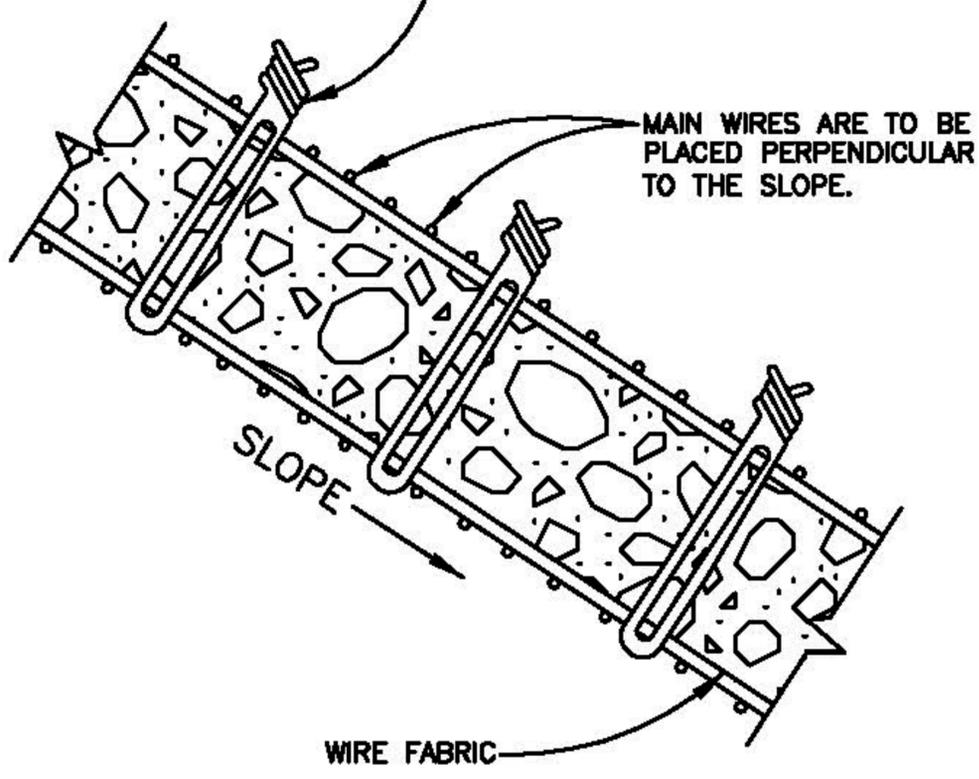


NO. 9 GAGE GALVANIZED TIE WIRES AT APPROX. 2' CENTERS LONGITUDINALLY & TRANSVERSELY.



