



March 24, 2016

David Wright
Kleingers Group.
6305 Centre Park Drive
West Chester, OH 45069

**RE: Children's Hospital – Liberty Campus
Detention Basin As-built Documents.**

David:

This office has reviewed the submitted Detention Basin As-built Drawing and Calculation Report as received via email on March 23, 2016 and has the following comments:

1. The provided detention basin drawing indicates a water surface elevation of 874.8 +/- and the required water quality orifice at 874.39. This is first an issue, because the pond was designed to be a dry basin, not a wet pond. In addition, with the water surface at 0.4 inches higher than the water quality outlet invert, it would appear that the required water quality outlet is not functioning. This will be required to corrected.
2. The provided topographic information indicates that the top of the constructed berm is at approximately 880. The design and the provided calculations are still run using the top of berm at 882. It is a requirement that the water quality volume be provided "in addition to" any required detention volume. Therefore, the calculation for the provided detention volume should start at elevation 876.49, the as-built elevation for the 16-inch orifice. Between 786.49 and 880, it appears that the basin would have the required volume up to the 25-year critical storm. However, the 50 and 100-year is not accounted for unless the water quality volume is double counted. Increasing the berm to the designed 882 would assist with this issue.

At this time, we realize that a Certificate of Occupancy for the Proton Therapy Addition is needed. Once a letter, that is signed by both Messer Construction AND Children's Hospital stating that the water quality orifice will be corrected, and the micropool restored, and a bond check for \$10,000 made out to the Butler County Board of Commissioner with the appropriate bond form are received, we will release the Certificate of Occupancy.

Bond received 1 CO released 4/13/16

Please note that no additional expansion of any kind will be approved before the berm is raised to the design elevation of 882.

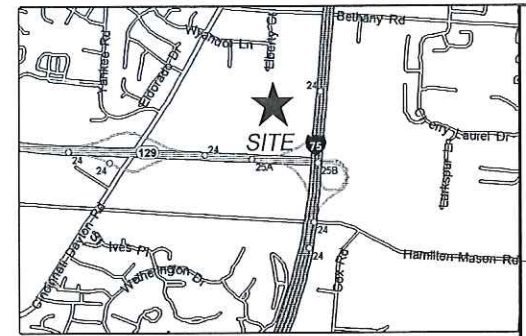
If you have any questions, please contact me at (513) 785-4142 or via email at barnest@bceo.org.

Sincerely,

A handwritten signature in blue ink, appearing to read 'T. Barnes', with a long horizontal flourish extending to the right.

