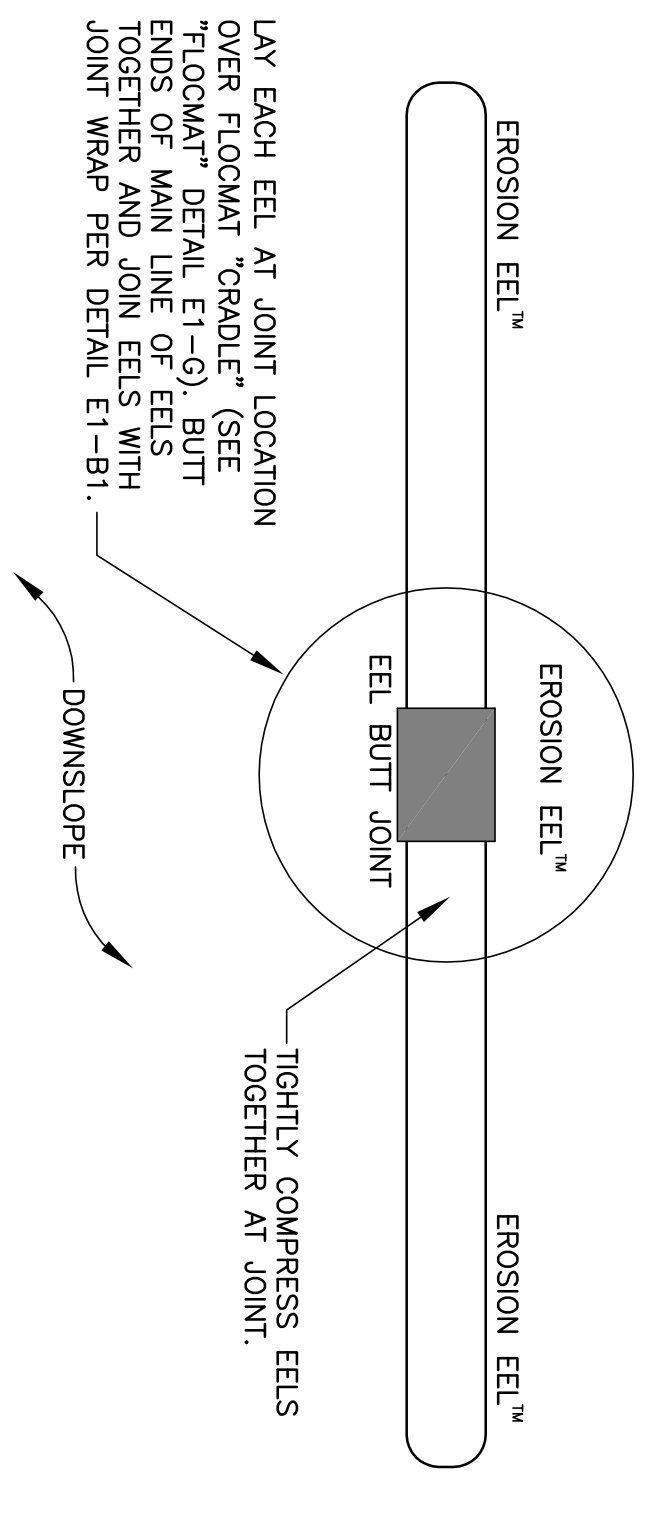


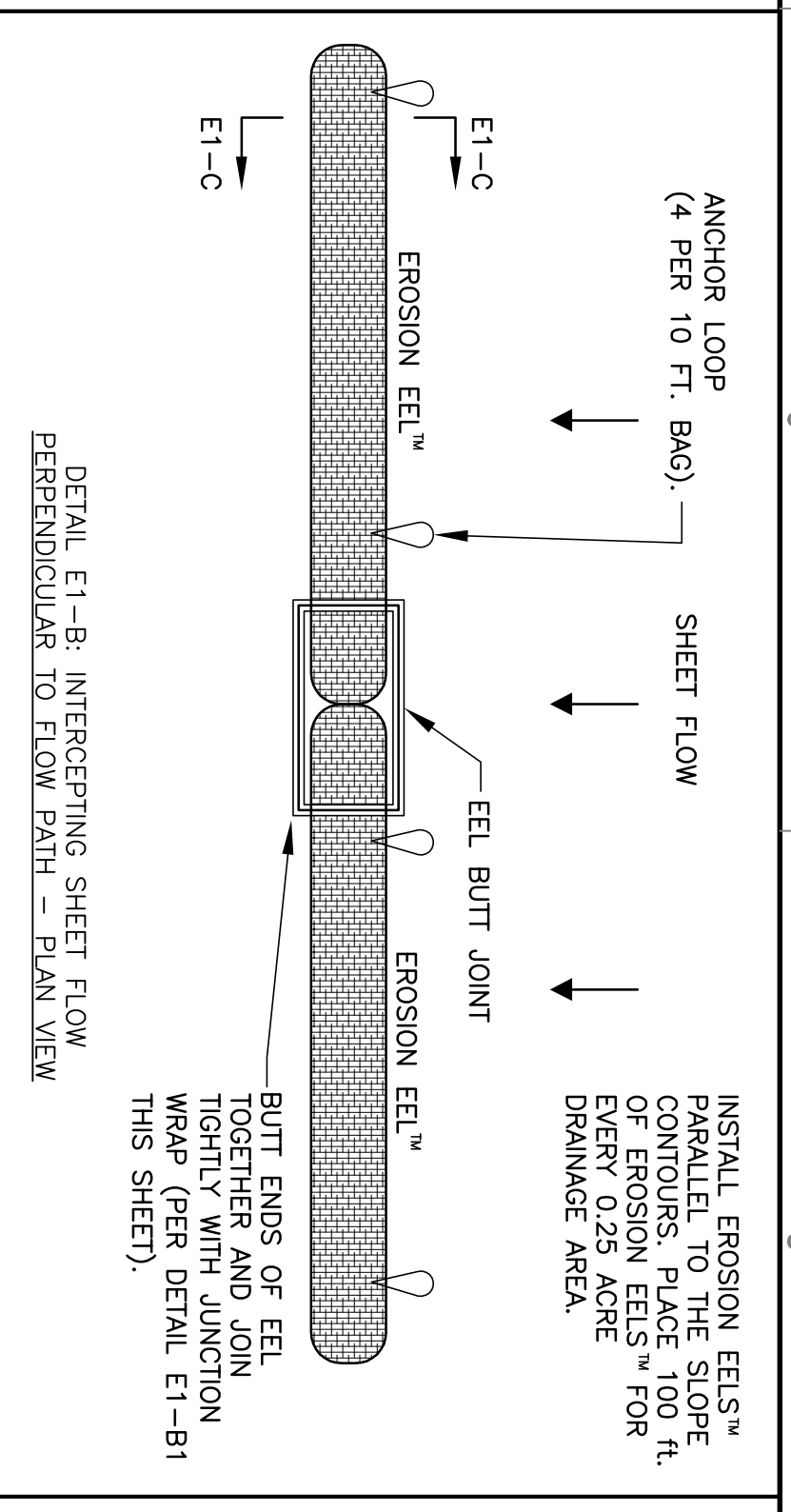
NOTE:
ALL EROSION EELS™ USED FOR PERIMETER CONTROL SHALL USE MIXTURE SPECIFICATIONS 1.1 AND 1.2.

DETAIL E1-A: EROSION EELS™
