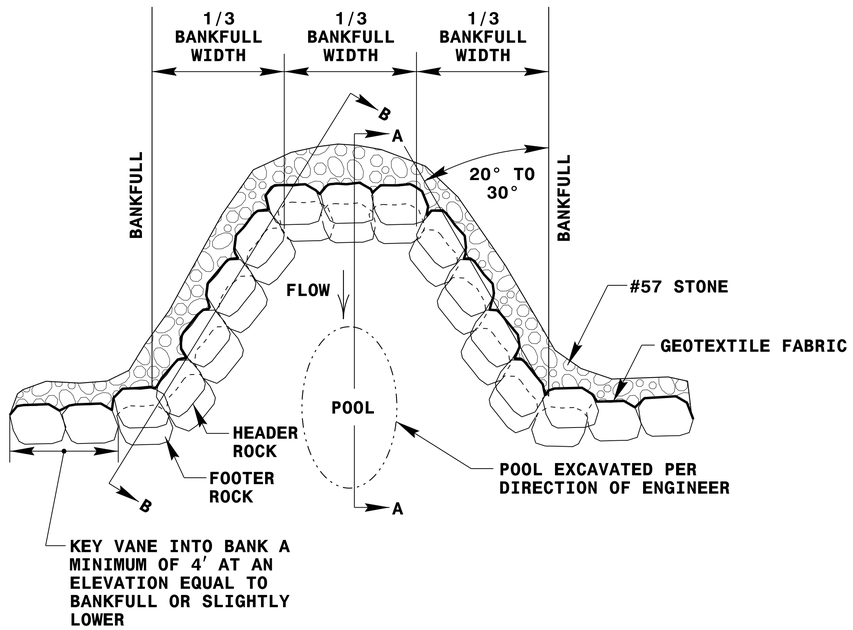
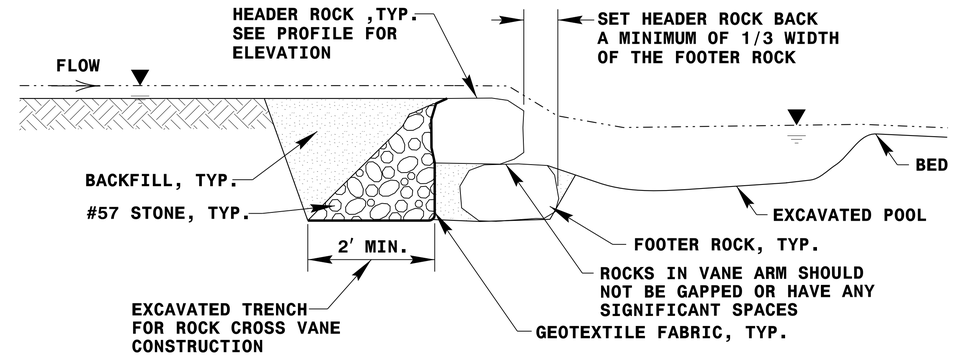
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| U-3615B | NS-6 |
| R/W SHEET NO. | |

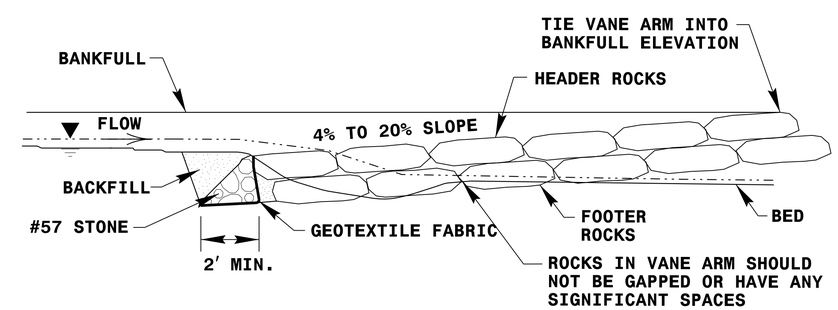
HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 012575 ENGINEER Paul F. Fisher
1/6/2015
DocuSigned by: Paul Fisher




## PLAN VIEW




## SECTION A-A




## SECTION B-B

| REACH | NO. STRUCTURES | BOULDER DIMENSIONS (FT) | | | ESTIMATED QUANTITIES | | | |
|---|---|---|---|---|---|---|---|---|
| | | HEIGHT | LENGTH | WIDTH | # BLDRS. | WT. BLDRS. | #57 STONE | GEOTEXTILE FABRIC |
| 1 | 4 | 1.5′ | 3′ | 2′ | 75 | 60 TONS | 30 TONS | 120 S.Y. |
| 2 | 5 | 1.5′ | 3′ | 2′ | 90 | 70 TONS | 40 TONS | 150 S.Y. |
| TOTAL | 9 | 1.5′ | 3′ | 2′ | 165 | 130 TONS | 70 TONS | 270 S.Y. |

NOTES:
1. DEEPEST PART OF POOL TO BE IN LINE WITH WHERE VANE ARM TIES INTO BANKFULL.
2. DO NOT EXCAVATE POOL TOO CLOSE TO FOOTER BOULDERS.
3. CLASS "A" STONE CAN BE USED TO REDUCE VOIDS BETWEEN HEADERS AND FOOTERS.
4. COMPACT BANKFULL TO EXTENT POSSIBLE OR AT THE DIRECTION OF THE ENGINEER.
5. POOL DEPTH SHOULD BE 2 TO 3 TIMES BANKFULL DEPTH.

# ROCK CROSS VANE DETAIL

NOT TO SCALE

NATURAL STREAM DESIGN
ROCK CROSS VANE DETAIL

5/14/99
06-JAN-2015 07:03
Drainage\Natural Stream Design 2014\ns-3_to_ns-10 2014.dgn
$$$$USERNAME$$$$