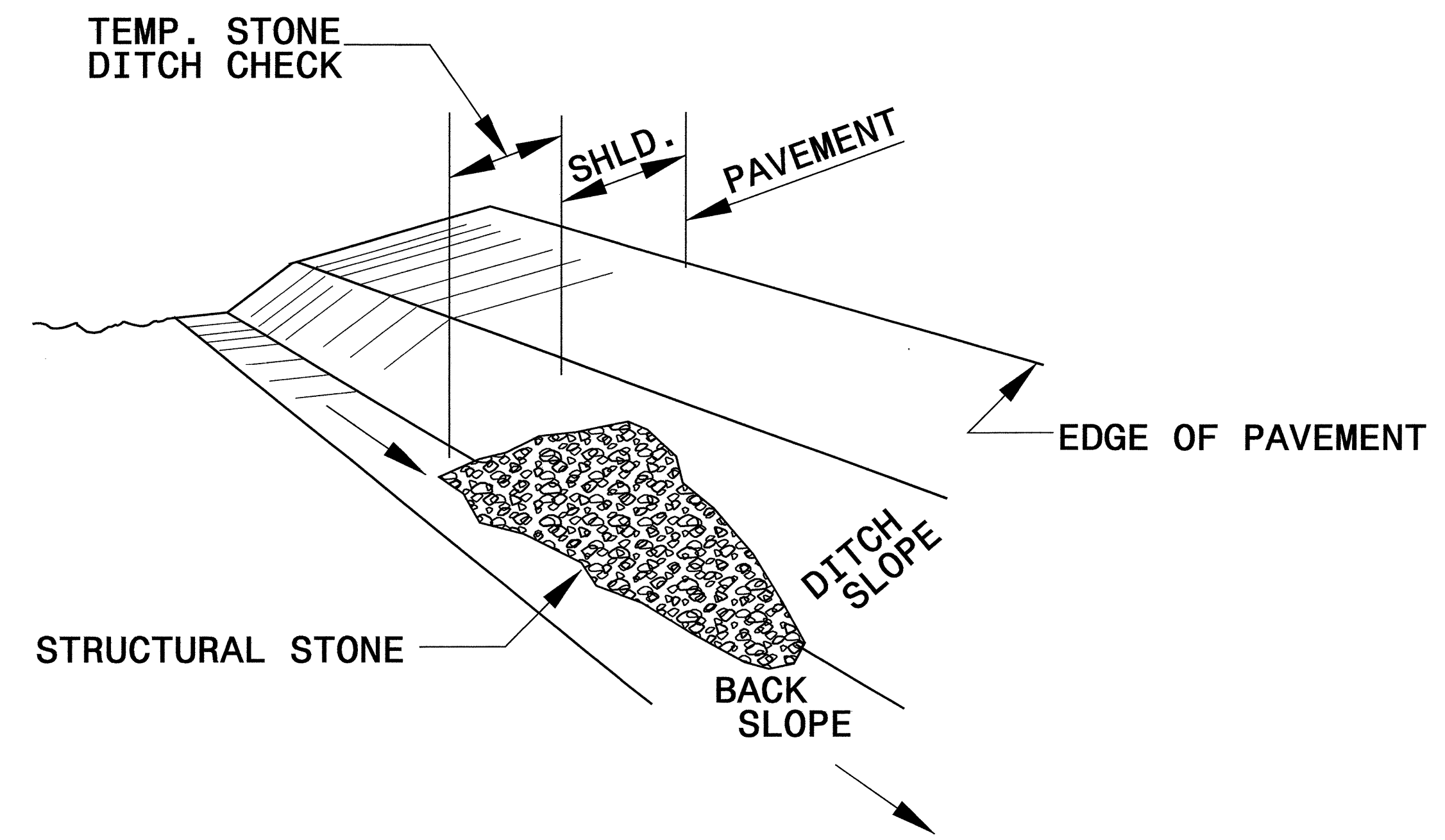


| | |
|----------------------------------|---------------------|
| PROJECT REFERENCE NO. R-2107B | SHEET NO. EC-2 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

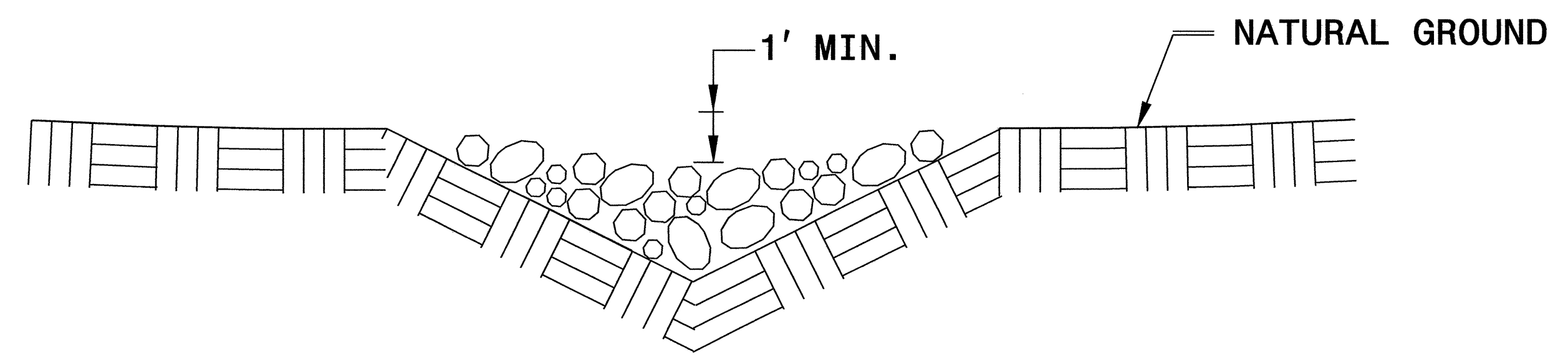


ISOMETRIC VIEW

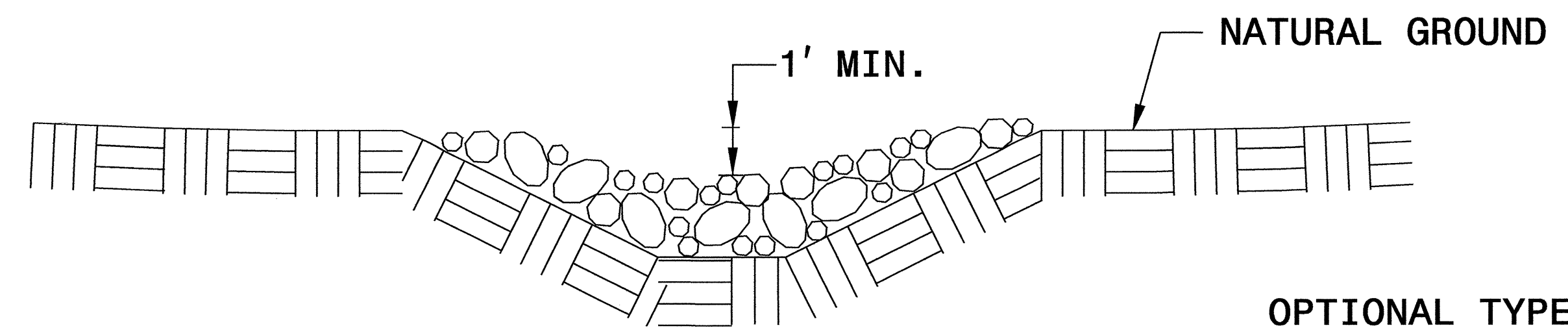
NOTES:

USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

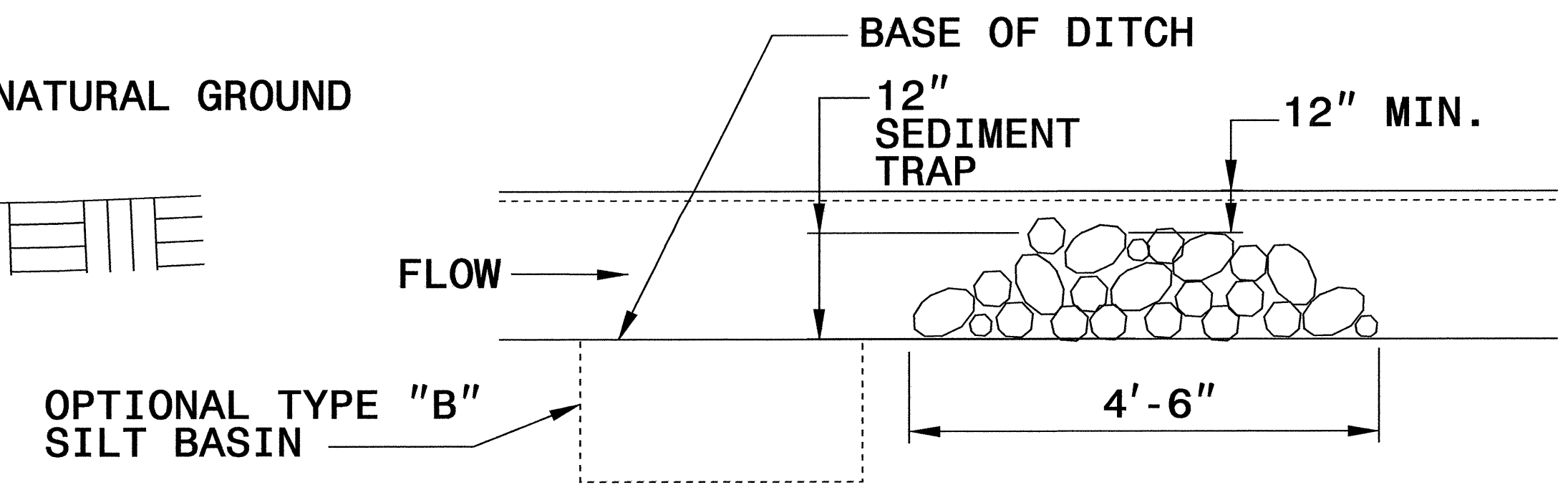
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



