

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	11C.099079	1	11

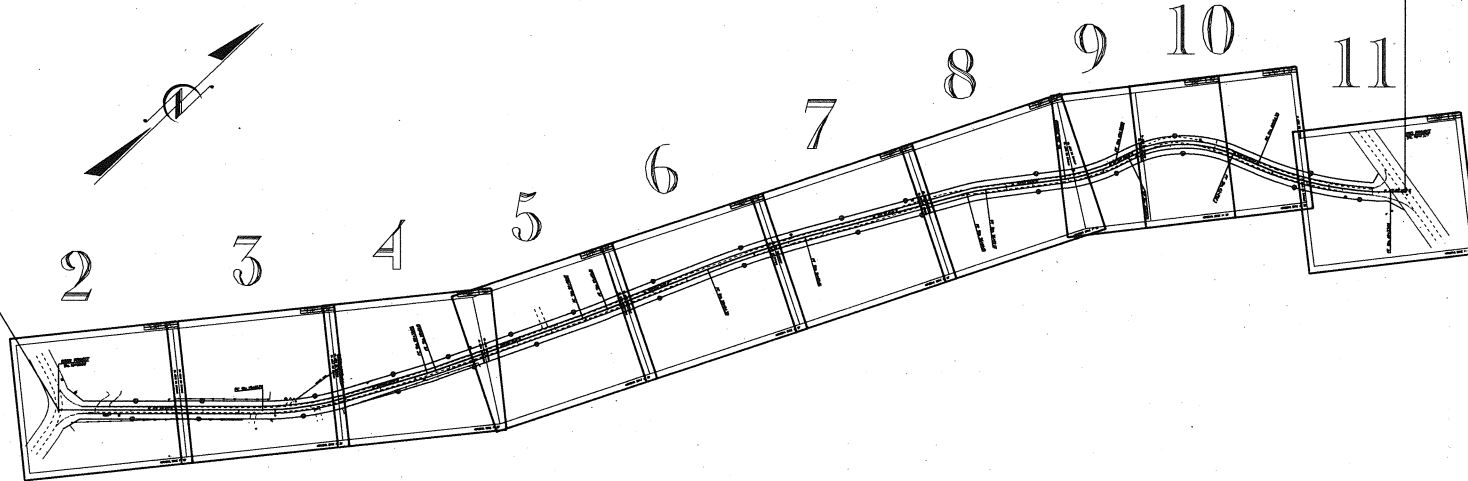
YADKIN COUNTY

**LOCATION: SR 1345A WAGONER ROAD FROM THE INTERSECTION
OF SR 1347 SWAIM CHURCH RD TO THE INTERSECTION OF
SR 1349 ROCK HOUSE MTN. ROAD STA.48+73.77**

TYPE OF WORK: GRADE, DRAIN, BASE, PAVE - 0.73 MILES

BEGIN PROJECT
Sta. 10+00.00

END PROJECT
Sta. 48+73.77



SR 1345A WAGONER ROAD

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG1000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY

SITE DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 20' IN LENGTH
ALL OTHER AREAS FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES

DISCLAIMER

THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS. THE PROPERTY SHOWN ON THIS MAP WAS LOCATED FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION FOR HIGHWAY DESIGN PURPOSES. SOME ERROR MAY EXIST BETWEEN THE GRAPHICAL AND ACTUAL GROUND LOCATIONS OF PROPERTY LINES. THIS MAP IS TO BE USED AS A GRAPHICAL REPRESENTATION OF THE NCDOT'S INTENT TO ACQUIRE PROPERTY FOR RIGHT OF WAY PURPOSES, AND IN NO WAY REPRESENTS AN ACTUAL BOUNDARY SURVEY OF THIS PROPERTY.

GRAPHIC SCALES

DESIGN DATA

PROJECT LENGTH

0.73 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS
DIVISION 11, DISTRICT 1, ELKIN
P.O. BOX 558 ELKIN, NC 28621

RIGHT OF WAY DATE:
DECEMBER 08 2008

LETTING DATE:

M.A. PETTYJOHN, P.E.
DIVISION ENGINEER

B.W. WHITAKER, P.E.
DISTRICT ENGINEER

DIVISION ENGINEER

SIGNATURE: _____ P.E.

