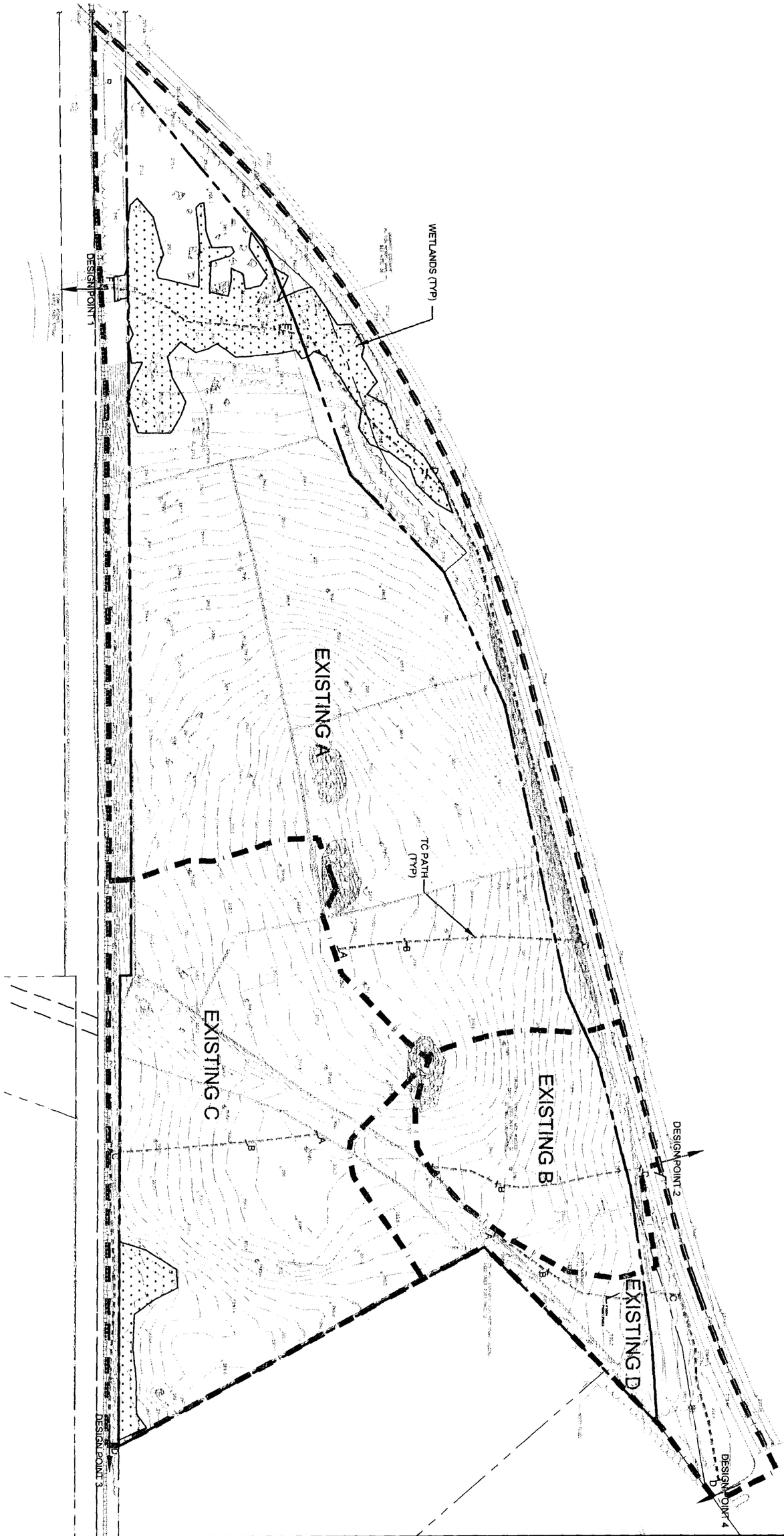
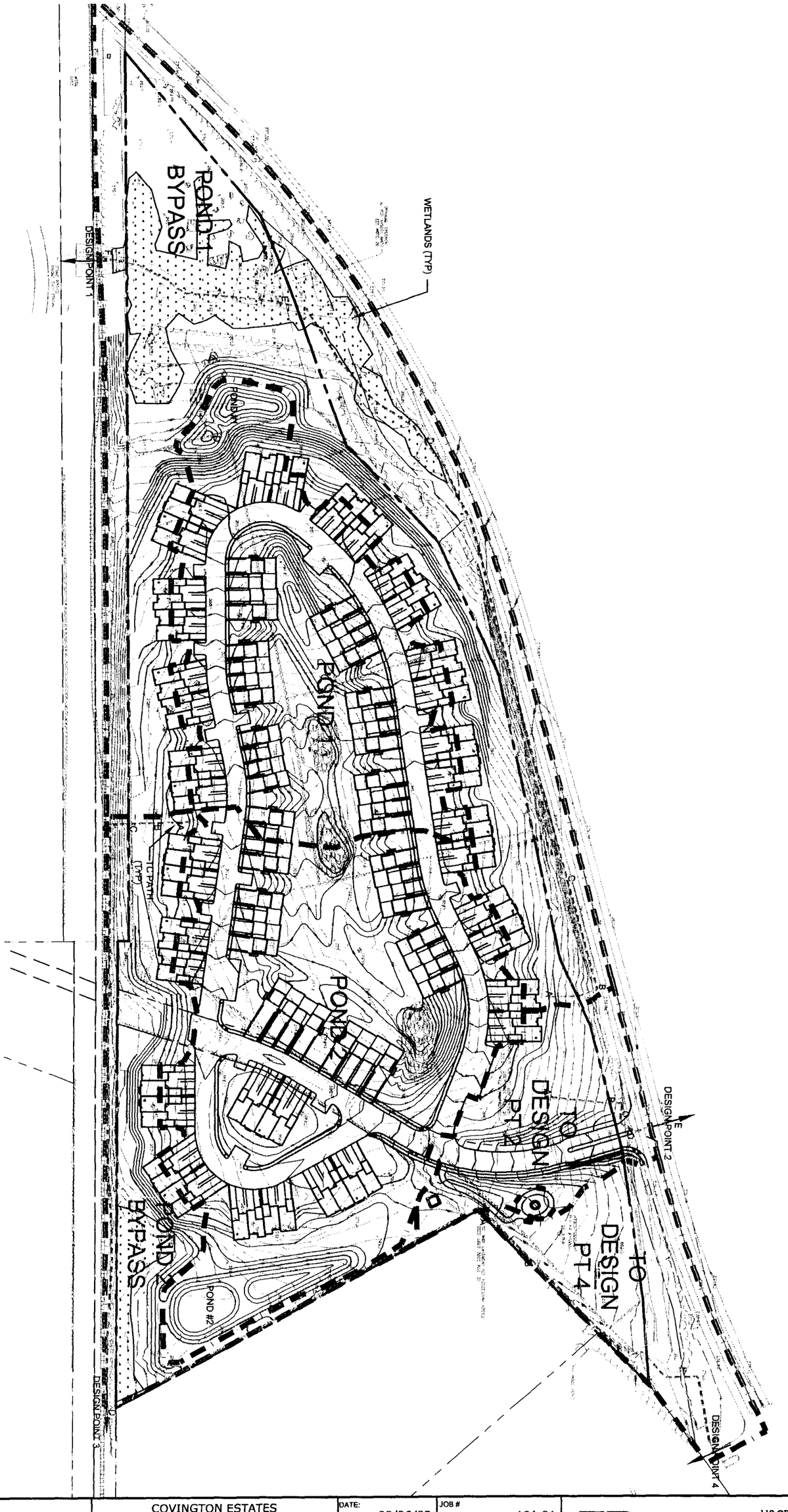
