IMPROVEMENT PLANS
for
HERON CREEK COUNTRY ESTATE LOTS

SYCAMORE, ILLINOIS

PROJECT NO: 98-902K

SURVEYOR

GLENN D. KRISCH LAND SURVEYOR
1716 SOUTH FINLEY ROAD
LOMBARD, IL. 60148
(630) 627-5589

DEVELOPER

B&B ENTERPRISES
40W320 LA FOX ROAD SUITE E
ST. CHARLES, ILLINOIS 60175
(630) 584-0042

CALL J.U.L.I.E. 1-800-892-0123
WITH THE FOLLOWING:

COUNTY DeKALB
CITY, TOWNSHIP SYCAMORE TOWNSHIP
SEC. & 1/4 SEC. NO. T41N, R15E SE 1/4 SEC. 20

48 HOURS BEFORE YOU DIG.
EXCLUDING SAT., SUN. & HOLIDAYS

BENCHMARK

DESCRIPTION: SEE SHEET ET1 FOR BENCHMARK INFORMATION

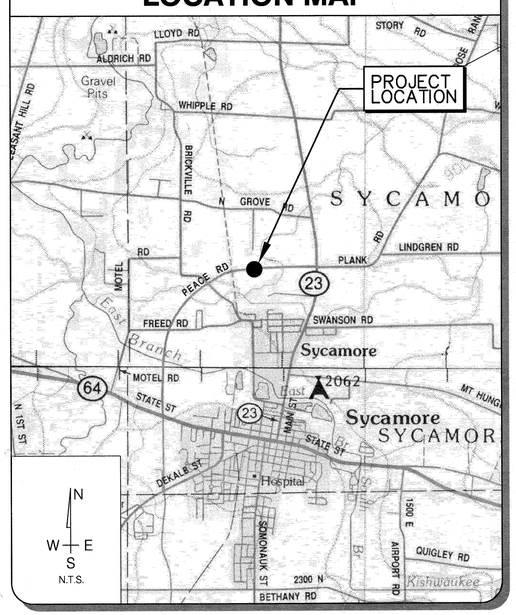
NOTE:

CHRISTOPHER B. BURKE ENGINEERING WEST, LTD. IS TO BE NOTIFIED AT LEAST THREE (3) DAYS PRIOR TO STARTING CONSTRUCTION AND SHALL BE INCLUDED IN THE PRECONSTRUCTION MEETINGS

ENGINEER _____ DATE _____
JIMMY L. SAMANIEGO, P.E.
ILLINOIS REGISTRATION NO.: 062-048104
EXPIRATION DATE: 11/30/2003
PROFESSIONAL DESIGN FIRM NO.: 184-002097
EXPIRATION DATE: 04/30/2005
SEAL
THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE , SEAL, AND EXPIRATION DATE OF SEAL OF THE ENGINEER

INDEX

LOCATION MAP



LEGEND

EXISTING	LINETYPES	PROPOSED
	DRAIN TILE	
	STORM SEWER	
	SANITARY SEWER	
W 8"	WATER MAIN (W/ SIZE)	W 8"
	PIPE TRENCH BACKFILL	
G G	GAS MAIN	G G
T T	TELEPHONE LINES	T T
E E	ELECTRIC LINE	E E
X X	FENCE	X X
	RIGHT-OF-WAY	
	EASEMENT	
	PROPERTY LINE	
	SETBACK LINE	
	CENTERLINE	
680	CONTOUR	680

STRUCTURES	
SANITARY MANHOLE	
STORM MANHOLE	
CATCH BASIN	
INLET	
SUMP STRUCTURE	
FIRE HYDRANT	
PRESSURE CONNECTION	
PIPE REDUCER	
VALVE & VAULT, VALVE	
FLARED END SECTION	
STREET LIGHT	
UTILITY POLE	
CONTROL POINT	
SIGN	
XXX.XX SPOT ELEVATION	XXX.XX
OVERLAND FLOW ROUTE	
DRAINAGE SLOPE	
GUARDRAIL	
TREE, FIR TREE, BUSH & PROPOSED TREE TO REMOVE	

REVISIONS

ORIGINAL PLAN DATE: 5/15/03

#	SHEET #	REMARKS	DATE
1	1, 14-17, 20-24, 27-31	LOWER TEWKSBERRY DRVIE PER OFFICE REVIEW	6/30/03
2	1, 6, 20-25	SANITARY REVISION PER BRADY	7/31/03

REVIEWED 8/21/03

HERON CREEK COUNTRY ESTATE LOTS

CHRISTOPHER B. BURKE ENGINEERING WEST, LTD.
116 West Main Street, Suite 201, St. Charles, Illinois 60174 (630) 443-7755

FILENAME: 98-902K-C.DWG
JOB NO. 98-902K
SHEET C1
1 OF 42

LEGEND

EXISTING TREE TO BE REMOVED

EXISTING STRUCTURE TO BE REMOVED

BENCHMARKS

BM#1 – 5/8" REBAR ON EAST SIDE OF ROUTE 23 256' NORTH OF GRAVEL DRIVE TO FARM BUILDINGS.
ELEVATION = 848.17

BM#2 – 5/8" REBAR ON NORTHWEST CORNER OF INTERSECTION OF ROUTE 23, PLANK AND PEACE ROADS.
ELEVATION = 849.65

FEMA BENCHMARKS

NORTHWEST BONNET BOLT ON HYDRANT EAST OF BRICKVILLE ROAD. AND FREED ROAD INTERSECTION IN SYCAMORE.
ELEVATION = 843.53

NORTHEAST BOLT OF NORTHEAST GUARD RAIL SUPPORT STATE ROUTE 23 BRIDGE OVER HERON CREEK.
ELEVATION = 843.74

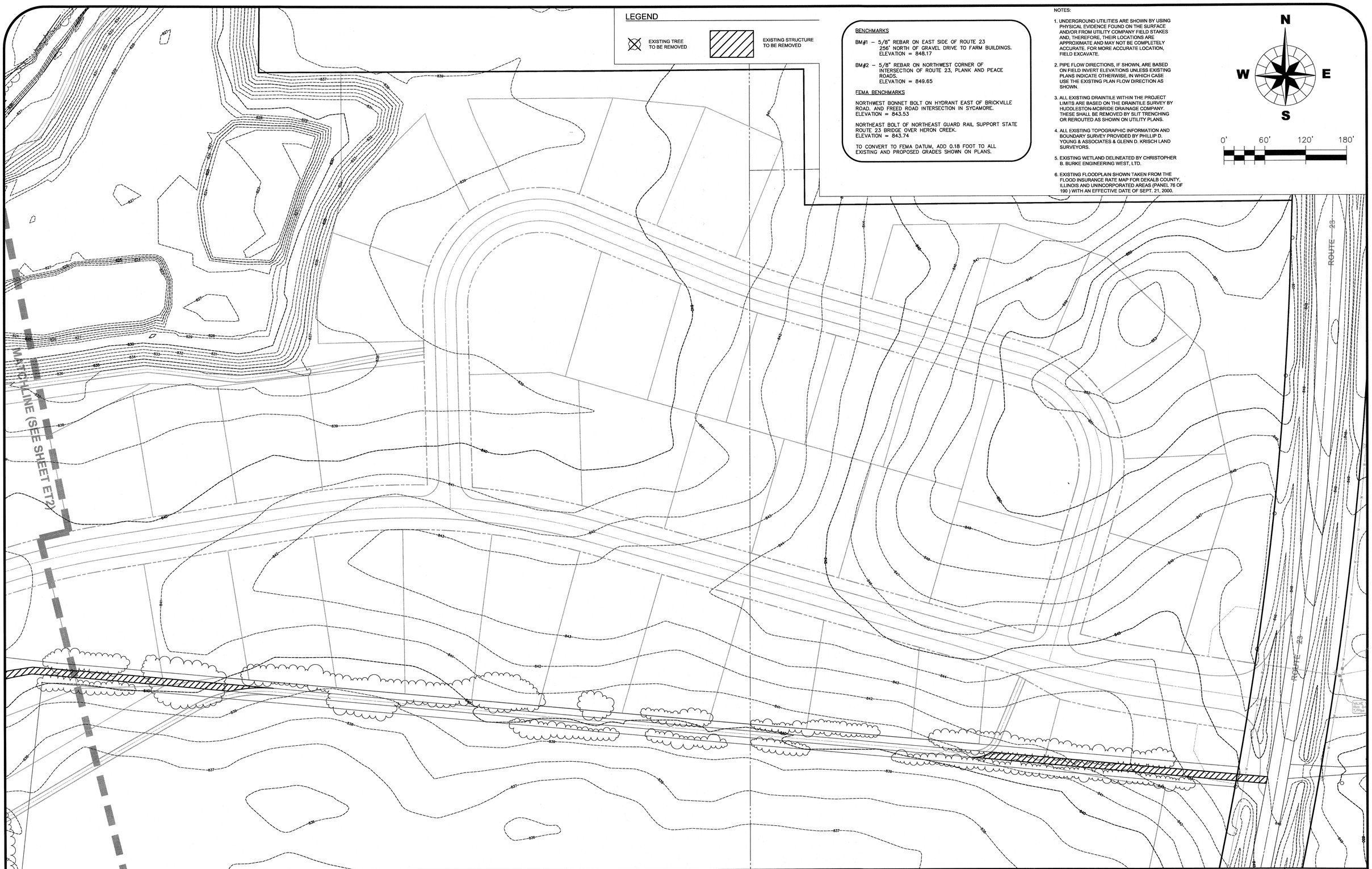
TO CONVERT TO FEMA DATUM, ADD 0.18 FOOT TO ALL EXISTING AND PROPOSED GRADES SHOWN ON PLANS.

NOTES:

1. UNDERGROUND UTILITIES ARE SHOWN BY USING PHYSICAL EVIDENCE FOUND ON THE SURFACE AND/OR FROM UTILITY COMPANY FIELD STAKES AND, THEREFORE, THEIR LOCATIONS ARE APPROXIMATE AND MAY NOT BE COMPLETELY ACCURATE. FOR MORE ACCURATE LOCATION, FIELD EXCAVATE.
2. PIPE FLOW DIRECTIONS, IF SHOWN, ARE BASED ON FIELD INVERT ELEVATIONS UNLESS EXISTING PLANS INDICATE OTHERWISE, IN WHICH CASE USE THE EXISTING PLAN FLOW DIRECTION AS SHOWN.
3. ALL EXISTING DRAINTILE WITHIN THE PROJECT LIMITS ARE BASED ON THE DRAINTILE SURVEY BY HUDDLESTON-MCBRIDE DRAINAGE COMPANY. THESE SHALL BE REMOVED BY SLIT TRENCHING OR REROUTED AS SHOWN ON UTILITY PLANS.
4. ALL EXISTING TOPOGRAPHIC INFORMATION AND BOUNDARY SURVEY PROVIDED BY PHILLIP D. YOUNG & ASSOCIATES & GLENN D. KRISCH LAND SURVEYORS.
5. EXISTING WETLAND DELINEATED BY CHRISTOPHER B. BURKE ENGINEERING WEST, LTD.
6. EXISTING FLOODPLAIN SHOWN TAKEN FROM THE FLOOD INSURANCE RATE MAP FOR DEKALB COUNTY, ILLINOIS AND UNINCORPORATED AREAS (PANEL 76 OF 190) WITH AN EFFECTIVE DATE OF SEPT. 21, 2000.

N W E S

0' 60' 120' 180'



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(630) 584-0042

NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	JRH/MSK
DWN.	DJV
CHKD.	JLS
SCALE :	1" = 60'
FILE NAME:	98-902K-ET.dwg

TITLE :
HERON CREEK
COUNTRY ESTATE LOTS

EXISTING CONDITIONS & DEMOLITION PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 4 OF 42
DRAWING NO.
ET1

N:\CIVIL\98-902K\acad\98-902K-ET.dwg, ET1, 05/14/2003 08:40:28 PM, CIVILRICHO

EXIST 6" DIA. CMP CULVERT
I=831.25 W
I=831.49 E

MATCHLINE (SEE SHEET ET1)

NOTE:

1. FOR CONSTRUCTION NOTES & LEGEND SEE SHEET ET1

N
W E
S

0' 60' 120' 180'

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HERON CREEK
COUNTRY ESTATE LOTS

EXISTING CONDITIONS & DEMOLITION PLAN

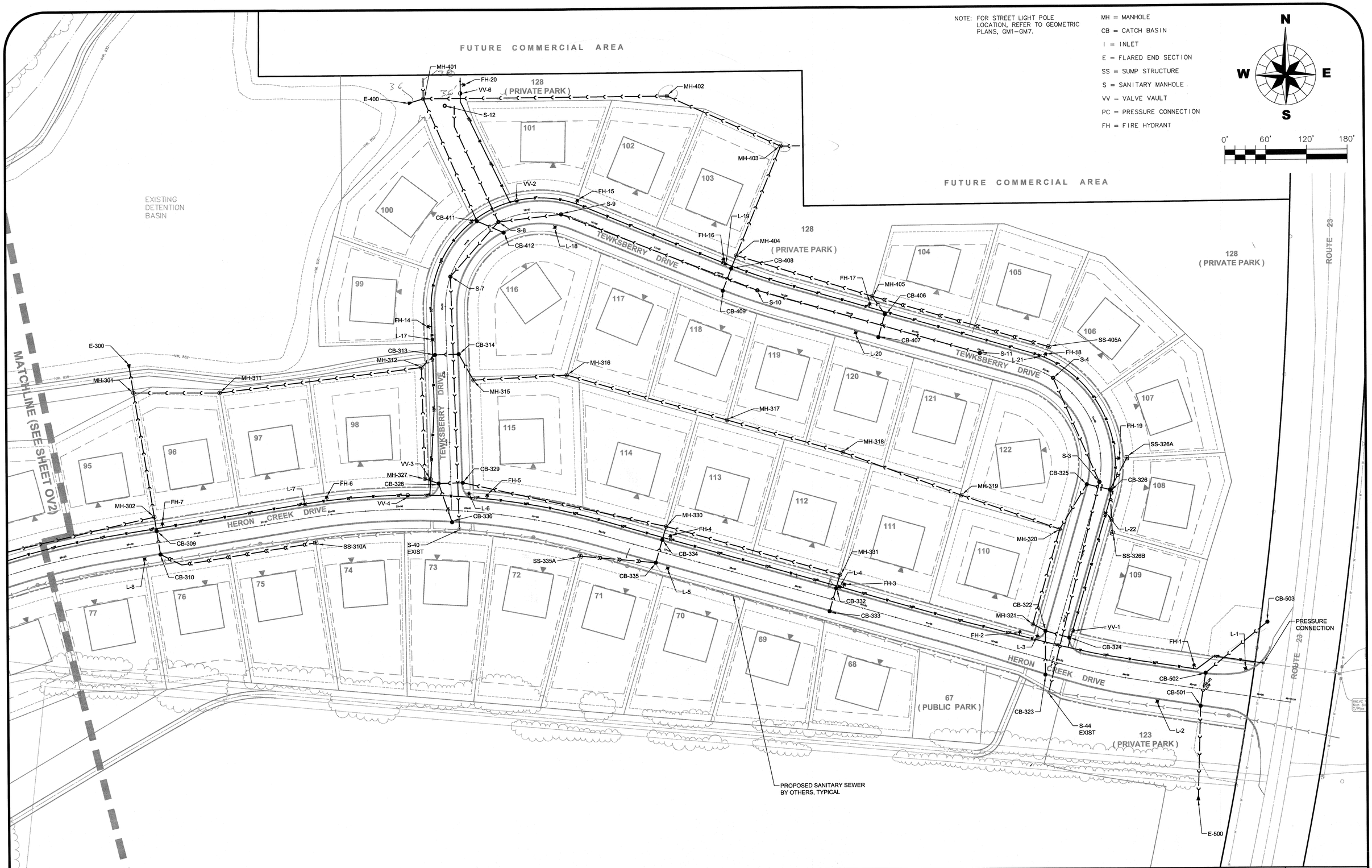
PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 5 OF 42
DRAWING NO.
ET2

NOTE: FOR STREET LIGHT POLE LOCATION, REFER TO GEOMETRIC PLANS, GM1-GM7.

MH = MANHOLE
CB = CATCH BASIN
I = INLET
E = FLARED END SECTION
SS = SUMP STRUCTURE
S = SANITARY MANHOLE
VV = VALVE VAULT
PC = PRESSURE CONNECTION
FH = FIRE HYDRANT

N W E S

0' 60' 120' 180'



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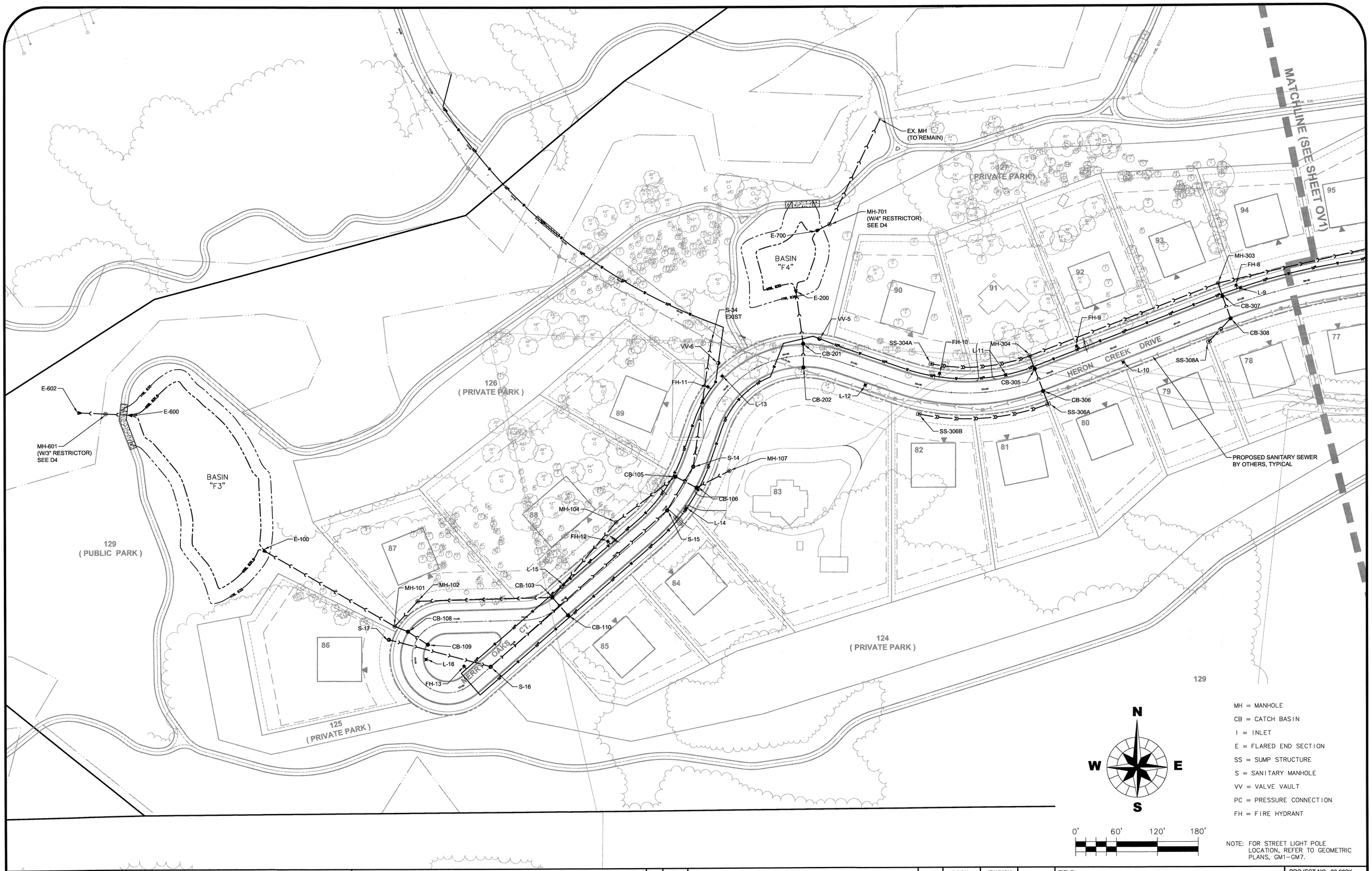
NO.	DATE	NATURE OF REVISION	CHKD.
2	7/31/03	SANITARY REVISION PER BRADY	

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 60'	
FILE NAME:	98-902K-OV.dwg	

TITLE :
HERON CREEK COUNTRY ESTATE LOTS
OVERALL UTILITY PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 6 OF 42
DRAWING NO.
OV1



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CHKD.	JLS	
SCALE :	1" = 60'	
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TITLE :
HERON CREEK COUNTRY ESTATE LOTS
OVERALL UTILITY PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 7 OF 42
DRAWING NO.
OV2

118
TF=851.0

119
TF=852.5

120
TF=853.5
LO=848.5

121
TF=855.0
LO=850.0

122
TF=856.0
LO=851.0

106
TF=856.5

107
TF=856.0

108
TF=855.0
LO=850.0

109
TF=853.0

110
TF=851.5

111
TF=850.5

112
TF=850.0

113
TF=849.5

70
TF=849.0
LO=844.0

69
TF=850.0
LO=845.0

68
TF=850.5
LO=845.5

67
(PUBLIC PARK)

123
(PRIVATE PARK)

TEWKSBERRY DRIVE

HERON CREEK DRIVE

ROUTE 23

MATCHLINE (SEE SHEET GM2)

MATCHLINE (SEE SHEET GM4)

369.38'

688.95'

L=235.67'
R=150.00'

L=126.22'
R=1000.00'

238.00'

15.5'
35' B-B
66' R.O.W.

