QUANTITY  1 1680  1 1 245 8 22 0.55 0.55 0.55 1 1 200 750  98 622 5 2 321 333 440 1 1 3 1 1 1 1	LS EACH EACH LF EACH		\$1,274 \$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
1 245 8 22 0.55 0.55 0.55 1 200 750 98 622 5 2 321 333 440 1 3 1	LS. LF. EACH TON ACRE ACRE EACH LF.	\$5.00 \$2,500.00 \$3.00 \$500.00 \$35.00 \$2,500.00 \$10,000.00 \$6,000.00 \$2.50 \$3.00 \$13.00 \$25 00 \$1 200 00 \$10 000 \$12 000 00 \$1 200 00 \$1 200 00 \$1 200 00 \$1 200 00 \$1 200 00 \$1 200 00 \$1 200 00	\$2,500 \$735 \$4,000 \$770 \$1,375 \$5,500 \$6,000 \$500 \$2,250 \$1,274 \$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
1 245 8 22 0.55 0.55 0.55 1 200 750 98 622 5 2 321 333 440 1 3 1	L.S. L.F. EACH TON ACRE ACRE EACH L.F. L.F. L.F. L.F. L.F. L.F. L.F. EACH EACH L.F. L.F. L.F. L.F. L.F. L.F. L.F. L.F	\$2,500.00 \$3.00 \$500.00 \$35.00 \$2,500.00 \$10,000.00 \$6,000.00 \$2.50 \$3.00 \$13.00 \$2400.00 \$1 200.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00	\$2,500 \$735 \$4,000 \$770 \$1,375 \$5,500 \$6,000 \$500 \$2,250 \$1,274 \$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
8 22 0.55 0.55 1 200 750 98 622 5 2 321 333 440 1	L.F. EACH TON ACRE ACRE EACH L.F. L.F. L.F. L.F. L.F. EACH EACH L.F. L.F. L.F. L.F. L.F. L.F. L.F. L.F	\$3.00 \$500.00 \$35.00 \$2,500.00 \$10,000.00 \$6,000.00 \$2.50 \$3.00 \$13.00 \$25 00 \$1 200 00 \$10 00 \$10 00 \$1 200 00 \$1 800 00	\$735 \$4,000 \$770 \$1,375 \$5,500 \$6,000 \$500 \$2,250 \$1,274 \$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
8 22 0.55 0.55 1 200 750 98 622 5 2 321 333 440 1	L.F. EACH TON ACRE ACRE EACH L.F. L.F. L.F. L.F. L.F. EACH EACH L.F. L.F. L.F. L.F. L.F. L.F. L.F. L.F	\$3.00 \$500.00 \$35.00 \$2,500.00 \$10,000.00 \$6,000.00 \$2.50 \$3.00 \$13.00 \$25 00 \$1 200 00 \$10 00 \$10 00 \$1 200 00 \$1 800 00	\$735 \$4,000 \$770 \$1,375 \$5,500 \$6,000 \$500 \$2,250 \$1,274 \$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
8 22 0.55 0.55 1 200 750 98 622 5 2 321 333 440 1	EACH TON ACRE ACRE EACH L.F. L.F. L.F. L.F. L.F. L.F. L.F. L.F	\$500.00 \$35.00 \$2,500.00 \$10,000.00 \$6,000.00 \$2.50 \$3.00 \$13.00 \$25 00 \$1 200 00 \$10 00 \$12 00 00 \$12 00 00 \$13 00 00 \$13 00 00 \$13 00 00 \$13 00 00 \$13 00 00 \$13 00 00	\$4,000 \$770 \$1,375 \$5,500 \$6,000 \$500 \$2,250 \$1,274 \$15,550 \$12,000 \$2,400 \$2,400 \$10,000 \$10,000 \$3,600 \$1,800
