

TYPICAL DITCH SECTION

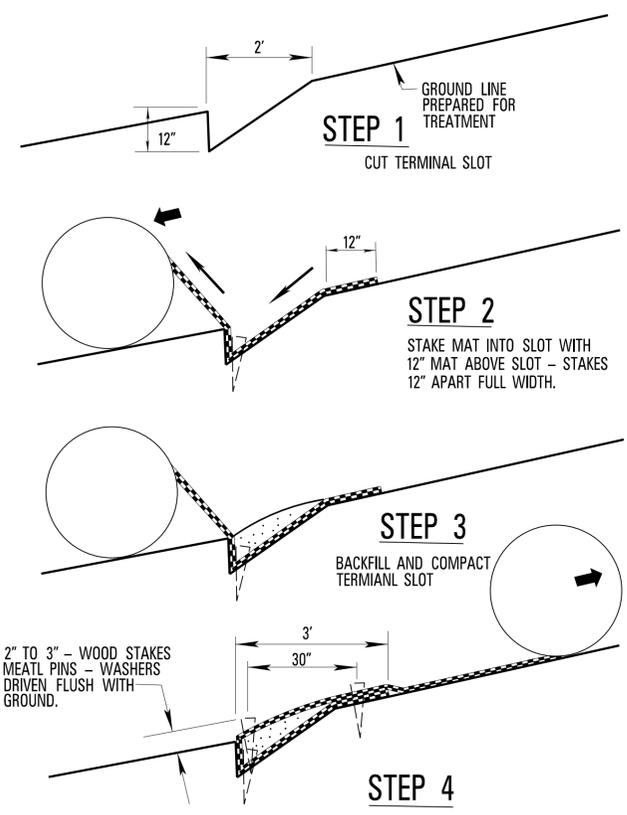
MAT PLACEMENT TABLE

| DIMENSIONS OF MAT PLACEMENT IN DITCH (INDIVIDUAL 38" WIDTH ROLLS) |   |           |           |           |              |
|---|---|-----------|-----------|-----------|--------------|
| ELEMENTS OF MAT PLACEMENT   | SIDE SLOPE COMBINATIONS FORESLOPE - BACKSLOPE |           |           |           |              |
|   | 3:1 & 3:1                                     | 4:1 & 3:1 | 6:1 & 3:1 | 6:1 & 4:1 | 6:1 & 6:1    |
| (A) UP BACKSLOPE TO DITCH BOTTOM                                  | 1' - 7"                                       | 1' - 1"   | 0' - 4"   | 0' - 10"  | 0' - 1 1/2"  |
| (B) BACKSLOPE   | 4' - 0"                                       | 3' - 6"   | 2' - 9"   | 3' - 3"   | 3' - 5 1/2"  |
| (C) FORESLOPE   | 4' - 0"                                       | 4' - 6"   | 5' - 3"   | 4' - 9"   | 5' - 5 1/2"  |
| (D) DEPTH OF COVERAGE   | 1' - 3"                                       | 1' - 1"   | 0' - 10"  | 0' - 9"   | 0' - 11"     |
| (E) WIDTH OF COVERAGE   | 7' - 7"                                       | 7' - 8"   | 7' - 9"   | 7' - 10"  | 10' - 9"     |
| (F) MINIMUM NUMBER OF STAND WIDTH STRIPES                         | 3   | 3         | 3         | 3         | 4            |
| (B) + (C) TOTAL COVERAGE ON SLOPES                                | 8' - 0"                                       | 8' - 0"   | 8' - 0"   | 8' - 0"   | 10' - 11"    |
| SQ. YDS. /LIN. FT.  | 0.89  | 0.89      | 0.89      | 0.89      | 1.22         |
| MULTI-WIDTH WELDED SEAM MAT (WELDED 38" WIDTH STRIPS)             |   |           |           |           |              |
| (B) + (C) TOTAL COVERAGE MULTI-WIDTH ROLLS                        | 8' - 3"                                       | 8' - 3"   | 8' - 3"   | 8' - 3"   | 11' - 3 1/2" |
| SQ. YDS. /LIN. FT.  | 0.92  | 0.92      | 0.92      | 0.92      | 1.25         |

