

**WOOD CREEK WATER DISTRICT**  
**KY 490 / US 25 N. WATERLINE REPLACEMENT**  
**LAUREL COUNTY, KENTUCKY**



DATE	DESCRIPTION
01/15/2017	ISSUED FOR PERMIT
01/15/2017	ISSUED FOR CONSTRUCTION
01/15/2017	ISSUED FOR AS-BUILT

**KENVIRONS, INC.**  
 FRANKFORT, KENTUCKY

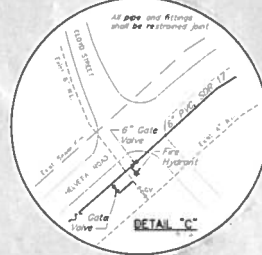
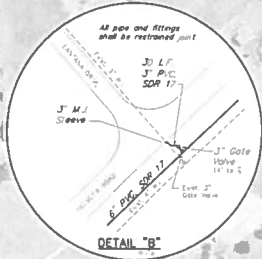
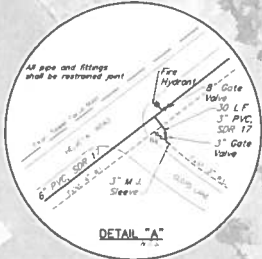
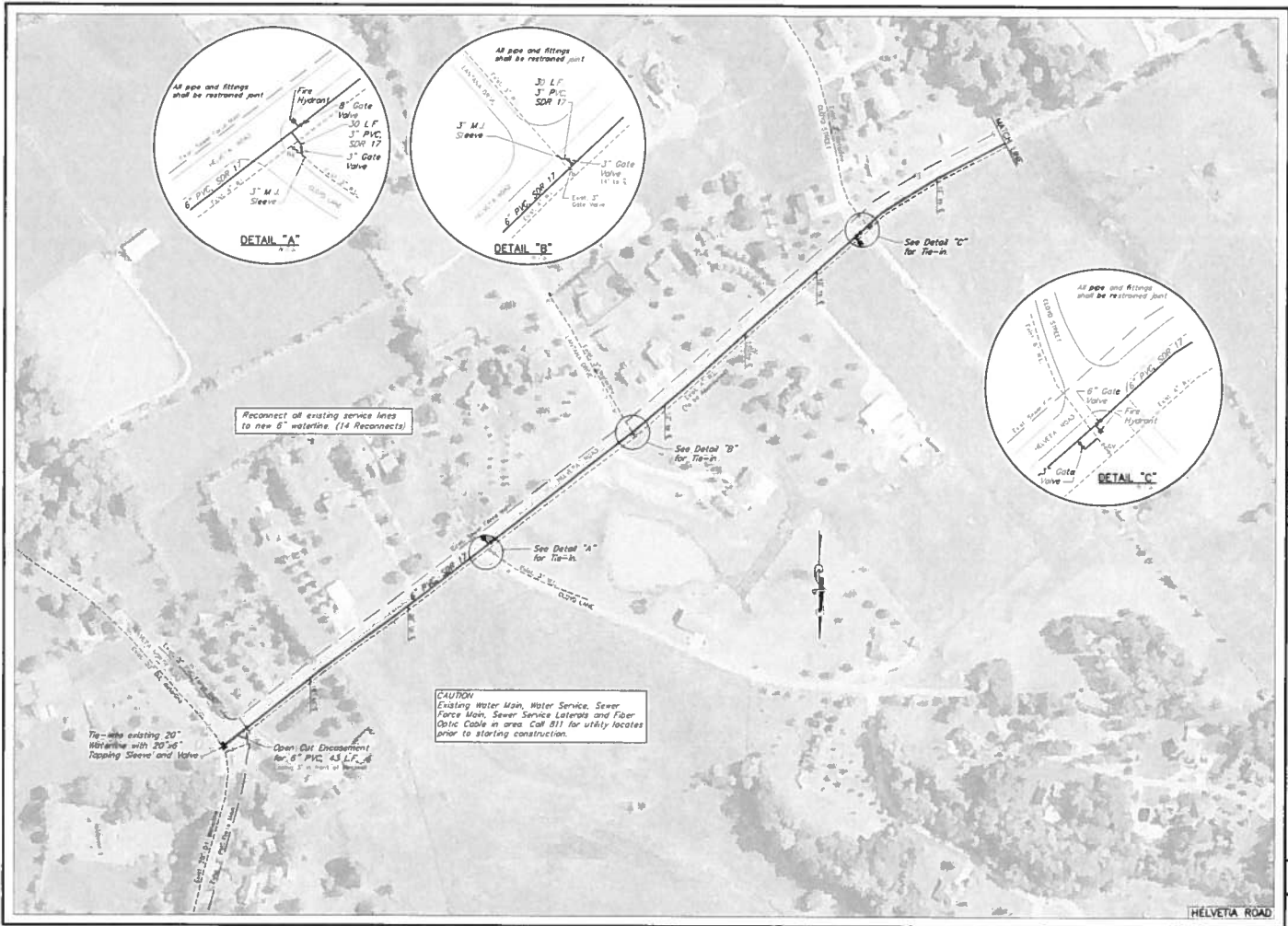


PROJECT NO.  
**2017036**

SHEET NO.  
**18**

KY 490

DATE PLOTTED: 01/15/2017 10:00 AM. PLOT BY: KENVIRONS, INC.



Reconnect all existing service lines to new 6" waterline. (14 Reconnects)

**CAUTION**  
Existing Water Main, Water Service, Sewer Force Main, Sewer Service Laterals and Fiber Optic Cable in area. Call 811 for utility locates prior to starting construction.