22 0.55 0.55 1 200 750 98 622 5 2 321 333 440 1 3	TON ACRE ACRE EACH L.F. L.F. L.F. EACH EACH LF	\$35.00 \$2,500.00 \$10,000.00 \$6,000.00 \$2.50 \$3.00 \$13.00 \$25 00 \$1 200 00 \$1 200 00 \$10 00 00 \$1 200 00 \$1 800 00	\$770 \$1,375 \$5,500 \$6,000 \$500 \$2,250 \$1,274 \$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
0.55 0.55 1 200 750 98 622 5 2 321 333 440 1 3 1	ACRE ACRE EACH L.F. L.F. L.F. EACH EACH L.F. L.F EACH L.F. L.F L.F L.F L.F L.F L.F L.F L.F L.	\$2,500.00 \$10,000.00 \$6,000.00 \$2.50 \$3.00 \$13.00 \$25 00 \$2 400 00 \$1 200 00 \$10 00 \$10 00 \$1 200 00 \$1 800 00 \$1 800 00	\$1,375 \$5,500 \$6,000 \$500 \$2,250 \$1,274 \$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
0.55 1 200 750 98 622 5 2 321 333 440 1 3 1	ACRE EACH L.F. L.F. L.F. EACH EACH L.F. L.F. L.F. L.F. L.F. L.F. L.F. L.F	\$10,000.00 \$6,000.00 \$2.50 \$3.00 \$13.00 \$25.00 \$2.400.00 \$1 200.00 \$10.00 \$10.00 \$1.200.00 \$1.200.00 \$1.800.00	\$5,500 \$6,000 \$500 \$2,250 \$1,274 \$15,550 \$12,000 \$2,400 \$2,247 \$3,330 \$11,000 \$10,000 \$1,000 \$1,000
1 200 750 98 622 5 2 321 333 440 1	EACH L.F. L.F. L.F. EACH EACH L.F. L.F L.F L.F L.F L.F L.F L.F L.S EACH EACH EACH	\$6,000.00 \$2.50 \$3.00 \$13.00 \$25 00 \$2400 00 \$1 200 00 \$10 00 \$10 000 00 \$1 200 00 \$1 800 00	\$6,000 \$500 \$2,250 \$1,274 \$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
750 98 622 5 2 321 333 440 1 3	L.F. L.F. EACH EACH L.F. L.F. L.F. L.F. L.F. L.F. L.F. L.F	\$13.00 \$13.00 \$25 00 \$2 400 00 \$1 200 00 \$10 00 \$10 00 00 \$1 200 00 \$1 800 00	\$1,274 \$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
98 622 5 2 321 333 440 1	LF. LF EACH LF LF LF LS EACH EACH	\$13.00 \$25 00 \$2 400 00 \$1 200 00 \$10 00 \$25 00 \$10 000 00 \$1 200 00 \$1 800 00	\$1,274 \$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
98 622 5 2 321 333 440 1 3	LF EACH  LF LF LS EACH  EACH  LS EACH	\$25 00 \$2 400 00 \$1 200 00 \$1 200 00 \$10 000 00 \$1 200 00 \$1 800 00 \$25 00	\$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
321 333 440 1 3 1	LF EACH  LF LF LS EACH  EACH  LS EACH	\$25 00 \$2 400 00 \$1 200 00 \$1 200 00 \$10 000 00 \$1 200 00 \$1 800 00 \$25 00	\$15 550 \$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
321 333 440 1 3	EACH EACH  LF LF LS EACH EACH  LF EACH	\$2 400 00 \$1 200 00 \$7 00 \$10 00 \$25 00 \$10 000 00 \$1 200 00 \$1 800 00	\$12 000 \$2 400 \$2,247 \$3 330 \$11 000 \$10 000 \$3 600 \$1 800
