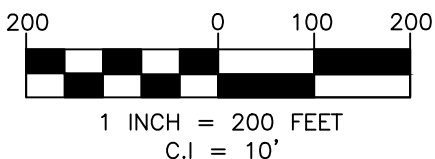


Sampling Points	
①	VFP-1 In
②	VFP-2 In
③	Combined VFP Out
④	Settling Pond Out
⑤	Raw AMD Oak Twin
⑥	Raw AMD No. 3
⑦	VFP-1 Out @ WLCS
⑧	VFP-2 Out @ WLCS

GRAPHIC SCALE



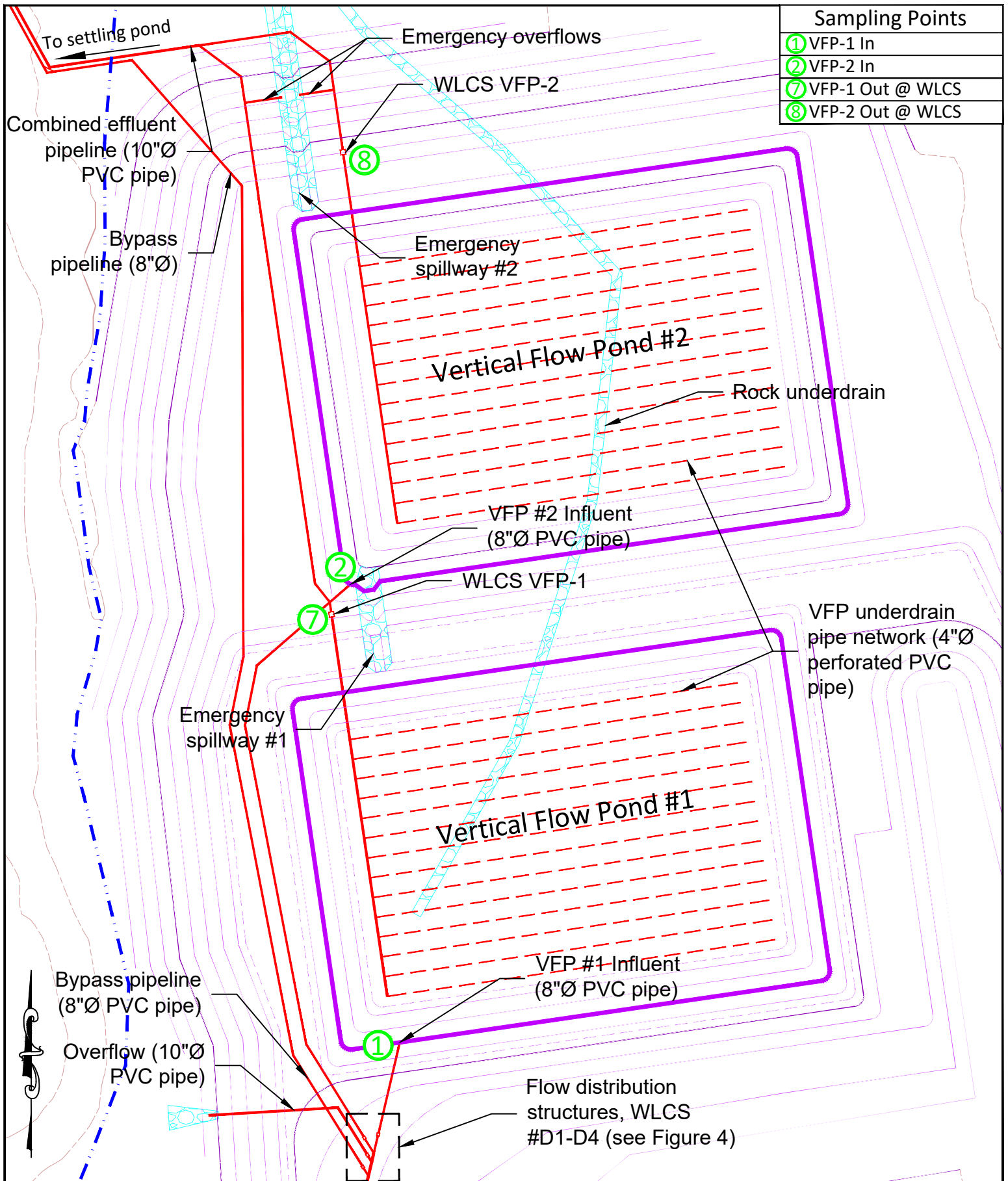
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Figure 1: Site Overview

