE
- 31.2. PLACEMENT OF TANKS31.3. PREPARATION OF DRAINFIELD SURFACE
- 31.4. SOURCE OF IMPORTED MATERIALS
- 31.5. BEFORE COVERING ANY PIPING
 31.6 PRESSURE TEST OF ALL PRESSURIZE

OPERATIONS

- PRESSURE TEST OF ALL PRESSURIZED PIPINGCONTROLS AND ALARM ADJUSTMENTS AND
- 31.8. IMMEDIATELY AFTER THE SYSTEM HAS BEEN COMPLETED

- 32. CONTRACTOR SHALL PROVIDE PERSONNEL AND ANY EQUIPMENT TO PERFORM ANY TESTS. SYSTEM SHALL NOT BE PERMITTED TO ACCEPT WASTE WATER UNTIL IT HAS BEEN APPROVED BY THE HEALTH DEPARTMENT AND ENGINEER.
- 33. PUMPS AND ELECTRICAL CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE DIVISION OF BUILDING SAFETY, ELECTRICAL BUREAU. ELECTRICAL WIRES SHALL BE PLACED IN WATERTIGHT RIGID CONDUIT BETWEEN THE SEPTIC TANK AND THE CONTROL BOX.
- 34. ALL CONNECTIONS BETWEEN TANKS MUST BE WATER
- 35. PIPE FROM DOSING TANK TO DRAINFIELD SHALL BE LEVEL. THE TRANSPORT PIPING AND MANIFOLDS SHALL BE BURIED A MINIMUM 2.0' BELOW FINISHED GRADE FOR
- 36. PRIOR TO PLACING TANKS, PLACE 6" THICK SAND OR PEA GRAVEL TO LEVEL TANKS.

FROST PROTECTION BETWEEN DOSING.

- 37. BACKFILL SHALL BE COMPACTED TO 90% (ASTM D698)
 AND SHALL BE APPROVED MATERIAL FROM THE
 EXCAVATIONS OR FROM APPROVED SOURCES OUTSIDE
 OF THE PROJECT SITE. NO ROCK FRAGMENTS GREATER
 THAN 2" SHALL BE PERMITTED. ALL ROCK FRAGMENTS
 SHALL BE COMPLETELY BEDDED IN SOIL MATERIAL AND
 SHALL NOT BE IN CONTACT WITH THE TANKS.
- 38. CONTRACTOR SHALL CONFIRM FLOAT, ALARM, EQUIPMENT, AND PIPE ELEVATIONS PRIOR TO INSTALLATION.
- 39. DOSING TANK PUMP SHALL HAVE A NORMAL OPERATING RANGE PER DETAIL A1 TO PUMP 58.74 GALLONS PER MINUTE (GPM) WITH AN OPERATING HEAD OF 5.37'.
- 40. 3" PVC SCH 40 BALL VALVE.
- 41. THE PUMP DISCHARGE PIPE SHALL BE CONNECTED TO THE 3" TRANSPORT LINE .
- 42. CONTRACTOR SHALL CORE A HOLE TOWARDS THE BOTTOM OF THE BAFFLE WALL TO ALLOW DUAL COMPARTMENT TANK TO ACT AS A SINGLE COMPARTMENT TANK.

FB CONFERING

119 N Midland Blvd. Nampa, Idaho 83687 Phone (208) 955-8126

DETAILS BUILDING 1

LAKE FORK INDUSTRIAL PARK

STATE HIGHWAY 55

EY COUNTY

MCCALL, IDAH

NO. DATE BY DESCRIPTION

CALL BEFORE YOU DIG!

- 1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL UTILITY COMPANIES OF THE CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MAY OCCUR BY FAILURE TO EXACTLY LOCATE AND PROTECT ALL UTILITIES.
- 2. CONTRACTOR SHALL CONTACT DIGLINE 48 HOURS PRIOR TO ANY EARTH DISTURBING ACTIVITIES ON SITE, AND REQUEST LOCATE OF UNDERGROUND UTILITIES.



*The 811 logo is a registered trademark of the CGA.

FILE NUMBER: 221084

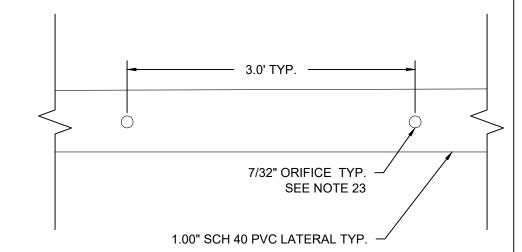
DESIGNED BY:
R. LOFTHOUSE
DRAWN BY:

J. MATTHEWS

DATE
February 2023

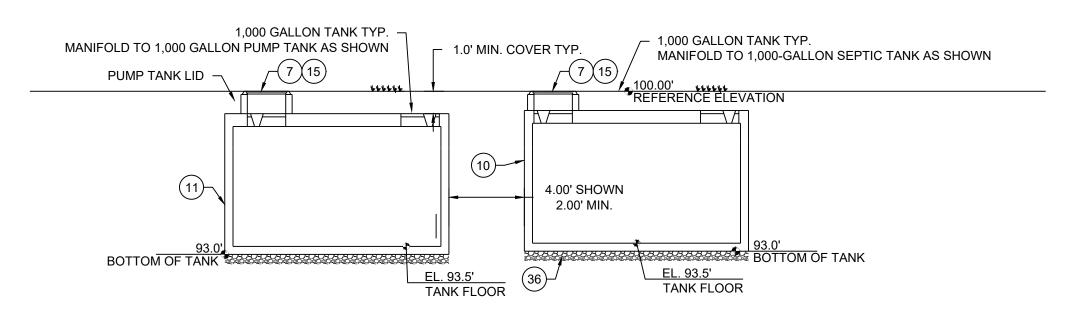
SHEET NUMBER:

CS-501



,000 GALLON SEPTIC AND 1,000 GALLON PUMP TANK SECTION

ORIFICE PLAN DETAIL

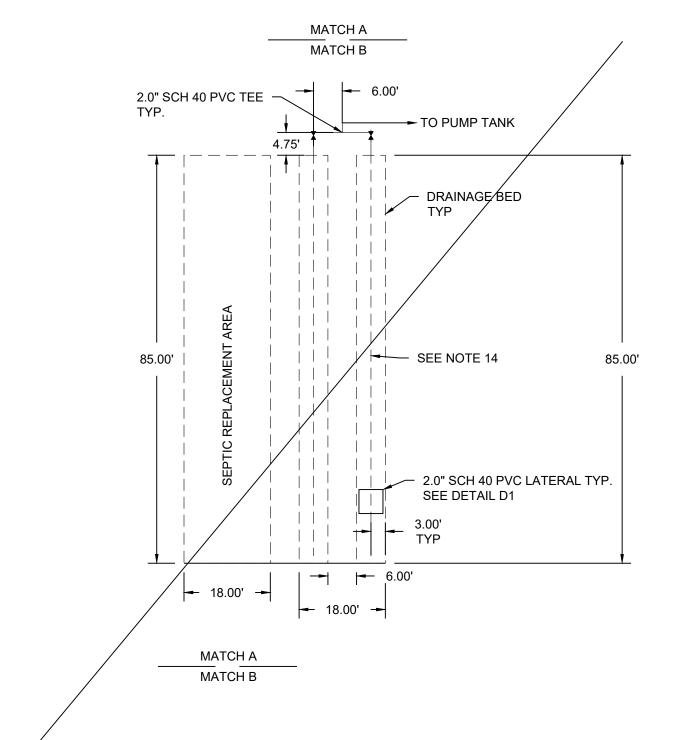


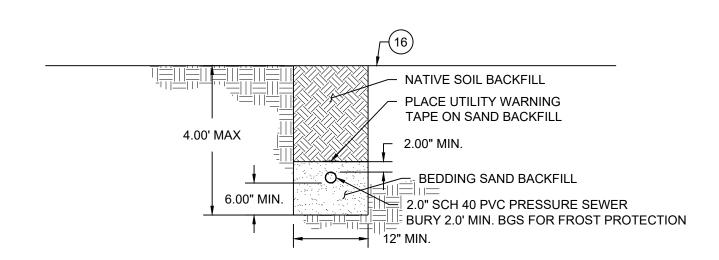
SEPTIC/PUMP SEPTIC/PUMP TANK 2 HOLES AT BOTTOM AND 2 HOLES AT TOP TO MANIFOLD SEPTIC TANKS TOGETHER PUMP TANK NEED NOT HAVE BOTH TOP AND BOTTOM MANIFOLDS

SEE GENERAL NOTES 42 AND 43

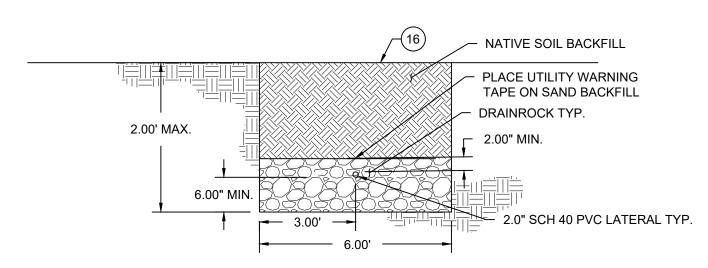
MANIFOLDED 1,000 GALLON SEPTIC AND 1,000 GALLON PUMP TANK SECTION

MANIFOLD TANK **DETAIL** A3





PRESSURE SEWER TRENCH SECTION



DRAINFIELD PLAN DETAIL **B**1



GENERAL NOTES

- 1. 1/8" SCREEN AT SEPTIC TANK OUTLET
- 2. LOW WATER SAFETY OFF. ELEV. 95.05' AT MINIMUM LIQUID LEVEL 18.6" FROM THE TANK FLOOR
- LOW WATER TURN OFF ELEV. 96.85' AT 21.6" FROM THE TANK FLOOR, 3" ABOVE THE LOW WATER SAFETY OFF
- HIGH WATER TURN ON ELEV. 97.15' AT 3.6" ABOVE LOW WATER TURN OFF
- HIGH WATER ALARM ELEV. 97.4' AT 3" ABOVE HIGH WATER TURN ON
- TANK HIGH WATER ELEV. 98.08' AT 21.8" ABOVE THE NORMAL DOSING RANGE (I.E. HIGH WATER ALARM)
- 7. PREMANUFACTURED 24" DIA CONCRETE OR PLASTIC MANHOLE WITH FLAT LID
- RIGID CONDUIT TO CONTROL BOX, MOUNTED ON POST OR HOME
- MYERS MODEL ME100D EFFLUENT PUMP SEE ATTACHED SPECIFICATIONS OR APPROVED EQUAL.
- 10. 1,500 GALLON NEW CASTLE PRECAST SEPTIC TANK; INSIDE DIMENSIONS: 120"(L) X 60"(W) X 82.5"(H) OR APPROVED EQUAL.
- 11. 1,500 GALLON NEW CASTLE PRECAST PUMP TANK; INSIDE DIMENSIONS: 120"(L) X 60"(W) X 82.5"(H) OR APPROVED EQUAL.
- PVC UNION
- 13. EXPLOSION PROOF SPLICE BOX
- 14. LATERAL CLEAN-OUT ASSEMBLY, LONG SWEEP 90 DEGREE ELBOW OR TWO 45 DEGREE ELBOWS WITH BALL VALVE AND REMOVABLE CAP.
- 15. TANKS, RISERS, AND LIDS WILL BE PROTECTED FROM TRAFFIC DURING AND AFTER CONSTRUCTION. TANKS, RISERS, AND LIDS SHALL BE TRAFFIC RATED.
- 16. SET GROUND ELEVATION 100.00
- 17. ALL CONSTRUCTION AND MATERIALS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE STATE OF IDAHO REGULATIONS FOR INDIVIDUAL SEWAGE SYSTEMS AND THE STATE OF IDAHO TECHNICAL GUIDANCE MANUAL.
- ALL TANKS AND CHAMBERS SHALL BE WATER TIGHT AND PREAPPROVED BY THE IDEQ. TWO (2) PIECE TANKS SHALL BE JOINED WITH CONSEAL CS-55 POLYMER PER MANUFACTURER SPECIFICATIONS OR AN APPROVED EQUAL.
- CONSTRUCTION SHALL BE PERFORMED BY A COMPLEX INSTALLER HOLDING A CURRENT IDAHO COMPLEX INSTALLERS LICENSE.
- 20. CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE ONSITE WITH THE ENGINEER AND A REPRESENTATIVE OF SOUTHWEST DISTRICT HEALTH DEPARTMENT PRIOR TO COMMENCING CONSTRUCTION.
- 21. ALL IMPORTED MATERIALS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
- 22. ALL PRESSURE LINES INCLUDING MANIFOLD SHALL BE SCHEDULE 40 PVC (ASTM D-1785).
- 23. THE DRAINFIELD LATERALS SHALL BE 2.0 INCH DIAMETER SCHEDULE 40 PVC WITH 7/32" ORIFICES EVERY 36" O.C. REMOVE ANY BURRS FROM INSIDE OF
- 24. ALL GRAVITY LINES SHALL BE SDR-35 (ASTM D-3034).
- 25. SWITCHES SHALL BE SET TO TURN PUMP OFF WHILE PUMP REMAINS SUBMERGED.
- 26. GROUND MUST NOT BE FROZEN OR SATURATED PRIOR TO TANK PLACEMENT. GROUNDWATER ELEVATION MAY FLUCTUATE IN RESPONSE TO IRRIGATION, LAND USE, OR OTHER FACTORS.
- 27. PRIOR TO CONSTRUCTION CLEARLY MARK THE CORNERS AND LIMITS OF THE DRAINFIELD AREA AND DO NOT ALLOW CONSTRUCTION TRAFFIC ON THE DRAINFIELD AREA.
- 28. WHEN SOIL IS DRY AND SITE VEGETATION HAS BEEN CUT OR REMOVED. THE GROUND IN THE BASAL PLACEMENT AREA OF THE DRAINFIELD SHOULD BE SCARIFIED USING A CHISEL PLOW OR BACKHOE TEETH TO A DEPTH OF 6-8 INCHES.
- 29. SAND FILL WILL BE PLACED AND SHAPED BEFORE IT FREEZES OR RAINS.
- 30. ALL EQUIPMENT EXCEPT FOR WHAT IS NEEDED FOR SURFACE PREPARATION SHALL BE KEPT OFF THE DRAINFIELD AREA DURING CONSTRUCTION. PNEUMATIC WHEELED VEHICLES ARE PROHIBITED ON EXPOSED NATIVE SOIL IN DRAINFIELD AREAS.
- 31. CONTRACTOR SHALL NOTIFY ENGINEER AT LEAST 48 HOURS BEFORE INSPECTION OF THE FOLLOWING ITEMS OR SEQUENCES DURING CONSTRUCTION
- 31.1. PRE-CONSTRUCTION CONFERENCE
- PLACEMENT OF TANKS