N.T.S.

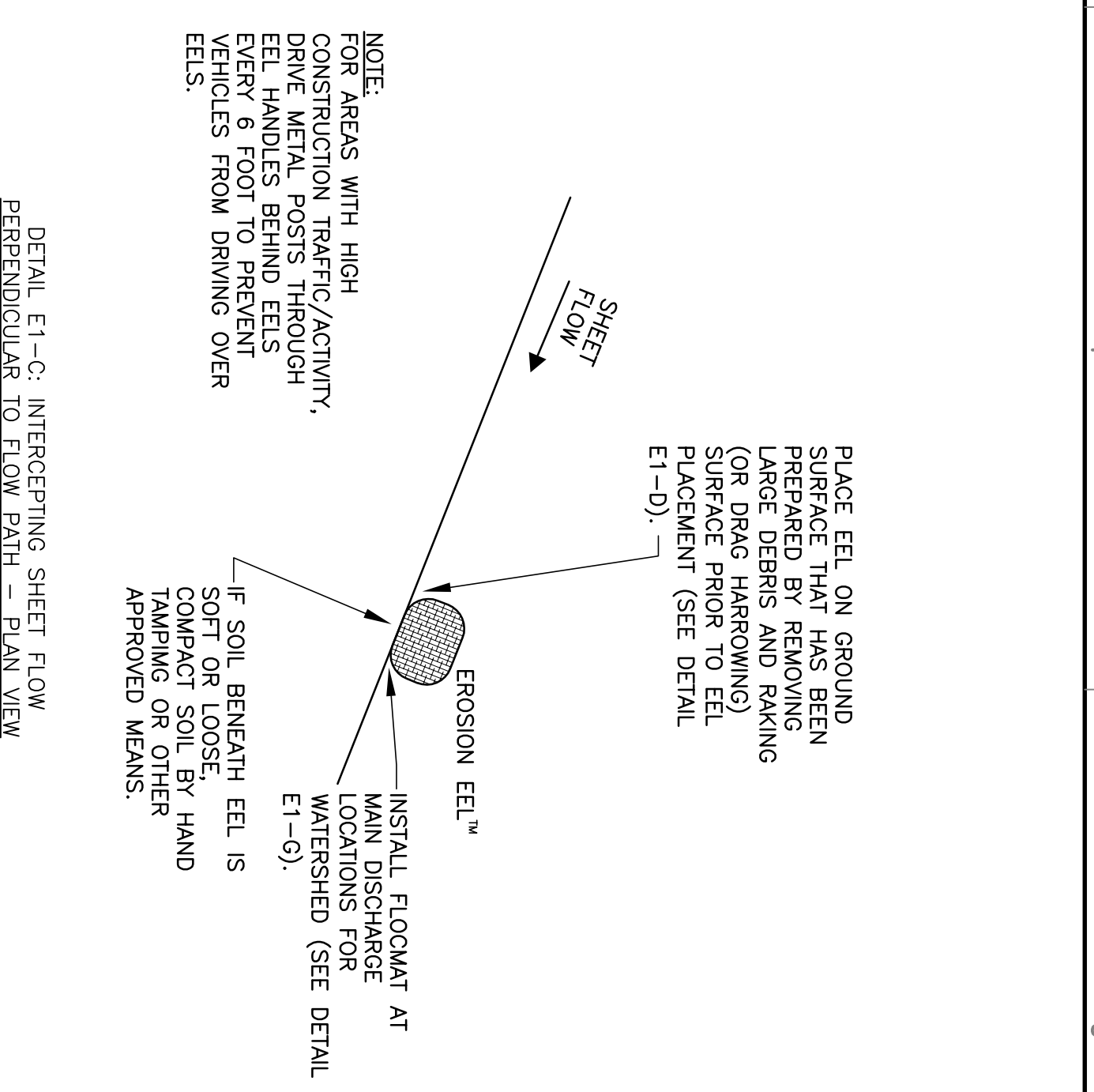
NOTE:
MINIMIZE THE PLACEMENT OF JOINTS AT THE INVERT OF THE MAIN DRAINAGE PATH FROM THE WATERSHED. POSITION JOINTS UPSLOPE OF THE MAIN INVERT AREA