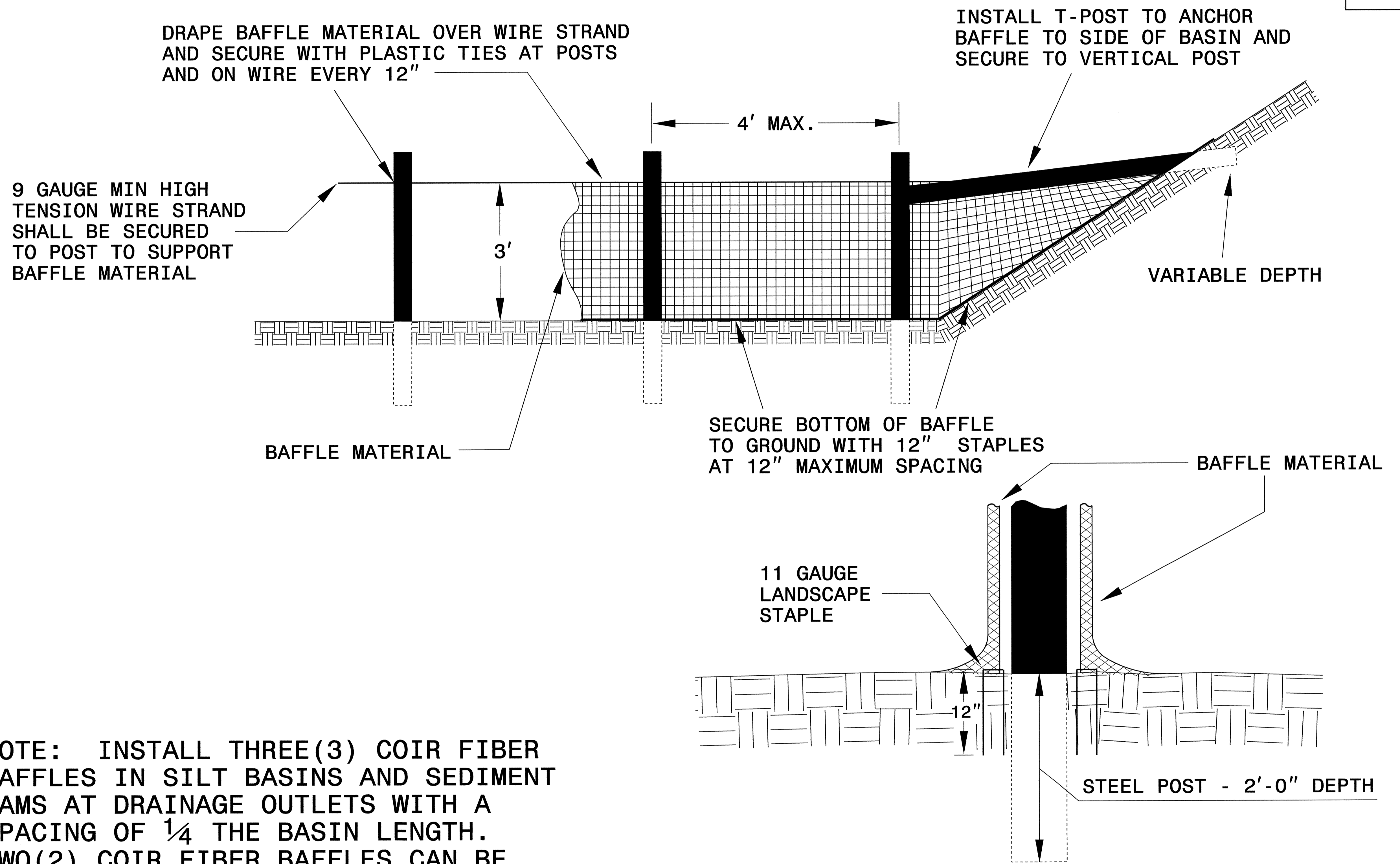
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

| | |
|----------------------------------|---------------------|
| PROJECT REFERENCE NO. R-2107B | SHEET NO. EC-2A |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

COIR FIBER BAFFLE DETAIL

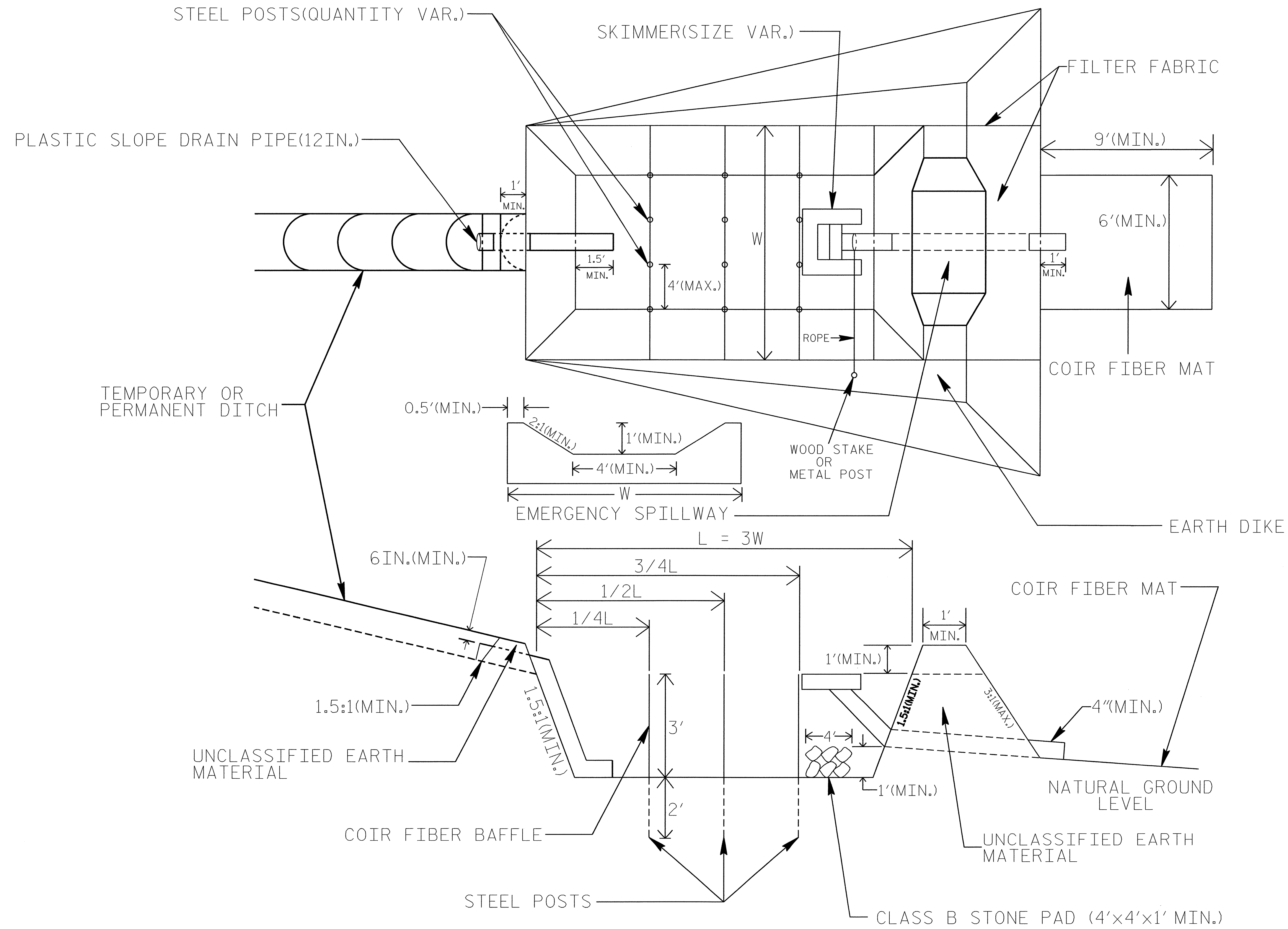


NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF $\frac{1}{4}$ THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF $\frac{1}{3}$ THE BASIN LENGTH.

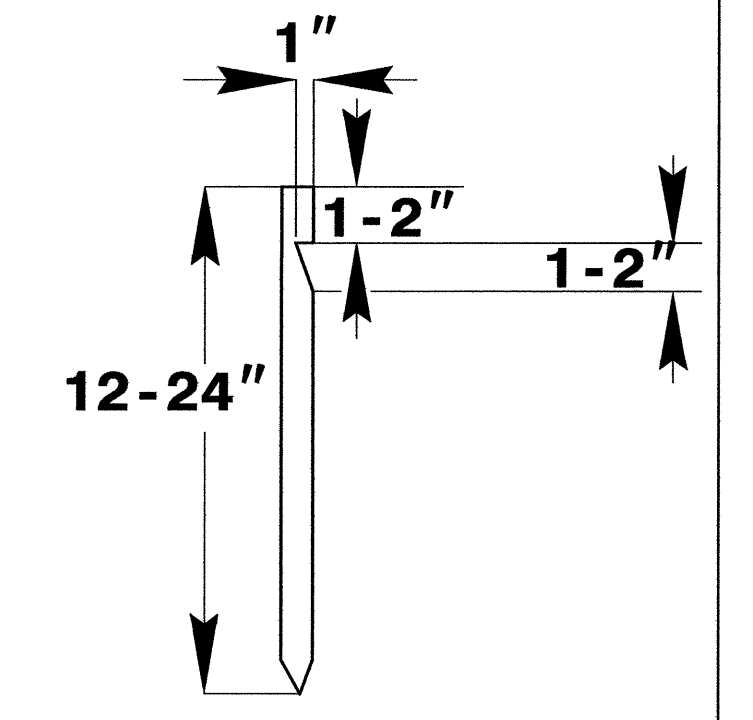
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

SKIMMER BASIN WITH BAFFLES DETAIL

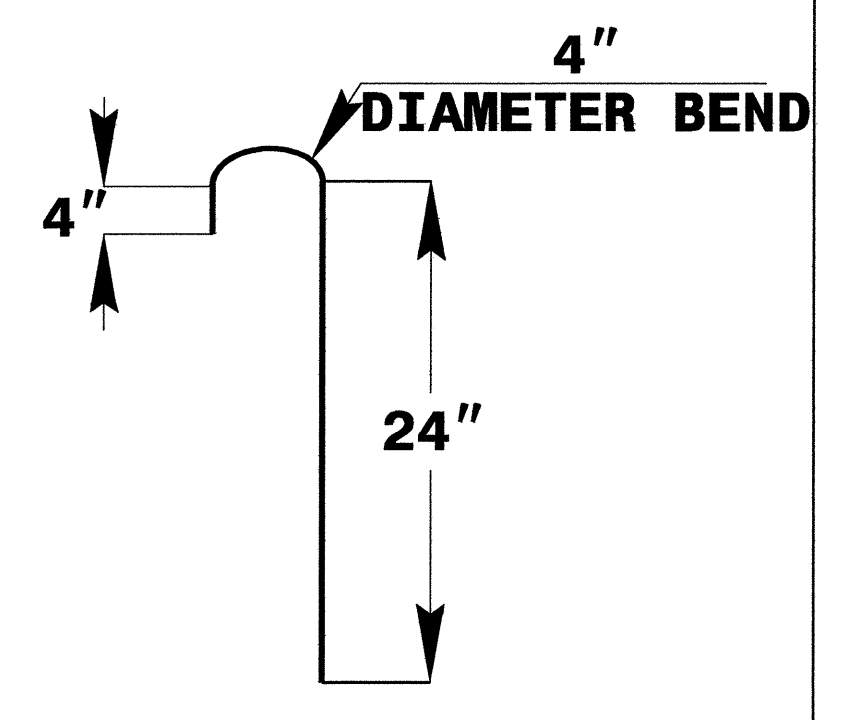
| | |
|----------------------------------|---------------------|
| PROJECT REFERENCE NO. R-2107B | SHEET NO. EC-2B |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |



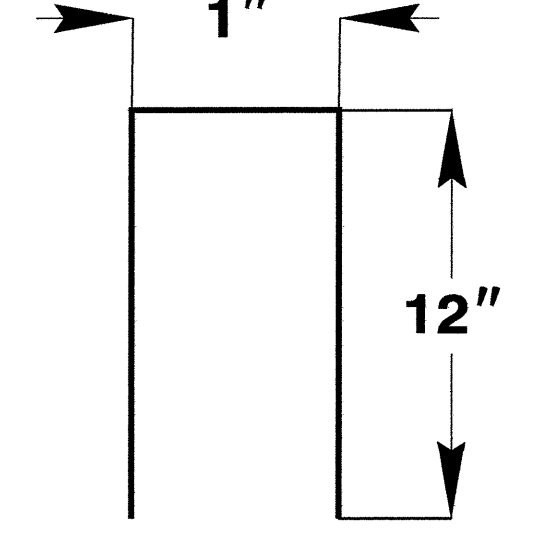
2" x 2" (nominal) WOODEN STAKE



#10 STEEL REINFORCEMENT BAR



1" (nominal) STAPLE



COIR FIBER MAT ANCHOR OPTIONS

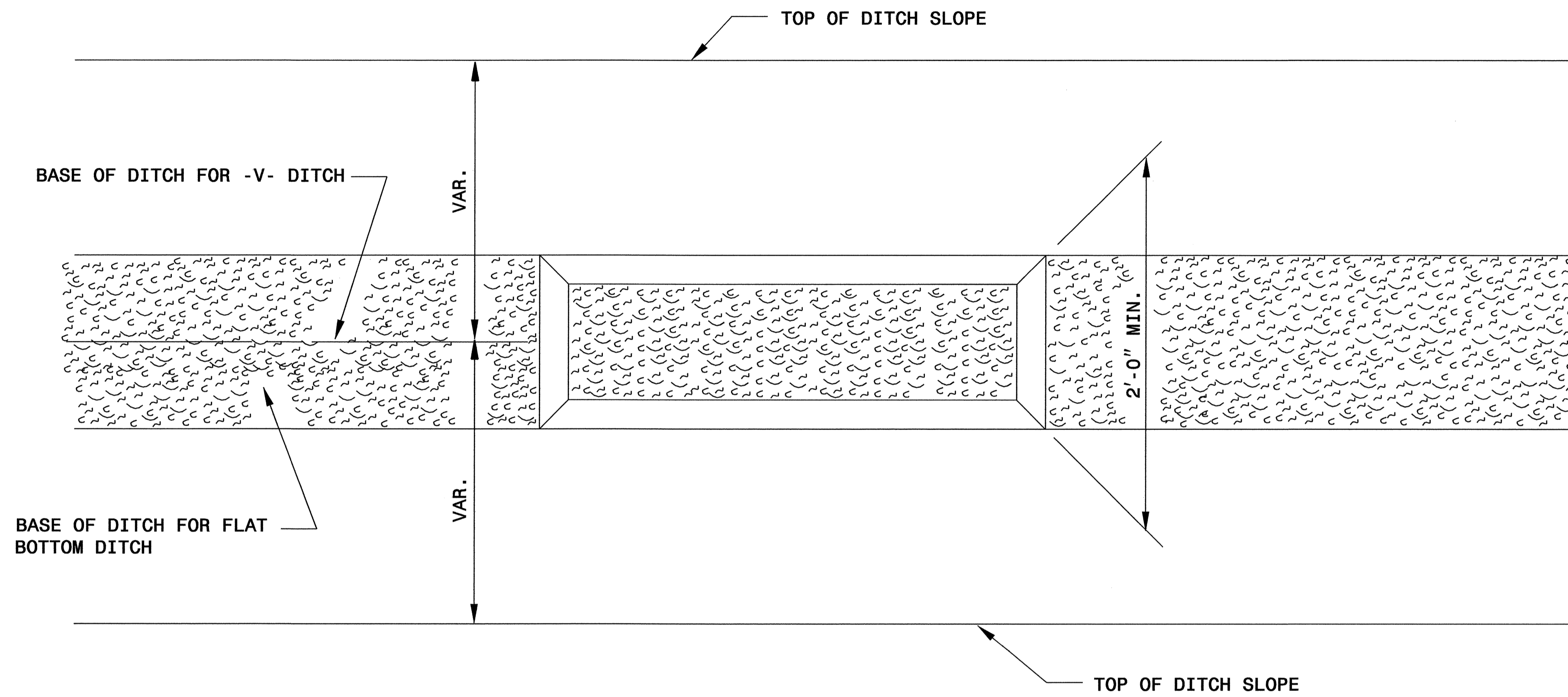
NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE EMERGENCY SPILLWAY LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.

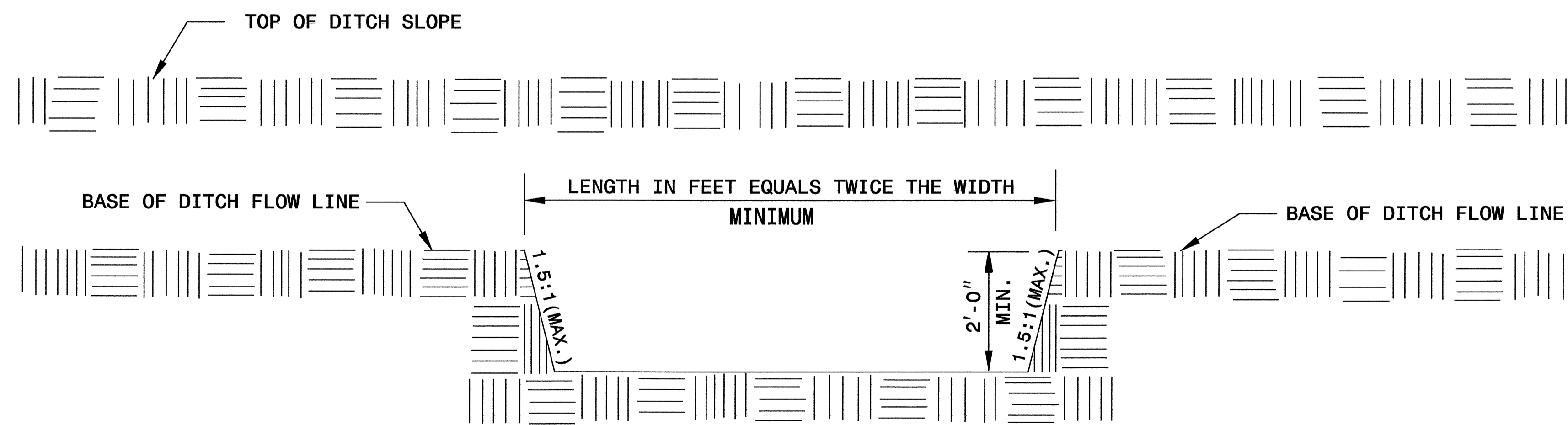
NOT TO SCALE

| | |
|-------------------------|---------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-2107B | EC-2D |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

SILT BASIN 'B' DETAIL



PLAN

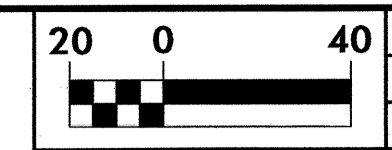
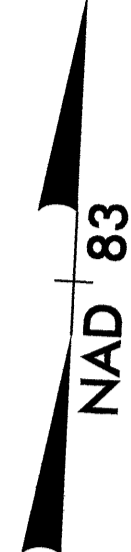


ELEVATION

8/17/99

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4A

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

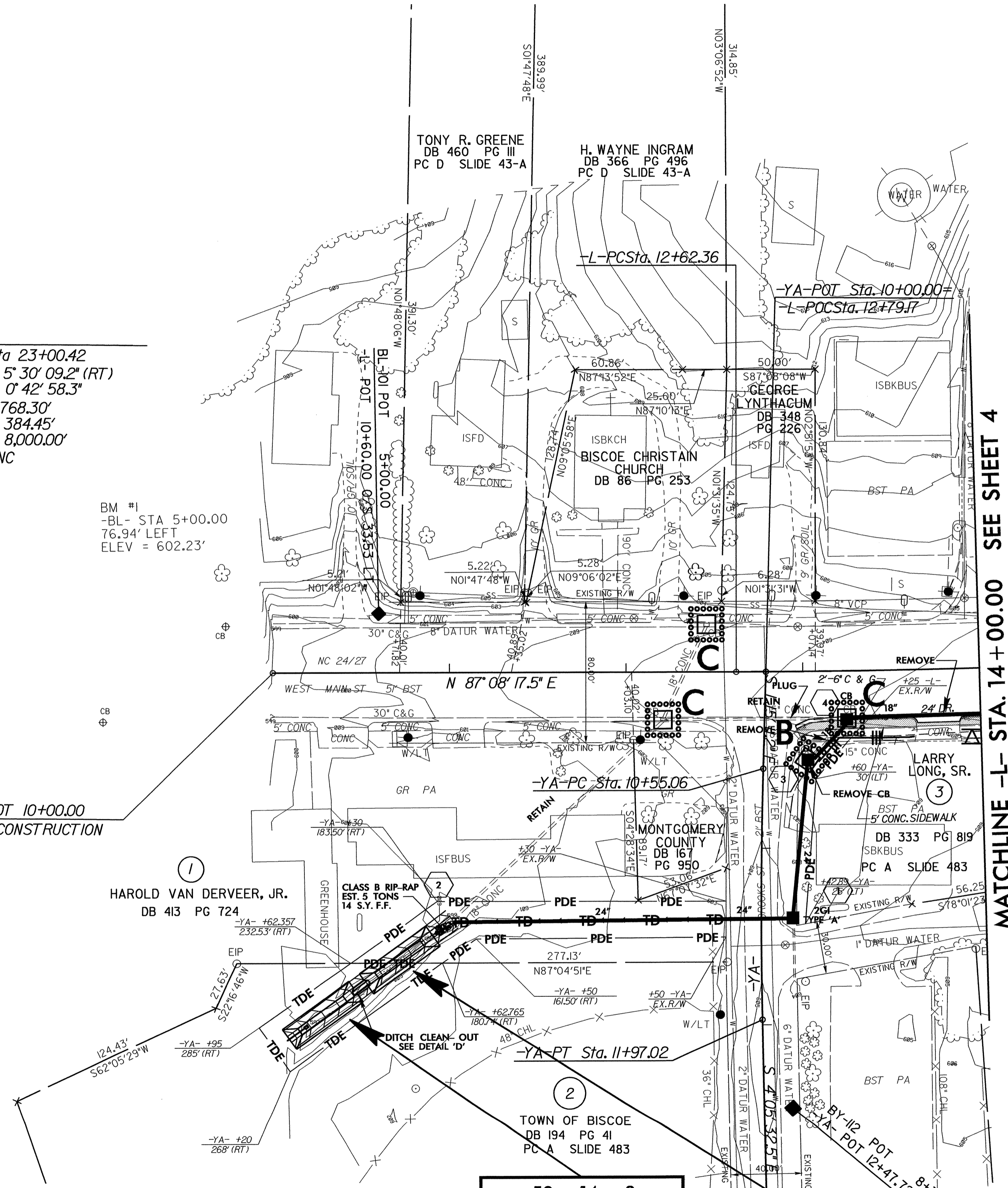


| | | | |
|----------------------------------|--|----------------------------|--|
| PROJECT REFERENCE NO. R-2107B | | SHEET NO. EC-4/CONST.4A | |
| ROADWAY DESIGN ENGINEER | | HYDRAULICS ENGINEER | |