OPERATIONS

- PREPARATION OF DRAINFIELD SURFACE SOURCE OF IMPORTED MATERIALS
- BEFORE COVERING ANY PIPING
- PRESSURE TEST OF ALL PRESSURIZED PIPING CONTROLS AND ALARM ADJUSTMENTS AND
- IMMEDIATELY AFTER THE SYSTEM HAS BEEN COMPLETED

- CONTRACTOR SHALL PROVIDE PERSONNEL AND ANY EQUIPMENT TO PERFORM ANY TESTS. SYSTEM SHALL NOT BE PERMITTED TO ACCEPT WASTE WATER UNTIL IT HAS BEEN APPROVED BY THE HEALTH DEPARTMENT AND ENGINEER.
- 33. PUMPS AND ELECTRICAL CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE DIVISION OF BUILDING SAFETY, ELECTRICAL BUREAU, ELECTRICAL WIRES SHALL BE PLACED IN WATERTIGHT RIGID CONDUIT BETWEEN THE SEPTIC TANK AND THE CONTROL BOX.
- 34. ALL CONNECTIONS BETWEEN TANKS MUST BE WATER
- 35. PIPE FROM DOSING TANK TO DRAINFIELD SHALL BE LEVEL. THE TRANSPORT PIPING AND MANIFOLDS SHALL BE BURIED A MINIMUM 2.0' BELOW FINISHED GRADE FOR FROST PROTECTION BETWEEN DOSING.
- 36. PRIOR TO PLACING TANKS, PLACE 6" THICK SAND OR PEA GRAVEL TO LEVEL TANKS.
- 37. BACKFILL SHALL BE COMPACTED TO 90% (ASTM D698) AND SHALL BE APPROVED MATERIAL FROM THE **EXCAVATIONS OR FROM APPROVED SOURCES OUTSIDE** OF THE PROJECT SITE. NO ROCK FRAGMENTS GREATER THAN 2" SHALL BE PERMITTED. ALL ROCK FRAGMENTS SHALL BE COMPLETELY BEDDED IN SOIL MATERIAL AND SHALL NOT BE IN CONTACT WITH THE TANKS.
- 38. CONTRACTOR SHALL CONFIRM FLOAT, ALARM, EQUIPMENT, AND PIPE ELEVATIONS PRIOR TO INSTALLATION.
- 39. DOSING TANK PUMP SHALL HAVE A NORMAL OPERATING RANGE PER DETAIL A1 TO PUMP 54.62 GALLONS PER MINUTE (GPM) WITH AN OPERATING HEAD OF 4.17'.
- 40. 3" PVC SCH 40 BALL VALVE.
- 41. THE PUMP DISCHARGE PIPE SHALL BE CONNECTED TO THE 3" TRANSPORT LINE.
- 42. CONTRACTOR SHALL CORE A HOLE TOWARDS THE BOTTOM OF THE BAFFLE WALL TO ALLOW DUAL COMPARTMENT TANK TO ACT AS A SINGLE COMPARTMENT TANK.

119 N Midland Blvd. Nampa, Idaho 83687 Phone (208) 955-8126

S BUILE INDUST

CALL BEFORE YOU DIG!

- 1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL UTILITY COMPANIES OF THE CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MAY OCCUR BY FAILURE TO EXACTLY LOCATE AND PROTECT ALL UTILITIES.
- CONTRACTOR SHALL CONTACT DIGLINE 48 HOURS PRIOR TO ANY EARTH DISTURBING ACTIVITIES ON SITE, AND REQUEST LOCATE OF UNDERGROUND UTILITIES.



*The 811 logo is a registered trademark of the CGA.

FILE NUMBER: 221084

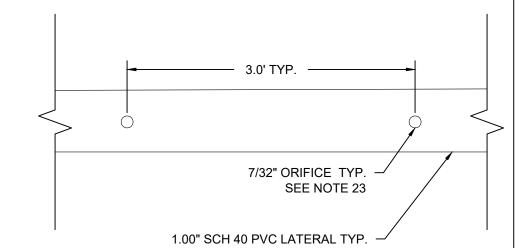
DESIGNED BY: R. LOFTHOUSE

DRAWN BY: J. MATTHEWS DATE

SHEET NUMBER:

December 2022

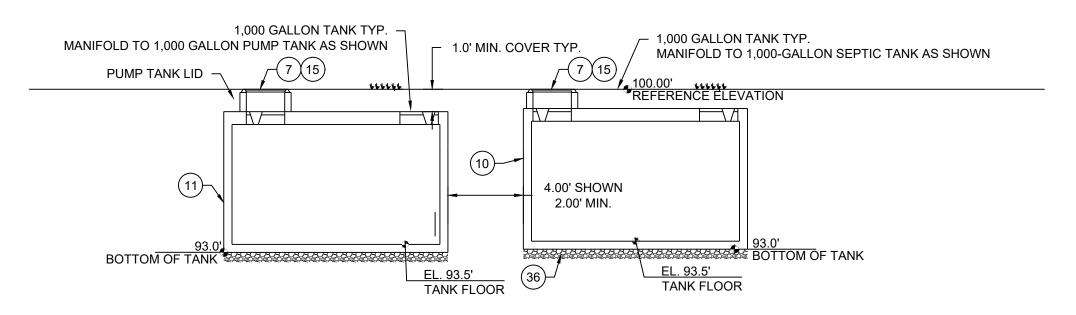
CS-502



1,000 GALLON SEPTIC AND 1,000 GALLON PUMP TANK SECTION

ORIFICE PLAN DETAIL

NTS



SEPTIC/PUMP TANK

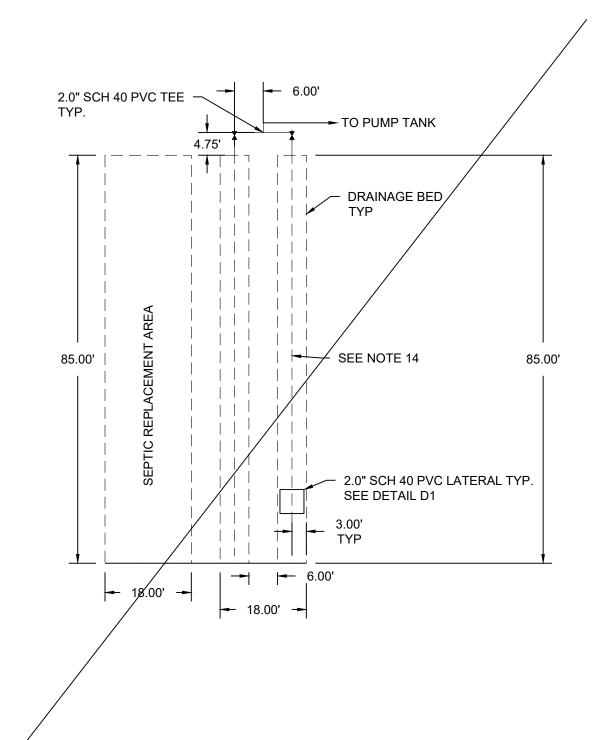
2 HOLES AT BOTTOM AND 2 HOLES AT TOP TO MANIFOLD SEPTIC TANKS TOGETHER PUMP TANK NEED NOT HAVE BOTH TOP AND BOTTOM MANIFOLDS