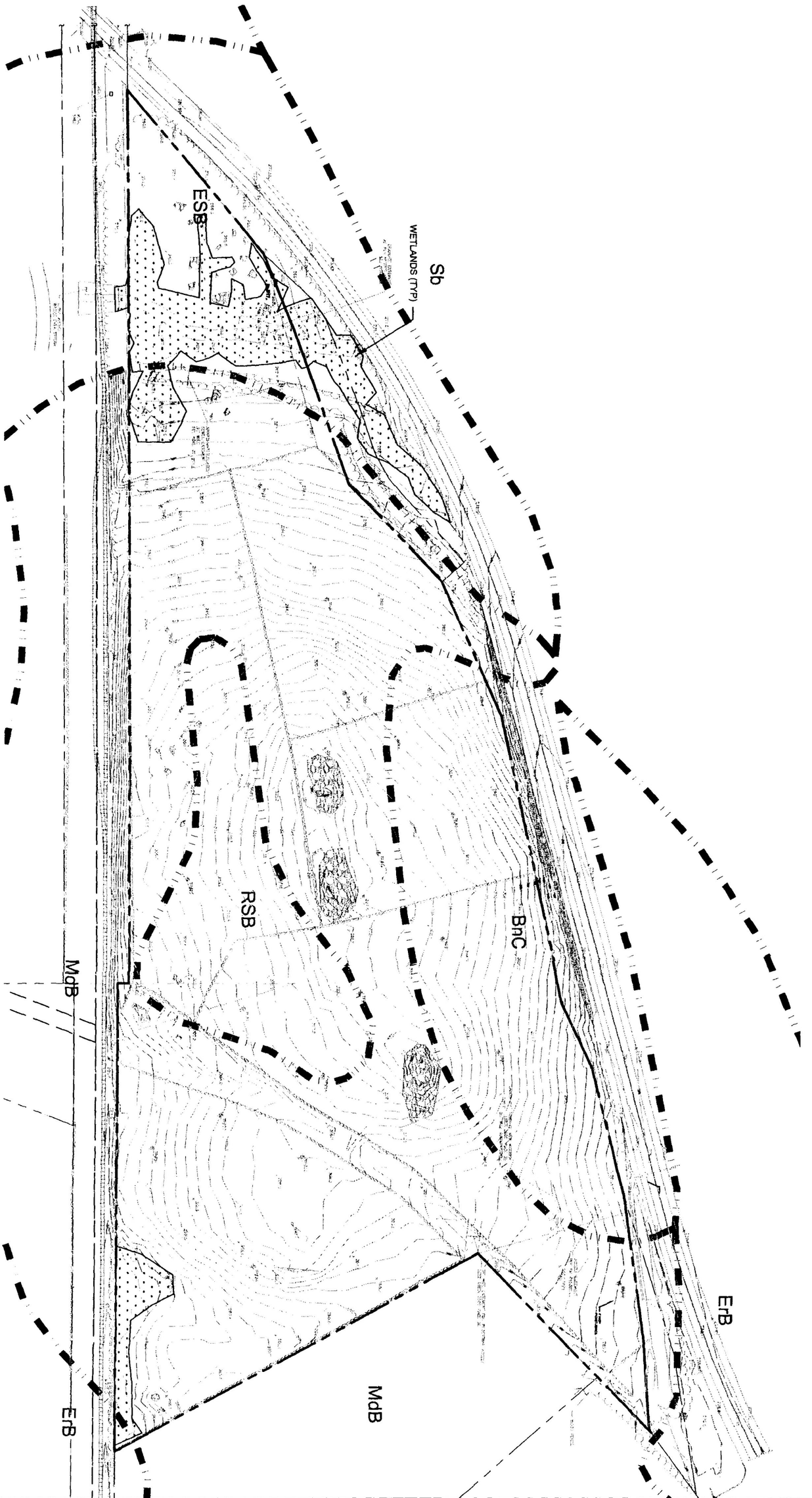


