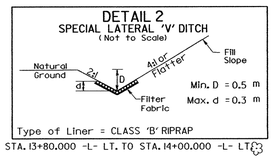
PROJECT REFERENCE NO.	SHEET NO.
R-3303	EC-16/CONST.5
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC

5 0 10

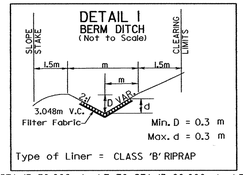
DETAIL 2
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



Type of Liner = CLASS 'B' RIPRAP

STA. 13+80.000 -L- LT. TO STA. 14+00.000 -L- LT.

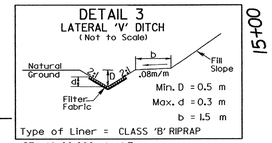
DETAIL 1
BERM DITCH
(Not to Scale)



Type of Liner = CLASS 'B' RIPRAP

STA. 13+30.000 -L- LT. TO STA. 13+60.000 -L- LT.

DETAIL 3
LATERAL 'V' DITCH
(Not to Scale)



Type of Liner = CLASS 'B' RIPRAP

STA. 14+00.000 -L- LT.
STA. 14+75.000 -L- LT. TO STA. 14+80.000

-L-
Pls Sta 15+74.756
θs = 1° 25' 56.6"
Ls = 45.000
LT = 30.001
ST = 15.001

(5) HUBERT COVINGTON
DB 536 PG 578

-L-
Pl Sta 13+67.071
Δ = 24° 56' 04.1" (LT)
L = 391.670
T = 198.985
R = 900.000
Se = 0.06
Se runoff = 45
Tro = 18

-T-40 POT 5+00.000
ELEV=130.910
STA. 14+09.046 -L-
45.359 m LT.
REBAR & CAP

BL-6 -BL- PINC 11+47.564
-T- PINC 5+50.161
ELEV=131.577
STA. 14+37.456 -L-
3.488 m. LT.
REBAR & CAP

BL-4
PINC 9+29.215
STA. 12+18.891 -L-
1.436 m LT.

BL-7
PINC 12+46.445
STA. 15+36.916 -L-
10.173 m LT.

SPECIAL DITCH
STA 12+20 -L- LTTO
STA 11+70 -L- LT
SEE PROFILE FOR GRADE

SPECIAL LAT. DITCH
LINED W/CLASS 'B' RIPRAP
STA 13+80 LT TO
STA 14+00 LT
SEE DETAIL #2

LAT.'V' DITCH LINED
W/CLASS 'B' RIPRAP
W/1.5m BERM
SEE DETAIL #3

CLASS 'B'
RIPRAP

CLASS 'I' RIPRAP
STD. 876.01 (NO
RIPRAP IN BED)
20 MTNS
20 SM FF

PFSH
B=1.2m
SEE DETAIL
SHEET 2-C

SPECIAL LAT. 'V' DITCH
W/CLASS 'B' RIPRAP
STA 14+75 LT TO
STA 14+80 LT
SEE DETAIL #3

PFSH
B=1.2m
SEE DETAIL
SHEET 2-C

CLASS 'B' RIPRAP

7 x 3 x 1

6 x 2 x 1

NC GRID
NAD 83

MATCHLINE STA.12+00.000
SEE SHEET 4

MATCHLINE STA.15+90.000
SEE SHEET 6

+40.000
21.247m
(69.70')

+60.283
18.523m
(60.77')

+80.009
19.879m, 22.795m
(65.22'),(74.79')

+07.521
21.080m, 26.893m
(69.10'),(88.23')

+00.000
19.000m
(62.34')

+80.003
23.973m
(78.65')

+75.174
20.108m
(65.97')

+80.103
15.000m
(49.21')

+60.113
17.308m
(56.79')

+36.000
28.000m
(91.86')

+77.000
29.000m
(95.14')

16.067m, 18.137m
(52.71'),(59.51')

S 61° 59' 41.2" E

S 73° 16' 43.6" E

S 80° 32' 23.9" E

GRAU-350 FS

PDE

TSD

BDO

400 CS W/ELBOW

STD. BERM DITCH
STA 12+80 -L- RT TO
STA 13+30 -L- RT

BERM DITCH LINE
W/CLASS 'B' RIPRAP
STA 13+30 -L- RT TO
STA 13+60 -L- RT
SEE DETAIL #1

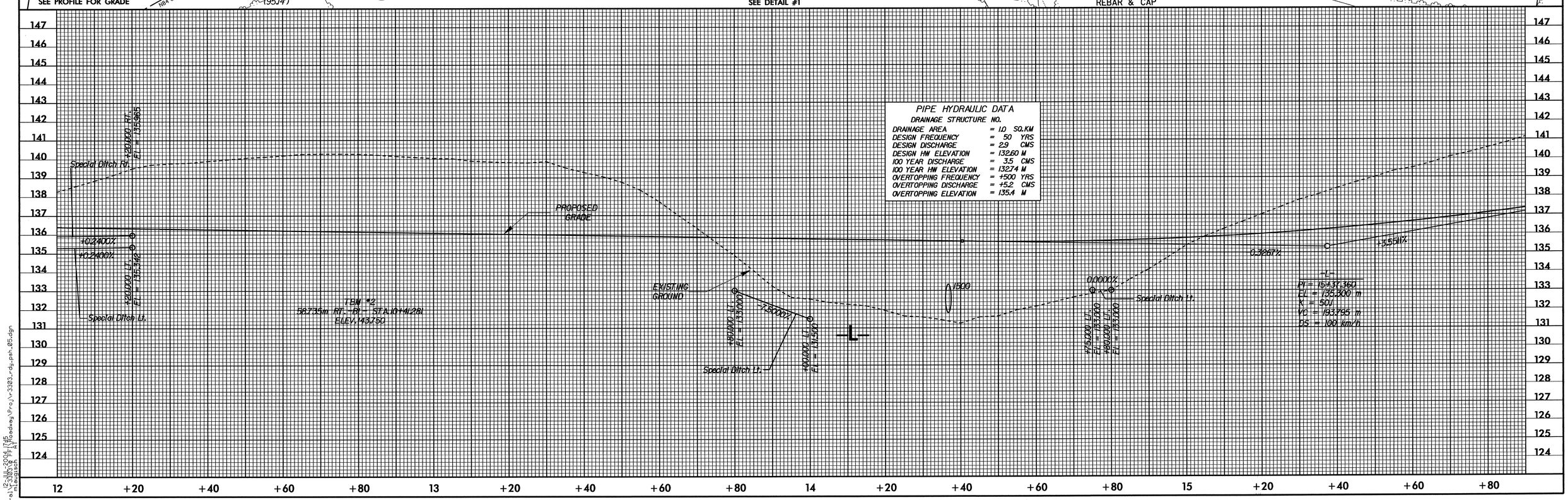
200m TAPER

SPECIAL DITCH
STA 12+20 -L- RT TO
STA 11+70 -L- RT
SEE PROFILE FOR GRADE

IRENE HAYWOOD
DB 248 PG 202
(4)

(5) HUBERT COVINGTON
DB 536 PG 578

-T-41 POT 5+87.622
ELEV=127.226
STA. 14+47.977 -L-
32.417 m RT.
REBAR & CAP



I:\rea\Rural\R-3303\Roadway\Proj\r-3303-rdy_psh_05.dgn
12-JUL-2004 11:45
mwatson