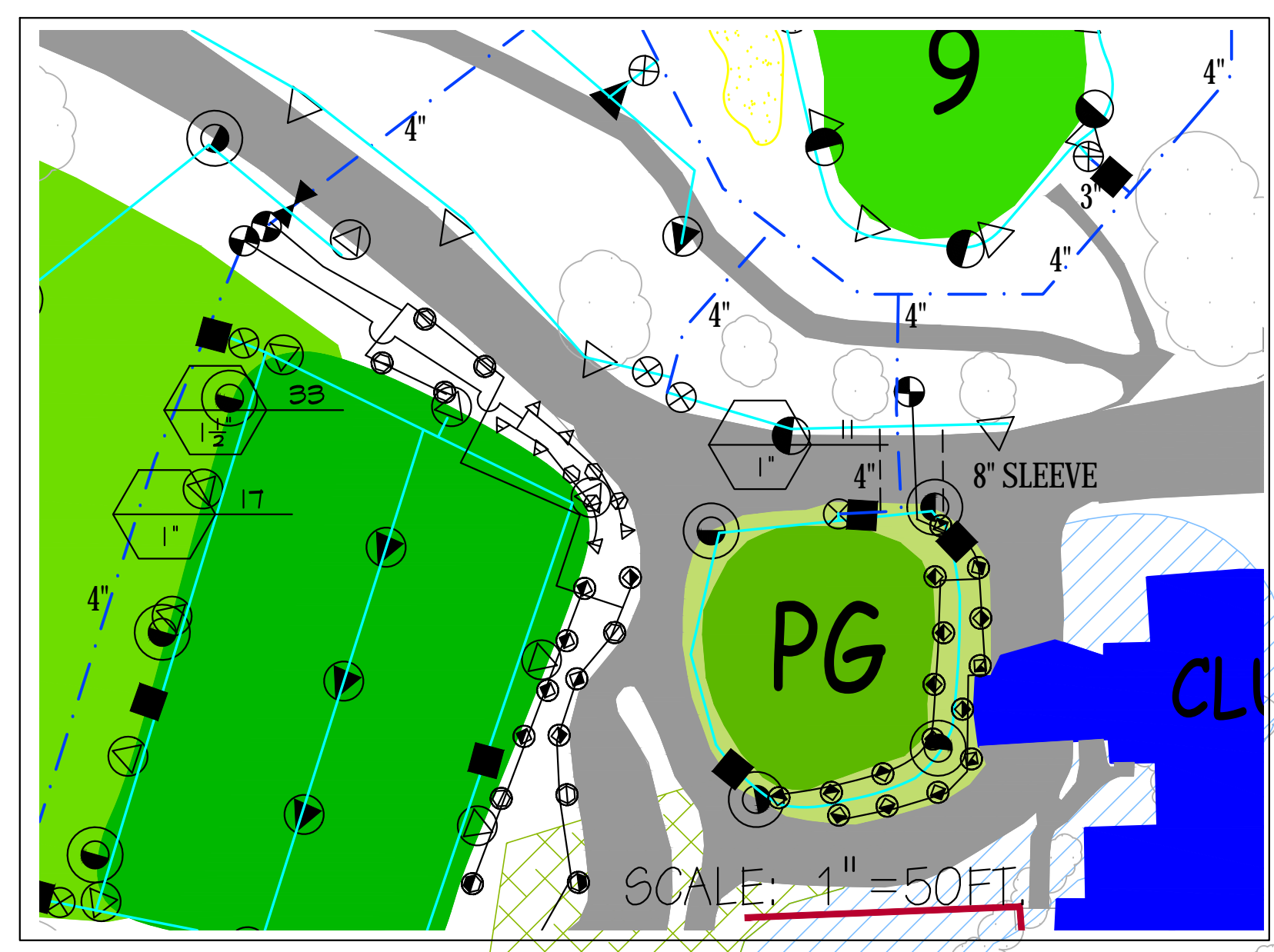


STATUS: <b>FOR PERMITTING</b> <b>NOT FOR CONSTRUCTION</b>		REVISIONS: NO. DATE DESCRIPTION . . . . . . . . . . . . . . . . . .	SEAL: 	SHEET TITLE: <b>SPRINKLER AND PIPING PLAN</b>	PROJECT NAME: NASHAWTUC COUNTRY CLUB CONCORD, MA 01742 IRRIGATION SYSTEM CONSTRUCTION DOCUMENTS	CLIENT NAME: NASHAWTUC COUNTRY CLUB 1861 SUDBURY ROAD CONCORD, MA 01742
SCALE: PER VP DATE: 05/30/2018	SHEET NUMBER: <b>IR-1.0</b>					





