

Benchmark EL. _____
 Description _____

 Beginning Sta. Description _____

Date _____
 10/1/13
 M. QUINONES
 Designed _____
 Drawn _____
 Checked _____
 Approved _____

**STREAM BANK STABILIZATION
 STREAM BARB**



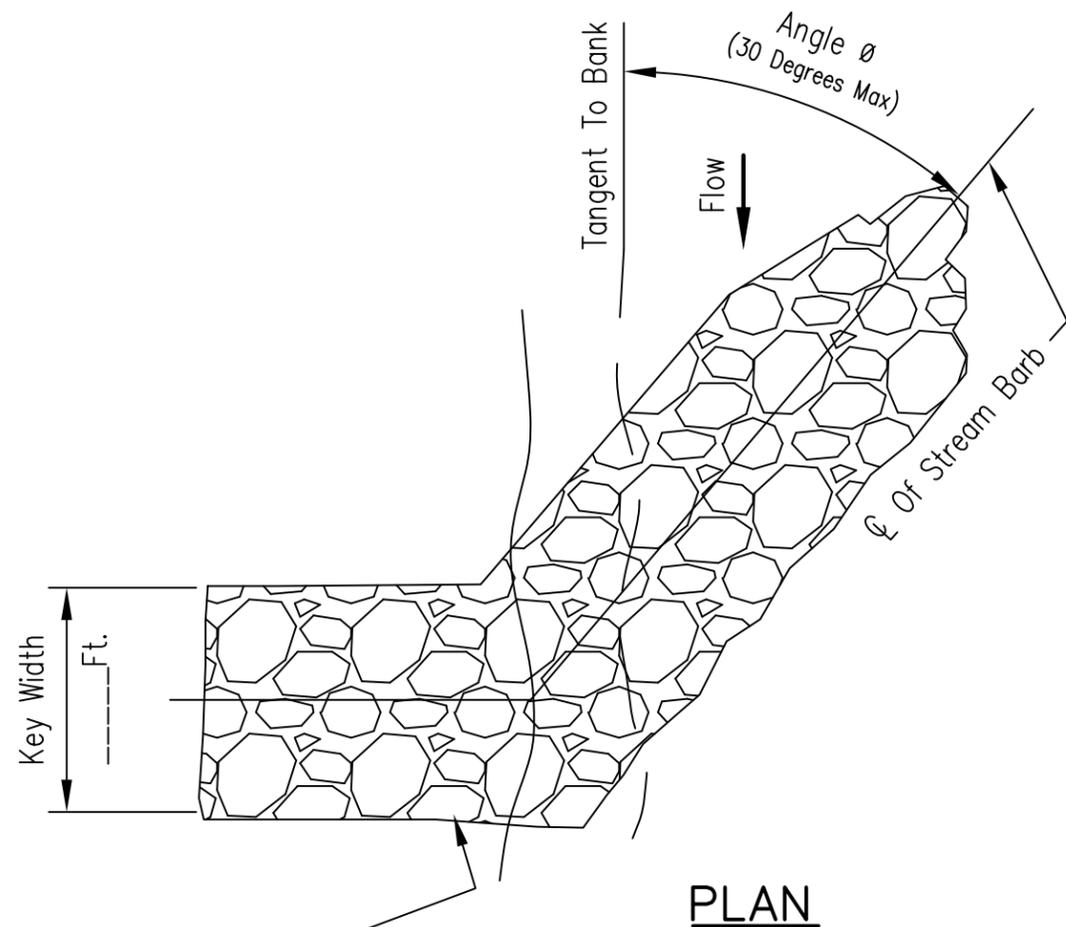
File No. IL-ENG-167
 Drawing No.

