

CE	STD & SPEC 3.02; CONSTRUCTION ENTRANCE
CRS	STD & SPEC 3.03; CONSTRUCTION ROAD STABILIZATION
SF	STD & SPEC 3.05; SILT FENCE
IP	STD & SPEC 3.07; STORM DRAIN INLET PROTECTION
OP	STD & SPEC 3.18; OUTLET PROTECTION
CD	STD & SPEC 3.20; ROCK CHECK DAMS
PS	STD & SPEC 3.32; PERMANENT SEEDING
MU	STD & SPEC 3.35; MULCHING

	CAR PARKING
	TRUCK, HEAVY TRAFFIC, & TURN LANE AREAS
	CONCRETE PAVEMENT & SIDEWALKS

RETAINING WALL DESIGN TO BE PROVIDED BY OTHERS

SEE LANDSCAPE ARCHITECT'S PLANS FOR DUMPSTER
SCREEN DETAIL AND PLANTING DETAIL.

EXTERIOR LIGHTING TO BE PROVIDED BY OTHERS
BUT SHALL NOT EXCEED 0.5 FT CANDLE AT THE
PROPERTY LINES.

Exist SMH
Rim = 974.00
Inv in = 968.52
Inv out = 968.42

Len F & Dorothy A Deshano
DB 1464 Pg 1305
Tax No. 38.16-1-7
Zoned C-2

Golden Oak Era Antiques
DB 1298 Pg 559
Tax No. 38.16-1-6
Zoned R-1

SANITARY SEWER STRUCTURE TABLE

1. 28 LF - 6" SANITARY SEWER, PVC SDR-35; SLOPE = 3.00%
INV 8" IN = 969.34; INV OUT = 966.50
2. SANITARY/SAMPLING MANHOLE; RIM ELEV = 975.50
INV 8" IN = 969.44; INV 8" OUT = 969.34
3. 312 LF - 6" SANITARY SEWER, PVC SDR-35; SLOPE = 3.00%
INV IN = 978.80; INV OUT = 969.44
4. SANITARY MANHOLE; RIM ELEV = 986.50
INV 8" IN = 978.90; INV 8" OUT = 978.80
5. 246 LF - 8" SANITARY SEWER, PVC SDR-35; SLOPE = 1.00%
INV IN = 981.36; INV OUT = 978.80
6. SANITARY MANHOLE; RIM ELEV = 987.90
INV 6" IN = 981.53; INV 6" OUT = 981.36
7. 30 LF - 6" SANITARY SEWER, PVC SDR-35; SLOPE = 1.00%
INV IN = 981.83; INV OUT = 981.53

