

Ebert Engineering, Inc.

Water and Wastewater Engineering

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Inspectors Daily Report

Project: Lower Makefield Township Community Center

Project No.: 068-020

Location: Oxford Valley Road and Countess Drive

Report No.: 01

Date: 12/27/2016

Weather: Clear Overcast Rain Mist Hot Warm Cold Cool Temp. Range 55°-62°

Day: Tuesday

Site Conditions: Clear Muddy Dusty Snowy Other

Contractor's Labor Force:

Foreman: Brian Kent

Operator: Kevin Zimmerman

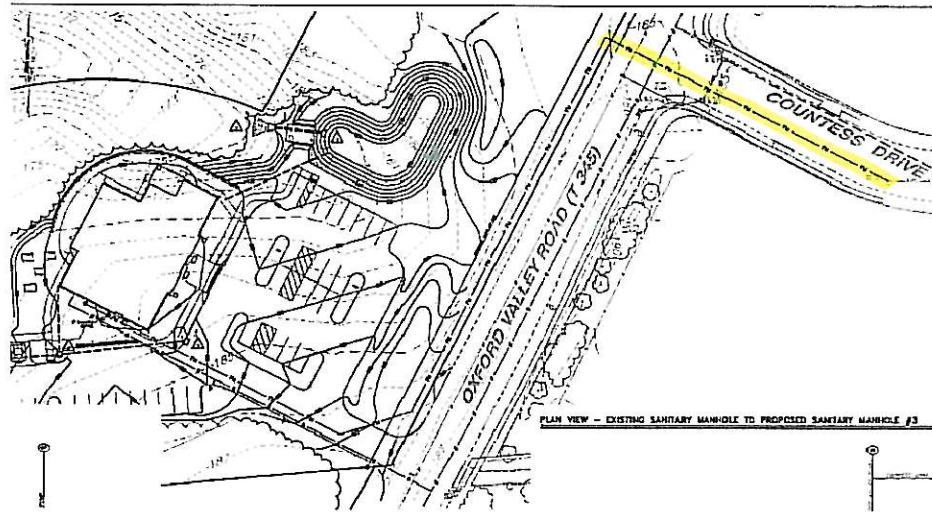
Laborers: _____

Equipment Used:

- Vermeer Boring Machine
- Vacuum Truck
- John Deere 410 (Backhoe)

Material Used:

- DR-11 1-1/4" Pipe
- Link Seal



The Boring Company, L&N Zimmerman Boring, arrived onsite at 10:00 am. They began with coring the asphalt road in 4 spots in Countess Drive and Oxford Valley Road to visually find utilities to ensure they would not be hit. L&N Zimmerman began boring at 12:00 pm from the Community Center Property on the west side of Oxford Valley Road to an existing manhole in Countess Drive. The total boring distance was 220 LF. The L&N Zimmerman Bore Log is attached. Upon completion of boring through the manhole, the DR-11 1-1/4" pipe was pulled back through the bore and left at the surface on the Community Center property for continuation of installing the force main. The pipe in the manhole was sealed using link seal, and the pipe was capped until a proper force main discharge into the manhole is constructed. The invert of the force main is 7' below the rim of the manhole. The boring company then backfilled the cores in the road and replaced and cemented the asphalt cores in the roadway.

Visitors / Comments:

Inspector:

L&N ZIMMERMAN BORING

BORE LOG (AS-BUILT)

Customer Baver Inc.

Job Location Oxford valley rd \ courtest dr

Date 12-27-16

Starting Point Oxford valley rd

Rod Length 106'

End Point existing manhole on courtest dr

Bore Length 2205'

Pipe size and type 1 1/2" pressure sewer

Foreman Kevin Zimmerman

Rod #	Depth	Pitch %	Utilities/Comments	Rod #	Depth	Pitch %	Utilities/Comments
1	6'10"	0%	Corb	26			
2	6'8"	-2%		27			
3	7'1"	0%	water line	28			
4	7'1"	0%		29			
5	6'9"	0%	gas main	30			
6	6'5"	0%		31			
7	6'6"	0%		32			
8	6'7"	0%		33			
9	6'7"	0%		34			
10	6'8"	0%		35			
11	6'8"	0%		36			
12	7'	0%		37			
13	7'2"	0%		38			
14	7'4"	0%		39			
15	7'5"	0%		40			
16	7'7"	0%		41			
17	7'8"	0%		42			
18	7'8"	+2%		43			
19	7'4"	+3%		44			
20	7'	+4%		45			
21	6'8"	+2%	electric line \ gas service	46			
22	6'10"	+1%		47			
23	6'8"	+2%	man hole	48			
24				49			
25				50			