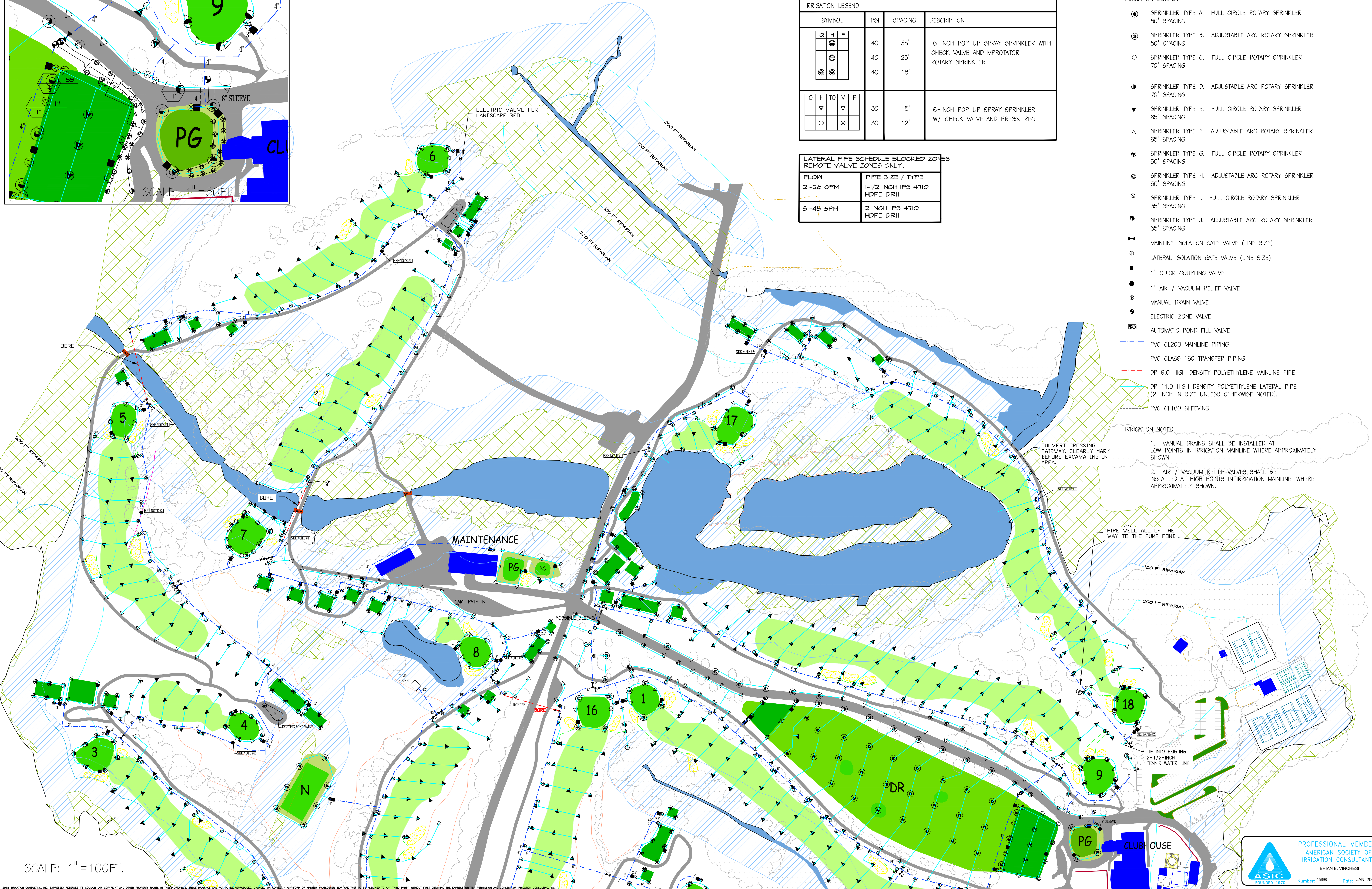


IRRIGATION LEGEND			
SYMBOL	PSI	SPACING	DESCRIPTION
⊙	40	35'	6-INCH POP UP SPRAY SPRINKLER WITH CHECK VALVE AND MPROTATOR ROTARY SPRINKLER
⊙	40	25'	
⊙	40	18'	
⊙	30	15'	6-INCH POP UP SPRAY SPRINKLER W/ CHECK VALVE AND PRESS. REG.
⊙	30	12'	