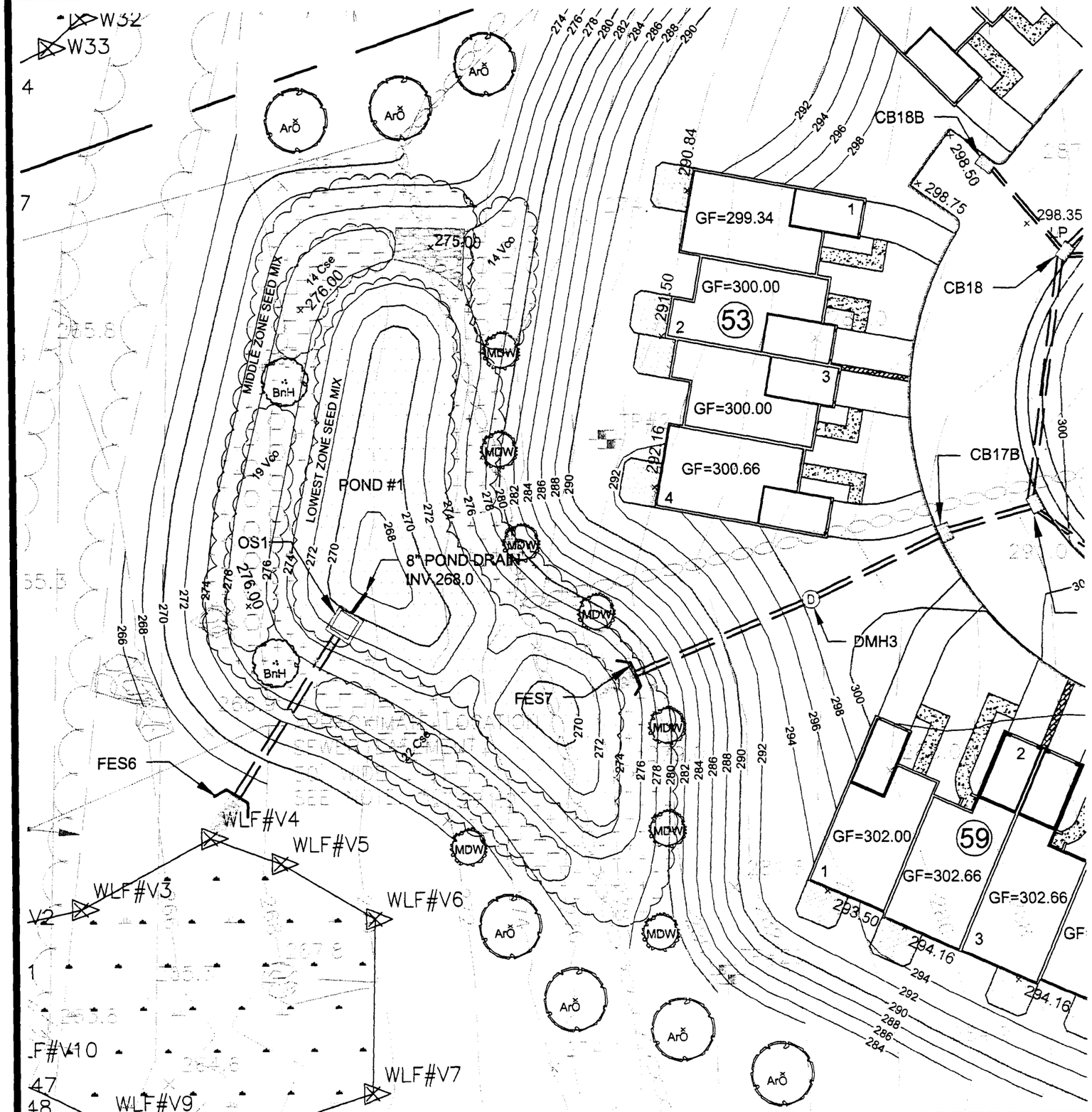
EXISTING DRAINAGE AREAS	COVINGTON ESTATES NYS ROUTE 300 TOWN OF NEW WINDSOR ORANGE COUNTY, NEW YORK	DATE: 02/26/03 SCALE: 1"=150	JOB # 101.01 SHEET # FIGURE 2	EP ENGINEERING PROPERTIES, PC 110 ORANGE AVE. WALDEN, NY 12586 Ph: (845) 778-4313 Fx: (845) 778-4669



