

# DRAINAGE DETAILS

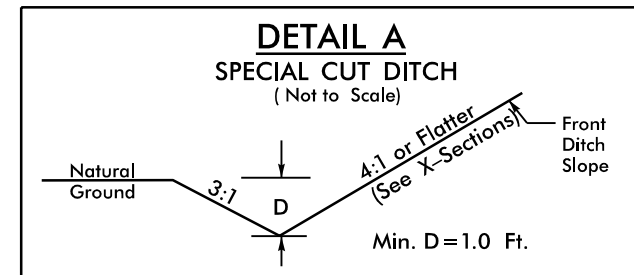
(NOT TO SCALE)

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

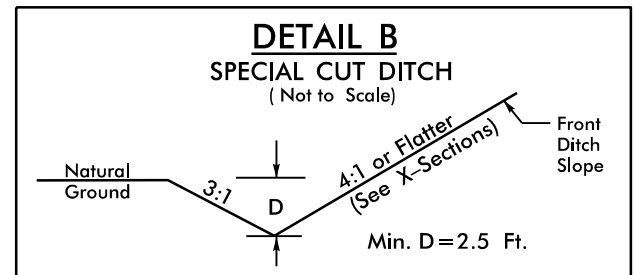
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

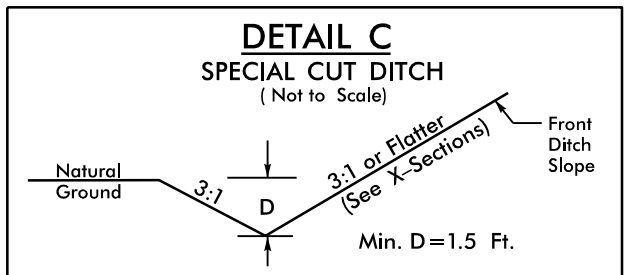
PROJECT REFERENCE NO. <b>W-5600</b>	SHEET NO. <b>2D-1</b>
RW SHEET NO.	
HYDRAULICS 12/15/2006 16:23 PST	
SEAL 31977 NORTH CAROLINA PROFESSIONAL ENGINEERS ASSOCIATION	



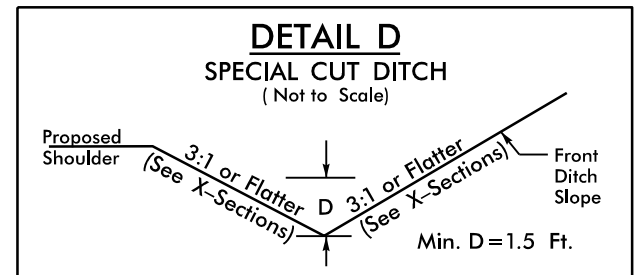
FROM STA. 22+00 TO STA. 29+00 -L- RT  
FROM STA. 11+00 TO STA. 11+50 -Y4- RT  
FROM STA. 12+35 TO STA. 13+00 -Y5- RT  
FROM STA. 12+35 TO STA. 13+00 -Y5- LT  
FROM STA. 19+00 TO STA. 23+00 -Y7- RT  
FROM STA. 34+00 TO STA. 36+00 -Y7- LT  
FROM STA. 33+00 TO STA. 34+00 -Y7- RT  
FROM STA. 36+10 TO STA. 36+50 -Y7- RT  
FROM STA. 14+90 TO STA. 16+00 -Y9- RT  
FROM STA. 16+50 TO STA. 19+00 -Y9- LT  
FROM STA. 24+20 TO STA. 25+90 -Y9RPA- RT  
AT STA. 23+70.48 -Y9RPA- LT  
FROM STA. 23+85 TO STA. 25+20 -Y9RPC- RT  
FROM STA. 66+25 TO STA. 66+70 -SR1- LT  
FROM STA. 55+18 TO STA. 58+28 -SR2- RT  
FROM STA. 92+50 TO STA. 96+87 -SR2- RT  
FROM STA. 10+40 TO STA. 17+00 -SR3- RT  
FROM STA. 13+50 TO STA. 16+00 -SR3- LT  
FROM STA. 52+00 TO STA. 56+50 -SR3- LT  
FROM STA. 54+00 TO STA. 56+50 -SR3- RT  
FROM STA. 60+80 TO STA. 63+00 -SR3- LT  
FROM STA. 63+00 TO STA. 63+85 -SR3- RT  
FROM STA. 13+25 TO STA. 15+40 -SR7- RT  
FROM STA. 16+50 TO STA. 17+50 -SR7- RT  
FROM STA. 20+50 TO STA. 23+00 -SR7- RT  
FROM STA. 21+00 TO STA. 22+00 -SR7- LT  
FROM STA. 38+20 TO STA. 40+25 -SR7- LT  
FROM STA. 41+10 TO STA. 43+07 -SR7- LT  
FROM STA. 72+48 TO STA. 74+60 -SR7- RT  
FROM STA. 10+60 TO STA. 11+14 -SR8- RT  
FROM STA. 11+00 TO STA. 12+55 -SR9- LT  
FROM STA. 11+25 TO STA. 12+55 -SR9- RT  
FROM STA. 10+55 TO STA. 11+40 -DR1- RT  
FROM STA. 10+50 TO STA. 10+95 -DR1- LT