321 333 440 1 3	EACH  LF  LF  LS  EACH  EACH  LF	\$1 200 00 \$7 00 \$10 00 \$25 00 \$10 000 00 \$1 200 00 \$1 800 00	\$2,247 \$3,330 \$11,000 \$10,000 \$3,600 \$1,800
321 333 440 1 3	LF LF LS EACH EACH	\$7 00 \$10 00 \$25 00 \$10 000 00 \$1 200 00 \$1 800 00	\$2,247 \$3 330 \$11 000 \$10 000 , \$3 600 \$1 800
333 440 1 3 1	LF LS EACH EACH LF EACH	\$10 00 \$25 00 \$10 000 00 \$1 200 00 \$1 800 00 \$25 00	\$3 330 \$11 000 \$10 000 , \$3 600 \$1 800
333 440 1 3 1	LF LS EACH EACH LF EACH	\$10 00 \$25 00 \$10 000 00 \$1 200 00 \$1 800 00 \$25 00	\$3 330 \$11 000 \$10 000 , \$3 600 \$1 800
440 1 3 1	LF LS EACH EACH LF EACH	\$25 00 \$10 000 00 \$1 200 00 \$1 800 00 \$25 00	\$11 000 \$10 000 \$3 600 \$1 800
1 3 1	LS EACH EACH LF EACH	\$10 000 00 \$1 200 00 \$1 800 00 \$25 00	\$10 000 , \$3 600 \$1 800
1 3 1 115 1 1	EACH EACH LF EACH	\$1 200 00 \$1 800 00 \$25 00	, \$3 600 \$1 800
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1	LS	\$6 000 00	\$6 00
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300	Lr	\$12.00	\$6 500
2153	SY	\$18 00	\$38 754
2270	SY	\$24 00	\$54 48
9		\$35 00	\$31
			\$5 96 \$20 58
			\$20 36 \$1 61
4			
6			
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4	<del></del>	\$300 00	\$1,20
2	EACH	\$253 00	<u> </u>
3			
4	EACH	\$270 00	\$1.10
38	EACH	\$17 48	\$66
9	EACH	\$33 35	\$30
114			<u> </u>
260	EACH	\$1 96	
6			
			\$17
3	EACH	\$149 50	
5500	SF	\$0 65	<u> </u>
150			
1	LS	\$650 00	\$65
			\$263 30
			\$26 33
			\$289,638
	2153 2270 9 2385 1470 2300 4 6 1 1 4 38 9 59 59 51 96 6 114 260 6 8 8 56 26 3	2153 S Y 2270 S Y 9 S Y 2385 S F 1470 L F 2300 L F 4 EACH 6 EACH 1 L S 4 EACH 3 EACH 3 EACH 3 EACH 59 EACH 59 EACH 51 EACH 51 EACH 6 EACH 114 EACH 6 EACH 114 EACH 6 EACH 114 EACH 114 EACH 114 EACH 114 EACH 114 EACH 115 EACH 115 EACH 116 EACH 117 EACH 117 EACH 118 EACH 119 EACH 119 EACH 110 EACH 111 EACH	500 LF \$13 00  2153 SY \$18 00  2270 SY \$24 00  9 SY \$35 00  2385 SF \$2 50  1470 LF \$14 00  2300 LF \$0 70  4 EACH \$100 00  6 EACH \$2 500 00  1 LS \$1 000 00  4 EACH \$300 00  4 EACH \$300 00  4 EACH \$300 00  4 EACH \$100 00  4 EACH \$300 00  4 EACH \$300 00  4 EACH \$300 00  4 EACH \$17 48  9 EACH \$33 35  59 EACH \$598  51 EACH \$17 48  96 EACH \$16 68  6 EACH \$16 68  6 EACH \$16 68  6 EACH \$17 48  96 EACH \$16 68  6 EACH \$17 48  96 EACH \$16 68  6 EACH \$16 68  6 EACH \$16 68  6 EACH \$17 94  260 EACH \$17 94  26 EACH \$17 94