Tie-in existing 20" Waterline with 20" 6" Tapping Sleeve and Valve

Open Cut Encasement for 6" PVC 45 L.F. 6" 2' in front of Road

HELVERIA ROAD

WOOD CREEK WATER DISTRICT  
KY 490 / US 25 N. WATERLINE REPLACEMENT  
LAUREL COUNTY, KENTUCKY

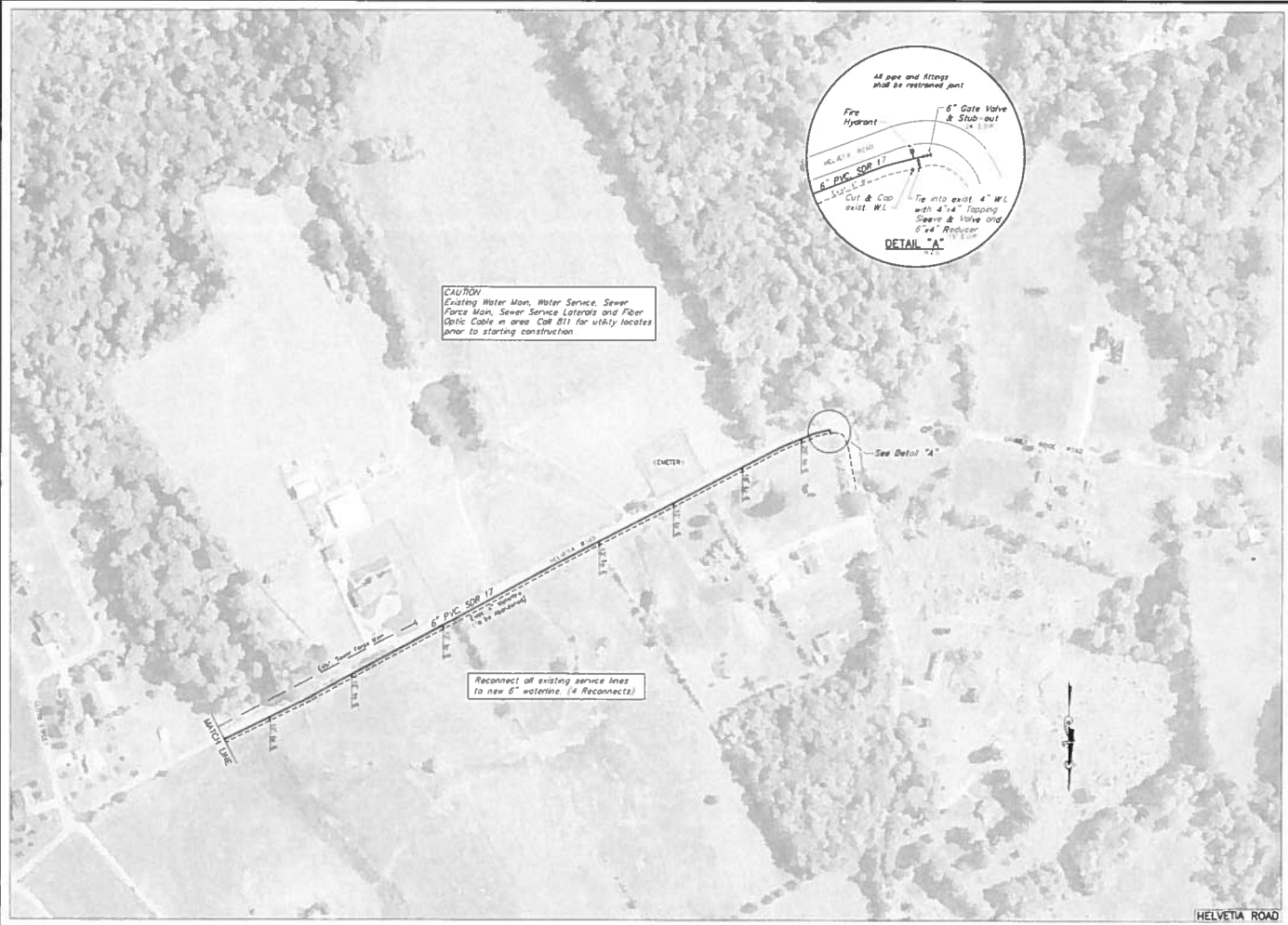


KENVIRONS, INC.  
FRANKFORT, KENTUCKY



PROJECT NO.  
2017036  
SHEET NO.  
19

©2017 KENVIRONS, INC. ALL RIGHTS RESERVED. KENTUCKY PROFESSIONAL ENGINEER NO. 10123

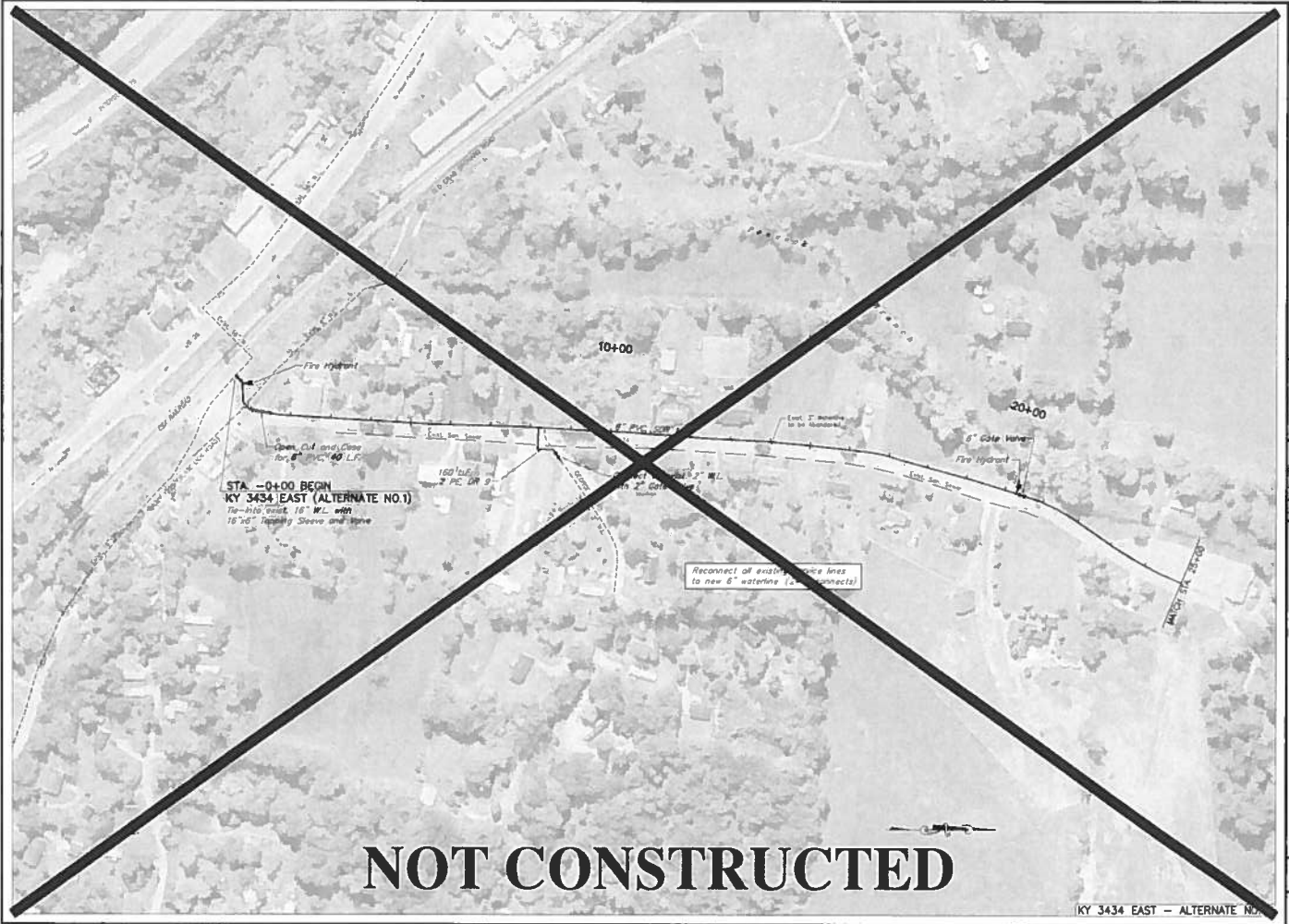


