

EMERALD ESTATES

No. 11 & No. 12

IMPROVEMENT PLANS

PART OF THE NORTHWEST &
SOUTHWEST QUARTER OF SECTION 7,
(T-11, R-9), JACKSON TOWNSHIP,
STARK COUNTY, OHIO

SANITARY, STORM SEWERS, WATER & PAVING

36 LOTS
11.5509 AC.
NOVEMBER, 2014

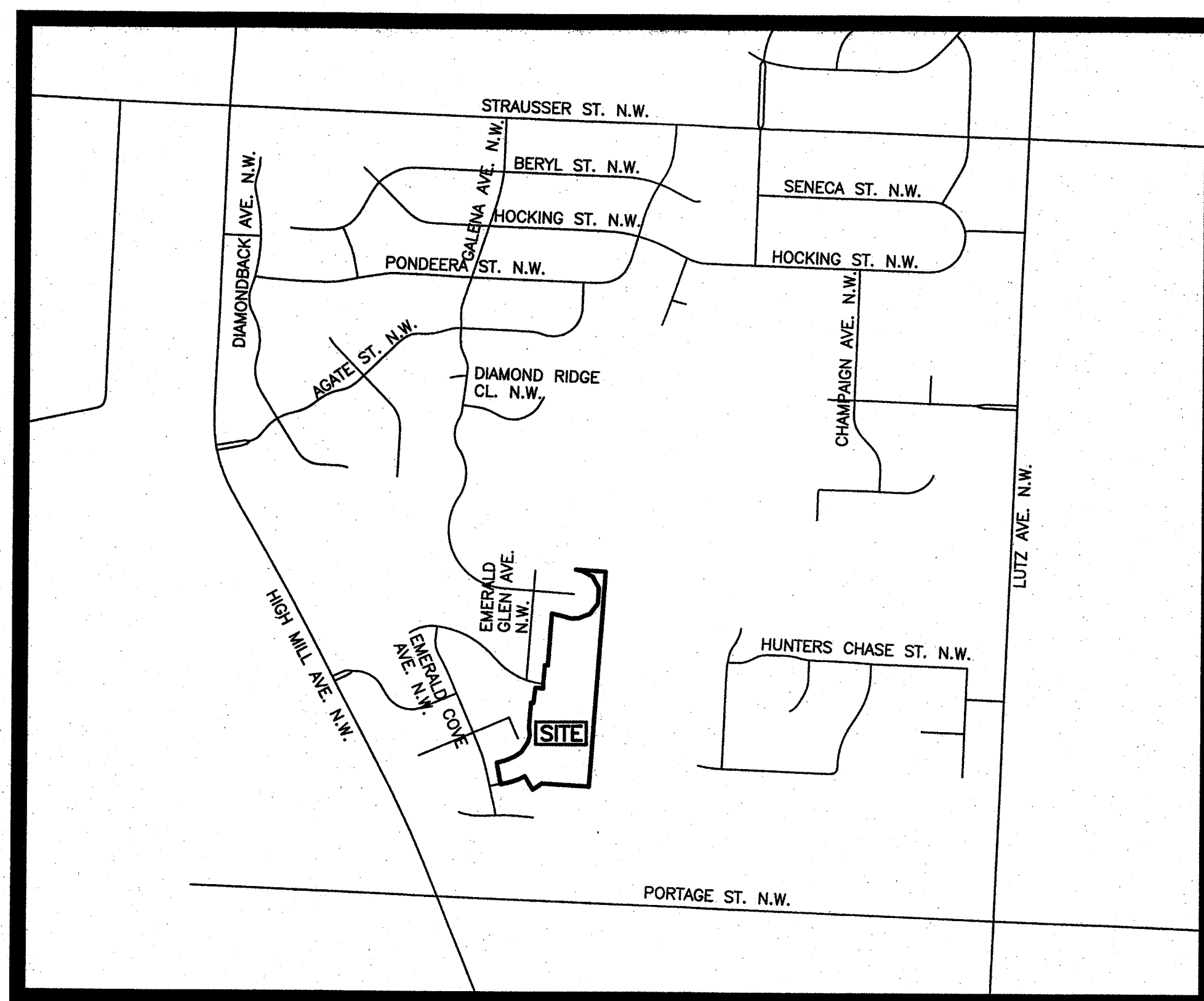
DESIGN ENGINEER:

GBC DESIGN, INC.