7.68'
40.60'
7.74'
R=25'

100' R.O.W.
49.00' B-B
25.84'
25.16'
230.97'

L-4
STA: 39+59.54
LT: 20.50

L-3
STA: 42+58.69
LT: 29.96

L-1
STA: 45+73.01
LT: 39.22

L-2
STA: 44+51.58
RT: 27.50

2 CENTERED CURVE
60'R - 200'R
5' OFFSET

2 CENTERED CURVE
50'R - 200'R
10' OFFSET

EXISTING BIKE PATH TO REMAIN

SAWCUT, REMOVE & REPLACE 1' WIDE SURFACE COURSE

PAVEMENT SECTION TO MEET I.D.O.T. SPECIFICATIONS

1. 2" BITUMINOUS CONC. SURFACE COURSE SUPER PAVE, MIXTURE, N50
2. 10" P.C.C. BASE COURSE

KEYMAP
N.T.S.

66' R.O.W.
35' B-B
369.38'
10.5'
1'
4' CONCRETE SIDEWALK
ANTICIPATED DRIVEWAY LOCATION
15' PUBLIC UTILITY EASEMENT
40' BUILDING SETBACK
120
LOT NUMBER
5' PUBLIC UTILITY AND DRAINAGE EASEMENT
MAXIMUM BUILDING ENVELOPE
10' PUBLIC UTILITY AND DRAINAGE EASEMENT UNLESS NOTED OTHERWISE

N
W E
S

0' 40' 80' 120'

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DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-GM.dwg	

TITLE :
HERON CREEK COUNTRY ESTATE LOTS
GEOMETRIC AND LIGHTING PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 8 OF 42
DRAWING NO.
GM1

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FUTURE COMMERCIAL AREA

128
(PRIVATE PARK)

128
(PRIVATE PARK)

ROUTE 23

TEWKSBERRY DRIVE

MATCHLINE (SEE SHEET GM3)

MATCHLINE (SEE SHEET GM4)

MATCHLINE (SEE SHEET GM1)

103	TF=849.5 LO=844.5
104	TF=854.0 LO=849.0
105	TF=855.5 LO=850.5
106	TF=856.5
107	TF=856.0
108	TF=855.0 LO=850.0
109	
110	TF=851.5
111	TF=850.5
112	TF=850.0
113	TF=849.5
118	TF=851.0
119	TF=852.5
120	TF=853.5 LO=848.5
121	TF=855.0 LO=850.0
122	TF=856.0 LO=851.0

L-20 STA: 20+16.32 RT: 20.50

L-21 STA: 22+83.42 LT: 20.50

L-22 STA: 25+34.73 LT: 20.50

L=218.87' 17+00
R=1000.00
L=110.21'
18+00
19+00
20+00
21+00
22+00
23+00
24+00
25+00
26+00
37+00
38+00
39+00
369.38'
L=235.62'
R=150.00
258.00'
66' R.O.W.
15.5'
35' B-B
15.5'

KEYMAP
N.T.S.

NOTE: 1. SEE GM1, FOR PROJECT NOTES & LEGENDS.

0' 40' 80' 120'

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TITLE :
HERON CREEK COUNTRY ESTATE LOTS
GEOMETRIC AND LIGHTING PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 9 OF 42
DRAWING NO.
GM2

N:\DWG\98-902K\dwg\98-902K-GM.dwg, GM2, 1/2=1/2/2003 05:44:57 PM, DVRENOKO

FUTURE COMMERCIAL AREA

128
(PRIVATE PARK)

EXISTING DETENTION BASIN
HWL = 836
NWL = 832

PROPOSED BIKE PATH, TYP.

TEWKSBERRY DRIVE

HERON CREEK DRIVE

MATCHLINE (SEE SHEET GM2)

MATCHLINE (SEE SHEET GM4)

MATCHLINE (SEE SHEET GM5)

Lot	Elevation
95	TF=848.0 LO=843.0
96	TF=847.0
97	TF=847.5
98	TF=847.0
99	TF=846.5 LO=843.0
100	TF=847.0 PLO=843.0
101	TF=848.0 LO=843.0
102	TF=848.5 LO=843.5
103	TF=849.5 LO=844.5
113	TF=849.5
114	TF=849.0
115	TF=847.0
116	TF=848.0
117	TF=849.5
118	TF=851.0
119	TF=852.5
72	TF=847.0
73	TF=846.5 PLO=843.0
74	TF=847.0 LO=842.0
75	

L-17 STA:12+52.10 LT: 20.50

L-18 STA:15+44.56 RT: 20.50

L-19 STA:18+01.75 LT: 20.50

L=278.25' R=140.00

L=440.97' R=1000.00

L=10.21' R=000.00

218.87'

298.53'

295.11'

66' R.O.W.

35' B-B

15.5'

KEYMAP
N.T.S.

NOTE: 1. SEE GM1, FOR PROJECT NOTES & LEGENDS.

0' 40' 80' 120'

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SCALE :	1" = 40'	
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TITLE :
HERON CREEK COUNTRY ESTATE LOTS
GEOMETRIC AND LIGHTING PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 10 OF 42
DRAWING NO.
GM3

EXISTING DETENTION BASIN
HWL = 836
NWL = 832

NWL 832
HWL 836

TF=846.5
LO=843.0

TF=848.0

117
TF=849.5

118
TF=851.0

MATCHLINE (SEE SHEET GM3)

TEWKSBERRY DRIVE

98
TF=847.0

97
TF=847.5

96
TF=847.0

95
TF=848.0
LO=843.0

4
TF=848.0
LO=843.0

115
TF=847.0

114
TF=849.0

113
TF=849.5

11
TF

L-7
STA: 31+63.47
LT: 20.50

L-6
STA: 34+00.26
LT: 26.07

R=25'

15.5'

66' R.O.W.

35' B-B

HERON CREEK DRIVE

L=440.97'
R=1000.00

298.53'

L=207.36'
R=1000.00

L-8
STA: 29+17.75
RT: 20.50

L-5
STA: 37+07.76
RT: 20.50

78
TF=847.5
LO=842.5

77
TF=847.5
LO=842.5

76
TF=847.5
LO=842.5

75
TF=848.0
LO=843.0

74
TF=847.0
LO=842.0

73
TF=846.5
PLO=843.0

72
TF=847.0
PLO=844.0

71
TF=848.0
LO=843.0

70
TF=849.0
LO=844.0

69

MATCHLINE (SEE SHEET GM5)

MATCHLINE (SEE SHEET GM1)

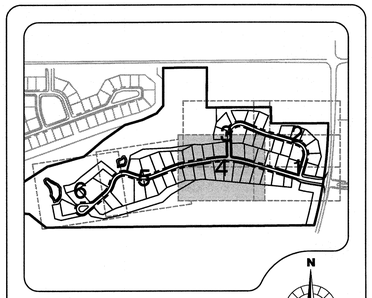
EXISTING BIKE PATH TO REMAIN

PROPOSED BIKE PATH, TYP.

N
W E
S

0' 40' 80' 120'

NOTE: 1. SEE GM1, FOR PROJECT NOTES & LEGENDS.



KEYMAP
N.T.S.

N
W E
S

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FILE NAME:	98-902K-GM.dwg	

TITLE :
HERON CREEK
COUNTRY ESTATE LOTS

GEOMETRIC AND LIGHTING PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 11 OF 42
DRAWING NO.
GM4

PROPOSED BIKE PATH, TYP.

127
(PRIVATE PARK)

DETENTION BASIN "F4"
NWL 832
HWL 836

MATCHLINE (SEE SHEET GM3)

MATCHLINE (SEE SHEET GM4)

MATCHLINE (SEE SHEET GM6)

90 TF=849.0 LO=844.0

91 TF=845.33

92 TF=848.0 LO=843.0

93 TF=848.0 LO=843.0

94 TF=848.0 LO=843.0

89 TF=848.0 LO=843.0

84 TF=849.0 LO=844.0

83 TF=846.52

82 TF=850.0 LO=845.0

81 TF=848.5 LO=843.5

80 TF=848.0 LO=843.0

79 TF=847.5 LO=842.5

78 TF=847.5 LO=842.5

77 TF= LO=

L-13 STA: 19+08.55 LT: 20.50

L-12 STA: 21+26.03 RT: 20.50

L-11 STA: 23+34.53 LT: 20.50

L-10 STA: 25+05.97 RT: 20.50

L-9 STA: 27+04.96 LT: 20.50

L=235.62' R=150.00

L=30.79' R=230.00

L=210.12' R=300.00

L=207.36' R=1000.00

66' R.O.W.

35' B-B'

15.5'

15.5'

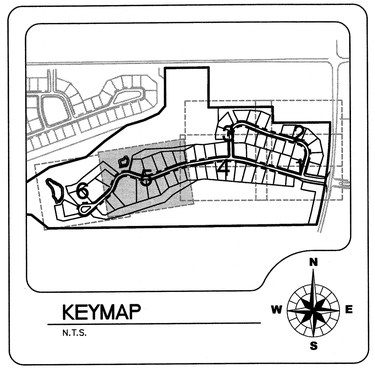
96.89'

52.10'

268.63'

HERON CREEK DRIVE

PROPOSED BIKE PATH, TYP.



NOTE: 1. SEE GM1, FOR PROJECT NOTES & LEGENDS.

N
W E
S

0' 40' 80' 120'

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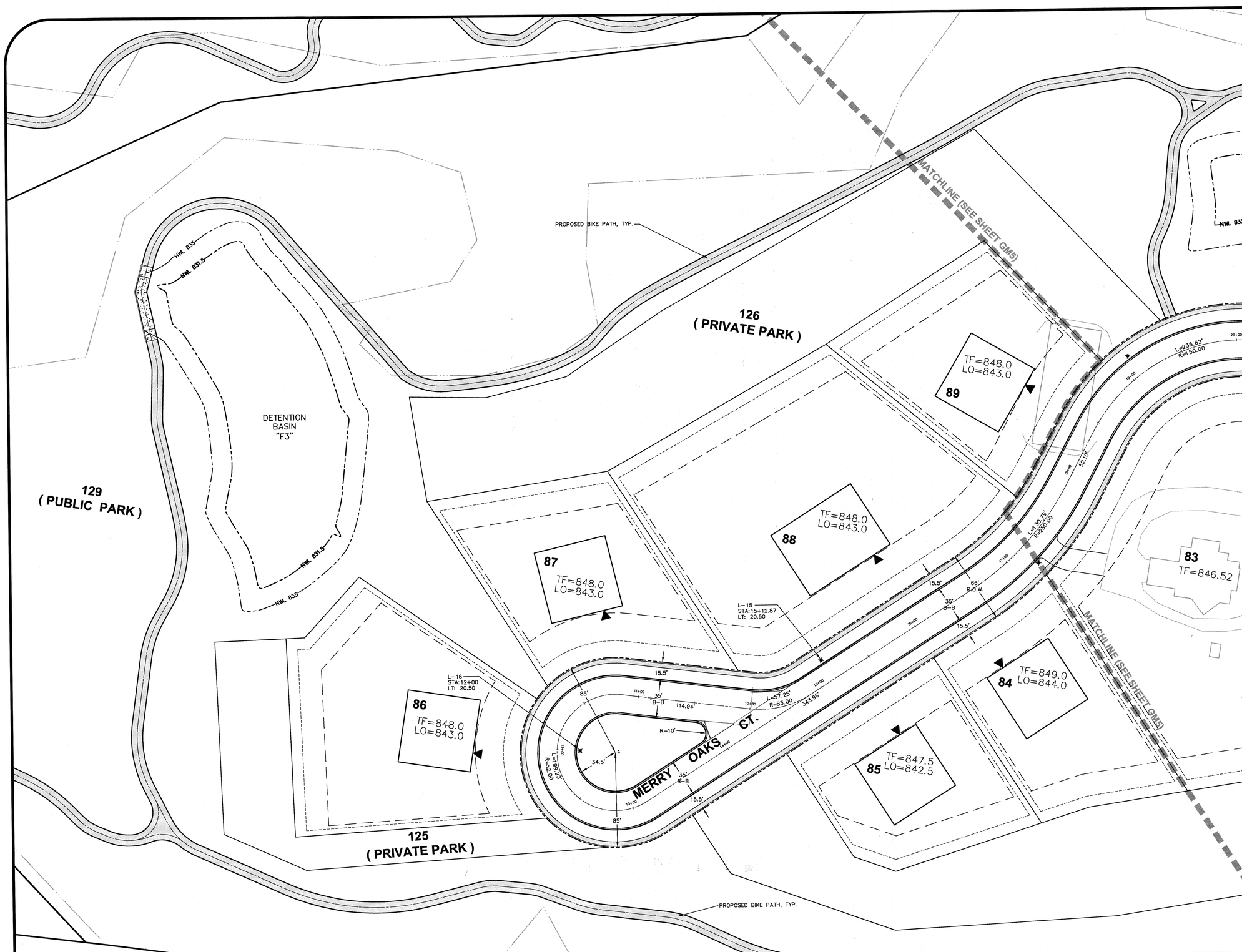
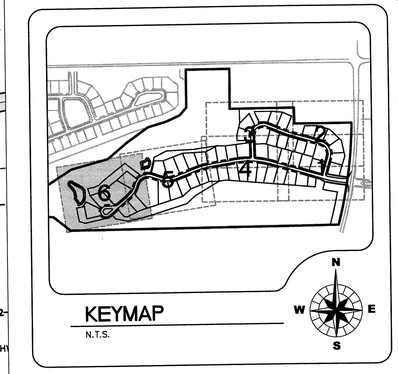
TITLE :
HERON CREEK COUNTRY ESTATE LOTS

GEOMETRIC AND LIGHTING PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 12 OF 42
DRAWING NO.
GM5





NOTE: 1. SEE GM1, FOR PROJECT NOTES & LEGENDS.

CHRISTOPHER B. BURKE ENGINEERING WEST, LTD.
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ST. CHARLES, ILLINOIS 60175
(630) 584-0042

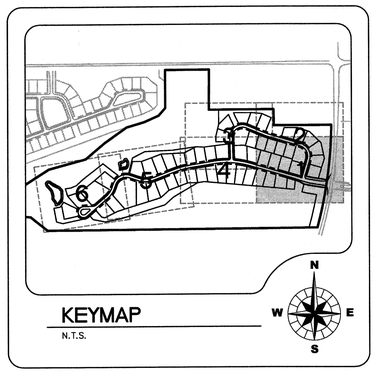
NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-GM.dwg	

TITLE :
HERON CREEK
COUNTRY ESTATE LOTS

GEOMETRIC AND LIGHTING PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 13 OF 42
DRAWING NO.
GM6



NOTES:

1. ALL UNPAVED STREET RIGHT-OF-WAY SHALL BE SEEDED.
2. REFER TO SHEET GN1 FOR TYPICAL PAVEMENT SECTION AND TYPICAL LOT GRADING.
3. MAXIMUM SIDE SLOPES OF DETENTION BASIN ARE 4:1.
4. SEE SHEET SPC1 FOR SPECIFICATIONS.
5. OVERFLOW ROUTE ➡
6. FLOW DIRECTION ~➤
7. TF= PROPOSED TOP OF FOUNDATION ELEVATION
   LO= PROPOSED LOOK-OUT ELEVATION
   WO= PROPOSED WALK-OUT ELEVATION
   PLO= PROPOSED PARTIAL LOOK-OUT
   GF= PROPOSED GARAGE FLOOR ELEVATION
8. FINISHED GRADE SHALL BE A MIN. OF 6" BELOW TF.
9. RESPREAD 12" TOPSOIL IN BOTTOM OF DETENTION BASIN. 6" ALL OTHER DISTURBED AREAS.
10. APPROXIMATE DRIVEWAY LOCATION ▲
11. FOR ADDITIONAL SPOT GRADES WITHIN TEWKSBERRY & HERON CREEK DRIVES, SEE D5.
12. FOR DEMOLITION OF EXISTING STRUCTURES SEE ET1 & ET2.