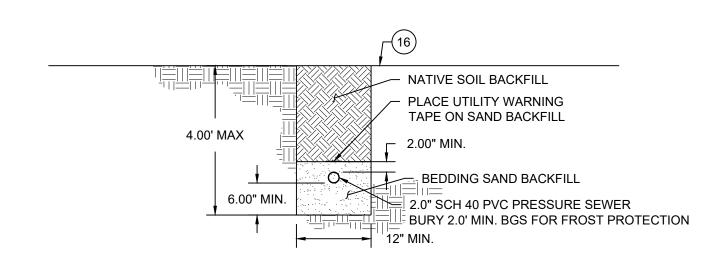
SEE GENERAL NOTES 42 AND 43

MANIFOLDED 1,000 GALLON SEPTIC AND 1,000 GALLON PUMP TANK SECTION

MANIFOLD TANK
DETAIL

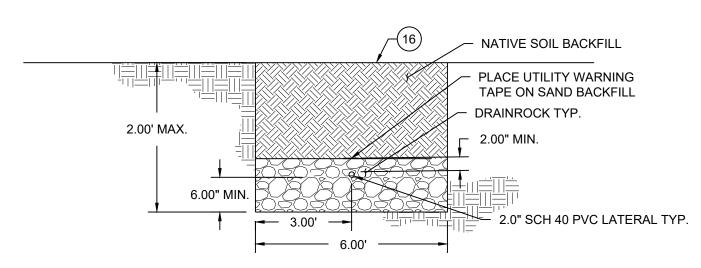
NTS





PRESSURE SEWER TRENCH SECTION

NTS



B1 DRAINFIELD PLAN DETAIL



GENERAL NOTES

1. 1/8" SCREEN AT SEPTIC TANK OUTLET

WATER TURN OFF

- 2. LOW WATER SAFETY OFF. ELEV. 95.05' AT MINIMUM LIQUID LEVEL 18.6" FROM THE TANK FLOOR
- LOW WATER TURN OFF ELEV. 96.85' AT 21.6" FROM THE TANK FLOOR, 3" ABOVE THE LOW WATER SAFETY OFF
- 4. HIGH WATER TURN ON ELEV. 97.15' AT 3.6" ABOVE LOW
- 5. HIGH WATER ALARM ELEV. 97.4' AT 3" ABOVE HIGH WATER TURN ON
- 6. TANK HIGH WATER ELEV. 98.08' AT 21.8" ABOVE THE NORMAL DOSING RANGE (I.E. HIGH WATER ALARM)
- 7. PREMANUFACTURED 24" DIA CONCRETE OR PLASTIC MANHOLE WITH FLAT LID
- 3. RIGID CONDUIT TO CONTROL BOX, MOUNTED ON POST OR HOME
- MYERS MODEL ME100D EFFLUENT PUMP SEE ATTACHED SPECIFICATIONS OR APPROVED EQUAL.
- 10. 1,500 GALLON NEW CASTLE PRECAST SEPTIC TANK; INSIDE DIMENSIONS: 120"(L) X 60"(W) X 82.5"(H) OR APPROVED EQUAL.
- 11. 1,500 GALLON NEW CASTLE PRECAST PUMP TANK; INSIDE DIMENSIONS: 120"(L) X 60"(W) X 82.5"(H) OR APPROVED EQUAL.
- 12. PVC UNION
- 13. EXPLOSION PROOF SPLICE BOX
- 14. LATERAL CLEAN-OUT ASSEMBLY, LONG SWEEP 90 DEGREE ELBOW OR TWO 45 DEGREE ELBOWS WITH BALL VALVE AND REMOVABLE CAP.
- 15. TANKS, RISERS, AND LIDS WILL BE PROTECTED FROM TRAFFIC DURING AND AFTER CONSTRUCTION. TANKS, RISERS, AND LIDS SHALL BE TRAFFIC RATED.
- 16. SET GROUND ELEVATION 100.00
- 17. ALL CONSTRUCTION AND MATERIALS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE STATE OF IDAHO REGULATIONS FOR INDIVIDUAL SEWAGE SYSTEMS AND THE STATE OF IDAHO TECHNICAL GUIDANCE MANUAL.
- 18. ALL TANKS AND CHAMBERS SHALL BE WATER TIGHT AND PREAPPROVED BY THE IDEQ. TWO (2) PIECE TANKS SHALL BE JOINED WITH CONSEAL CS-55 POLYMER PER MANUFACTURER SPECIFICATIONS OR AN APPROVED EQUAL.
- 19. CONSTRUCTION SHALL BE PERFORMED BY A COMPLEX INSTALLER HOLDING A CURRENT IDAHO COMPLEX INSTALLERS LICENSE.
- 20. CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE ONSITE WITH THE ENGINEER AND A REPRESENTATIVE OF SOUTHWEST DISTRICT HEALTH DEPARTMENT PRIOR TO COMMENCING CONSTRUCTION.
- 21. ALL IMPORTED MATERIALS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
- 22. ALL PRESSURE LINES INCLUDING MANIFOLD SHALL BE SCHEDULE 40 PVC (ASTM D-1785).
- 23. THE DRAINFIELD LATERALS SHALL BE 2.0 INCH DIAMETER SCHEDULE 40 PVC WITH 7/32" ORIFICES EVERY 36" O.C. REMOVE ANY BURRS FROM INSIDE OF PIPE.
- 24. ALL GRAVITY LINES SHALL BE SDR-35 (ASTM D-3034).
- 25. SWITCHES SHALL BE SET TO TURN PUMP OFF WHILE PUMP REMAINS SUBMERGED.
- 26. GROUND MUST NOT BE FROZEN OR SATURATED PRIOR TO TANK PLACEMENT. GROUNDWATER ELEVATION MAY FLUCTUATE IN RESPONSE TO IRRIGATION, LAND USE, OR OTHER FACTORS.
- 27. PRIOR TO CONSTRUCTION CLEARLY MARK THE CORNERS AND LIMITS OF THE DRAINFIELD AREA AND DO NOT ALLOW CONSTRUCTION TRAFFIC ON THE DRAINFIELD AREA.
- 28. WHEN SOIL IS DRY AND SITE VEGETATION HAS BEEN CUT OR REMOVED. THE GROUND IN THE BASAL PLACEMENT AREA OF THE DRAINFIELD SHOULD BE SCARIFIED USING A CHISEL PLOW OR BACKHOE TEETH TO A DEPTH OF 6-8 INCHES.
- 29. SAND FILL WILL BE PLACED AND SHAPED BEFORE IT FREEZES OR RAINS.
- 30. ALL EQUIPMENT EXCEPT FOR WHAT IS NEEDED FOR SURFACE PREPARATION SHALL BE KEPT OFF THE DRAINFIELD AREA DURING CONSTRUCTION. PNEUMATIC WHEELED VEHICLES ARE PROHIBITED ON EXPOSED NATIVE SOIL IN DRAINFIELD AREAS.
- 31. CONTRACTOR SHALL NOTIFY ENGINEER AT LEAST 48
 HOURS BEFORE INSPECTION OF THE FOLLOWING ITEMS
 OR SEQUENCES DURING CONSTRUCTION
- 31.1. PRE-CONSTRUCTION CONFERENCE
- 31.2. PLACEMENT OF TANKS
- 31.3. PREPARATION OF DRAINFIELD SURFACE31.4. SOURCE OF IMPORTED MATERIALS
- 11.5. BEFORE COVERING ANY PIPING
- 1.6. PRESSURE TEST OF ALL PRESSURIZED PIPING
- CONTROLS AND ALARM ADJUSTMENTS AND OPERATIONS
- 1.8. IMMEDIATELY AFTER THE SYSTEM HAS BEEN COMPLETED