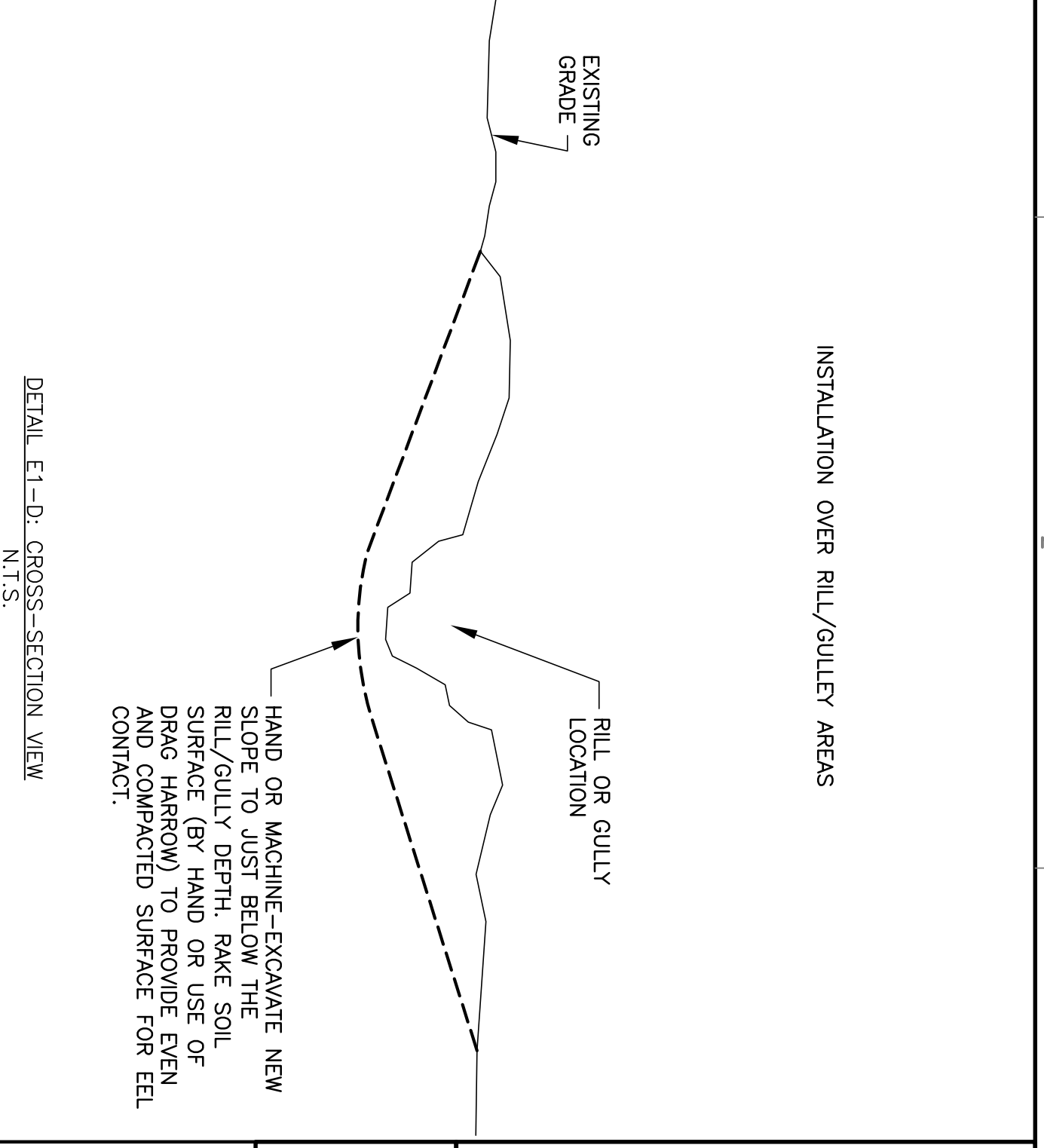
DETAIL E1-E: PLAN VIEW - OVERLAP/JOINT DETAIL NEAR DISCHARGE POINTS FROM WATERSHED
N.T.S.



