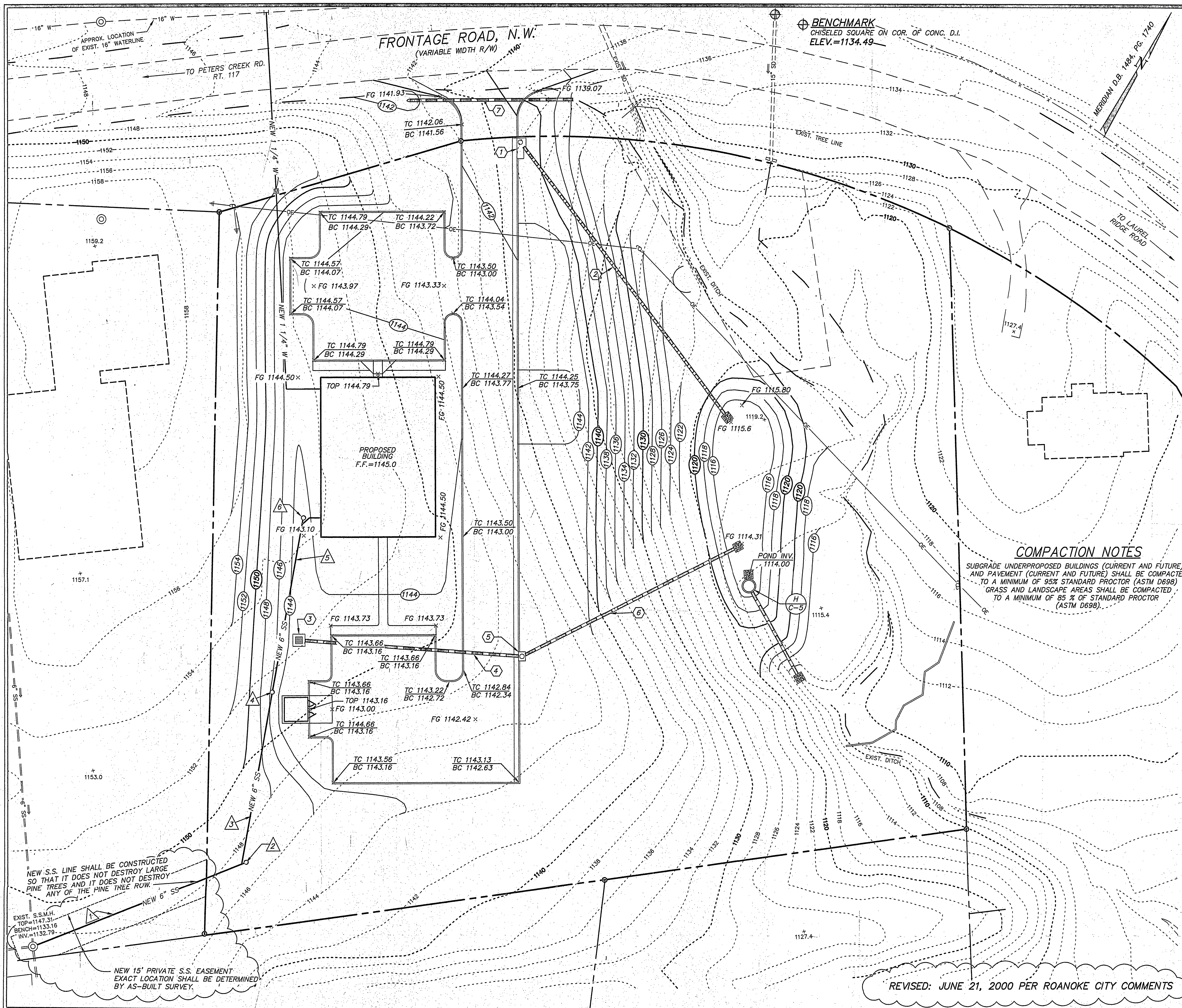




NOTES:
1. COORDINATE WITH AND PROTECT EXISTING VDOT DRAINAGE STRUCTURES.

WATER NOTES
THE CITY OF ROANOKE WILL PERFORM THE TAP INTO THE EXISTING WATER LINE ALONG FRONTAGE ROAD, AND WILL PROVIDE THE WATERLINE TO THE METER, THE METER SETTER, AND THE NEW 1 INCH METER, AT THE OWNER'S EXPENSE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE NEW 1 1/4" WATERLINE, BENDS, FITTINGS, ETC. TO EXTEND WATER SERVICE TO THE BUILDING AS SHOWN. THE NEW 1 1/4" INCH WATERLINE SHALL BE TYPE K COPPER. THE CONTRACTOR SHALL COORDINATE THE EXACT POINT OF ENTRY INTO THE BUILDING WITH THE PLUMBING PLANS.