DISTRICT ENGINEER

SIGNATURE: _____ P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

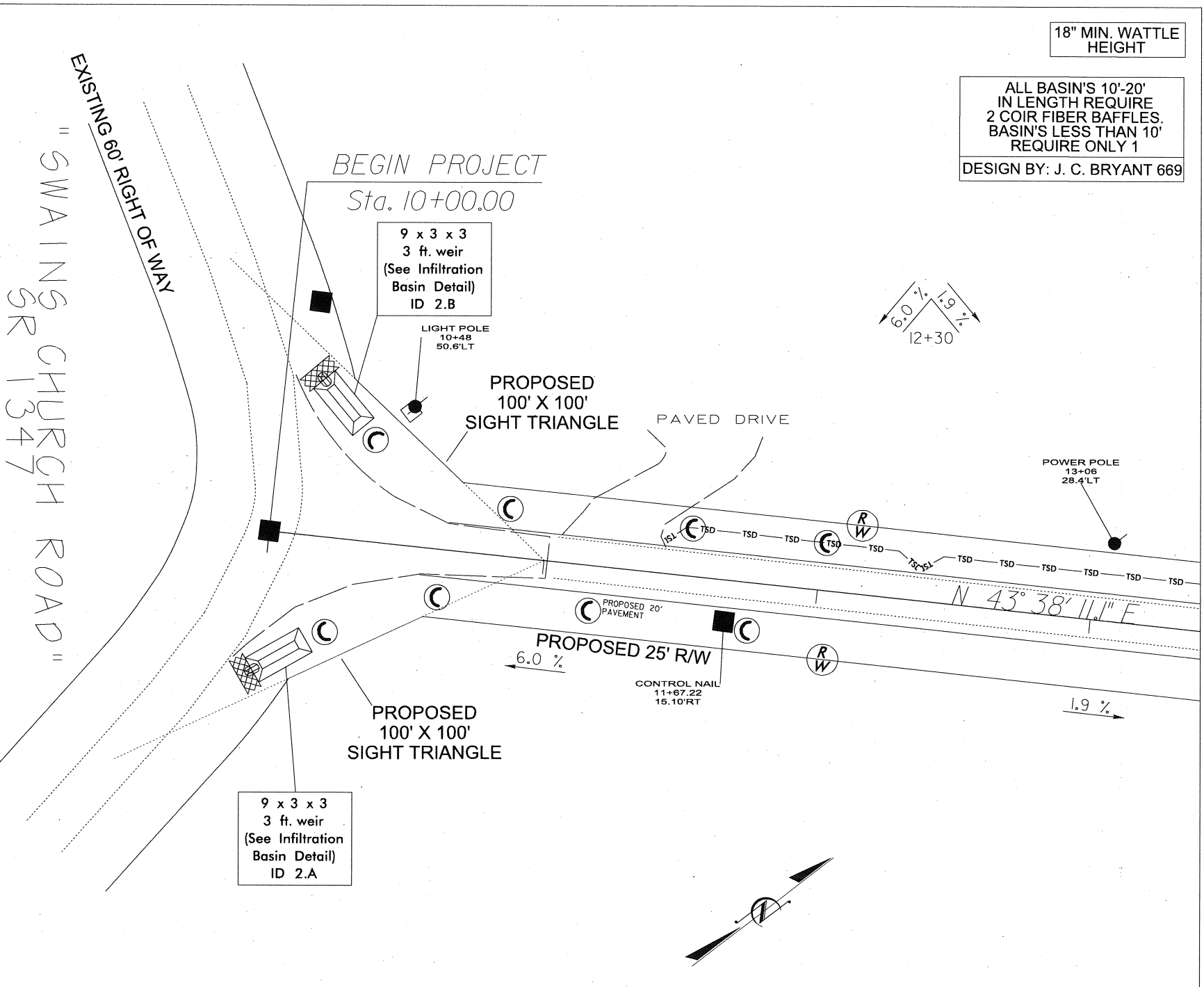
STATE DESIGN ENGINEER
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
DIVISION ADMINISTRATOR DATE

18" MIN. WATTLE HEIGHT

ALL BASIN'S 10'-20' IN LENGTH REQUIRE 2 COIR FIBER BAFFLES. BASIN'S LESS THAN 10' REQUIRE ONLY 1

DESIGN BY: J. C. BRYANT 669



MATCHLINE SEE SHEET #03

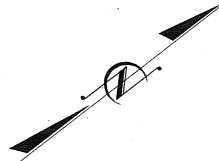
STATION 16+04 - 20+50 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