PROJECT NO.	2017036
SHEET NO.	20

**KENVIRONS, INC.**  
 FRANKFORT, KENTUCKY



10/20/2016 10:00 AM



**NOT CONSTRUCTED**

KY 3434 EAST - ALTERNATE NO. 1

WOOD CREEK WATER DISTRICT  
KY 490 / US 25 N. WATERLINE REPLACEMENT  
LAUREL COUNTY, KENTUCKY



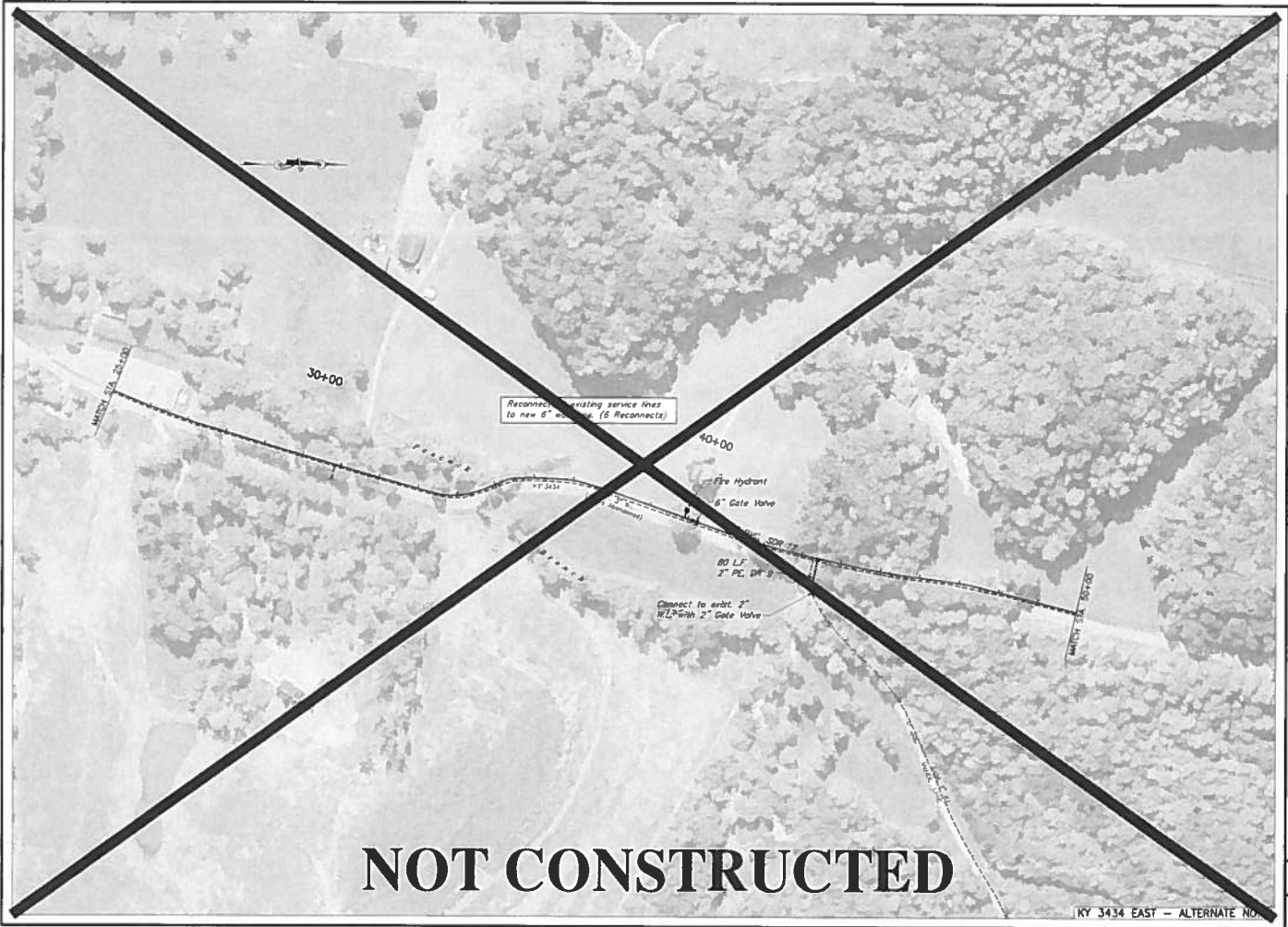
DATE	08/2016
PROJECT NO.	2017036
SHEET NO.	21

KENVIRONS, INC.  
FRANKFORT, KENTUCKY



PROJECT NO.  
2017036

SHEET NO.  
21



**NOT CONSTRUCTED**

KY 3434 EAST - ALTERNATE NO.