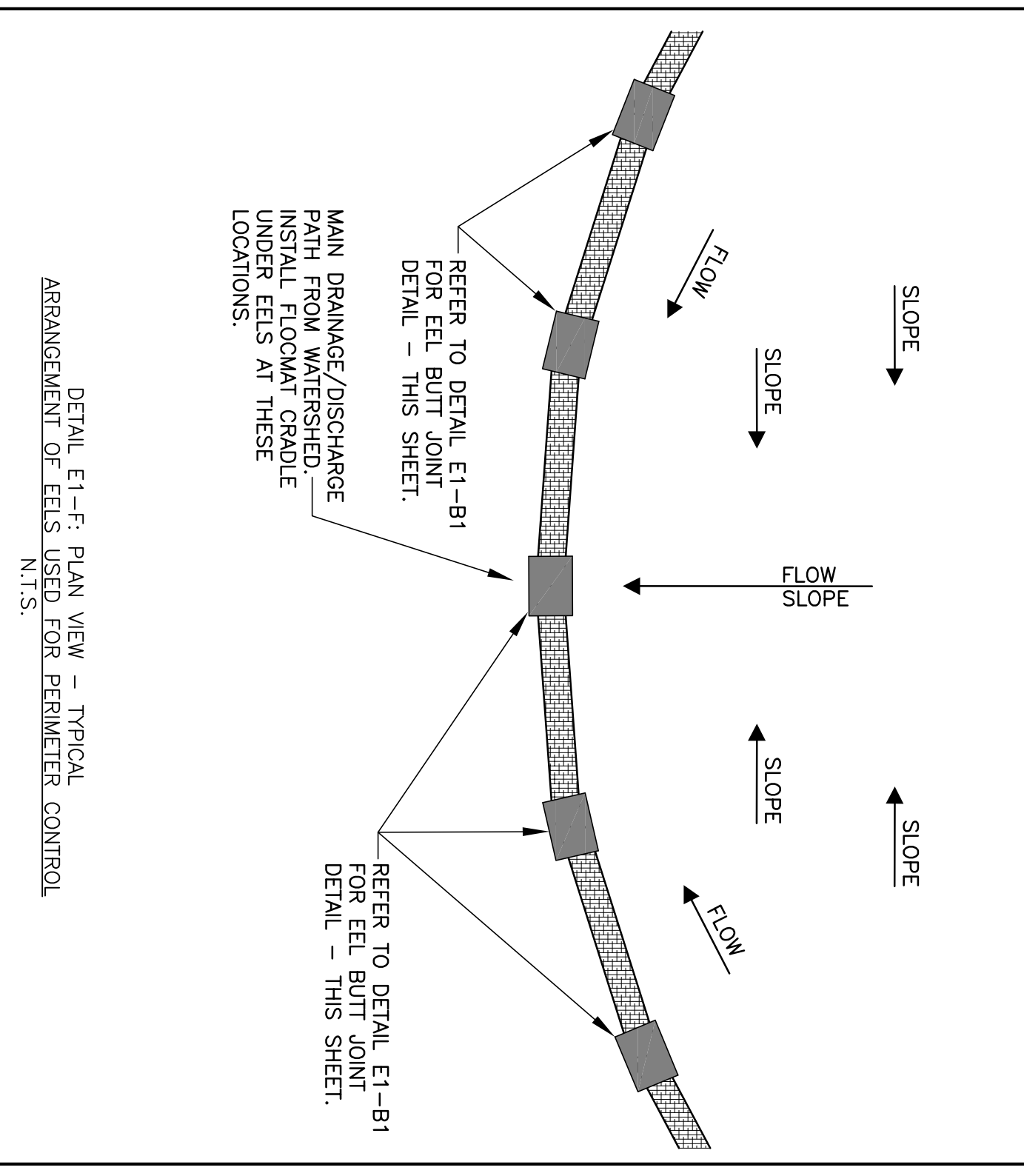
DETAIL E1-B: INTERCEPTING SHEET FLOW PERPENDICULAR TO FLOW PATH - PLAN VIEW
N.T.S.