18" MIN. WATTLE HEIGHT

ALL BASIN'S 10'-20' IN LENGTH REQUIRE 2 COIR FIBER BAFFLES. BASIN'S LESS THAN 10' REQUIRE ONLY 1

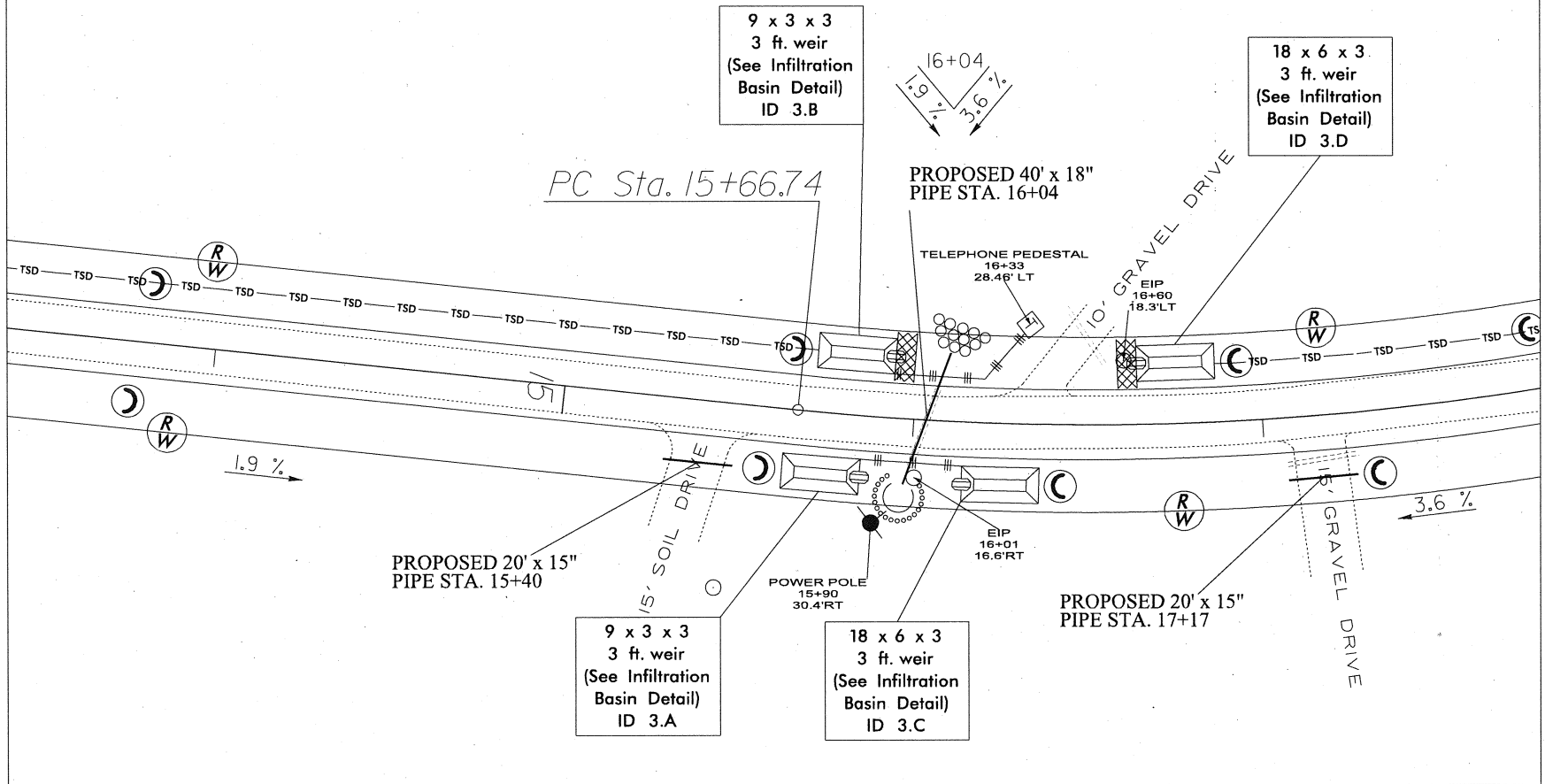
DESIGN BY: J. C. BRYANT 669

$PI\ Sta\ 16+83.62$
 $\Delta = 16^{\circ} 37' 26.6'' (LT)$
 $D = 7^{\circ} 09' 43.1''$
 $L = 232.12'$
 $T = 116.88'$
 $R = 800.00'$



MATCHLINE SEE SHEET #02

MATCHLINE SEE SHEET #04



HORIZONTAL SCALE 1" = 50'

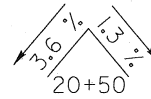
STATION 16+04 - 20+50 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

STATION 21+26 - 24+11 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

18" MIN. WATTLE HEIGHT

ALL BASIN'S 10'-20' IN LENGTH REQUIRE 2 COIR FIBER BAFFLES. BASIN'S LESS THAN 10' REQUIRE ONLY 1

DESIGN BY: J. C. BRYANT 669



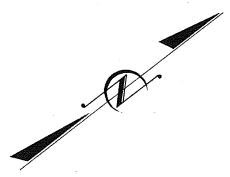
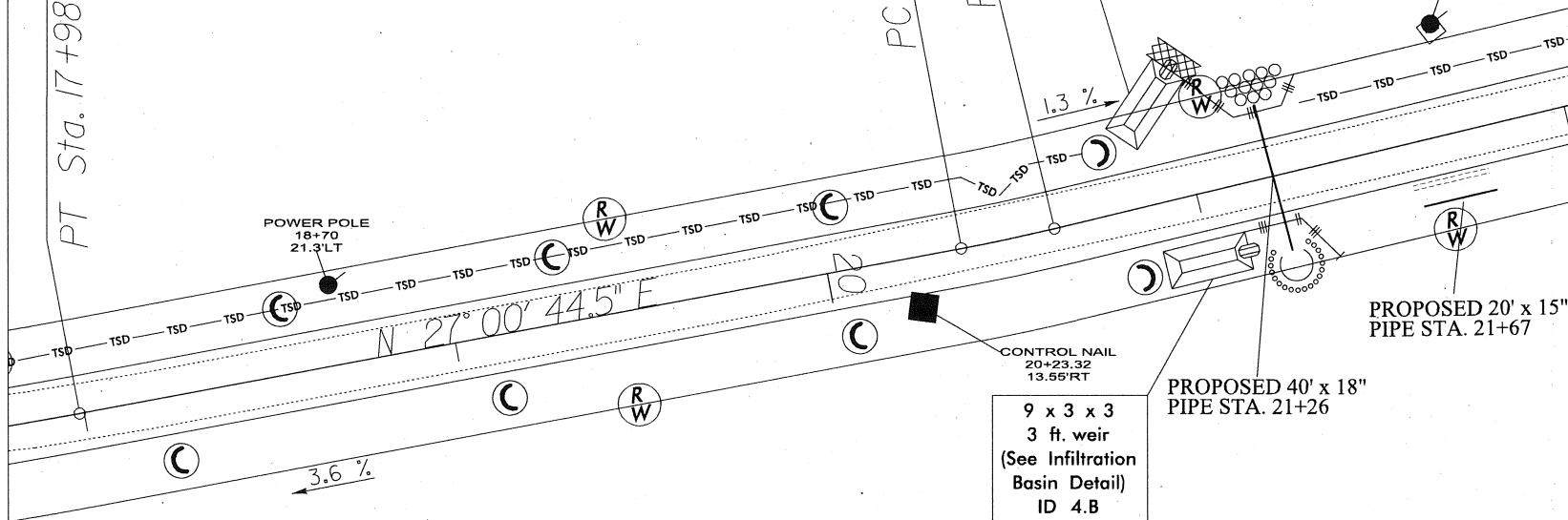
MATCHLINE SEE SHEET #03