PROPOSED DRAINAGE AREAS	COVINGTON ESTATES NYS ROUTE 300 TOWN OF NEW WINDSOR ORANGE COUNTY, NEW YORK	DATE: 02/26/03	JOB # 101.01	EP ENGINEERING PROPERTIES, PC	110 ORANGE AVE. WALDEN, NY 12586 Ph: (845) 778-4313 Fx: (845) 778-4669
		SCALE: 1"=150	SHEET # FIGURE 3		



SOILS MAP	COVINGTON ESTATES NYS ROUTE 300 TOWN OF NEW WINDSOR ORANGE COUNTY, NEW YORK	DATE: 02/26/03 SCALE: 1"=150	JOB # 101.01 SHEET # FIGURE 4	EP ENGINEERING PROPERTIES, PC 110 ORANGE AVE. WALDEN, NY 12586 Ph: (845) 778-4313 Fx: (845) 778-4669



POND ELEVATIONS

MEASUREMENT	ELEVATION
POND BOTTOM	268.00
TOP OF BERM	276.00
PERMANENT WATER ELEVATION	271.50
WATER QUALITY VOLUME (WQv)	272.78
CHANNEL PROTECTION VOLUME (Cpv)	273.01
OVERBANK FLOOD PROTECTION CRITERIA (Qp)	274.28
EXTREME FLOOD CRITERIA (Qf)	274.95

