

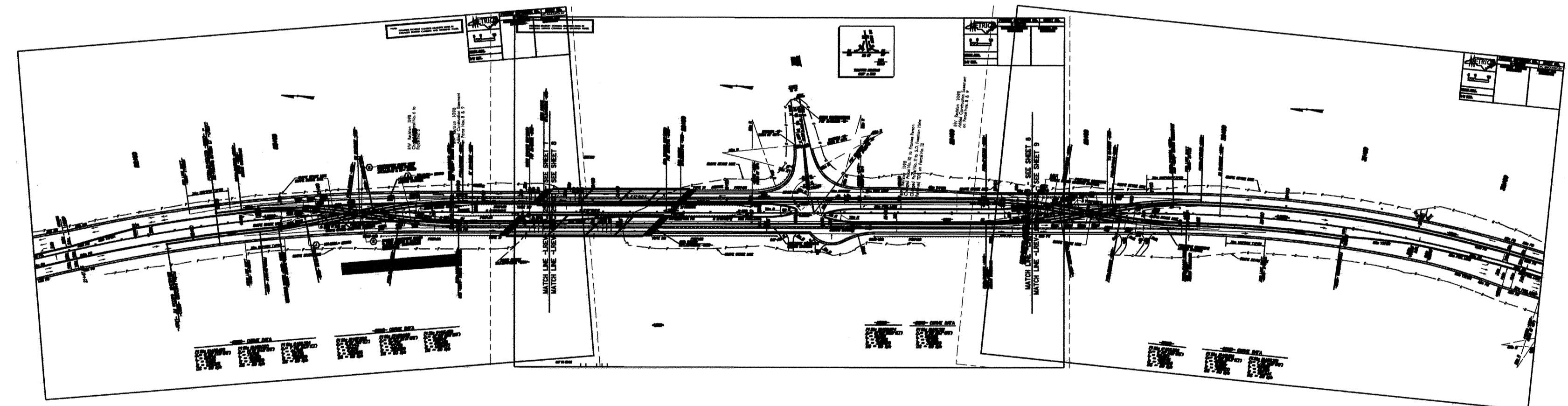
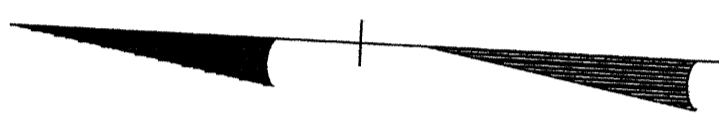
TIP PROJECT: R-2562AC

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL
 CUMBERLAND COUNTY

METRIC

ALL DIMENSIONS IN THESE PLANS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2562AC	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation.....	
1630.03	Temporary Silt Ditch.....	
1630.05	Temporary Diversion.....	
1605.01	Temporary Silt Fence.....	
1606.01	Special Sediment Control Fence.....	
1622.01	Temporary Berms and Slope Drains.....	
1630.01	Riser Basin.....	
1630.02	Silt Basin Type B.....	
1633.01	Temporary Rock Silt Check Type-A.....	
1633.02	Temporary Rock Silt Check Type-B.....	
1634.01	Temporary Rock Sediment Dam Type-A.....	
1634.02	Temporary Rock Sediment Dam Type-B.....	
1635.01	Rock Pipe Inlet Sediment Trap Type-A.....	
1635.02	Rock Pipe Inlet Sediment Trap Type-B.....	
1630.04	Stilling Basin.....	
	Rock Inlet Sediment Trap:	
1632.01	Type A.....	
1632.02	Type B.....	
1632.03	Type C.....	

THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

GRAPHIC SCALE

0

 PLANS

0

 PROFILE (HORIZONTAL)

0

 PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
 DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

Prepared In the Office of:
ROADSIDE ENVIRONMENTAL UNIT
 1 South Wilmington St.
 Raleigh, NC 27611
 2002 STANDARD SPECIFICATIONS

Roadway Standard Drawings

The following roadway metric standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 15, 2002 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

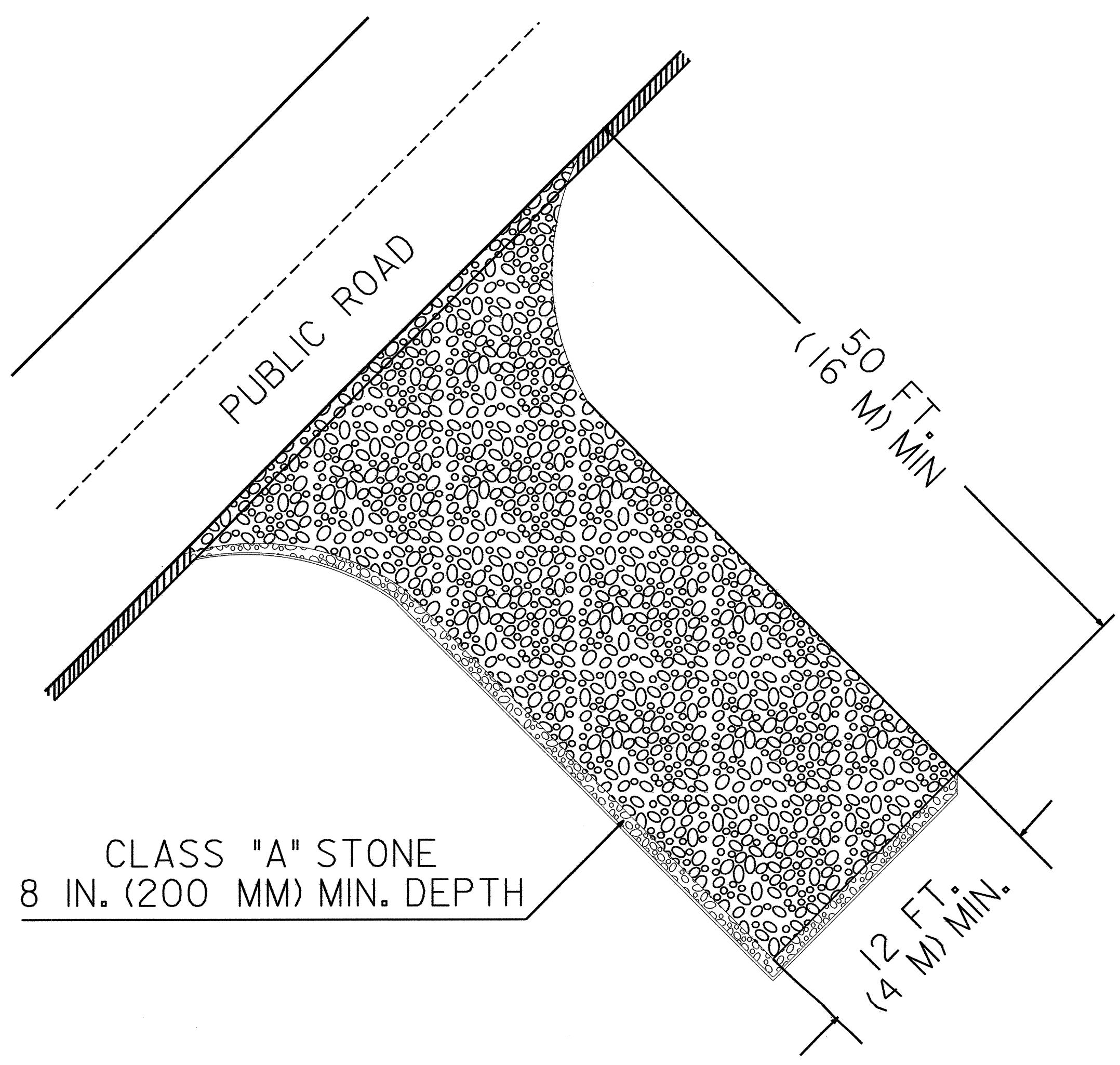
1605.01 Temporary Silt Fence
 1632.02 Rock Inlet Sediment Trap Type B
 1633.01 Temporary Rock Silt Check Type A

PROJECT REFERENCE NO. R-2562AC	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE


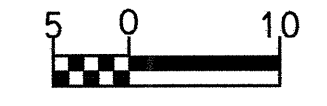
NOTES:

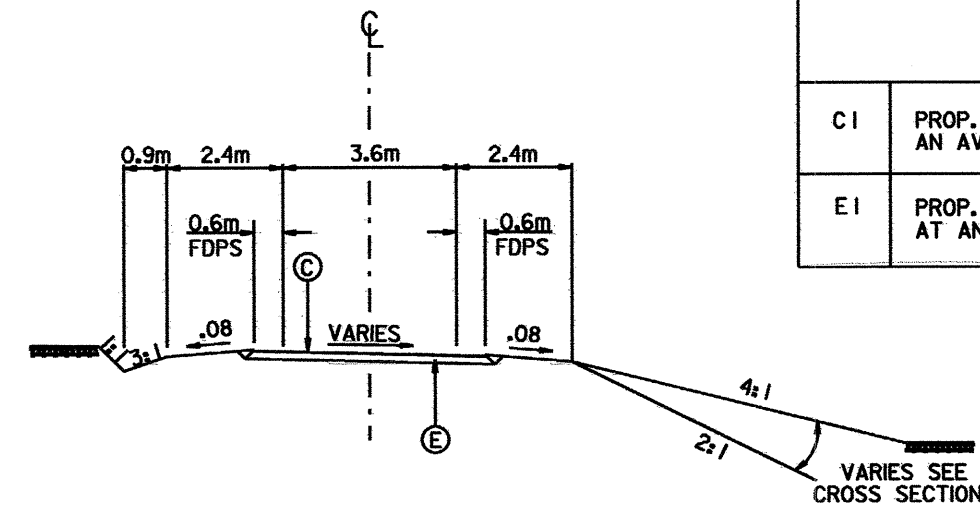
1. TURNING RADIUS SUFFICIENT TO ACCOMODATE LARGE TRUCKS SHALL BE PROVIDED.
2. ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR UTILIZATION BY ALL CONSTRUCTION VEHICLES.
3. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY.
4. ANY MATERIAL TRACKED ONTO THE ROADWAY MUST BE CLEANED UP IMMEDIATELY.
5. GRAVEL CONSTRUCTION ENTRANCE SHALL BE LOCATED AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED. FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE MUST BE PROVIDED.
6. NUMBER AND LOCATION OF CONSTRUCTION ENTRANCES TO BE DETERMINED BY THE ENGINEER



NOTE: FILTER FABRIC TO BE PLACED BENEATH STONE

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

	PROJECT REFERENCE NO.	SHEET NO.
	R-2562AC	EC-03/CONST.04
	HIGHWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	CONST. REV.	
R/W REV.		