LATERAL PIPE SCHEDULE BLOCKED ZONES REMOTE VALVE ZONES ONLY.	
FLOW	PIPE SIZE / TYPE
21-28 GPM	1-1/2 INCH IPS 4710 HDPE DRI
31-45 GPM	2 INCH IPS 4710 HDPE DRI

- IRRIGATION LEGEND:
- ⊙ SPRINKLER TYPE A. FULL CIRCLE ROTARY SPRINKLER 80' SPACING
  - ⊙ SPRINKLER TYPE B. ADJUSTABLE ARC ROTARY SPRINKLER 80' SPACING
  - SPRINKLER TYPE C. FULL CIRCLE ROTARY SPRINKLER 70' SPACING
  - ⊙ SPRINKLER TYPE D. ADJUSTABLE ARC ROTARY SPRINKLER 70' SPACING
  - ▼ SPRINKLER TYPE E. FULL CIRCLE ROTARY SPRINKLER 65' SPACING
  - △ SPRINKLER TYPE F. ADJUSTABLE ARC ROTARY SPRINKLER 65' SPACING
  - ⊙ SPRINKLER TYPE G. FULL CIRCLE ROTARY SPRINKLER 50' SPACING
  - ⊙ SPRINKLER TYPE H. ADJUSTABLE ARC ROTARY SPRINKLER 50' SPACING
  - ⊙ SPRINKLER TYPE I. FULL CIRCLE ROTARY SPRINKLER 35' SPACING
  - ⊙ SPRINKLER TYPE J. ADJUSTABLE ARC ROTARY SPRINKLER 35' SPACING
  - MAINLINE ISOLATION GATE VALVE (LINE SIZE)
  - LATERAL ISOLATION GATE VALVE (LINE SIZE)
  - 1" QUICK COUPLING VALVE
  - 1" AIR / VACUUM RELIEF VALVE
  - ⊙ MANUAL DRAIN VALVE
  - ⊙ ELECTRIC ZONE VALVE
  - ⊙ AUTOMATIC POND FILL VALVE
  - PVC CL200 MAINLINE PIPING
  - PVC CLASS 160 TRANSFER PIPING
  - DR 9.0 HIGH DENSITY POLYETHYLENE MAINLINE PIPE
  - DR 11.0 HIGH DENSITY POLYETHYLENE LATERAL PIPE (2-INCH IN SIZE UNLESS OTHERWISE NOTED).
  - PVC CL160 SLEEVING


- IRRIGATION NOTES:
1. MANUAL DRAINS SHALL BE INSTALLED AT LOW POINTS IN IRRIGATION MAINLINE WHERE APPROXIMATELY SHOWN.
  2. AIR / VACUUM RELIEF VALVES SHALL BE INSTALLED AT HIGH POINTS IN IRRIGATION MAINLINE. WHERE APPROXIMATELY SHOWN.




STATUS: <b>FOR PERMITTING</b> <b>NOT FOR CONSTRUCTION</b>	REVISIONS:
SCALE: PER VP	NO. DATE DESCRIPTION
DATE: 05/30/2018	IR-1.1

SEAL:	SHEET TITLE:
	SPRINKLER AND PIPING PLAN

PROJECT NAME:	CLIENT NAME:
NASHAWTUC COUNTRY CLUB	NASHAWTUC COUNTRY CLUB
CONCORD, MA 01742	1861 SUDBURY ROAD
IRRIGATION SYSTEM CONSTRUCTION DOCUMENTS	CONCORD, MA 01742



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BRIAN E. VINCHESI  
Number: 15688 Date: JAN. 2003



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**A** Installation Example  
Trenching Machine