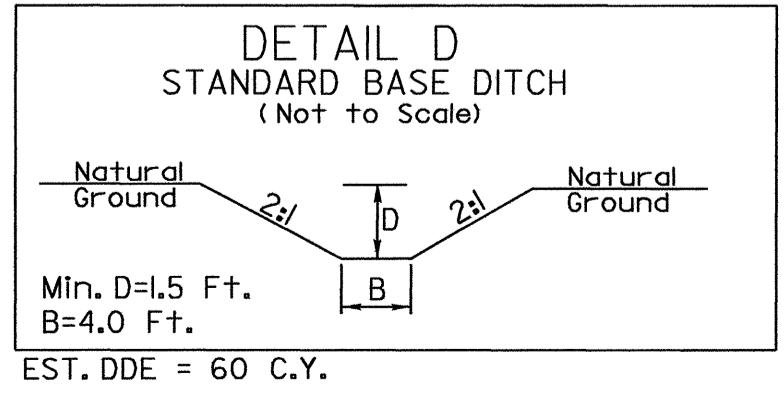
-L-
 PI Sta 13+71.88 PI Sta 23+00.42
 $\Delta = 2' 30' 34.4''$ (LT) $\Delta = 5' 30' 09.2''$ (RT)
 $D = 1' 08' 45.3''$ $D = 0' 42' 58.3''$
 $L = 219.00'$ $L = 768.30'$
 $T = 109.52'$ $T = 384.45'$
 $R = 5,000.00'$ $R = 8,000.00'$
 $e = \text{EXIST.}$ $e = \text{NC}$

BM #1
 -BL- STA 5+00.00
 76.94' LEFT
 ELEV = 602.23'

-L- POT 10+00.00
 BEGIN CONSTRUCTION



MATCHLINE -L- STA. 14 + 00.00 SEE SHEET 4



50 x 14 x 3
 1.5 inch Skimmer
 with 1.0 inch
 Orifice Diameter
 6 ft. weir
 (See Tiered Skimmer
 Basin Detail)
 ID 4A.1F

Modified Silt Basin
 Type 'B'
 50 x 14 x 3
 (See Tiered Skimmer
 Basin Detail)
 ID 4A.1F

31-AUG-2008 10:41
 g:\projects\2107b\environmental\design\2107b.ec-psh04a.dgn
 hennferrari

8/17/99

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.

PROJECT REFERENCE NO.
R-2107B

SHEET NO.
EC-5/CONST.4

R/W SHEET NO.

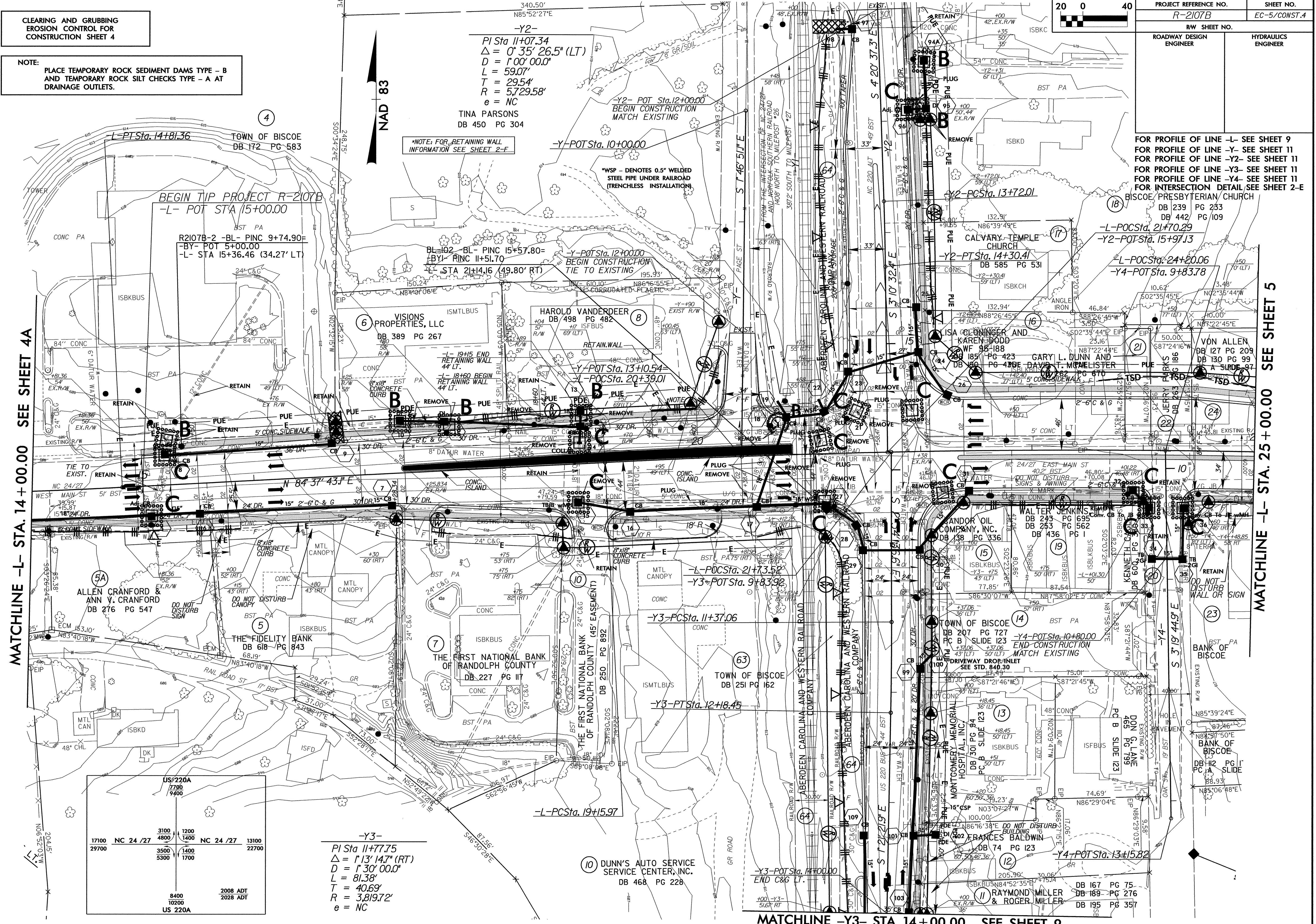
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

FOR PROFILE OF LINE -L- SEE SHEET 9
FOR PROFILE OF LINE -Y2- SEE SHEET 11
FOR PROFILE OF LINE -Y3- SEE SHEET 11
FOR PROFILE OF LINE -Y4- SEE SHEET 11
FOR INTERSECTION DETAIL SEE SHEET 2-E

MATCHLINE -L- STA. 14+00.00 SEE SHEET 4A

MATCHLINE -L- STA. 25+00.00 SEE SHEET 5



-Y2-
PI Sta 11+07.34
 $\Delta = 0^{\circ} 35' 26.5''$ (LT)
 $D = 1^{\circ} 00' 00.0''$
 $L = 59.07'$
 $T = 29.54'$
 $R = 5,729.58'$
 $e = NC$
TINA PARSONS
DB 450 PG 304

*NOTE: FOR RETAINING WALL
INFORMATION SEE SHEET 2-F

*WSP - DENOTES 0.5" WELDED
STEEL PIPE UNDER RAILROAD
(TRENCHLESS INSTALLATION)

US 220A
7700
9400

| | | | | |
|-------|------------|------|------|-------|
| 17100 | NC 24 / 27 | 3100 | 1200 | 13100 |
| 29700 | | 4800 | 1400 | 22700 |
| | | 3500 | 1400 | |
| | | 5300 | 1700 | |

8400
10200
US 220A

2008 ADT
2028 ADT

-Y3-
PI Sta 11+77.75
 $\Delta = 1^{\circ} 13' 14.7''$ (RT)
 $D = 1^{\circ} 30' 00.0''$
 $L = 81.38'$
 $T = 40.69'$
 $R = 3,819.72'$
 $e = NC$

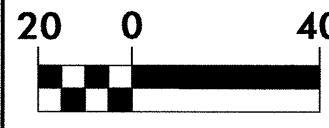
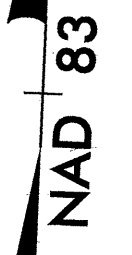
10 DUNN'S AUTO SERVICE
SERVICE CENTER, INC.
DB 468 PG 228

MATCHLINE -Y3- STA. 14+00.00 SEE SHEET 9

03-SEP-2008 09:30
g:\tiprojects\ec-5\environmental\design\2107b_ec_psh04.dgn
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.