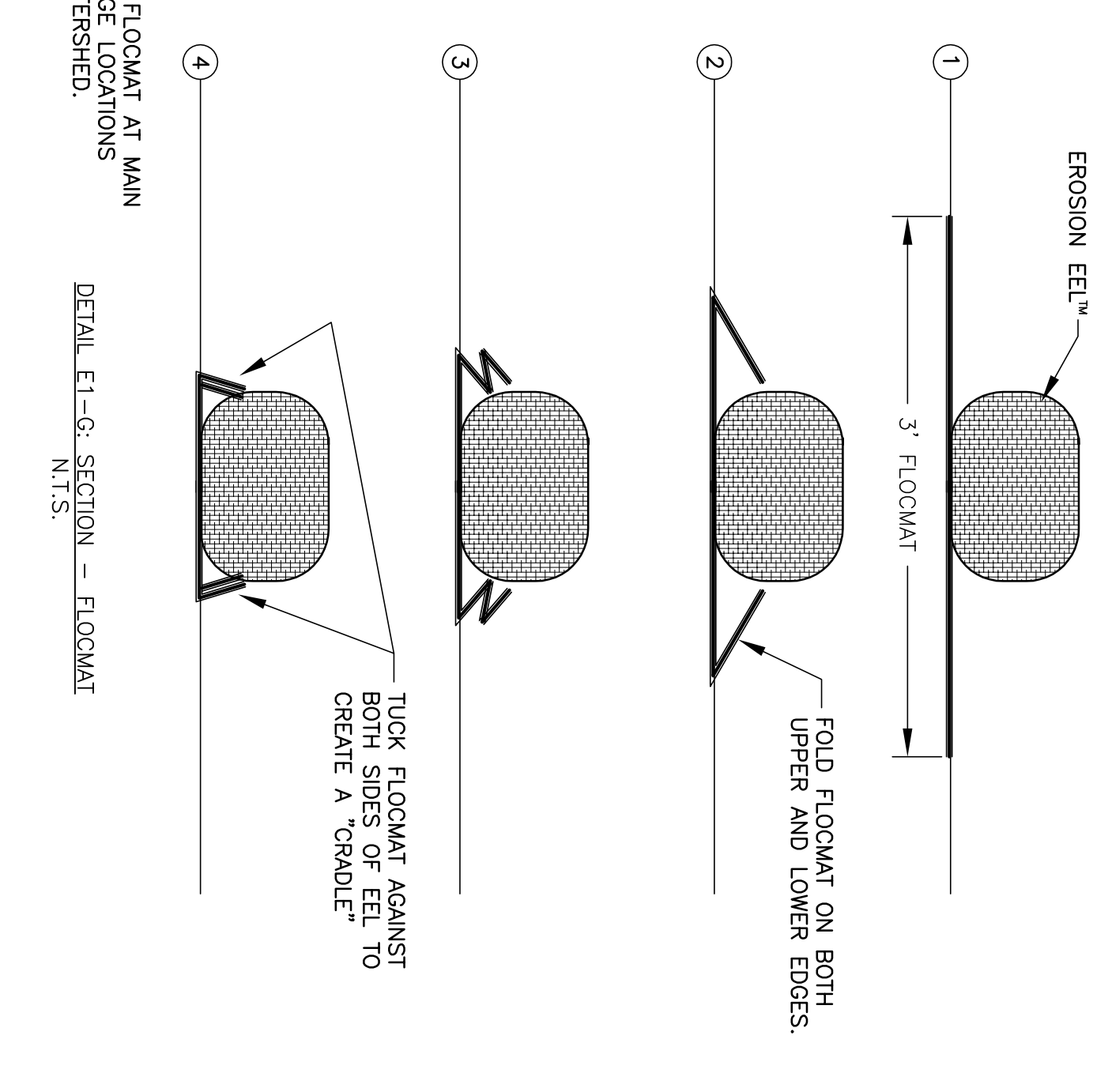
DETAIL E1-C: INTERCEPTING SHEET FLOW PERPENDICULAR TO FLOW PATH - PLAN VIEW
N.T.S.



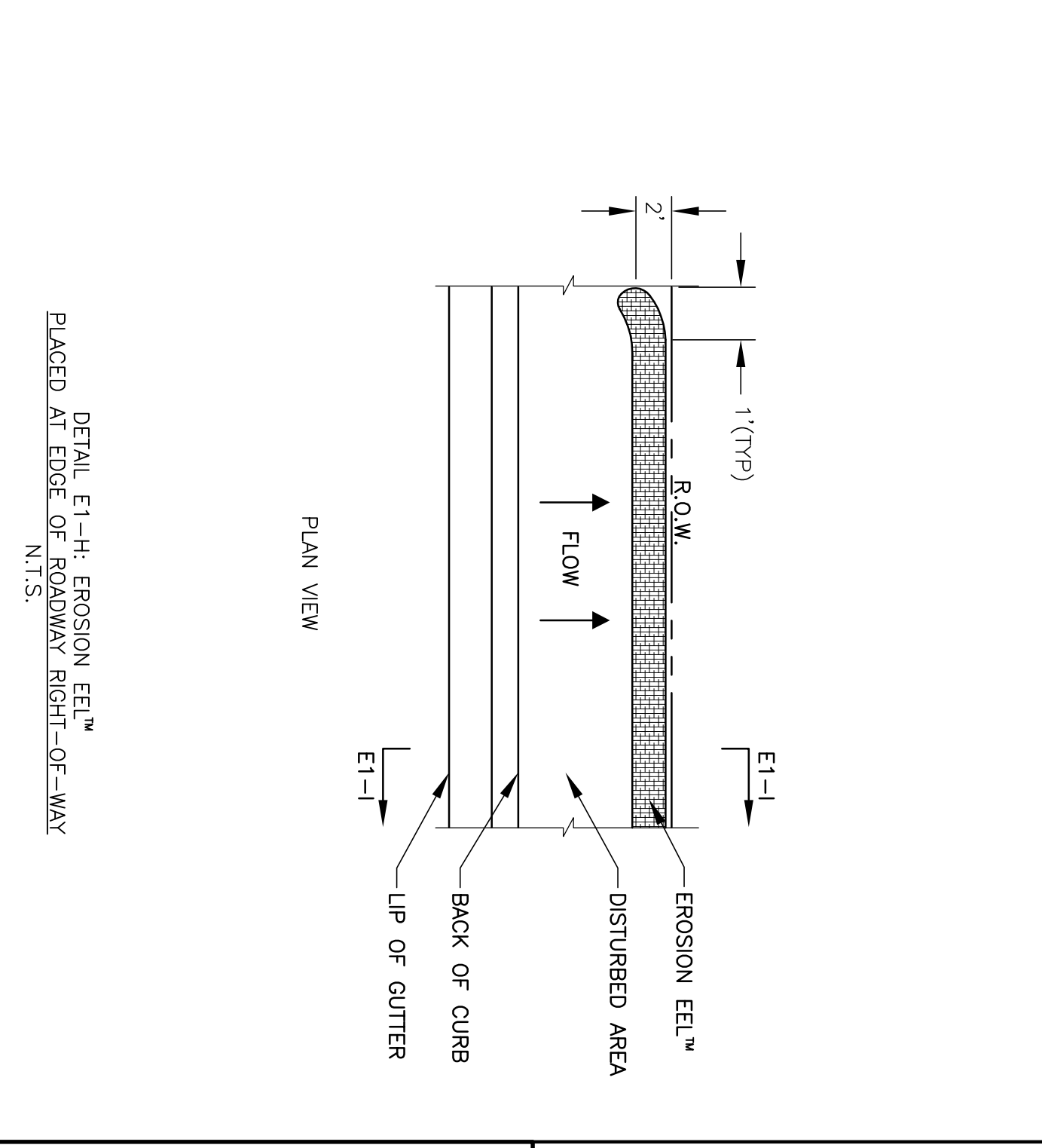
DETAIL E1-D: CROSS-SECTION VIEW
N.T.S.