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(630) 584-0042

NO.	DATE	NATURE OF REVISION	CHKD.
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-GR.dwg	

TITLE :
HERON CREEK COUNTRY ESTATE LOTS
GRADING AND DRAINAGE PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 14 OF 42
DRAWING NO.
GR1

N:\DWG\98-902K\dwg\98-902K-GR.dwg, GR1, 06/07/2003 03:29:35 PM, OVERMCND

FUTURE COMMERCIAL AREA

128
(PRIVATE PARK)

128
(PRIVATE PARK)

ROUTE 23

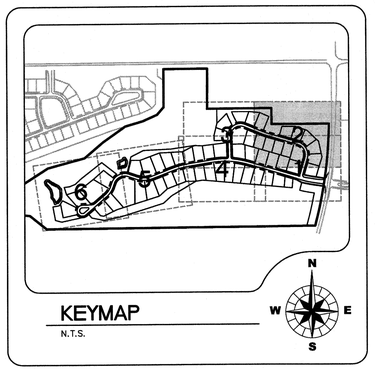
TEWKSBERRY DRIVE

MATCHLINE (SEE SHEET GR3)

MATCHLINE (SEE SHEET GR4)

MATCHLINE (SEE SHEET GR1)

103	TF=847.0
104	TF=850.2
105	TF=852.4
106	TF=853.0
107	TF=853.0
108	TF=852.0
109	
110	TF=851.5
111	TF=850.5
112	TF=850.0
113	TF=849.5
118	TF=847.3
119	TF=848.1
120	TF=849.0
121	TF=851.3
122	TF=852.0



NOTE: SEE GR1, FOR CONSTRUCTION NOTES

N
W E
S

0' 40' 80' 120'

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ST. CHARLES, ILLINOIS 60175
(630) 584-0042

NO.	DATE	NATURE OF REVISION	CHKD.
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-GR.dwg	

TITLE :
HERON CREEK
COUNTRY ESTATE LOTS

GRADING AND DRAINAGE PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 15 OF 42
DRAWING NO.
GR2

FUTURE COMMERCIAL AREA

128
(PRIVATE PARK)

101
TF=845.5

102
TF=846.5

103
TF=847.0

100
TF=844.5

99
TF=844.3

116
TF=845.8

117
TF=846.6

118
TF=847.3

119
TF=848.1

95
TF=848.0
LO=843.0

96
TF=847.0

97
TF=847.5

98
TF=847.0

115
TF=847.0

114
TF=849.0

113
TF=849.5

74
TF=847.0
LO=842.0

73
TF=846.5
PLO=843.0

72
TF=847.0

75

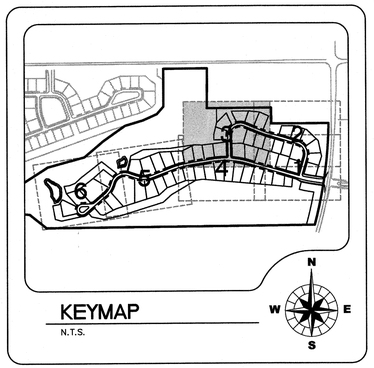
TEWKSBERRY DRIVE

HERON CREEK DRIVE

EXISTING DETENTION BASIN
HWL = 836
NWL = 832

MATCHLINE (SEE SHEET GR2)

MATCHLINE (SEE SHEET GR1)



NOTE: SEE GR1, FOR CONSTRUCTION NOTES

N
W E
S

0' 40' 80' 120'

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(630) 584-0042

NO.	DATE	NATURE OF REVISION	CHKD.
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-GR.dwg	

TITLE :
HERON CREEK
COUNTRY ESTATE LOTS

GRADING AND DRAINAGE PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 16 OF 42
DRAWING NO.
GR3

EXISTING DETENTION BASIN
HWL = 836
NWL = 832

TEWKSBERRY DRIVE

HERON CREEK DRIVE

MATCHLINE (SEE SHEET GR3)

MATCHLINE (SEE SHEET GR1)

MATCHLINE (SEE SHEET GR5)

MEET EXISTING GRADES, TYPICAL

Lot	TF	LO	PLO
117	846.6		
118	847.3		
115	847.0		
114	849.0		
113	849.5		
98	847.0		
97	847.5		
96	847.0		
95	848.0	843.0	
78	847.5	842.5	
77	847.5	842.5	
76	847.5	842.5	
75	848.0	843.0	
74	847.0	842.0	
73	846.5		843.0
72	847.0		844.0
71	848.0	843.0	
70	849.0	844.0	
69			

NOTES:
1. SEE GR1, FOR CONSTRUCTION NOTES
2. FOR ADDITIONAL SPOT GRADES WITHIN TEWKSBERRY & HERON CREEK DRIVES, SEE D5.

KEYMAP
N.T.S.

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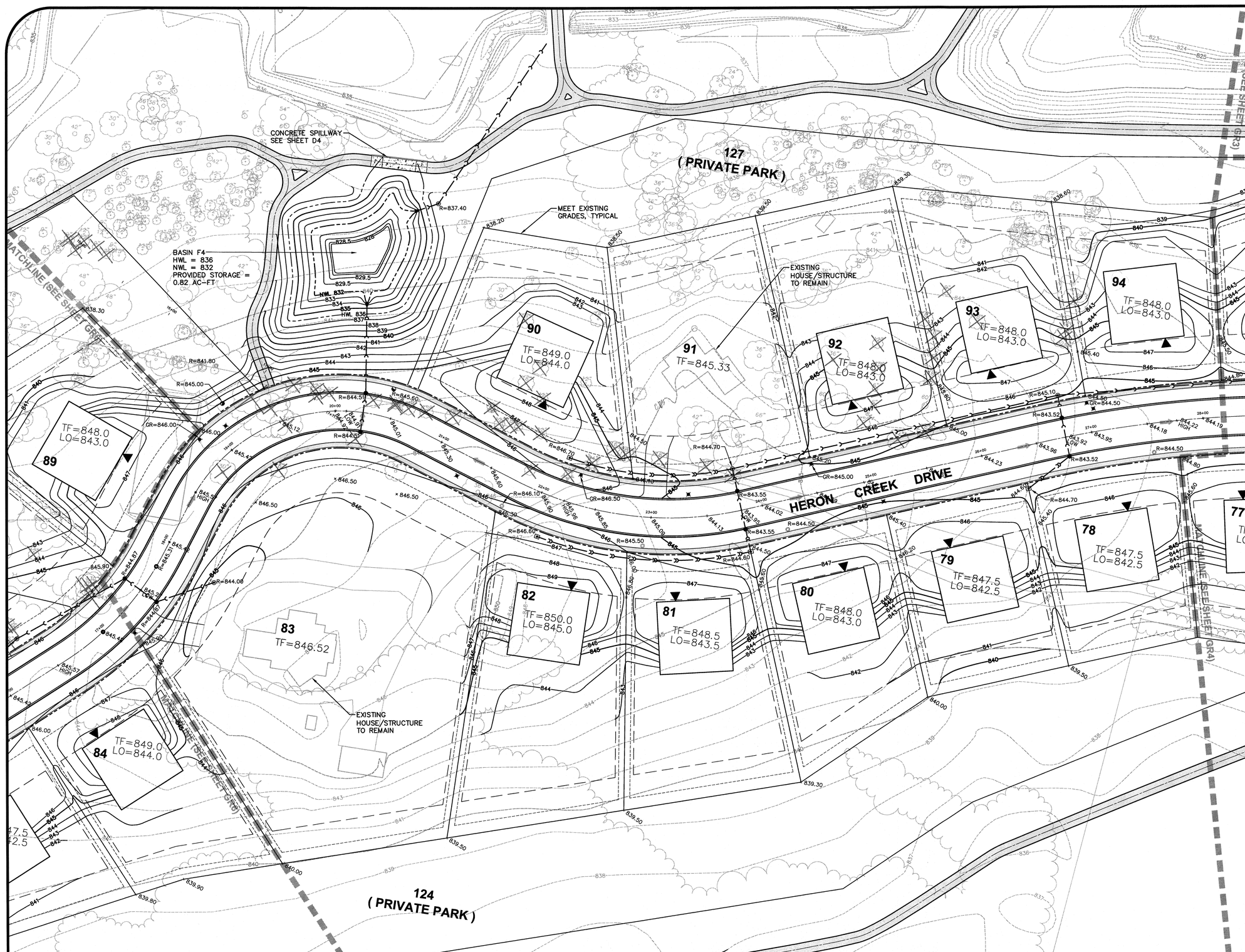
(630) 584-0042

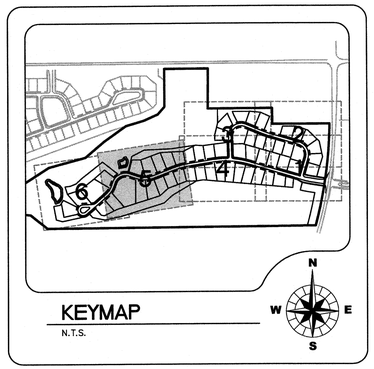
NO.	DATE	NATURE OF REVISION	CHKD.
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-GR.dwg	

TITLE :
HERON CREEK COUNTRY ESTATE LOTS
GRADING AND DRAINAGE PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 17 OF 42
DRAWING NO. **GR4**





NOTES:
1. SEE GR1, FOR CONSTRUCTION NOTES
2. TREE TO BE REMOVED, TYPICAL.
3. ALL TREES TO BE REMOVED OUTSIDE THE RIGHT-OF-WAY SHALL BE REMOVED DURING THE DEVELOPMENT OF EACH INDIVIDUAL LOT.

N
W E
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0' 40' 80' 120'

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(630) 584-0042

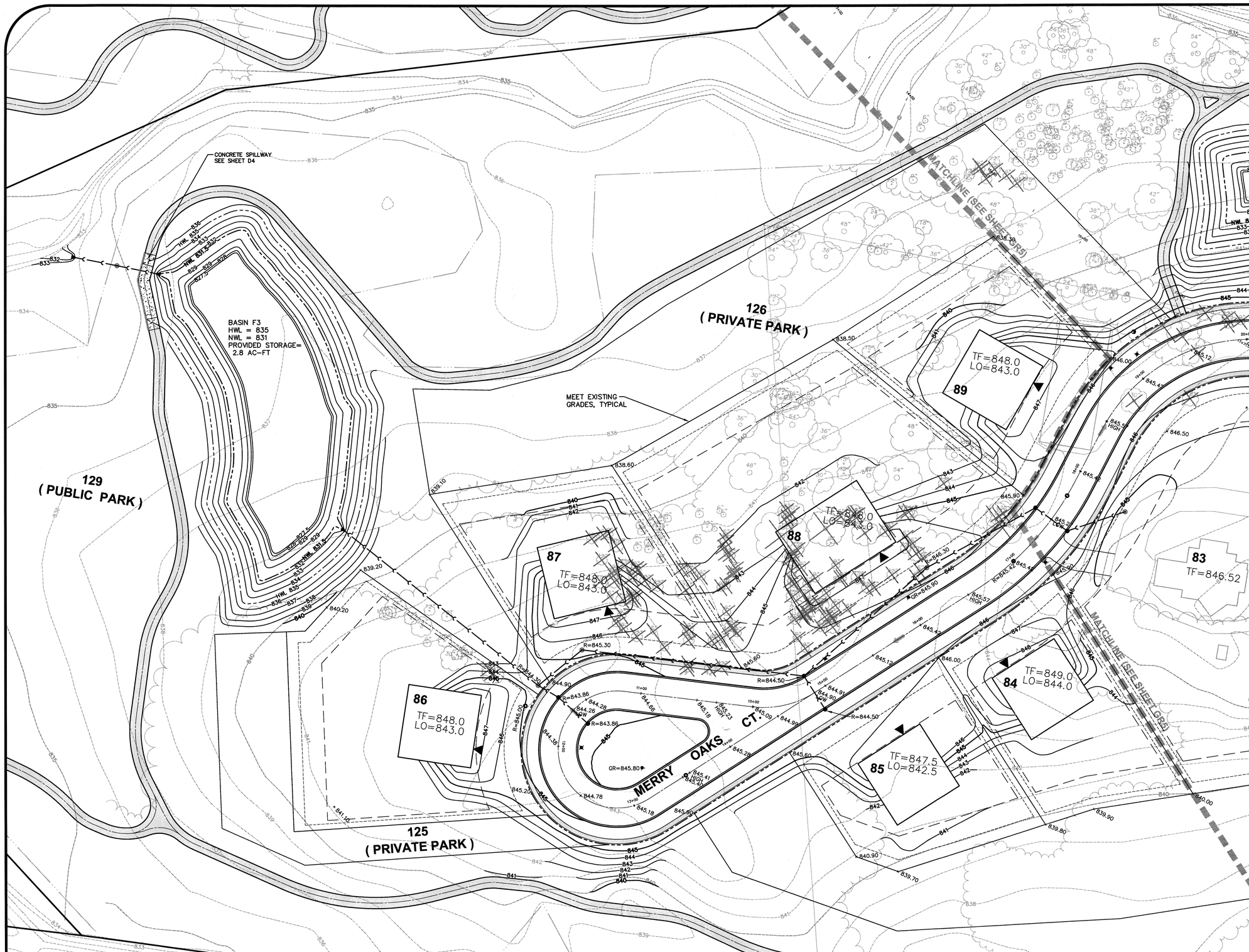
NO.	DATE	NATURE OF REVISION	CHKD.

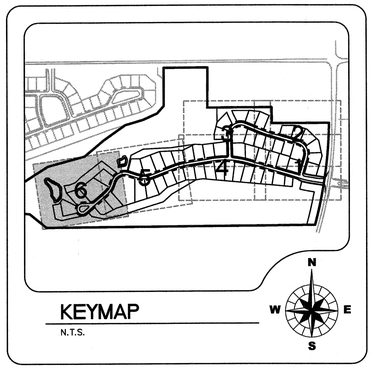
DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-GR.dwg	

TITLE :
HERON CREEK
COUNTRY ESTATE LOTS

GRADING AND DRAINAGE PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 18 OF 42
DRAWING NO.
GR5





NOTES:
1. SEE GR1, FOR CONSTRUCTION NOTES
2. FOR ADDITIONAL SPOT GRADES WITHIN MERRY OAKS COURT, SEE D5.
3. TREE TO BE REMOVED, TYPICAL.
4. ALL TREES TO BE REMOVED OUTSIDE THE RIGHT-OF-WAY SHALL BE REMOVED DURING THE DEVELOPMENT OF EACH INDIVIDUAL LOT.

N W E S

0' 40' 80' 120'

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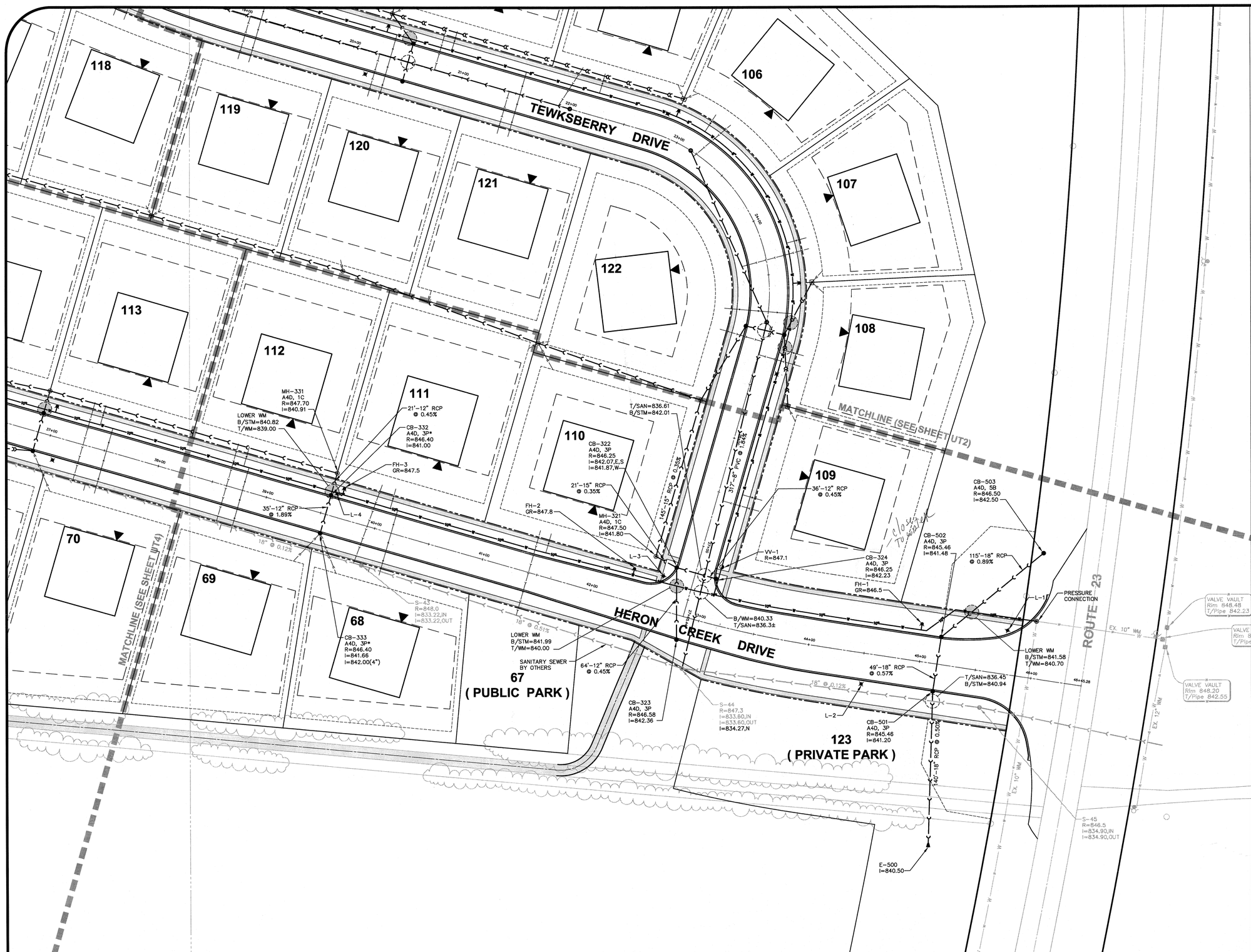
(630) 584-0042

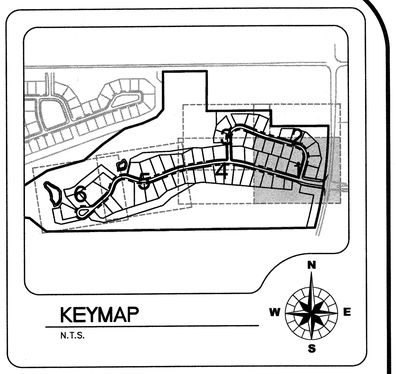
NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-GR.dwg	

TITLE :
HERON CREEK
COUNTRY ESTATE LOTS
GRADING AND DRAINAGE PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 19 OF 42
DRAWING NO.
GR6





LEGEND

MH = MANHOLE
CB = CATCH BASIN
I = INLET
E = FLARED END SECTION
SS = SUMP STRUCTURE
S = SANITARY MANHOLE
VV = VALVE VAULT
FH = FIRE HYDRANT
3P = NEENAH R-3246 CURB FRAME AND GRATE*
1C = NEENAH R-1712-B FRAME WITH CLOSED LID
4B = NEENAH R-2577 BEEHIVE FRAME AND GRATE (OPEN LID)
5B = NEENAH R-4349-C BEEHIVE FRAME AND GRATE (OPEN LID, HIGH CAPACITY)

TRENCH BACKFILL

INDICATES PIPE CROSSING

INDICATES PIPE CONFLICT
WATERMAIN LOWERING
(SEE WM VERTICAL SEPARATION ON SHEET D3)

* USE TYPE L VANE STYLE GRATE ON SIDE SLOPES WHERE STRUCTURE IS NOT LOCATED AT A LOW POINT.