**WOOD CREEK WATER DISTRICT**  
 KY 490 / US 25 N. WATERLINE REPLACEMENT  
 LAUREL COUNTY, KENTUCKY



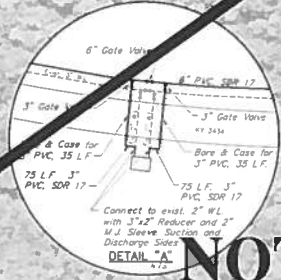
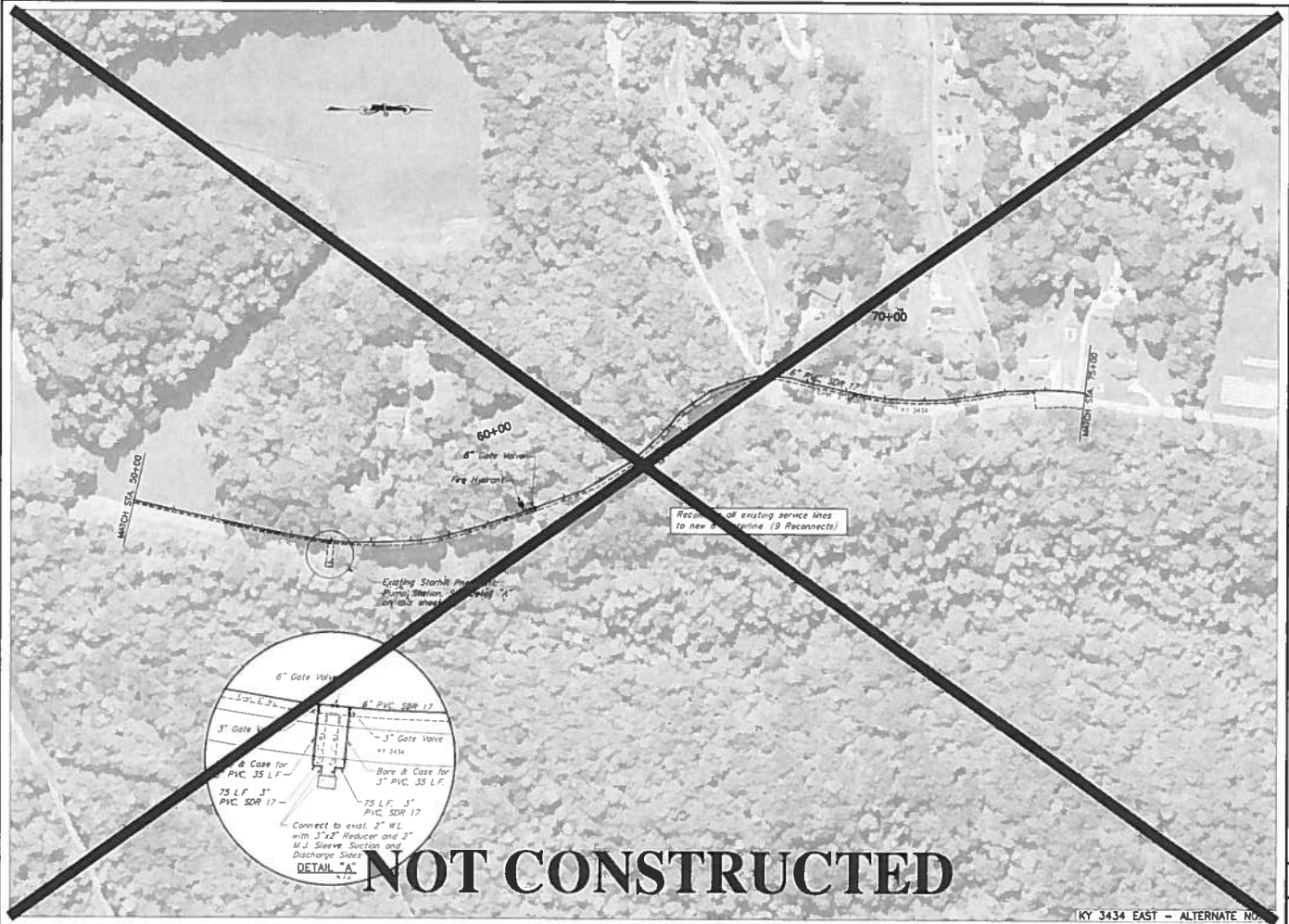
DATE	BY

