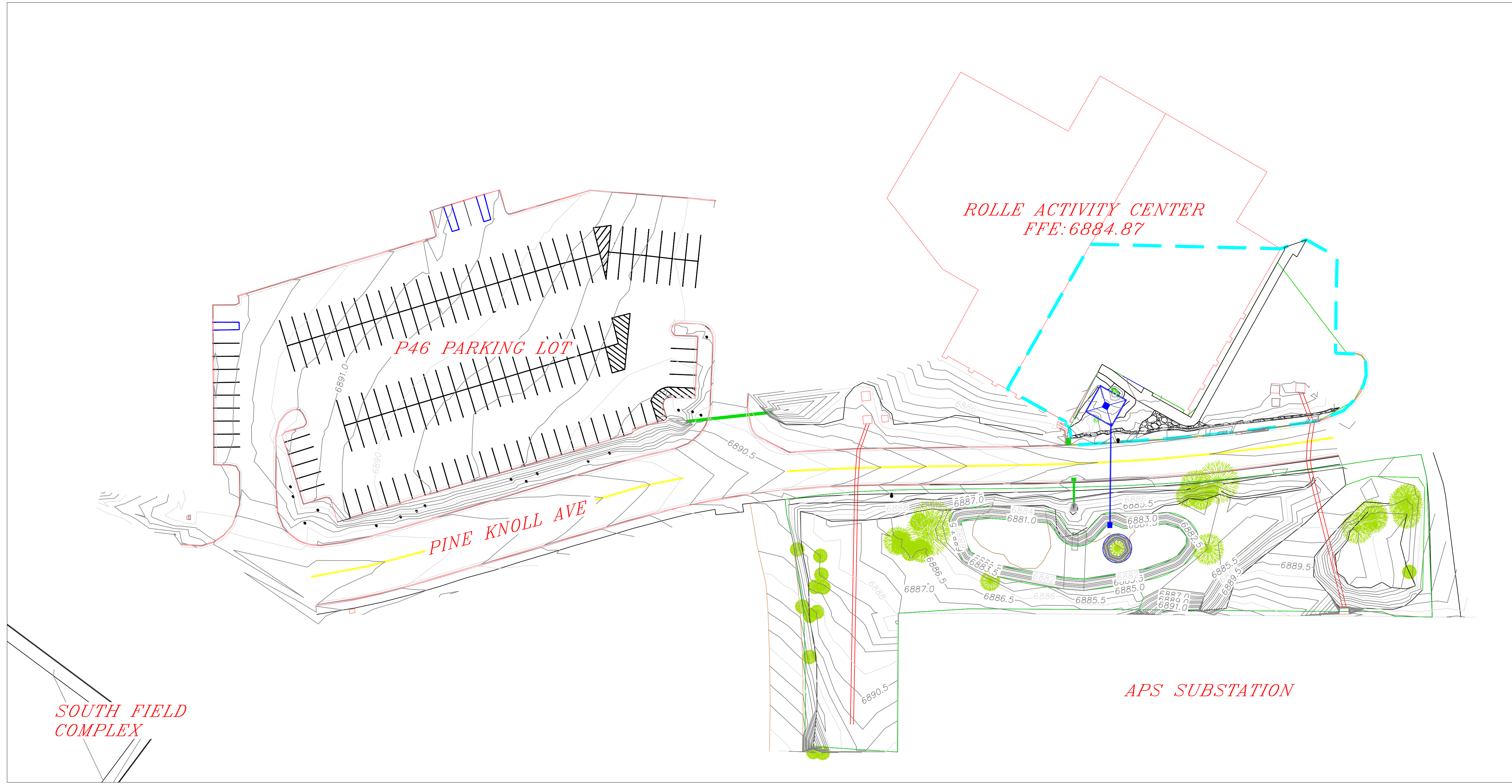


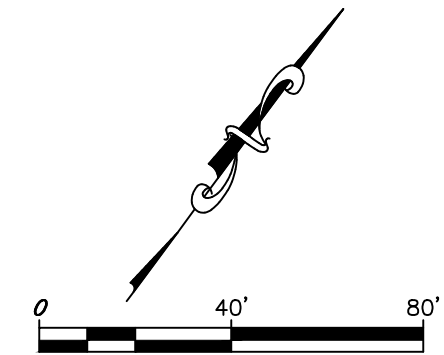
PROPOSED OVERALL

12/14/2017



**LEGEND**

- PONDEROSA PINE TREE 
- BOULDER 
- BUSH 
- LIGHT POLE 
- STORM PIPE 
- UNDERGROUND ELECTRIC 
- RUNOFF AREA 



*General Notes*

THE PLANS SEEN HERE HAVE BEEN PRODUCED BY THE ZABS DESIGN TEAM.

SURVEY WAS PERFORMED 9/10/17

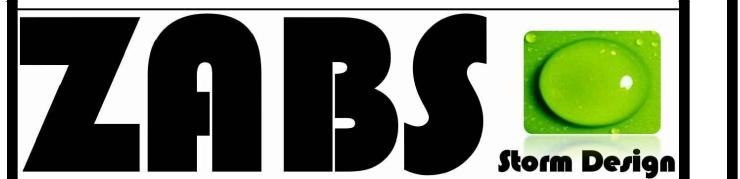
