99/99033/DWGS/TOPO

PROPOSED BOOSTER PUMP/PRESSURE SYSTEM BUILDING. SEE BUILDING DETAILS FOR INTERIOR PIPING.

REDUCE 6" PIPING TO 3" PIPING PRIOR TO TURNING UP INTO PROPOSED PRESSURE BUILDING

PROPERTY LINE

APPROXIMATE LOCATION OF EX. 2" TANK LINE CONTRACTOR TO VERIFY LOCATION FOR CROSSINGS AND TIE-INS WITH PROPOSED WATERLINES.

PROPOSED 6" 90° BEND

1½ GALV.

PROPOSED 6" DR-14 (CLASS 200) PVC WATER PIPE INSTALL AT 3' MINIMUM COVER.

PROPOSED 6" WATERLINE (SEE SHT 3 OF 5 FOR PLAN AND PROFILE)

EX. SHED (TO REMAIN)

EX. PAVILION/WATER TREATMENT FACILITY

PROPOSED 6" 22.5° AND 11.25° BENDS

PROPOSED 6" 22.5° BEND

EX. STANDPIPE WATER STORAGE TANK

865

(2) 3/4 Rigid 1 1/2 Conduits 1 Spare

1½" to 6" PVC

EX. VALVE (TYP)

CONTRACTOR TO INTERCEPT EX. 2" TANK WATERLINE, INSTALL NEW 2"X2"X2" TEE, AND ENLARGE IMMEDIATELY TO 6" DR-14 (CLASS 200) PVC WATERLINE AT 3' MINIMUM COVER AND CONNECT TO PROPOSED TANK INLET PIPE.

PROPOSED 6" DR-14 (CLASS 200) PVC WATER PIPE INSTALL AT 3' MINIMUM COVER

PROPOSED 6" GATE VALVE

PROPOSED 6" TEE

PROPOSED 6" 22.5° BEND

LINE A

LINE B

LINE C

PROPOSED 6" GATE VALVES (FOR BYPASS)

2" PVC

EX 2" WATERLINE TO BE ABANDONED AFTER APPROPRIATE CONNECTIONS ARE MADE

Bored w Casing For 2" Line

BENCHMARK:CORNER CONCRETE PAVILION ELEV.=866.76

PROPOSED GROUND STORAGE WATER TANK TOP OF FOUNDATION ELEV.=867.0

SLOPE TO DRAIN

SLOPE TO DRAIN

LINE D

LINE C

FINAL GRADING NEAR WATER TANK SHALL ENSURE DRAINAGE AROUND & AWAY FROM TANK

PROPOSED 6" 22.5° AND 11.25° BENDS

PROPOSED 6" 22.5° BEND

EXISTING METER

PROPOSED 6"X6"X6" TEE AND GATE VALVE SEE PLAN AND PROFILE SHEET FOR INSTALLATION

2" G.V.

Existing Line

EX. WELL HEAD

VDOT RIGHT-OF-WAY (TYP)

PROPOSED 6" DR-14 (CLASS 200) PVC WATERLINE TO BE INSTALLED AT 3' MINIMUM COVER FROM PROPOSED TEE TO EX. 2" WATERLINE

LAKEWOOD DRIVE

BENCHMARK:CORNER CONCRETE WELL SLAB ELEV.=867.84

APPROXIMATE LOCATION OF EX. 2" DISTRIBUTION LINE CONTRACTOR TO VERIFY LOCATION FOR TIE-INS WITH PROPOSED WATERLINES.

870

THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. UTILITIES MAY EXIST WITHIN THE CONSTRUCTION AREA OF THESE PLANS THAT ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTH OF ALL UTILITIES BEFORE COMMENCING WORK, AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE SUCH UTILITIES. IF DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THESE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE CONTINUANCE OF SERVICE. CALL MISS UTILITIES AT 1-800-552-7001 (TOLL FREE) 48 HOURS BEFORE DIGGING.

UTILITY INSTALLATION EROSION AND SEDIMENT CONTROL NOTE:

UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.

B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCH.

C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF SITE PROPERTY.

D. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

E. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

ENGINEERING CONCEPTS, INC.
20 S. ROANOKE ST., PO BOX 619
FINCASTLE, VIRGINIA 24090
540.473.1253 FAX: 540.473.1254

COMMONWEALTH OF VIRGINIA
PAUL S. NIEHOFF
No. 033525
3/15/2000
PROFESSIONAL ENGINEER

Drawn	PSN
Designed	PSN
Checked	JST
Approved	JST

LAKEWOOD FOREST WATER SYSTEM UPGRADE

PLAN VIEW

1"=5'
MARCH 2000
PROJECT: 99033
2 of 5