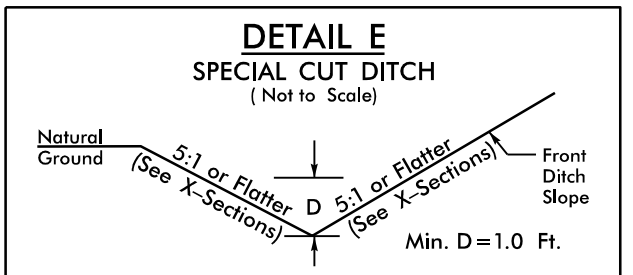
FROM STA. 25+00 TO STA. 36+00 -L- LT  
FROM STA. 103+50 TO STA. 105+00 -L- LT  
FROM STA. 91+64 TO STA. 92+50 -SR2- RT



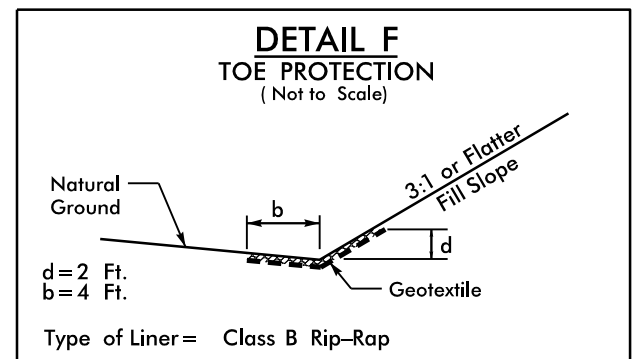
FROM STA. 19+10 TO STA. 20+50 -Y9RPA- LT  
FROM STA. 18+00 TO STA. 20+90 -SR2- LT



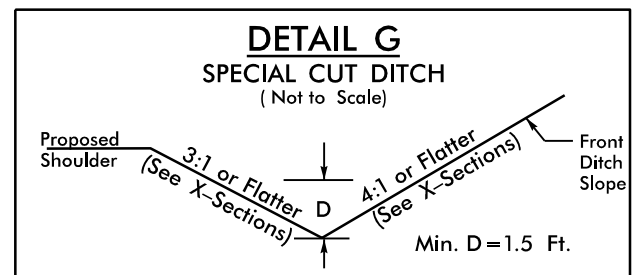
FROM STA. 53+50 TO STA. 56+00 -L- LT  
FROM STA. 23+20 TO STA. 24+25 -Y9RPA- RT



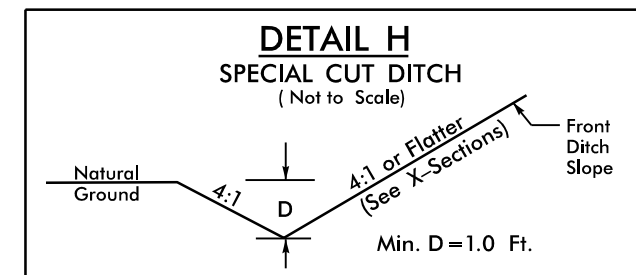
FROM STA. 14+50 TO STA. 15+50 -Y7LPA- RT