PAVEMENT SCHEDULE

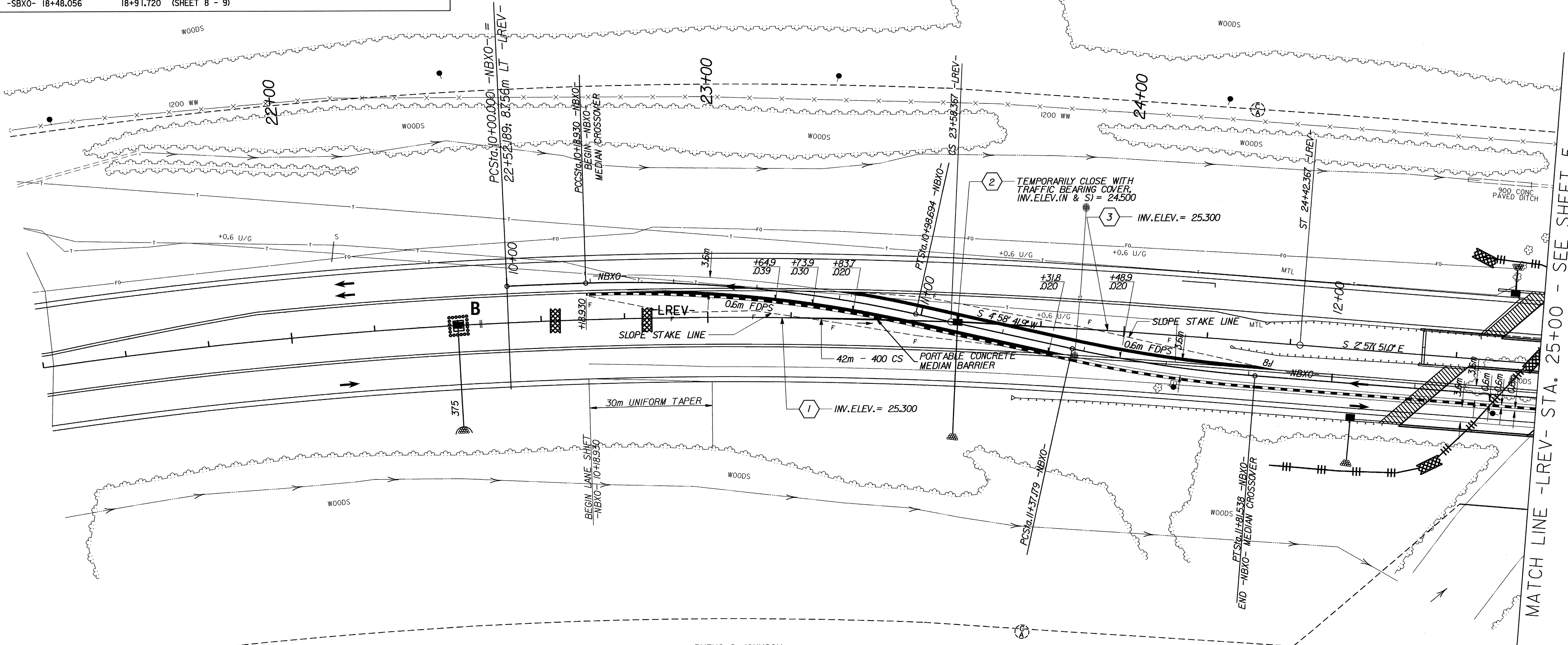
C1	PROP. APPROX. 60 mm ASPH. CONC. SURFACE COURSE, TYPE HDS, AT AN AVERAGE RATE OF 72 kg. PER SQ. M. IN EACH OF TWO LAYERS.
E1	PROP. APPROX. 130 mm ASPH. CONC. BASE COURSE, TYPE HB, AT AN AVERAGE RATE OF 305.5 kg. PER SQ. M.

TYPICAL SECTION

STATION TO STATION

-NBX0- 10+83.740	11+31.837	(SHEET 4)
-NBX0- 16+27.192	16+73.220	(SHEET 5 - 6)
-SBX0- 13+00.897	13+48.868	(SHEET 7)
-SBX0- 18+48.056	18+91.720	(SHEET 8 - 9)