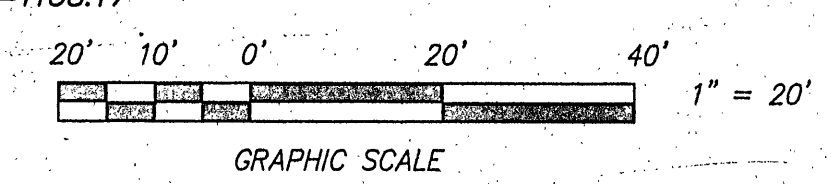
STORM DRAIN SCHEDULE
ALL NEW STORM DRAINAGE STRUCTURES SHALL BE PRECAST AND SHALL MEET APPLICABLE VDOT STANDARDS AND SPECIFICATIONS FOR THE CONSTRUCTION OF PRECAST CONCRETE STRUCTURES.
NEW "HDPE" PIPE SHALL BE TYPE N-12 HIGH DENSITY POLYETHYLENE AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS OF COLUMBUS, OHIO, OR ENGINEER APPROVED EQUAL.
NEW "HDPE" PIPE SHALL BE BEDDED AND INSTALLED IN STRICT ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS.

- 1 PROVIDE VDOT STANDARD DI-3B CURB INLET, L=8'
TOP=1140.84
INV.=1136.92
- 2 PROVIDE 14'-15" "HDPE" @ 14.47%
INV. IN= 1136.92
INV. OUT= 1115.80
PROVIDE 2 CY VDOT STANDARD EC-1 AT OUTLET
- 3 PROVIDE VDOT STANDARD DI-7 GRATE INLET W/ TYPE III GRATE.
TOP= 1142.26
INV. = 1139.26
- 4 PROVIDE 98'- 15" "HDPE" @ 1.0%
INV. IN= 1139.26
INV. OUT= 1138.28
- 5 PROVIDE VDOT STANDARD DI-3B CURB INLET, L=4'
TOP=1142.58
INV. IN= 1138.28
INV. OUT= 1138.18
- 6 PROVIDE 105'- 15" "HDPE" @ 22.73%
INV. IN= 1138.18
INV. OUT= 1114.31
PROVIDE 2 CY VDOT STANDARD EC-1 AT OUTLET
- 7 PROVIDE 71'- 15" CLASS III REINFORCED CONC. PIPE @ 8.35%
INV. IN= 1139.93
INV. OUT= 1134.00
CONC. PIPE SHALL BE BEDDED IN ACCORDANCE WITH VDOT STANDARDS AND SPECIFICATIONS

COMPACTION NOTES
SUBGRADE UNDERPROPOSED BUILDINGS (CURRENT AND FUTURE), AND PAVEMENT (CURRENT AND FUTURE) SHALL BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR (ASTM D698)
GRASS AND LANDSCAPE AREAS SHALL BE COMPACTED TO A MINIMUM OF 85% OF STANDARD PROCTOR (ASTM D698).

SANITARY SEWER SCHEDULE
NEW SANITARY SEWER PIPE AND FITTINGS SHALL BE SDR-35 POLYVINYL CHLORIDE, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF ROANOKE STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE THE DROP CONNECTION INTO THE EXISTING SANITARY SEWER MANHOLE WITH THE CITY OF ROANOKE SEWER DEPARTMENT.
CONTRACTOR SHALL COORDINATE EXACT POINT OF ENTRY INTO THE BUILDING WITH PLUMBING PLANS.

- | | |
|--|--|
| 1 PROVIDE 110'- 6" S.S. @ 1.04%
INV. IN=1138.17
INV. OUT=1137.03
PROVIDE DROP CONNECTION INTO EXIST. S.S.M.H. | 4 PROVIDE NEW S.S.C.O.
TOP=1140.00
INV.=1138.96 |
| 2 PROVIDE NEW S.S.C.O.
TOP=1147.00
INV.=1138.17 | 5 PROVIDE 77'-6" S.S. @ 1.04%
INV. IN=1139.76
INV. OUT=1138.96 |
| 3 PROVIDE 76'-6" S.S. @ 1.04%
INV. IN=1138.96
INV. OUT=1138.17 | 6 PROVIDE NEW S.S.C.O.
TOP=1143.26
INV.=1139.76 |



	GRADING, UTILITIES, AND STORM DRAIN PLAN FOR EMERGENCY VETERINARY SERVICES OF ROANOKE, INC.
	SITUATE 4902 FRONTAGE RD., N.W. OFF OF PETERS CREEK RD. CITY OF ROANOKE, VIRGINIA
Designed: M.L. Liscumb Drawn: M.L. Liscumb Checked: F.B. Caldwell Date: April 25, 2000 Scale: 1" = 20' Tax Parcel: 6490804 W.O. No.: 99-0112 Field Book: WES-3	 CWA CALDWELL WHITE ASSOCIATES ENGINEERS / SURVEYORS / PLANNERS 1054 OLD COUNTRY CLUB ROAD P.O. BOX 6940 ROANOKE, VIRGINIA 24017 (540) 542-7084 FAX: (540) 981-0699

REVISED: JUNE 21, 2000 PER ROANOKE CITY COMMENTS