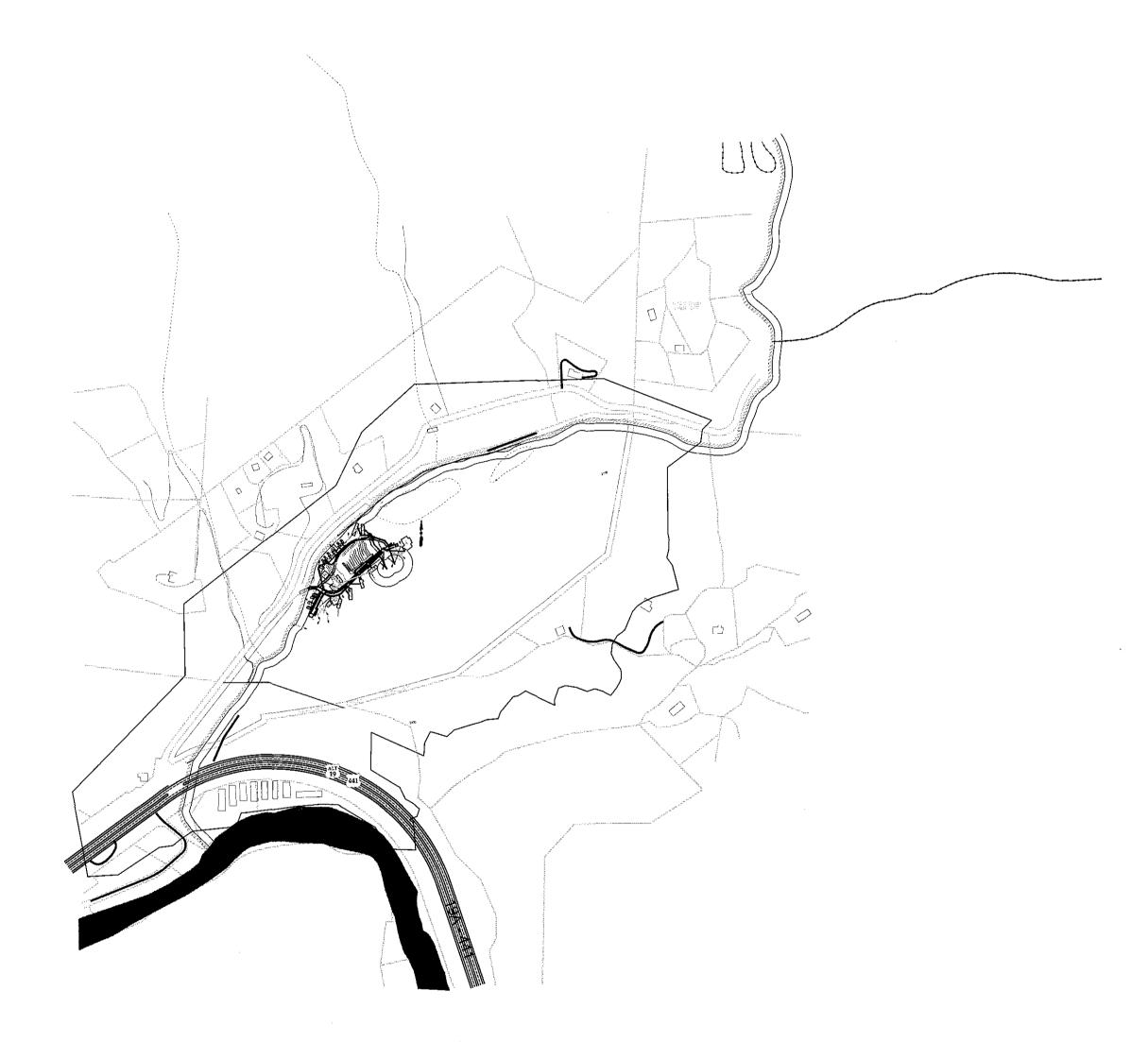
DICK'S CREEK CAMPGROUND ONSITE WASTEWATER SYSTEM

JACKSON COUNTY, NORTH CAROLINA



OWNER

WASTEWATER ENGINEER,

& TOPO SURVEY

AMICON DEVELOPMENT ROSS ADICKMAN 2400 NE 2ND AVENUE, STUDIO B

MIAMI, FL 33137

BROOKS ENGINEERING ASSOCIATES, PA MARK C. BROOKS, PE PAUL E. SEXTON, PLS 17 ARLINGTON STREET ASHEVILLE, NC 28801 PH (828) 232-4700 FAX (828) 232-1331