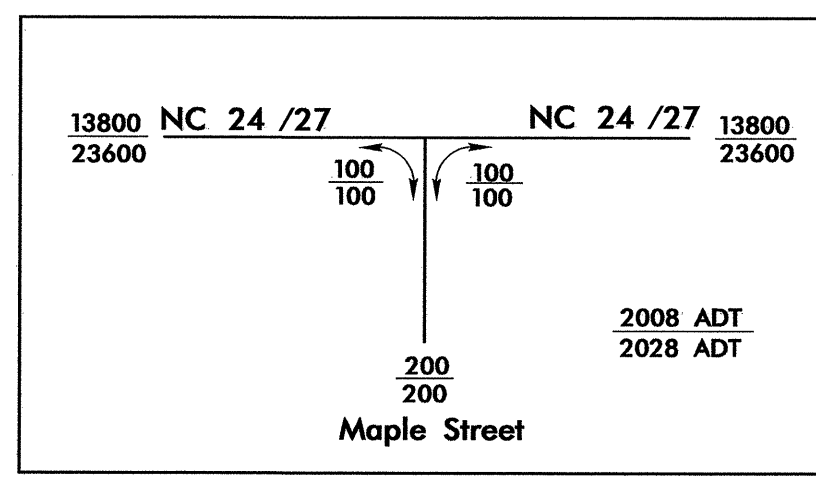
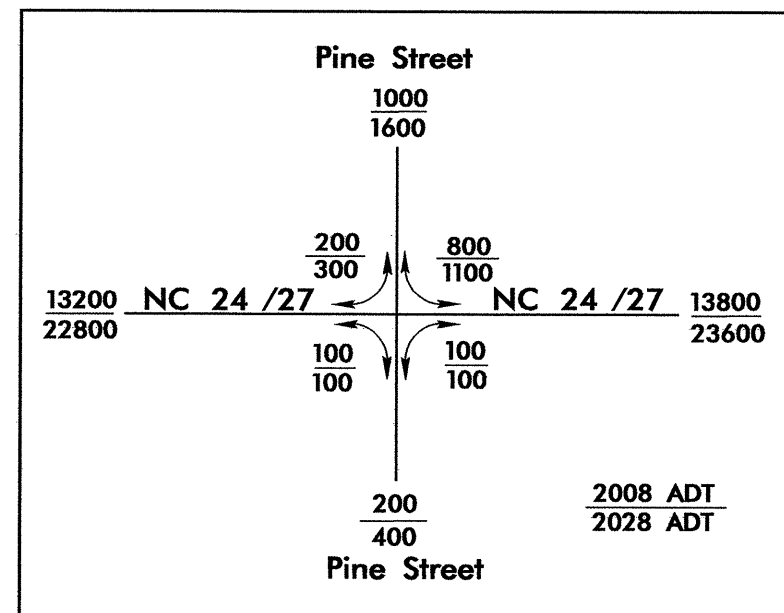
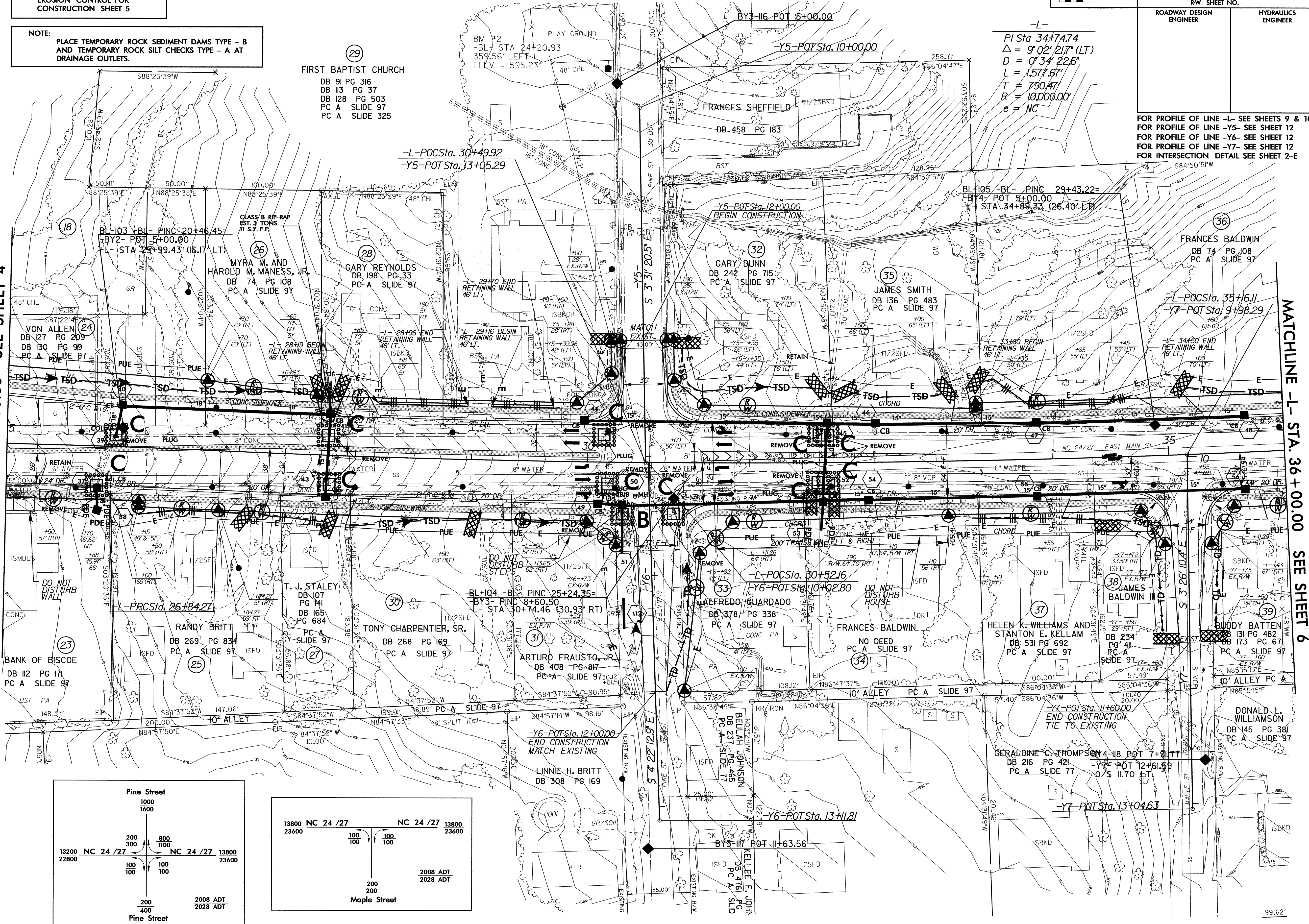


| | |
|-------------------------|---------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-2107B | EC-6/CONST.5 |
| R/W SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

FOR PROFILE OF LINE -L- SEE SHEETS 9 & 10
FOR PROFILE OF LINE -Y5- SEE SHEET 12
FOR PROFILE OF LINE -Y6- SEE SHEET 12
FOR PROFILE OF LINE -Y7- SEE SHEET 12
FOR INTERSECTION DETAIL SEE SHEET 2-E

MATCHLINE -L- STA. 25 + 00.00 SEE SHEET 4

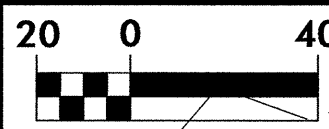
MATCHLINE -L- STA. 36 + 00.00 SEE SHEET 6



8/17/99

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

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

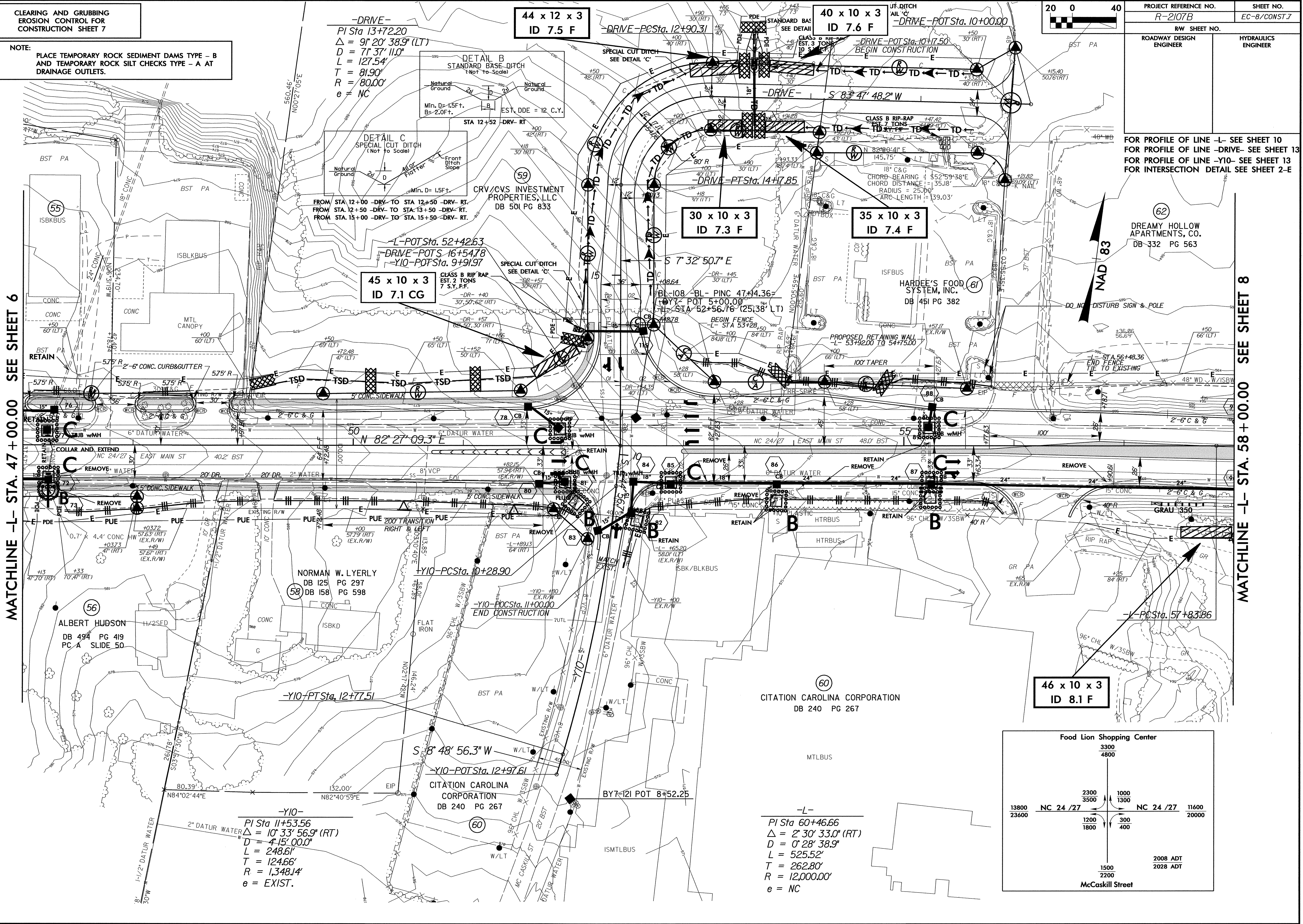


| | |
|----------------------------------|---------------------------|
| PROJECT REFERENCE NO. R-2107B | SHEET NO. EC-8/CONST.7 |
| RW SHEET NO. | HYDRAULICS ENGINEER |

ROADWAY DESIGN ENGINEER

MATCHLINE -L- STA. 47+00.00 SEE SHEET 6

MATCHLINE -L- STA. 58+00.00 SEE SHEET 8



FOR PROFILE OF LINE -L- SEE SHEET 10
FOR PROFILE OF LINE -DRIVE- SEE SHEET 13
FOR PROFILE OF LINE -Y10- SEE SHEET 13
FOR INTERSECTION DETAIL SEE SHEET 2-E

DREAMY HOLLOW APARTMENTS, CO.
DB 332 PG 563

HARDEE'S FOOD SYSTEM, INC.
DB 451 PG 382

45 x 10 x 3
ID 7.1 CG

30 x 10 x 3
ID 7.3 F

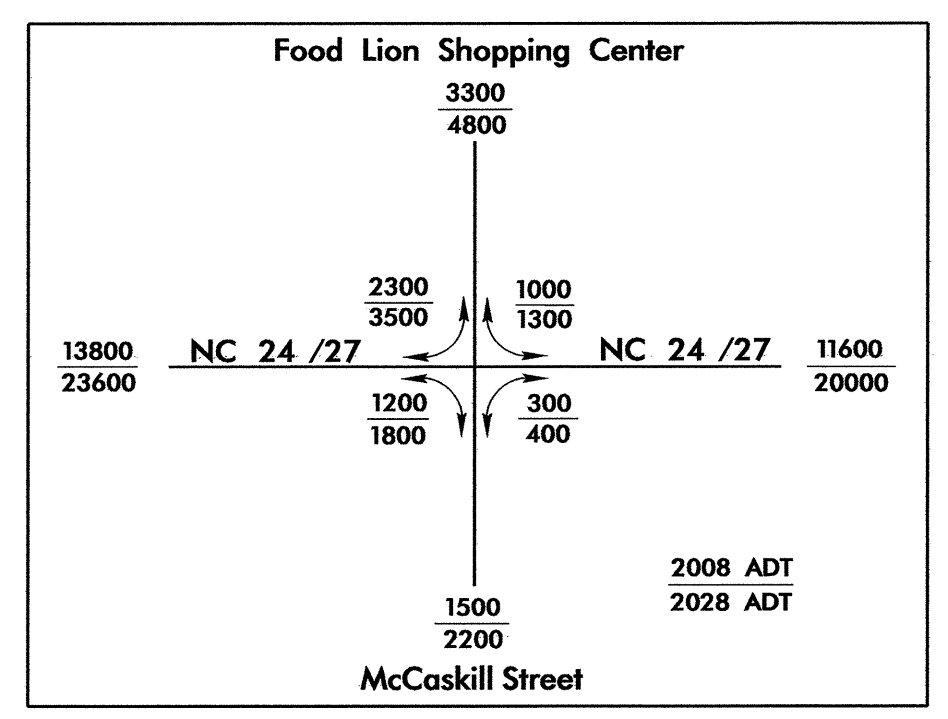
35 x 10 x 3
ID 7.4 F

46 x 10 x 3
ID 8.1 F

CITATION CAROLINA CORPORATION
DB 240 PG 267

-Y10-
PI Sta 11+53.56
 $\Delta = 10' 33' 56.9''$ (RT)
D = 4-15' 00.0"
L = 248.61'
T = 124.66'
R = 1,348.14'
e = EXIST.