TYPE OF STRUCTURE (MANHOLE) — STRUCTURE NUMBER
TYPE OF STRUCTURE — TYPE OF FRAME & LID
DIAMETER SIZE OF STRUCTURE — RIM ELEVATION
INVERT ELEVATION AND DIRECTION

MH-10
A4D, 1C
R=748.50
I=740.50,NW

1) RIM GRADES FOR CURB STRUCTURES (INLETS, CATCH BASINS, AND MANHOLES) REFLECT THE FLOW LINE GRADE OF THE CURB.

2) ALL SUMP PUMP SERVICES SHALL BE 4-INCH DIAMETER PVC SDR-26.

3) ALL STORM SEWER TO BE RCP CL IV PIPE UNLESS OTHERWISE NOTED.

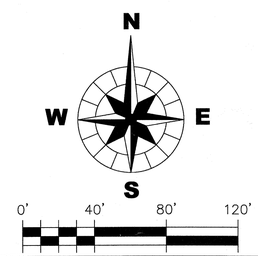
4) ALL EXISTING DRAIN TILES WITHIN THE DEVELOPED AREAS, EXCEPT WITHIN WETLAND AREAS, SHALL BE REMOVED USING SILT TRENCH METHOD. TIE DRAIN TILES SHALL BE CONNECTED TO STORM SEWER SYSTEM WHERE SHOWN ON PLANS.

5) CONTRACTORS TO PROVIDE ADDITIONAL FITTINGS AS NECESSARY TO (NO 90 DEGREE FITTINGS WILL BE ALLOWED) DEFLECT WATERMAIN ALONG STREET CURVES WITHOUT EXCEEDING MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION AT PIPE JOINTS (MINIMUM RADIUS OF CURVATURE TO BE OBTAINED BY PIPE JOINTS ONLY- 260±.)

6) ALL WATERMAIN SHALL BE 8" DIP CL 53 UNLESS OTHERWISE NOTED ON PLANS.

7) ALL SANITARY SEWERS SHALL BE PVC SDR 26 UNLESS NOTED ON PLANS.

8) ALL EXISTING STRUCTURE RIMS SHALL BE ADJUSTED TO MATCH PROPOSED GRADES.



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CLIENT :

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ST. CHARLES, ILLINOIS 60175
(630) 584-0042

NO.	DATE	NATURE OF REVISION	CHKD.
2	7/31/03	SANITARY REVISION PER BRADY	
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

DSGN.	JRH/MSK
DWN.	DJV
CHKD.	JLS
SCALE :	1" = 40'
FILE NAME:	98-902K-UT.dwg

TITLE :

HERON CREEK
COUNTRY ESTATE LOTS

UTILITY PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 20 OF 42
DRAWING NO.
UT1

FUTURE COMMERCIAL AREA

128
(PRIVATE PARK)

128
(PRIVATE PARK)

ROUTE 23

TEWKSBERRY DRIVE

MATCHLINE (SEE SHEET UT3)

MATCHLINE (SEE SHEET UT4)

MATCHLINE (SEE SHEET UT1)

MH-403
A50, 1C
R=842.00
I=833.73,W,E
I=835.73,S
I=838.00(4")

36" STUB
I=833.82

30'-36" RCP
@ 0.30%

103
MH-404
A4D, 1C
R=845.20
I=838.62,N,E
I=839.63,S

20'-12" RCP
@ 1.00%

LOWER WM
B/STM=839.7
T/WM=837.7

70'-12" RCP @ 1.00%

CB-408
A4D, 3P*
R=844.13
I=839.83

S-10
R=844.82
I=837.39

MH-405
A4D, 1C
R=846.0
I=840.16,W,SE
I=842.00(6"&4")

FH-17
GR=846.5

205'-12" RCP @ 0.75%

104
30'-12" RCP
@ 0.75%

LOWER WM
B/STM=841.14
T/WM=839.14

105
S-11
R=848.24
I=839.10

CB-406
A4D, 3P*
R=845.57
I=841.27

270'-6" PVC @ 1.11%

106
SS-405A
R=850.6
I=845.0(6"&4")

S-4
R=850.24
I=843.24

FH-18
GR=850.5

L-21

30'-12" RCP
@ 1.00%

339'-8" PVC @ 0.50%

118
CB-409
A4D, 3P*
R=844.13
I=840.13

B/STM=839.83
T/SAN=837.93

119

L-20

B/STM=841.27
T/SAN=839.12

120
CB-407
A4D, 3P*
R=845.57
I=841.57

30'-12" RCP
@ 1.00%

121

107
S-3
R=849.25
I=840.10,S
I=840.20,N

FH-19
GR=850.3

SS-326A
R=850.10
I=846.1(6"&4")

T/SAN=840.74
B/STM=842.35

122
CB-325
A4D, 3P*
R=848.79
I=842.44

35'-12" RCP
@ 0.45%

77'-12" RCP
@ 0.45%

50'-6" PVC
@ 3.20%

LOWER WM
B/STM=844.70
T/WM=842.70

108
CB-326
A4D, 3P*
R=848.79
I=842.59,W
I=844.50(6")

LOWER WM
B/STM=844.50
T/WM=842.50

L-22

60'-6" PVC
@ 1.00%

SS-326B
R=849.10
I=845.1(6"&4")

109

177'-18" RCP @ 0.80%

MH-317
A4D, 4B
R=843.00
I=837.43,E
I=836.83,W
I=839.00(4")

113

MH-318
A4D, 4B
R=844.00
I=838.85
I=840.00(4")

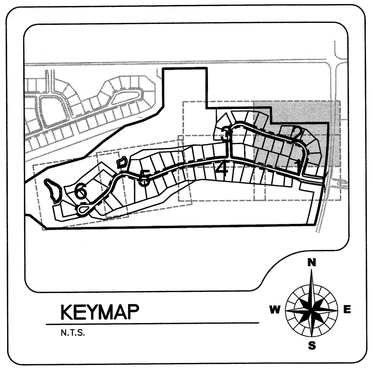
112

185'-18" RCP @ 0.50%

153'-15" RCP @ 0.60%

111
MH-319
A4D, 4B
R=847.10
I=839.77,W
I=840.37,E
I=843.00(4")

110
MH-320
A4D, 1C
R=848.90
I=841.29,S,W
I=842.09,N



NOTE:

1. FOR CONSTRUCTION NOTES & LEGENDS, SEE SHEET UT1

N
W E
S

0' 40' 80' 120'

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(630) 584-0042

NO.	DATE	NATURE OF REVISION	CHKD.
2	7/31/03	SANITARY REVISION PER BRADY	
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-UT.dwg	

TITLE :

HERON CREEK
COUNTRY ESTATE LOTS

UTILITY PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 21 OF 42
DRAWING NO.
UT2

30" STUB
I=832.62
PLUG AND STAKE END

30'-30" RCP
@ 0.30%

MH-401
A6D, 4B
R=837.20
I=832.13,E,W
I=833.73,S
I=832.53,N

PLUG & STAKE END
I=836.30

FUTURE COMMERCIAL AREA

PLUG, BLOCK, AND STAKE END

(2" BLOW-OFF, SEE D1)

FH-20
GR=837.8

VV-6
R=839.0

LOWER WM
B/STM=831.97
T/WM=829.97

lower & open lid

MH-402
A5D, 1C
R=840.00
I=833.19
I=836.00(4")

128
(PRIVATE PARK)

355'-36" RCP @ 0.30%

25'-36" RCP
@ 0.50%

E-400
I=832.00

30'-8" PVC
@ 0.50%

S-12
R=842.00
I=836.15

LOWER WM
B/SAN=835.48
T/WM=833.48

101

102

103

180'-36" RCP @ 0.30%

195'-12" RCP @ 1.00%

155'-8" PVC @ 0.50%

VV-2
R=842.8

S-9
R=842.99
I=835.84

FH-15
GR=843.6

LOWER WM
B/STM=837.37
T/WM=835.37

100

CB-411
A4D, 3P*
R=841.85
I=837.5

40'-12" RCP
@ 1.00%

B/STM=837.60
T/SAN=836.24

92'-8" PVC @ 0.50%

310'-8" PVC @ 0.50%

TEWKSBERRY DRIVE

FH-16
GR=845.0

MATCHLINE (SEE SHEET UT2)

(PRIVA

L-18

L-19

S-8
R=842.37
I=835.38

106'-8" PVC @ 0.50%

S-7
R=841.71
I=834.86

99

FH-14
GR=841.8

CB-412
A4D, 3P*
R=841.97
I=837.9

116

B/STM=835.17
T/SAN=834.95

117

118

119

EXISTING
DETENTION
BASIN

CB-313
A5D, 3P
R=840.86
I=835.30

L-17

35'-24" RCP
@ 0.45%

CB-314
A5D, 3P
R=840.86
I=835.46

LOWER WM
B/STM=835.03
T/WM=833.03

44'-24" RCP
@ 0.35%

MH-316
A5D, 4B
R=841.00
I=836.10

Sump

NWL 832

HWL 836

27'-24" RCP
@ 0.55%

137'-24" @ 0.35%

MATCHLINE (SEE SHEET UT4)

MH-315
A5D, 1C
R=842.00
I=835.62

245'-24" RCP @ 0.30%

TEWKSBERRY DRIVE

95

96

97

98

115

114

113

HERON CREEK DRIVE

MATCHLINE (SEE SHEET UT5)

75

74

73

72

KEYMAP
N.T.S.

NOTE:

1. FOR CONSTRUCTION NOTES & LEGENDS, SEE SHEET UT1

0' 40' 80' 120'

CHRISTOPHER B. BURKE ENGINEERING WEST, LTD.
116 West Main Street, Suite 201
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(630) 443-7755

CLIENT :
B & B ENTERPRISES
40W320 LA FOX ROAD, SUITE E
ST. CHARLES, ILLINOIS 60175
(630) 584-0042

NO.	DATE	NATURE OF REVISION	
2	7/31/03	SANITARY REVISION PER BRADY	
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS
			CHKD.

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-UT.dwg	

TITLE :
HERON CREEK
COUNTRY ESTATE LOTS

UTILITY PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 22 OF 42
DRAWING NO.
UT3

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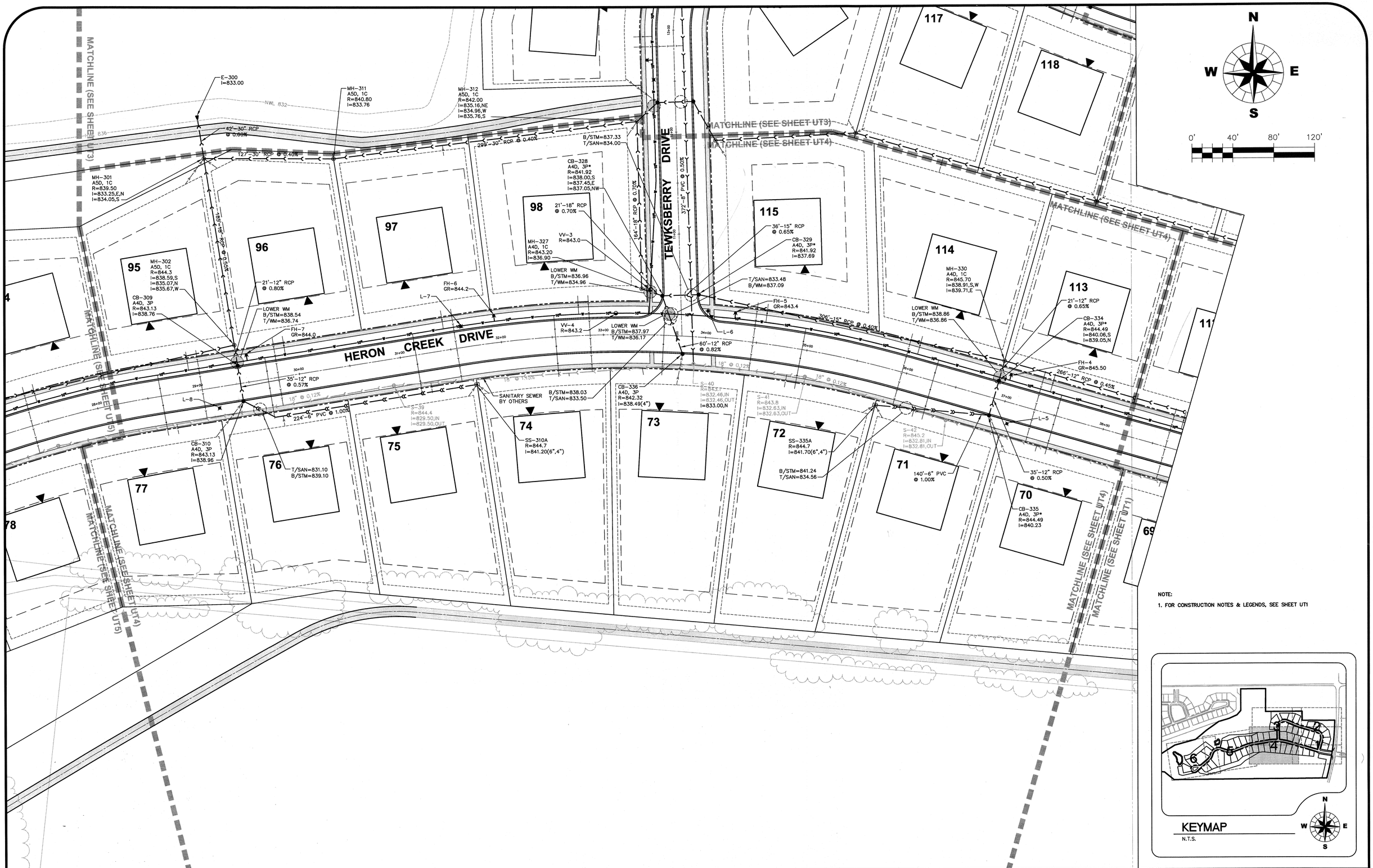

NOTE:

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NO.	DATE	NATURE OF REVISION	CHKD.
2	7/31/03	SANITARY REVISION PER BRADY	
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

DSGN.	JRH/MSK
DWN.	DJV
CHKD.	JLS
SCALE :	1" = 40'
FILE NAME:	98-902K-UT.dwg

TITLE :

HERON CREEK
COUNTRY ESTATE LOTS

UTILITY PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 23 OF 42
DRAWING NO.
UT4

I=831.56
(CORE DRILL)

170'-12" RCP @ 0.23%

127
(PRIVATE PARK)

MATCHLINE (SEE SHEET UT3)

20'-12" RCP
@ 0.23%

MH-701 (WITH 4" RESTRICTOR)
A4D, 1C
R=837.4
I=831.95
I=831.95 (4" RESTRICTOR)
(SEE D2 FOR DETAIL)

E-700, 12"
I=832.00

DETENTION
BASIN
"F4"

NWL 832

HWL 836

E-200
I=832.00

SEE PP7, FOR WATERMAIN
PLAN AND PROFILE

MATCHLINE (SEE SHEET UT1)

S-34
R=841.8
I=828.05,IN
I=828.05,OUT
I=828.72,S

80'-12" RCP
@ 0.60%

B/WM=838.72
T/SAN=829.78

T/STM=833.61
B/WM=838.46

CB-201
A4D, 3P
R=844.51
I=837.02,S
I=832.48,N

VV-5
R=845.6

35'-12" RCP
@ 0.30%

VV-6
R=845.0

FH-11
GR=846.0

B/WM=839.10
T/SAN=830.56

89

35'-12" RCP
@ 0.45%

L-13

CB-202
A4D, 3P
R=844.51
I=837.11

B/WM=838.50
T/SAN=829.88

L-12

CB-105
A4D, 3P
R=844.87
I=839.33,E
I=839.53,W,(4")

S-14
R=845.31
I=830.94,N
I=831.04,S

S-35
R=846.1
I=828.39,IN
I=828.39,OUT

B/STM=839.58
T/SAN=832.12

MH-107
A4D, 4B
R=844.00
I=839.83

55'-12" RCP
@ 0.30%

83

L-14

CB-106
A4D, 3P
R=844.87
I=839.66(4")

LOWER WM
B/STM=839.32
T/WM=837.52

84

MATCHLINE (SEE SHEET UT6)

90

SS-304A
R=846.7
I=842.70(6",4")

FH-10
GR=846.5

91

CB-305
A4D, 3P
R=843.55
I=839.33

145'-6" PVC
@ 1.40%

MH-304
A4D, 1C
R=844.70
I=839.23,E,S
I=840.70(6",4"),W

21'-12" RCP
@ 0.45%

92

LOWER WM
B/STM=839.15
T/WM=837.15

FH-9
GR=845.0

297'-15" RCP @ 0.45%

93

MH-303
A4D, 1C
R=845.10
I=838.10,S
I=837.30,E
I=837.90,W

CB-307
A4D, 3P
R=843.52
I=838.24,N
I=839.15,S

94

21'-12" RCP
@ 0.70%

LOWER WM
B/STM=838.06
T/WM=836.06

FH-8
GR=844.5

271'-15" RCP @ 0.60%

L-9

35'-12" RCP
@ 0.60%

B/STM=839.52
T/SAN=830.69

CB-308
A4D, 3P
R=843.52
I=839.36

HERON CREEK DRIVE

L-11

35'-12" RCP
@ 0.45%

L-10

SS-308A
R=844.7
I=839.41(6",4")

78

S-38
R=844.5
I=829.10,IN
I=829.10,OUT

45'-6" PVC
@ 1.00%

77

MATCHLINE (SEE SHEET UT4)

195'-6" PVC
@ 1.45%

82

S-36
R=845.5
I=828.55,IN
I=828.55,OUT

SS-306B
R=846.6
I=842.50(6",4")

CB-306
A4D, 3P
R=843.55
I=839.48(6")

81

20'-6" PVC
@ 1.00%

80

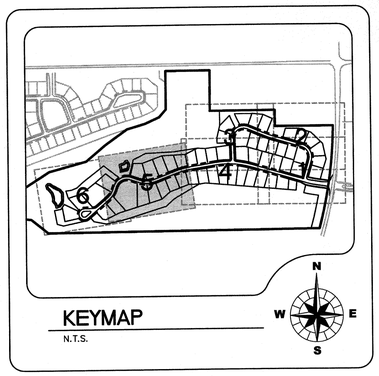
B/STM=839.43
T/SAN=829.44

SS-306A
R=844.5
I=839.68(6",4")

79

S-37
R=844.5
I=828.70,IN
I=828.70,OUT

124
(PRIVATE PARK)



NOTE:

1. FOR CONSTRUCTION NOTES & LEGENDS, SEE SHEET UT1
2. FOR REMOVAL OF EXISTING WELL & SEPTIC FOR LOTS 91 & 83, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEEK PERMIT FROM THE DEKALB COUNTY DEPARTMENT OF HEALTH (DCDOH). ALL REMOVAL SHALL MEET THE DCDOH REQUIREMENTS. DCDOH PHONE# 815-758-6673

N
W E
S

0' 40' 80' 120'