SUPPLEMENTAL SURVEYING INFORMATION HAS BEEN PROVIDED WITH THE CONSENT OF THE WLB GROUP INC ON 10/3/17

RUNOFF AREA CALCULATED 10/9/17

VOLUME CALCULATED 10/9/17

BASIN RUNOFF CALCULATED

No.	Revision/Issue	Date



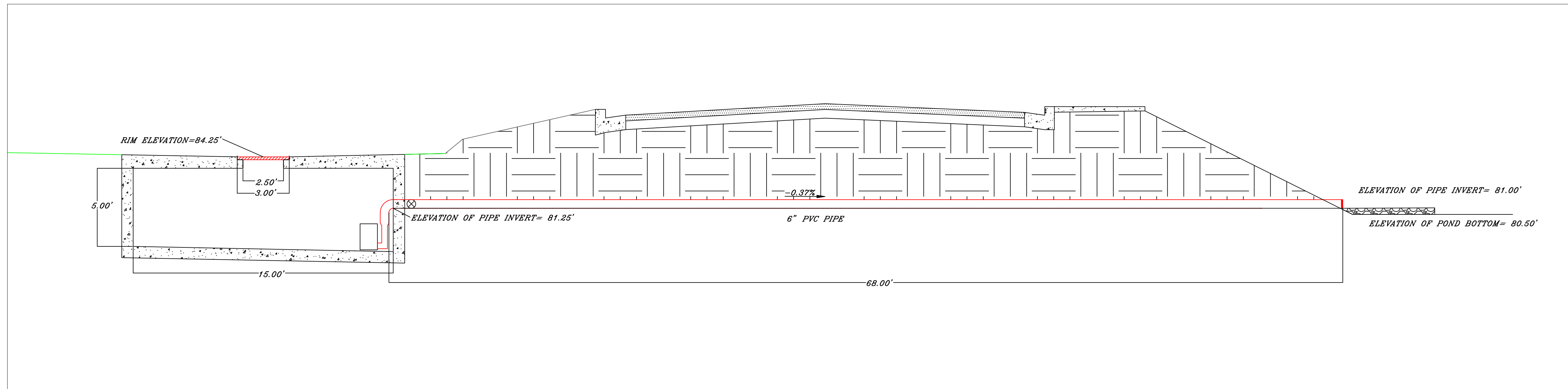
"KEEPING IT DRY SINCE 2017"

Project Name and Address  
 FLOOD MITIGATION AND STORM WATER USE  
 NAU  
 486C CAPSTONE PROJECT

