VILLAGE "E"

S89° 26'28"E 529.98'

N88° 58'04"W 870.65'

N22° 31'55"E 108.19'

R=470.00'

34.36'

S17° 21'02"E

368.49'

1.81 AC

1.55 AC

1.28 AC

5.14 AC

Area to Silt. Basin E

Scale in Feet
1" = 50'

0 50 100

N

THORNRIDGE DRIVE

THORNRIDGE PLACE

TIMBER MEADOWS PARKWAY

FORMERLY FRANK ROAD (60' W.)

CHESTNUT HILL

COMMON GROUND

DETENTION BASIN

Existing Temporary Esmt. to be Released upon completion of construction

SILTATION CONTROL (TYPE AS DETERMINED BY CITY OF O'FALLON)

Tributary A as designated on the "Wetlands and Creeks Master Plan" prepared by Kuhlmann Design Group.

60' W. DRAINAGE EASEMENT DEDICATED TO CITY OF O'FALLON

50' Wide Undisturbed Buffer about Tributary A

15' W. LANDSCAPE EASEMENT

25' BUILDING LINE

Outlet Pipe Sed. Detail

60"-24" R.C.P.

30" Standpipe Siltation Basin "E"

Property n/f of Loraine Sifen Bk 382 Pg 288 Zoned R-1E

Property n/f of Melinda Schroeder Bk 354 Pg 20 Zoned R-1E

Property n/f of B. & Carol A. Blumbaugh Bk 628 Pg 277 Zoned R-1E

Property n/f of Nancy Wilber Pg 1666 R-1E

n/f of de Benjamin R-1E

n/f of Trustees Pg 533

Siltation Basin "E"

Cross-section view:

30" Perforated C.M.P. Riser with Trash Guard

Top Dam 596.0

Compacted Earth Fill

50M.O. Emergency Spillway

3'-2' min.

Do not construct on fill material.

Temporary Detention Storage

Sediment Storage

Ground Bottom 576.80

Top 580.0

3:1 Slope

Anti-seep Collar(s)

60' 24" RCP @ 100%

Principal Spillway Outer Pipe

Core Trench (width: minimum 8 ft. depth: to impervious layer

Stable Outlet

Staked Straw Bales at end of outlet

** Retention basin construction is identical with principal spillway pipe installed at an elevation that allows additional water storage.

View looking uphill:

EMERGENCY SPILLWAY

DAM 596.0

HILL

PIPE OUTLET

STABLE OUTLET

STRAW BALE DETAIL

STRAW BALES PLACED END TO END (SEE PLAN FOR LOCATION)

EXISTING GROUND

STAKE STRAW BALES IN PLACE WITH 4' LONG 1"x2" WOOD STAKES (2 PER BALE)

NOTE: DEVELOPER SHALL BE RESPONSIBLE TO MAINTAIN ALL SILTATION CONTROL DEVICES DURING CONSTRUCTION PERIOD. (ADDITIONAL SILTATION CONTROL DEVICES MAY BE REQUIRED AS DIRECTED BY THE CITY OF O'FALLON)

NTS

ENVIRO-FENCE DETAIL

5' HIGH METAL POST WITH SPADE TYPE BASE

6'X2'X6'/10X10 GAGE WELDED WIRE FABRIC OVER WHICH GEOTEXTILE FABRIC IS ATTACHED. SUPPLIER IS A.S.P. ENTERPRISES, INC. 1546 FENPARK DR., FENTON, MO. 63026. (314) 343-4357.

TOE END AND BACKFILL

NTS

EARTHWORK CALCULATIONS FOR VILLAGE E

CUT	FILL
38,840 c.y.	14,274 c.y.
	+ 1,977 c.y. (13.85% Shrinkage)
	16,251 c.y.

EXCESS YARDAGE 22,584 Cu. YdS. TO BE HAULED TO VILLAGE U & COMMERCIAL SITE

The underground utilities shown herein were plotted from available information and do not necessarily reflect the actual existance, or nonexistance, size, type, number, or location of these or other utilities. The general contractor shall be responsible for verifying the actual location of all underground utilities in the field, shown or not shown, prior to any grading, excavation, or construction of improvements. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMo.

N:\Projects\05200\PHASE1\SITEBAS.DGN

WINGHAVEN RESIDENTIAL L.L.C.
**1 MCBRIDE & SON CORPORATE CENTER DRIVE
ST. LOUIS, MISSOURI 63005
PHONE (314) 537-2000

VOLZ

ELMER T. VOLZ JR. NUMBER E-2496 REGISTERED LAND SURVEYOR STATE OF MISSOURI

WINGHAVEN

VILLAGE "E" GRADING PLAN

Design By: R.L.M.
Drawn By: M.E.K.
Checked By: E.A.K.
B-5500

05-20-98

04