- 32. CONTRACTOR SHALL PROVIDE PERSONNEL AND ANY EQUIPMENT TO PERFORM ANY TESTS. SYSTEM SHALL NOT BE PERMITTED TO ACCEPT WASTE WATER UNTIL IT HAS BEEN APPROVED BY THE HEALTH DEPARTMENT AND ENGINEER.
- 33. PUMPS AND ELECTRICAL CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE DIVISION OF BUILDING SAFETY, ELECTRICAL BUREAU. ELECTRICAL WIRES SHALL BE PLACED IN WATERTIGHT RIGID CONDUIT BETWEEN THE SEPTIC TANK AND THE CONTROL BOX.
- 34. ALL CONNECTIONS BETWEEN TANKS MUST BE WATER
- 35. PIPE FROM DOSING TANK TO DRAINFIELD SHALL BE LEVEL. THE TRANSPORT PIPING AND MANIFOLDS SHALL BE BURIED A MINIMUM 2.0' BELOW FINISHED GRADE FOR FROST PROTECTION BETWEEN DOSING.
- 36. PRIOR TO PLACING TANKS, PLACE 6" THICK SAND OR PEA GRAVEL TO LEVEL TANKS.
- 37. BACKFILL SHALL BE COMPACTED TO 90% (ASTM D698)
 AND SHALL BE APPROVED MATERIAL FROM THE
 EXCAVATIONS OR FROM APPROVED SOURCES OUTSIDE
 OF THE PROJECT SITE. NO ROCK FRAGMENTS GREATER
 THAN 2" SHALL BE PERMITTED. ALL ROCK FRAGMENTS
 SHALL BE COMPLETELY BEDDED IN SOIL MATERIAL AND
 SHALL NOT BE IN CONTACT WITH THE TANKS.
- 38. CONTRACTOR SHALL CONFIRM FLOAT, ALARM, EQUIPMENT, AND PIPE ELEVATIONS PRIOR TO INSTALLATION.
- 39. DOSING TANK PUMP SHALL HAVE A NORMAL OPERATING RANGE PER DETAIL A1 TO PUMP 54.62 GALLONS PER MINUTE (GPM) WITH AN OPERATING HEAD OF 4.17'.
- 40. 3" PVC SCH 40 BALL VALVE.
- 41. THE PUMP DISCHARGE PIPE SHALL BE CONNECTED TO THE 3" TRANSPORT LINE .
- 42. CONTRACTOR SHALL CORE A HOLE TOWARDS THE BOTTOM OF THE BAFFLE WALL TO ALLOW DUAL COMPARTMENT TANK TO ACT AS A SINGLE COMPARTMENT TANK.

FB CONFERING

119 N Midland Blvd. Nampa, Idaho 83687 Phone (208) 955-8126

DETAILS BUILDING 3

LAKE FORK INDUSTRIAL PARK

STATE HIGHWAY 55

COUNTY MCCALL, IDAH

"MA FROM CONTONIN TIME

REVISIONS NO. DATE BY DESCRIPTION

CALL BEFORE YOU DIG!

- 1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL UTILITY COMPANIES OF THE CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MAY OCCUR BY FAILURE TO EXACTLY LOCATE AND PROTECT ALL UTILITIES.
- CONTRACTOR SHALL CONTACT DIGLINE 48 HOURS PRIOR TO ANY EARTH DISTURBING ACTIVITIES ON SITE, AND REQUEST LOCATE OF UNDERGROUND UTILITIES.



*The 811 logo is a registered trademark of the CGA.