STORM DRAINAGE STRUCTURE TABLE

- 24' EW-1PC, INV. OUT = 977.04
- 72' LF - 24" RCP, CL III; SLOPE = 0.80%
- INV. IN = 977.62, INV. OUT = 977.04
- DI-1PC, GRATE ELEV. = 986.30
- INV. 24" IN = 977.72; INV. 24" OUT = 977.62
- 152' LF - 24" RCP, CL III; SLOPE = 0.80%
- INV. IN = 978.94; INV. OUT = 977.72
- STORM DRAIN MANHOLE: RIM ELEV. = 987.90
- INV. 24" IN = 979.04; INV. 24" OUT = 978.94
- 76' LF - 24" RCP, CL III; SLOPE = 0.80%
- INV. IN = 978.63; INV. OUT = 978.04
- STORM DRAIN MANHOLE: RIM ELEV. = 988.55
- INV. 15" IN = 985.00 (ROOF DRAIN); INV. 15" IN = 979.90
- INV. 24" OUT = 978.65
- 160' LF - 15" RCP, CL III; SLOPE = 1.00%
- INV. IN = 991.50; INV. OUT = 979.90
- DI-1PC, GRATE ELEV. = 984.75
- INV. 15" IN = 981.75; INV. 18" OUT = 981.50
- 44' LF - 15" RCP, CL III; SLOPE = 2.00%
- INV. IN = 992.63; INV. OUT = 981.75
- DI-3C, L = 20.0'; TOP ELEV. = 987.50
- INV. 15" OUT = 982.63
- 30' LF - 15" RCP, CL III; SLOPE = 1.00%
- INV. IN = 985.30; INV. OUT = 985.00 (ROOF DRAIN CONNECTION)
- 15' EW-1PC, INV. OUT = 969.50
- 80' LF - 15" RCP, CL III; SLOPE = 1.00%
- INV. IN = 90.70; INV. OUT = 969.50
- DETENTION BASIN NO. 2 OUTLET STRUCTURE (SEE DETAIL)
- DI-1PC; 72" MANHOLE BASE; GRATE ELEV. = 975.60
- INV. 15" RCP IN = 973.12; 48" CMP IN = 970.70
- 132' LF - 15" RCP, CL III; SLOPE = 2.48%
- INV. IN = 976.40; INV. OUT = 973.12
- DI-3B, L = 6.0'; TOP ELEV. = 969.50
- INV. 15" IN = 976.50; INV. 15" OUT = 976.40
- 214' LF - 15" RCP, CL III; SLOPE = 1.93%
- INV. IN = 980.64; INV. OUT = 976.50
- DI-1PC, GRATE ELEV. = 986.65
- INV. 15" OUT = 980.64
- 135' LF - 48" CMP CULVERT; SLOPE = 0.50%
- INV. IN = 971.35; INV. OUT = 970.70
- DI-4B, L = 16.0'; TOP ELEV. = 979.70
- INV. 48" CMP OUT = 971.35
- 15' EW-1PC, INV. OUT = 970.43
- 44' LF - 15" RCP, CL III; SLOPE = 3.00%
- INV. IN = 971.75; INV. OUT = 970.43
- 28A DI-7, TYPE III GRATE, GRATE ELEV. = 974.75
- INV. 15" IN = 971.75; INV. 15" OUT = 971.75
- 40' LF - 15" RCP, CL III; SLOPE = 1.55%
- INV. IN = 973.25; INV. OUT = 971.75
- DETENTION BASIN NO. 1 OUTLET STRUCTURE (SEE DETAIL)
- 15' EW-1PC, INV. OUT = 975.15
- 16' LF - 15" RCP, CL III; SLOPE = 0.50%
- INV. IN = 975.22; INV. OUT = 975.14
- DI-3B, L = 12.0'; TOP ELEV. = 979.50
- INV. 15" IN = 975.00; INV. 15" OUT = 975.22
- 36' LF - 15" RCP, CL III; SLOPE = 0.50%
- INV. IN = 975.50; INV. OUT = 975.32
- DI-3B, L = 16.0'; TOP ELEV. = 979.50
- INV. 15" RCP OUT = 975.50
- MODIFY EXISTING DI-7 STRUCTURE TO STORM DRAIN MANHOLE: RIM ELEV. = 985.50
- 6' LF - 15" RCP, CL III; SLOPE = 0.8%
- INV. IN = 978.06; INV. OUT = 978.00
- DI-7, TYPE III GRATE; GRATE ELEV. = 984.00
- INV. 15" OUT = 978.00
- MODIFY EXISTING DI-7 STRUCTURE TO STORM DRAIN MANHOLE: RIM ELEV. = 980.50
- 6' LF - 15" RCP, CL III; SLOPE = 1.00%
- INV. IN = 975.06; INV. OUT = 975.00
- DI-7, TYPE III GRATE; GRATE ELEV. = 979.75
- INV. 15" OUT = 975.06

RETAINING WALL ELEVATIONS

- (A) TOP = 994.50; BOTTOM = 990.00
(B) TOP = 1000.00; BOTTOM = 989.00
(C) TOP = 1000.00; BOTTOM = 989.00
(D) TOP = 997.00; BOTTOM = 989.00
(E) TOP = 991.00; BOTTOM = 989.00

RETAINING WALL NOTE:
STRUCTURAL PLANS FOR RETAINING
WALL MUST BE SUBMITTED AND
APPROVED BY THE ROANOKE COUNTY
BUILDING COMMISSIONER IN ORDER
TO OBTAIN A BUILDING PERMIT

Roanoke Gas Co.
DB 439 Pg 137
Tax No. 38.16-1-4
Zoned C-2

REVISIONS	DATE
6	
5	
4	
3	
2	10/15/99
1	PER VDOT & COUNTY REVIEW
	PER COUNTY REVIEW
	07/03/99

DATE: APRIL 29, 1997
JOB No.: 970218
ACAD # 970218
SCALE: 1" = 40'
DRAWN BY: MMB
CHKD: WHH/RGL

-LANG-
engineering co.

MASTER ENGINEERING PLAN
PROPOSED WINN DIXIE
HOLLINS MAGISTERIAL DISTRICT
ROANOKE COUNTY, VA

SHEET NO. 2

5

OF

