SCALE 1" = 20'

DWS=120.00
BOTTOM OF LAKE=
123.00

Edge of water 3

BLDG. 6

BLDG. 4

BLDG. 8

CLUB HOUSE

300E

200E

100E

246.5' 22.5° E.
Sta 0+90
18" RCP

270.5' 44° E.
Sta 1+82.50 18" RCP

Install 17# 18" RCP
Install 18" (Type I)
End Sections @
E & W Ends

3-7'x2'x32' RCB
EXIST. ℄ = 123.27

℄ RIDGE ROAD

100S 200S 300S

A/1 SECTION THRU LAKE

Edge of Bldg.
130.4 Var
3:1
DWS=126.00
1' Gravel Fill
6" earth cover
Bottom of Lake=123.00
1' Earth cover
For Anchor Detail see 1/1
Flexible liner
Compact earth subgrade

General Notes

Flexible membrane shall be a vinyl (PVC) liner 30 mil thick 1.30 lbs/sq. yd. 4 Gauge minimum as manufactured from cold-applied vinyl to fit conditions as shall be used to seal factory fabricated panels of PVC together in field. The membrane liner shall be joined to the RCP with a vinyl to concrete adhesive.
A bentonite sealer may be used in lieu of the membrane liner. Bentonite shall be applied at a rate of 1 lbs. sq ft and shall be raked or disced into place a minimum of 6 inches in depth.

2' Min
DWS.
Gravel fill
Membrane Liner
6" earth cover
Compacted earth subgrade
1/1 MEMBRANE ANCHOR DETAIL

For Anchor Detail see 2/1
130
1' Gravel fill
6" earth cover
DWS=126.00
125
123.00
Flexible liner
120
Compact earth subgrade
0+00 +50 1+00 +50

B/1 SECTION THRU R.C.P

Scale 1"=200'

NOTE: 000 S & 000 E = ℄ Ridge Rd. & N. Prop. Line extended

VICINITY MAP

2" Sand bed required
6" Earth Backfill
3"
8"
6" 36" Min 6"

C/1 18" R.C.P CONCRETE ENCASEMENT

PIPE: Class III R.C.P.
CONCRETE: fc' = 5000 psi.

DWS.
Seal membrane liner to 18" R.C.P. to insure water tightness

BOTTENBERG
Apts.
Storm Water Sewer
Private Project

PROFESSIONAL ENGINEERING CONSULTANTS
ENGINEERS
WICHITA, KANSAS