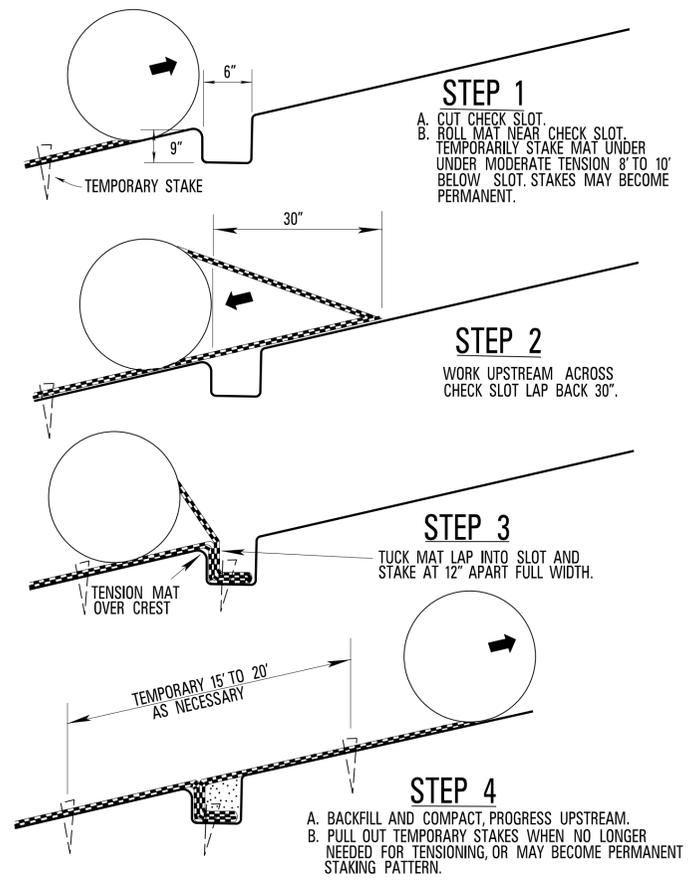
GENERAL INSTRUCTIONS

- BEGIN INSTALLATION AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
- FIRST ROLL IS ALIGNED FROM DITCH BOTTOM UP BACKSLOPE (SEE MAT PLACEMENT TABLE) AND UNDER MODERATE TENSION TEMPORARILY STAKED TO MAINTAIN PROPER DESIGN COVERAGE ALIGNMENT.
- WORKING OUTWARD FROM DITCH BOTTOM TO EDGES, SUBSEQUENT ADJACENT ROLLS FOLLOW IN STAGGERED SEQUENCE UNDER MODERATE TENSION.
- OVERLAP MAT SEAMS 3 INCHES AND STAKE AT 3 FOOT INTERVALS WITH STAKES ALIGNED LONGITUDINALLY TO DITCH AND DIAGONAL EDGE OF STAKE TO THE UPSTREAM. OUTER EDGES (PERIMETER) OF MAT ARE STAKED SIMILARLY.
- STAKE THE CENTER OF EACH MAT STRIP AND WHEN REQUIRED ALONG THE DITCH BOTTOM AT 6 - FOOT INTERVALS STAGGERED BETWEEN THE 3 - FOOT SPACING OF OVERLAP AND OUTER EDGE STAKES WITH THE BROADSIDE TO THE FLOW DIRECTION AND DIAGONAL EDGE TOWARD THE UPSLOPE.
- USE 3 - FOOT OVERLAP AT END OF MAT ROLL SPLICES WITH UPGRADE STRIP ON TOP, STAKED IN TWO ROWS 30 INCHES APART, AND STAKES 18 INCHES APART ACROSS FULL WIDTH.
- TRANSVERSE CHECK SLOTS 6 - INCH WIDTH BY 9 - INCH DEPTH ARE EXCAVATED AT 25 - FOOT INTERVALS WITH STAKES 12 INCHES APART FULL WIDTH OF TREATMENT, WELDED SEAM MULTI-WIDTH MAT WILL HAVE SIMILAR TRANSVERSE CHECKS OMITTING EXCAVATED SLOT ONLY.
- END INSTALLATION AT UPSTREAM TERMINAL. TEMPORARILY STAKING MAY BE PLACED TO BECOME PART OF PERMANENT STAKING PATTERN.