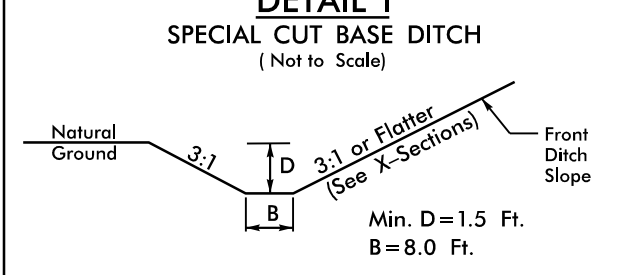
Type of Liner = Class B Rip-Rap  
FROM STA. 113+49 TO STA. 114+50 -L- RT  
FROM STA. 143+82 TO STA. 144+94 -L- LT  
FROM STA. 197+50 TO STA. 199+50 -L- RT  
FROM STA. 200+50 TO STA. 202+00 -L- RT  
FROM STA. 18+00 TO STA. 22+80 -Y7RPA- LT  
FROM STA. 21+35 TO STA. 22+50 -Y7RPA- RT  
FROM STA. 16+75 TO STA. 17+06 -Y9- RT  
FROM STA. 24+69 TO STA. 26+60 -SR1- LT  
FROM STA. 26+96 TO STA. 27+62 -SR1- LT  
FROM STA. 51+32 TO STA. 52+27 -SR1- RT  
FROM STA. 36+24 TO STA. 38+15 -SR2- RT  
FROM STA. 38+55 TO STA. 38+88 -SR2- RT  
FROM STA. 75+13 TO STA. 75+59 -SR2- RT  
FROM STA. 17+00 TO STA. 28+82 -SR3- RT  
FROM STA. 18+10 TO STA. 28+32 -SR3- LT  
FROM STA. 46+71 TO STA. 50+26 -SR3- RT  
FROM STA. 47+00 TO STA. 50+20 -SR3- LT



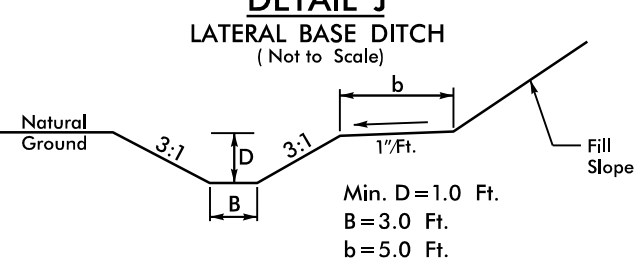
FROM STA. 54+00 TO STA. 58+00 -L- RT  
FROM STA. 66+50 TO STA. 69+00 -L- RT



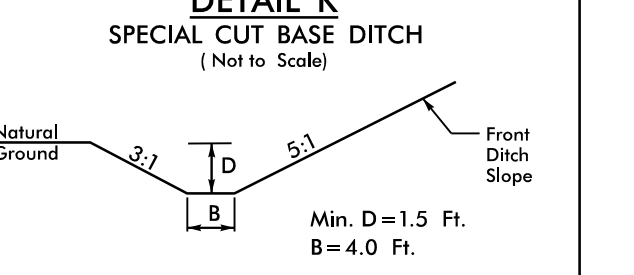
FROM STA. 24+65 TO STA. 27+76 -Y7RPA- RT  
FROM STA. 22+00 TO STA. 23+30 -Y9RPA- LT



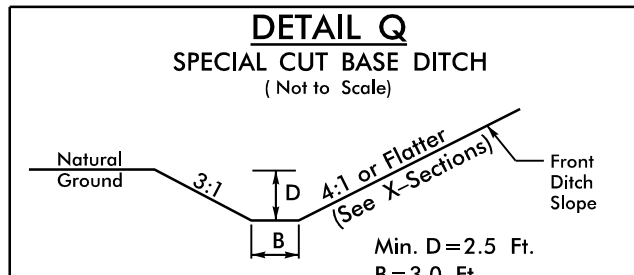
FROM STA. 262+00 TO STA. 275+50 -L- RT  
FROM STA. 278+10 TO STA. 280+00 -L- RT  
FROM STA. 22+00 TO STA. 24+20 -Y9RPA- RT  
FROM STA. 75+60 TO STA. 76+29 -SR2- RT