PT Sta. 17+98.85

PC Sta. 20+35.95

PT Sta. 20+61.18

MATCHLINE SEE SHEET #05



PI Sta 20+48.57
Δ = 2° 53' 28.0" (LT)
D = 11° 27' 33.0"
L = 25.23'
T = 12.62'
R = 500.00'

STATION 21+26 - 24+11 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

STATION 24+11 - 30+00 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

18" MIN. WATTLE HEIGHT



9 x 3 x 3
3 ft. weir
(See Infiltration Basin Detail)
ID 5.B

15' GRAVEL DRIVE



16 x 8 x 3
3 ft. weir
(See Infiltration Basin Detail)
ID 5.D

PC Sta. 24+92.67

PT Sta. 25+66.41

MATCHLINE SEE SHEET *04



MATCHLINE SEE SHEET *06

2.3 %

9 x 3 x 3
3 ft. weir
(See Infiltration Basin Detail)
ID 5.C

PROPOSED 40 x 18" PIPE STA. 24+11

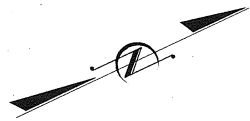
16 x 8 x 3
3 ft. weir
(See Infiltration Basin Detail)
ID 5.E

3.0 %

ALL BASIN'S 10'-20' IN LENGTH REQUIRE 2 COIR FIBER BAFFLES. BASIN'S LESS THAN 10' REQUIRE ONLY 1

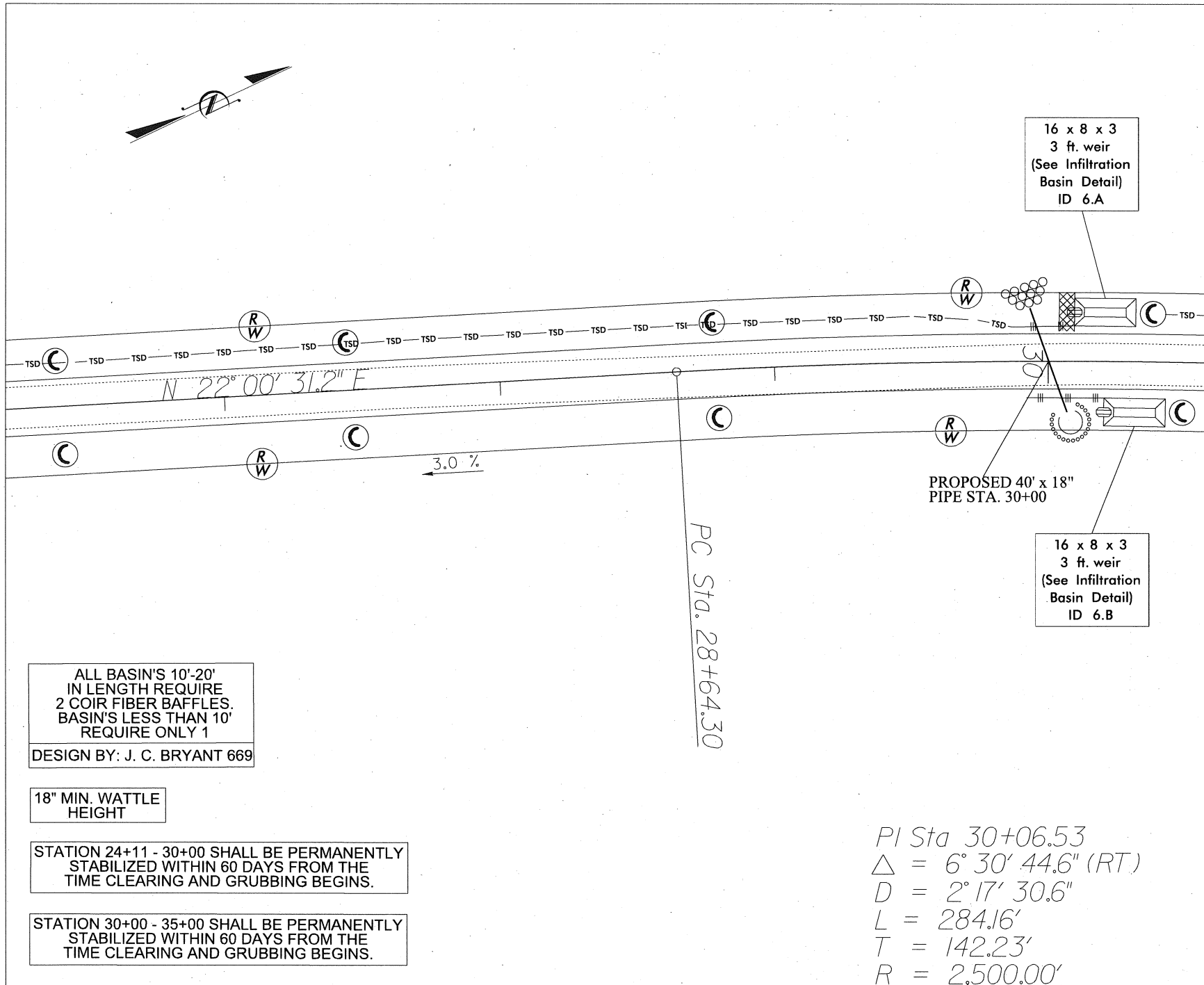
DESIGN BY: J. C. BRYANT 669

PI Sta 25+29.54
 $\Delta = 2^{\circ}06'45.2''$ (LT)
 $D = 2^{\circ}51'53.2''$
 $L = 73.74'$
 $T = 36.88'$
 $R = 2,000.00'$



MATCHLINE SEE SHEET *05

MATCHLINE SEE SHEET *07



ALL BASIN'S 10'-20'
IN LENGTH REQUIRE
2 COIR FIBER BAFFLES.
BASIN'S LESS THAN 10'
REQUIRE ONLY 1

DESIGN BY: J. C. BRYANT 669

18" MIN. WATTLE
HEIGHT

STATION 24+11 - 30+00 SHALL BE PERMANENTLY
STABILIZED WITHIN 60 DAYS FROM THE
TIME CLEARING AND GRUBBING BEGINS.