565 White Pond Dr. Akron, OH 44320
Phone 330-896-0228 Fax 330-896-5782

DEVELOPER:

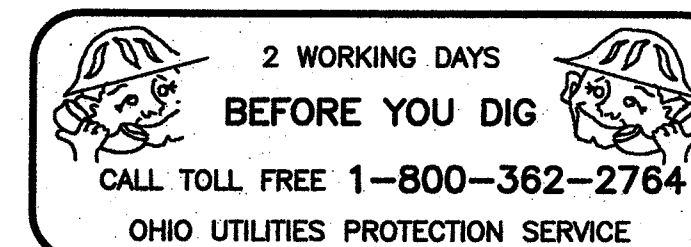
CANTERBURY PRESERVE, LTD.
3333 MASSILLON RD.,
SUITE 103
AKRON, OHIO 44312
REP.: PATRICK LONG
PHONE: 330-896-8833



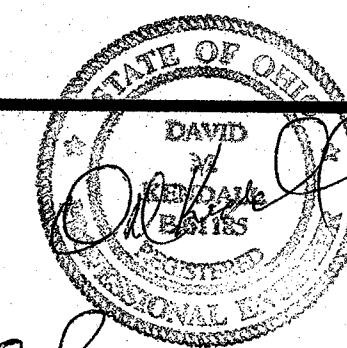
LOCATION MAP

0 400 800 1600
SCALE: 1" = 800'

LEGEND					
MONUMENTS					
●	5/8" CAPPED REBAR TO BE SET, (GBC DESIGN, INC.)				
○	IRON PIN FOUND (TYPE & SIZE AS INDICATED)				
■	MONUMENT ASSEMBLY TO BE SET				
□	MONUMENT FOUND				
★	1" REBAR TO BE SET				
☆	1" REBAR FOUND				
✱	DRILL HOLE SET				
✱	DRILL HOLE FOUND				
✱	P.K. NAIL SET				
✱	P.K. NAIL FOUND				
ABBREVIATIONS					
EX.	EXISTING	TELE.	TELEPHONE	P/L	PROPERTY LINE
PROP.	PROPOSED	CBL.	CABLE	R/W	RIGHT OF WAY
FND.	FOUND	BLDG.	BUILDING	C.L.	CENTER LINE
MEAS.	MEASURED	F.F.	FINISHED FLOOR	EASE.	EASEMENT
REC.	RECORD	CONC.	CONCRETE	STA.	STATION
STM.	STORM	ASPH.	ASPHALT	LT.	LEFT
SAN.	SANITARY	M.H.	MANHOLE	RT.	RIGHT
W.M.	WATER MAIN	C.B.	CATCH BASIN	SHT.	SHEET
F.W.	FIRE WATER	H.W.	HEADWALL	No.	NUMBER
D.W.	DOMESTIC WATER	INV.	INVERT		
DOM.	DOMESTIC WATER	WIN.	WINDOW		
F.D.C.	FIRE DEPT. CONN.	C.O.	CLEAN OUT		
ELEC.	ELECTRIC				
O.H.W.	OVERHEAD WIRE				
SYMBOLS					
▲	PROPOSED FIRE HYDRANT	●	PROPOSED MANHOLE		
△	EXISTING FIRE HYDRANT	○	EXISTING MANHOLE		
✱	FIRE DEPARTMENT CONNECTION	■	PROPOSED CATCH BASIN		
✱	PROPOSED VALVE	□	EXISTING CATCH BASIN		
✱	EXISTING VALVE	■	PROPOSED CURB INLET		
✱	PROPOSED LIGHT POLE	■	EXISTING CURB INLET		
✱	EXISTING LIGHT POLE	▲	PROPOSED SIGN		
✱	PROPOSED POWER POLE	▲	EXISTING SIGN		
✱	EXISTING POWER POLE				
LINETYPES					
---	PROPOSED CABLE LINE	---	PROPOSED SANITARY SEWER		
---	EXISTING CABLE LINE	---	PROPOSED SANITARY LATERAL		
---	PROPOSED ELECTRIC LINE	---	PROPOSED FORCE MAIN		
---	EXISTING ELECTRIC LINE	---	EXISTING SANITARY SEWER		
---	PROPOSED TELEPHONE LINE	---	EXISTING SANITARY LATERAL		
---	EXISTING TELEPHONE LINE	---	EXISTING FORCE MAIN		
---	PROPOSED GAS LINE	---	PROPOSED STORM SEWER		
---	EXISTING GAS LINE	---	PROPOSED ROOF DRAIN		
---	PROPOSED WATER MAIN	---	EXISTING STORM SEWER		
---	PROPOSED WATER SERVICE	---	EXISTING ROOF DRAIN		
---	PROPOSED DOMESTIC SVC.	---	PROPOSED FENCE		
---	PROPOSED FIRE WATER SVC.	---	EXISTING FENCE		
---	EXISTING WATER MAIN				
---	EXISTING WATER SERVICE				



NPDES No. _____



SUBMITTED BY: D.M. Kendall
D. MICHAEL KENDALL Reg. Engineer No. 61185

DATE: 3-18-15

APPROVALS

SANITARY EFFLUENT ONLY:

APPROVED BY: THE MASSILLON CITY ENGINEER this 13th day of APRIL, 2015

KEITH A. DYLEWSKI

NOTE: SEWERAGE GENERATED FROM THIS DEVELOPMENT WILL DISCHARGE TO MASSILLON CITY POINT OF CONNECTION #14.
AVERAGE DAILY FLOW = 15,600 G.P.D.

