QUANTITY					
ITEM	QUANTITY	UNIT	UNIT PRICE	COST	BONDABLE
CURB INLET DI-3B	3	EACH	2000.00	6000.00	
CURB INLET DI-3C	1	EACH	2500.00	2500.00	
CURB INLET DI-1PC (48" DIA BASE)	3	EACH	1250.00	3750.00	
CURB INLET DI-1PC (72" DIA BASE)	1	EACH	2000.00	2000.00	
CURB INLET DI-48	1	EACH	3000.00	3000.00	
DI-7, TYPE III GRATE	3	EACH	1250.00	3750.00	
15" CONCRETE PIPE, CLASS III	648	LIN. FT.			
18" CONCRETE PIPE, CLASS III		<del></del>	20.00	12960.00	
	160	LIN. FT.	24.00	3840.00	
24" CONCRETE PIPE, CLASS III	300	LIN. FT.	30.00	9000.00	
48" CMP	135	LIN. FT.	60.00	8100.00	
15" EW-1PC	3	EACH	750.00	2250.00	
24" EW-1PC	1	EACH	1000.00	1000.00	
STORM DRAIN MANHOLE (48" DIA BASE)	2	EACH	1750.00	3500.00	
CURB & GUTTER CG-6	2185	LIN. FT.	9.50	20757.50	
CURB CG-2	1570	LIN. FT.			
CONCRETE SIDEWALK			9.50	14915.00	
	6155	SQ. FT.	2.50	15387.50	
PAVEMENT-CAR PARKING TRAVEL AREA	9295	SQ. YD.	9.50	88302.50	
PAVEMENT-CONCRETE	2489	SQ. YD.	24.00	59736.00	
PAVEMENT-HEAVY TRAFFIC/TURN LANES & TAPER	4236	SQ. YD.	12.75	54009.00	
VDOT GR-2 GUARDRAIL	345	LIN. FT.	20.00	6900.00	
	***************************************				
18 IN. ROADWAY BORE (PLANTATION ROAD)	75	LIN. FT.	120.00	9000.00	
1 1/2-IN. WATER LINE	270	UN. FT.	6.00	1620.00	
12-IN. WATER LINE	400	LIN. FT.			
		· · · · · · · · · · · · · · · · · · ·	30.00	12000.00	
6-IN. WATER LINE	550	LIN. FT.	20.00	11000.00	
FIRE HYDRANT ASSEMBLIES	2	EACH	1650.00	3300.00	
12-IN. GATE VALVES, W/VAULT, FRAME & COVER	1	EACH	750.00	750.00	
6-IN. SANITARY SEWER	30	LIN. FT.	16.00	480.00	
8-IN. SANITARY SEWER	586	LIN. FT.	20.00	11720.00	
STANDARD MANHOLE W/FRAME & COVER	3	EACH	1500.00	4500.00	
	~	EXCIT	1300.00	4300.00	
AC DINT DI ANC	er er skulde mer fress merskelste er filmlen men men skriver besen skriver.	1			
AS-BUILT PLANS	1	LUMP SUM	2500.00	2500.00	
STORMWATER MANAGEMENT	1	LUMP SUM	11440.00	11440.00	
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SUB_TOTAL				389967.50	
				38996.75	
10% CONTINGENCY		,			•
10% CONTINGENCY ESTIMATED TOTAL				428964.25	

DATE: OCTOBER 15, 1997

SIGNED: RICHARD G. LANG

**GENERAL NOTES** 

All construction methods and materials shall conform to the Construction Standards and Specifications of Roanoke County and/or the Virginia Department of Transportation.

The contractor or developer is required to notify the Roanoke County Engineering Division in writing at least three (3) days prior to any construction, including, but not limited to the following:

- A. Installation of approved erosion control devices
- B. Clearing and grubbing C. Subgrade excavation
- D. Installing storm sewers or culverts
- E. Setting curb and gutter forms
- F. Placing curb and gutter
- G. Placing other concrete H. Placing gravel base
- 1. Placing any roadway surface J. Installing water lines

to any construction.

K. Installing sanitary sewer lines A pre-construction conference should be scheduled with the Roanoke County Engineering Division, to be held at least one (1) day prior

Measures to control erosion and siltation must be provided for prior to plan approval. Plan approval in now way relieves the developer or contractor of the responsibilities contained within the erosion and siltation control policies.

A permit must be obtained from the V.D.O.T. Residency Office, Roanoke County, prior to construction in the highway right-of-way.

Plan approval does not guarantee issuance of any permits by V.D.O.T.

An approved set of plans and all permits must be available at the construction site.

Field construction shall honor proposed drainage divides as shown

All unsuitable material shall be removed from the construction limits of the roadway before placing embankment.

CBR tests are to be performed by the engineer and submitted to V.D.O.T. and to the Roanoke County Engineering Division prior to placement. CBR values < 10 will require revised pavement sections.

Pavement sections on approved plans are based on a minimum CBR of 10.

All roadside ditches or grades of more than 5 percent shall be paved with cement concrete to the limits as indicated on the plans and as required at the field inspection.

Location of guard rails shall be determined at a joint field inspection by the County and V.D.O.T.

All springs shall be capped and piped to the nearest storm sewer or natural watercourse. The pipe shall be 6 inch minimum diameter and conform to V.D.O.T. Standard SB-1.

Standard street and traffic control signs shall be erected at each intersection by the developer prior to final street acceptance.