STATION 30+00 - 35+00 SHALL BE PERMANENTLY
STABILIZED WITHIN 60 DAYS FROM THE
TIME CLEARING AND GRUBBING BEGINS.

PC Sta. 28+64.30

PROPOSED 40' x 18"
PIPE STA. 30+00

16 x 8 x 3
3 ft. weir
(See Infiltration
Basin Detail)
ID 6.A

16 x 8 x 3
3 ft. weir
(See Infiltration
Basin Detail)
ID 6.B

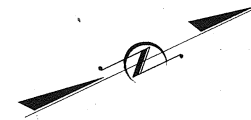
PI Sta 30+06.53
 $\Delta = 6^\circ 30' 44.6''$ (RT.)
 $D = 2^\circ 17' 30.6''$
 $L = 284.16'$
 $T = 142.23'$
 $R = 2,500.00'$

STATION 30+00 - 35+00 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

18" MIN. WATTLE HEIGHT

ALL BASIN'S 10'-20' IN LENGTH REQUIRE 2 COIR FIBER BAFFLES. BASIN'S LESS THAN 10' REQUIRE ONLY 1.

DESIGN BY: J. C. BRYANT 669



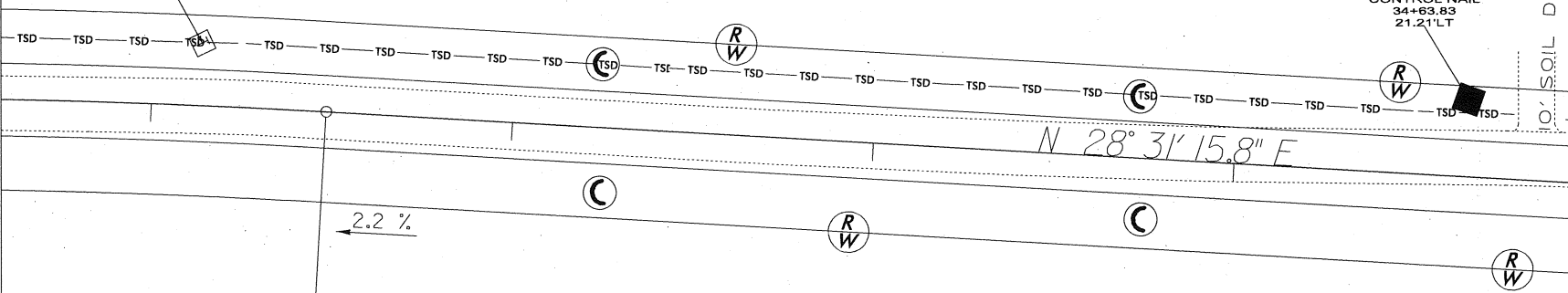
MATCHLINE SEE SHEET #06

MATCHLINE SEE SHEET #08

TELEPHONE PEDESTAL
31+13
17.31' LT

CONTROL NAIL
34+63.83
21.21' LT

10' SOIL DRIVE



PT Sta. 31+48.46

2.2 %

N 28° 31' 15.8" E

PI Sta 36+41.26
 $\Delta = 7^\circ 39' 40.1''$ (RT)
 $D = 14^\circ 19' 26.2''$
 $L = 53.48'$
 $T = 26.78'$
 $R = 400.00'$

