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(919) 851-1918 (FAX)
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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| B-3522 | 2-B |

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 025506 ENGINEER JERRY SUMMERLIN FLEMING

11/15/04

HIGHWAY DESIGN ENGINEER

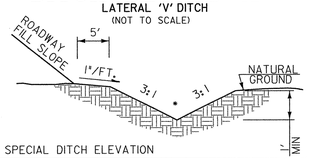
NORTH CAROLINA PROFESSIONAL SEAL 19658 ENGINEER JERRY SCOTT HAYES

11/15/04

# DITCH DETAIL 'A

LATERAL 'V' DITCH

(NOT TO SCALE)



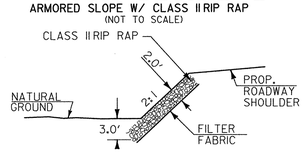

• SPECIAL DITCH ELEVATION

| LINE | STA. TO STA. | DDE ($YD^3$) |
|---|---|---|
| -L- | 23+25 - 25+30 RT. | 60 |
| -L- | 27+15 - 28+75 RT. | 14 |

# DITCH DETAIL 'B'

ARMORED SLOPE W/ CLASS II RIP RAP

(NOT TO SCALE)

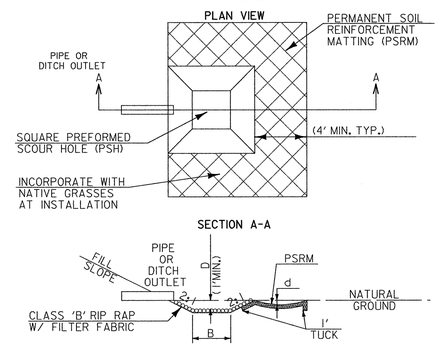



| LINE | STA. TO STA. | RIP RAP (TONS) | FILTER FABRIC (SQ. YDS.) |
|---|---|---|---|
| -L- | 24+00 - 25+58 LT. | 330 | 450 |
| -L- | 25+00 - 25+58 RT. | 120 | 150 |
| -L- | 26+63 - 29+00 LT. | 530 | 725 |
| -L- | 26+63 - 27+50 RT. | 200 | 300 |

# DETAIL 'C'

PREFORMED SCOUR HOLE

(NOT TO SCALE)

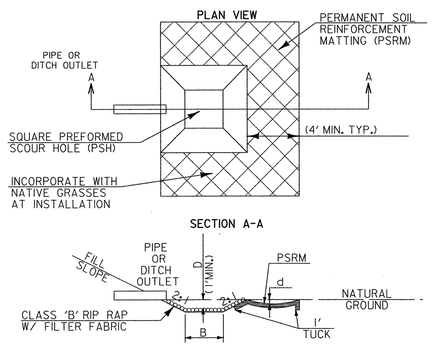



| LINE | STATION | B (FT.) | D (FT.) | $W_{PSR}$ (FT.) | d (FT.) | CLASS B RIP RAP (TONS) | DDE ($YD^3$) | FILTER FABRIC ($YD^2$) | PSRM ($FT^2$) |
|---|---|---|---|---|---|---|---|---|---|
| -L- | 24+67 LT. | 4.0 | 2.0 | 5.0 | 1.0 | 9.1 | 21 | 250 | 310 |
| -L- | 27+00 LT. | 4.0 | 2.0 | 5.0 | 1.0 | 9.1 | 21 | 250 | 310 |

# DETAIL 'D'

PREFORMED SCOUR HOLE

(NOT TO SCALE)

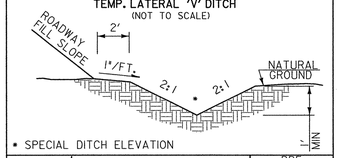



| LINE | STATION | B (FT.) | D (FT.) | $W_{PSR}$ (FT.) | d (FT.) | CLASS B RIP RAP (TONS) | DDE ($YD^3$) | FILTER FABRIC ($YD^2$) | PSRM ($FT^2$) |
|---|---|---|---|---|---|---|---|---|---|
| -L- | 24+55 LT. | 4.5 | 2.0 | 5.0 | 1.0 | 9.1 | 21 | 250 | 310 |
| -L- | 25+35 RT. | 4.5 | 2.0 | 5.0 | 1.0 | 9.1 | 21 | 250 | 310 |
| -L- | 27+10 RT. | 4.5 | 2.0 | 5.0 | 1.0 | 9.1 | 21 | 250 | 310 |

# DITCH DETAIL 'E

TEMP. LATERAL 'V' DITCH

(NOT TO SCALE)




• SPECIAL DITCH ELEVATION

| LINE | STA. TO STA. | DDE ($YD^3$) |
|---|---|---|
| DETOUR | 23+28 - 25+57.5 RT. | 43 |
| DETOUR | 27+09 - 28+85 RT. | 38 |

REVISIONS

11/10/2004 10:57:59 AM
F:\Roadway\Proj\B3522_RDY_TYP.DGN