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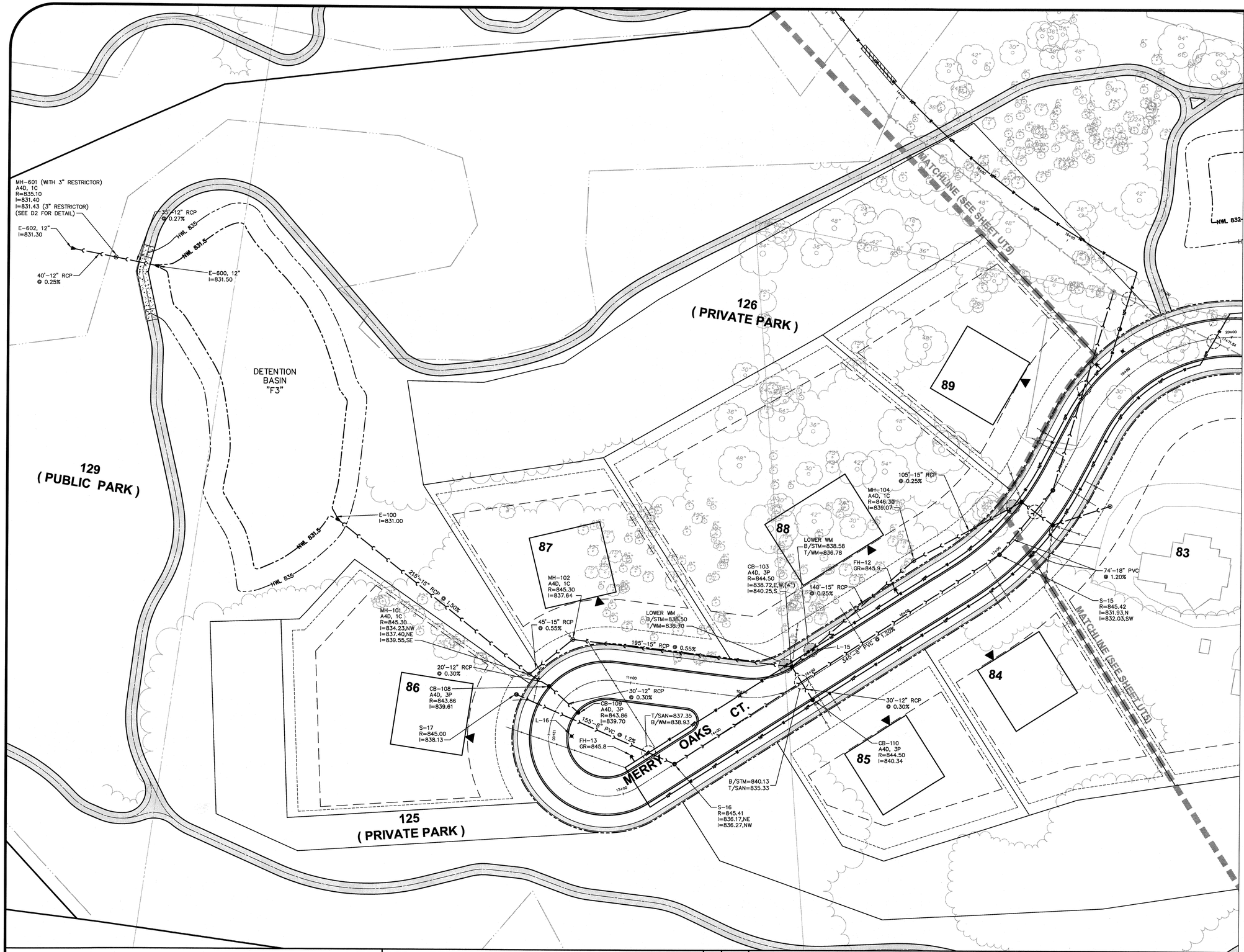
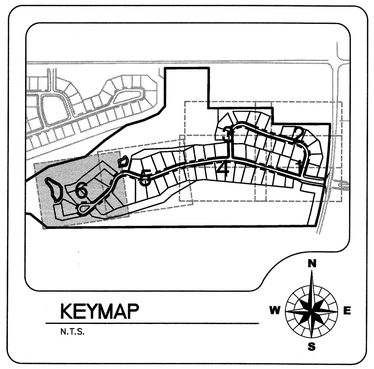
NO.	DATE	NATURE OF REVISION	CHKD.
2	7/31/03	SANITARY REVISION PER BRADY	
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-UT.dwg	

TITLE :
HERON CREEK COUNTRY ESTATE LOTS
UTILITY PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 24 OF 42
DRAWING NO.
UT5





NOTE:

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NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 40'	
FILE NAME:	98-902K-UT.dwg	

TITLE :

HERON CREEK
COUNTRY ESTATE LOTS

UTILITY PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 25 OF 42
DRAWING NO.
UT6

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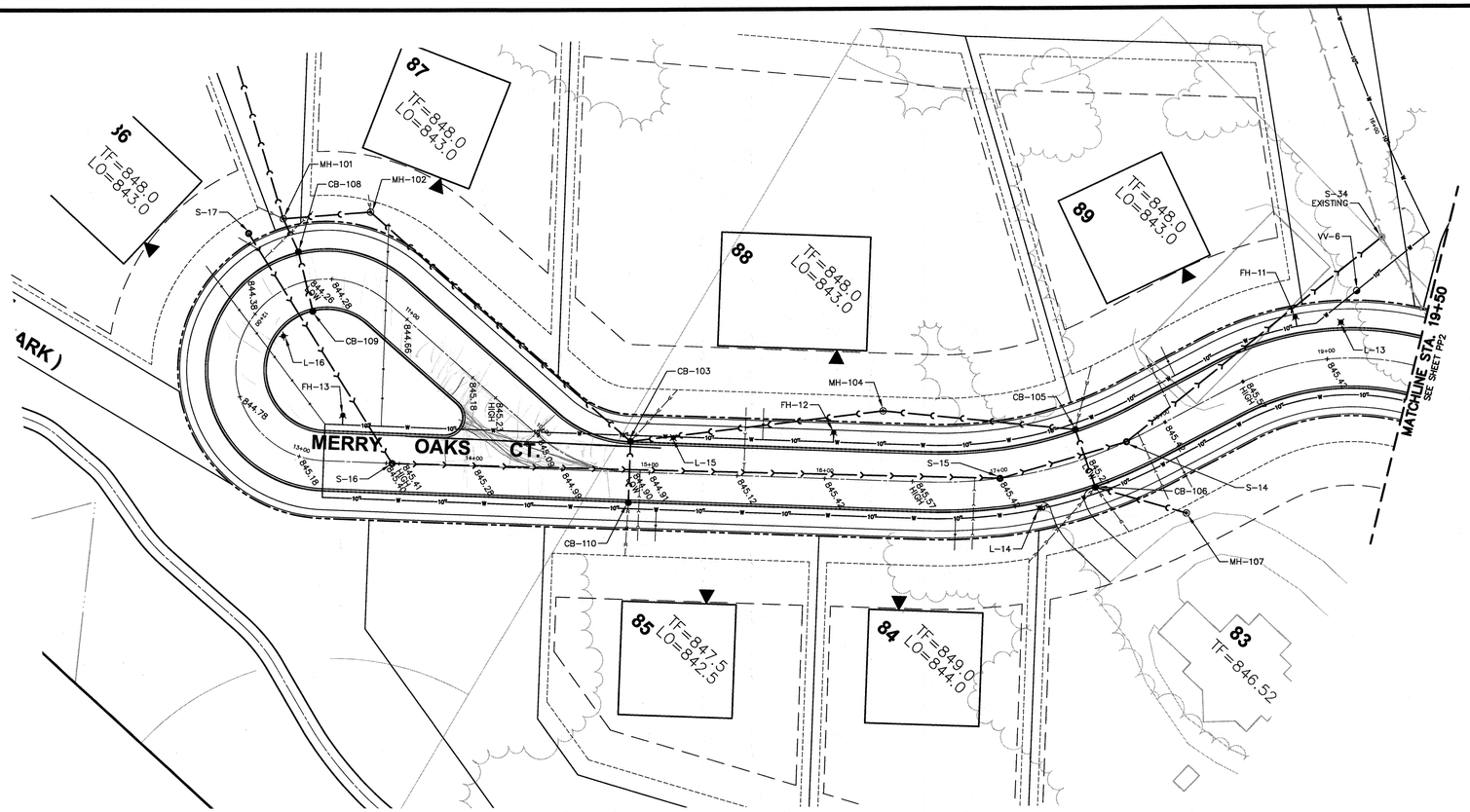

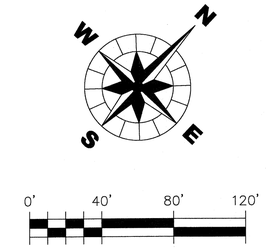

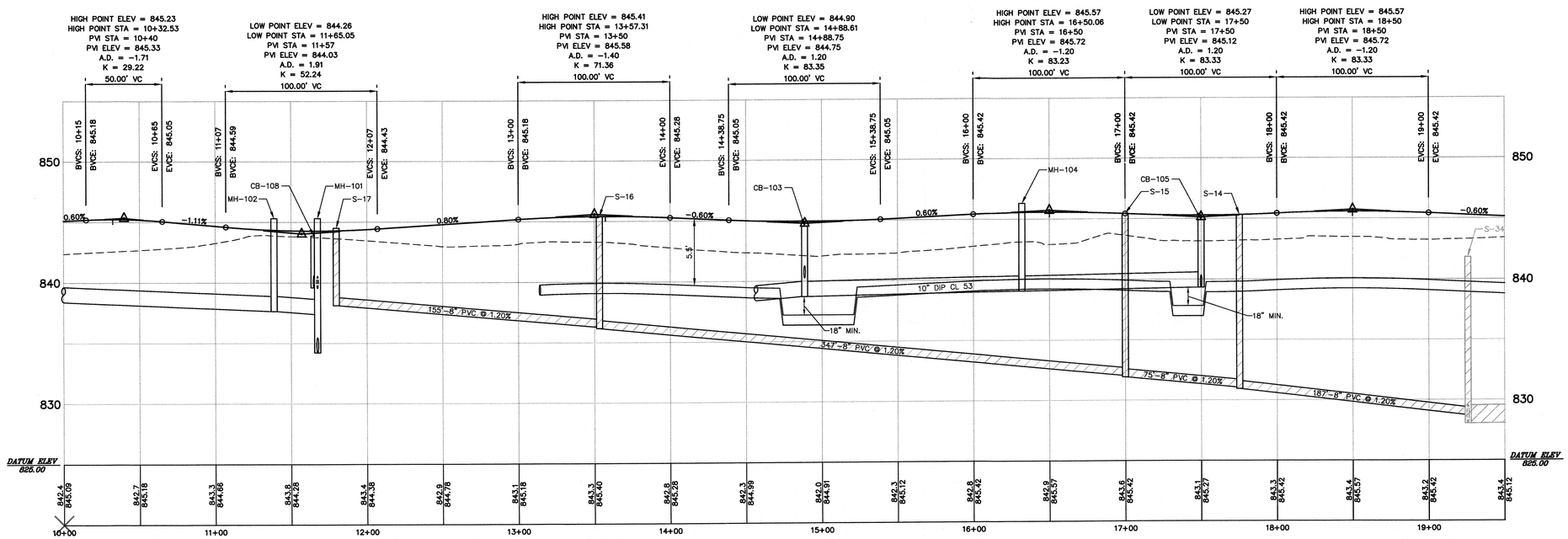

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ST. CHARLES, ILLINOIS 60175
(630) 584-0042

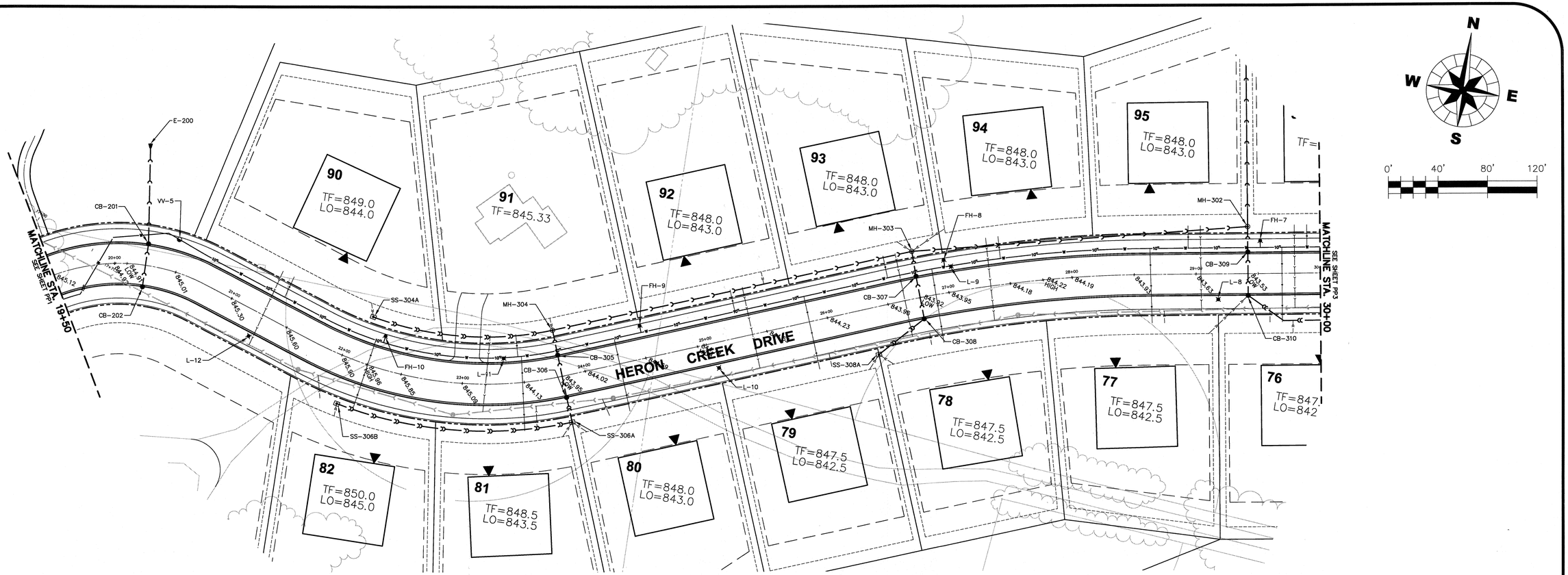
NO.	DATE	NATURE OF REVISION	CHKD.

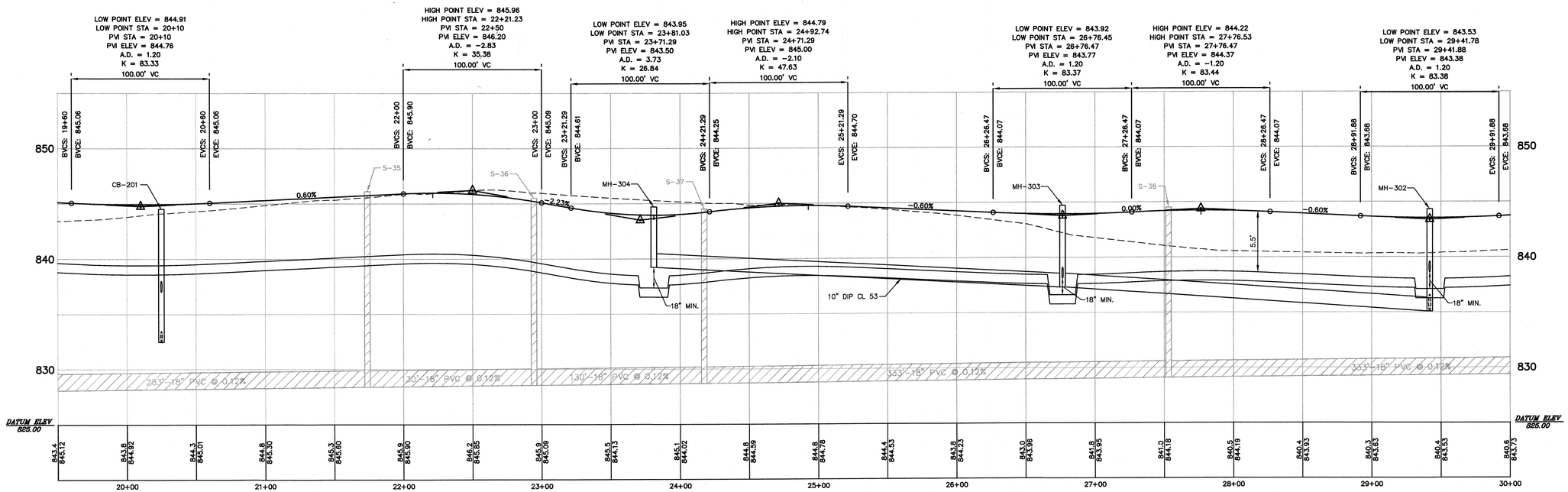
DSGN.	JRH/MSK
DWN.	DJV
CHKD.	JLS
SCALE :	H: 1" = 40', V: 1" = 5'
FILE NAME:	98-902K-P&P.dwg

TITLE :
HERON CREEK
COUNTRY ESTATE LOTS

PLAN AND PROFILES

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 26 OF 42
DRAWING NO.
PP1





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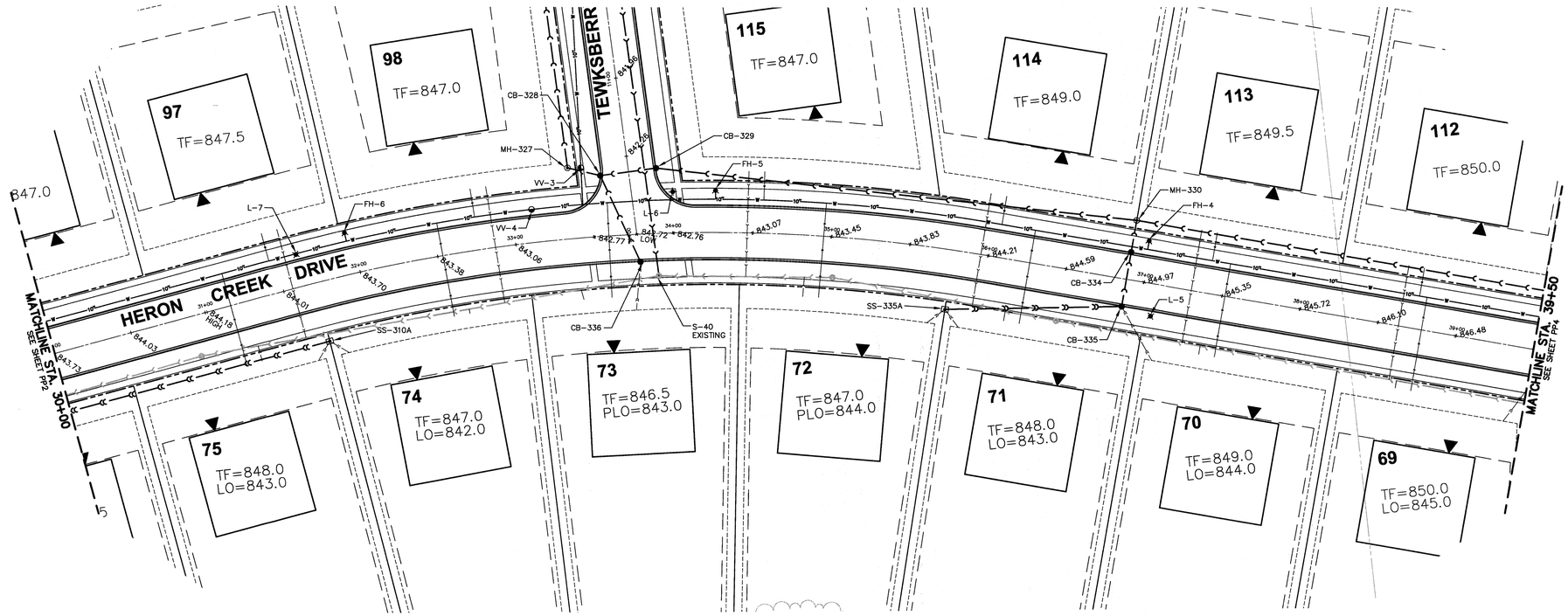
ST. CHARLES, ILLINOIS 60175
(630) 584-0042

