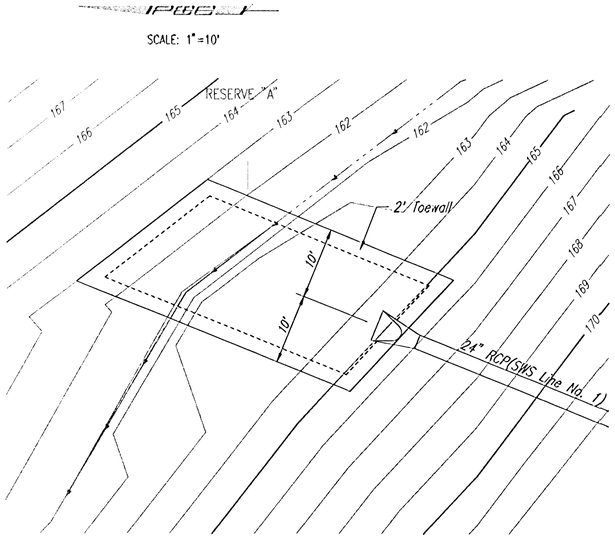
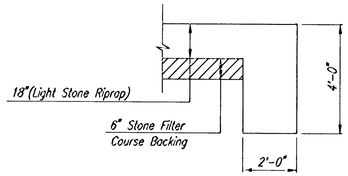
PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83382	11	33



SCALE: 1"=10'

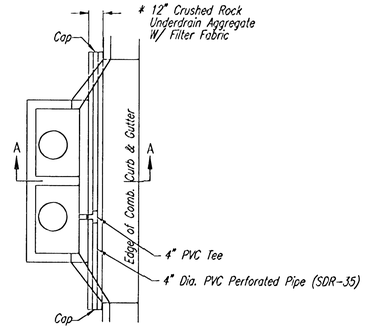


TYPICAL SECTION THRU TOEWALL

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.



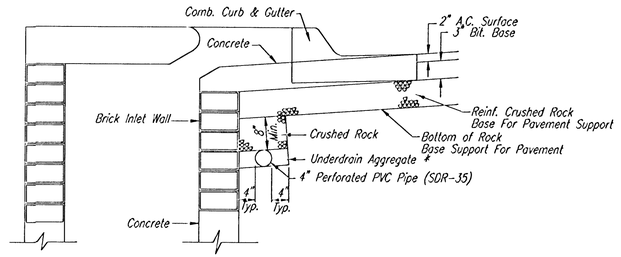
PLAN

* 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
PEMBROOK PLACE	13+15	LT. & RT.
PEMBROOK PLACE	13+21.4	LT.
PEMBROOK	20+25	LT. & RT.



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

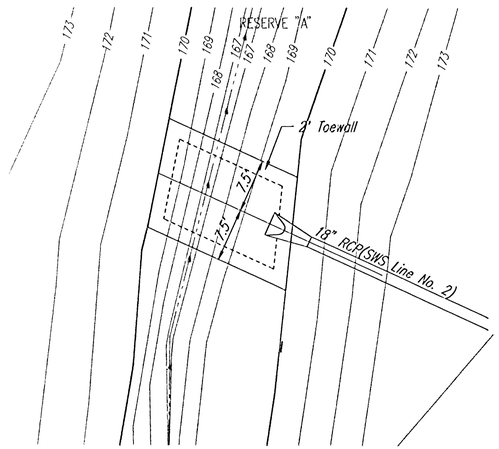
SECTION A-A

PAVEMENT UNDERDRAIN DETAIL

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

COST OF UNDERDRAIN SYSTEM TO BE INCIDENTAL TO THE REINFORCED CRUSHED ROCK BASE.

INLET TYPE MAY VARY FROM THAT SHOWN.



SCALE: 1"=10'

DSNR: GDD OPER: DEP SCALE: 1=10.00
Q:\2001\01256\001\MISCDTL 08-29-2001 02:44:46 pm

THE COURTS II

MISCELLANEOUS DRAINAGE DETAILS

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

Designed by	BER	Checked by	
Drawn by	DEP	Date JULY, 2001	Job No. 01256