Construction debris shall be containerized in accordance with the

Virginia Litter Control Act. No less than one litter receptacle shall be provided on site. The contractor shall provide adequate means of cleaning mud from trucks and/or other equipment prior to entering public streets.

It is the contractors responsibility to insure that the streets are in a clean, mud and dust free condition at all times. The developer and/or contractor shall supply all utility companies

installation shall conform to approved plans. Contractors shall notify utilities of proposed construction at least two (2), but not more than ten (10) working days in advance. Area public utilities may be notified thru "Miss Utility": 1-800-552-7001.

with copies of approved plans, advising them that all grading and

The developer or contractor shall supply the county with correct As-Built plans before final acceptance.

All work shall be subject to inspection by Roanoke County and/or V.D.O.T. inspectors.

Field corrections shall be approved by the Roanoke County Engineering Division prior to such construction.

100 year floodway and floodplain information shall be shown where

Grade stakes shall be set for all curb and gutter, culvert, sanitary sewer and storm sewer.

### ZONING INFORMATION

Tract Size = 6.91 Acres

Building Coverage = 16%

Lot Coverage = 51%

Maximum Building Height = 37'

Parking Required: 36337 sq ft retail sales @ 1 space/200 sq ft = 13122 sq ft storage/mechanical @ 1 space/5000 sq ft = 3 spaces

185 spaces

Parking Provided = 219 Regular + 7 Handicap

Area Of Building = 49,459 sq ft

#### SURVEY INFORMATION

Horizontal and vertical control surveys were performed in (year) 1995 by JACK G. BESS, L.S.

All elevations must be referenced to the National Geodetic Vertical Datum of 1929.

Source of topographic mapping is <u>JACK G. BESS, L.S.</u> dated <u>DECEMBER 1995</u>

Boundary was performed by doted DECEMBER 1995

The professional seal and signature below certifies the boundary survey and topographic mapping to be accurate and correct.

JACK G. BESS, L.S.

PROFESSIONAL SEAL AND SIGNATURE

## WATER NOTES

A minimum cover of three (3) feet is required over proposed lines.

Contractor shall be responsible for locating and uncovering valve vaults after paving and adjustment to final grade if necessary.

All existing utilities may not be shown of may not be shown in the exact location. The contractor shall comply with the State Water Works Regulations, Section 12.05.03, where lines cross.

All trenches in existing or future highway right—of—ways shall be compacted according to V.D.O.T. standards.

Lines shall be staked prior to construction.

Water cost construction as per water construction standards.

Water main shall be minimum Class 52 Ductile Iron in accordance to AWWA C151 or DR-14 PVC in accordance with AWWA C-900.

Application for utilities to serve development reference number <u>96 - 107</u>

Water construction per Roanoke County Water and Sanitary Sewer Design and Construction Standards.

RICHARD B. LANG

NO. 1572**0** 

#### LEGEND

#### Property Line Right-of-way Centerline Minimum Building Line M.B.L. Existing Storm Sewer 18" S.D. \_\_\_\_\_18" S.D. \_\_\_\_\_ Existing Sanitary Sewer 8" SAN. 8" SAN. Existing Water Main Existing Contour Proposed Contour Proposed Drainage Divide Proposed Limits of Clearing ——— Proposed Storm Sewer Proposed Sanitary Sewer Proposed Water Main HYDRANT T-VALVE BLOWOFF-

#### SEWER NOTES

A minimum cover of three (3) feet is required over proposed lines.

Contractor shall be responsible for locating and uncovering all manholes after paving. Manhole tops shall be adjusted to grade if necessary.

All existing utilities may not be shown or may not be shown in the exact location. The contractor shall comply with State Water Works Regulations, Section 12.05.03, where lines cross.

House connections are to be made with 4" pipe installed at a minimum grade of 1/4 inch to 1 foot in R/W.

Laterals from manholes shall be PVC or Ductile Iron of sufficient length to provide two (2) feet of bearing on natural ground. The transition from ductile iron to asbestos cement or concrete pipe shall be made with an adapter coupling in R/W.

All trenches in existing or future right—of—ways shall be compacted according to V.D.O.T. standards.

Lines shall be staked prior to construction.

Sewer construction per Roanoke County Water and Sanitary Sewer Design and Construction Standards.

REVISED: 10/15/97 REVISED: 07/03/97

# COUNTY OF ROANOKE

NAME OF DEVELOPMENT	WINN	DIXIE	FOOD	STORE	
MAGISTERIAL DISTRICT(S)	HOLLINS				

OWNER/DEVELOPER, AM AWARE OF THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APP-LICABLE COUNTY CODES. I HEREBY CERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS, UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.

OWNER (name, address, telephone)

ZIMMER DEVELOPMENT COMPANY

111 PRINCESS STREET WILMINGTON, N.C. 28401 (910)763-4669

ZIMMER DEVELOPMENT COMPANY DEVELOPER (name, address, telephone) 111 PRINCESS STREET

WILMINGTON, N.C. 28401 (910)763-4669

LANG ENGINEERING COMPANY

ENGINEER, ARCHITECT OR SURVEYOR (name, address, telephone) 6711 PETERS CREEK ROAD P.O. BOX 7566 ROANOKE, VIRGINIA 24019 (540)366-4800

TAX MAP NO(S) 38.16 - 1 - 3.7

PARCEL NO(S)

ACAD # 970218C

SHEET 1 OF 5