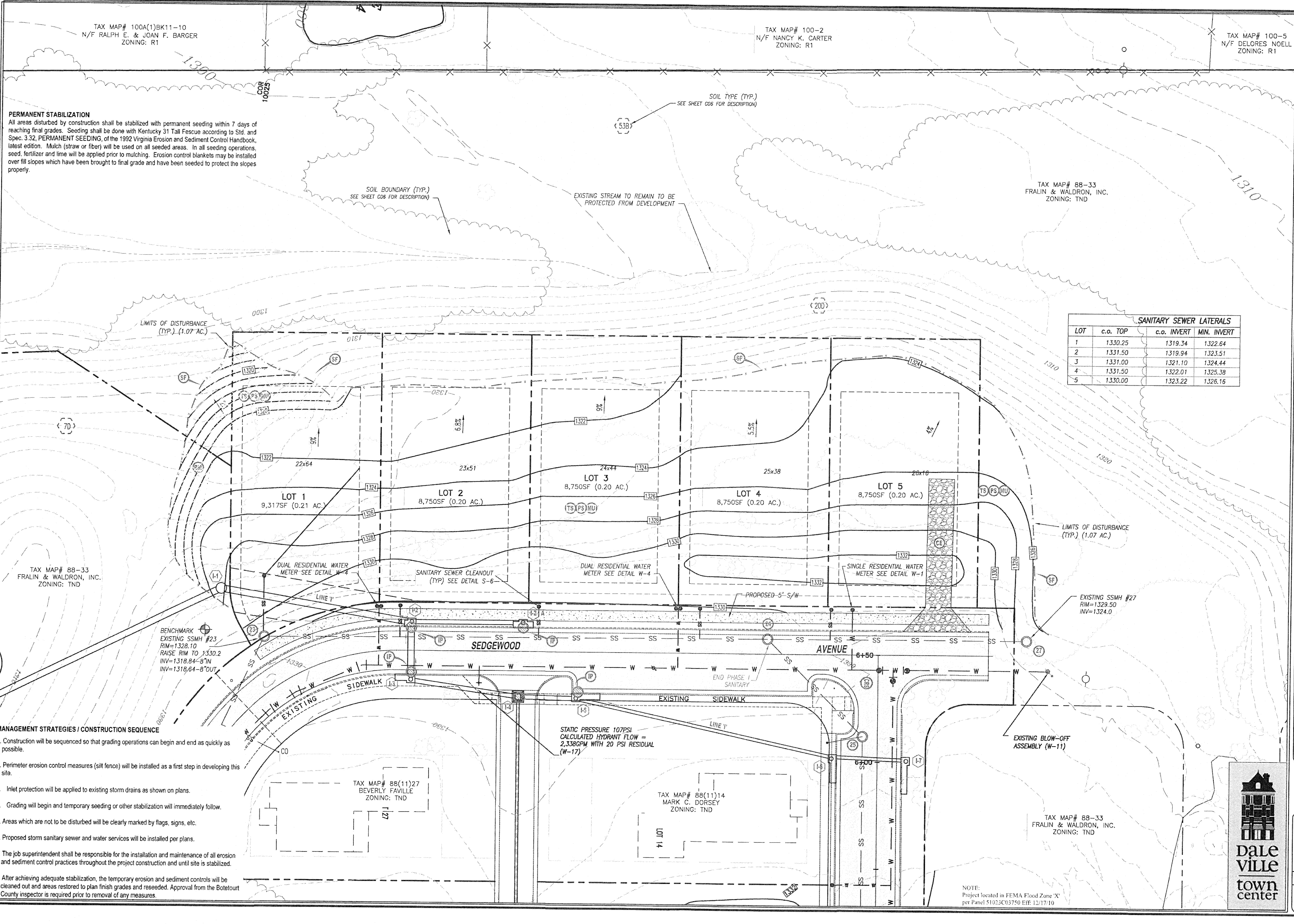




PERMANENT STABILIZATION
All areas disturbed by construction shall be stabilized with permanent seeding within 7 days of reaching final grades. Seeding shall be done with Kentucky 31 Tall Fescue according to Std. and Spec. 3.32, PERMANENT SEEDING, of the 1992 Virginia Erosion and Sediment Control Handbook, latest edition. Mulch (straw or fiber) will be used on all seeded areas. In all seeding operations, seed, fertilizer and lime will be applied prior to mulching. Erosion control blankets may be installed over fill slopes which have been brought to final grade and have been seeded to protect the slopes properly.