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NU-4

TITLECOVER SHEET SITE MAP DRAINFIELD LAYOUT SYSTEM DETAILS DRAINFIELD DETAILS

GENERAL CONTRACTOR NOTES

- A. CONTRACTOR SHALL COORDINATE WITH THE PROPER UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO COMMENCEMENT OF WORK, FOR GRADING AND UTILITY INSTALLATION.
- B. DIMENSIONS TO, OR COORDINATES OF MANHOLES, VALVES, PIPELINES, ETC., ARE TO CENTERLINE, AND/ OR INVERTS, UNLESS OTHERWISE
- C. THE CONTRACTOR SHALL OBTAIN AND PAY FOR, PRIOR TO THE BEGINNING OF ANY WORK, ALL PERMITS AND LICENSES NECESSARY TO ACCOMPLISH THE WORK, PERMITS CAN INCLUDE, BUT ARE NOT LIMITED TO NCDOT ENCROACHMENT PERMIT, GRADING PERMIT, AND UTILITY COMPANY'S PERMIT FOR THE WORK TO BE PERFORMED ON THEIR RESPECTIVE FACILITIES.
- D. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THE JOB SITE AND LOCATION OF ALL EXISTING FACILITIES AND UNDERGROUND UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR WILL BE UNILATERALLY RESPONSIBLE FOR ANY DAMAGE DONE TO EXISTING FACILITIES AND UNDERGROUND UTILITIES THAT ARE SHOWN OR NOT SHOWN ON THESE PLANS; AND IF DAMAGED, SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT NO COST TO THE OWNER.
- E. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS BEFORE SUBMITTING HIS BID.
- F. THE CONTRACTOR SHALL RE-SET ALL MANHOLE COVERS, CATCH BASIN GRATES AND ANY OTHER UTILITY ACCESS COVERS TO FINISH PAVEMENT SURFACE OR SIDEWALK GRADE.
- G. PROTECT UNDERGROUND UTILITIES AND THEIR APPURTENANCES TO REMAIN ON SITE FROM DAMAGE DURING CONSTRUCTION OPERATIONS. PROVIDE SHORING AND OTHER METHODS OF PROTECTIONS AS NEEDED TO ENSURE THE CONDITION AND OPERATION OF THOSE UTILITIES TO REMAIN, CONTRACTOR SHALL CONFIRM AS ENCOUNTERED AND COORDINATE AS NECESSARY.
- H. ALL SYSTEM COMPONENT LOCATIONS SHALL BE STAKED BY A LICENSED SURVEYING COMPANY PRIOR TO INSTALLATION. CONTRACTOR(S) SHALL BE RESPONSIBLE FOR ADEQUATE SUPERVISION TO PREVENT DAMAGE AND MOVEMENT FROM EQUIPMENT WORKING AROUND CONSTRUCTION STAKES. THESE CONSTRUCTION STAKES SHALL REMAIN IN PLACE AND BE PROTECTED UNTIL OWNER APPROVES THEIR REMOVAL. ANY STAKES THAT HAVE BEEN DISPLACED AS A RESULT OF CONSTRUCTION ACTIVITY ARE TO BE REPLACED BY A LICENSED LAND SURVEYOR ENGAGED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- I. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL CLEAN THE ENTIRE SITE OF ALL CONSTRUCTION RELATED MATERIAL OR DEBRIS TO THE OWNERS SATISFACTION.
- J. THE ENGINEER WILL NOT BE CONTINUOUSLY PRESENT IN THE FIELD. IT IS SPECIFICALLY UNDERSTOOD THAT HE DOES NOT UNDERTAKE NOR ASSUME ANY OBLIGATION FOR SUPERVISION OF CONSTRUCTION, SAFETY MEASURES TAKEN DURING THE COURSE OF CONSTRUCTION, RESPONSIBILITY FOR SCHEDULING THE WORK, FOR INSURING COMPLETE COMPLIANCE WITH THE CONTRACT DOCUMENTS. IN ADDITION, THE ENGINEER NEITHER UNDERTAKES, ASSUMES, NOR GUARANTEES THE WORK AND/OR PERFORMANCE OF THE CONTRACTOR, HOWEVER, THE ENGINEER MUST CERTIFY THE COMPLETED PROJECT PRIOR TO OPERATION OF THE WASTEWATER IRRIGATION SYSTEM TO INSURE THE PROJECT HAS BEEN COMPLETED IN GENERAL ACCORDANCE WITH THE APPROVED PLANS. THE ENGINEER WILL MAKE PERIODIC INSPECTIONS DURING CONSTRUCTION TO VERIFY GENERAL COMPLIANCE WITH THE APPROVED PLANS.
- K. ALL EXISTING IMPROVEMENTS DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, TO THE OWNERS SATISFACTION.