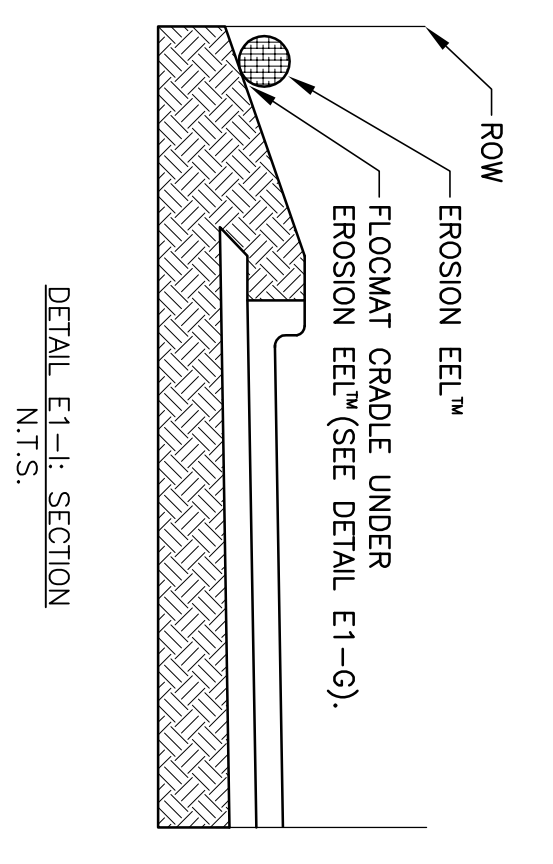
DETAIL E1-F: PLAN VIEW - TYPICAL ARRANGEMENT OF EELS USED FOR PERIMETER CONTROL
N.T.S.



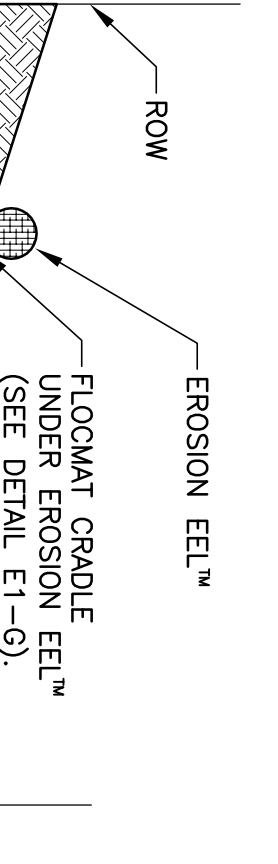
DETAIL E1-G: SECTION - FLOCMAT
N.T.S.