**B** Installation Example  
Mainline Trench



**C** Installation Example  
Trench Backfill Compaction



**D** Installation Example  
Trench Clean-Up Restoration



**E** Installation Example  
Completed Trench



**F** Installation Example  
Lateral Pipe Puller



**G** Installation Example  
Pulled Lateral Pipe



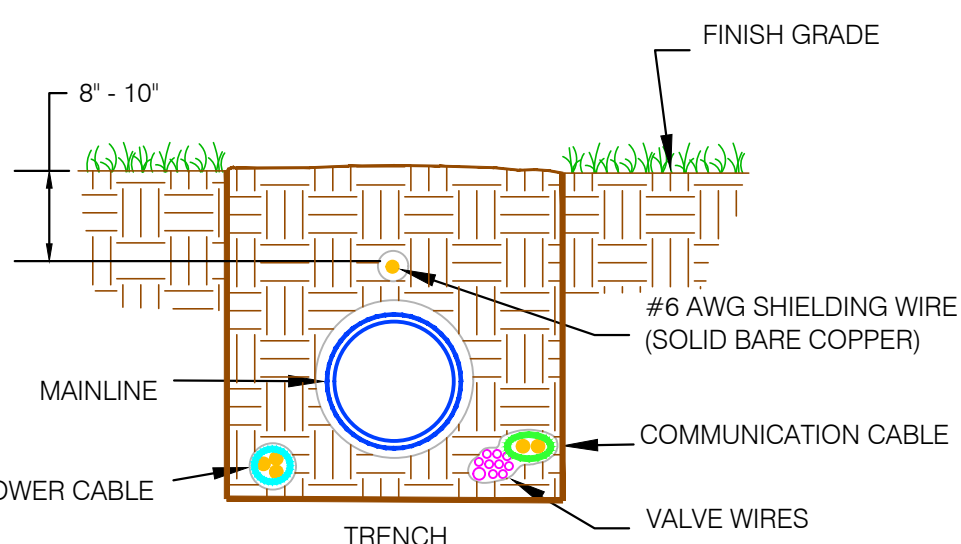
**H** Installation Example  
Finished Lateral Pipe Installation

## Mainline and Lateral Line Installation Photographic Detail

- Notes:
1. Maximum 250' of Open Trench at Any Given Time
  2. No Open Trenches Left Over Night