7/7/06

**GENERAL NOTES** 

All construction methods and materials shall conform to the Construction Standards and Specifications of Roanoke County and/or the Western Virginia Water Authority and 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 I. Placing any roadway surface
- J. installing water lines 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 prior to plan approval. Plan approval in no 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.

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

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 VDOT Standard SB-1

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

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

The developer or contractor shall supply the County and the Western Virginia Water Authority with correct As—Built plans before final acceptance

All work shall be subject to inspection by Roanoke County, the Western Virginia Water Authority and VDOT inspectors

Field corrections shall be approved by the Roanoke County Engineering Division and/or the Western Virginia Water Authority prior to such construction

100 year floodway and floodplain information shall be shown where applicable

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

Landscape Details

Drawing

General

Civil

C1 1 C2 1 C3 1

C4 2 C5 1 C5 2 C5 3

C5 4

L1 1 L2 1

L31

## **SEWER NOTES**

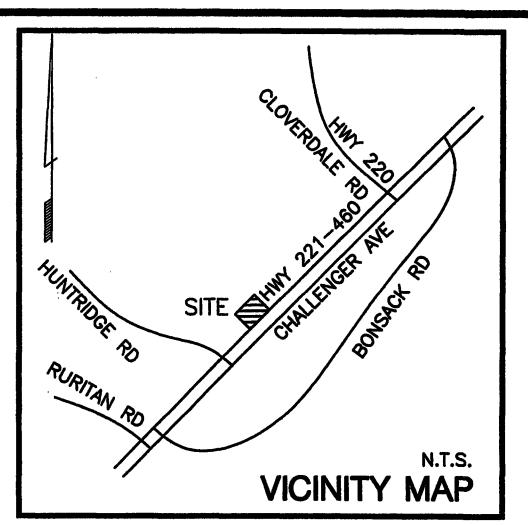
All sanitary sewer facilities shall be installed according to the Western Virginia Water Authority Design and Construction Standards. (Latest Edition).

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 their exact location. The contractor shall comply with (State Water Works Regulations, Section 12.05.03, where lines cross.)

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

Lines shall be staked prior to construction.



## **WATER NOTES**

All water facilities shall be installed according to the Western Virginia Water Authority Design and Construction Standards/ (Latest Edition).

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 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 main shall be minimum Class 350 Ductile Iron in accordance to AWWA C151 or DR-14 PVC in accordance with AWWA C-900.

**LEGEND** 

Ductile Iron Pipe in accordance with the Western Virginia Water Authority Design and Construction Standards shall be required for all pipe with a working pressure equal to or greater than 100 p.s.i.

Availability letter number

Property Line

**Existing Contour** 

## SURVEY INFORMATION

Horizor by	ntal and DEWI	vertical BERRY &	control	surveys INC.	were	performed	in	(year)	2005
- ,									

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

DEWBERRY & DAVIS. INC.

DEWBERRY & DAVIS. INC.

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

No. 034285 7/7/06

DEVELOPMENT PLAN APPROVED FOR CONSTRUCTION BY ROANOKE COUNTY Planning & Zoning

AFPROVED BY ROANOKE COUNT THIS PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL

ONLY

7/10/0/OPROFESSIONAL ENGINEER

## COUNTY OF ROANOKE

naex 	
Cover Sheet	
Survey / Existing Conditions Plan Site Improvement Plan Site Grading and Paving Plan Site Erosion & Sediment Control Plan Site Utility Plan Stormdrain Profile Site Details Site Details Erosion and Sediment Control Details Erosion and Sediment Control Details Landscape Plan Irrigation Plan	

	Vennis Missen
NAME OF DEVELOPMENT APPLEBEE'S OF ROANOKE VIRGINIA	OWNER/DEVELOPER, AM AWARE OF THE SHE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APP-
MAGISTERIAL DISTRICT(S) HOLLINS	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)  APPLEBEE'S INTERNATIONAL, INC. DENNIS HAWLEY (913) 967- 4551 WEST 107th STREET SUITE 100. OVERLAND PARK, KANSAS 6207	7—8956, FAX (913) 967—8103
APPLEBEE'S INTERNATIONAL, INC. DENNIS HAWLEY (913) 967-	7-8956

AS - BUILT DEVELOPER (name, address, telephone) SUITE 100. OVERLAND PARK, KANSAS 6207 11/06/2006 DEWBERRY & DAVIS INC. BRIAN BRADNER (434) 797-4497, FAX (434) 797-4341 551 PINEY FOREST ROAD ENGINEER. ARCHITECT OR SURVEYOR (name, address, telephone)

PO BOX 1509, DANVILLE, VIRGINIA 24540 WVWA ID# 6PAL88 PARCEL NO(S) TAX MAP NO(S) BLOCK NO(S)