GENERAL CONSTRUCTION NOTES

- A. ALL WORK AND MATERIALS MUST MEET OR EXCEED THE STANDARDS SET FORTH IN NORTH CAROLINA ADMINISTRATIVE CODE TITLE 18A SECTION .1900.
- B. ALL ELECTRICAL & PLUMBING WORK SHALL MEET OR EXCEED N.C. BUILDING CODE AND BE APPROVED BY THE CITY/COUNTY BUILDING INSPECTIONS.
- C. ANY ALTERATIONS TO THE PLANS MUST BE APPROVED BY THE PROJECT ENGINEER, APPLICABLE VENDORS, AND THE COUNTY ENVIRONMENTAL HEALTH DEPARTMENT.

GENERAL SURVEY NOTES

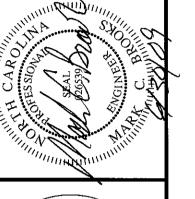
- A. PROPERTY LINES ARE DEPICTED FROM INFORMATION OBTAINED FROM JACKSON COUNTY GEOGRAPHIC INFORMATION SYSTEMS.
- B. THIS IS NOT A BOUNDARY SURVEY AND THESE PLANS ARE NOT TO BE USED TO CONVEY PROPERTY LINES.
- C. BEA ASSUMES NO RESPONSIBILITY FOR P/L ACCURACY.

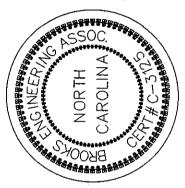
REQUIRED INSPECTION SCHEDULE BY PROJECT ENGINEER

- A. NO CONSTRUCTION SHALL COMMENCE PRIOR TO A PRECONSTRUCTION MEETING WITH THE PROJECT ENGINEER, THE CONTRACTOR, AND A REPRESENTATIVE OF THE COUNTY ENVIRONMENTAL HEALTH DEPARTMENT.
- B. NO EQUIPMENT SUBSTITUTION SHALL BE MADE WITHOUT MANUFACTURER(S) AND PROJECT ENGINEER'S APPROVAL.
- C. PRESSURE TESTING OF ALL SYSTEM COMPONENTS PRIOR TO BACKFILLING SHALL BE OBSERVED AND/ OR REPORTED TO THE ENGINEER.
- D. CONTRACTOR SHALL PROVIDE COMPONENT SUBMITTALS- INCLUDING, BUT NOT LIMITED TO: TANKS, PUMPS, CONTROL PANELS, FLOATS OR PRESSURE BELL ASSEMBLIES, AND ANY OTHER PERTINENT ITEMS INSTALLED FOR THIS PROJECT. THE EXACT FOOTAGE OF DRIP TUBING INSTALLED MUST BE VERIFIED BY THE INSTALLER ALONG WITH DOCUMENTATION REGARDING THE INSTALLED TUBING EMITTER RATES. PACKAGE MUST BE SUBMITTED PRIOR TO CONSTRUCTION FOR ITEMS REQUIRING SUBSTITUTION APPROVAL OR AT FINAL INSPECTION FOR ITEMS NOT CHANGED FROM APPROVED PLANS. INVOICES, PACKING SLIPS OR DELIVERY CONFIRMATION PAPERWORK ARE ACCEPTABLE. FINAL ENGINEERING CERTIFICATION WILL NOT BE RELEASED UNTIL THIS PAKAGE IS RECEIVED BY THE ENGINEER.
- E. FINAL INSPECTION CHECKLIST SHALL BE PROVIDED TO CONTRACTOR AND DEH REPRESENTATIVE.



IT'S THE LAW!

