PROJECT REFERENCE NO.	SHEET NO.
B-3808	EC-3/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

NOTE: UTILIZE SPECIAL STILLING BASIN AND TEMPORARY ROCK SEDIMENT DAM TYPE - B AS STILLING BASIN WHERE APPLICABLE

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

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

(GPS B-3808-2) 10+15.79 POT

BEGIN CONSTRUCTION
-L- POT 11+00.00

-L- POT 0+00.00

-L- POT 11+00.88

-L- S 30° 37' 59" E

PAT FORD WATSON
D.B. 191 PG. 1151

WILLIAM J. & REBA JEAN HUGHES
D.B. 67 PG. 266

ERNEST & LUCY BURLESON
D.B. 62 PG. 24

RONALD & LINA WISE
D.B. 93 PG. 792

SAMUEL & VICKIE S. HUGHES
D.B. 68 PG. 175

CL 'I' RIPRAP
EST. 11 TONS
EST. 22 SY F.F.

BASE DITCH
SEE DETAIL C
CL 'B' RIPRAP
EST. 80 TONS
EST. 215 SY F.F.

DITCH BLOCK
SEE DETAIL A

'V' DITCH
SEE DETAIL D
CL 'B' RIPRAP
EST. 35 TONS
EST. 105 SY F.F.

22 x 11 x 3
4' weir

-L- PRC 13+14.52

EXCAVATE = 280 CY

-L- S 62° 39' 11.2" E

-L- PT 15+09.95

46 x 22 x 3
8' weir

BASE DITCH
SEE DETAIL B
CL 'B' RIPRAP
EST. 85 TONS
EST. 230 SY F.F.
EST. DDE = 240 CY

22 x 10 x 3
4' weir

BEGIN BRIDGE
-L- POT 16+91 +/-

BEGIN BARRIER
-L- POT 17+41.26

END BRIDGE
-L- POT 17+36 +/-

END SHLD. BERM GUTTER
19+95.00

END BARRIER
BEGIN SHLD. BERM GUTTER
-L- POT 19+50

TYPE B-77
(SEE DETAIL SHEET 2-F)

FOR BARRIER TRANSITION
(SEE DETAIL SHEET 2-F)

END CONSTRUCTION
-L- POT 20+50.00

-L- POT 20+69.03

CL 'I' RIPRAP
EST. 2 TONS
EST. 8 SY F.F.

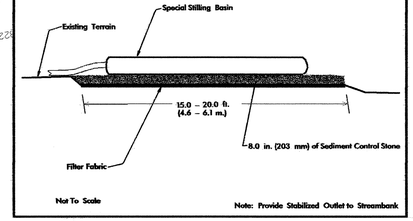
14 x 7 x 3
4' weir

BL-1 14+93.37 POT
-L- STA. 13+71.77
(11.40' RT)

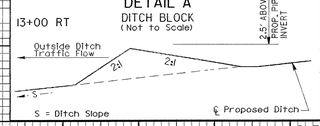
BL-2 19+28.61 POT
-L- STA. 18+03.69
(12.48' RT)

PI Sta 12+07.73	PI Sta 14+15.39	PI Sta 18+36.86
Δ = 3° 12' 16.5" (RT)	Δ = 34° 59' 27.9" (LT)	Δ = 33° 21' 40.1" (LT)
D = 1° 30' 00.0"	D = 17° 54' 17.8"	D = 20° 06' 13.6"
L = 213.64'	L = 195.43'	L = 165.94'
T = 106.85'	T = 100.87'	T = 85.40'
R = 3,819.72'	R = 320.00'	R = 285.00'
Se = NC	Se = 0.06	Se = 0.06

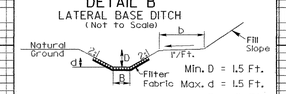
SPECIAL STILLING BASIN WITH ROCK PAD



DETAIL A
DITCH BLOCK
(Not to Scale)

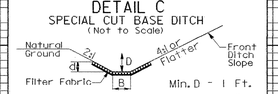


DETAIL B
LATERAL BASE DITCH
(Not to Scale)



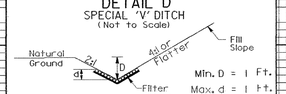
15+00 TO 16+50 RT
Type of Liner = CLASS 'B' RIPRAP

DETAIL C
SPECIAL CUT BASE DITCH
(Not to Scale)