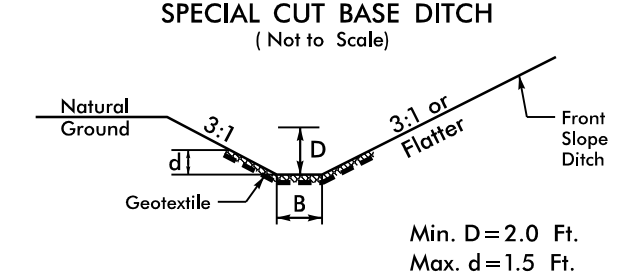
FROM STA. 28+30 TO STA. 32+00 -SR3- LT



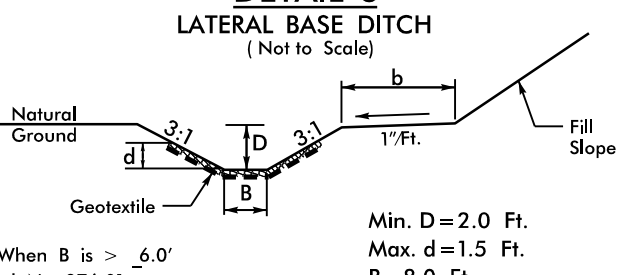
FROM STA. 36+00 TO STA. 40+00 -L- LT



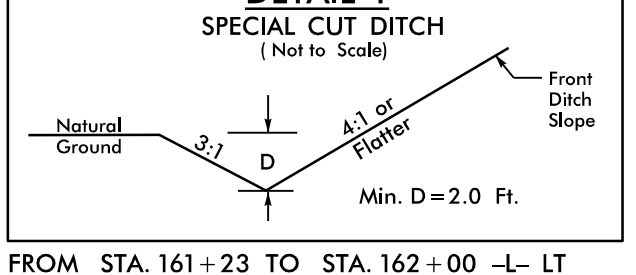
FROM STA. 63+00 -SR3- LT TO STA. 34+00 -Y7- RT



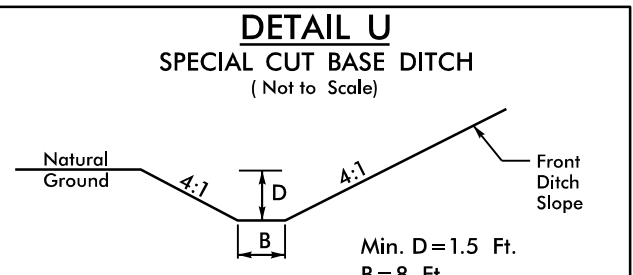
Type of Liner = Class B Rip-Rap  
FROM STA. 32+47 TO STA. 34+00 -Y7- LT



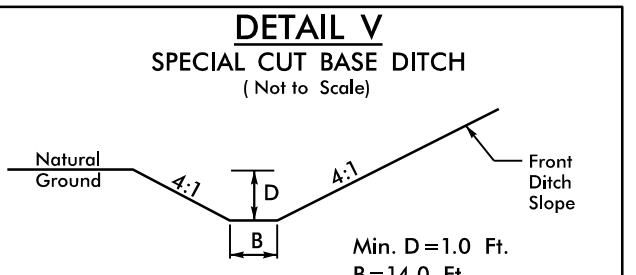
\*When B is > 6.0'  
Std. No. 876.01  
Type of Liner = Class I Rip-Rap  
FROM STA. 29+94 TO STA. 31+16 -Y7- LT