APPROVED BY: THE STARK COUNTY SUBDIVISION ENGINEER this _____ day of _____, 20 _____

JOSEPH E. UNDERWOOD

APPROVED BY: THE STARK COUNTY SANITARY ENGINEER this 30th day of MARCH, 2015
FOR O&P APPLICATION ONLY:

JAMES F. TRONKE, P.E.

APPROVED BY: AQUA OHIO, INC. this _____ day of _____, _____

JACOB L. FLANARY

WATER APPROVED BY: O.E.P.A. BY LETTER this _____ day of _____, _____

SANITARY SEWER APPROVED BY: O.E.P.A. BY LETTER this _____ day of _____, _____

O.D.O.T. STANDARD DRAWING LIST		
TITLE	DRAWING	DATE
CATCH BASIN No. 2-28	CB - 1.1	07-15-05
HEADWALLS	HW-D	06-01-05
MANHOLE No. 3	MH - 1.2	01-20-06
YIELDING POST	TC - 41.20	01-19-01
SIGNS	TC - 52.10 & 52.20	04-20-01
CONCRETE CURBS	BP - 5.1	07-28-00
CURB RAMPS	BP - 7.1	01-19-07
*CATCH BASIN No. 6	CB-2.3	07-15-05

* MODIFIED USING GRATE AND FRAME No. 7495 AS MANUFACTURED BY EAST JORDAN IRON WORKS, INC.
PROVIDE: TYPE M1 (RIGHT HAND GRATE)
TYPE M2 (LEFT HAND GRATE)
TYPE M4 (BI-DIRECTIONAL GRATE)

*CATCH BASIN INTERIOR DIMENSIONS SHALL BE MODIFIED AS NECESSARY TO ACCEPT THE PROPOSED STORM SEWER PIPES. A 8" THICK CONCRETE SLAB WITH A 25"x28" OPENING SHALL BE PROVIDED TO ACCEPT THE PROPOSED FRAME & GRATE. STATION AND OFFSET FOR CURB INLET IS TO CENTER OF PRECAST STRUCTURE. TOP ELEVATION REPRESENTS TOP OF CURB.

SANITARY SEWER QUANTITIES	
ITEM	QUANTITY
8" SANITARY SEWER	1,453 L.F.
SANITARY MANHOLE	7 EA.
8"x6" WYE	34 EA.
6" HOUSE LATERALS	1,591 L.F.
CONNECT TO EXISTING SANITARY MANHOLE	2 L.S.
DROP SANITARY MANHOLE	0 EA.
RISER STACKS	117 L.F.

INDEX

DESCRIPTION
TITLE SHEET
GENERAL NOTES
SITE PLAN
GRADING PLAN
POND DETAIL
EMERALD BAY AVE. N.W.
EMERALD HILL ST. N.W. & EMERALD MARSH CIRCLE N.W.
STORM BASELINES A, B, & C
STORM BASELINES D & E
STORM BASELINES F & G
TYPICAL SECTION & INTERSECTION DETAIL
SITE DETAILS
WATER MAIN DETAILS
SWPPP
SWPPP DETAILS

SHEET No.
SD1.00
SD1.01
SD2.00
SD3.00
SD3.01
SD4.01
SD4.02
SD4.03
SD4.04
SD4.05
SD5.01
SD5.02
SD5.03
SD6.01 & SD6.02
SD6.03 TO SD6.07

REVISIONS
3/18/2015

GBC DESIGN, INC.
565 White Pond Drive Akron, OH 44320-1123
Phone 330-896-0228 Fax 330-896-5782

CANTERBURY PRESERVE, LTD.
3333 MASSILLON RD., SUITE 103
AKRON, OH 44312

EMERALD ESTATES No. 11 & 12
JACKSON TOWNSHIP
STARK COUNTY, OHIO
TITLE SHEET

DRAWN BY:
T.G.W.

DATE:
DEC. 22, 2014

PROJECT NO.
36019T

DRAWING NO.
SD1.00