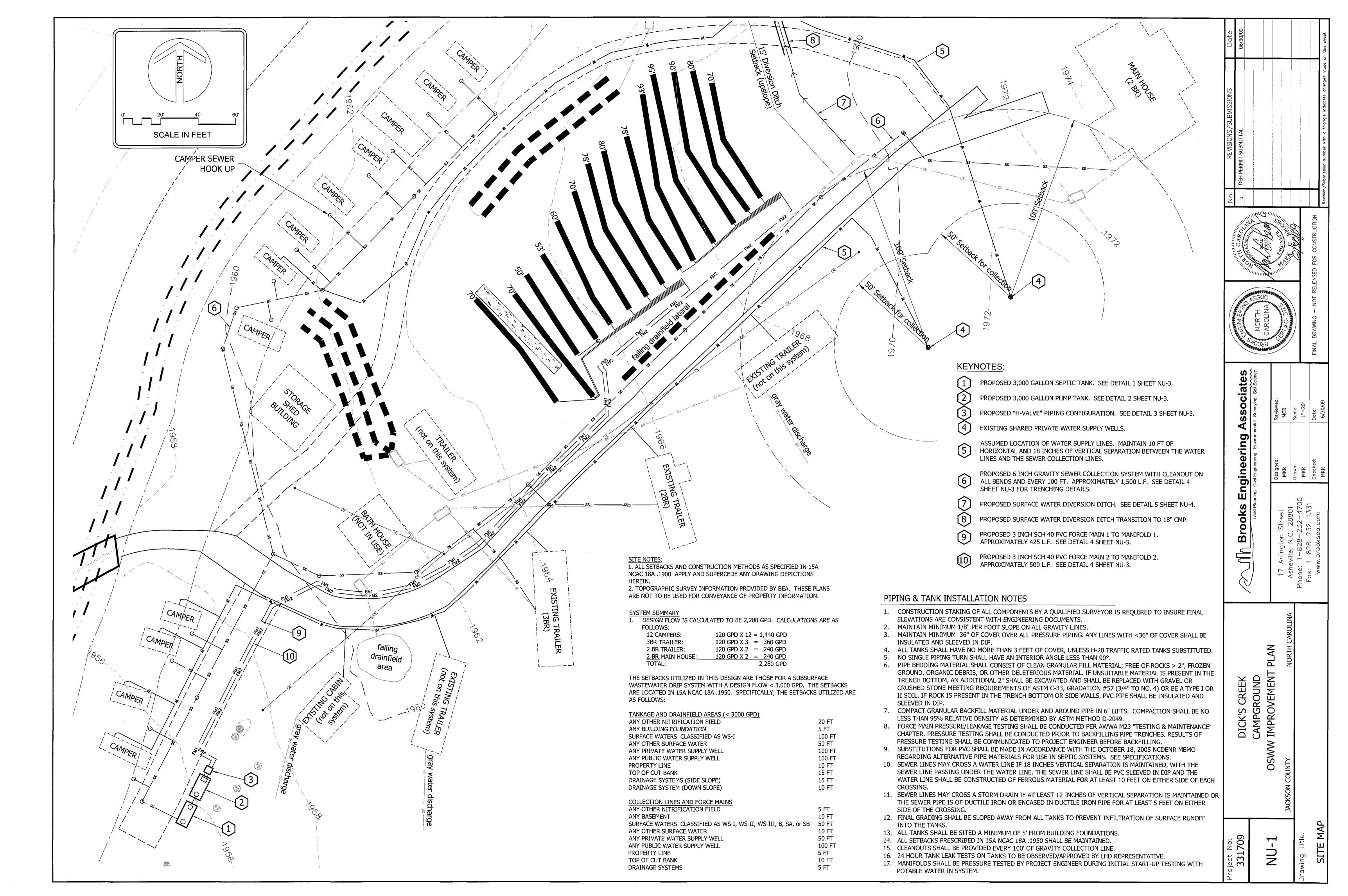


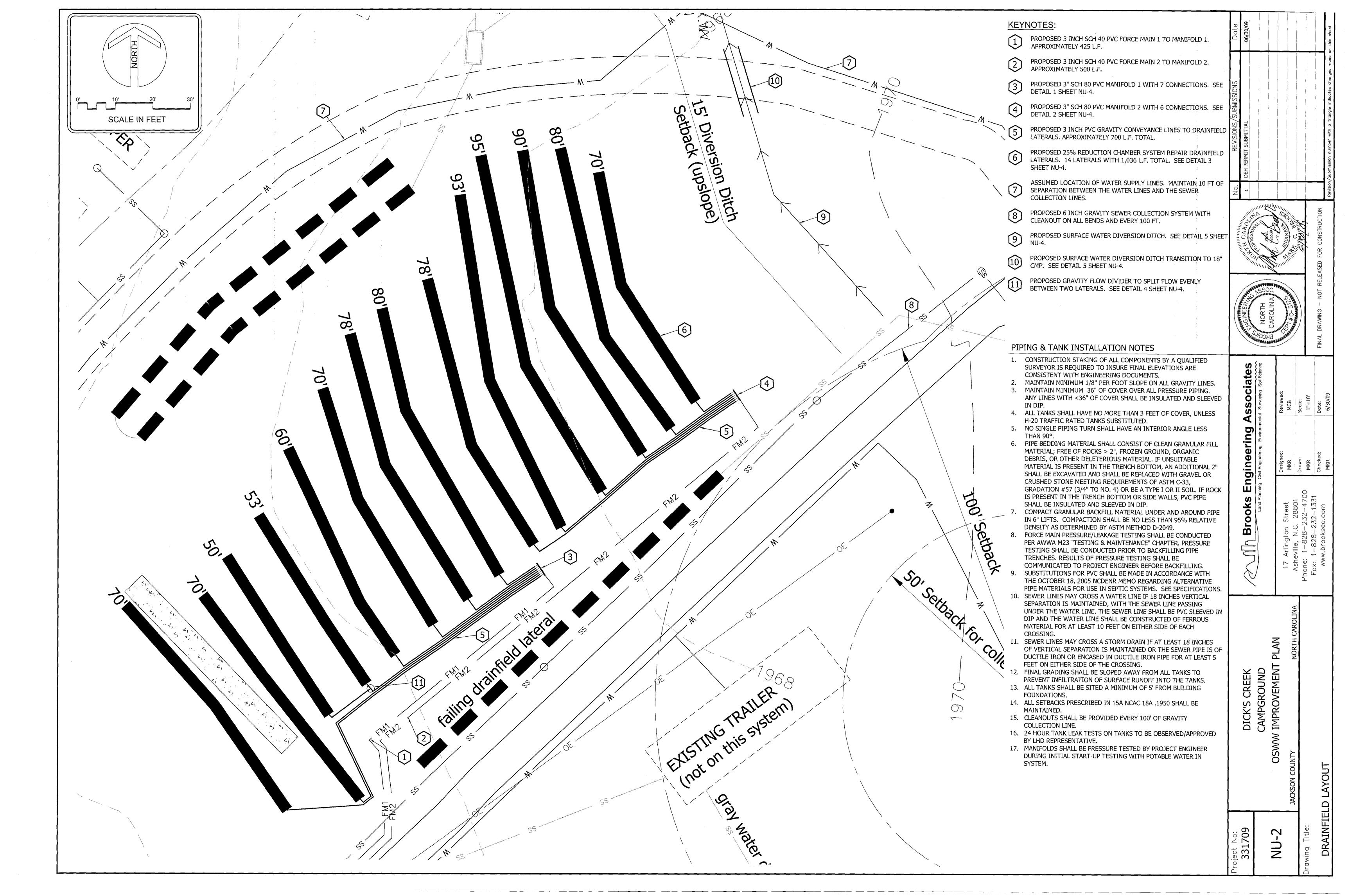


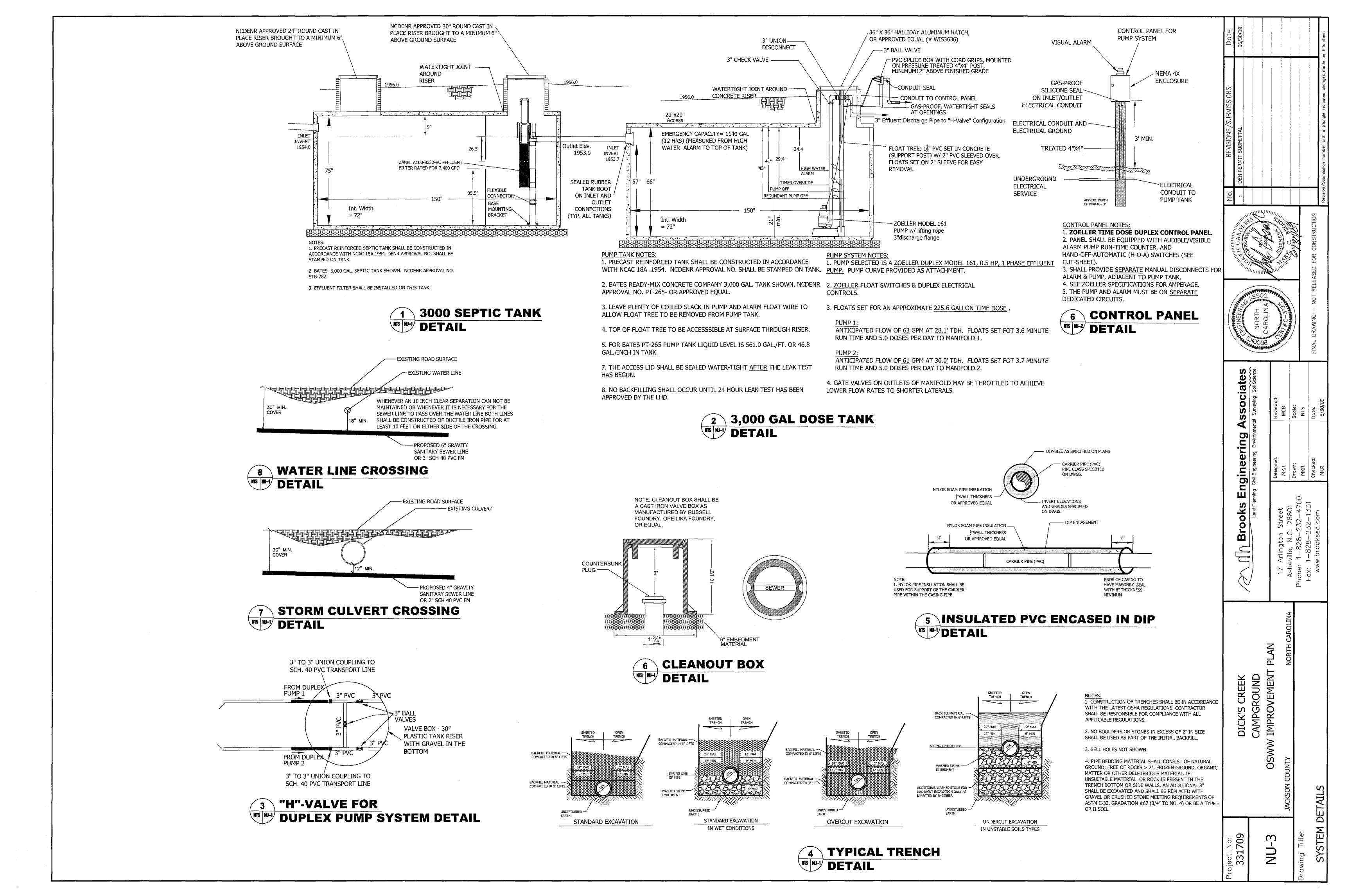
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