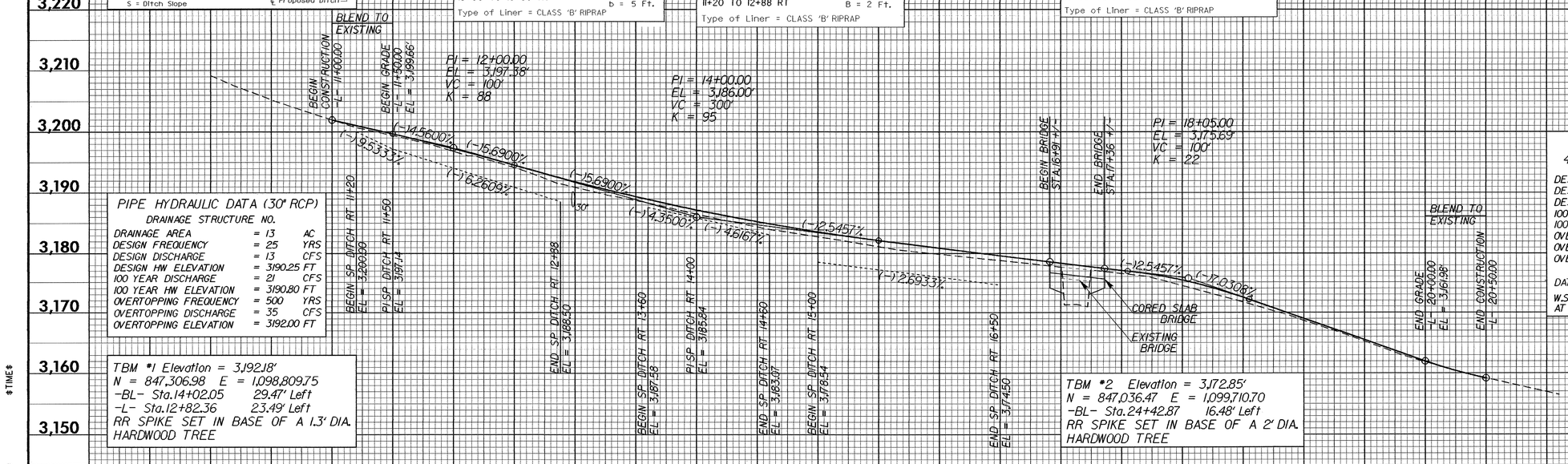


11+20 TO 12+88 RT
Type of Liner = CLASS 'B' RIPRAP

DETAIL D
SPECIAL 'V' DITCH
(Not to Scale)



13+60 TO 14+60 RT
Type of Liner = CLASS 'B' RIPRAP



PIPE HYDRAULIC DATA (30" RCP)
DRAINAGE STRUCTURE NO.

DRAINAGE AREA	= 13	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 13	CFS
DESIGN HW ELEVATION	= 3190.25	FT
100 YEAR DISCHARGE	= 21	CFS
100 YEAR HW ELEVATION	= 3190.80	FT
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 35	CFS
OVERTOPPING ELEVATION	= 3192.00	FT

TBM #1 Elevation = 3,192.18'
N = 847,306.98 E = 1,098,809.75
-BL- Sta. 14+02.05 29.47' Left
-L- Sta. 12+82.36 23.49' Left
RR SPIKE SET IN BASE OF A 1.3' DIA. HARDWOOD TREE

BRIDGE HYDRAULIC DATA
45' - 21" CORED SLAB BRIDGE

DESIGN DISCHARGE	= 600	CFS
DESIGN FREQUENCY	= 10	YRS
DESIGN HW ELEVATION	= 3176.40	FT
100 YEAR DISCHARGE	= 1300	CFS
100 YEAR HW ELEVATION	= 3181.10	FT
OVERTOPPING DISCHARGE	= 700	CFS
OVERTOPPING FREQUENCY	= 10+	YRS
OVERTOPPING ELEVATION	= 3177.10	FT
DATE OF SURVEY	= 8/23/02	
W.S. ELEVATION AT DATE OF SURVEY	= 3179.10	FT

TBM #2 Elevation = 3,172.85'
N = 847,036.47 E = 1,099,710.70
-BL- Sta. 24+42.87 16.48' Left
RR SPIKE SET IN BASE OF A 2' DIA. HARDWOOD TREE

3,220 3,210 3,200 3,190 3,180 3,170 3,160 3,150

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00

$TIME$
$DATE$
$FILE$