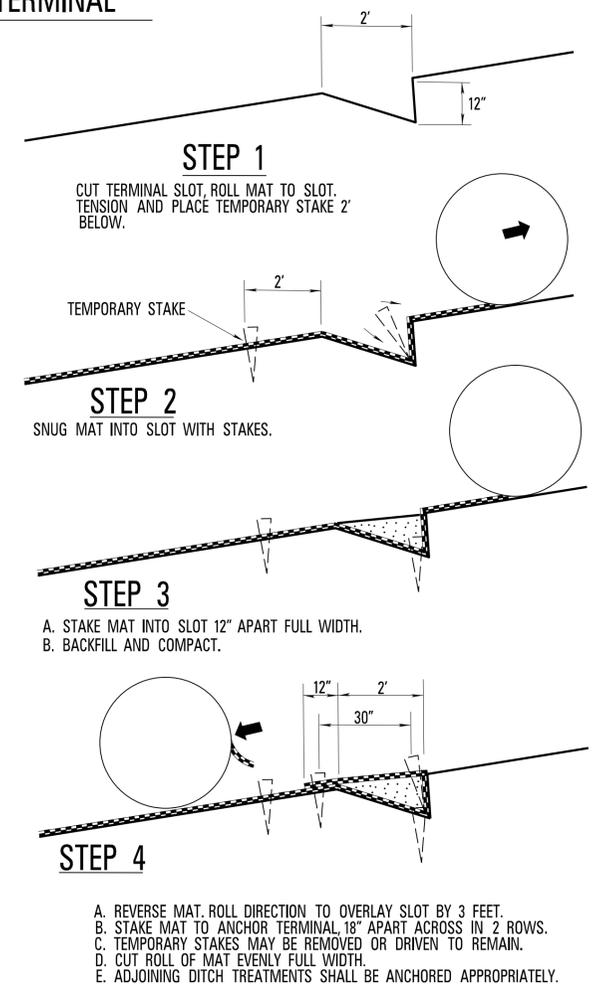
BEGIN INSTALLATION AT DOWNSTREAM TERMINAL



25 - FOOT INTERVAL TRANSVERSE CHECK SLOT (FOR INDIVIDUAL ROLLS\*)