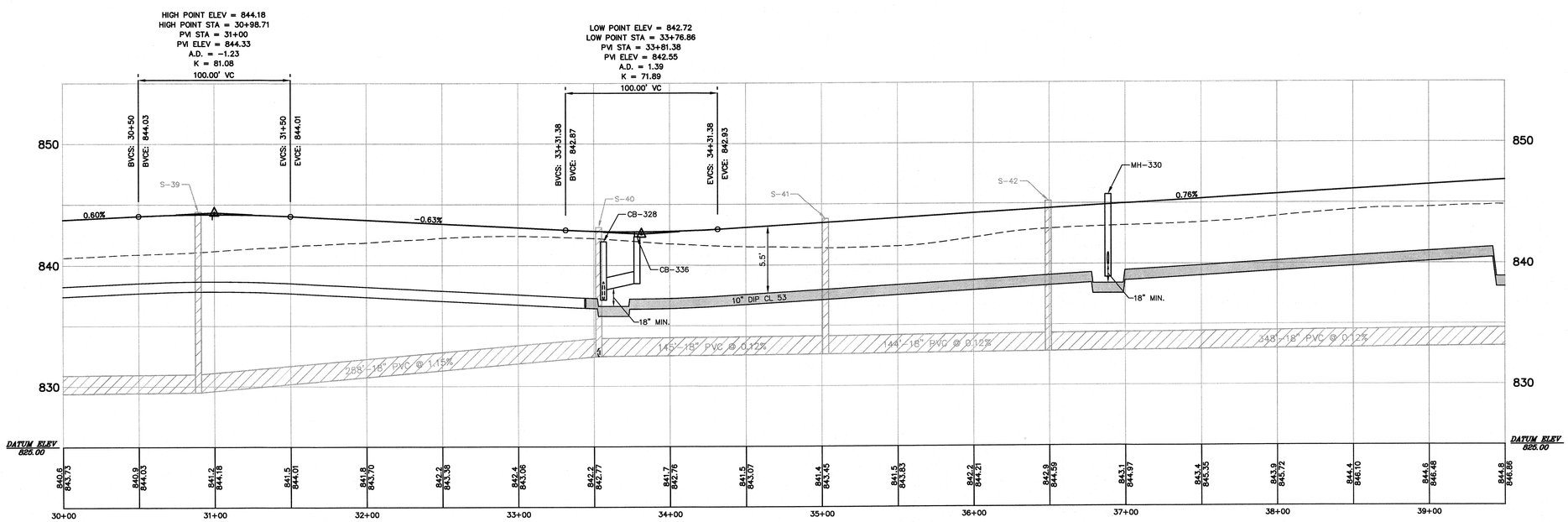
NO.	DATE	NATURE OF REVISION	CHKD.
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

DSGN.	JRH/MSK
DWN.	DJV
CHKD.	JLS
SCALE :	H: 1" = 40', V: 1" = 5'
FILE NAME:	98-902K-P&P.dwg

TITLE :
HERON CREEK
COUNTRY ESTATE LOTS
PLAN AND PROFILES

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 27 OF 42
DRAWING NO.
PP2





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NO.	DATE	NATURE OF REVISION	CHKD.
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

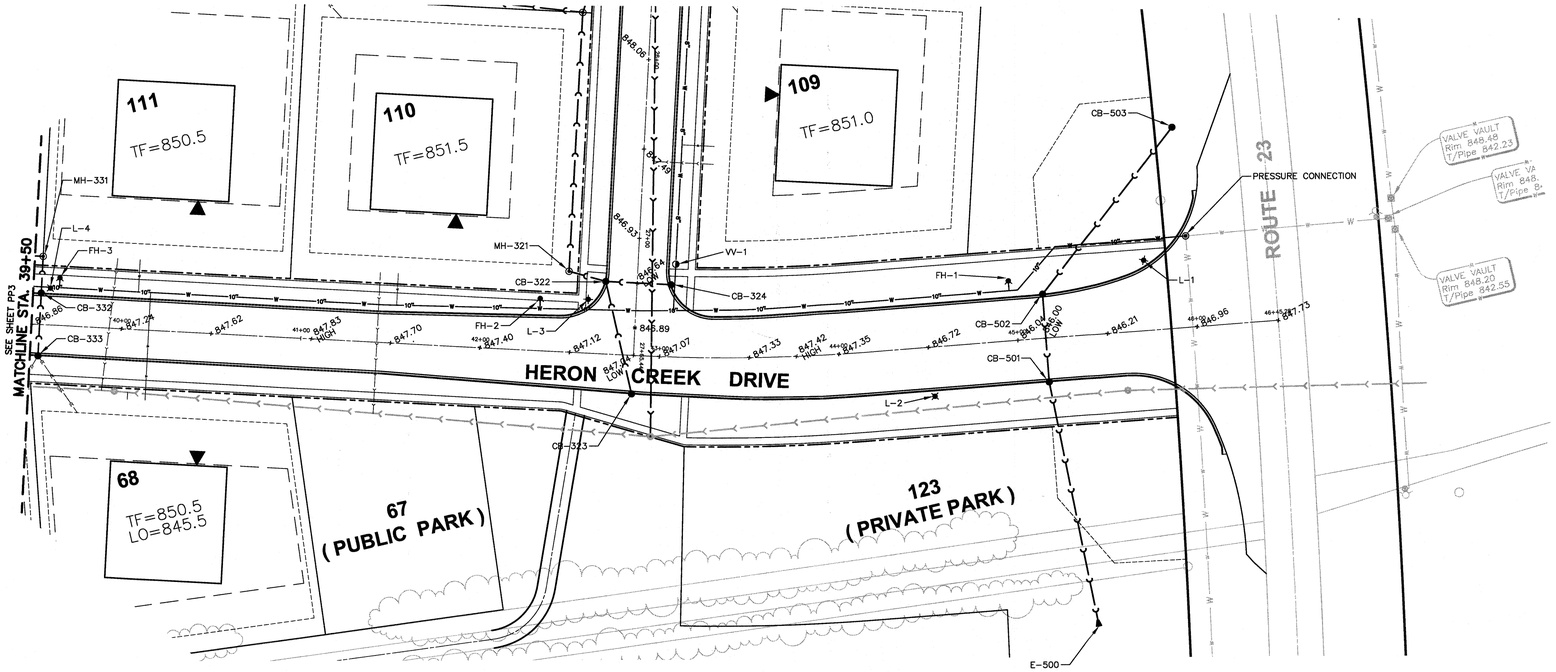
DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	H: 1" = 40', V: 1" = 5'	
FILE NAME:	98-902K-P&P.dwg	

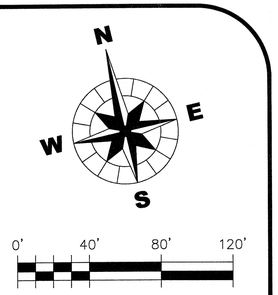
TITLE :

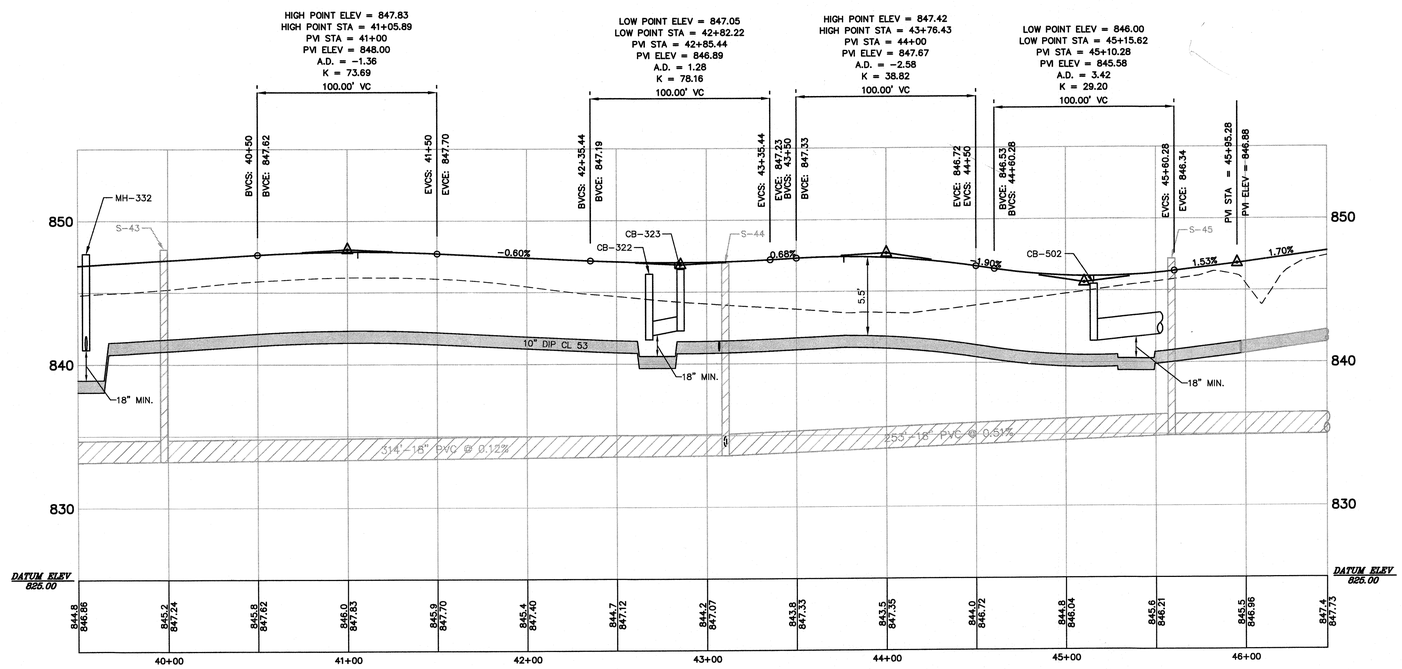
HERON CREEK COUNTRY ESTATE LOTS

PLAN AND PROFILES

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 28 OF 42
DRAWING NO.
PP3







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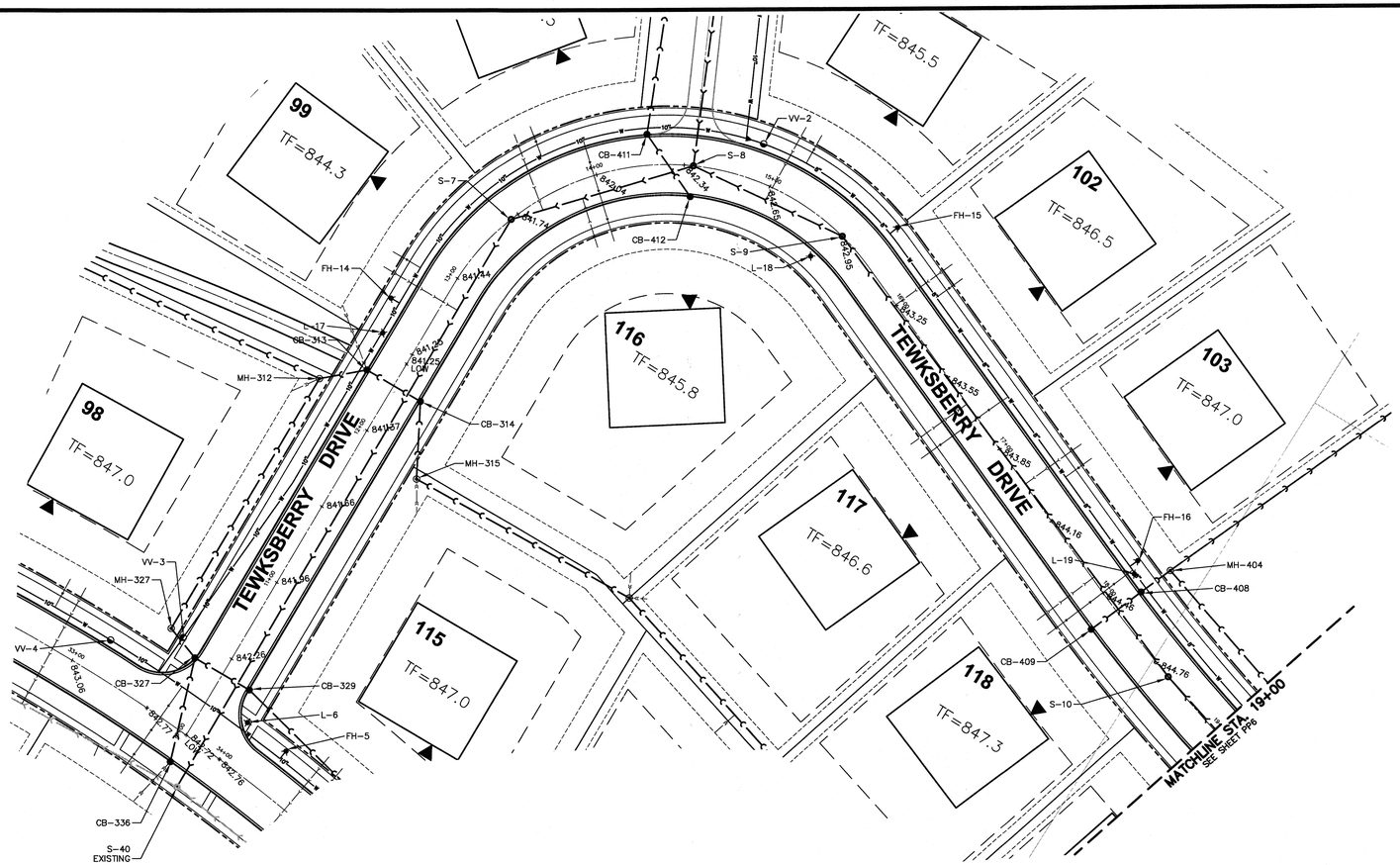
NO.	DATE	NATURE OF REVISION	CHKD.
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

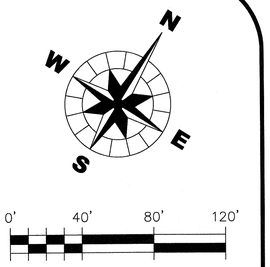
DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	H: 1" = 40', V: 1" = 5'	
FILE NAME:	98-902K-P&P.dwg	

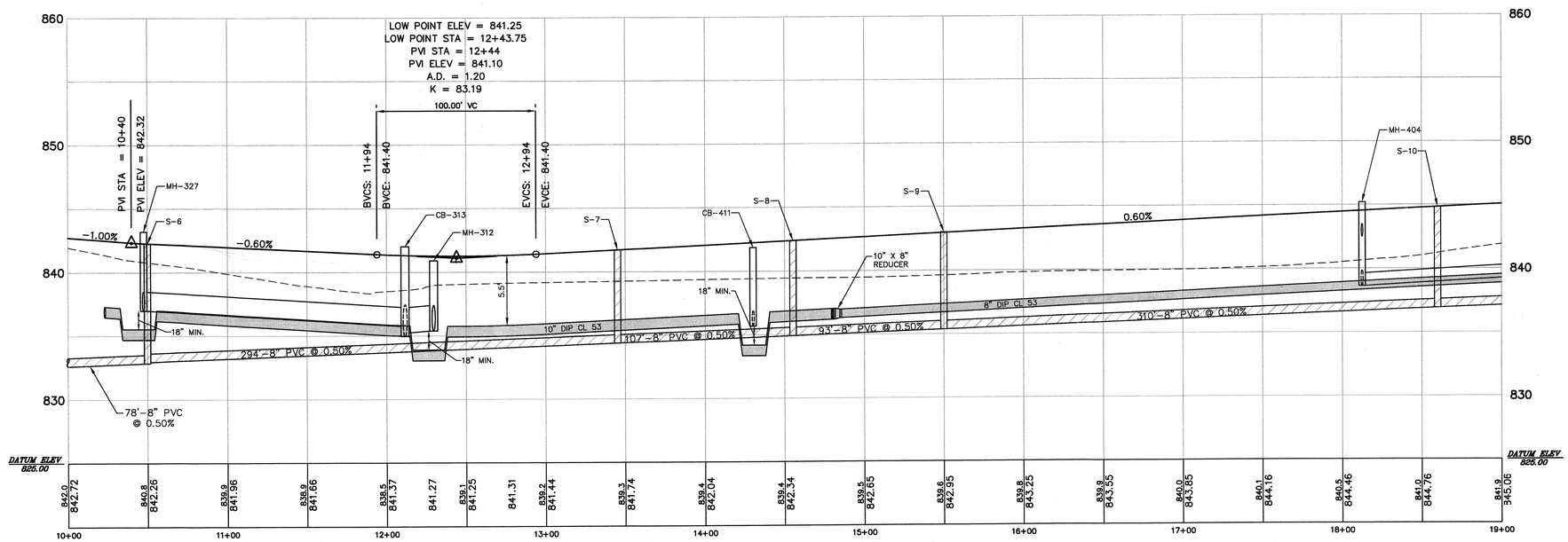
TITLE :
HERON CREEK
COUNTRY ESTATE LOTS

PLAN AND PROFILES

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 29 OF 42
DRAWING NO.
PP4







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NO.	DATE	NATURE OF REVISION	CHKD.
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