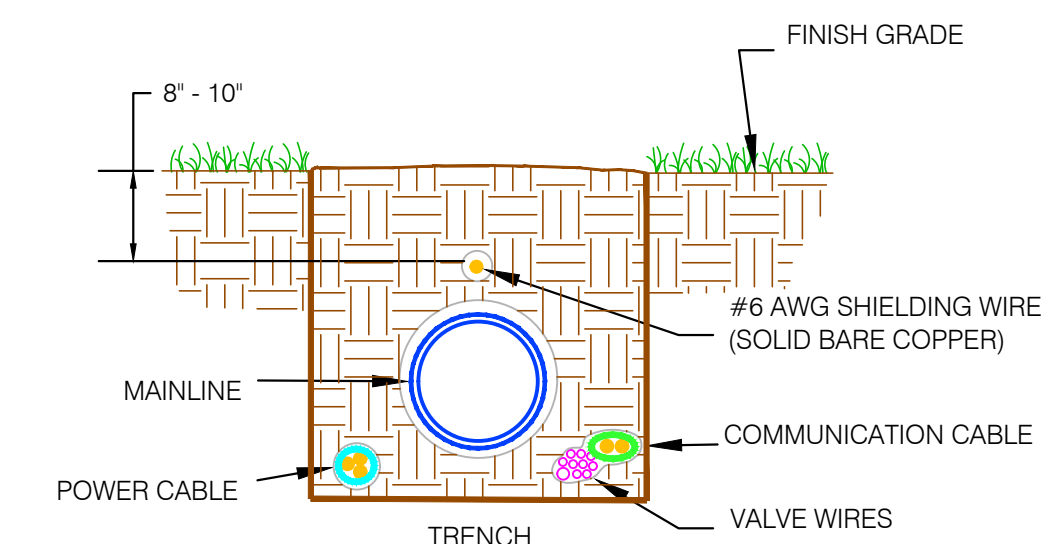
## Trench and Wire Detail