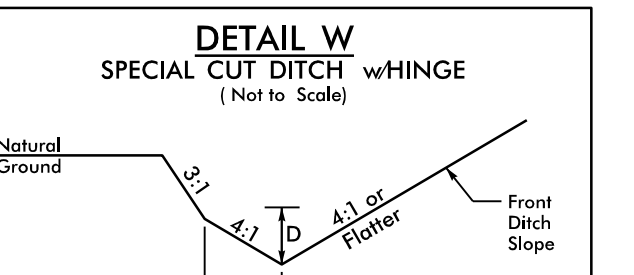
FROM STA. 161+23 TO STA. 162+00 -L- LT  
FROM STA. 262+00 TO STA. 275+50 -L- RT  
FROM STA. 280+00 TO STA. 281+50 -L- RT  
FROM STA. 76+29 TO STA. 80+70 -SR2- RT  
FROM STA. 87+13 TO STA. 91+64 -SR2- RT  
FROM STA. 42+48 TO STA. 44+20 -SR6- RT  
FROM STA. 35+50 TO STA. 37+03 -SR7- RT  
FROM STA. 38+00 TO STA. 41+12 -SR7- RT



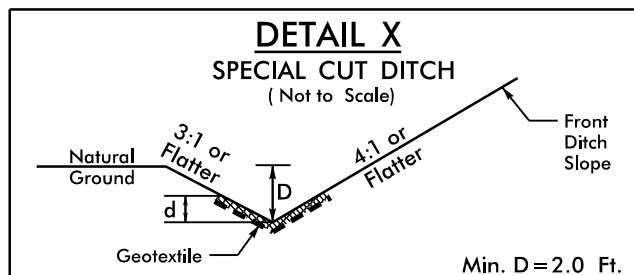
FROM STA. 162+00 TO STA. 162+90 -L- LT



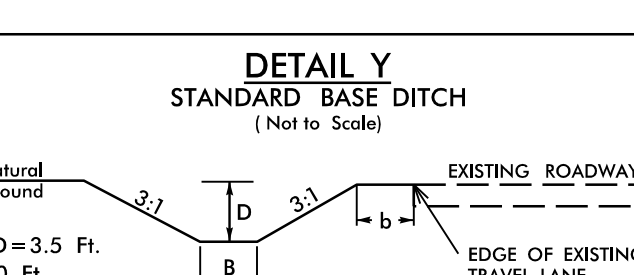
FROM STA. 101+00 TO STA. 112+50 -L- RT



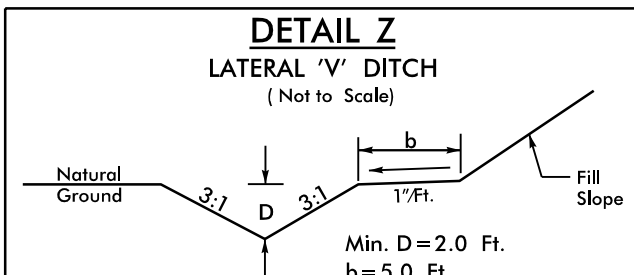
FROM STA. 173+00 TO STA. 174+50 -L- LT  
FROM STA. 175+50 TO STA. 181+50 -L- LT  
FROM STA. 188+00 TO STA. 191+00 -L- LT  
FROM STA. 19+69 TO STA. 29+48 -Y7RPC- RT



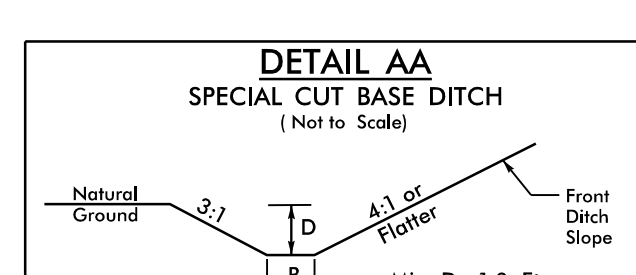
Type of Liner = Class B Rip-Rap  
FROM STA. 160+50 TO STA. 161+23 -L- LT  
FROM STA. 191+00 TO STA. 192+00 -L- LT  
FROM STA. 193+00 TO STA. 193+50 -L- LT  
FROM STA. 44+20 TO STA. 47+30 -SR6- LT