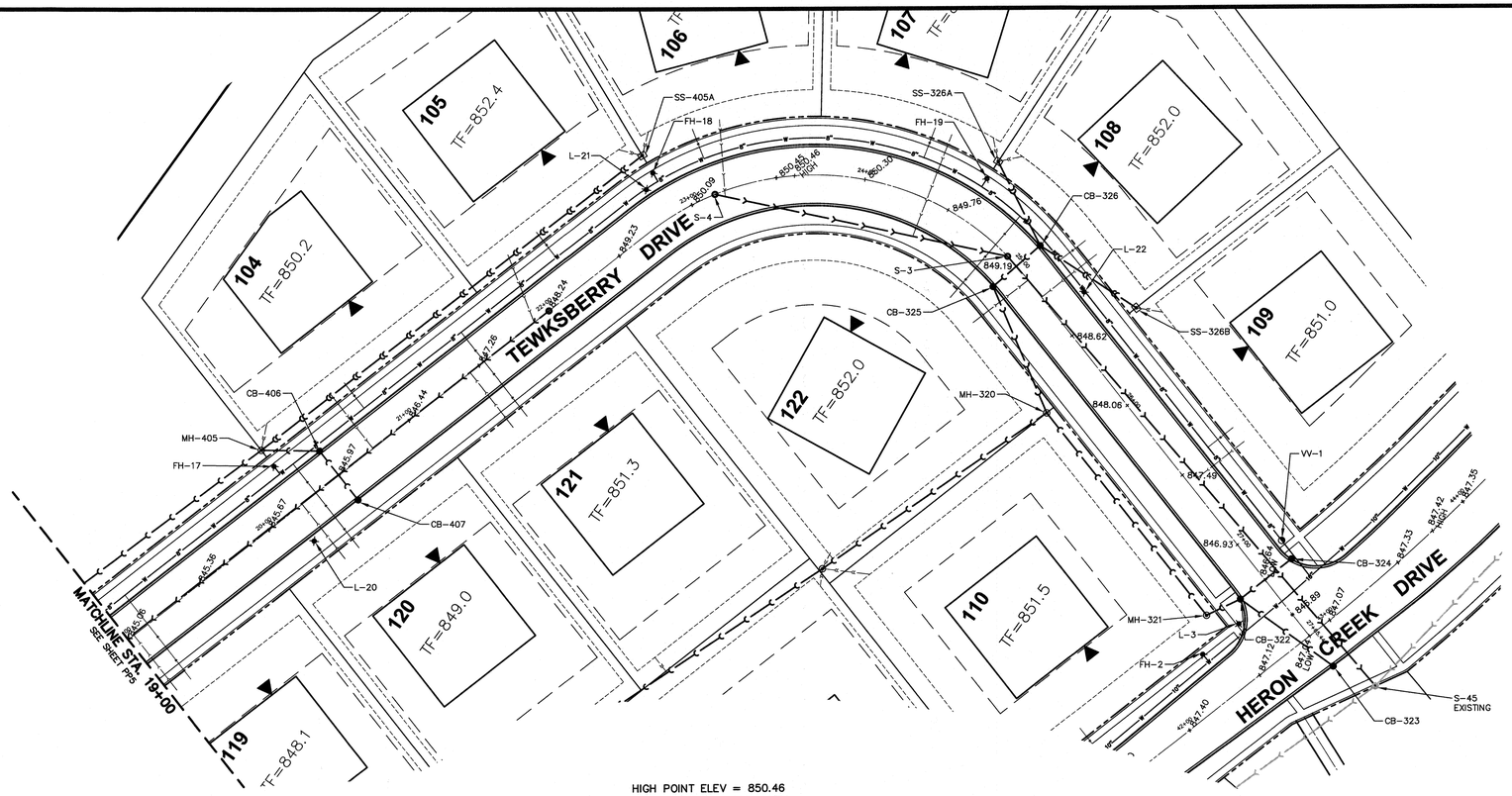
DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	H: 1" = 40', V: 1" = 5'	
FILE NAME:	98-902K-P&P.dwg	

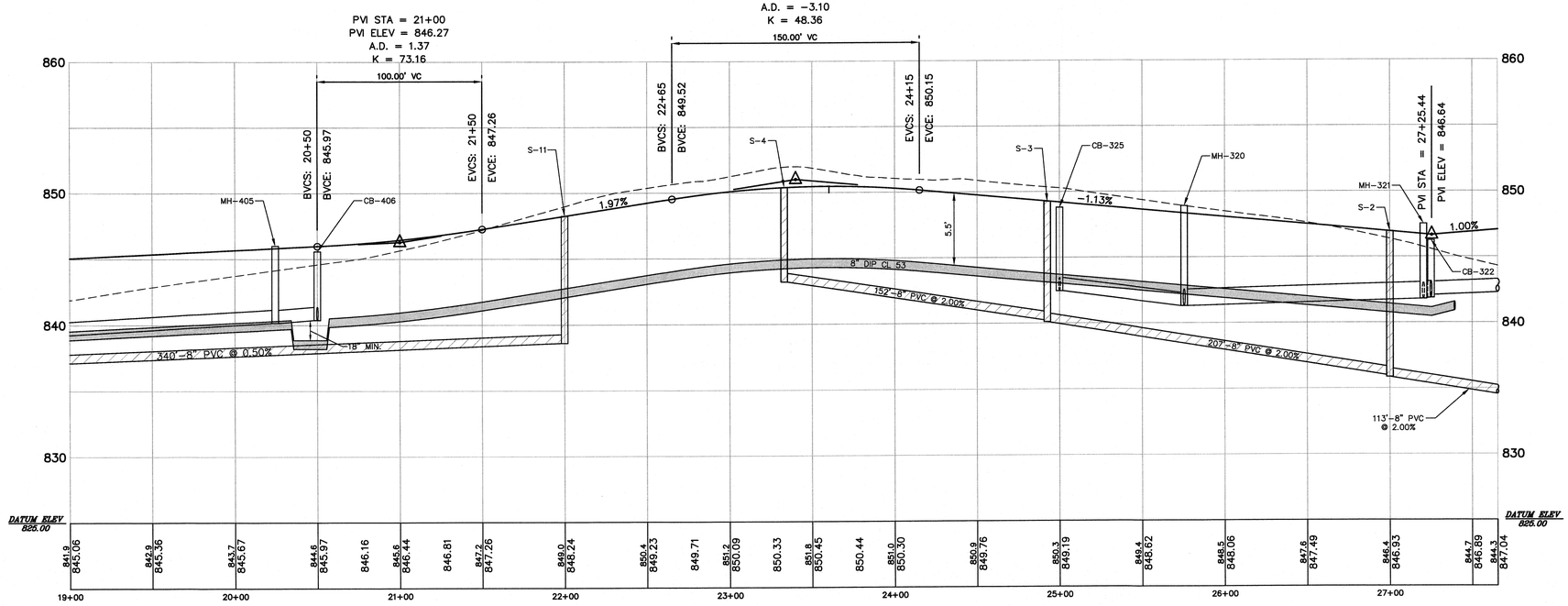
TITLE :

HERON CREEK
COUNTRY ESTATE LOTS

PLAN AND PROFILES

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 30 OF 42
DRAWING NO.
PP5





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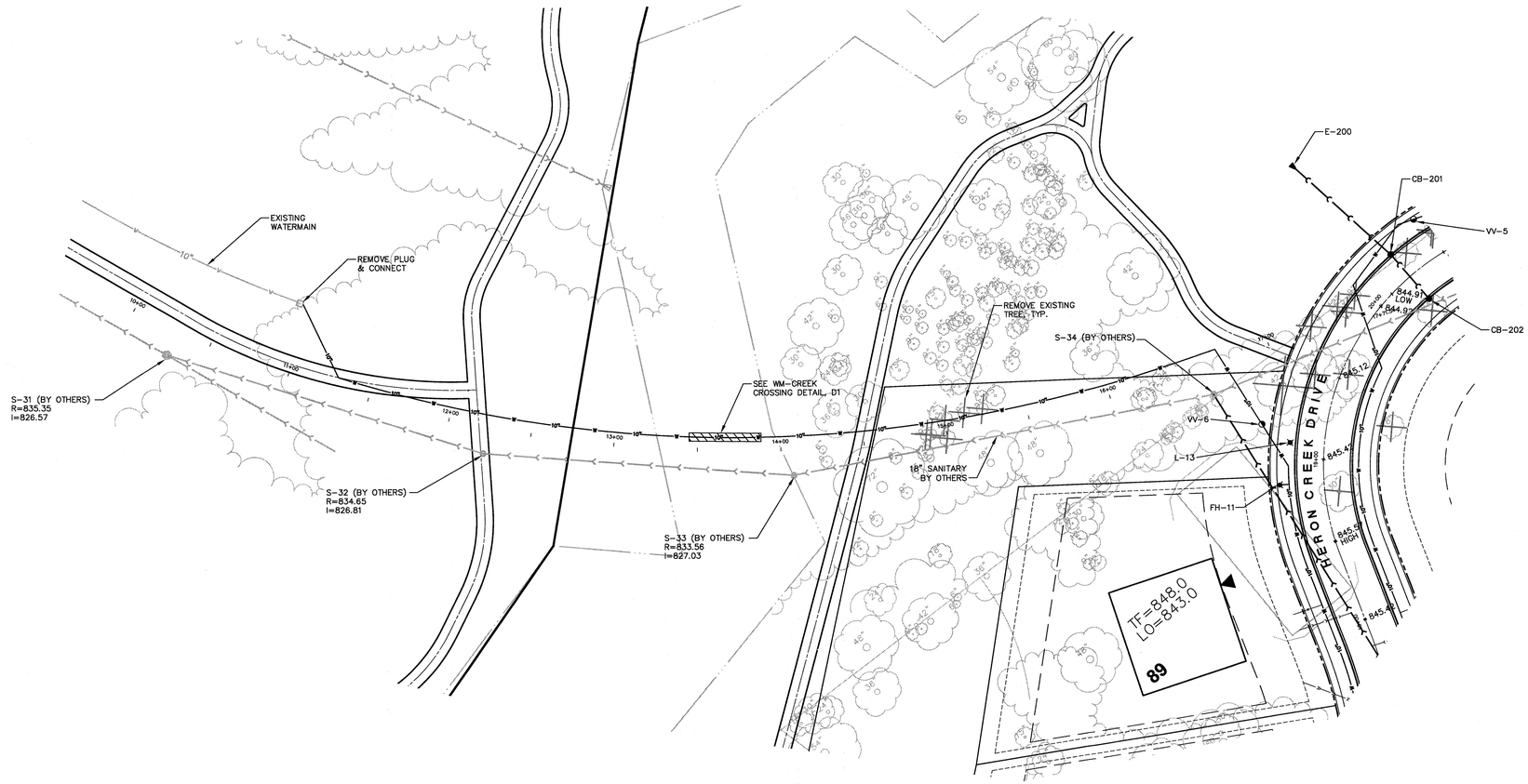
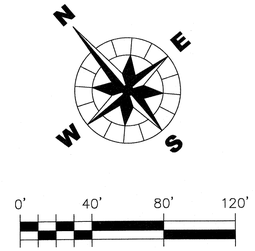
NO.	DATE	NATURE OF REVISION	CHKD.
1	6/27/03	LOWER TEWKSBERRY DRIVE PER OFFICE REVIEW	JLS

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	H: 1" = 40', V: 1" = 5'	
FILE NAME:	98-902K-P&P.dwg	

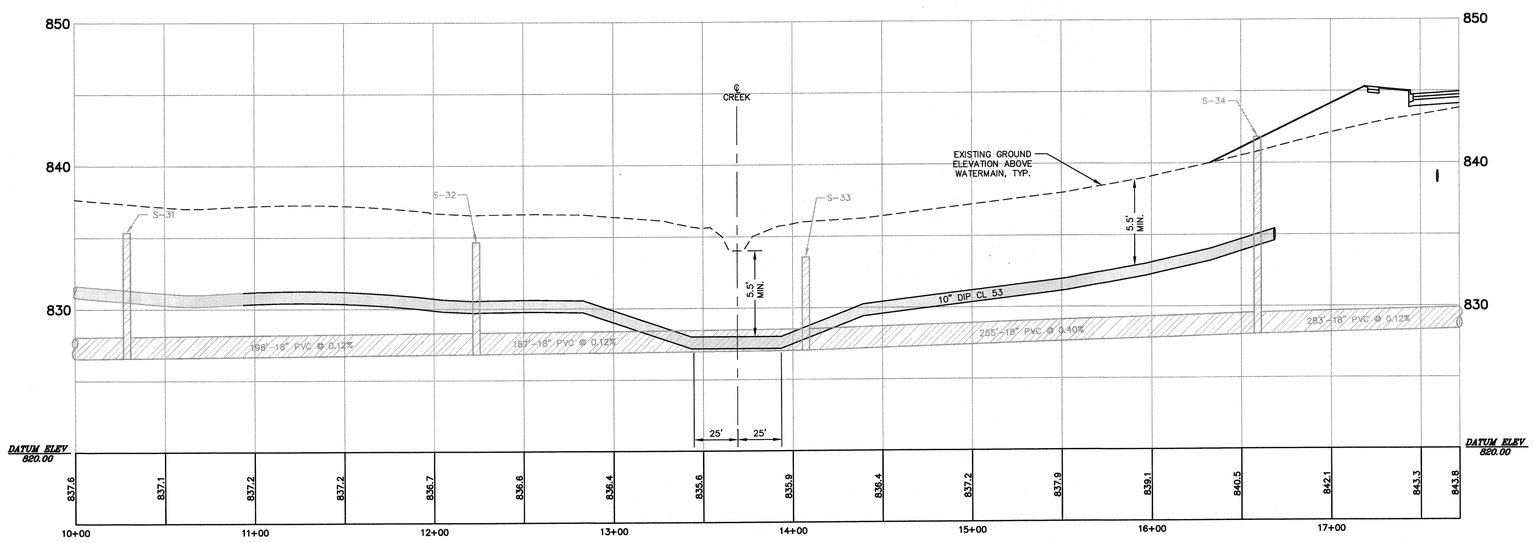
TITLE :
HERON CREEK
COUNTRY ESTATE LOTS
PLAN AND PROFILES

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 31 OF 42
DRAWING NO.
PP6





NOTE: ALL DISTURBED AREAS DUE TO THE CONSTRUCTION OF WATERMAIN SHALL BE RESTORED WITH 4" TOPSOIL AND SEED.



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NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	H: 1" = 40', V: 1" = 5'	
FILE NAME:	98-902K-P&P.dwg	

TITLE :
HERON CREEK COUNTRY ESTATE LOTS

PLAN AND PROFILES

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 32 OF 42
DRAWING NO. **PP7**

NOTES:

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR100000, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

1. SITE DESCRIPTION

A. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY FOLLOWING MASS GRADING, WHICH IS THE SUBJECT OF THIS PLAN:

THE PROPOSED DEVELOPMENT CONSISTS OF CONSTRUCTION OF AN ENTRANCE BRIDGE AND INTERIOR ROADWAYS. THE CONSTRUCTION ACTIVITIES FOR SITE IMPROVEMENTS WILL INCLUDE: PAVEMENT CONSTRUCTION, INSTALLATION OF UTILITIES INCLUDING STORM SEWERS, SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, AS A MINIMUM.

B. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES, WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

THE SEQUENCE OF THE CONSTRUCTION ACTIVITIES MAY BE AS FOLLOWS: 1) INSTALL SILT FILTER FENCE AND STABILIZED CONSTRUCTION ENTRANCE, 2) UNDERGROUND UTILITIES INSTALLATION, 3) FINE GRADING IN PAVEMENT AREA AND 4) PAVEMENT CONSTRUCTION. THE SOIL EROSION AND SEDIMENTATION CONTROL ITEMS WILL BE CONSTRUCTED AS NEEDED DURING THE ABOVE CONSTRUCTION ACTIVITIES.

C. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 112 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED TO BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES, IS 51 ACRES.

D. THE ESTIMATED RUNOFF COEFFICIENTS OF THE VARIOUS AREAS OF THE SITE AFTER CONSTRUCTION ACTIVITIES ARE CONTAINED IN THE PROJECT DRAINAGE STUDY DATED MARCH 2003, PREPARED BY CHRISTOPHER B. BURKE ENGINEERING WEST, LTD., WHICH IS HEREBY INCORPORATED BY REFERENCE IN THIS PLAN. INFORMATION DESCRIBING THE SOILS AT THE SITE IS CONTAINED IN THE SOILS REPORT FOR THE PROJECT, PREPARED BY TESTING SERVICE CORPORATION WHICH IS HEREBY INCORPORATED BY REFERENCE, OR IN AN ATTACHMENT TO THIS PLAN.

2. CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE VARIOUS CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN 1.B ABOVE. FOR EACH MEASURE DISCUSSED, THE CONTRACTORS WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS, WHICH ARE ATTACHED TO, AND ARE A PART OF, THIS PLAN.

A. EROSION AND SEDIMENT CONTROLS

(I) STABILIZATION PRACTICES. PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE-SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. EXCEPT AS PROVIDED IN 2.A.(I). (A) AND 2.B., STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY WILL NOT OCCUR FOR A PERIOD OF TWENTY-ONE (21) OR MORE CALENDAR DAYS.

(A). WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASES IN PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING INTERIM AND PERMANENT STABILIZATION PRACTICES, AS A MINIMUM, WILL BE IMPLEMENTED TO STABILIZE THE DISTURBED AREA OF THE SITE:

1. PERMANENT SEEDING
2. VEGETATIVE FILTER
3. VEGETATIVE CHANNEL
4. STABILIZED CONSTRUCTION ENTRANCE
5. BARRIER FILTER D

(II) STRUCTURAL PRACTICES. PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

1. WATER QUALITY BASIN
2. STORM SEWER SYSTEM
3. VEGETATED DRAINAGE SWALES
4. PERMANENT SEEDING

B. STORMWATER MANAGEMENT

(I) PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORMWATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE CONTAINED IN IEPA'S STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENTATION CONTROL, AND OTHER ORDINANCES LISTED IN THE SPECIFICATIONS.

THE STORMWATER POLLUTANT CONTROL MEASURES SHALL INCLUDE:

1. SILT FILTER FENCE
2. DRAINAGE SWALES
3. STORM SEWERS
4. WATER QUALITY BASIN

(II) VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G., MAINTENANCE OF HYDROLOGIC CONDITIONS, SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

STORMWATER MANAGEMENT CONTROL INCLUDES:

1. VEGETATIVE CHANNELS
2. WATER QUALITY BASIN

C. OTHER CONTROLS

(I) WASTE DISPOSAL. THE SOLID WASTE MATERIALS INCLUDING TRASH, CONSTRUCTION DEBRIS, EXCESS CONSTRUCTION MATERIALS, MACHINERY, TOOLS AND OTHER ITEMS WILL BE COLLECTED AND DISPOSED OFF-SITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO ACQUIRE ANY PERMIT REQUIRED FOR SUCH DISPOSAL. BURNING ON THE SITE WILL NOT BE PERMITTED. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

(II) THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

THE SANITARY SEWAGE WILL BE DISCHARGED TO THE PROPOSED SANITARY SEWER CONSTRUCTED PER IEPA AND LOCAL STANDARDS.

D. APPROVED STATE OR LOCAL PLANS

THE MANAGEMENT PRACTICES, CONTROLS AND OTHER PROVISIONS CONTAINED IN THIS PLAN ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, DATED OCTOBER 1987, ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION PLAN, AND THE MUNICIPAL SUBDIVISION ORDINANCE. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION CONTROL SITE PLANS OR SITE PERMITS OR STORMWATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI TO BE AUTHORIZED TO DISCHARGE UNDER THIS PERMIT, INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

3. MAINTENANCE

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN AND STANDARD SPECIFICATIONS.

STABILIZED CONSTRUCTION ENTRANCE: THE ENTRANCE SHALL BE MAINTAINED TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC STREETS. THIS WILL BE DONE BY TOP DRESSING WITH ADDITIONAL STONES, REMOVE AND REPLACE TOP LAYER OF STONES OR WASHING THE ENTRANCE. THE SEDIMENT WASHED ON THE PUBLIC RI6%??6GHT-OF-WAY WILL BE REMOVED IMMEDIATELY.

VEGETATIVE EROSION CONTROL MEASURES: THE VEGETATIVE GROWTH OF TEMPORARY AND PERMANENT SEEDING, SODDING, VEGETATIVE CHANNELS, VEGETATIVE FILTER, ETC. SHALL BE MAINTAINED PERIODICALLY AND SUPPLY ADEQUATE WATERING AND FERTILIZER. THE VEGETATIVE COVER SHALL BE REMOVED AND RESEEDED AS NECESSARY.