**KENVIRONS, INC.**  
 FRANKFORT, KENTUCKY



PROJECT NO  
 2017036  
 SHEET NO  
 22

10/20/2018 10:00 AM - 10/20/2018 10:00 AM - 10/20/2018 10:00 AM - 10/20/2018 10:00 AM



**NOT CONSTRUCTED**

KY 3434 EAST - ALTERNATE NO. 1

WOOD CREEK WATER DISTRICT  
 KY 490 / US 25 N. WATERLINE REPLACEMENT  
 LAUREL COUNTY, KENTUCKY

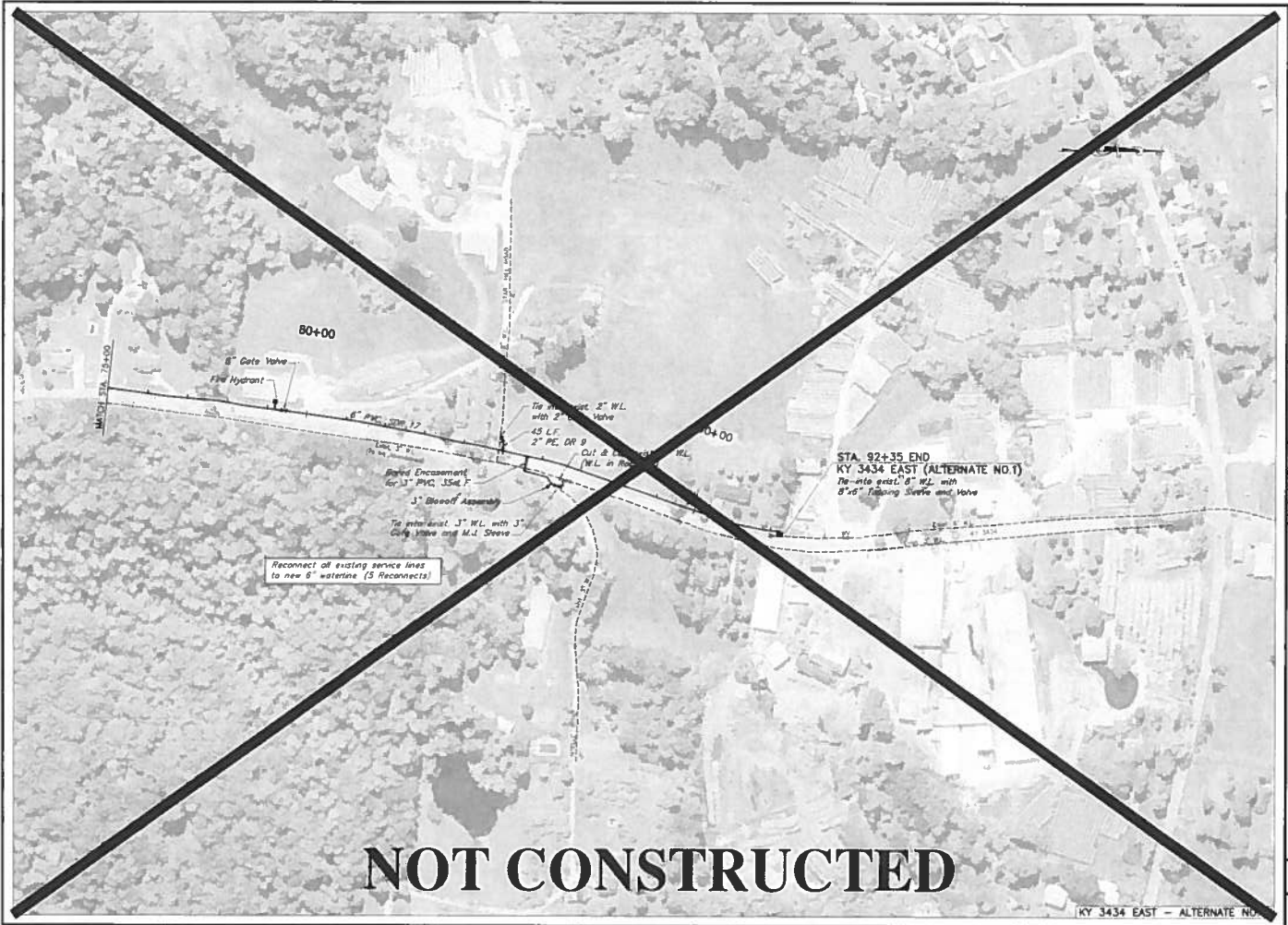


KENVIRONS, INC.  
 FRANKFORT, KENTUCKY



PROJECT NO  
 2017036  
 SHEET NO  
 23

10/25/2017 10:00 AM C:\Users\KLBrown\OneDrive\Documents\Projects\2017036\2017036.dwg



**NOT CONSTRUCTED**

WOOD CREEK WATER DISTRICT  
 KY 490 / US 25 N. WATERLINE REPLACEMENT  
 LAUREL COUNTY, KENTUCKY



DATE	NO.