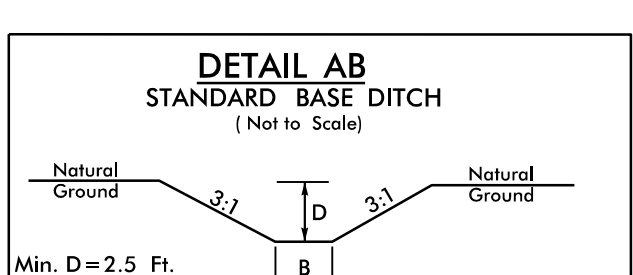
FROM STA. 10+70 TO STA. 13+80 -WBL- LT  
FROM STA. 17+20 TO STA. 27+05 -WBL- LT



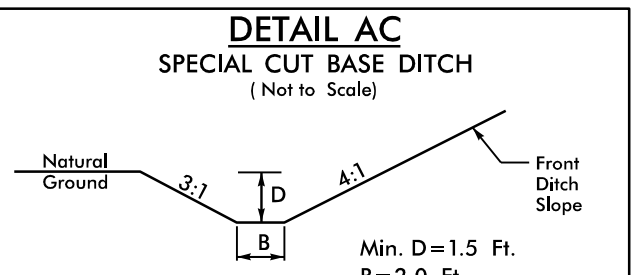
FROM STA. 16+05 TO STA. 19+10 -Y9RPA- LT



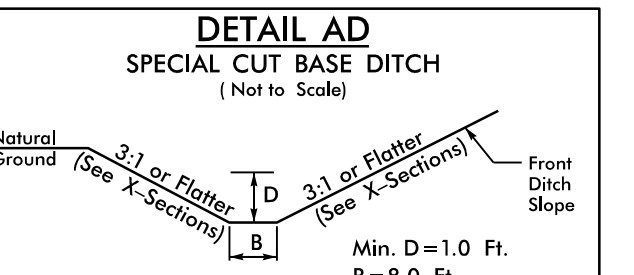
FROM STA. 18+50 TO STA. 19+50 -Y7RPA- RT  
FROM STA. 26+00 TO STA. 26+50 -Y9- RT



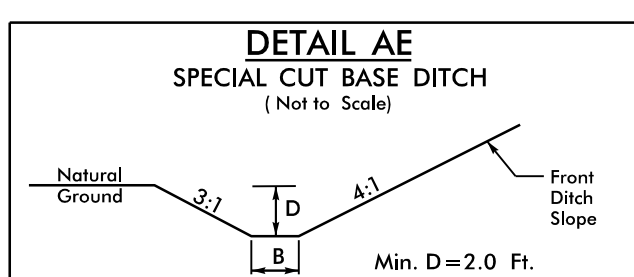
AT STA. 26+00 -Y9- LT



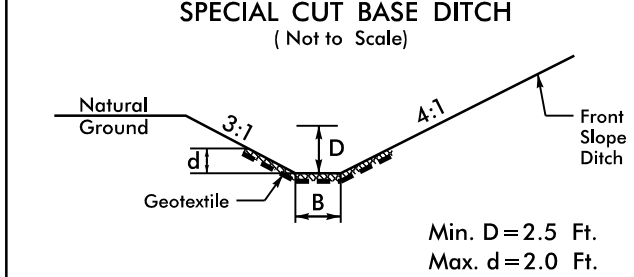
FROM STA. 278+10 TO STA. 281+50 -L- RT  
FROM STA. 10+49 TO STA. 12+75 -SR8- LT



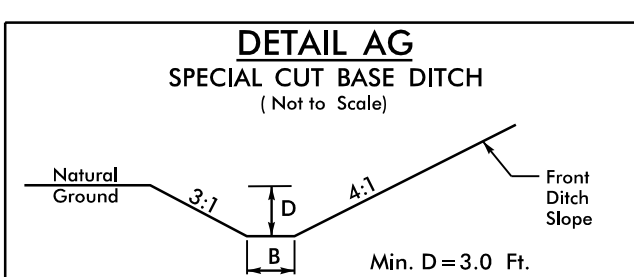
FROM STA. 18+92 TO STA. 19+75 -Y9RPA- LT  
FROM STA. 20+80 TO STA. 21+50 -Y9RPA- LT  
FROM STA. 27+63 TO STA. 28+12 -SR1- LT



