20A STA. 36+20.26, 31.7' R
CB, TYPE A, 4' DIA.
TYPE 8 GRATE
RIM: 740.8 G
INV: 738.50 (E)
INV: 738.24 (NW)

20B STA. 36+62.14, 31.7' R
INLET, TYPE A,
TYPE 8 GRATE
RIM: 741.3 G
INV: 738.74

21A STA. 37+74.51, 13.0' L
INLET, TYPE A,
TYPE 3 FRAME & GRATE
RIM: 741.50 T/C
INV: 738.77

21B STA. 37+74.51, 13.0' R
INLET, TYPE A,
TYPE 3 FRAME & GRATE
RIM: 741.50 T/C
INV: 738.81

22A STA. 39+41.47, 13.0' L
CB, TYPE C, 2' DIA.
TYPE 3 FRAME & GRATE
RIM: 740.09 T/C
INV: 735.47

22B STA. 39+41.47, 14.1' R
CB, TYPE C, 2' DIA.
TYPE 3 FRAME & GRATE
RIM: 740.07 T/C
INV: 735.52

23A STA. 40+17.29, 24.3' L
MANHOLE, TYPE A, 4' DIA.
TYPE 1 FRAME CLOSED
RIM: 737.2 G
INV: 732.04

23B STA. 40+17.29, 13.0' R
CB, TYPE C, 2' DIA.
TYPE 3 FRAME & GRATE
RIM: 738.29 T/C
INV: 734.57

24A STA. 41+74.52, 13.0' L
CB, TYPE C, 2' DIA.
TYPE 3 FRAME & GRATE
RIM: 735.22 T/C
INV: 731.25

24B STA. 41+74.52, 13.0' R
CB, TYPE C, 2' DIA.
TYPE 3 FRAME & GRATE
RIM: 735.22 T/C
INV: 731.29

20A PROP STORM SEWER, CLASS IV
TYPE 2, 15" DIA, 30', 0.35%

20B PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 42', 0.57%

21A PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 8', 0.45%

21B PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 18', 0.45%

22A PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 8', 0.45%

22B PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 19', 0.45%

23A PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 19', 0.45%

23B PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 18', 0.45%

24A PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 8', 0.45%

24B PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 18', 0.45%

HARDING

BEACH ROAD

RUSSELL AVE

GERAGHTY AVE

MH-20

MH-21

MH-22

MH-23

MH-24

EX ST

EX SAN MH

EX 8" SAN

HMA/PE

COMBINATION CONCRETE CURB AND GUTTER, B6.12

PROPOSED 8' BITUMINOUS PATH

MATCHLINE STA. 36+00

MATCHLINE STA. 42+00

+00.63' 13.50' RT

+77.29' 13.50' RT

+52.29' 38.46' RT

+52.26' 44.46' RT

+25.63' 38.54' RT

+25.62' 44.54' RT

+38.85, 69.56' RT BUTT JOINT

+26.68' 44.46' LT

+26.67' 38.46' LT

+1.67' 13.50' LT

+39.00, 69.56' LT BUTT JOINT

+51.08' 44.54' LT

+51.08' 38.54' LT

+76.08' 13.50' LT

+34.00' 13.50' RT

+59.00' 38.54' RT

+58.99' 44.54' RT

+70.96, 69.56' RT BUTT JOINT

+13.50' 13.50' RT

+83.15' 38.46' RT

+83.14' 44.46' RT

STA. 42+03.10
PC - CURVE #5

LEGEND

DETECTABLE WARNING

CURVE #5
RAD = 5150'
Δ = 1°03'16.91"
CH = 94.80'
L = 94.80'

CURVE #6
RAD = 5150'
Δ = 1°09'0.55"
CH = 103.38'
L = 103.38'

PLAN
SURVEYED
PLOTTED
DRAWN
CHECKED
R.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
R.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

EX SAN MH
RIM = 741.06 G
INV = 729.16 (S)
INV = 729.06 (W)
INV = 728.96 (E)

EX SAN MH
RIM = 738.52 G
INV = 730.32 (N)
INV = 727.92 (S)
INV = 727.72 (W)
INV = 727.62 (E)

K = 45
52.59' V.C.

K = 36
57' V.C.

K = 47
145.17' V.C.

K = 43
49.00' V.C.

VPI STA. 36+06.60
ELEVATION 741.78

VPI STA. 38+50.00
ELEVATION 742.10

VPI STA. 40+00.05
ELEVATION 738.50

VPI STA. 41+50.00
ELEVATION 735.28

+90.80 EL. 741.35

+43.38 EL. 741.40

+17.09 EL. 741.22

+77.42 EL. 741.62

+22.58 EL. 740.36

+24.38 EL. 741.69

+25.50 EL. 735.77

+74.50 EL. 735.04

-0.50%

0.50%

+0.66%

-2.40%

-2.15%

-1.00%

PROPOSED CENTER LINE PROFILE

GROUND PROFILE ALONG PROPOSED CENTER LINE

PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 228', 0.45%

PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 76', 1.50%

PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 157', 1.50%

PROP STORM SEWER, CLASS IV
TYPE 2, 12" DIA, 74', 1.50%

12" SS

15" SS

EX 8" SAN

MH-20
STA. 36+06.35, 5.0' L
MANHOLE, TYPE C, 4' DIA.
TYPE 1 FRAME CLOSED
RIM = 741.67 P
INV = 738.14 (NE,W)

MH-21
STA. 37+13.44, 5.0' L
MANHOLE, TYPE C, 4' DIA.
TYPE 1 FRAME CLOSED
RIM = 741.20 P
INV = 738.75 (N,S)
INV = 736.29 (E)

MH-22
STA. 39+41.47, 5.0' L
MANHOLE, TYPE C, 4' DIA.
TYPE 1 FRAME CLOSED
RIM = 739.81 P
INV = 735.66 (W)
INV = 735.43 (N,S,E)

MH-23
STA. 40+17.29, 5.0' L
MANHOLE, TYPE C, 4' DIA.
TYPE 1 FRAME CLOSED
RIM = 738.03 P
INV = 734.49 (S)
INV = 734.49 (W)
INV = 731.96 (N)
INV = 731.71 (E)

MH-24
STA. 41+74.52, 5.0' L
MANHOLE, TYPE C, 4' DIA.
TYPE 1 FRAME CLOSED
RIM = 734.94 P
INV = 731.21 (N,S)
INV = 730.59 (W)
INV = 730.09 (E)

RHMG JOB NO 21108030

	DESIGNED - CMP	REVISED - 2/6/12
	DRAWN - NAT	REVISED - 2/22/12
	CHECKED - BWM	REVISED -
	DATE 12/7/11	REVISED -

RHMG
REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
CONSULTING ENGINEERS
www.rhmg.com
info@rhmg.com
975 CAMPUS DRIVE
MUNDELEIN, ILLINOIS 60060
847-362-9360
535 TOLLWAY RD. SUITE F
ELGIN, ILLINOIS 60123
847-742-9959

VILLAGE OF BEACH PARK
BEACH ROAD
BEACH PARK, ILLINOIS

PLAN AND PROFILE

V: 1"=5'
SCALE: H: 1"=20' | SHEET NO. 21 OF 47 SHEETS | STA. 36+00 TO STA. 42+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	21
		CONTRACT NO. 63683		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		