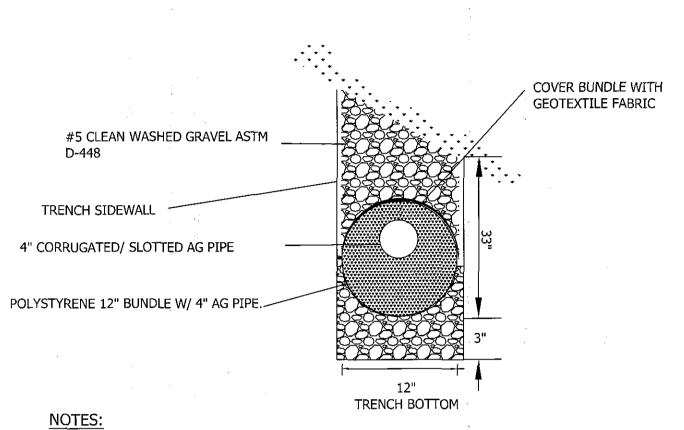
Brooks

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1. FALL ON SURFACE WATER DIVERSION DITCH SHALL BE GREATER THAN OR

EQUAL TO 2' PER 100'.

2. #5 CLEAN WASHED GRAVEL ASTM D-448 TO BE INSTALLED 3" BELOW POLY

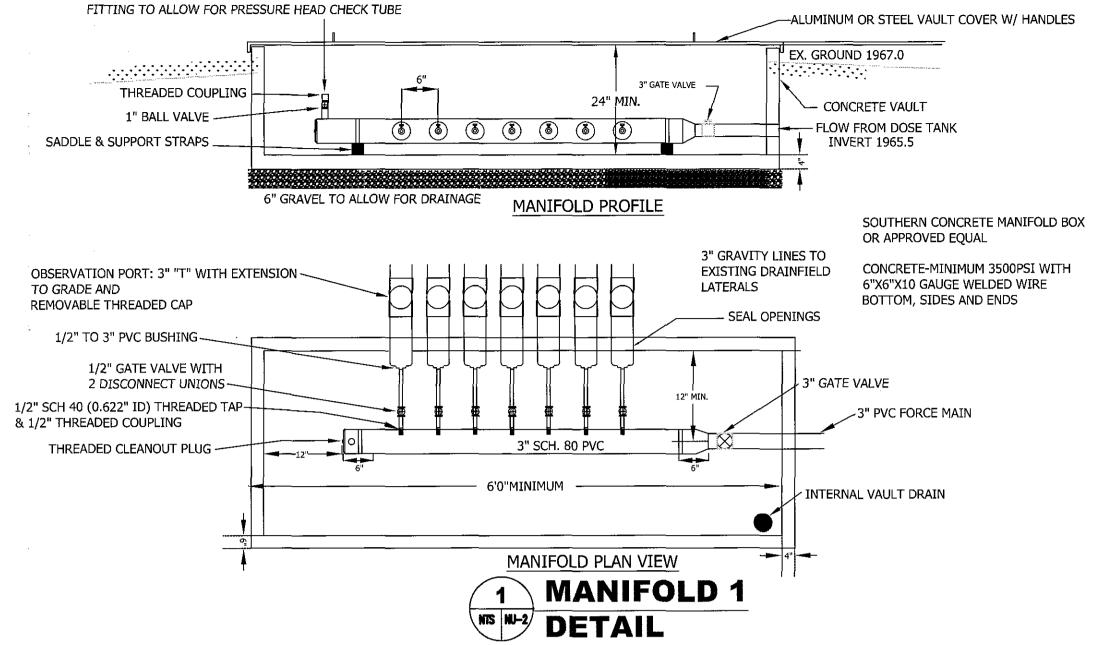
3. TRENCH BOTTOM SHOULD PENETRATE THE IMPERMEABLE OR SLOWLY PERMEABLE HORIZON.