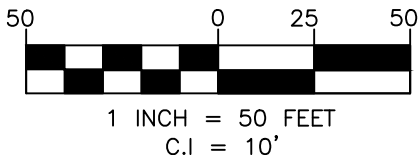
Potts Run O&M Plan

Municipality:	Date:	
Knox Township	10/29/19	
COUNTY:	Drawn by:	Scale:
Clearfield	NEA	As shown



Sampling Points	
①	VFP-1 In
②	VFP-2 In
⑦	VFP-1 Out @ WLCS
⑧	VFP-2 Out @ WLCS

GRAPHIC SCALE



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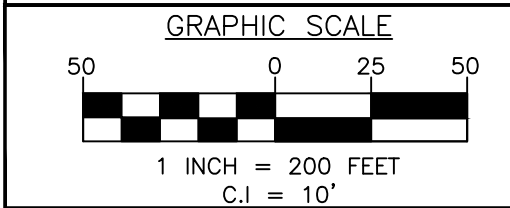
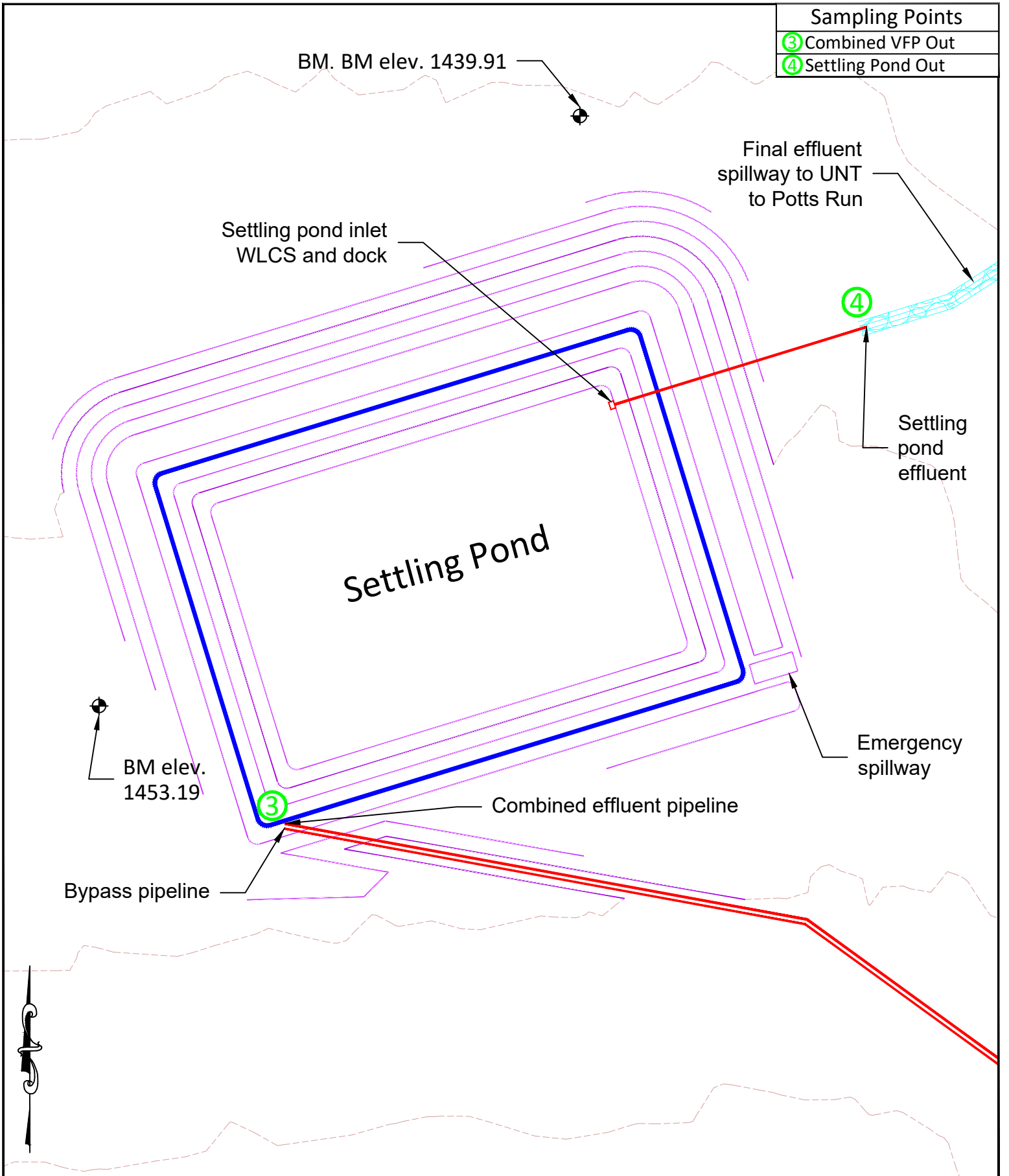
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Figure 2: Vertical Flow Ponds