No Scale

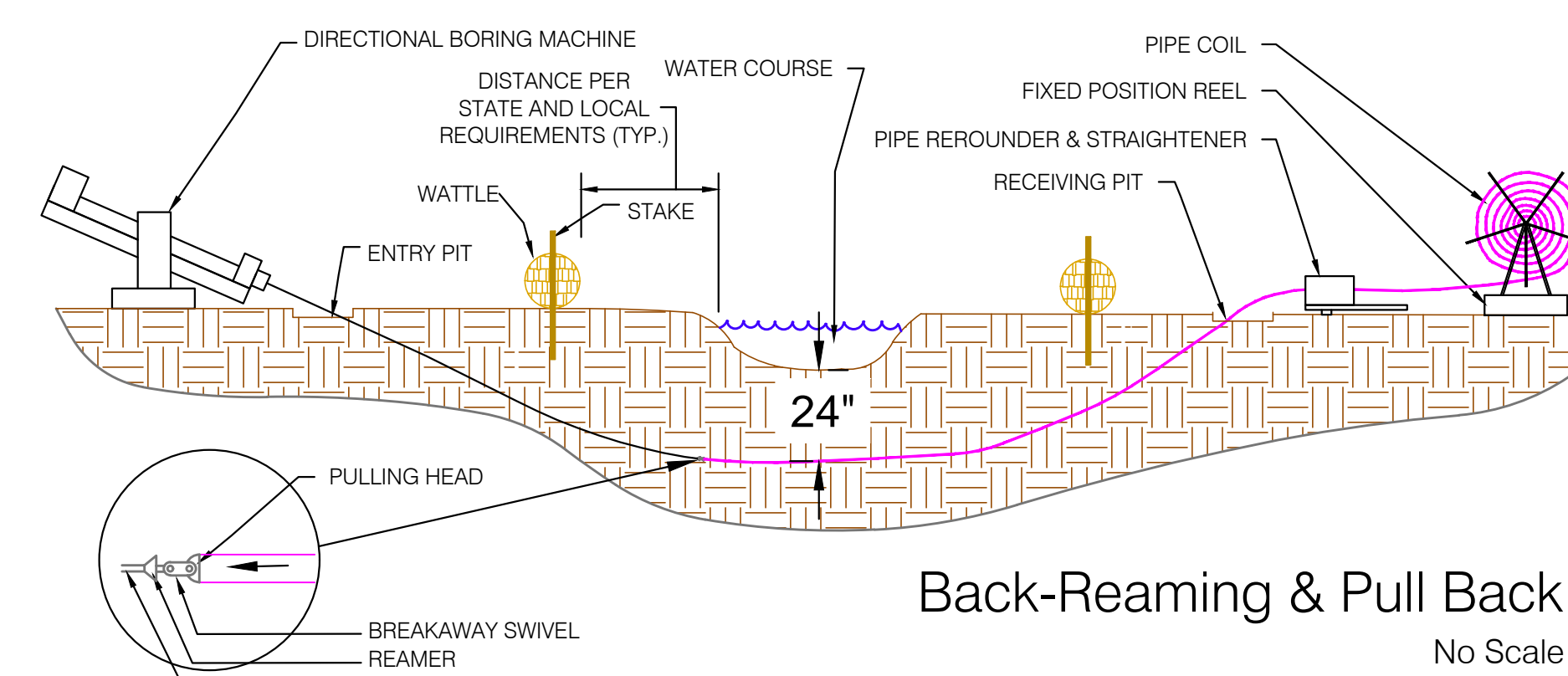