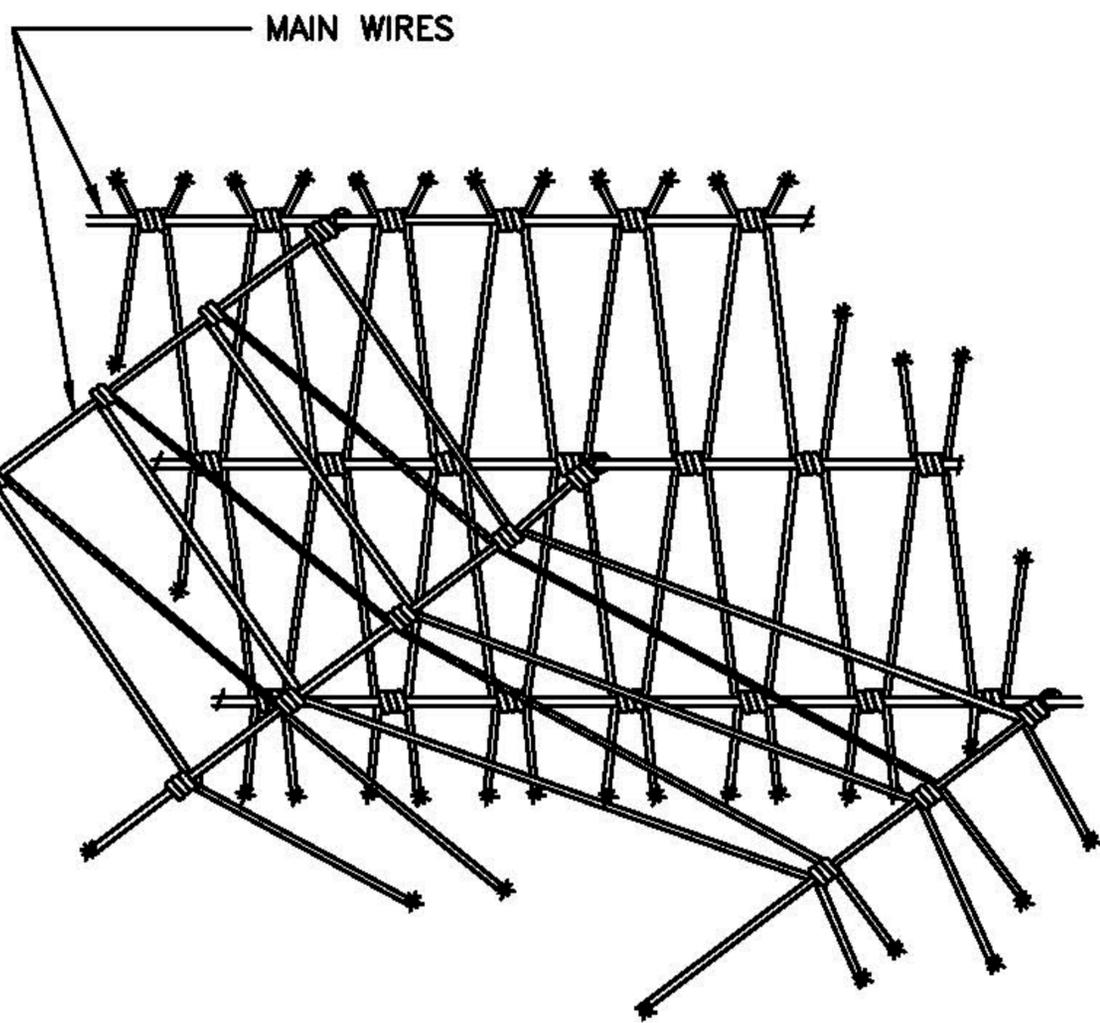
SLOPE	RIPRAP CU. YDS
1:1	$\frac{T}{27} (A + B + 1.414V)$
1 1/2:1	$\frac{T}{27} (A + B + 1.803V)$
1 3/4:1	$\frac{T}{27} (A + B + 2.016V)$
2:1	$\frac{T}{27} (A + B + 2.236V)$
3:1	$\frac{T}{27} (A + B + 3.162V)$
4:1	$\frac{T}{27} (A + B + 4.123V)$