WATER QUALITY BASINS: THE SEDIMENTS SHALL BE REMOVED WHEN 40-50 PERCENT OF THE TOTAL ORIGINAL CAPACITY IS OCCUPIED BY THE SEDIMENT. IN NO CASE SHALL THE SEDIMENT BE BUILT UP TO MORE THAN 1 FOOT BELOW THE CREST ELEVATION. AT THIS STAGE, THE BASIN SHALL BE CLEANED OUT TO RESTORE ITS ORIGINAL VOLUME.

SILT FILTER FENCE: THE DAMAGED SILT FILTER FENCE SHALL BE RESTORED TO MEET THE STANDARDS OR REMOVED AND REPLACED AS NEEDED.

4. INSPECTIONS

THE OWNER, OR OWNER'S REPRESENTATIVE SHALL PROVIDE QUALIFIED PERSONNEL TO INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE, WHICH HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

A. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL, FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURE ARE EFFECTIVE IN PREVENTING SIGNIFICANT SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION 1 ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION 2 ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE INSPECTION.

C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION , NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORMWATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION 4.B. SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI.G OF THE GENERAL PERMIT.

D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER OR RESIDENT TECHNICIAN SHALL COMPLETE AND FILE AND "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION. THE RESIDENT ENGINEER OR RESIDENT TECHNICIAN SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI.G OF THE GENERAL PERMIT. THE REPORT OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: COMPLIANCE ASSURANCE SECTION
2200 CHURCHILL ROAD
POST OFFICE BOX 19276
SPRINGFIELD, IL 62794-9276

5. NON-STORMWATER DISCHARGES

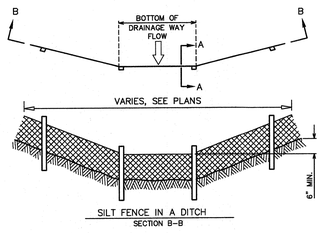
EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORMWATER THAT MAY BE COMBINED WITH STORMWATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN, ARE DESCRIBED BELOW:

1. WATERING FOR DUST CONTROL
2. IRRIGATION DRAINAGE FOR VEGETATIVE GROWTH FOR SEEDING, ETC.

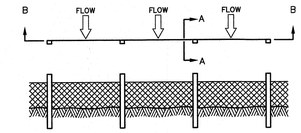
THE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR NON-STORMWATER COMPONENTS OF THE DISCHARGE:

THE EROSION DUE TO IRRIGATION OF SEEDING SHALL BE CONSIDERED MINOR.

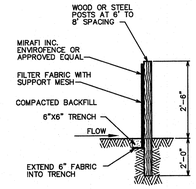
STRUCTURE NUMBER	INLET PIPE SIZE d (IN)	DISCHARGE Q (CFS)	LENGTH OF APRON L (FT)	MEDIAN RIPRAP SIZE C (IN)	WIDTH OF APRON U/S FACE 3d (FT)	WIDTH OF APRON D/S FACE 3d+L (FT)	DEPTH OF RIPRAP Y (IN)
E100	15	7.91	10	RR4	3.8	13.8	18
E200	12	2.76	10	RR4	3.0	13.0	18
E300	30	31.64	10	RR4	7.5	17.5	18
E400	36	48.09	10	RR4	9.0	19.0	18
E500	18	7.43	10	RR4	4.5	14.5	18
E602	12	5.00	10	RR4	3.0	13.0	18



SILT FENCE IN A DITCH
SECTION B-B



SILT FENCE ALONG A SLOPE
SECTION B-B



SECTION A-A

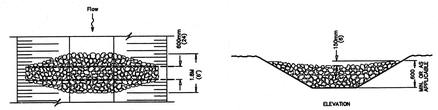
NOTES

1. FILTER BARRIERS SHALL BE PLACED WHERE SHOWN ON THE PLANS AND WHERE INDICATED BY THE ENGINEER.
2. SEDIMENT TRAPPED BY THE FENCE SHALL BE REMOVED (AND PROPERLY DISPOSED OF) WHENEVER SIGNIFICANT ACCUMULATION OCCURS.
3. BARRIERS SHALL BE MAINTAINED IN PLACE UNTIL THE UPSLOPE AREA HAS BEEN STABILIZED AND REMOVAL IS AUTHORIZED BY THE ENGINEER.
4. HAY BALES MAY BE SUBSTITUTED FOR THE FILTER FABRIC, IF APPROVED BY COUNTY.

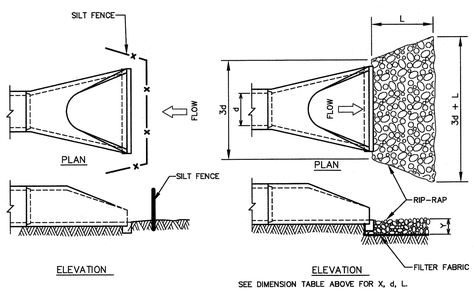
SILT FENCE, TYPE 1

NTS

PLAN SYMBOL: —XX—



AGGREGATE DITCH CHECK

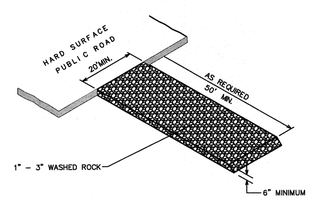


PIPE INLET

PIPE OUTLET

SILT/EROSION CONTROL AT FLARED END SECTION

PLAN SYMBOL: (LA)



STABALIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

PLAN SYMBOL: (SE)

CONTROL MEASURE GROUP	CONTROL MEASURE	APPL.	KEY	CONTROL MEASURE CHARACTERISTICS	TEMP.	PERMNT
VEGETATIVE SOIL COVER	TEMPORARY SEEDING		(TS)	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED ON THE OF YEAR IS INAPPROPRIATE.	X	
	PERMANENT SEEDING	X	(PS)	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.		X
	DORMANT SEEDING		(DS)	SAME AS PERMANENT SEEDING EXCEPT IS GONE DURING DORMANT SEASON. HIGHER RATES OF SEED APPLICATION ARE REQUIRED.	X	X
	SODDING		(SO)	QUICK PERMANENT COVER TO CONTROL EROSION. QUICK WAY TO ESTABLISH VEGETATION FILTER STRIP. CAN BE USED ON STEEP SLOPES OR IN DRAINAGEWAYS WHERE SEEDING MAY BE DIFFICULT.	X	X
	GROUND COVER		(GC)	PROVIDES GROUND COVER, SHRUBS AND TREES IN ADDITION TO PERMANENT VEGETATION. MAY BE USED AS PART OF A FINAL LANDSCAPE PLAN ALONG WITH SHRUBS AND TREES.		X
NON VEGETATIVE SOIL COVER	EROSION CONTROL BLANKET		(EB)	PROTECTS AND PRESERVES MOISTURE FOR PERMANENT SEEDING ON STEEP SLOPES. ALSO CONTROLS CONCENTRATED RUNOFF (GITCHES) OR IN AREAS THAT MAY BE DAMAGED BY PEDESTRIAN TRAFFIC.	X	X
	MULCHING		(M)	ADDED INSURANCE OF A SUCCESSFUL TEMPORARY OR PERMANENT SEEDING. CONTROLS UNWANTED VEGETATION AND PRESERVES MOISTURE. PROVIDES COVER WHERE VEGETATION CANNOT BE ESTABLISHED.	X	X
	AGGREGATE COVER		(AG)	PROVIDES SOIL COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.	X	X
	PAVING	X	(P)	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.		X
	STABILATOR GRID		(SG)	PROVIDES PERMANENT STABILIZATION OF SOILS, MUST BE COMBINED WITH TOPSOIL AND PERMANANT SEEDING		X
DIVERSIONS	RIDGE DIVERSION		(RD)	TYPICALLY USED ABOVE SLOPES. USED WHERE AN EXCESS OF SOIL IS AVAILABLE.	X	X
	CHANNEL DIVERSION		(CD)	TYPICALLY USED AT TOP OR BASE OF SLOPES. USED WHEN EXCESS SOIL IS NOT AVAILABLE.	X	X
	COMBINATION DIVERSION		(DC)	TYPICALLY USED ANYWHERE ON A SLOPE. SOIL TAKEN OUT OF CHANNEL IS USED TO BUILD THE RIDGE.	X	X
	CURB AND GUTTER	X	(CG)	SPECIAL CASE OF DIVERSION USED IN CONJUNCTION WITH A STREET TO DIVERT WATER FROM AN AREA NEEDING PROTECTION.		X
	BENCHES		(B)	SPECIAL CASE OF DIVERSION CONSTRUCTED WHEN WORKING ON CUT SLOPES TO SHORTEN LENGTH OF SLOPE AND ADD SLOPE STABILITY.	X	X
WATERWAYS	BARE CHANNEL		(BC)	PROVIDES MEANS OF CONVEYING RUNOFF TO DESIRED LOCATION. MAY BE USED TO DRAIN DEPRESSIONAL AREAS. ONLY APPLICABLE WHEN VELOCITY OF FLOW IS VERY LOW.	X	
	VEGETATIVE CHANNEL		(VC)	PROVIDED ADDED STABILITY TO CHANNEL. USED WHEN VELOCITY OF FLOW IS NOT EXTREMELY FAST.	X	X
	LINED CHANNEL		(LC)	USED WHEN VEGETATION WILL NOT PROTECT THE CHANNEL AGAINST HIGH VELOCITIES OF FLOW OR WHERE VEGETATION CANNOT BE ESTABLISHED.	X	X
ENCLOSED DRAINAGE	STORM SEWER	X	(ST)	CAN BE USED TO CONVEY SEDIMENT LADEN WATER TO SEDIMENT BASIN OR IN CONJUNCTION WITH A WATERWAY.		X
	UNDERDRAIN		(UD)	USED TO LOWER WATER TABLE AND INTERCEPT GROUNDWATER FOR BETTER VEGETATION GROWTH AND SLOPE STABILITY. USED TO CARRY BASE FLOW IN WATERWAYS AND TO DEWATER SEDIMENT BASINS.	X	X
SPILLWAYS	STRAIGHT PIPE SPILLWAY		(SS)	USED FOR RELATIVELY SMALL VERTICAL DROPS AND SMALL FLOWS OF WATER.		X
	DROP INLET PIPE SPILLWAY		(DIS)	SAME AS PIPE SPILLWAY EXCEPT LARGER FLOWS AND LARGE VERTICAL DROPS CAN BE ACCOMMODATED.		X
	WEIR SPILLWAY		(W)	USED FOR RELATIVELY SMALL VERTICAL DROPS AND FLOWS MUCH GREATER THAN PIPE STRUCTURES.	X	X
	BOX INLET WEIR SPILLWAY		(BS)	SAME AS WEIR SPILLWAY EXCEPT LARGER FLOWS CAN BE ACCOMMODATED BECAUSE OF LONGER WEIR LENGTH.	X	X
OUTLETS	LINED APRON	X	(LA)	PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.	X	X
SEDIMENT BASINS	EMBANKMENT SEDIMENT BASIN		(ES)	USED WHERE TOPOGRAPHY LENDS ITSELF TO CONSTRUCTING A DAM AND EARTH FILL IS AVAILABLE.	X	X
	EXCAVATED SEDIMENT BASIN		(XS)	USED WHERE EMBANKMENT COULD CAUSE A HAZARD DOWNSTREAM IN CASE OF FAILURE AND WHEN EXCESS EARTH FILL IS NOT AVAILABLE.	X	
	COMBINATION SEDIMENT BASIN		(CS)	USED WHEN TOPOGRAPHY IS SUITABLE BUT ADDITIONAL CAPACITY IS NEEDED.	X	X
SEDIMENT FILTERS	BARRIER FILTER	X	(BF) (FF)	USED FOR SINGLE LOTS OR DRAINAGE AREAS LESS THAN 5 ACRES TO FILTER SEDIMENT FROM RUNOFF.	X	
	VEGETATIVE FILTER		(VF)	USED ALONG DRAINAGEWAYS OR PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF. SIZE MUST BE INCREASED IN PROPORTION TO DRAINAGE AREA.	X	X
MUD AND DUST CONTROL	STABILIZED CONST. ENTRANCE	X	(SE)	PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.	X	X
	DUST AND TRAFFIC CONTROL		(DT)	PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.	X	X

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR. (BR4)	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A									
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C				D					
SODDING			E**									
MULCHING	F											

A KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE.

B KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE.

C SPRING OATS 100 LBS/ACRE

D WHEAT OR CEREAL RYE 150 LBS/ACRE.

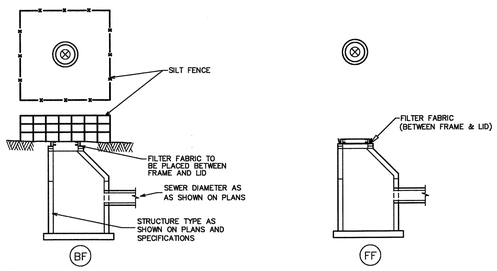
E SOD

F STRAW MULCH 2 TONS/ACRE.

* IRRIGATION NEEDED DURING JUNE AND JULY.

** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.

SOIL PROTECTION CHART



SILT FENCE AT INFLOW STRUCTURES (IN YARD AREAS)
FILTER FABRIC AT INFLOW STRUCTURES (IN PAVED AREAS)

CHRISTOPHER B. BURKE ENGINEERING WEST, LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

CLIENT :

B & B ENTERPRISES
40W320 LA FOX ROAD, SUITE E
ST. CHARLES, ILLINOIS 60175
(630) 584-0042

NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	JRH/MSK
DWN.	DJV
CHKD.	JLS
SCALE :	AS NOTED
FILE NAME:	98-902K-SP.dwg

TITLE :

HERON CREEK
COUNTRY ESTATE LOTS

STORMWATER POLLUTION PREVENTION PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 33 OF 42
DRAWING NO. **SP1**

N:\DWG\BB-9200\Heron\BB-9200K-SP.dwg, SP1, 05/14/2003 06:06:33 PM, DWN\MCND

NOTE: SEE SHEET SP1 FOR LEGEND AND DETAILS

N
W E
S

0' 60' 120' 180'

FUTURE COMMERCIAL AREA

128 (PRIVATE PARK)

EXISTING DETENTION BASIN

MATCHLINE (SEE SHEET EC2)

TEWKSBERRY DRIVE

HERON CREEK DRIVE

ROUTE 23

67 (PUBLIC PARK)

123 (PRIVATE PARK)

CHRISTOPHER B. BURKE ENGINEERING WEST, LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

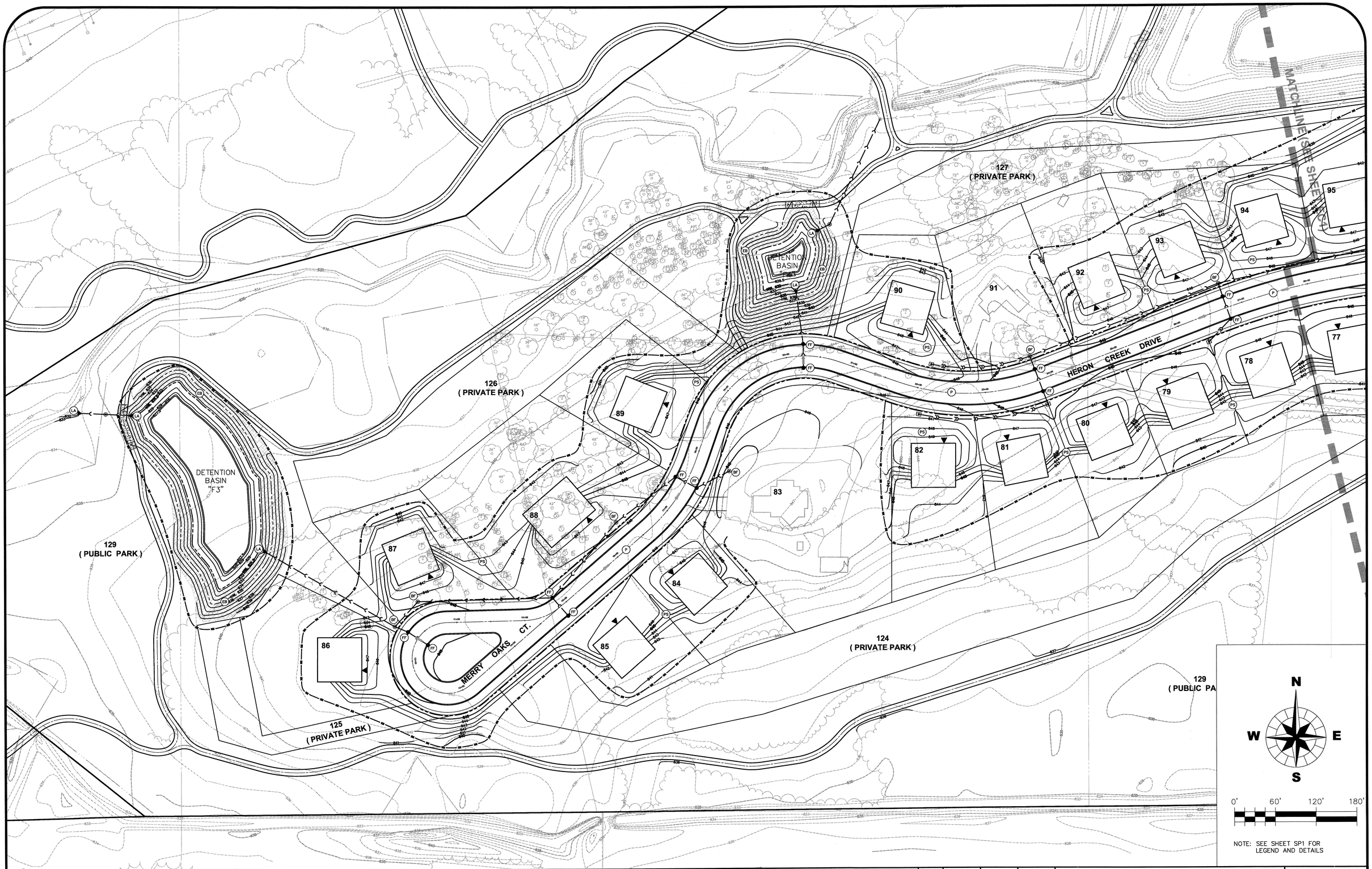
CLIENT :
B & B ENTERPRISES
40W320 LA FOX ROAD, SUITE E
ST. CHARLES, ILLINOIS 60175
(630) 584-0042

NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 60'	
FILE NAME:	98-902K-EC.dwg	

TITLE :
HERON CREEK COUNTRY ESTATE LOTS
SOIL EROSION CONTROL PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 34 OF 42
DRAWING NO.
EC1



CHRISTOPHER B. BURKE ENGINEERING WEST, LTD.
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CLIENT :
B & B ENTERPRISES
40W320 LA FOX ROAD, SUITE E
ST. CHARLES, ILLINOIS 60175
(630) 584-0042

NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	JRH/MSK	
DWN.	DJV	
CHKD.	JLS	
SCALE :	1" = 60'	
FILE NAME:	98-902K-EC.dwg	

TITLE :
HERON CREEK COUNTRY ESTATE LOTS
SOIL EROSION CONTROL PLAN

PROJECT NO. 98-902K
DATE : 5/15/03
SHEET 35 OF 42
DRAWING NO. **EC2**

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