Potts Run O&M Plan

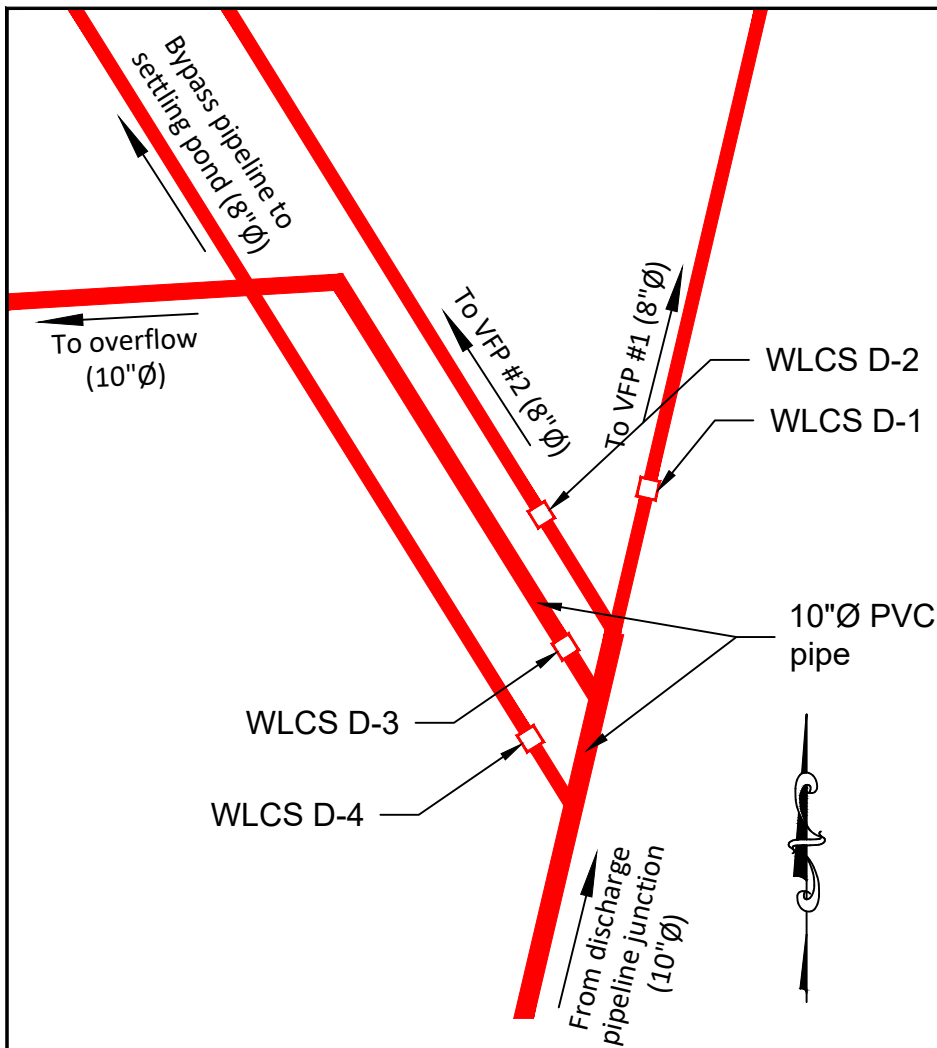
Municipality: Knox Township	Date: 10/29/19	
COUNTY: Clearfield	Drawn by: NEA	Scale: As shown

Sampling Points	
③	Combined VFP Out
④	Settling Pond Out



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Figure 3: Settling Pond		
Potts Run O&M Plan		
Municipality:	Date:	
Knox Township	10/29/19	
COUNTY:	Drawn by:	Scale:
Clearfield	NEA	As shown



Design Flow Distribution	
Location	Max flow (gpm)
VFP #1 Influent	220
VFP #2 Influent	220
Raw bypass to pond	330

Note: As the flow manifold is designed, flows higher than the above values should be overflowed.