CONSTRUCTION STANDARDS

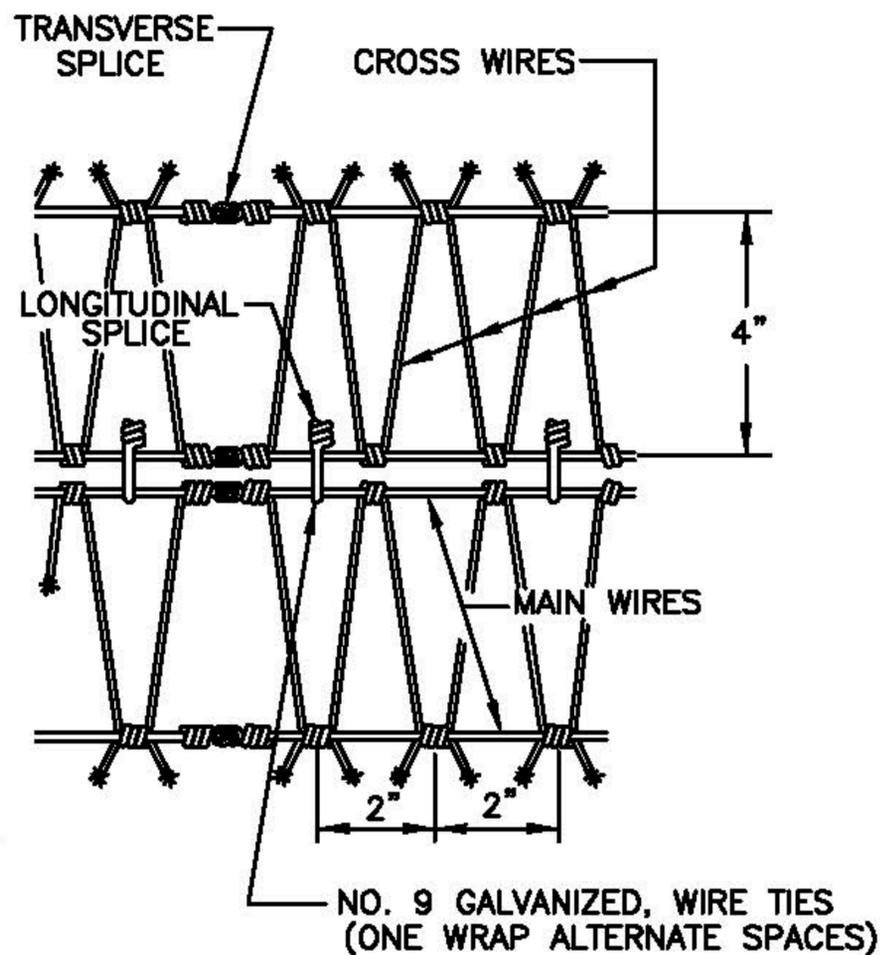
WIRE ENCLOSED RIP RAP DETAIL

STANDARD No. D-512 SHEET 1 OF 4

CITY OF AZTEC
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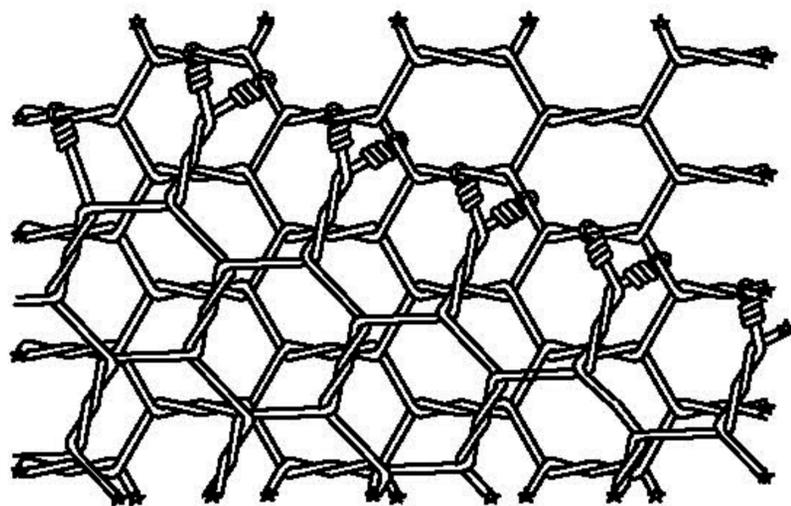