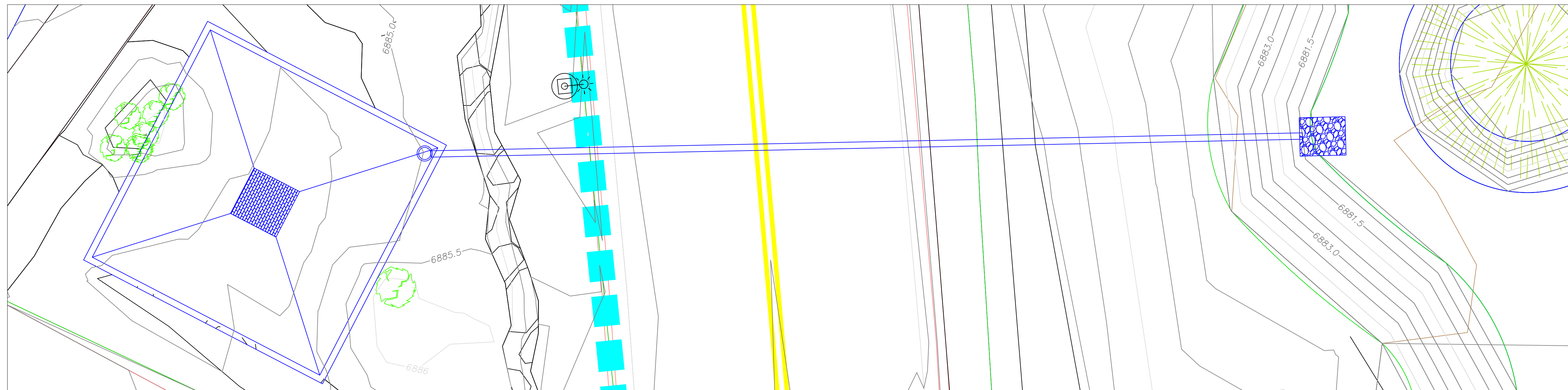
Project 117001A01	Sheet 1/3
Date 12/14/2017	
Scale SEE ON SHEET	



**PROFILE OF PIPE AND WELL LAYOUT**



**PLAN VIEW OF PIPE AND WELL**



**LEGEND**

- PONDEROSA PINE TREE
- BUSH
- LIGHT POLE
- PROPOSED 6" PVC PIPE
- RUNOFF AREA
- STEEL GRATE
- RIP RAP

*General Notes*

THE PLANS SEEN HERE HAVE BEEN PRODUCED BY THE ZABS DESIGN TEAM.  
 WELL DESIGN VOLUME = 1,125 CF  
 4" PVC PIPE = 1.5'  
 6" PVC PIPE = 69'  
 UNDER ROAD PIPE SLOPE = -0.37%  
 POND BOTTOM ELEVATION = 80.50'  
 6" PIPE OUTLET INVERT = 81.00'  
 3' X 3' STORM GRATE RIM = 84.25'  
 6" SWING GATE VALVE  
 4' X 5' RIP RAP AT 6" PIPE OUTLET