Flow Distribution Structures
1" = 10'

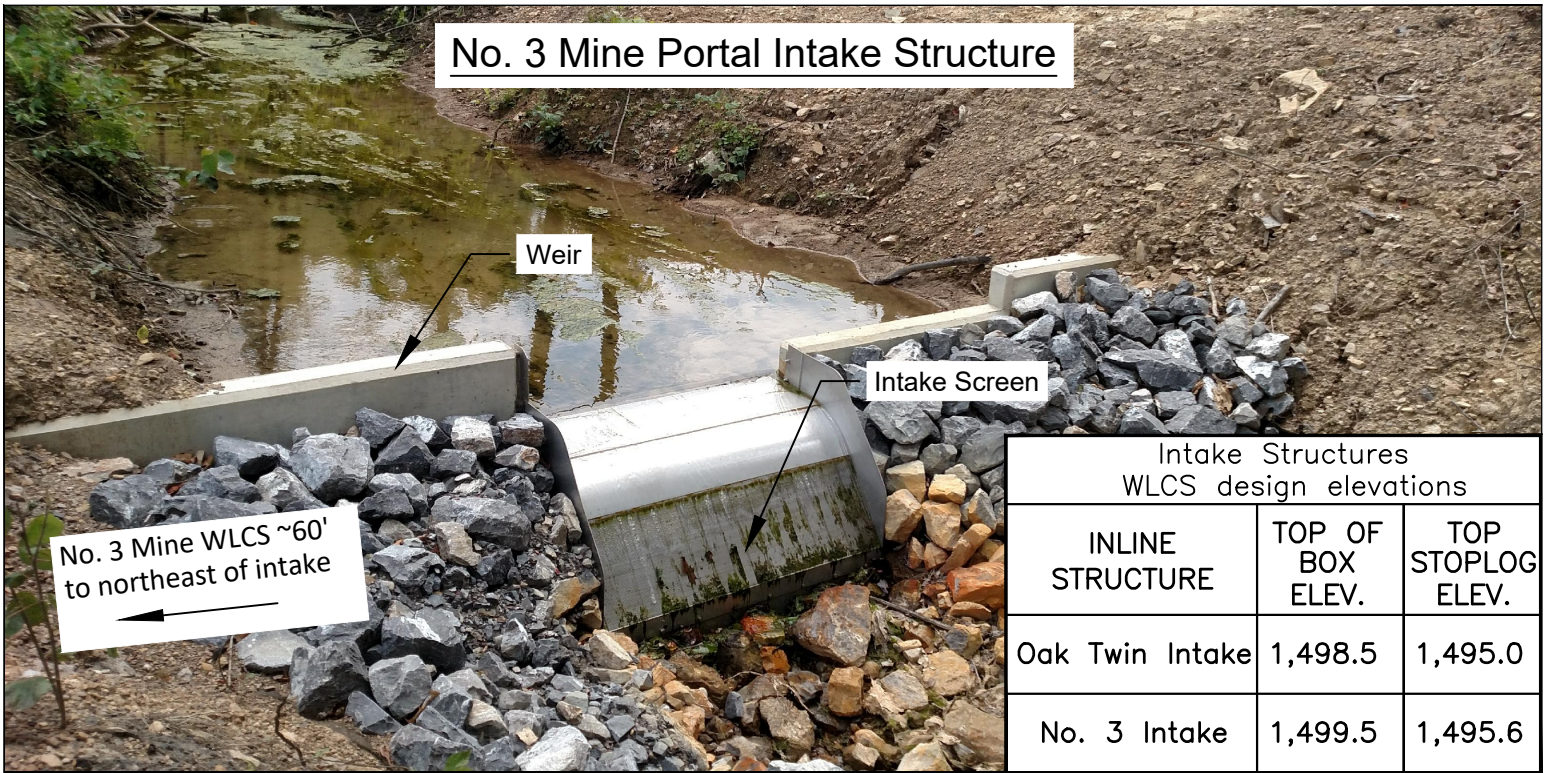
Flow distribution manifold WLCS design elevations		
INLINE STRUCTURE	TOP OF BOX ELEV.	TOP STOPLOG ELEV.
VFP #1	1,478.0	1,477.0
VFP #2	1,473.6	1,472.0
D-1*	1,483.3	1,483.5
D-2*	1,483.3	1,483.5
D-3	1,483.3	1,481.0
D-4	1,483.3	1,480.5