DETAIL OF SPLICE AT
SKEWED INTERSECTIONS

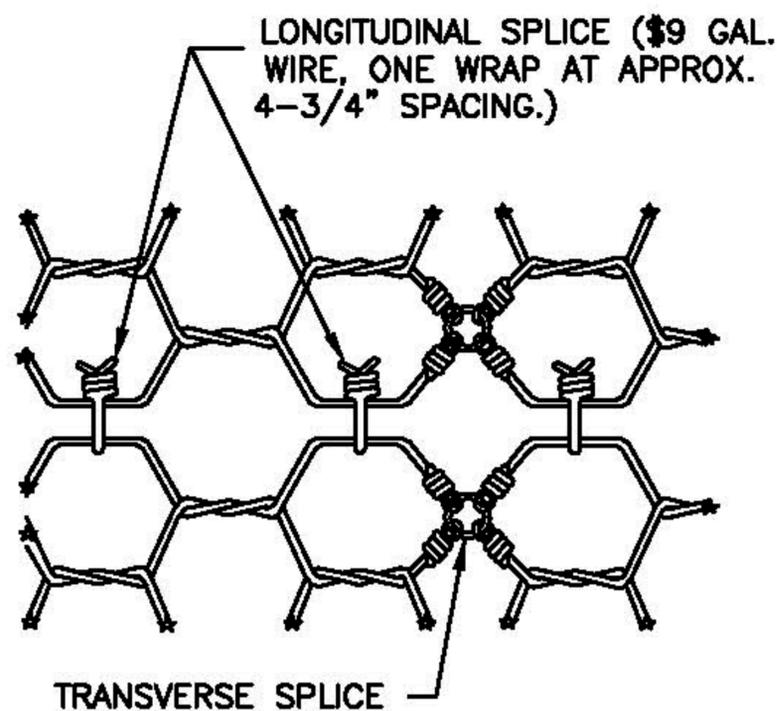


DETAIL OF WIRE FABRIC
AND NORMAL SPLICE

"V" MESH



SKEWED INTERSECTION



NORMAL INTERSECTION

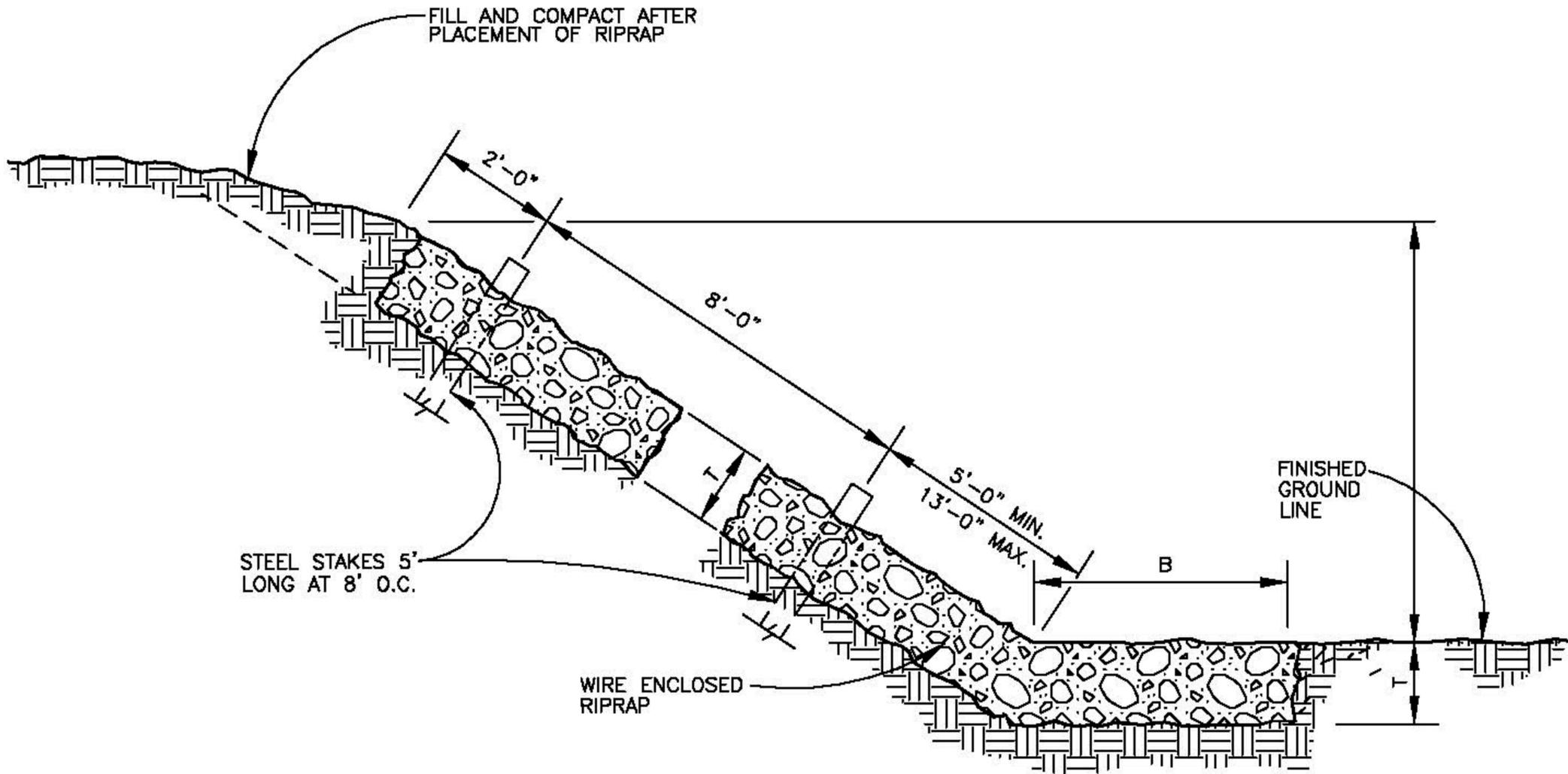
HEXAGONAL MESH

CONSTRUCTION
STANDARDS

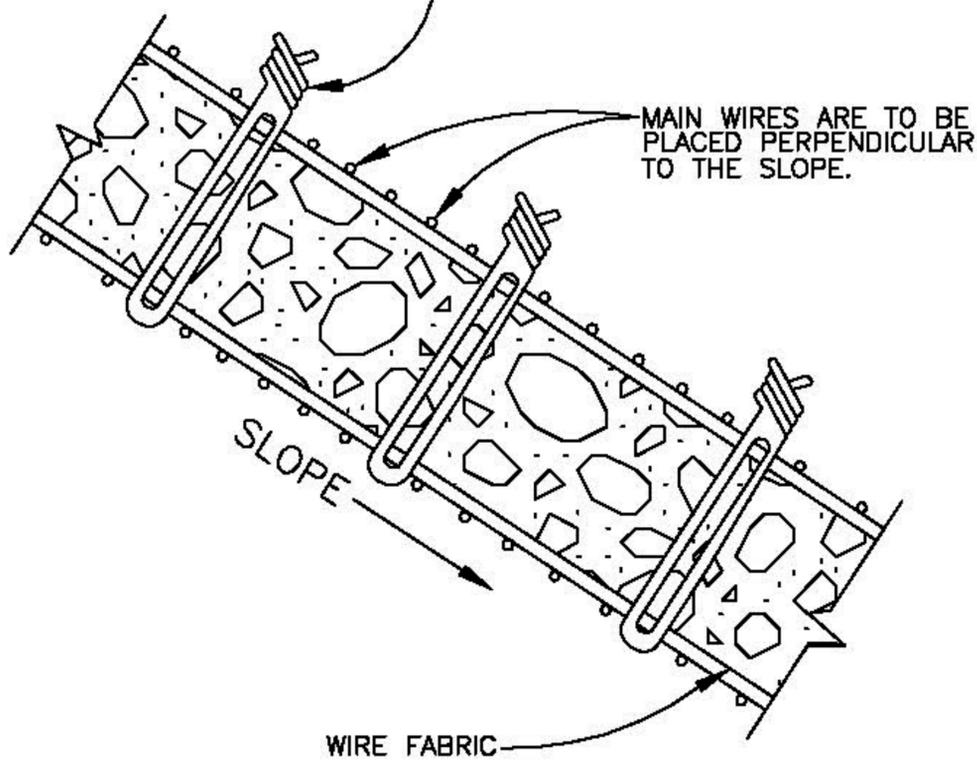
WIRE ENCLOSED RIP RAP
DETAIL

STANDARD No. D-512 SHEET 3 OF 4

CITY OF
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NO. 9 GAGE GALVANIZED TIE WIRES AT APPROX. 2' CENTERS LONGITUDINALLY & TRANSVERSELY.



SLOPE	RIPRAP CU. YDS
1 1/2:1	$\frac{I}{27} (A + B + 1.414V)$
1 3/4:1	$\frac{I}{27} (A + B + 1.803V)$
2:1	$\frac{I}{27} (A + B + 2.016V)$
3:1	$\frac{I}{27} (A + B + 2.236V)$
4:1	$\frac{I}{27} (A + B + 3.162V)$

SEE SHEET 4 FOR GEN. NOTE.

CONSTRUCTION STANDARDS

WIRE ENCLOSED RIP RAP DETAIL

STANDARD No. D-512 SHEET 2 OF 4

CITY OF AZTEC
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GENERAL NOTES

1. WIRE FABRIC IS TO BE GALVANIZED "V" MESH OF THE FOLLOWING CONSTRUCTION:
MAIN WIRES: TWO NO. 12-1/2 GAUGE STRANDED WIRES SPACED AT 4".
CROSS WIRES: SINGLE NO. 12-1/2 GAUGE WIRE SPACED AT 2" WITH NOT LESS THAN TWO TURNS AROUND THE MAIN WIRES.
