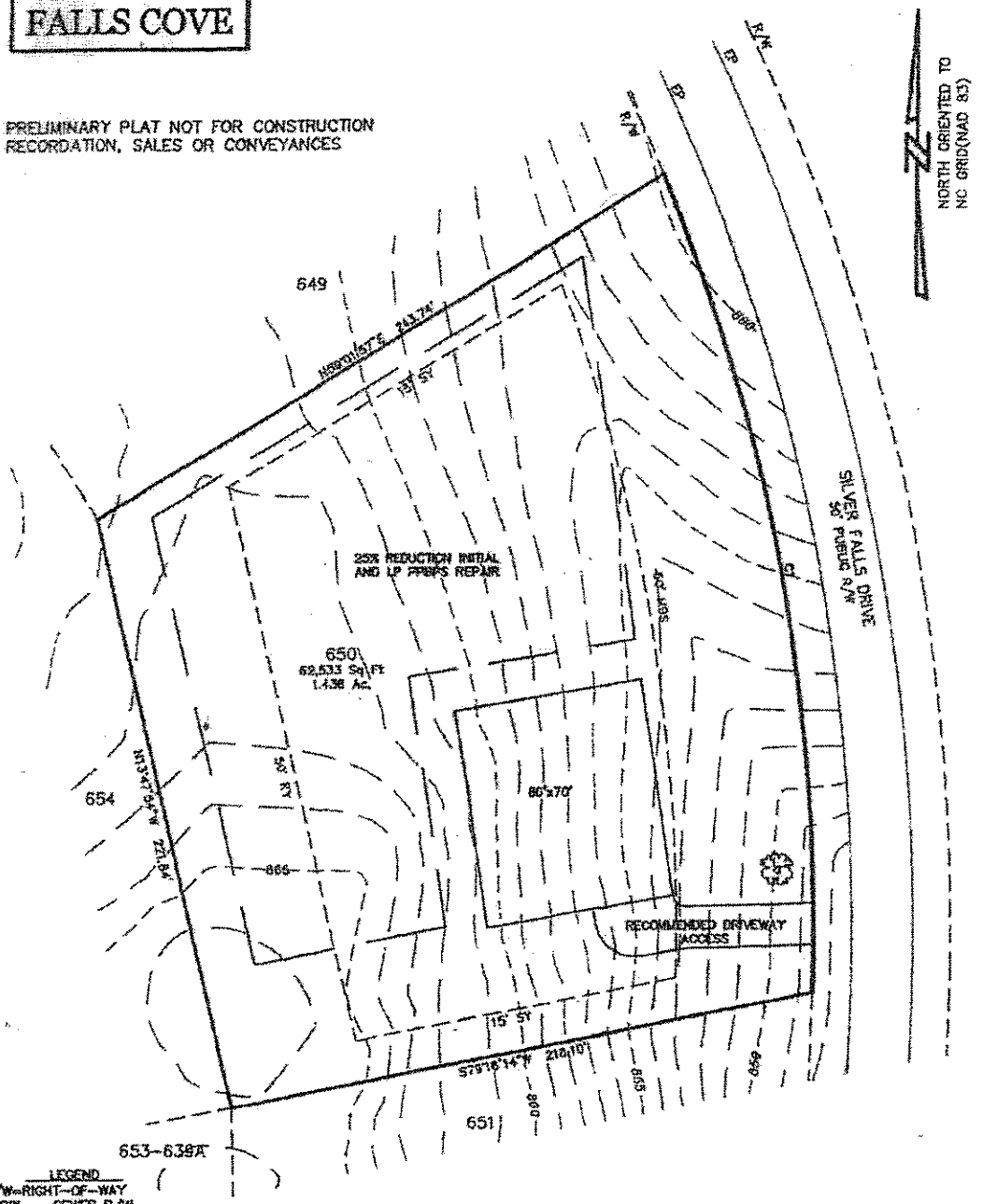
REVISED 6-04-07 DRIVEWAY PIPE LOCATION NOTE

DRIVEWAY PIPES LOCATION, GRADE, AND SIZE (MINIMUM 18") ARE TO BE APPROVED BY THE FALLS COVE ARCHITECTURAL CONTRO COMMITTEE PRIOR TO CONSTRUCTION.

EROSION CONTROL PROCEDURES NEED TO BE APPROVED BY THE ACC PRIOR TO CONSTRUCTION.

FALLS COVE

PRELIMINARY PLAT NOT FOR CONSTRUCTION
RECORDATION, SALES OR CONVEYANCES



LEGEND
R/W=RIGHT-OF-WAY
SSRW = SEWER R/W
MBS = MINIMUM BUILDING SETBACK
SY = SIDE YARD
RY = REAR YARD
PDE = PUBLIC DRAINAGE EASEMENT
FPE = FLOOD PROTECTION ELEVATION
PSDE =PERMANENT STORM DRAINAGE EASEMENT
EP = EDGE OF PAVEMENT

= QUERCUS SHUMARDII

= DIRECTION OF DRAINAGE FLOW

CONTOURS TAKEN FROM AERIEL-NOT FIELD VERIFIED BY ESP ASSOCIATES.

STREET TREES TO BE PLANTED OUTSIDE OF R/W

CURVE TABLE					
CURVE	RADIUS	LENGTH	BEARING	CHORD	DELTA
C1	725.00'	308.28'	S10°58'12"E	305.96'	24°21'47"

FALLS COVE--PARKWOOD PHASE 6 LOT 650

SILVER FALLS DRIVE

1.436 Ac. 62,533 Sq Ft

WOODED

1"=50'

05/07/07

ESP

ESP Associates, P.A.
P.O. Box 7030
Charlotte, NC 28241
3475 Lakemont Blvd.
Fort Mill, SC 29708
704-583-4949 (NC)
803-802-2440 (SC)

PW6NR650

BAR SCALE 1"=50'
0 25 50 100

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	Repair	Pink	LP PPBPS	70	3.0
2	Repair	White	LP PPBPS	75	
3	Repair	Blue	LP PPBPS	85	
4	Repair	Red	LP PPBPS	85	
5	System	Pink	25% Reduction	95 endfed	
6	System	Blue	25% Reduction	100 endfed	
7	System	White	25% Reduction	105 endfed	
8	System	Orange	25% Reduction	100 endfed	
				Total System: 400'	
				Total Repair: 315'	

Tank	Red	1500 gal (2 compartment)	8.0
Pump Tank	Red	1500 gal.	
House	Blue		

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	4
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

Note: **Keep Lines 15 ft from retaining wall**
Divert surface water away from tanks

Lot 650 Parkwood Subdivision Fast Track

Number of Bedrooms	**4**
Basement or Crawl	**Concrete Slab**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Trench Depth (low side)	36"
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	35' of 2" SCH 40 PVC
Flow Rate through the system	22 gpm
Elevation head	Approx. 11'
Pressure head	2.0'
Friction head	1.0'
20% Contingency	2.8'
Total Head	16.8'
Pump Requirements	22 gpm @ 16.8' of head To be designed by installer.
Maximum Dosing Volume	240 gal -2.0 doses/day @ design flow
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx.10.9 min.
Repair System	**LP PPBPS**
Total Linear Feet	315
Repair Loading Rate	0.3