Teresa Barnes, P.E.
Design Engineer

cc: file



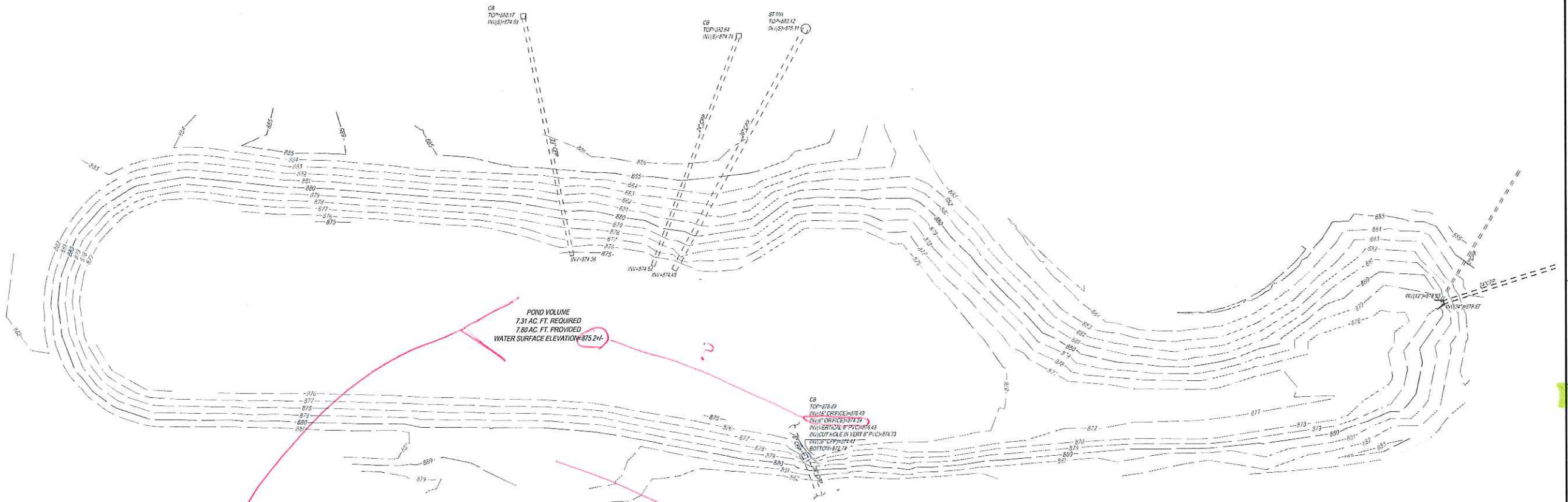
VICINITY MAP
N.T.S



THE KLEINGERS GROUP

CIVIL ENGINEERING
SURVEYING
LANDSCAPE
ARCHITECTURE

www.kleingers.com
6305 Centre Park Dr.
West Chester, OH 45069
613.779.7851



SEAL:



NO. DATE DESCRIPTION
1 12/13/13 DETENTION AS-BUILT - MDH

TOPOGRAPHIC SURVEY

DETENTION POND

SECTION 13, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO
FOR: NELSON STARK CO.

PROJECT NO: 130037VAB006

DATE: 12/13/2013

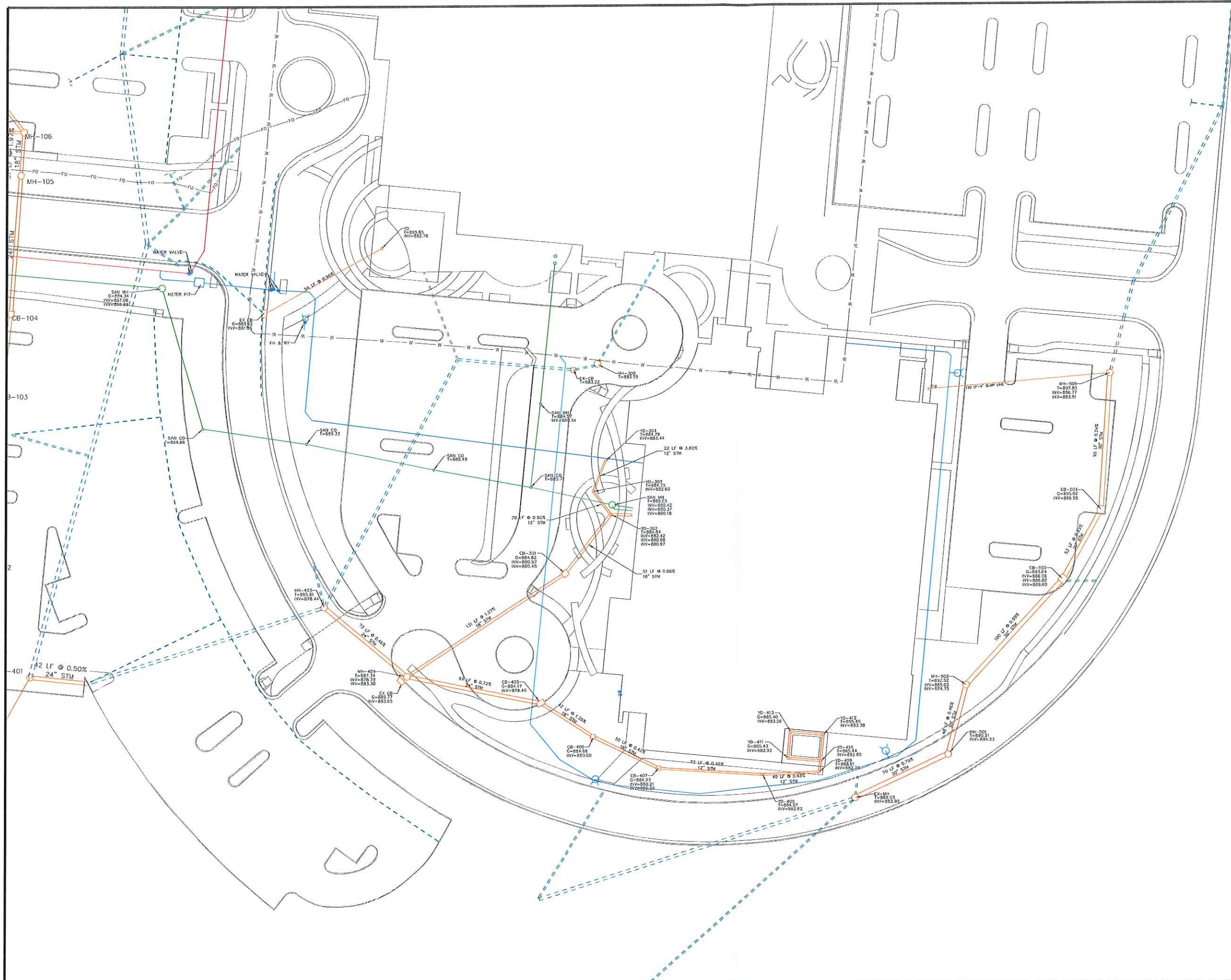
SCALE: 1" = 30'