-L-
PI Sta 60+46.66
 $\Delta = 2' 30' 33.0''$ (RT)
D = 0' 28' 38.9"
L = 525.52'
T = 262.80'
R = 12,000.00'
e = NC



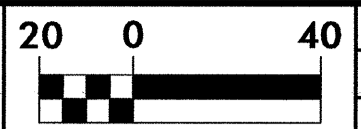
05-SEP-2008 15:07
9:11:00
c:\projects\2107b\env\1\environmental\design\2107b.ec-ps107.dgn
11/24/2005

8/17/99

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

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

RP, INC.
CG 528



PROJECT REFERENCE NO. R-2107B SHEET NO. EC-9/CONST.8

RW SHEET NO. ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

| | |
|---|---|
| $PI Sta 60+46.66$ $\Delta = 2' 30' 33.0" (RT)$ $D = 0' 28' 38.9"$ $L = 525.52'$ $T = 262.80'$ $R = 12,000.00'$ $e = NC$ | $PI Sta 67+31.41$ $\Delta = 16' 45' 39.0" (RT)$ $D = 2' 00' 00.0"$ $L = 838.04'$ $T = 422.04'$ $R = 2,864.79'$ $e = EXIST.$ |
|---|---|

FOR PROFILE OF LINE -L- SEE SHEET 10
FOR INTERSECTION DETAIL SEE SHEET 2-E

MATCHLINE -L- STA. 58+00.00 SEE SHEET 7

51 x 9 x 3
ID 8.1 CG

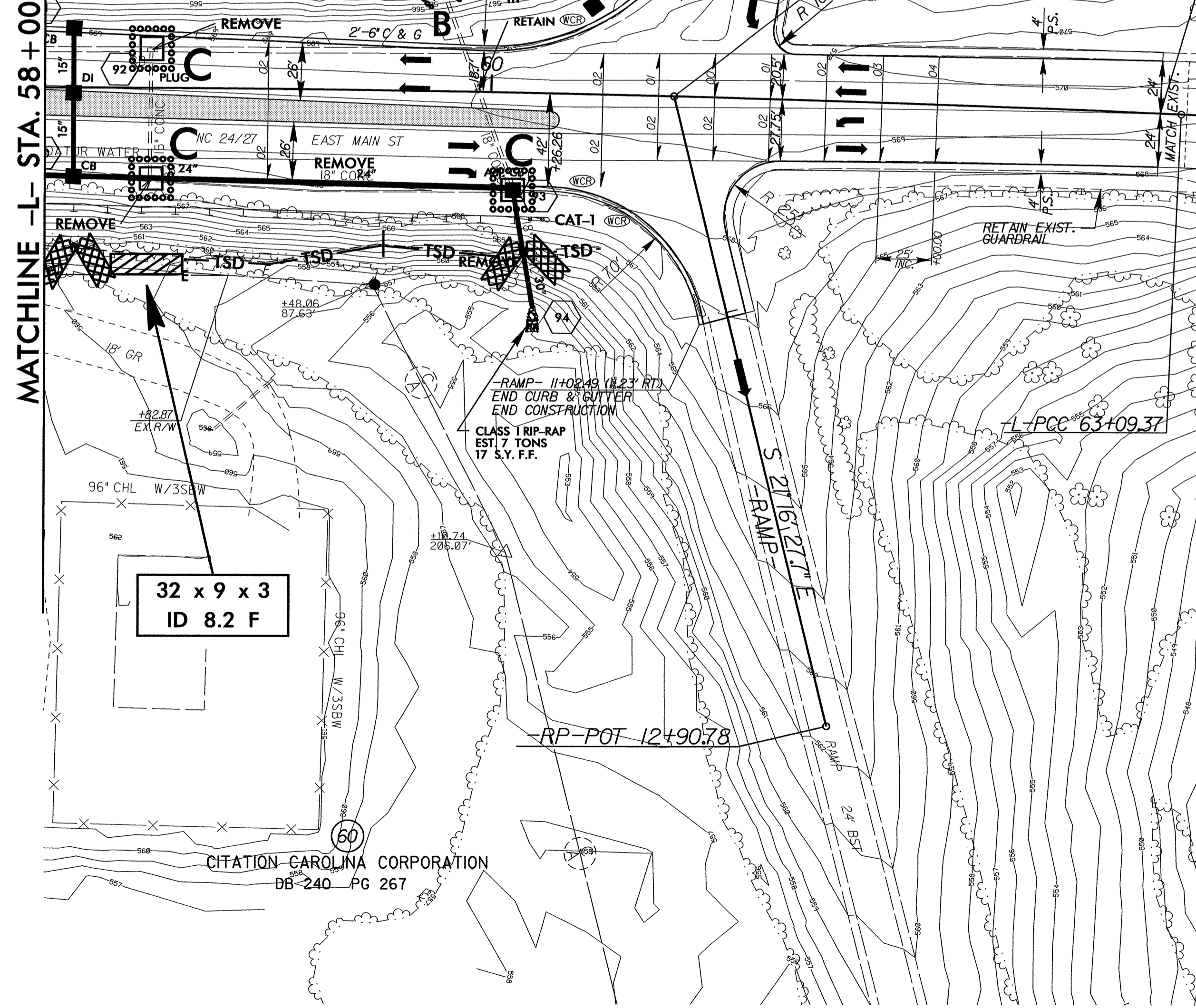
DREAMY HOLLOW APARTMENTS, CO.
DB 332 PG 563

BL-109 PINC 55+03.43
-L- STA 60+44.91 (39.49' LT)

END TIP PROJECT R-2107B
-L- STA 63+00.00

RP POT 10+00.00
POC 60+81.91

BL-110 PINC 62+62.41
-L- STA 67+98.30 (34.25' LT)

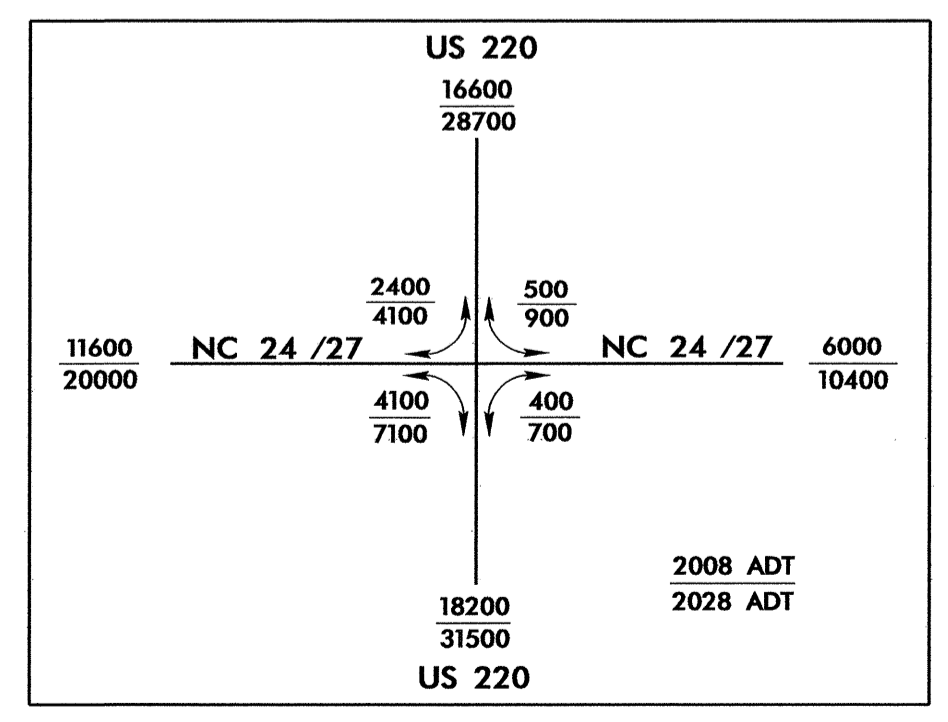


32 x 9 x 3
ID 8.2 F

CITATION CAROLINA CORPORATION
DB-240 PG 267

-L- PCC 63+09.37

RP POT 12+90.78



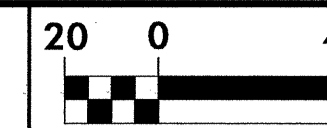
BOBBY H. MYRICK
DB 485 PG 356
PC D / SLIDE 127-C

05-SEP-2008 15:09
9:21:10 p.m. \\ecssr-r-2107b\env\j\c\mental\des\gn\r-2107b.ec_psh08.dgn
11/11/2008 11:11:10 AM

8/17/99

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

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



PROJECT REFERENCE NO. SHEET NO.

R-2107B

EC-10/CONST.9

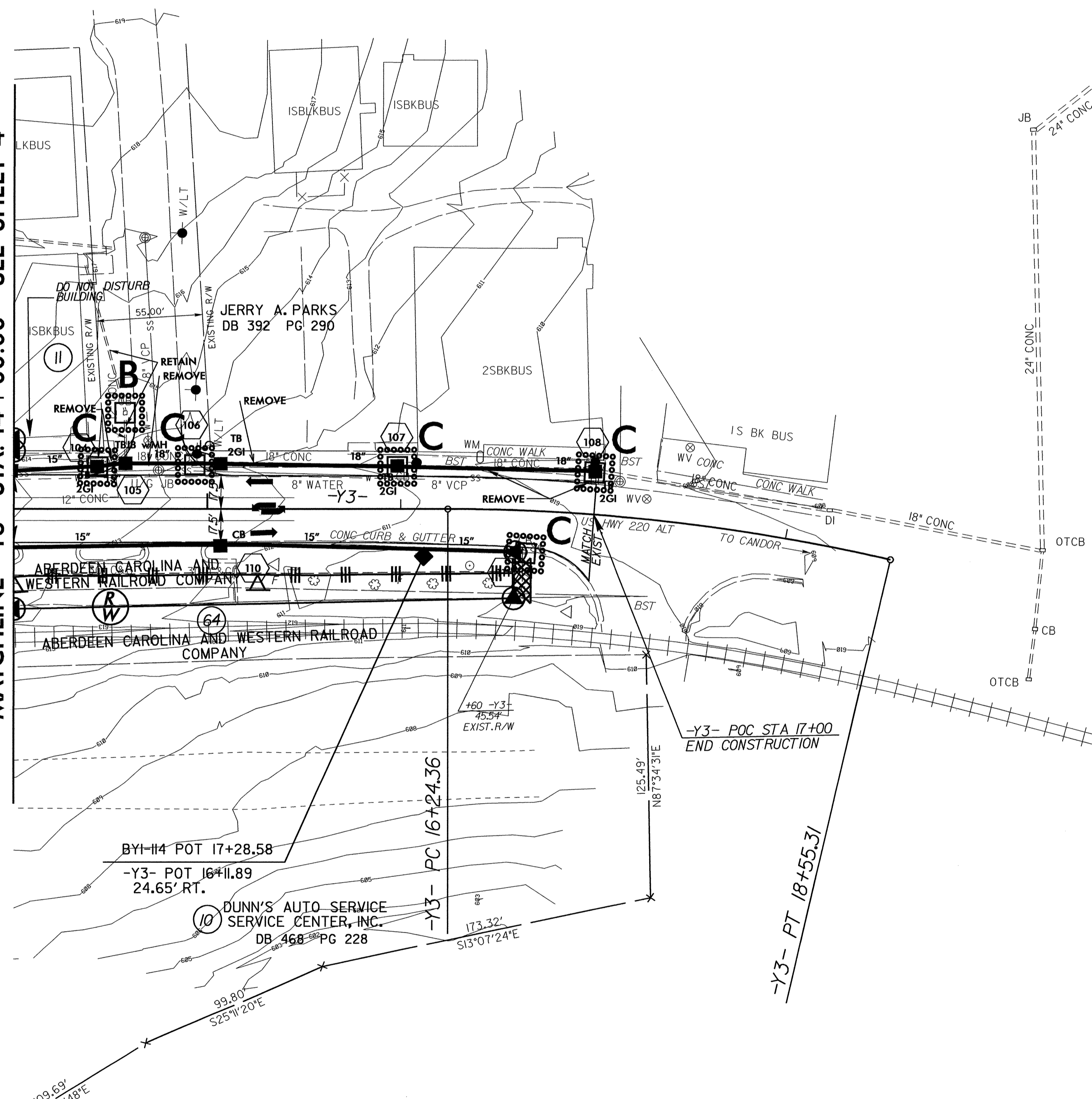
R/W SHEET NO.