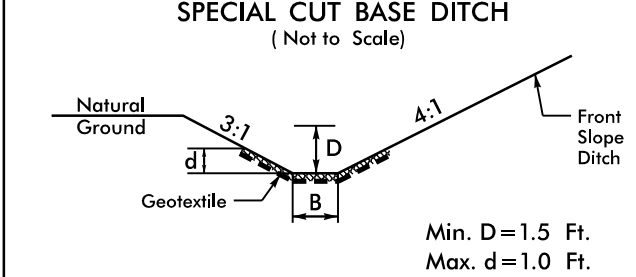
FROM STA. 22+50 TO STA. 24+10 -SR7- LT



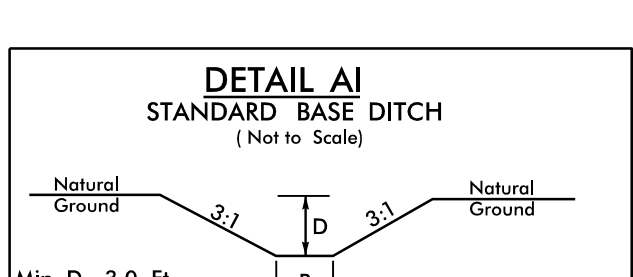
Type of Liner = Class B Rip-Rap  
FROM STA. 24+10 TO STA. 29+26 -SR7- LT



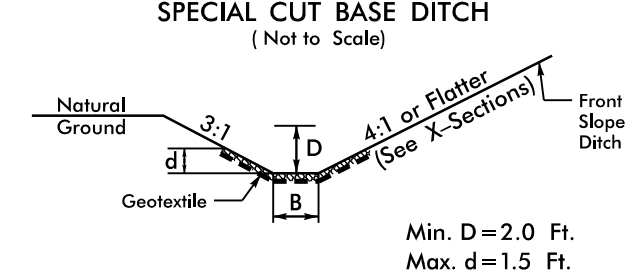
FROM STA. 259+45 TO STA. 260+57 -L- RT  
FROM STA. 29+94 TO STA. 34+18 -SR7- LT



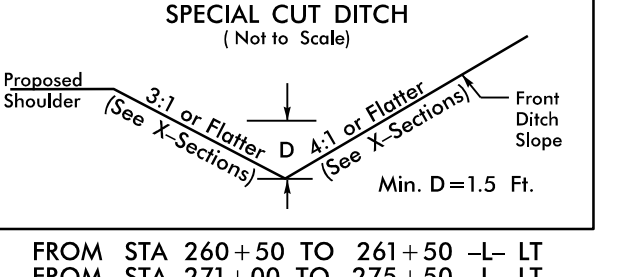
Type of Liner = Class B Rip-Rap  
FROM STA. 34+18 TO STA. 35+50 -SR7- LT



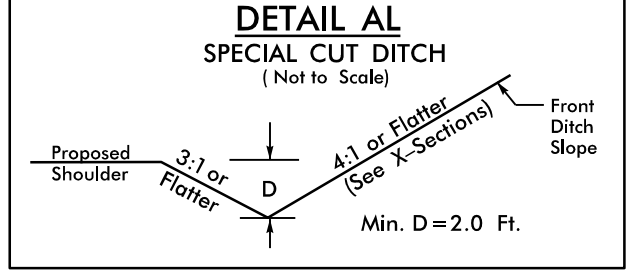
AT STA. 37+52 -SR7- LT



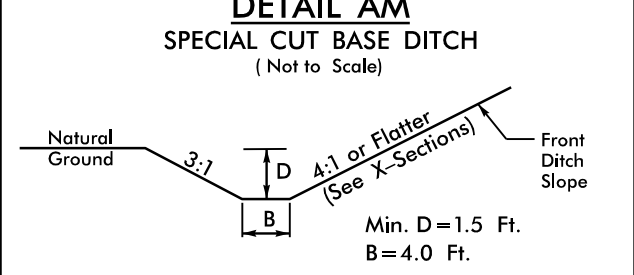
Type of Liner = Class B Rip-Rap  
FROM STA. 257+22 TO STA. 259+45 -L- RT