OUTLET STRUCTURE

OUTLET BOX SIZE	4.1' X 3.8'
TOP OF RISER ELEV	275.0
ORIFICE 1 ELEV	271.50
ORIFICE 1 Ø	12" Ø
# OF ORIFICE(S)	1
WEIR 1 TYPE	RECTANGULAR
WEIR ELEV	273.25
WEIR LENGTH	2'
OUTLET PIPE Ø	24" Ø
OUTLET PIPE ELEV	267.90
EMERGENCY SPILLWAY LENGTH	20 LF
ELEVATION	275.00

POND 1 LANDSCAPING PLANT LIST

SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
TREES					
ArO	7	Acer rubrum October Glory	October Glory Red Maple	2 - 2½"	
BnH	2	Betula nigra Heritage	Heritage River Birch	8 - 10'	
MDW	8	Malus Donald Wyman	Donald Wyman Crabapple	2 - 2½"	
SHRUBS					
Cse	36	Cornus sericea	Redtwig Dogwood	18 - 24"	5' o.c.
Vco	33	Vaccinum corymbosum	Blueberry	18 - 24"	6' o.c.

SEED MIXTURES

LOWEST ZONE	RETENTION BASIN FLOOR SEED MIX, ERNM - 127. SOW RATE: 20 LBS PER ACRE
MIDDLE ZONE	FLOOD PLAIN WILDLIFE MIX, ERNM - 154. SOW RATE: 15 LBS PER ACRE

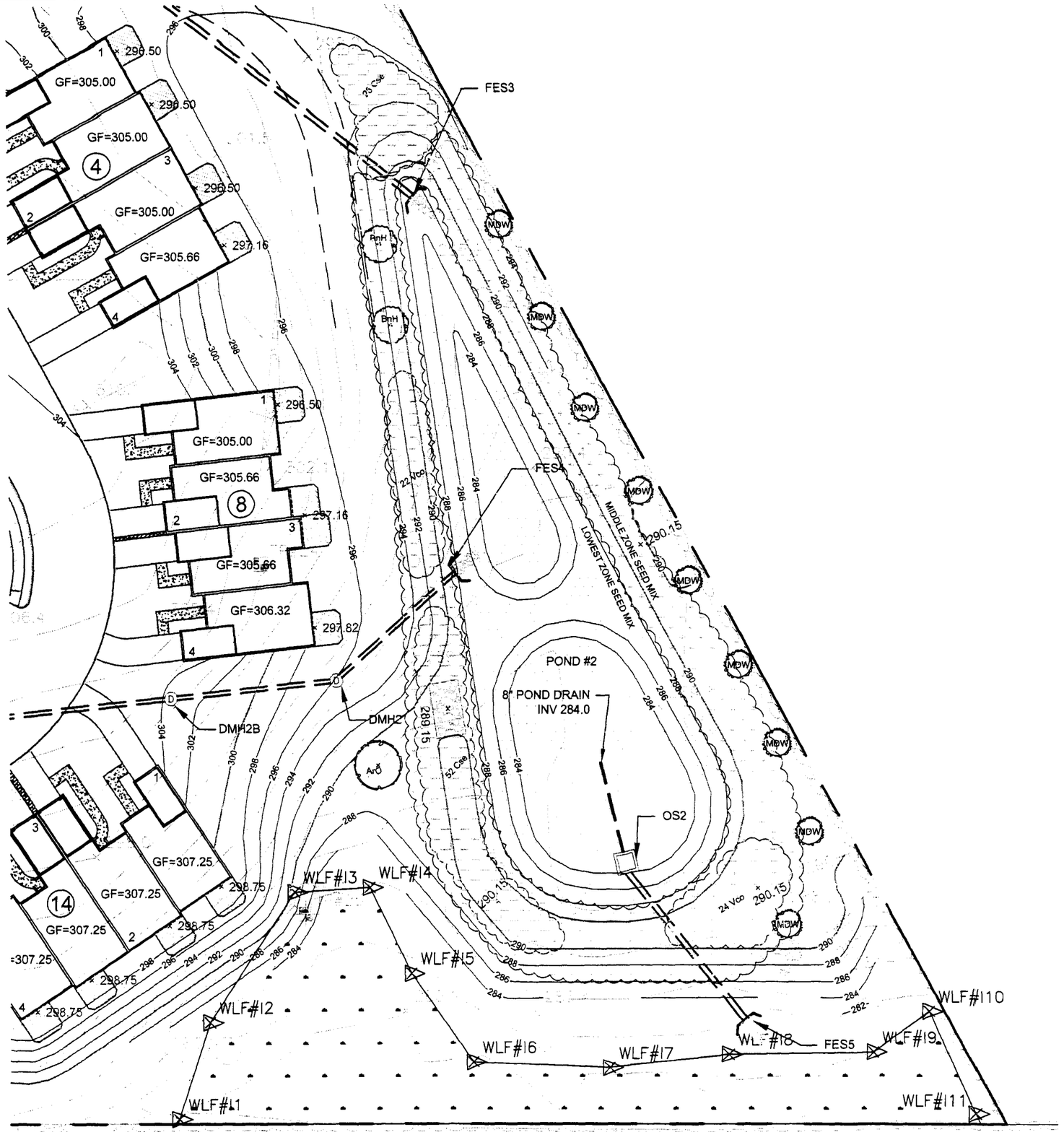
SEED MIXTURES ARE AVAILABLE FROM ERNST CONSERVATION SEED, www.ernstseed.com, PHONE: (800) 873-3321.