APPROXIMATE WEIGHT: 48 LBS PER 100 SQUARE FEET.
2. STEEL STAKES MAY BE RAILROAD RAILS WEIGHING NOT LESS THAN 30 LBS PER YARD, 4" O.D. STANDARD STRENGTH GALVANIZED STEEL PIPE OR 4 X 4 X 3/8 STEEL ANGLES. STEEL STAKES SHALL PROJECT 6" ABOVE TOP OF RIPRAP. STEEL STAKES ARE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE WORK AND NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
3. IF LENGTH OF SLOPE IS 15 FEET OR LESS ONLY ONE ROW OF STEEL STAKES, 2 FEET FROM THE TOP EDGE OF THE RIPRAP, WILL BE REQUIRED UNLESS OTHERWISE NOTED ON PLANS.
4. FOR DIMENSIONS A, B, V & T. SEE BRIDGE OR ROADWAY PLANS.
5. T = 12" UNLESS OTHERWISE SHOWN ON PLANS.
T = 18" AT BRIDGES.
6. AS AN ALTERNATE, WIRE FABRIC MAY BE GALVANIZED STEEL WIRE MEETING THE REQUIREMENTS FOR CLASS 3, FINISH 5, MEDIUM TENSILE STRENGTH COATED WIRE AS SET FORTH IN FEDERAL SPECIFICATIONS QQ-W-461. THE WIRES SHALL BE CONTINUOUS, HAVE A DIAMETER OF NOT LESS THAN 0.118 INCH AND SHALL BE TRIPLE TWISTED TO FORM A UNIFORM HEXAGONAL MESH PATTERN WITH A MAXIMUM OPENING SIZE OF 3" X 4 3/4".

CONSTRUCTION
STANDARDS

WIRE ENCLOSED RIP RAP
DETAIL

STANDARD No. D-512 SHEET 4 OF 4

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