**KENVIRONS, INC.**  
 FRANKFORT, KENTUCKY



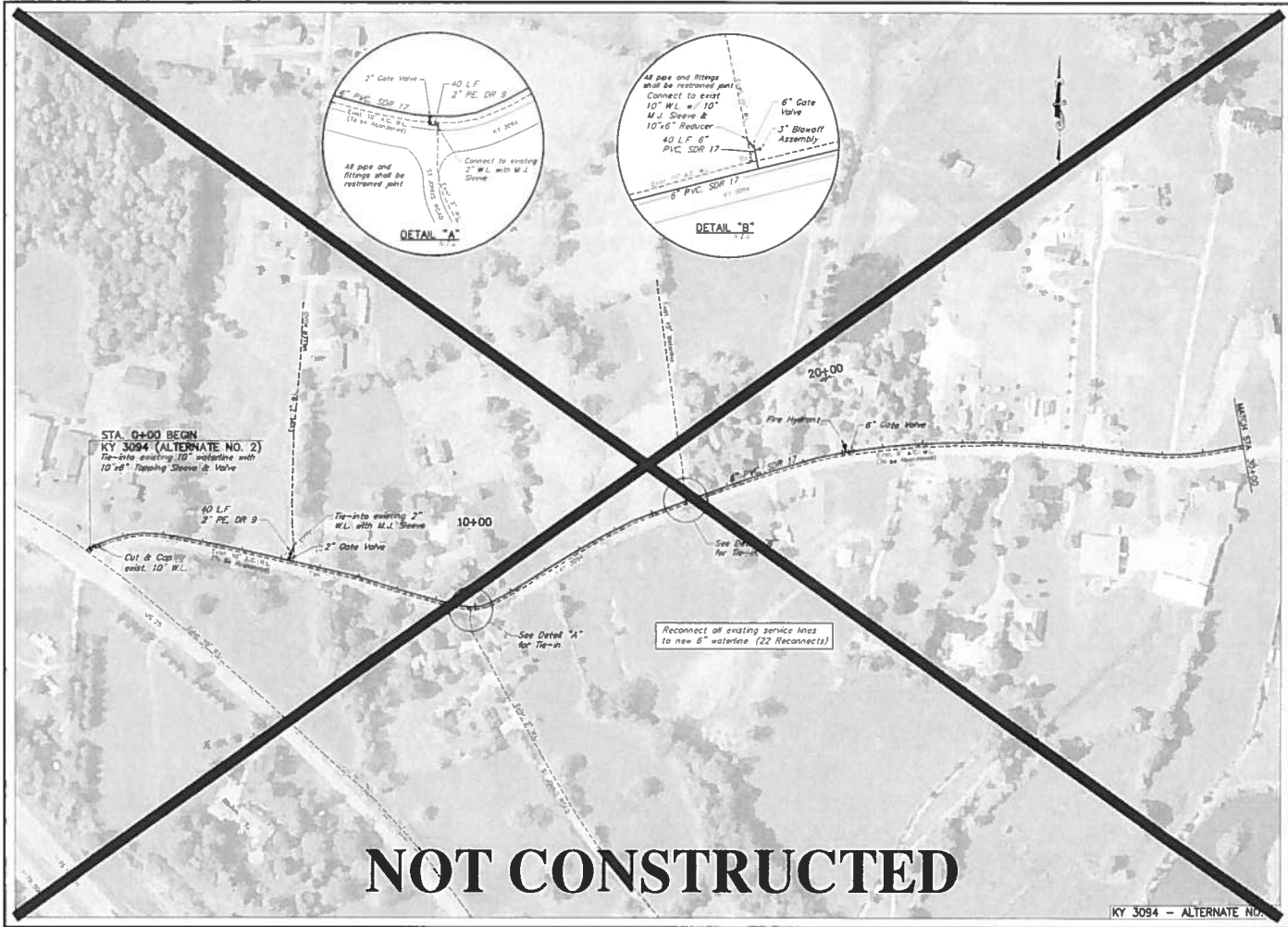
PROJECT NO  
 2017036

SHEET NO  
 24

KY 3434 EAST - ALTERNATE NO. 1

2017036-1-24.dwg (2017036) 11/15/17 10:48:11 AM

WOOD CREEK WATER DISTRICT



WOOD CREEK WATER DISTRICT  
 KY 490 / US 25 N. WATERLINE REPLACEMENT  
 LAUREL COUNTY, KENTUCKY



DATE	DESCRIPTION

KENVIRONS, INC.  
 FRANKFORT, KENTUCKY



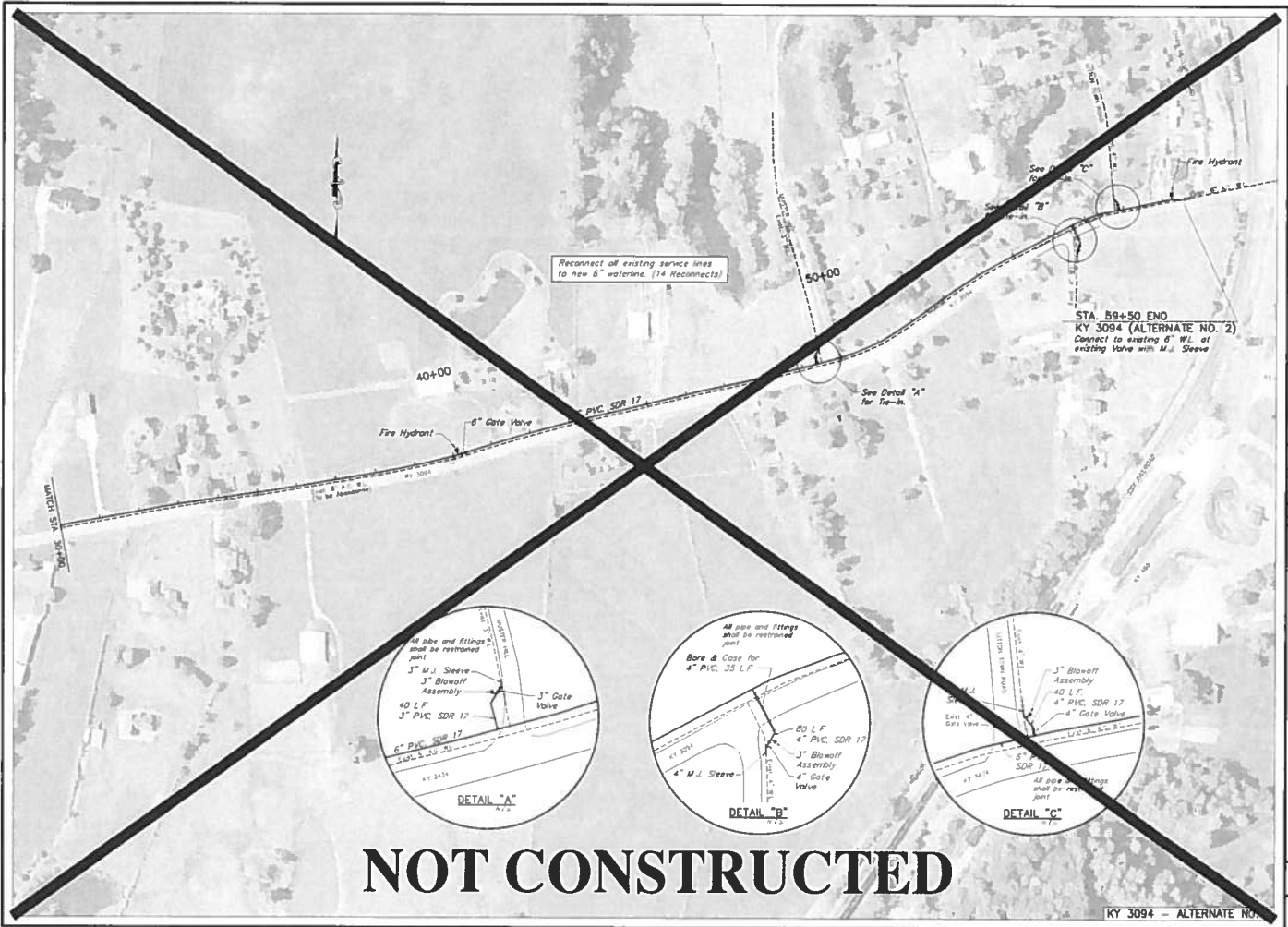
PROJECT NO.  
 2017036

SHEET NO.  
 25

**NOT CONSTRUCTED**

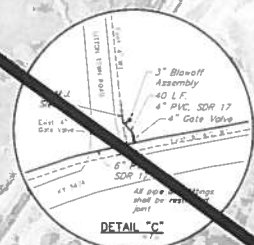
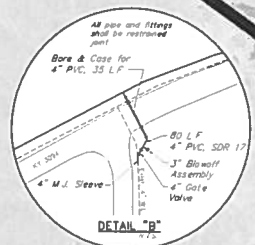
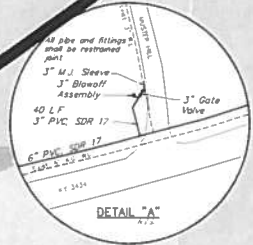
KY 3094 - ALTERNATE NO. 2





Reconnect all existing service lines to new 6" waterline. (14 Reconnects)

STA. 59+50 END  
 KY 3094 (ALTERNATE NO. 2)  
 Connect to existing 6" W. at existing Valve with M.J. Sleeve



**NOT CONSTRUCTED**

WOOD CREEK WATER DISTRICT  
 KY 490 / US 25 N. WATERLINE REPLACEMENT  
 LAUREL COUNTY, KENTUCKY

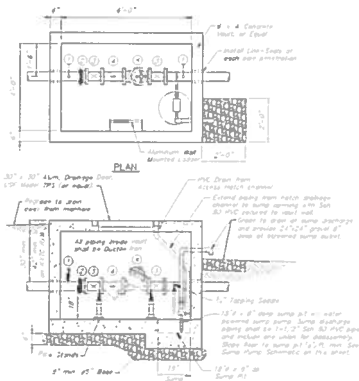


KEN VIRONS, INC.  
 FRANKFORT, KENTUCKY

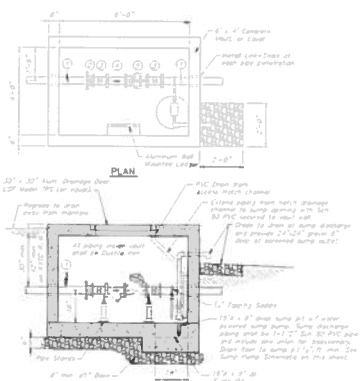


PROJECT NO  
 2017036  
 SHEET NO.  
 26

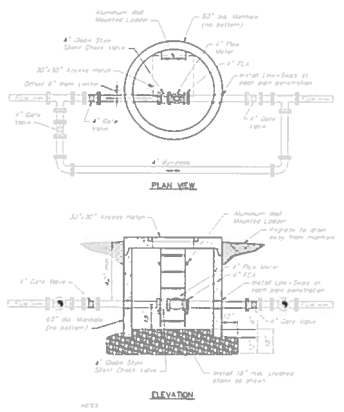
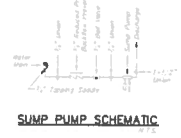
KY 3094 - ALTERNATE NO. 2