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

NAD 83

MATCHLINE -Y3- STA. 14+00.00 SEE SHEET 4



-Y3-
PI Sta 17+40.35
D = 13' 13' 57.6" (RT)
D = 5' 43' 46.5"
L = 230.95'
T = 115.99'
R = 1,000.00'
e = EXIST.

CB
□

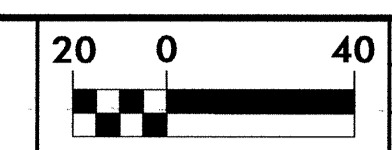
CURB
○
610.42'

CURB
○
613.31'

03-SEP-2008 09:27
g:\tippro\projects\2107b\env\documental\design\2107b-ec-ps\sh09.dgn
10/17/99

8/17/99

NAD 83



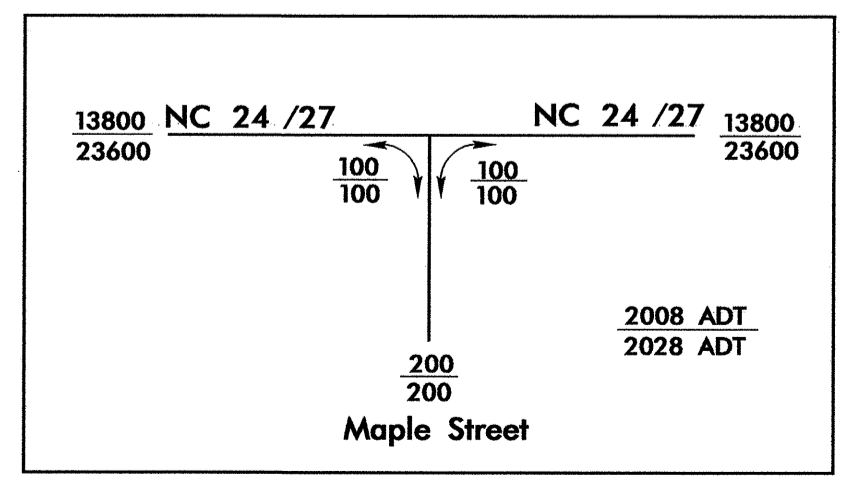
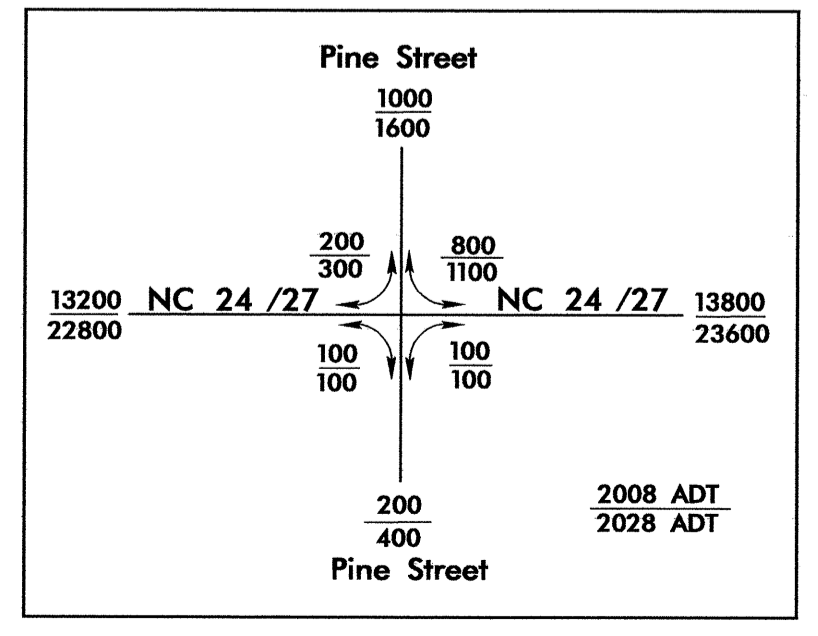
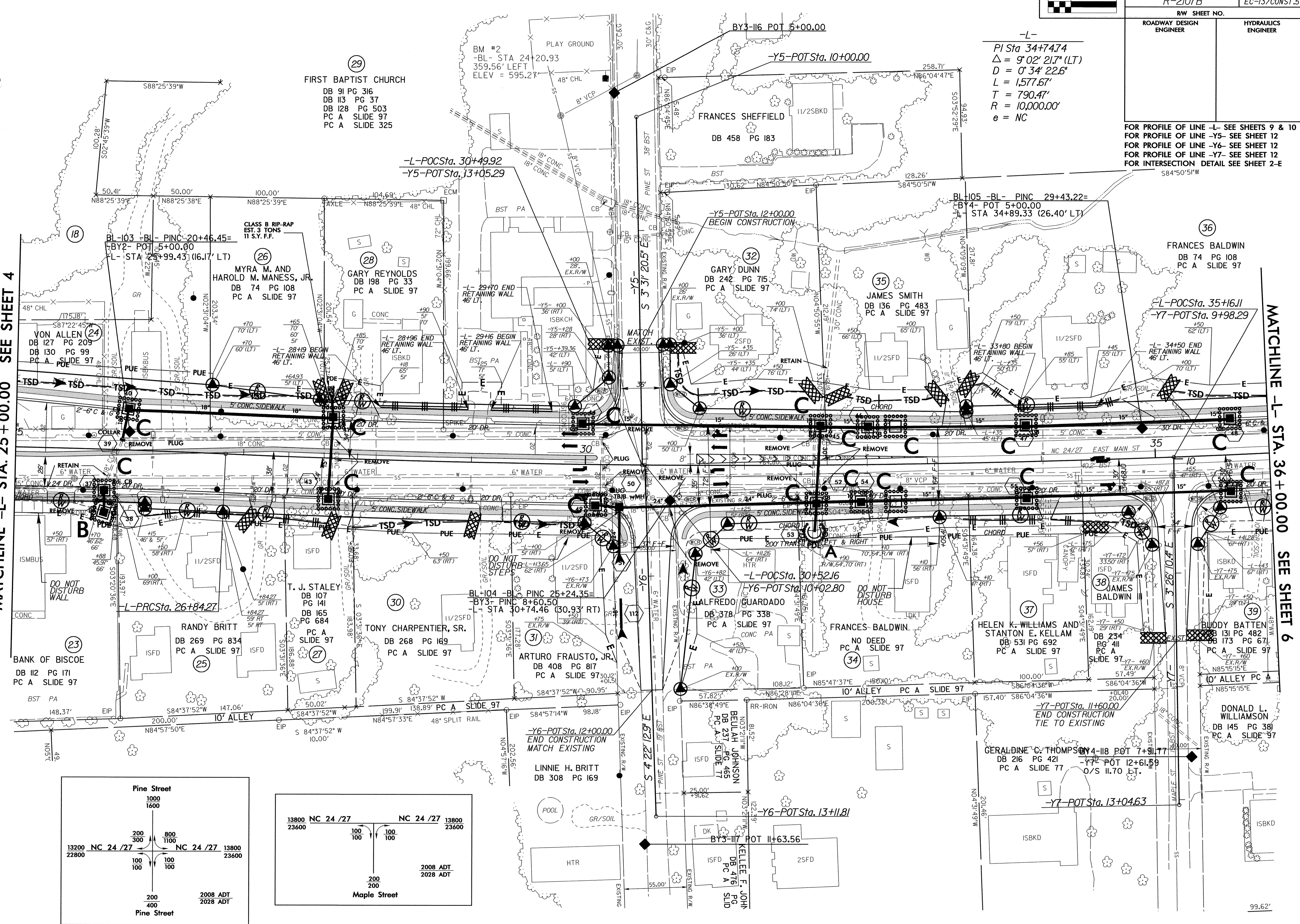
| | |
|-------------------------|---------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-2107B | EC-13/CONST.5 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

-L-
 PI Sta 34+74.74
 $\Delta = 9' 02' 21.7''$ (LT)
 $D = 0' 34' 22.6''$
 $L = 1,577.67'$
 $T = 790.47'$
 $R = 10,000.00'$
 $e = NC$

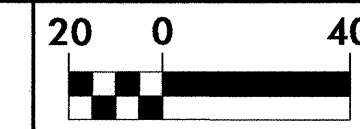
FOR PROFILE OF LINE -L- SEE SHEETS 9 & 10
 FOR PROFILE OF LINE -Y5- SEE SHEET 12
 FOR PROFILE OF LINE -Y6- SEE SHEET 12
 FOR PROFILE OF LINE -Y7- SEE SHEET 12
 FOR INTERSECTION DETAIL SEE SHEET 2-E

MATCHLINE -L- STA. 25 + 00.00 SEE SHEET 4

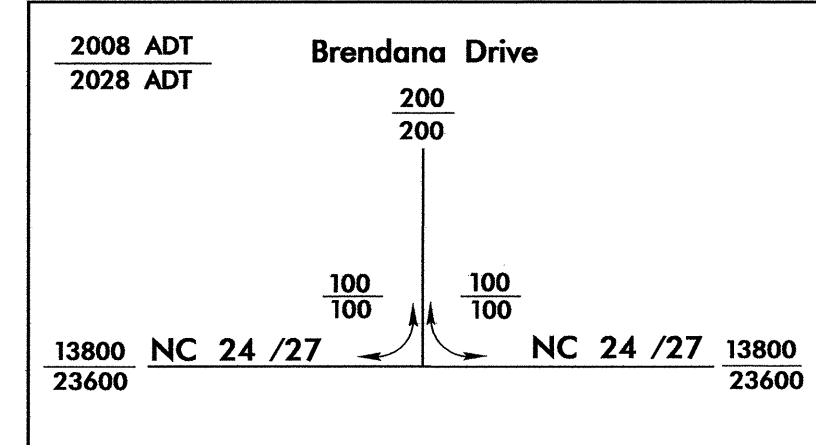
MATCHLINE -L- STA. 36 + 00.00 SEE SHEET 6



