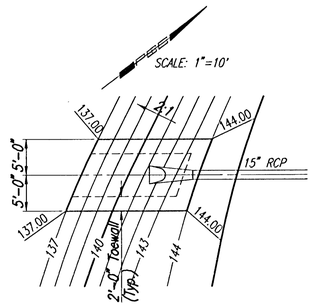
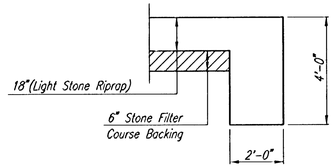


RIPRAP PLAN

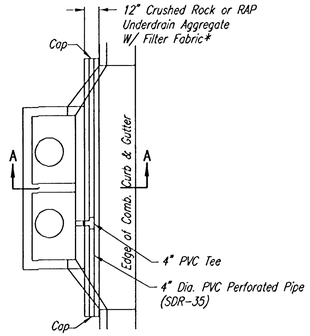


TYPICAL SECTION THRU TOEWALL

NO SCALE

NOTES

1. ALL RIPRAP FOR THIS PROJECT SHALL BE NATURAL STONE. NEITHER BROKEN CONCRETE, FABRIC ENVELOPE, NOR PREMIXED DRY PACKAGED CONCRETE BAG ALTERNATES WILL BE ALLOWED.
2. TOEWALLS SHALL BE INSTALLED ALONG ALL EDGES OF STONE RIPRAP.
3. GROUTING OF THE SURFACE OF THE RIPRAP SHALL NOT BE PERFORMED. GROUTING OF THE TOEWALLS SHALL BE PERFORMED PER CITY SPECIFICATIONS.
4. DEPTH OF TOEWALL SHALL NOT BE DEEPER THAN THE POND FLOOR (ELEVATION 137.0).



PLAN

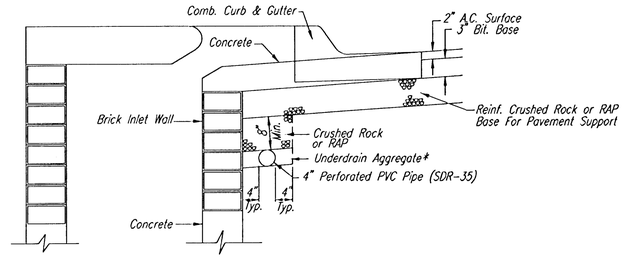
* UNDERDRAIN AGGREGATE
PERCENT OF AGGREGATE RETAINED

1"	0
3/4"	0-10
3/8"	45-80
#4	90-100
#8	95-100

ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I.

PAVEMENT UNDERDRAIN LOCATIONS

STREET	STATION	SIDE
PALMETTO CIRCLE	70+96.24 (Extended)	RT.



Min. 16 Perforations Per Lin. Ft. @ 1/4" Dia.
Perforations To Be on Bottom Half

SECTION A-A

PAVEMENT UNDERDRAIN DETAIL

NOTE: PLACE 4" PVC PERFORATED PIPE AT ALL DRAINAGE SUMP LOCATIONS.

COST OF UNDERDRAIN SYSTEM TO BE INCIDENTAL TO THE REINFORCED CRUSHED ROCK OR REINFORCED RECYCLED ASPHALT PAVEMENT (RAP) BASE.

INLET TYPE MAY VARY FROM THAT SHOWN.

02 OCT 06
RECORD DRAWING

BRIAN D. BOUTWELL LICENSED 10889 PROFESSIONAL ENGINEER
6-15-05

No.	Revision	By	Date

AVALON PARK-PHASE 3

MISCELLANEOUS DRAINAGE DETAILS

JAMES L. ARMOUR, P.E.-CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-83837

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

Designed by	BDB, BLB	Job No.	35-05160-000	Sht. 11 of 19
Drawn by	BJS	Date	February 2005	

DSNR: BLB OPER: BJS SCALE: 1=10.00
Q:\2005\05160\000\05160-000-C-MISC DRAINAGE DETAILS 06-13-2005 01:35:23 pm