STATION 30+00 - 35+00 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

STATION 35+00 - 37+27 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

STATION 37+27 - 39+20 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

18" MIN. WATTLE HEIGHT

12 x 6 x 3
3 ft. weir
(See Infiltration Basin Detail)
ID 8.B

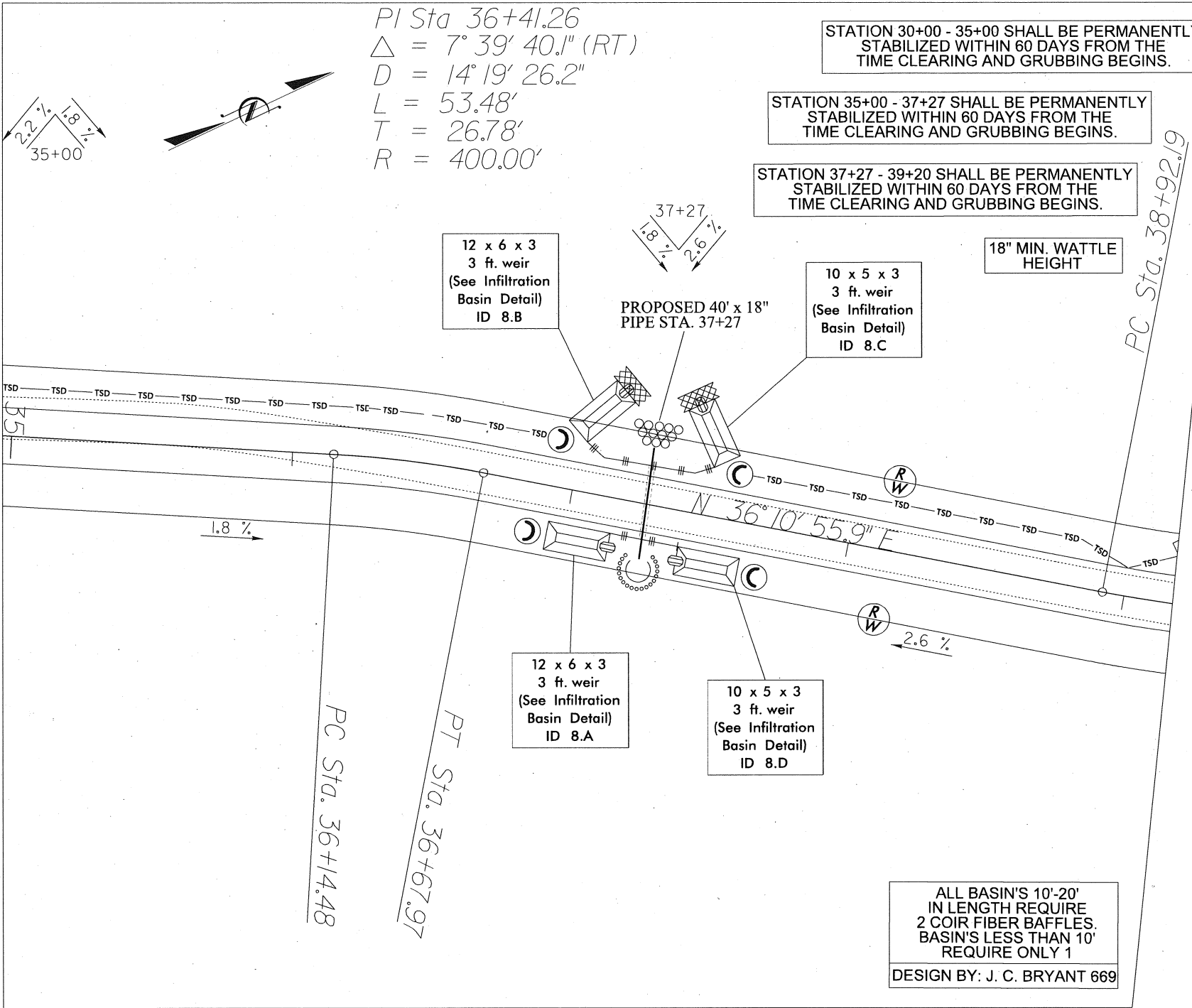
10 x 5 x 3
3 ft. weir
(See Infiltration Basin Detail)
ID 8.C

PROPOSED 40' x 18" PIPE STA. 37+27

12 x 6 x 3
3 ft. weir
(See Infiltration Basin Detail)
ID 8.A

10 x 5 x 3
3 ft. weir
(See Infiltration Basin Detail)
ID 8.D

N 36° 10' 55.9" E



ALL BASIN'S 10'-20'
 IN LENGTH REQUIRE
 2 COIR FIBER BAFFLES.
 BASIN'S LESS THAN 10'
 REQUIRE ONLY 1
 DESIGN BY: J. C. BRYANT 669

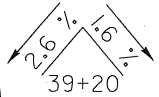
STATION 39+20 - 43+25 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

ALL BASIN'S 10'-20' IN LENGTH REQUIRE 2 COIR FIBER BAFFLES. BASIN'S LESS THAN 10' REQUIRE ONLY 1

18" MIN. WATTLE HEIGHT

DESIGN BY: J. C. BRYANT 669

MATCHLINE SEE SHEET #08

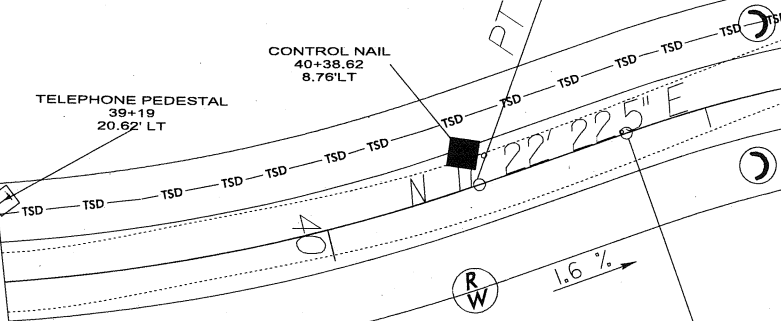


9

PT Sta. 40+39.92

TELEPHONE PEDESTAL
39+19
20.62' LT

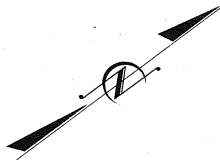
CONTROL NAIL
40+38.62
8.76' LT



MATCHLINE SEE SHEET #10

9

HELEN BURGESS
DB 402 PG 094



PI Sta 39+66.73
 $\Delta = 18^\circ 48' 33.4''$ (LT)
 $D = 12^\circ 43' 56.6''$
 $L = 147.73'$
 $T = 74.53'$
 $R = 450.00'$

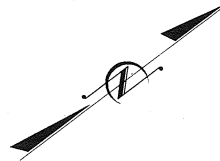
PC Sta. 40+79.15

STATION 39+20 - 43+25 SHALL BE PERMANENTLY STABILIZED WITHIN 60 DAYS FROM THE TIME CLEARING AND GRUBBING BEGINS.