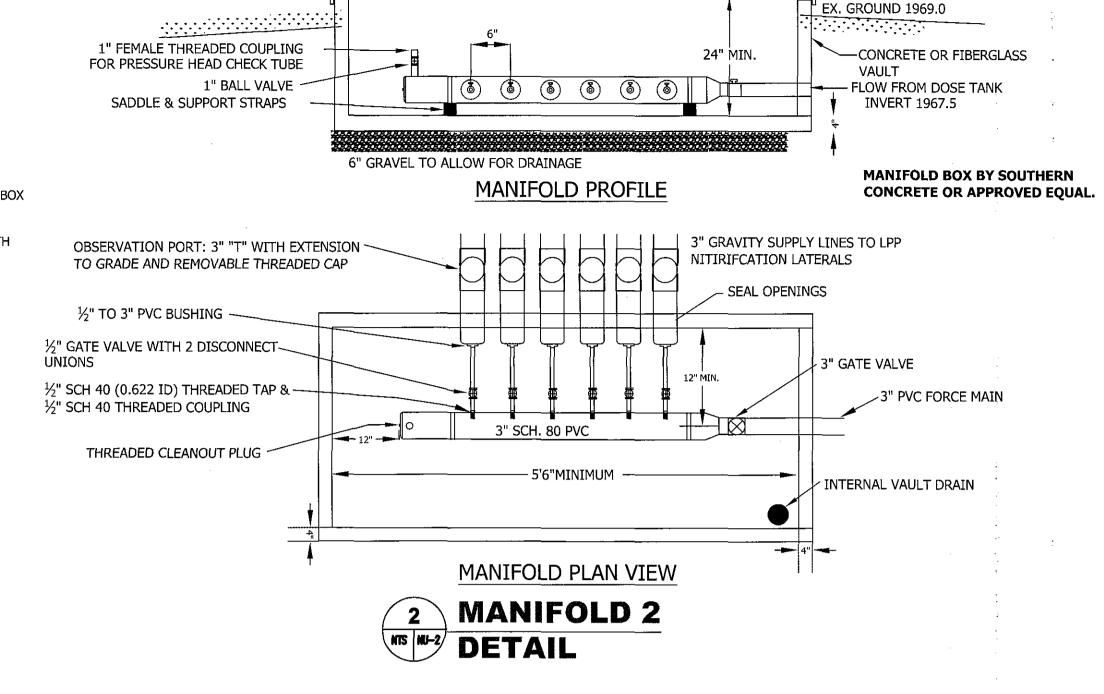
4. TRENCH BOTTOM SHOULD NOT EXCEED 6'.

5. 10' OF SCH 40 PVC ASTM 1785 OR STEEL PIPE ASTM A211 AT OUTLET END.