EP ENGINEERING PROPERTIES, PC
110 ORANGE AVE.
WALDEN, NY 12586
Ph: (845) 778-4313
Fx: (845) 778-4669

JOB # 101.01
SHEET # FIGURE 5
DATE: 03/08/06
SCALE: 1"= 30'

COVINGTON ESTATES
NYS ROUTE 300
TOWN OF NEW WINDSOR
ORANGE COUNTY, NEW YORK

POND 1



POND ELEVATIONS

MEASUREMENT	ELEVATION
POND BOTTOM	284.00
TOP OF BERM	290.15
PERMANENT WATER ELEVATION	286.33
WATER QUALITY VOLUME (WQv)	285.92
CHANNEL PROTECTION VOLUME (Cpv)	287.45
OVERBANK FLOOD PROTECTION CRITERIA (Qp)	288.49
EXTREME FLOOD CRITERIA (Qf)	289.15

OUTLET STRUCTURE

OUTLET BOX SIZE	4.1' X 3.8'
TOP OF RISER ELEV	289.33
ORIFICE 1 ELEV	286.33
ORIFICE 1 Ø	11" Ø
# OF ORIFICE(S)	1
WEIR 1 TYPE	RECTANGULAR
WEIR ELEV	287.50
WEIR LENGTH	1.70'
OUTLET PIPE Ø	24" Ø
OUTLET PIPE ELEV	283.90
EMERGENCY SPILLWAY LENGTH	15 LF
ELEVATION	289.33

POND 2 LANDSCAPING PLANT LIST

SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
TREES					
ArO	1	Acer rubrum October Glory	October Glory Red Maple	2 - 2½"	
BnH	2	Betula nigra Heritage	Heritage River Birch	8 - 10'	
MDW	9	Malus Donald Wyman	Donald Wyman Crabapple	2 - 2½"	
SHRUBS					
Cse	80	Cornus sericea	Redtwig Dogwood	18 - 24"	5' o.c.
Vco	46	Vaccinum corymbosum	Blueberry	18 - 24"	6' o.c.

SEED MIXTURES

LOWEST ZONE	RETENTION BASIN FLOOR SEED MIX, ERNM - 127. SOW RATE: 20 LBS PER ACRE
MIDDLE ZONE	FLOOD PLAIN WILDLIFE MIX, ERNM - 154. SOW RATE: 15 LBS PER ACRE

SEED MIXTURES ARE AVAILABLE FROM ERNST CONSERVATION SEED, www.ernstseed.com, PHONE: (800) 873-3321.

EP ENGINEERING PROPERTIES, PC
110 ORANGE AVE.
WALDEN, NY 12586
Ph: (845) 778-4313
Fx: (845) 778-4669

DATE: 03/08/06
JOB # 101.01
SCALE: 1" = 40'
SHEET # FIGURE 6

COVINGTON ESTATES
NYS ROUTE 300
TOWN OF NEW WINDSOR
ORANGE COUNTY, NEW YORK

POND 2