18" MIN. WATTLE HEIGHT

ALL BASIN'S 10'-20' IN LENGTH REQUIRE 2 COIR FIBER BAFFLES. BASIN'S LESS THAN 10' REQUIRE ONLY 1

DESIGN BY: J. C. BRYANT 669



14 x 7 x 3
3 ft. weir
(See Infiltration Basin Detail)
ID 10.B

CONTROL NAIL
42+82.93
16.21'LT

14 x 7 x 3
3 ft. weir
(See Infiltration Basin Detail)
ID 10.A

PROPOSED 40' x 18"
PIPE STA. 43+25

MATCHLINE SEE SHEET #09

MATCHLINE SEE SHEET #11

1.6 %

0.5 %

PI Sta 42+39.41
 $\Delta = 49^\circ 12' 18.1''$ (RT)
 $D = 16^\circ 22' 12.8''$
 $L = 300.58'$
 $T = 160.26'$
 $R = 350.00'$

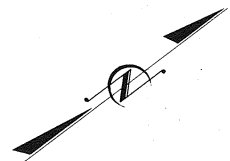
PT Sta. 43+79.73

PC Sta. 44+54.38

N 69° 34' 40.7" E

END PROJECT
Sta. 48+73.77

"ROCK HOUSE MT.
SR 1349". ROAD"
EXISTING 60' RIGHT OF WAY



9 x 3 x 3
3 ft. weir
(See Infiltration
Basin Detail)
ID 11.B

9 x 3 x 3
3 ft. weir
(See Infiltration
Basin Detail)
ID 11.C

PROPOSED
100' X 100'
SIGHT TRIANGLE

9 x 3 x 3
3 ft. weir
(See Infiltration
Basin Detail)
ID 11.A

TELEPHONE PEDESTAL
47+10
22.08' RT

PROPOSED 40 x 18"
PIPE STA. 46+62

PI Sta 46+46.58
 $\Delta = 22^\circ 52' 28.7''$ (LT)
 $D = 6^\circ 01' 52.1''$
 $L = 379.28'$
 $T = 192.20'$
 $R = 950.00'$

POWER POLE
48+22
61.9' RT

EIP
48+37
52.8' RT

PROPOSED
100' X 100'
SIGHT TRIANGLE

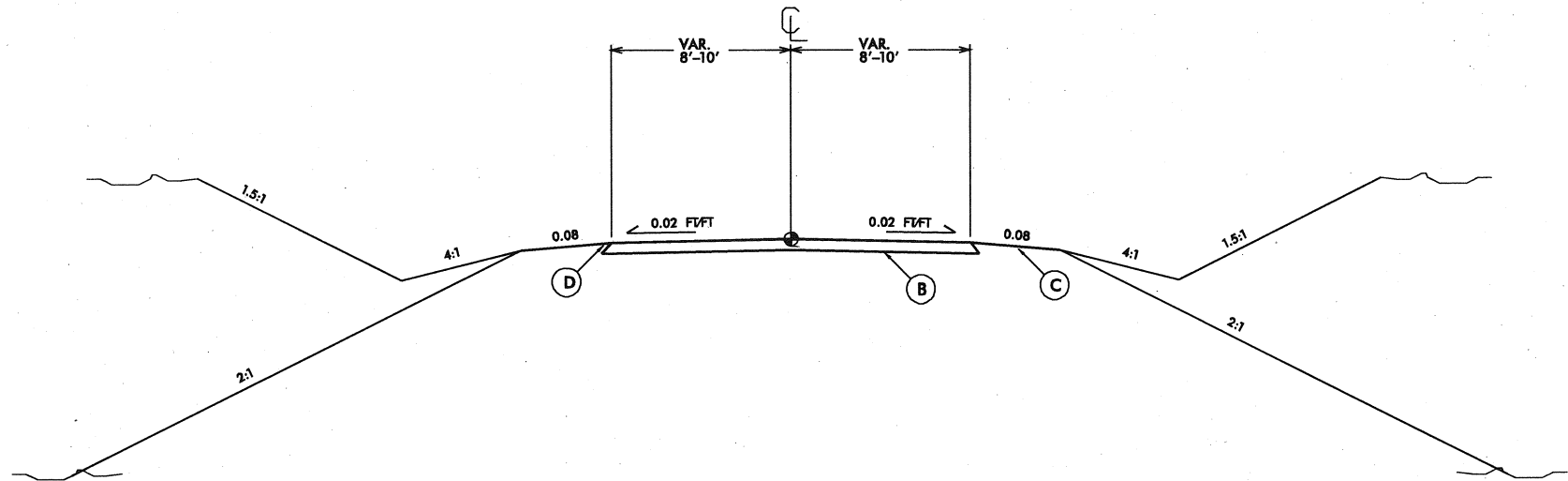
9 x 3 x 3
3 ft. weir
(See Infiltration
Basin Detail)
ID 11.D

ALL BASIN'S 10'-20'
IN LENGTH REQUIRE
2 COIR FIBER BAFFLES.
BASIN'S LESS THAN 10'
REQUIRE ONLY 1
DESIGN BY: J. C. BRYANT 669