TAX MAP# 88-33
FRALIN & WALDRON, INC.
ZONING: TND

MANAGEMENT STRATEGIES / CONSTRUCTION SEQUENCE

1. Construction will be sequenced so that grading operations can begin and end as quickly as possible.
2. Perimeter erosion control measures (silt fence) will be installed as a first step in developing this site.
 1. Inlet protection will be applied to existing storm drains as shown on plans.
 2. Grading will begin and temporary seeding or other stabilization will immediately follow.
 4. Areas which are not to be disturbed will be clearly marked by flags, signs, etc.
 5. Proposed storm sanitary sewer and water services will be installed per plans.
 6. The job superintendent shall be responsible for the installation and maintenance of all erosion and sediment control practices throughout the project construction and until site is stabilized.
 7. After achieving adequate stabilization, the temporary erosion and sediment controls will be cleaned out and areas restored to plan finish grades and reseeded. Approval from the Botetourt County inspector is required prior to removal of any measures.

SOIL BOUNDARY (TYP.)
SEE SHEET C06 FOR DESCRIPTION

EXISTING STREAM TO REMAIN TO BE
PROTECTED FROM DEVELOPMENT

TAX MAP# 100-2
N/F NANCY K. CARTER
ZONING: R1

TAX MAP# 100-5
N/F DELORES NOELL
ZONING: R1

TAX MAP# 88-33
FRALIN & WALDRON, INC.
ZONING: TND

SANITARY SEWER LATERALS			
LOT	c.o. TOP	c.o. INVERT	MIN. INVERT
1	1330.25	1319.34	1322.64
2	1331.50	1319.94	1323.51
3	1331.00	1321.10	1324.44
4	1331.50	1322.01	1325.38
5	1330.00	1323.22	1326.16

BENCHMARK
EXISTING SSMH #23
RIM=1328.10
RAISE RIM TO 1330.2
INV=1318.84-8'IN
INV=1318.64-8'OUT

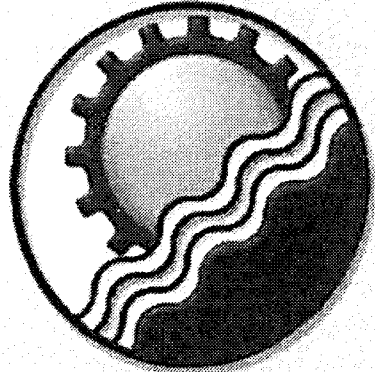
STATIC PRESSURE 107PSI
CALCULATED HYDRANT FLOW =
2,338GPM WITH 20 PSI RESIDUAL
(W-17)

EXISTING SSMH #27
RIM=1329.50
INV=1324.0

TAX MAP# 88(11)14
MARK C. DORSEY
ZONING: TND

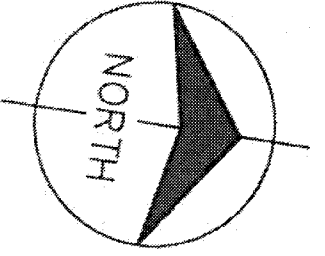
TAX MAP# 88-33
FRALIN & WALDRON, INC.
ZONING: TND

NOTE:
Project located in FEMA Flood Zone 'X'
per Panel 51023C03750 Eff. 12/17/10



**ENGINEERING
CONCEPTS, INC.**

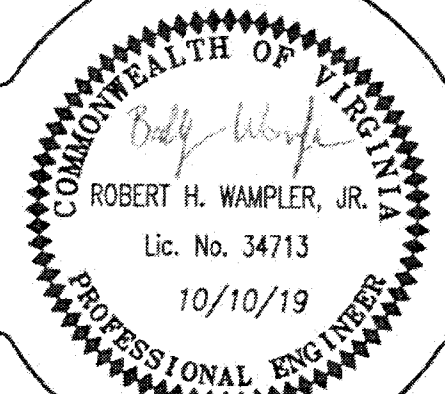
94 GREENFIELD STREET
DALEVILLE, VIRGINIA 24083
540.473.1253



No.	Description	Date
1	P&Z & WMA 10/07/19	10/10/19

**DALEVILLE TOWN CENTER-PH 2C
BOTETOURT COUNTY - VA**

**SEDGEWOOD AVENUE
GRADING & E&S PLAN**



0 20 40
GRAPHIC SCALE

PROJECT: 18038

C05