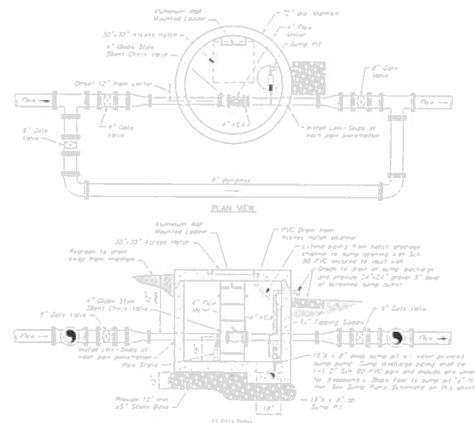
**4" PRESSURE REDUCING STATION**



**5" PRESSURE REDUCING STATION**



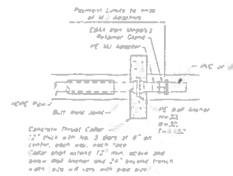
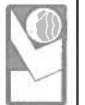
**JACKSON ROAD ZONE METER**



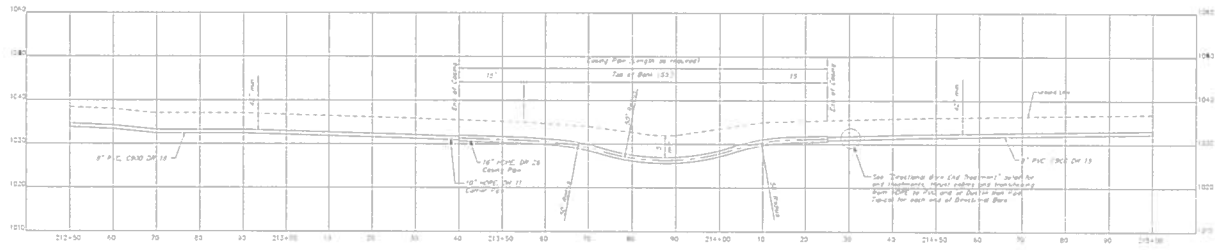
**KY 490 ZONE METER**



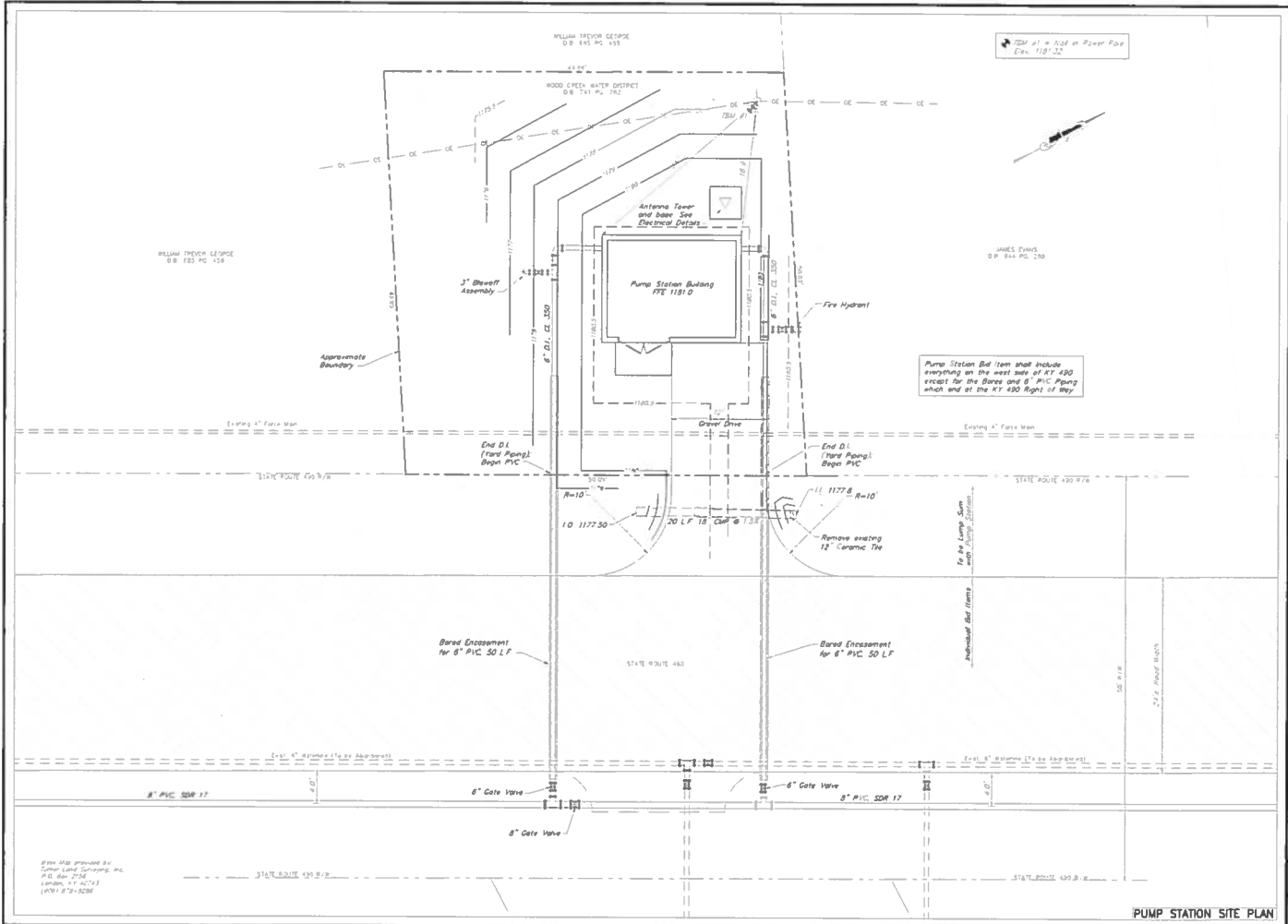
DATE	2023-07-19
SCALE	AS SHOWN
PROJECT NO.	2017036
SHEET NO.	28



**DIRECTIONAL BORE END TREATMENT**



**HAZEL PATCH CREEK DIRECTIONAL BORE**



↑ TBM at n. end of Power Pole  
Elev. 1181.32

Pump Station Bid Item shall include  
everything on the west side of KY 430  
except for the D.I. and 6" PVC Piping  
which are at the KY 430 Right of Way.