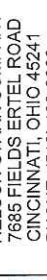
SHEET NAME: DETENTION POND AS-BUILT

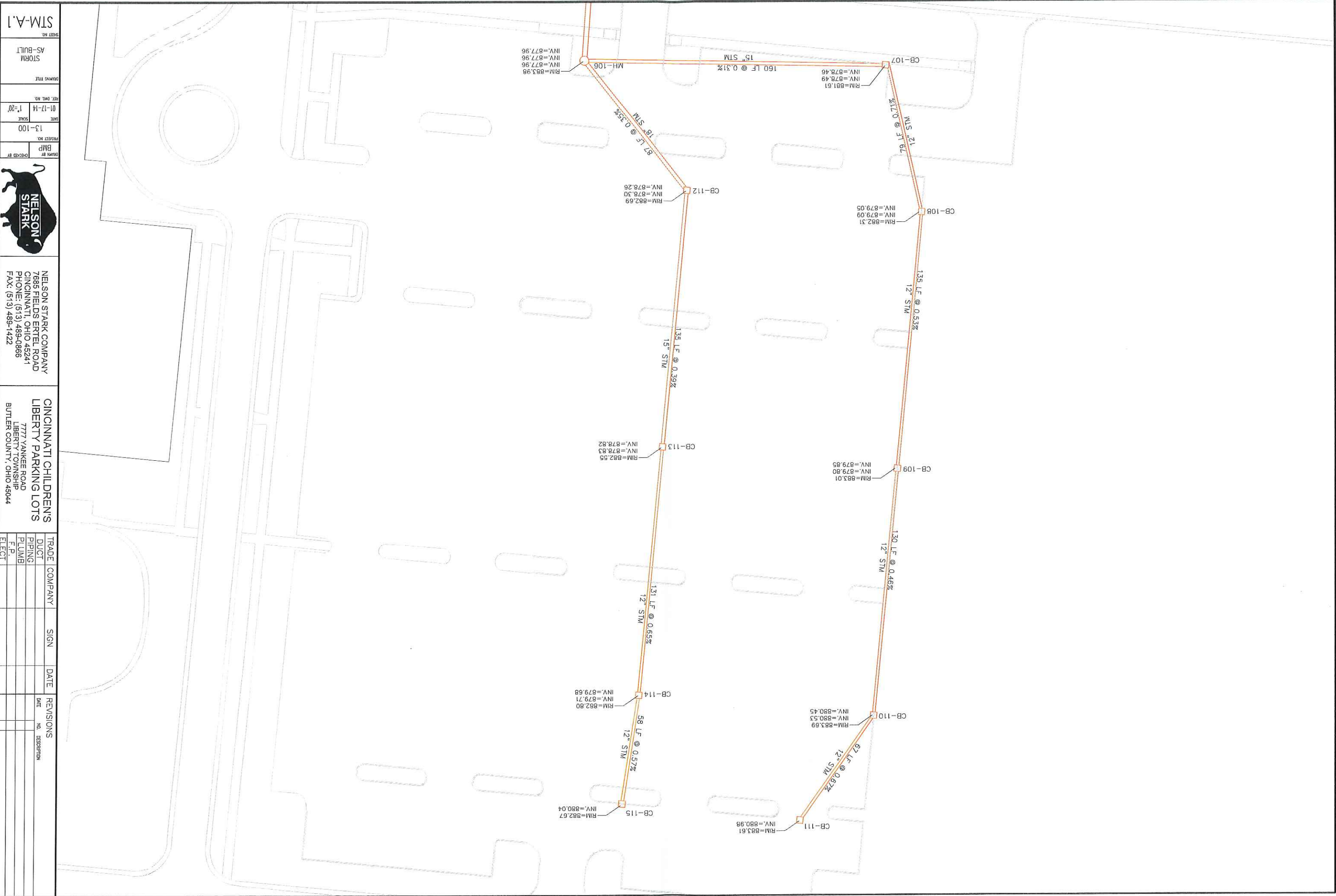
SHEET NO. 1 OF 1

NOTE:
UNDERGROUND UTILITIES ARE PLOTTED FROM A
COMPILATION OF AVAILABLE RECORD INFORMATION AND
SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND
MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE
EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES
CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY
PROTECTION SERVICE AT 1-800-362-2764 BEFORE ANY PERIOD
OF EXCAVATION OR CONSTRUCTION ACTIVITY.





