REVISIONS 8/17/99

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

PROJECT REFERENCE NO.	SHEET NO.
R-5769	EC-7/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

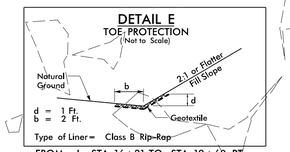
WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN – BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN – GIS/GPS – CONSTRUCTION OBSERVATION

NOVO NORDISK PHARMACEUTICAL INDUSTRIES, INC. DB 4706 PG 206 (1)

NOVO NORDISK PHARMACEUTICAL INDUSTRIES, INC. DB 1486 PG 1 (1)

DETAIL E
TOE PROTECTION
(Not to Scale)



d = 1 Ft.
b = 2 Ft.
Type of Liner = Class B Rip-Rap

FROM -L- STA. 16+21 TO STA. 19+60 RT
Estimate 78 Tons Class B Rip-Rap
Estimate 267 SY Geotextile

NOTE: CONTRACTOR WILL BE REQUIRED TO FOLLOW NCDOT RECLAMATION PROCEDURES FOR BORROW/WASTESTAGING AREAS FOR CONSTRUCTION IF LAND DISTURBING ACTIVITIES OCCUR WITHIN THE CONTRACTOR LAYDOWN AREA

-L- PC Sta. 19+20.77

-L- PT Sta. 25+99.67

36 x 12 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 5.2

61x 15 x 3
4 ft. weir
ID 5.3

48 x 17 x 3
4 ft. weir
ID 5.5

48 x 17 x 3
4 ft. weir
ID 5.6

45 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 5.1

-L- +20.00
40.00'
65' LT

-L- +94.00
40.00'
65' LT

TOE PROTECTION
SEE DETAIL E

GRAU 350 TL-3

GRAU 350 TL-3

36" RCP-III
(BURIED 0.6')

CONTRACTOR
LAYDOWN
AREA

N 70° 18' 49.1" E

N 36° 29' 20.4" E

MATCHLINE SHEET 4 -L- STA.1+00.00

MATCHLINE SHEET 6 -L- STA.31+00.00

MATCHLINE SHEET 7

MATCHLINE SHEET 8

NOVO NORDISK PHARMACEUTICAL INDUSTRIES, INC. DB 1486 PG 1 (1)

NOVO NORDISK PHARMACEUTICAL INDUSTRIES, INC. DB 4706 PG 206 (1)

(5) NEW BETHEL CHURCH/ NO DEED REFERENCE

NAD 83 NC GRID NA 2011

ROCK PLATING
SEE GEOTECHNICAL DETAILS
SHEETS 2G-11 THRU 2G-12

SEE SHEET 9 & 10 FOR -L- PROFILE

SEE SHEETS 2G-1 THRU 2G-14 FOR GEOTECHNICAL DETAILS

$$$$$SYSTIME$$$$
$$$$$SHEETNAME$$$$
$$$$$USERNAME$$$$
$$$$$DGNFILE$$$$
$$$$$$$$$$$$$$$$