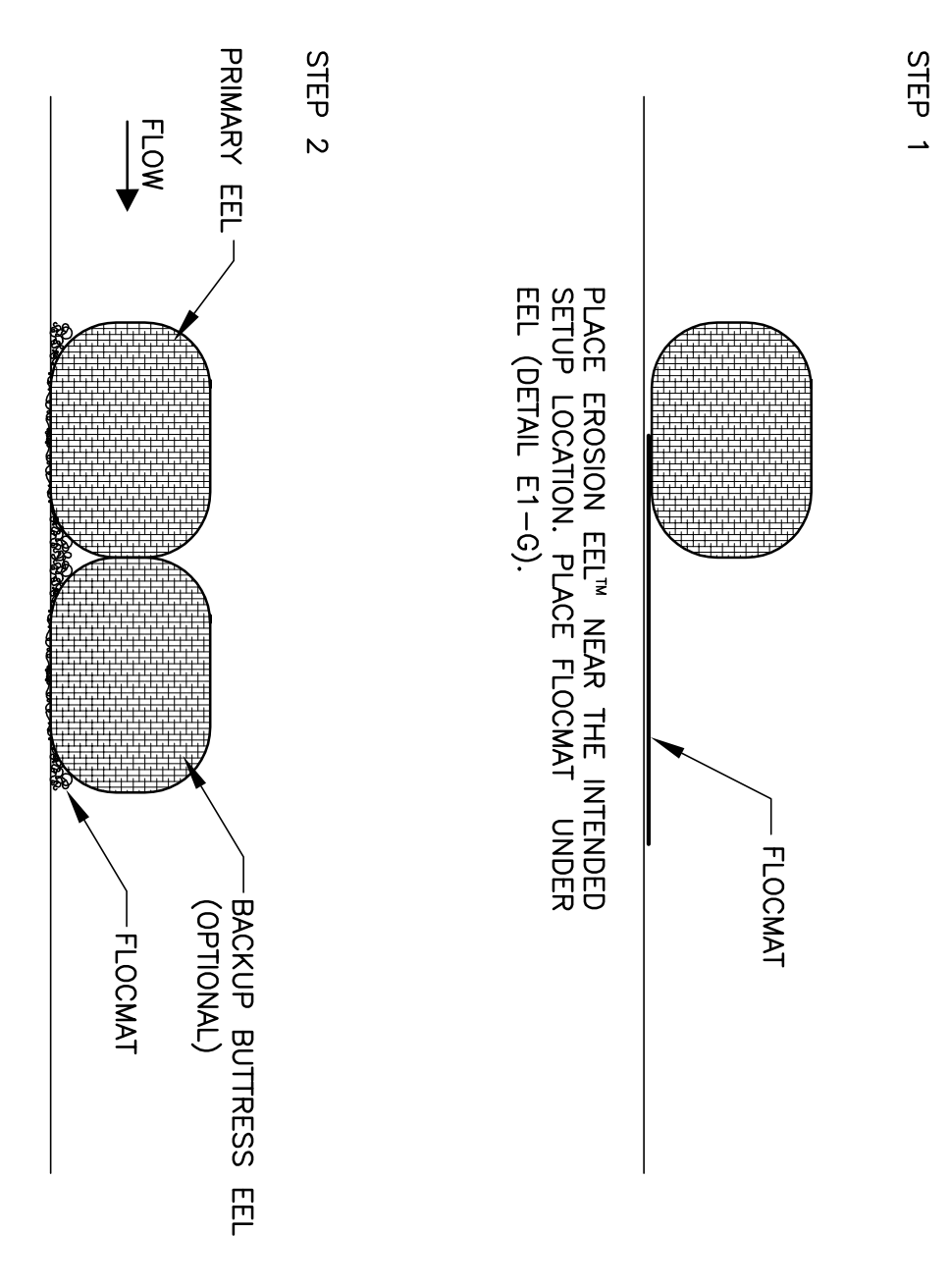
DETAIL E1-H: EROSION EEL™ PLACED AT EDGE OF ROADWAY RIGHT-OF-WAY
N.T.S.



DETAIL E1-I: SECTION
N.T.S.



DETAIL E1-J: SECTION
N.T.S.



DETAIL E1-K: STABILIZING PROCEDURE FOR EROSION EEL PLACED OVER HARD SURFACE (PAVED, ROCK, ETC.)
N.T.S.

SPACING RECOMMENDATIONS FOR THE EROSION EEL™ FOR PERIMETER CONTROLS AND INTERCEPTING SHEET FLOW ON SLOPES

SLOPE(%)	SINGLE EEL SPACING(ft)	*STACKED DUAL EEL SPACING(ft)
0.5	300	N/A
1	200	N/A
2	160	N/A
3	80	N/A
4	50	N/A
5	40	N/A
6	35	N/A
8	30	N/A
10	25	N/A
15	+12	N/A
20	+12	N/A
25	+10	N/A
30	+10	N/A
33	+10	N/A
50	N/A	+6

* DUAL STACK REFERS TO TWO EELS STACKED ATOP ONE ANOTHER AND STABILIZED WITH T-POSTS. SEE DETAIL E2-E ON SHEET E-2.

+ PLACE STACKS BEHIND EELS @ 24" C/C SPACING. SEE SHEET E-2 FOR STAKING DETAILS.