FILE NUMBER: 221084

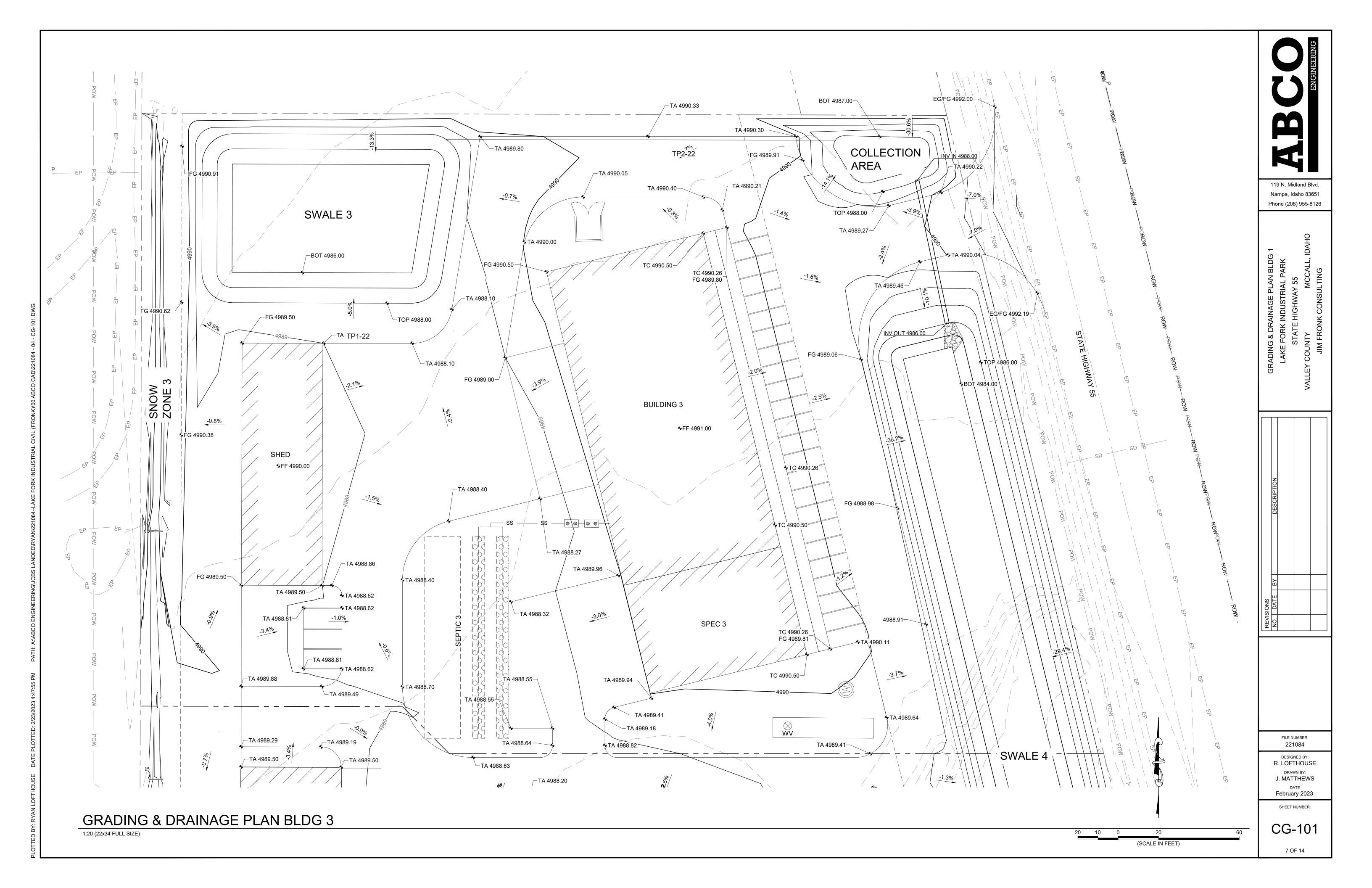
DESIGNED BY:
R. LOFTHOUSE