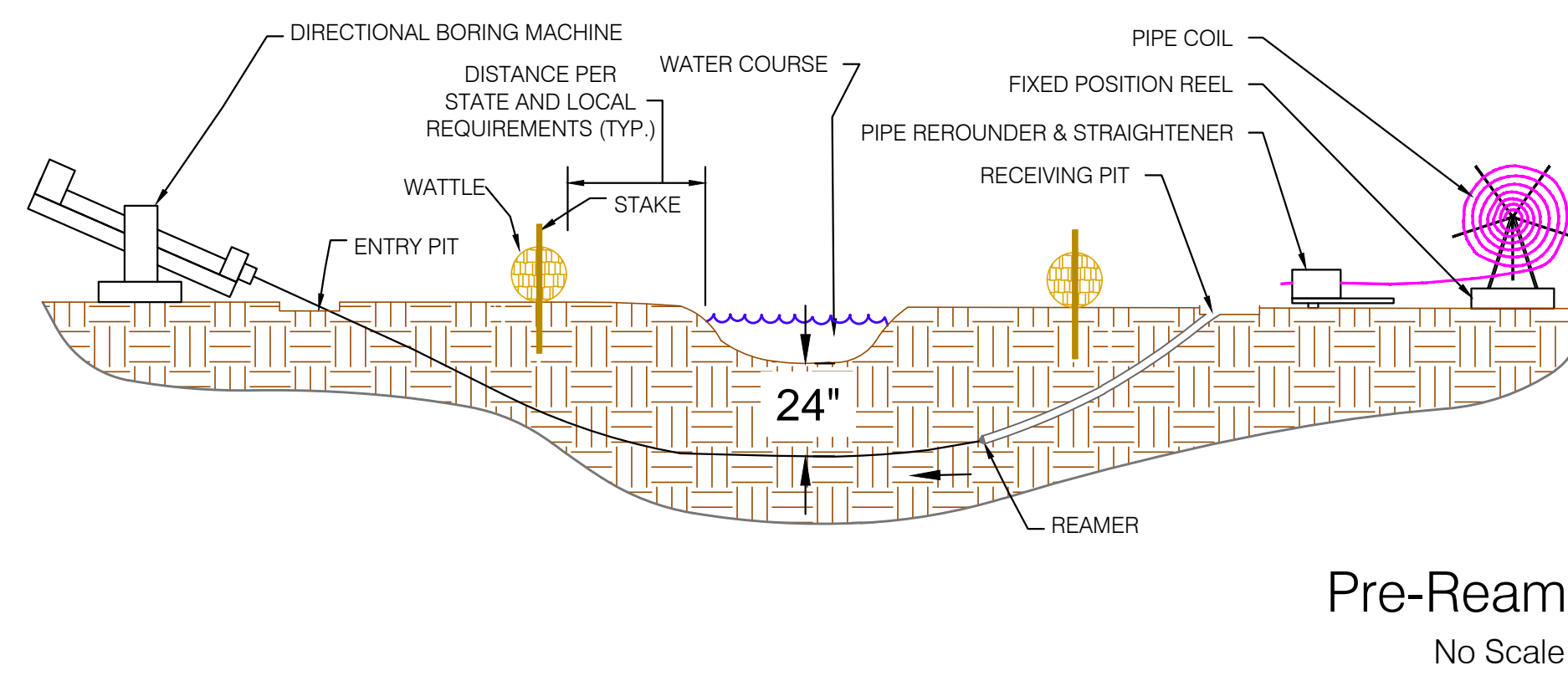
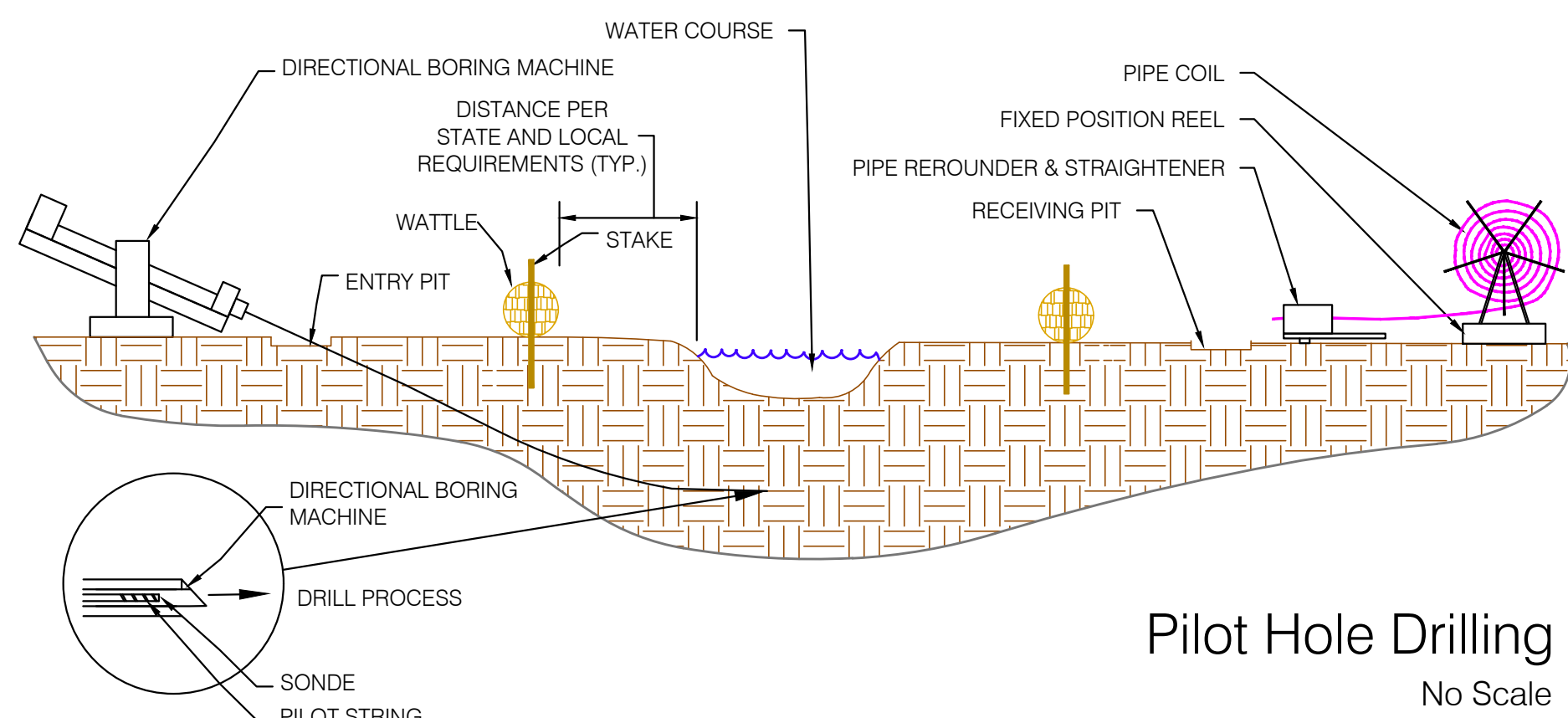


