STA. 0+00 LINE 3
INSTALL 24" END SECTION
FL OUT = 1310.00
INSTALL 17 SY LIGHT
STONE RIP-RAP AS INDICATED.
SEE RIP-RAP DETAIL THIS SHEET.

STA. 2+00.85 LINE 3
EMERALD BAY STA. 13+53.61, 19.17' LT. (F.I.F.)
CONSTRUCT INLET TYPE 1A
(5'x3')
TOP ELEV. = 1324.05

STA. 2+41.53 LINE 3
EMERALD BAY STA. 13+53.61, 19.17' RT. (F.I.F.)
CONSTRUCT INLET TYPE 1A
(5'x3')
TOP ELEV. = 1324.05

STA. 2+61.53 LINE 3
CONSTRUCT TYPE P MH
W/ BEEHIVE FRAME & GRATE
(5' DIA.)
TOP ELEV. = 1319.00

20' X 20' DRAINAGE EASEMENT
(BY SEPERATE INSTRUMENT)

Emerald Bay Estates

26

25

90.00'

20' UTILITY EASEMENT

PROPOSED 8" SANITARY SEWER

PROPOSED 8" WATER MAIN

PROPOSED AC PAVEMENT

64' R/W

35' B-B

14+00

13+00

5.15'

.00'

20' DRAINAGE EASEMENT

170.00'

15'

10'

19.15'

20'

EXISTING POND

RESERVE C

EXISTING WATERS EDGE

STA. 0+47.36 LINE 4
CONSTRUCT TYPE P MH
W/ BEEHIVE FRAME & GRATE
(5' DIA.)
TOP ELEV. = 1318.00

STA. 2+54.51 LINE 4
EMERALD BAY STA. 22+53.61, 19.17' LT. (F.I.F.)
CONSTRUCT INLET TYPE 1A
(5'x3')
TOP ELEV. = 1323.56

STA. 2+95.19 LINE 4
EMERALD BAY STA. 22+53.61, 19.17' RT. (F.I.F.)
CONSTRUCT INLET TYPE 1A
(5'x3')
TOP ELEV. = 1323.56

STA. 3+15.19 LINE 4
CONSTRUCT TYPE P MH
W/ BEEHIVE FRAME & GRATE
(5' DIA.)
TOP ELEV. = 1320.40

Emerald Bay Estates

36

35

90.00'

20' UTILITY EASEMENT

PROPOSED 8" SANITARY SEWER

PROPOSED 8" WATER MAIN

PROPOSED AC PAVEMENT

64' R/W

35' B-B

23+00

22+00

40' DRAINAGE EASEMENT

5.20'

.00'

20' DRAINAGE EASEMENT

170.00'

148°46'4"

25.45'

15'

10'

20'

EXISTING POND

RESERVE C

EXISTING WATERS EDGE

STA. 0+00 LINE 4
INSTALL 24" END SECTION
FL OUT = 1310.00
INSTALL 17 SY LIGHT
STONE RIP-RAP AS INDICATED.
SEE RIP-RAP DETAIL THIS SHEET.

20' X 20' DRAINAGE EASEMENT
(BY SEPERATE INSTRUMENT)

20'

1.0'

1.0'

TOE END OF RIP-RAP

RIP-RAP DETAIL

SCALE: 1"=20' HOR.
1"=5' VERT.

LINE 3

STA. 0+00 LINE 3
INSTALL 24" END SECTION
FL OUT = 1310.00
INSTALL 17 S.Y. LIGHT
STONE RIP-RAP AS INDICATED.

STA. 2+00.85 LINE 3
EMERALD BAY STA. 13+53.61, 19.17' LT.
CONSTRUCT TYPE 1A INLET (5'x3')
TOP ELEV. = 1324.05

STA. 2+41.53 LINE 3
EMERALD BAY STA. 13+53.61, 19.17' RT.
CONSTRUCT TYPE 1A INLET (5'x3')
TOP ELEV. = 1324.05

STA. 2+61.53 LINE 3
CONSTRUCT TYPE P MH W/
BEEHIVE FRAME & GRATE (5' DIA.)

EXISTING GRADE

FINISH GRADE (BY OTHERS)

BACKFILL FOR STREET CROSSINGS
SHALL BE FLUSHED AND VIBRATED
EXISITNG MATERIAL.

PROP 8" WL

PROP 8" SS

Static Pool
1310.00

200.85 L.F. 24" RCP @ 1.79%

20 L.F. 24" RCP
@ 2.00%

40.68 L.F. 24" RCP
@ 1.97%

FL. 1309.00 OUT
FL. 1309.90
FL. 1310.79
FL. 1311.69
FL. 1312.60 OUT
FL. 1312.70 IN
FL. 1313.50 OUT
FL. 1313.60 IN
FL. 1314.00 OUT

0+00
0+50
1+00
1+50
2+00.85
2+41.53
2+61.53

LINE 4

STA. 0+00 LINE 4
INSTALL 24" END SECTION
FL OUT = 1310.00
INSTALL 17 S.Y. LIGHT
STONE RIP-RAP AS INDICATED.

STA. 0+47.36 LINE 4
CONSTRUCT TYPE P MH W/
BEEHIVE FRAME & GRATE (5' DIA.)

EXISTING GRADE

FINISH GRADE (BY OTHERS)

BACKFILL FOR STREET CROSSINGS
SHALL BE FLUSHED AND VIBRATED
EXISITNG MATERIAL.

PROP 8" WL

Static Pool
1310.00

47.36 L.F. 24" RCP
@ 1.06%

207.15 L.F. 24" RCP
@ 2.08%

20.00 L.F. 24" RCP
@ 2.00%

40.68 L.F. 24" RCP
@ 2.21%

PROP 8" SS

STA. 2+54.51 LINE 4
EMERALD BAY STA. 22+53.61, 19.17' LT.
CONSTRUCT TYPE 1A INLET (5'x3')
TOP ELEV. = 1323.56

STA. 2+95.19 LINE 4
EMERALD BAY STA. 22+53.61, 19.17' RT.
CONSTRUCT TYPE 1A INLET (5'x3')
TOP ELEV. = 1323.56

STA. 3+15.19 LINE 4
CONSTRUCT TYPE P MH W/
BEEHIVE FRAME & GRATE (5' DIA.)

FL. 1310.69
FL. 1311.73
FL. 1312.77
FL. 1313.90 OUT
FL. 1314.00 IN
FL. 1314.90 OUT
FL. 1315.00 IN
FL. 1315.40 OUT

2+54.51
2+95.19
3+15.19

1325
1320
1315
1310
1305

REVISED
DRAWN MP
DESIGN AML
UTILITY
DATE Mar. 8, 2006
REVIEW

PROJECT NUMBER 472-84364
DRAWING FILE SWS PLANS (SWS 3&4)

EMERALD BAY ESTATES
STORM SEWER PLAN & PROFILE

RB JOB 2822E
SHE 24 OF 54

Ruggles & Bohm, P.A.
Engineering, Surveying, Land Planning
924 North Main
Wichita, Kansas 67203
(316) 264-8008
(316) 264-4621 fax