Site Map provided by  
Carter Lumber Services, Inc.  
P.O. Box 2008  
Franklin, KY 40513  
(502) 792-9299

PUMP STATION SITE PLAN

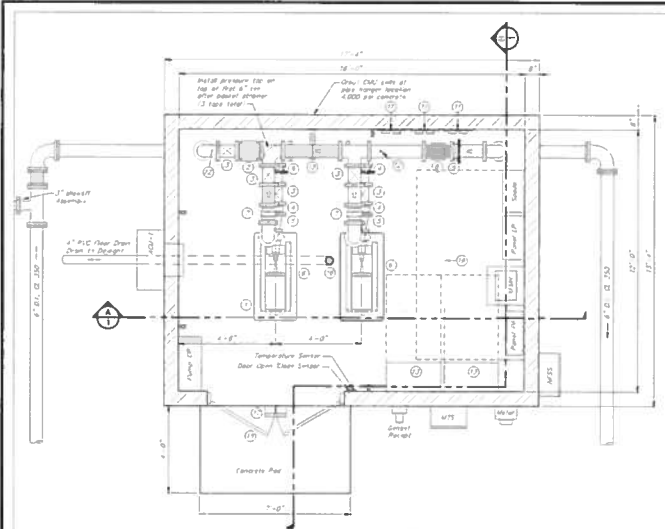
WOOD CREEK WATER DISTRICT  
KY 490 / US 25 N. WATERLINE REPLACEMENT  
LAUREL COUNTY, KENTUCKY



KENVIRONS, INC.  
FRANKFORT, KENTUCKY



PROJECT NO  
2017036  
SHEET NO  
PS-1

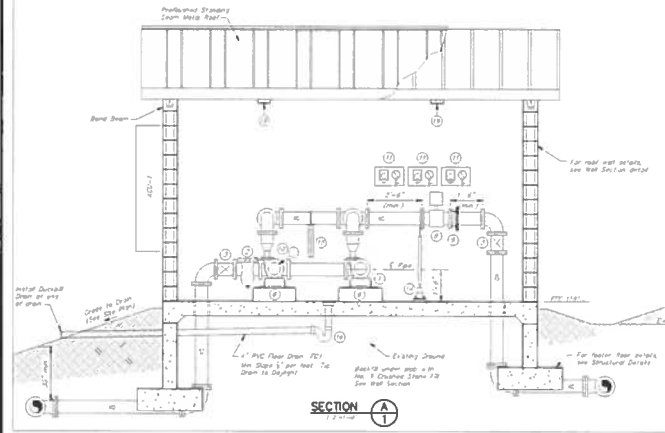


PUMP STATION PLAN VIEW

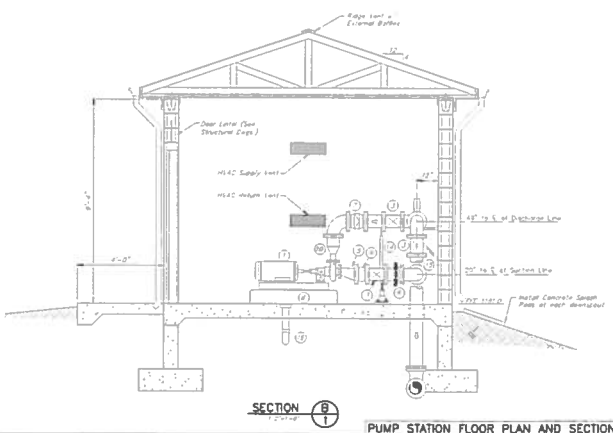
GENERAL NOTES

- The Contractor shall completely excavate to the pump, skimmer and float valve depths and other pump dimensions. The excavation is absolutely necessary to ensure that the concrete pump pad and other structures are constructed to the correct dimensions.
- All float pumps, skimmers and valves shall utilize locking pins and Mechanical Joint Pipe Repairs (single type).
- Pump bases shall be anchored to pump pads with stainless steel foundation bolts with 4" x 7/8" penetration through pump pads to the floor slab. Diameter of anchor bolts per pump supplier's recommendation.
- All skimmers and float valve mounting brackets shall be recessed through the adjacent floor and outer masonry.
- Provide pipe sleeves for all penetrations of walls and floor.
- Provide drainage from any pump, valve or device within the pump station and utilize PVC conduit through the floor slab to the floor drain piping below.
- Check all control joints, construction joints including walls to wall joint, and frame installations.
- All openings shall be skimmer sized the fully recovered.
- Use steel pipe instead of masonry.
- Apply brack filled bear under to operate's floor after all construction is complete inside pump station. See specification for details.
- Construct a 1/2" channel at all construction joints and corners.
- The float pipe penetrals shall be full face joints, 1/2 inch min. space to PENETRAL is manufactured by Smith or Cast Iron Pipe Company (or equal).
- All exterior walls, valves, pumps and metal surfaces shall receive two (2) coats of thermal and non-slip paint or approved equal.
- Floor shall be sloped to drains between 1/8" to 1/4".

NO.	DESCRIPTION
1	Excavation
2	Pumps 7/2 hp 180V 3ph 60Hz
3	SKIMMER
4	SKIMMER
5	SKIMMER
6	SKIMMER
7	SKIMMER
8	SKIMMER
9	SKIMMER
10	SKIMMER
11	SKIMMER
12	SKIMMER
13	SKIMMER
14	SKIMMER
15	SKIMMER
16	SKIMMER
17	SKIMMER
18	SKIMMER
19	SKIMMER
20	SKIMMER
21	SKIMMER
22	SKIMMER
23	SKIMMER
24	SKIMMER
25	SKIMMER
26	SKIMMER
27	SKIMMER
28	SKIMMER
29	SKIMMER
30	SKIMMER
31	SKIMMER
32	SKIMMER
33	SKIMMER
34	SKIMMER
35	SKIMMER
36	SKIMMER
37	SKIMMER
38	SKIMMER
39	SKIMMER
40	SKIMMER
41	SKIMMER
42	SKIMMER
43	SKIMMER
44	SKIMMER
45	SKIMMER
46	SKIMMER
47	SKIMMER
48	SKIMMER
49	SKIMMER
50	SKIMMER



SECTION A-A



SECTION B-B

PUMP STATION FLOOR PLAN AND SECTIONS