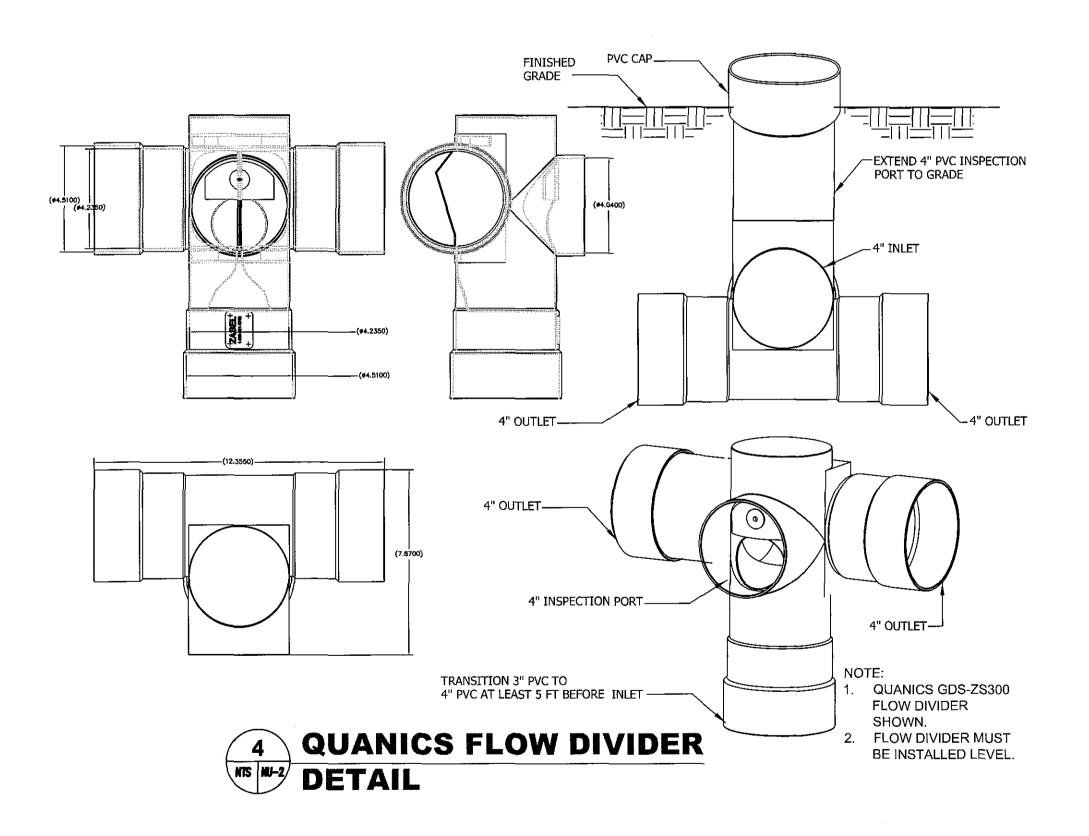
6. GUARD SHALL BE INSTALLED AT END TO PREVEN DAMAGE FROM ANIMALS.

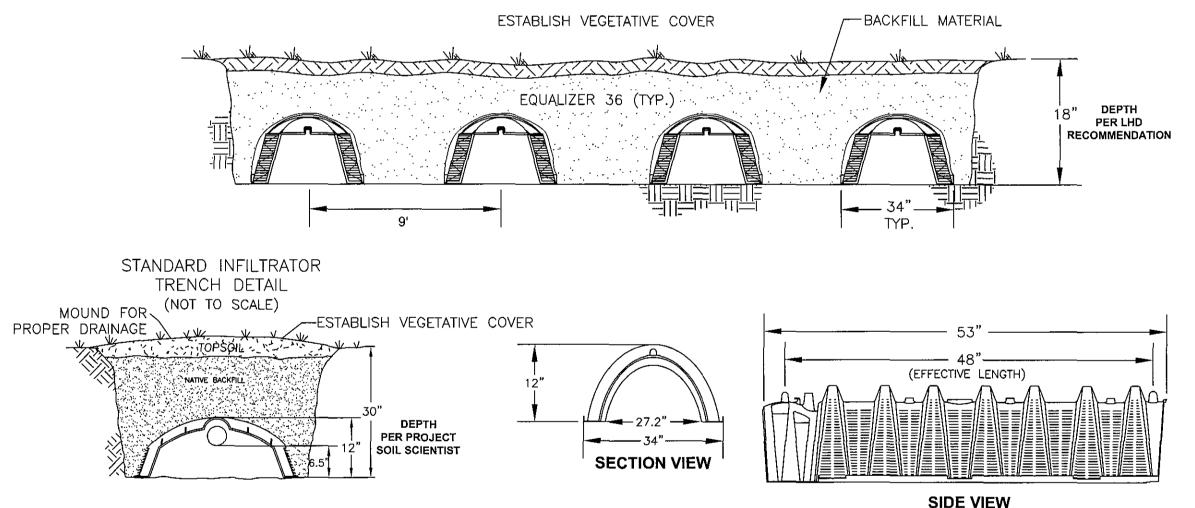
5 SURFACE WATER DIVERSION MS NU-2 DITCH DETAIL





ALUMINUM OR STEEL VAULT COVER W/ HANDLES IF CONC. VAULT UTILIZED





3 INFILTRATOR QUICK 4 STANDARD W
CHAMBER DETAIL

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	Brooks Engineering Associates				17 Arlington Street Asheville, N.C. 28801 Phone: 1—828—232—4700 Fax: 1—828—232—1331 www.brooksea.com				
	DICK'S CREEK CAMPGROUND OSWW IMPROVEMENT PLAN JACKSON COUNTY NORTH CAROLINA LD DETAILS							LD DETAILS	
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