- GENERAL NOTES:
1. EROSION EELS™ USED IN PERIMETER CONTROL APPLICATIONS SHALL HAVE A SPECIFICATION MIXTURE 1.1 OR 1.2.
 2. EROSION EELS™ SHALL BE MANUFACTURED FROM A WOOD-CONTAINING POLYMER WITH AN INERT FILLER MATERIAL SUCH AS 100% SHERED RUBBER (MIXTURE SPECIFICATION 1.0), 50% SHERED RUBBER/50% ASHITO-CERTIFIED WOOD CHIPS (MIXTURE SPECIFICATION 1.1), OR 100% SHERED RUBBER (MIXTURE SPECIFICATION 1.2). A FILTER MIXTURE COMPRISED OF 1/2 SHERED RUBBER, 1/2 WOOD CHIPS, AND 1/2 RECYCLED SYNTHETIC FIBER SHALL BE PRODUCED FROM HARDWOOD TREES AND SHALL CONFORM TO ASTM CERTIFICATION SPECIFICATION 1P 2-03. THE SYNTHETIC FIBER SHALL BE PRODUCED FROM RECYCLED, MANUFACTURED WASTE, SUCH AS, BUT NOT LIMITED TO, PRE-CONSUMER SCRAP CARPET.
 3. LENGTHS OF EROSION EELS™ SHALL BE EITHER A NOMINAL +/-10 FT. OR +/- 4.5 FT. NOMINAL DIAMETER SHALL BE +/-0.5 INCHES.
 4. EROSION EELS™ CAN BE PLACED AT THE TOP, ON THE FACE, OR AT THE TOE OF SLOPES TO INTERCEPT RUNOFF, REDUCE FLOW VELOCITY, REDUCE THE RAINFALL'S SHEAR FORCE, AND PROVIDE REMOVAL OF SEDIMENT FROM THE WATERSHED.
 5. EROSION EELS™ SHOULD BE INSTALLED ALONG THE RAINFALL CONTOUR, AT THE TOE OF SLOPES, OR IN AREAS OF THE CONTOUR TO DIRECT FLOW AS DESIRED. EELS™ SHOULD BE PLACED AT THE TOE OF SLOPES TO INTERCEPT RUNOFF, REDUCE FLOW VELOCITY, REDUCE THE RAINFALL'S SHEAR FORCE, AND PROVIDE REMOVAL OF SEDIMENT FROM THE WATERSHED.
 6. NO TRENCHING IS REQUIRED FOR INSTALLATION OF EROSION EELS™.
 7. PREPARE BED FOR EEL INSTALLATION BY REMOVING ANY LARGE DEBRIS INCLUDING ROCKS, SOIL CLOS, AND WOODY VEGETATION. EROSION EELS™ CAN ALSO BE PLACED OVER PAVED SURFACES INCLUDING CONCRETE AND ASPHALT WITH NO SURFACE PREPARATION REQUIRED.
 8. MAKE BED AREA WITH A HAND RAKE OR BY DRAG HARROW.
 9. DO NOT PLACE EEL DIRECTLY OVER BILLS AND GULLIES UNLESS THEY HAVE BEEN HAND-SCAVENED AND BAKED TO PROVIDE A LEVEL BEDDING SURFACE. ALL SURFACES SHALL BE UNIFORMLY COMPACTED FOR MAXIMUM SETTING OF EELS IN PLACE.
 10. FOR LOCATIONS WHERE EELS WILL BE PLACED IN CONCENTRATED FLOWS (SUCH AS CHECK DAMS, INLET PROTECTION) AND FOR PERIMETER CONTROLS AT PRIMARY DISCHARGE LOCATIONS, BED THE EELS IN A FLOCMAT GRADE PER THE DETAILED DRAWINGS.
 11. FOR OTHER APPLICATIONS, THE MAXIMUM DRAINAGE AREA SHALL BE 10 ACRES.
 12. IF WIDER THAN ONE EROSION EEL™ IS PLACED IN A ROW, THE EELS SHALL BE OVERLAPPED A MINIMUM OF 12 INCHES TO PROVIDE FLOW AND MANUFACTURER-APPROVED MECHANIZED MEANS.
 13. WHEN USED IN DITCHES AS A CHECK DAM, EROSION EELS™ SHALL BE INSTALLED PER MANUFACTURER'S DETAILS.
 14. FOR CHECK DAM APPLICATIONS, EROSION EELS™ SHALL BE PLACED PERPENDICULAR TO THE FLOW OF THE WATER. EROSION EELS™ SHALL CONTINUE UP THE SIDES SLOPES A MINIMUM OF 3 FEET ABOVE THE DESIGN FLOW DEPTH.
 15. EROSION EELS™ SHALL REMAIN IN PLACE UNTIL FULLY ESTABLISHED VEGETATION HAS COMPLETELY DEVELOPED OR UNTIL THE STORAGE CAPACITY/FUNCTIONAL LIFE OF THE EEL HAS BEEN EXHAUSTED (REQUIRING REPLACEMENT WITH NEW EELS).
 16. ANCHORING POSTS FOR CHECK DAM APPLICATIONS SHALL HAVE A MINIMUM WEIGHT OF 1.25 LBS/FT STEEL T-POSTS (6 TO 7 FT LENGTH) APPLICATION. POSTS SHOULD BE EQUIPPED WITH A METAL ANCHOR PLATE. INSTALL PER DETAILS ON THIS SHEET.
 17. PLACE T-POSTS THROUGH HANDLE OF BAGS. DO NOT DRIVE POSTS THROUGH EROSION EELS™ T-POSTS ARE TO BE EMBEDDED A MINIMUM OF 2 FT INTO GROUND.

NOTE: DRAWINGS SUBJECT TO REVISIONS AT DISCRETION OF MANUFACTURER

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PERIMETER CONTROL AND SHEET (INTER-RILL) FLOW INTERCEPTION FOR THE EROSION EEL™

CONSTRUCTION SERVICES
ECO
1930 Aldine Western Rd
Houston, Texas 77038
832.456.1000
www.ecosvs.com

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