		NELSON STARK COMPANY 7685 FIELDS ETEL ROAD CINCINNATI, OHIO 45241 PHONE: (513) 489-0866 FAX: (513) 489-1422		CINCINNATI CHILDREN'S HOSPITAL LIBERTY	
DRAWN BY BMP		CHECKED BY		TRADE	
PROJECT NO. 13-095				COMPANY	
DATE 02-03-16		SCALE 1"=30'		SIGN	
REF. DWG. NO.				DATE	
DRAWING TITLE UTILITY AS-BUILT				NO.	
SHEET NO. AS-1.1				REVISIONS	



ST-M-A.1

AS-BUILT

STORM

DATE: 01-17-14

SCALE: 1"=20'

PROJECT NO: 13-100

COUNTY: BPP

CHECKED BY: [Signature]

DESIGNED BY: [Signature]

DATE: 01-17-14

SCALE: 1"=20'

PROJECT NO: 13-100

COUNTY: BPP

CHECKED BY: [Signature]

DESIGNED BY: [Signature]

NELSON STARK COMPANY
7685 FIELDS ERTLE ROAD
CINCINNATI, OHIO 45241
PHONE: (513) 489-0866
FAX: (513) 489-1422

CINCINNATI CHILDRENS
LIBERTY PARKING LOTS
7777 YANKEE ROAD
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO 45044

TRADE: DUCT, PIPING, PLUMB, E.P., ELECT

COMPANY: [Blank]

SIGN: [Blank]

DATE: [Blank]

REVISIONS: [Table with 2 columns: NO., DESCRIPTION]

CONSULTANTS:
STRUCTURAL ENGINEER
TWP LLC
108 E. 9th St.
Cincinnati, OH 45202
V 513.241.3222
www.twp.com

MECHANICAL ENGINEER
PETER D. & S. A. Services, Inc.
11809 Chester Rd. Suite 501
Cincinnati, OH 45228
V 513.762.7000
www.pdsai.com

ARCHITECTURAL PARTNER
HKS INC.
807 Broadway, 2nd Floor
Cincinnati, OH 45202
V 513.611.0111
www.hks.com

CIVIL & LANDSCAPING
The Harman Group
6205 Centre Park Drive
Trenton, OH 45155
V 513.779.7851
www.harman.com

BRANDED ENVIRONNEMENTS
Jude
600 Spruce Ave. #403
Cincinnati, OH 45202
V 513.241.4034
www.judegroup.net



7777 Yankee Rd.
Liberty Township,
Butler County, OH 45044

CONSTRUCTION MANAGER
Messer Construction Co.
2455 Langston Farm Road
Cincinnati, OH 45237
V 513.672.0000
www.messer.com

BID PACKAGE 1
EARLY SITE - PARKING
AND UTILITIES

No.	Date	Description
1	10/1/13	Rev. 001 - Update and Clarify
2	10/1/13	Rev. 002 - Update
3	10/1/13	Rev. 003 - Update
4	10/1/13	Rev. 004 - Update
5	10/1/13	Rev. 005 - Update
6	10/1/13	Rev. 006 - Update
7	10/1/13	Rev. 007 - Update
8	10/1/13	Rev. 008 - Update
9	10/1/13	Rev. 009 - Update
10	10/1/13	Rev. 010 - Update
11	10/1/13	Rev. 011 - Update
12	10/1/13	Rev. 012 - Update
13	10/1/13	Rev. 013 - Update
14	10/1/13	Rev. 014 - Update
15	10/1/13	Rev. 015 - Update
16	10/1/13	Rev. 016 - Update
17	10/1/13	Rev. 017 - Update
18	10/1/13	Rev. 018 - Update
19	10/1/13	Rev. 019 - Update
20	10/1/13	Rev. 020 - Update

Drawing Title

UTILITY PLAN

GBBN Job Number:
13257.03
HKS Job Number:
16051.010
Scale:
Date:
9/9/13

C260