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Figure 4: Flow Distribution
Potts Run O&M Plan

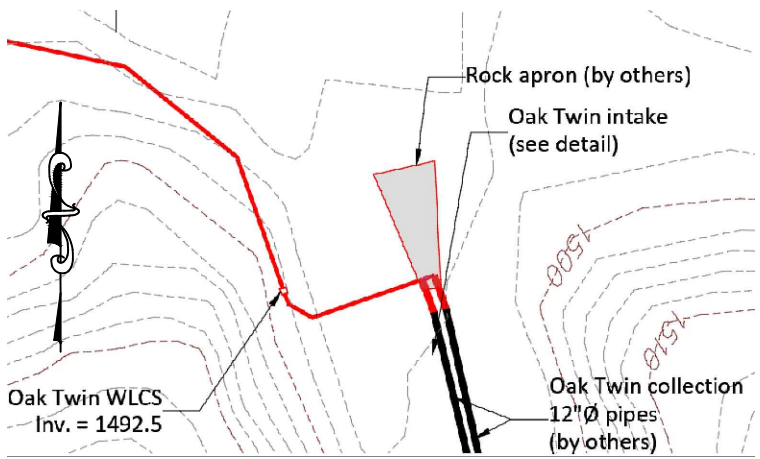
Municipality: Knox Township	Date: 10/29/19	
COUNTY: Clearfield	Drawn by: NEA	Scale: As shown

No. 3 Mine Portal Intake Structure

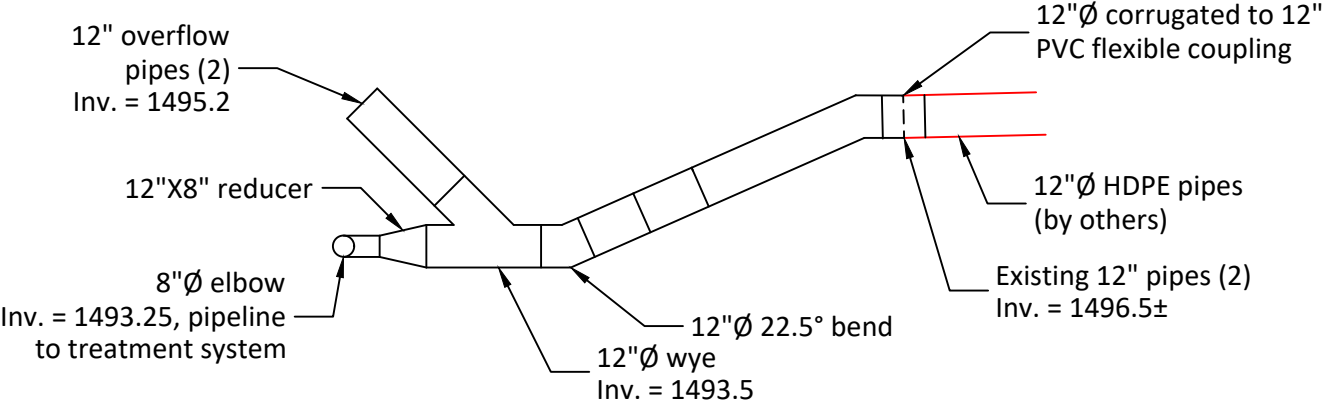


Intake Structures WLCS design elevations		
INLINE STRUCTURE	TOP OF BOX ELEV.	TOP STOPLOG ELEV.
Oak Twin Intake	1,498.5	1,495.0
No. 3 Intake	1,499.5	1,495.6

Oak Twin Intake Structure



Section View



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Figure 5: Intake Structures

Potts Run O&M Plan

Municipality: Knox Township	Date: 10/29/19	
COUNTY: Clearfield	Drawn by: NEA	Scale: As shown