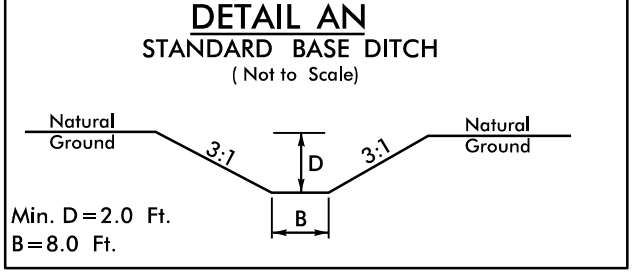
FROM STA. 260+50 TO STA. 261+50 -L- LT  
FROM STA. 271+00 TO STA. 275+50 -L- LT



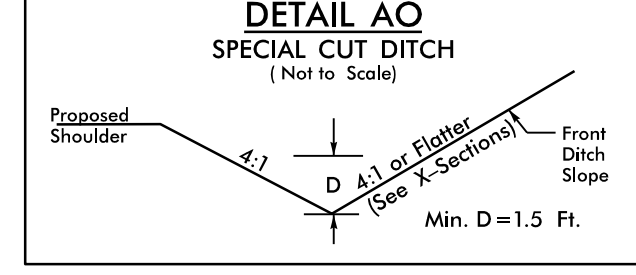
FROM STA. 275+50 TO STA. 276+00 -L- LT



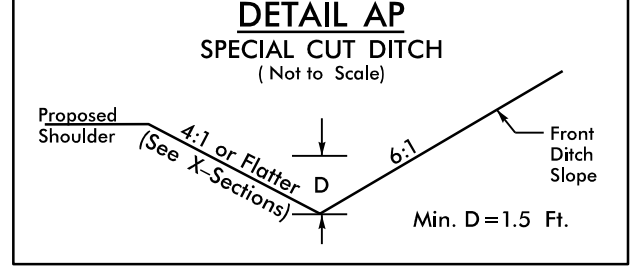
FROM STA. 278+10 TO STA. 279+96 -L- LT



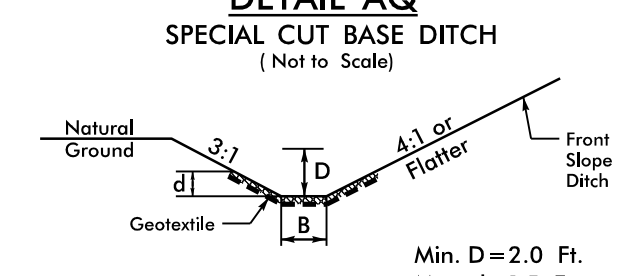
STA. 72+56 -SR7-



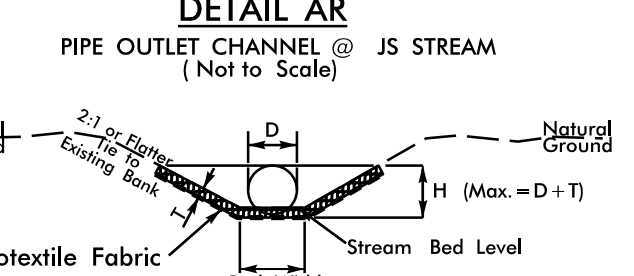
FROM STA. 235+50 TO STA. 245+00 -L- RT



FROM STA. 246+50 TO STA. 250+61 -L- RT



Type of Liner = Class B Rip-Rap  
FROM STA. 18+00 TO STA. 18+50 -Y7RPA- RT



AT STA. 134+77 -L- LT  
AT STA. 144+57 -L- LT  
AT STA. 155+00 -L- RT  
AT STA. 165+15 -L- RT  
AT STA. 193+44 -L- RT  
AT STA. 197+94 -L- RT  
AT STA. 260+48 -L- RT  
AT STA. 20+11 -Y7RPA- LT  
AT STA. 59+00 -SR1- RT  
AT STA. 75+08 -SR2- RT  
AT STA. 37+42 -SR3- LT

12/14/2006 09:00:00 -du.psh.02D-01.DitchDetail.sxdgn