04-SEP-2008 13:54
 9:\t\p\o\ec\ss-r\2107b\p\o\ec\ss-r\2107b.ec-ps\05.dgn
 11/22/2008



| | |
|-------------------------|---------------------|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-2107B | EC-14/CONST.6 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |



-L-

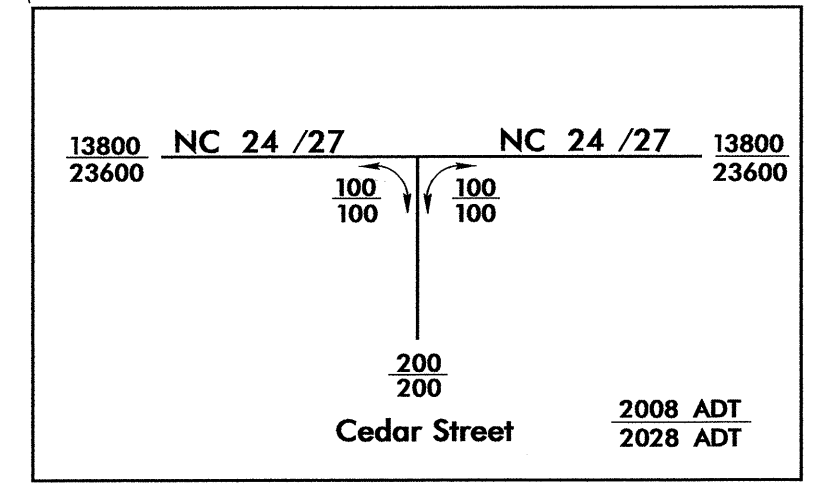
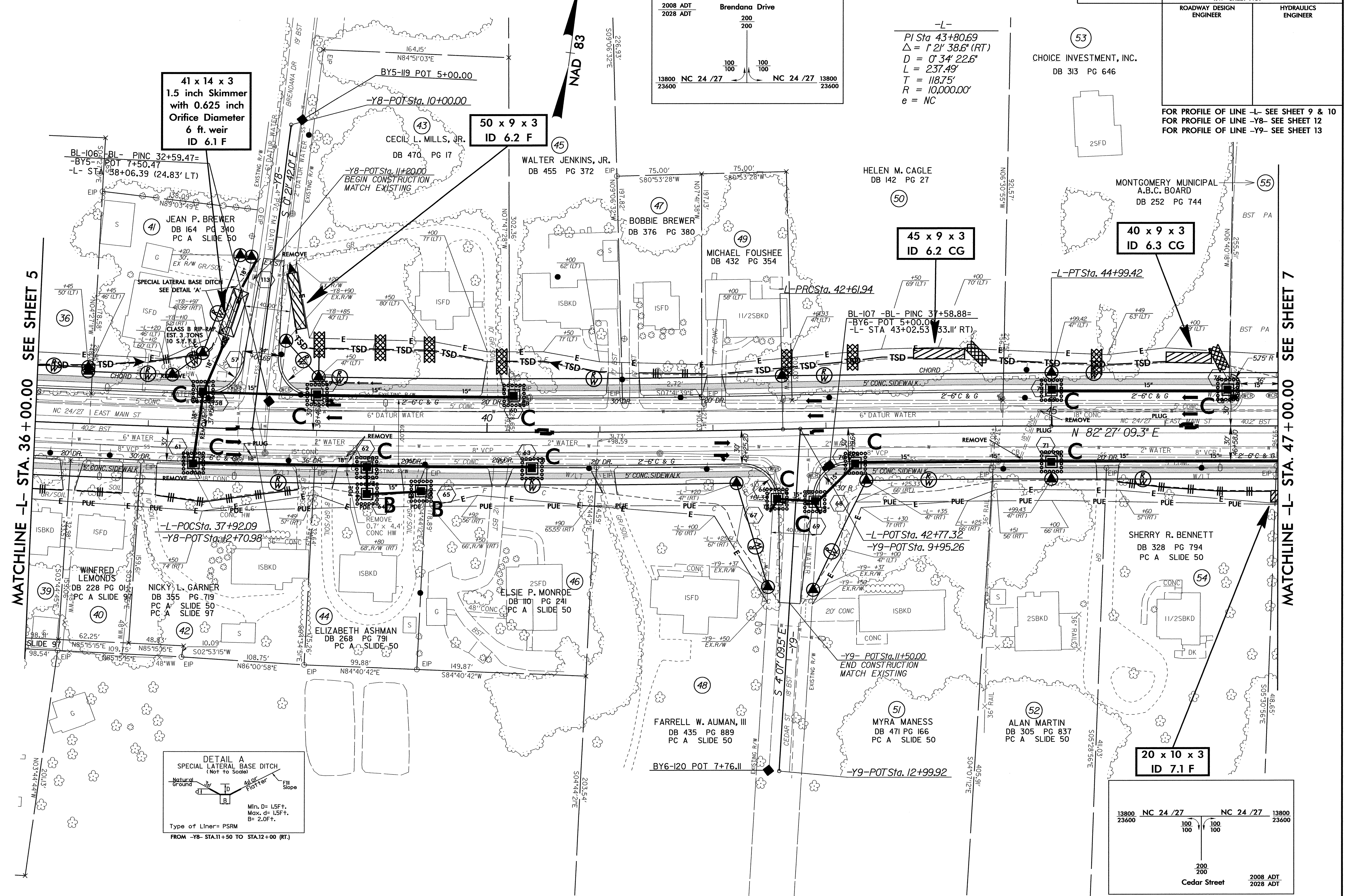
PI Sta 43+80.69
 $\Delta = 1' 21' 38.6" (RT)$
 $D = 0' 34' 22.6"$
 $L = 237.49'$
 $T = 118.75'$
 $R = 10,000.00'$
 $e = NC$

(53)
CHOICE INVESTMENT, INC.
DB 313 PG 646

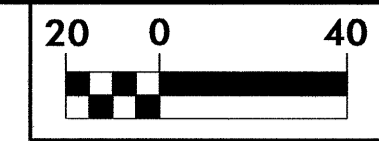
FOR PROFILE OF LINE -L- SEE SHEET 9 & 10
 FOR PROFILE OF LINE -Y8- SEE SHEET 12
 FOR PROFILE OF LINE -Y9- SEE SHEET 13

MATCHLINE -L- STA. 36+00.00 SEE SHEET 5

MATCHLINE -L- STA. 47+00.00 SEE SHEET 7

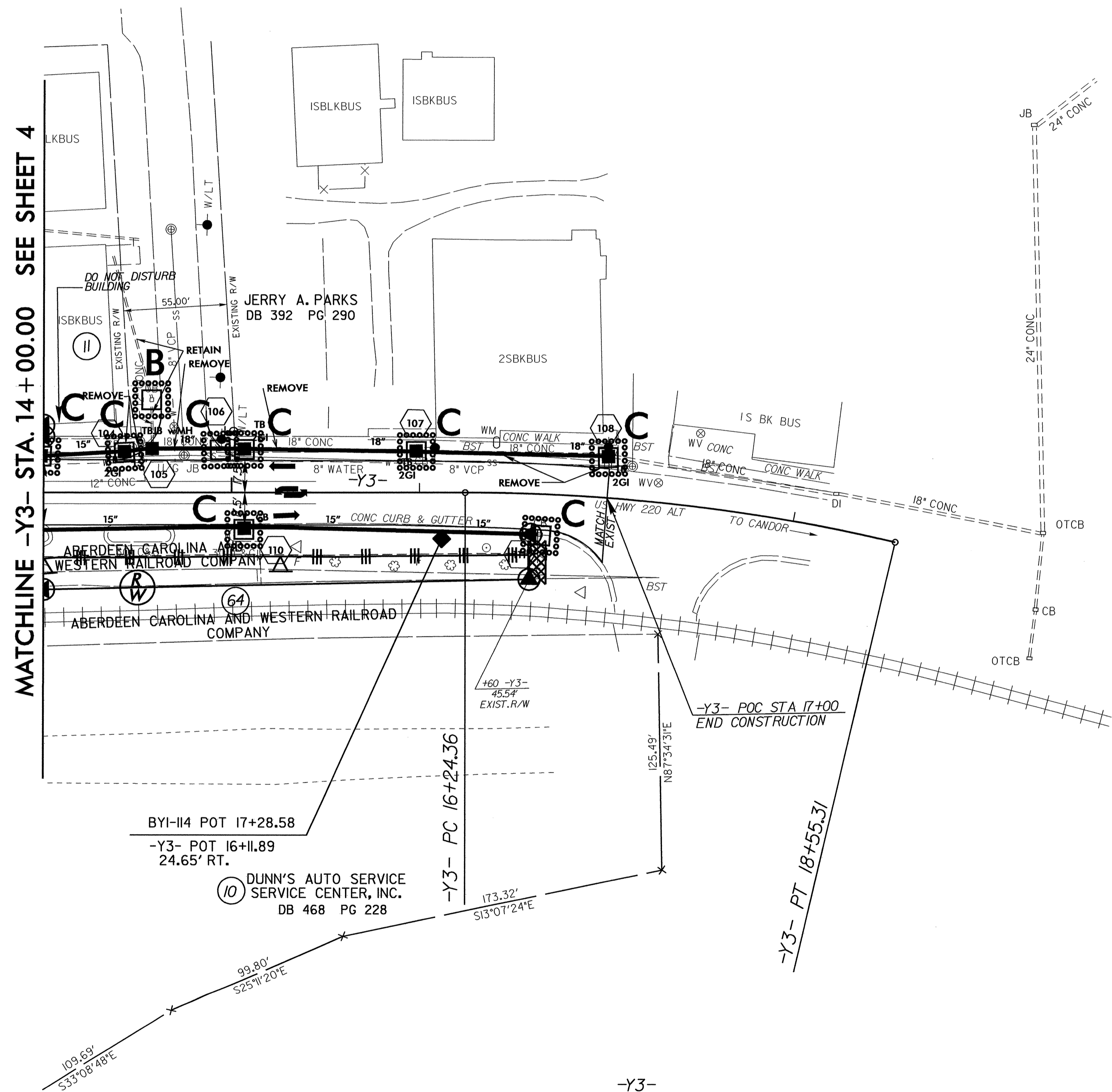
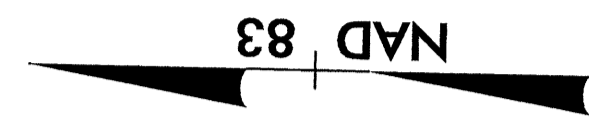


8/17/99



| | | | |
|---|--|-----------------------------------|--|
| PROJECT REFERENCE NO. <i>R-2107B</i> | | SHEET NO. <i>EC-17/CONST.9</i> | |
| RW SHEET NO. | | | |
| ROADWAY DESIGN ENGINEER | | HYDRAULICS ENGINEER | |

MATCHLINE -Y3- STA. 14+00.00 SEE SHEET 4



-Y3-
 PI Sta 17+40.35
 D = 13' 13' 57.6" (RT)
 D = 5' 43' 46.5"
 L = 230.95'
 T = 115.99'
 R = 1,000.00'
 e = EXIST.

03-SEP-2008 09:29
 g:\tippro\projects\R-2107B\env\environmental\design\R-2107b.ec_pah09.dgn
 24.08.03

CURB
610.42'

CB
=

CURB
613.31'