END INSTALLATION AT UPSTREAM TERMINAL

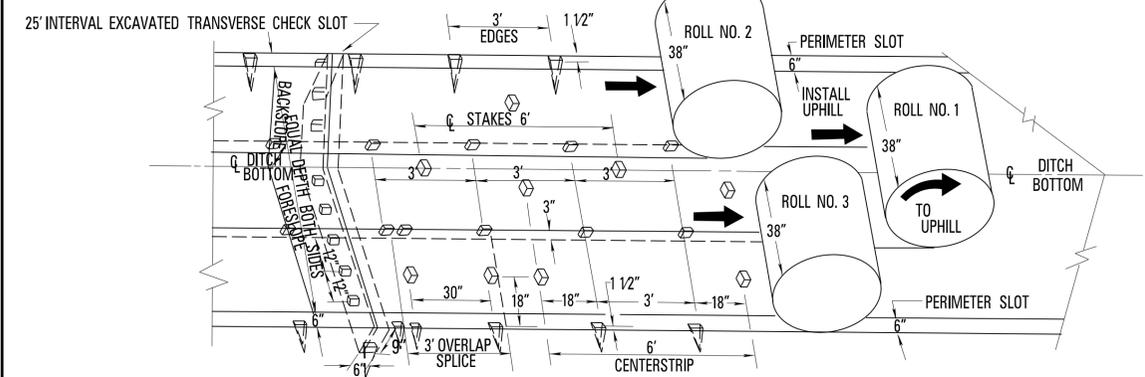


\* WHEN MULTI-WIDTH (WELDED SEAM) ROLLS ARE USED, OMIT EXCAVATED CHECK SLOT AND REPLACE WITH A ROW OF STAKES ONE (1) FOOT APART AT 25 - FOOT INTERVALS (SEE DETAILS). TEMPORARY STAKES NOT REQUIRED.

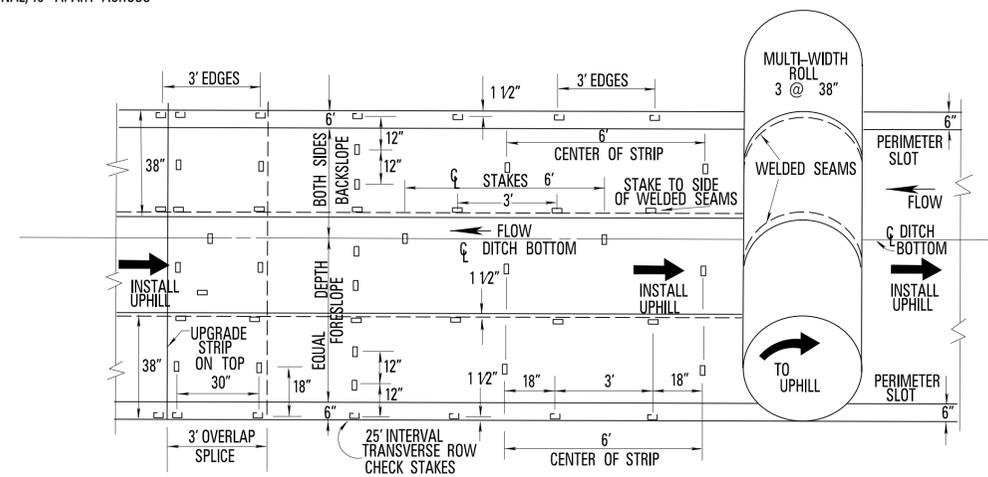
GENERAL NOTES

- WHEN METAL PINS WITH WASHERS ARE PERMITTED IN PLACE OF WOOD STAKES, THE METAL PINS ARE DRIVEN TO ASSURE THAT THE WASHERS WITH MAT UNDERNEATH ARE FLUSH WITH THE GROUND LEAVING NO PROJECTION OF THE PINS ABOVE THE GROUND LINE.
- SOIL REINFORCING MAT SHALL BE USED WHERE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. THE FOLLOWING DESIGNATION SHALL BE USED.

SOIL REINFORCING MAT



SEQUENTIAL ROLL RUN OUT IN DITCH WITH STAKING DETAIL



MULTI-WIDTH WELDED SEAM MAT RUN OUT IN DITCH WITH STAKING DETAIL

|  |                |  |
|--|----------------|--|
| MISSISSIPPI DEPARTMENT OF TRANSPORTATION                           |                | PRELIMINARY<br>NOT FOR<br>CONSTRUCTION |
| DITCH TREATMENT<br>INSTALLATION DETAIL<br>FOR SOIL REINFORCING MAT |                |  |
| COUNTY:  | WORKING NUMBER | DT-1A                                  |
| PROJ. NUM.:  | SHEET NUMBER   |  |
| FILENAME: DT-1A.DGN  | DATE           | \$PG\$                                 |
| DESIGN TEAM  | CHECKED        | DATE 9/29/15                           |

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