## Mainline and Wiring Detail

No Scale

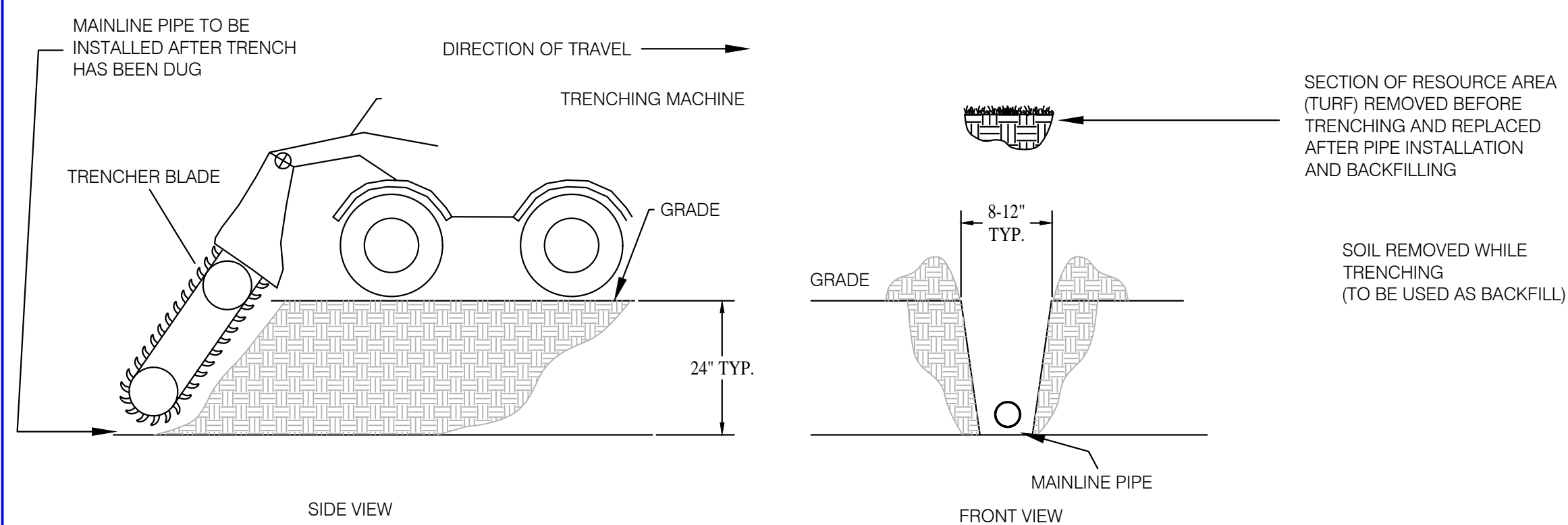


## Trench Component Details

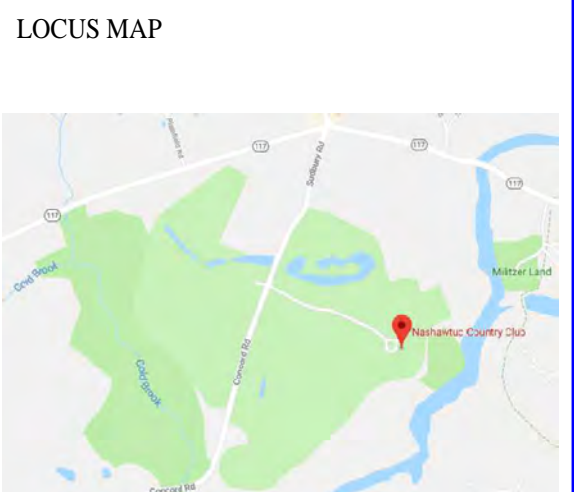
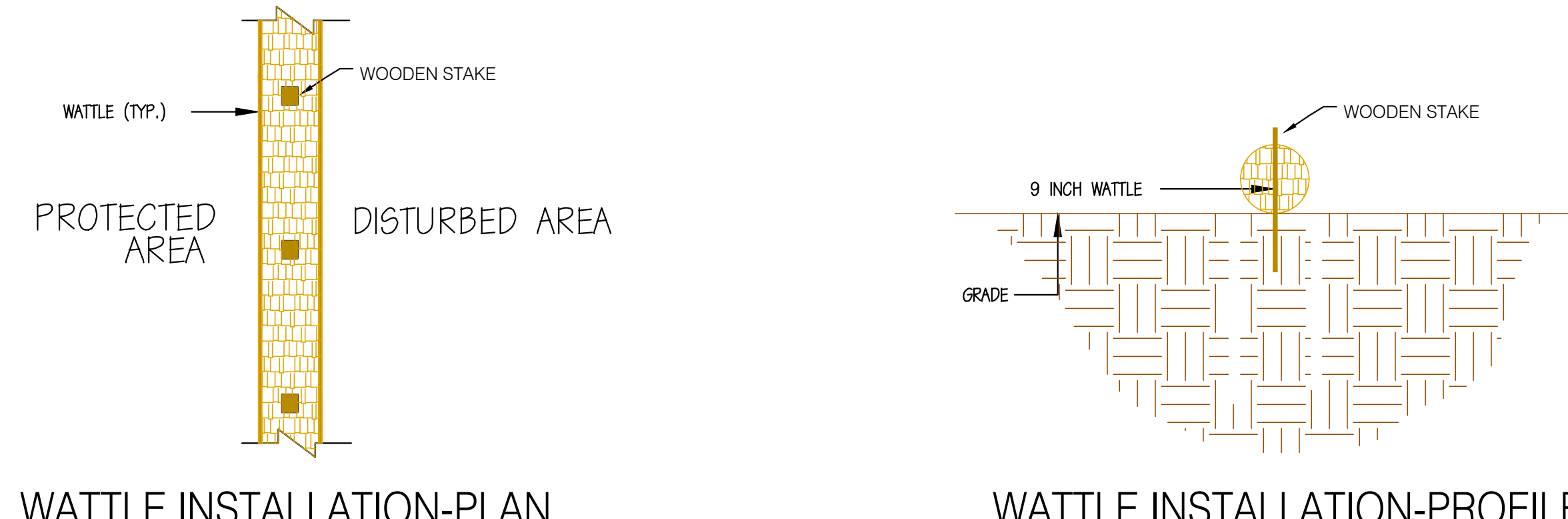


## Horizontal Directional Drilling Detail

## Mainline Installation Detail



## Wattle Installation Details



PROFESSIONAL ENGINEER'S STAMP



REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		
3		
4		

STATUS  
**CONSTRUCTION DRAWINGS FORMATTED FOR PERMITTING**

SCALE N.T.S.	SHEET NUMBER <b>IR-4.2</b>
DATE 5/30/2018	

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