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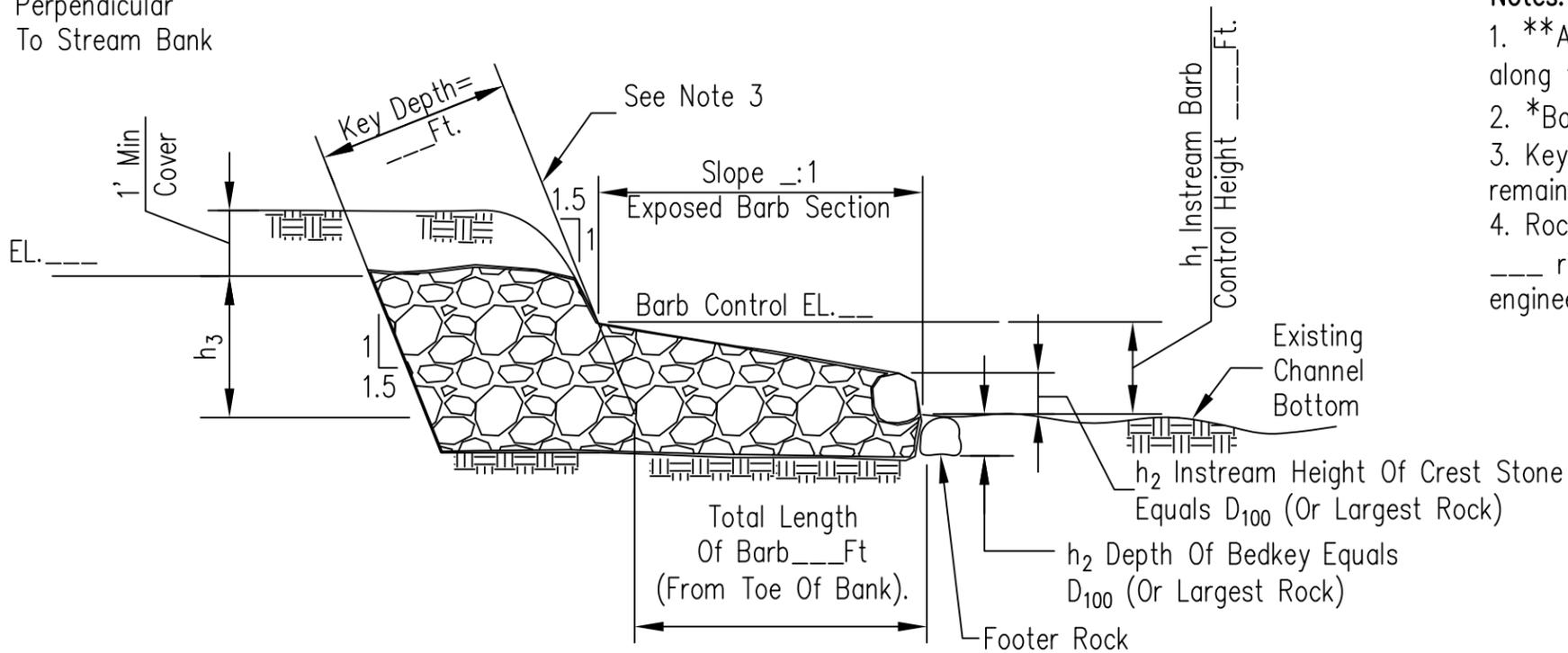
Landowner	Stream	Location
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NOT TO SCALE



PLAN

Key Installed Perpendicular To Stream Bank



TYPICAL PROFILE, CENTERLINE OF STREAM BARB

NOT TO SCALE

Barb	*Bank	Station	Total Length Of Barb	Barb Control Elevation	h ₁	h ₂	h ₃	Slope	Angle φ	** Azimuth	Tons
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
Total Stone											

Notes:

- **Azimuth is the compass reading from magnetic north along the centerline of weir.
- *Bank—left side or right side looking downstream.
- Key shall be constructed so that the vertical section remains embedded in the existing stream bank.
- Rock gradation shall meet IDOT requirements for GRAD. NO. ___ riprap, quality designation "A", or as designated by engineer.

GRAD. NO.	h ₂ (D ₁₀₀)	D ₅₀
4	1.3 ft	7.4 in
5	1.7 ft	9.8 in
6	2.0 ft	12.1 in
7	2.5 ft	14.6 in

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Landowner	Stream	Location
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