No.	Revision/Issue	Date



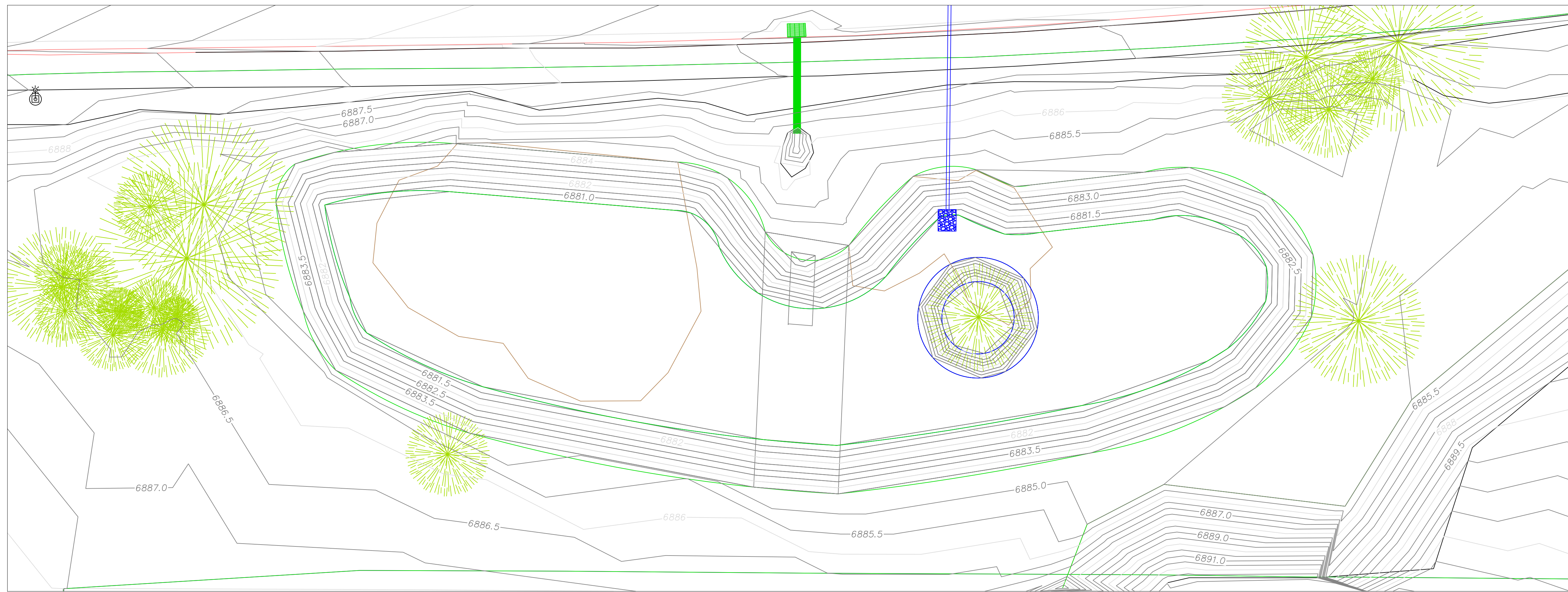
Project Name and Address  
 FLOOD MITIGATION AND STORM WATER USE  
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 486C CAPSTONE PROJECT

Project 117001A01	Sheet 2/3
Date 12/14/2017	
Scale SEE ON SHEET	

PROPOSED SYSTEM

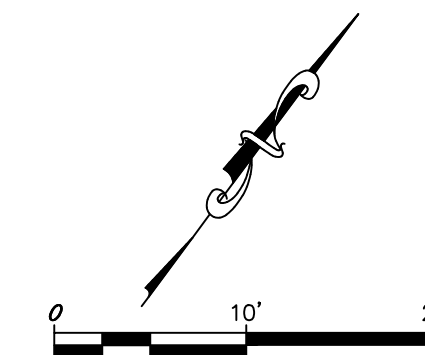
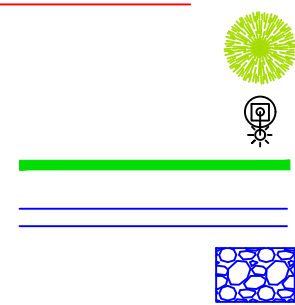
12/14/2017





**LEGEND**

- PONDEROSA PINE TREE
- LIGHT POLE
- STORM PIPE
- 6" PVC PIPE
- RIP RAP



*General Notes*

THE PLANS SEEN HERE HAVE BEEN PRODUCED BY THE ZABS DESIGN TEAM.

PROPOSED POND ADDS 22,700 CF OF AVAILABLE VOLUME

POND SLOPES ARE 2:1

No.	Revision/Issue	Date



"KEEPING IT DRY SINCE 2017"

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Project 117001A01	Sheet 3/3
Date 12/14/2017	
Scale SEE ON SHEET	