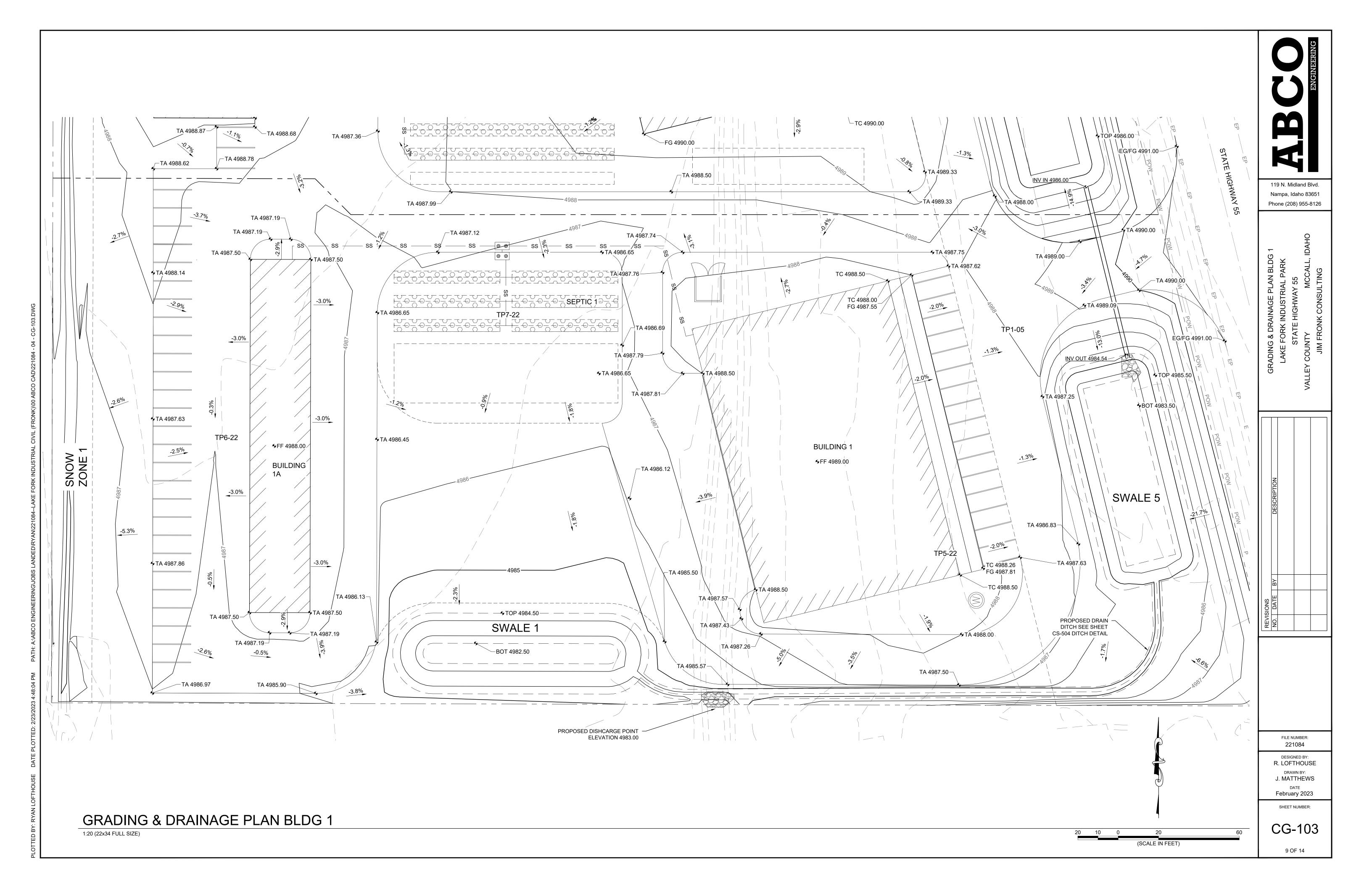
DRAWN BY:
J. MATTHEWS
DATE

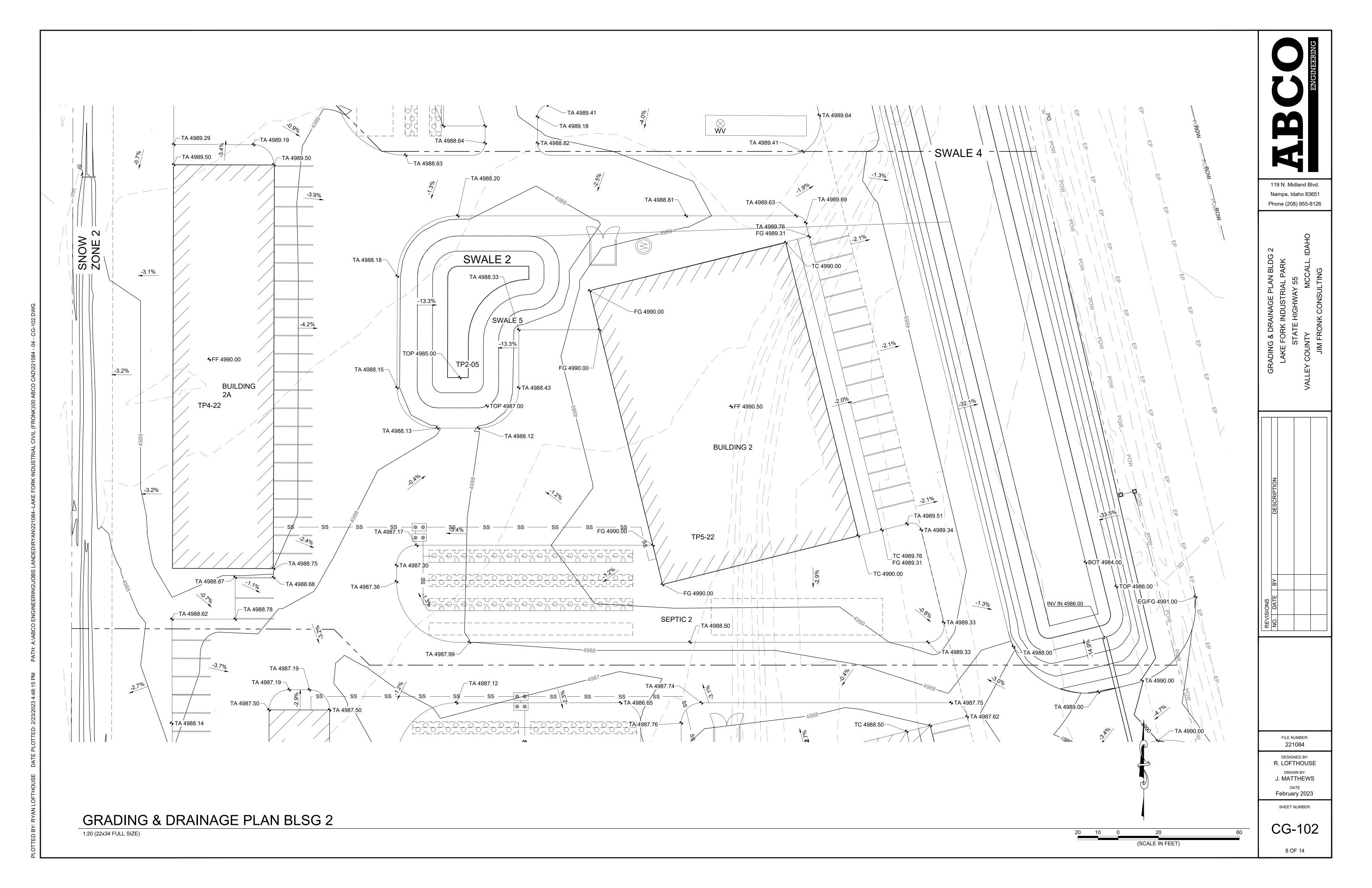
SHEET NUMBER:

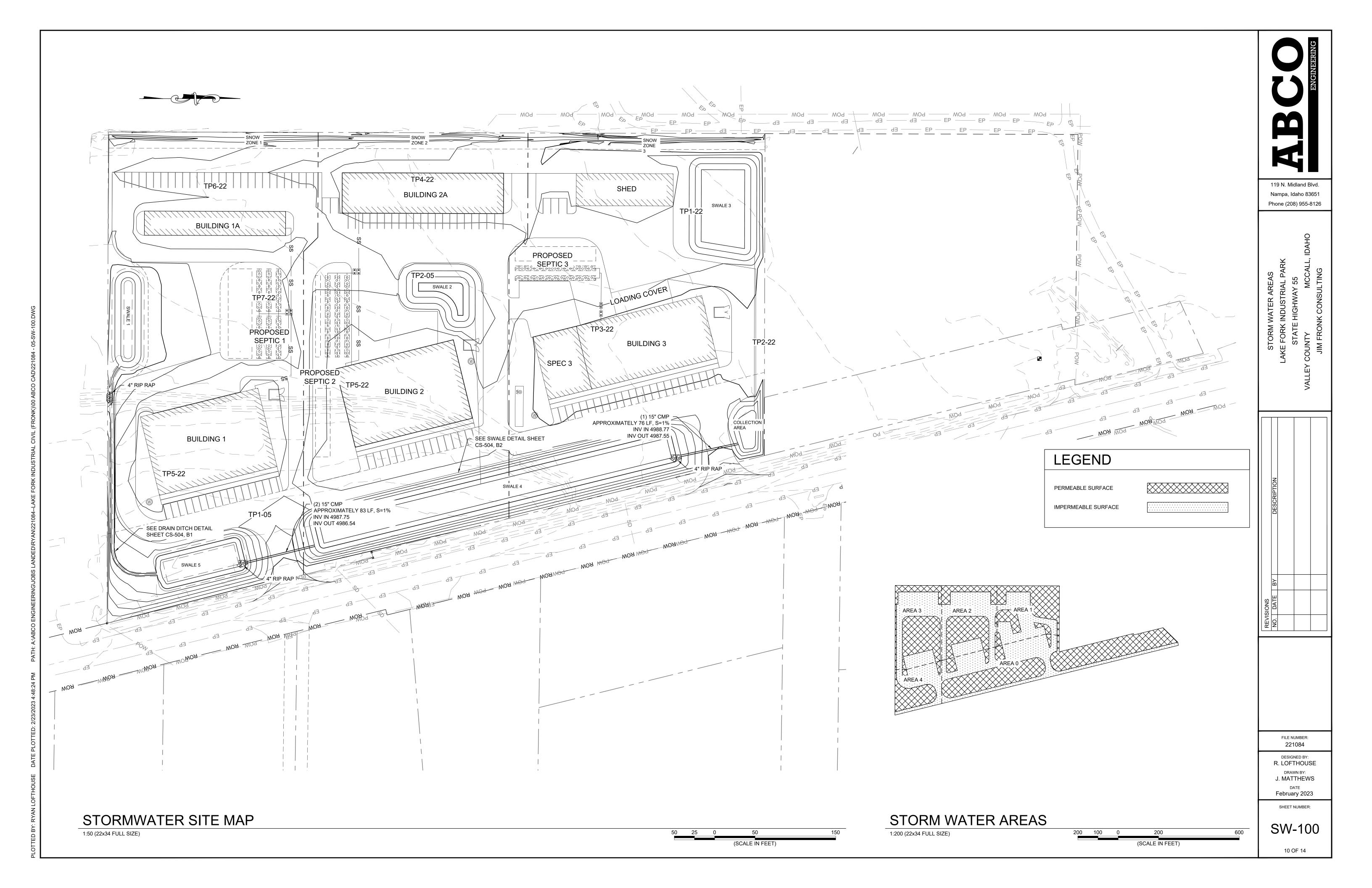
December 2022

CS-503

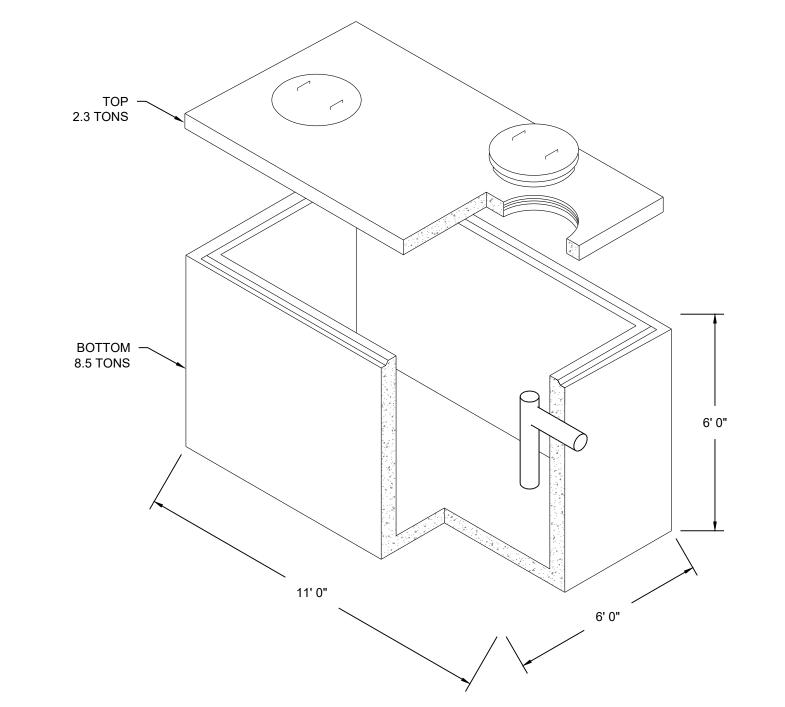








NOTE: DIMENSIONS VERY BETWEEN MANUFACTURERS.



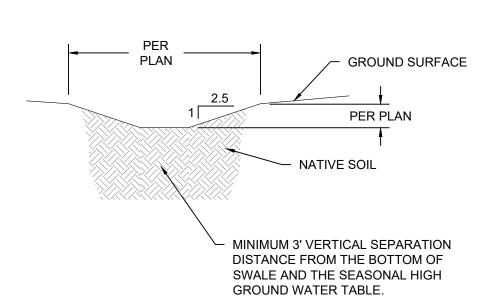
SURFACE MATCH SWALE SURFACE FINISHED GROUND -- DRAIN PIPE PER PLAN RIP RAP D50 4 INCHES -NOTE INSTALL AREA ON PLANS PLAN VIEW

CULVERT OUTLET

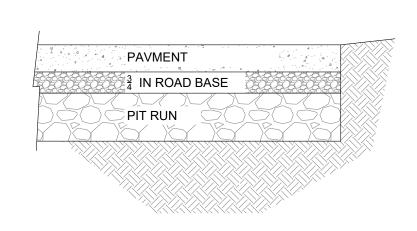
GROUND SURFACE NATIVE SOIL

B1 DITCH DETAIL

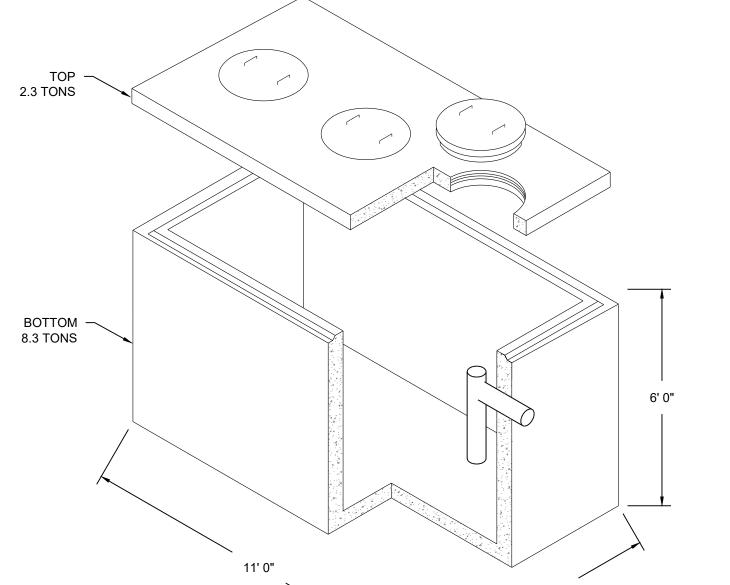
C1 1500 GAL SEPTIC TANK



B2 SWALE DETAIL AREA 2

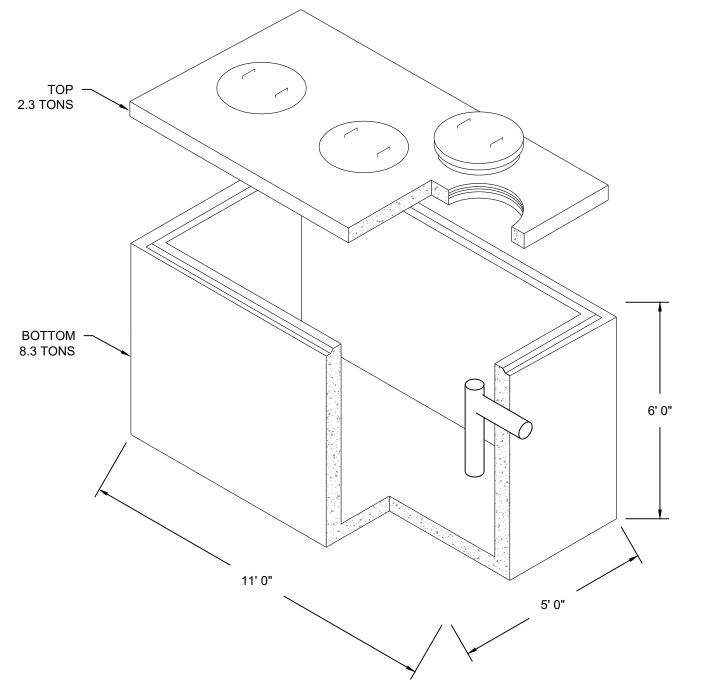


1. COMPACT SUBGRADE SOIL ACCORDING TO ISPWC SPECIFICATIONS PRIOR TO PLACING BASE LAYERS 2. COMPACT BASE LAYERS ACCORDING TO ISPWC SPECIFICATIONS



C2 1000 GAL SEPTIC TANK

NOTE: DIMENSIONS VERY BETWEEN MANUFACTURERS.



C3 2000 GAL SEPTIC TANK

2 CONCRETE LIDS -

TANK TOP -

TANK BOTTOM

∠ DRAIN PIPE PER PLAN - INSTALL ROCK BELOW OPENING, DO NOT BLOCK OUTLET **SECTION VIEW**

NOTE: DIMENSIONS VERY BETWEEN MANUFACTURERS.

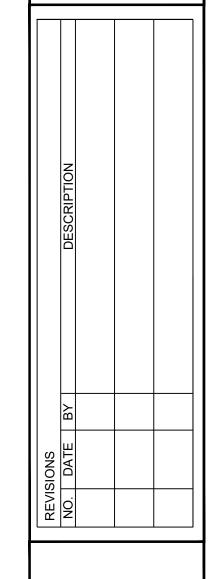
LIFTING INSERTS

OUTLETBAFFLE

4' 1 1/2"

119 N Midland Blvd Nampa, Idaho 83651 Phone (208) 955-8126

CIVIL DETAILS LAKE FORK INDUSTRIAL PARK STATE HIGHWAY 55



FILE NUMBER: 220149

DESIGNED BY: R. LOFTHOUSE R. LOFTHOUSE

DATE February 2023

SHEET NUMBER:

B3 PAVEMENT

CS-504