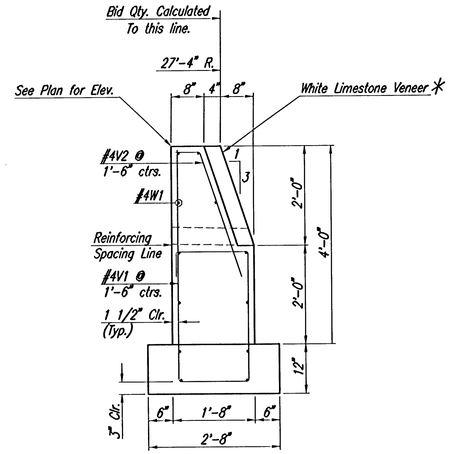
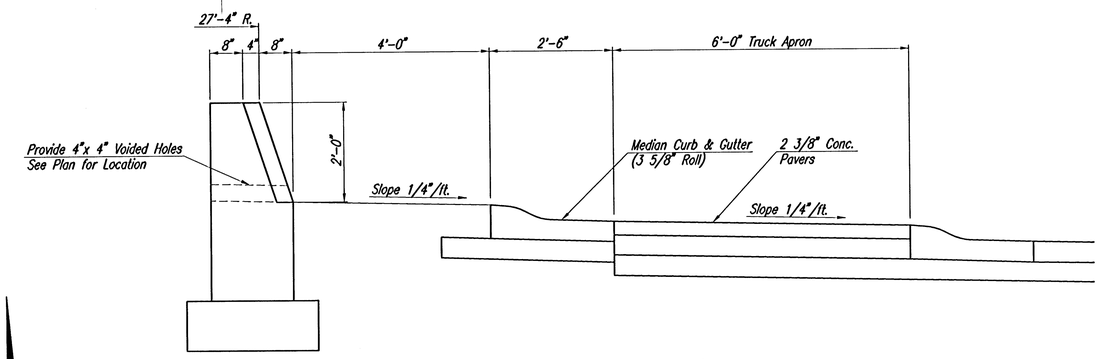
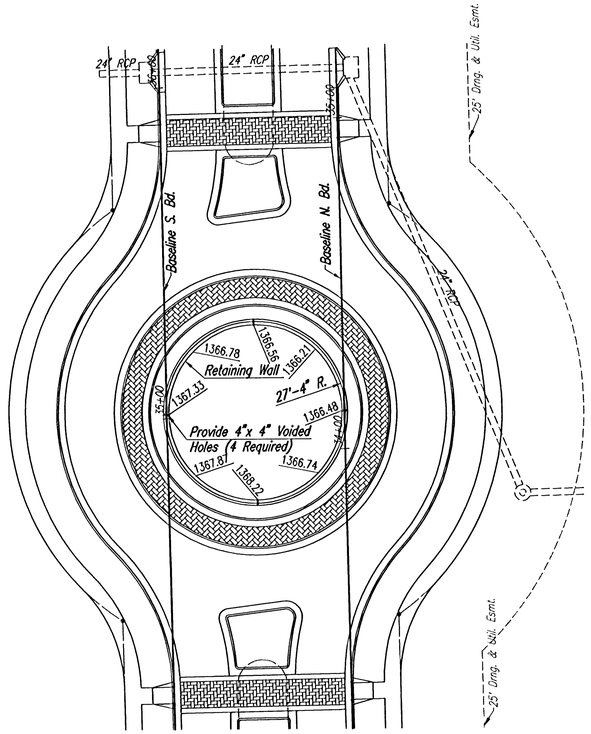


RETAINING WALL SECTION



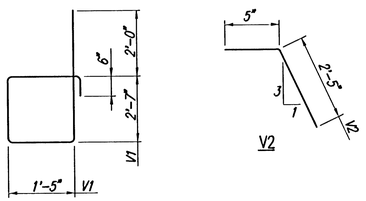
PARTIAL SECTION THRU ROUNDABOUT

* Attach White Limestone Veneer to Concrete Wall using Dur-O-Wall Anchors D/A 5431 or approved equal. Spa. @ 16" ctrs.



RETAINING WALL PLAN

SCALE: 1"=20'



BENDING DIAGRAMS

All Dimensions are out to out of bars.

REINFORCING STEEL							
	Straight Bars				Bent Bars			
	Mark	Size	Number	Length	Mark	Size	Number	Length
**	W1	#4	60	36'-3"	V1	#4	112	10'-6"
					V2	#4	112	2'-10"

SUMMARY OF QUANTITIES	
Concrete (Class AAA)	50.7 C.Y.
Reinforcing Steel (GR. 60)	2,450 Lbs.
Stone Masonry Facing	362 S.F.
Class III Excavation	126 C.Y.

Min. Lap for #4=16"
** Bend Radial Bars in Field

GENERAL NOTES

1. Concrete shall have a minimum 28-day compressive strength of 4,000 psi. Bevel all exposed edges with a 3/4" triangular molding or finish with an approved edging tool.
2. All reinforcing steel dimensions are to the centerline of bars unless otherwise noted. All reinforcing steel shall conform to the requirements of ASTM A615, Grade 60.
3. White Limestone veneer to be by Born Stone Company, Wichita, KS. (316-838-7788) or approved equal. The color of the Limestone should be coordinated with the color of the brick street near the Roundabout. The color will be approved by the Engineer.
4. Retaining walls shall be paid for at the unit price bid per lineal foot of "R.C. Retaining Wall", which shall include concrete, reinforcing steel, structural steel, excavation, forming, backfilling, limestone veneer (including attachments, mortar, and incidentals), and all other miscellaneous materials, labor, tools, equipment and incidentals necessary to complete the work.

BRIAN D. BOUTWELL LICENSED PROFESSIONAL ENGINEER 10889 STATE OF KANSAS
8/23/05

No.	Revision	By	Date

OAK CREEK - PHASE 1

ROUNDABOUT MISCELLANEOUS DETAILS

JAMES L. ARMOUR, P.E.- CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-84209

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	BDB, BLB, RAS	Job No.	35-04688-000	Sheet 20 of 86
Drawn by	BJS	Date	October 2004	

DSNR: BLB OPER: BJS SCALE: 1=20.00
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