18" MIN. WATTLE
HEIGHT

MATCHLINE SEE SHEET #10

PT Sta. 48+33.66



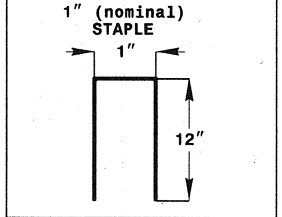
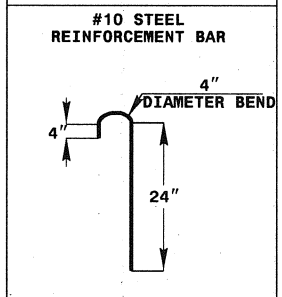
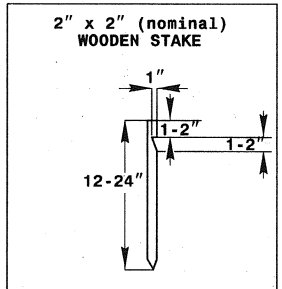
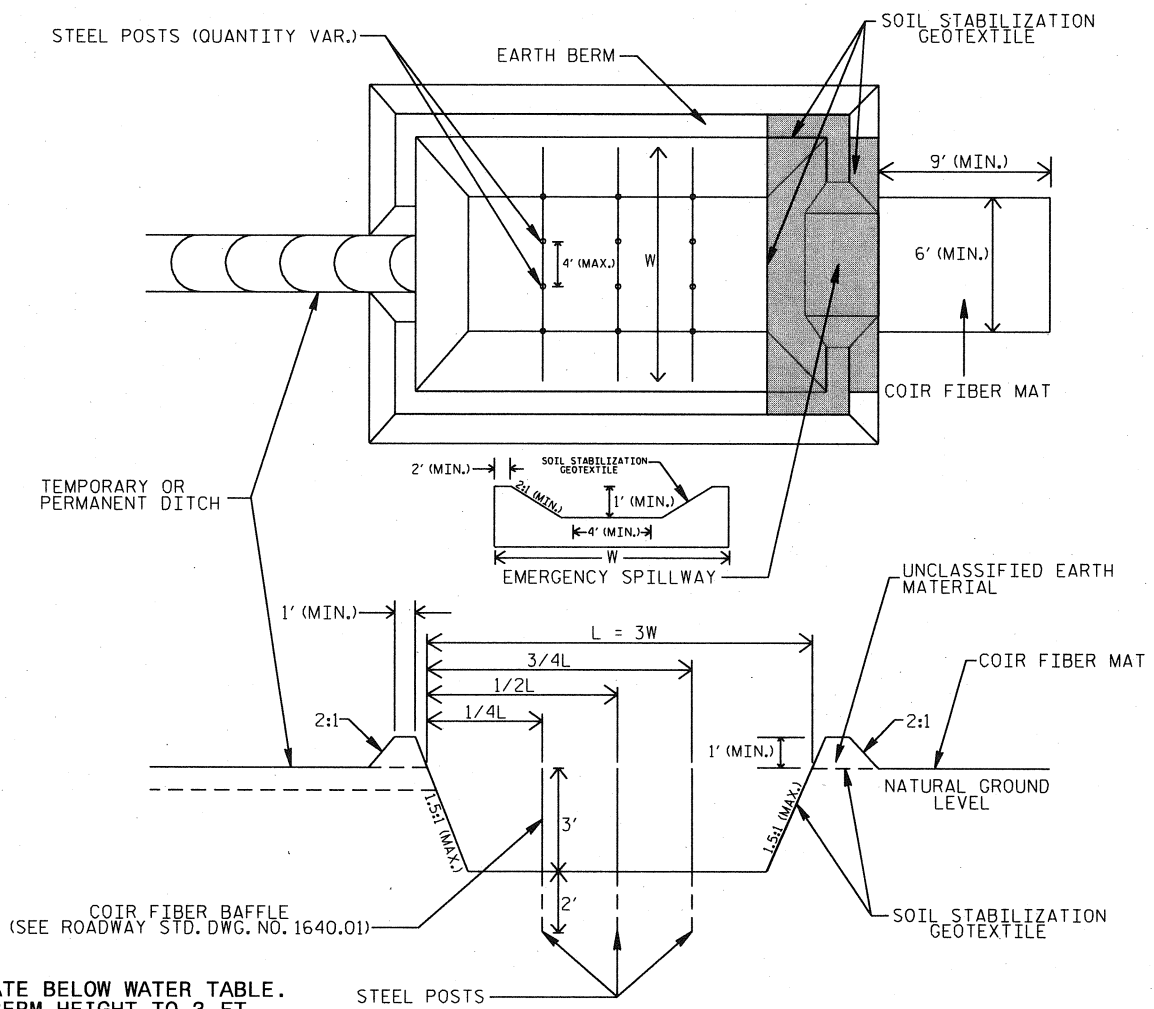
B 8" (compacted) ABC

C Shoulder varies: Cut side = 4' shoulder on .08 ft/ft
 transition to a 4:1 slope for a distance of 4'
 to center of the ditch line
 Fill side = 6' to shoulder break

D Base should be 1' wider than
 overall proposed road width

INFILTRATION BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. B-4415	SHEET NO. EC-2C
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



COIR FIBER MAT ANCHOR OPTIONS

NOTES

1. DO NOT EXCAVATE BELOW WATER TABLE.
2. LIMIT EARTH BERM HEIGHT TO 3 FT.
3. AVOID COMPACTING BOTTOM OF BASIN.
4. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
5. DETERMINE EMERGENCY SPILLWAY LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.

NOT TO SCALE

FENCE LINE DATA SHEET

ROAD NAME :SR 1345A "WAGONER RD"

STATION	STATION	RT./LT.	FUNC./ NONFUNC.	TYPE OF FENCE
10+30	15+13	RT	NONFUNC.	
13+19	15+91	LT.	FUNCTION	3 STRAND ELECTRIC
17+82	21+78	RT.	FUNCTION	3 STRAND ELECTRIC