CITY OF FAYETTEVILLE
DB 3813 PG 485



MATCH LINE -LREV- STA. 25+00 - SEE SHEET 5


RUFUS S. JOHNSON
DB 2850 PG 224

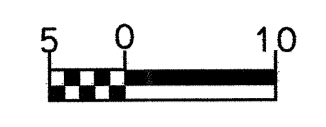
RUBELL S. HARRIS
DB 2850 PG 224

-NBX0- CURVE DATA

PI Sta 10+09.465 $\Delta = 0^\circ 55' 13.9''$ (RT) $L = 18.930$ $T = 9.465$ $R = 1,178.215$ $DS = 80$ kph	PI Sta 10+59.020 $\Delta = 14^\circ 16' 54.5''$ (RT) $L = 79.765$ $T = 40.090$ $R = 320.000$ $DS = 80$ kph	PI Sta 11+59.394 $\Delta = 7^\circ 56' 32.9''$ (LT) $L = 44.359$ $T = 22.215$ $R = 320.000$ $DS = 80$ kph
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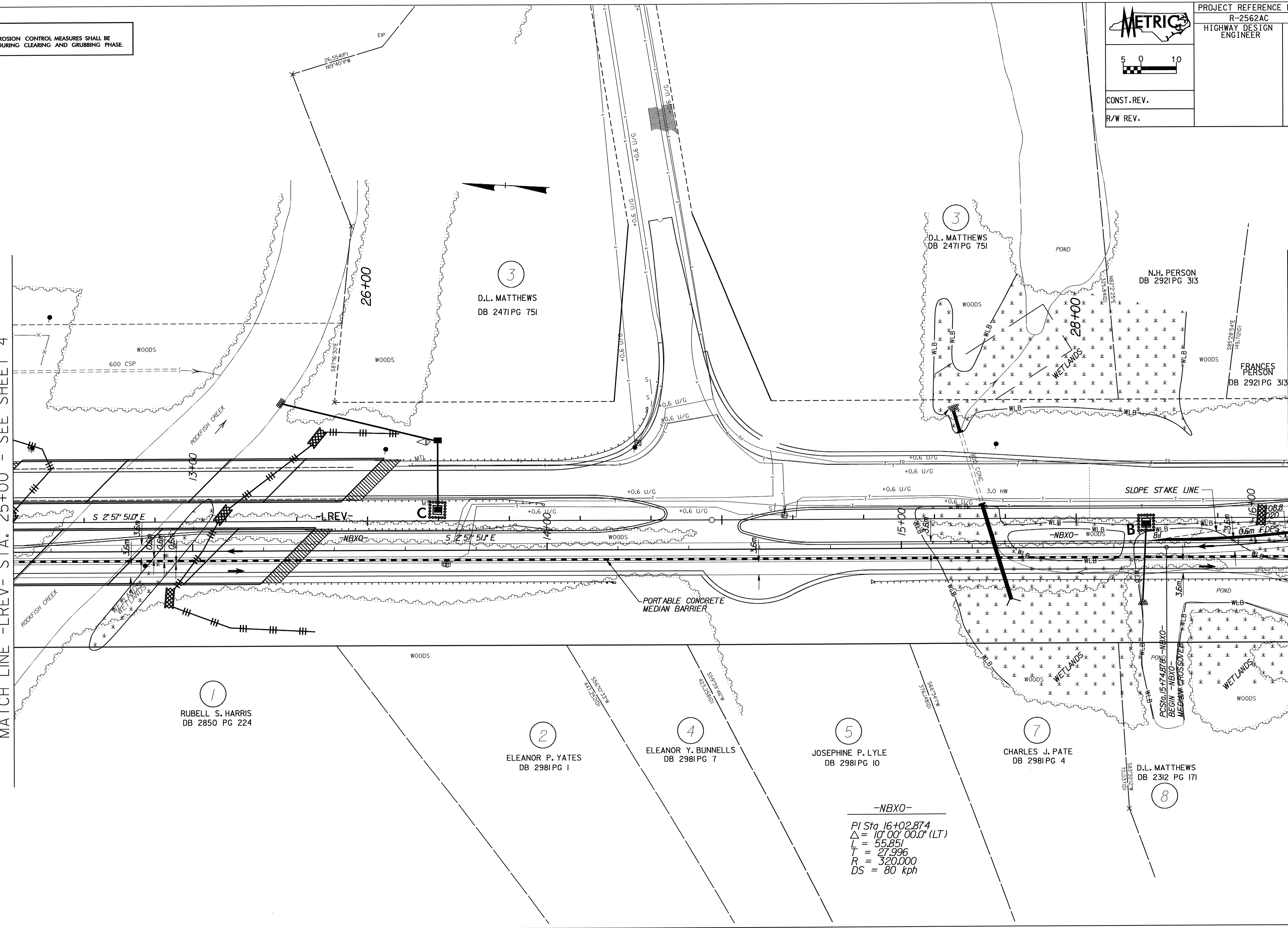
NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

	PROJECT REFERENCE NO.	SHEET NO.
	R-2562AC HIGHWAY DESIGN ENGINEER	EC-04/CONST.05 HYDRAULICS ENGINEER
CONST. REV.		
R/W REV.		



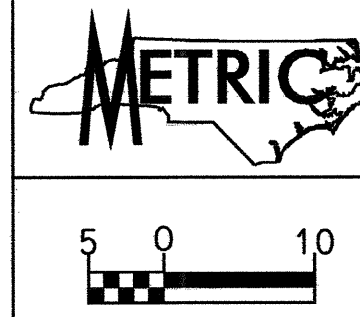
MATCH LINE -LREV- STA. 25+00 - SEE SHEET 4

MATCH LINE -LREV- STA. 28+60 - SEE SHEET 6

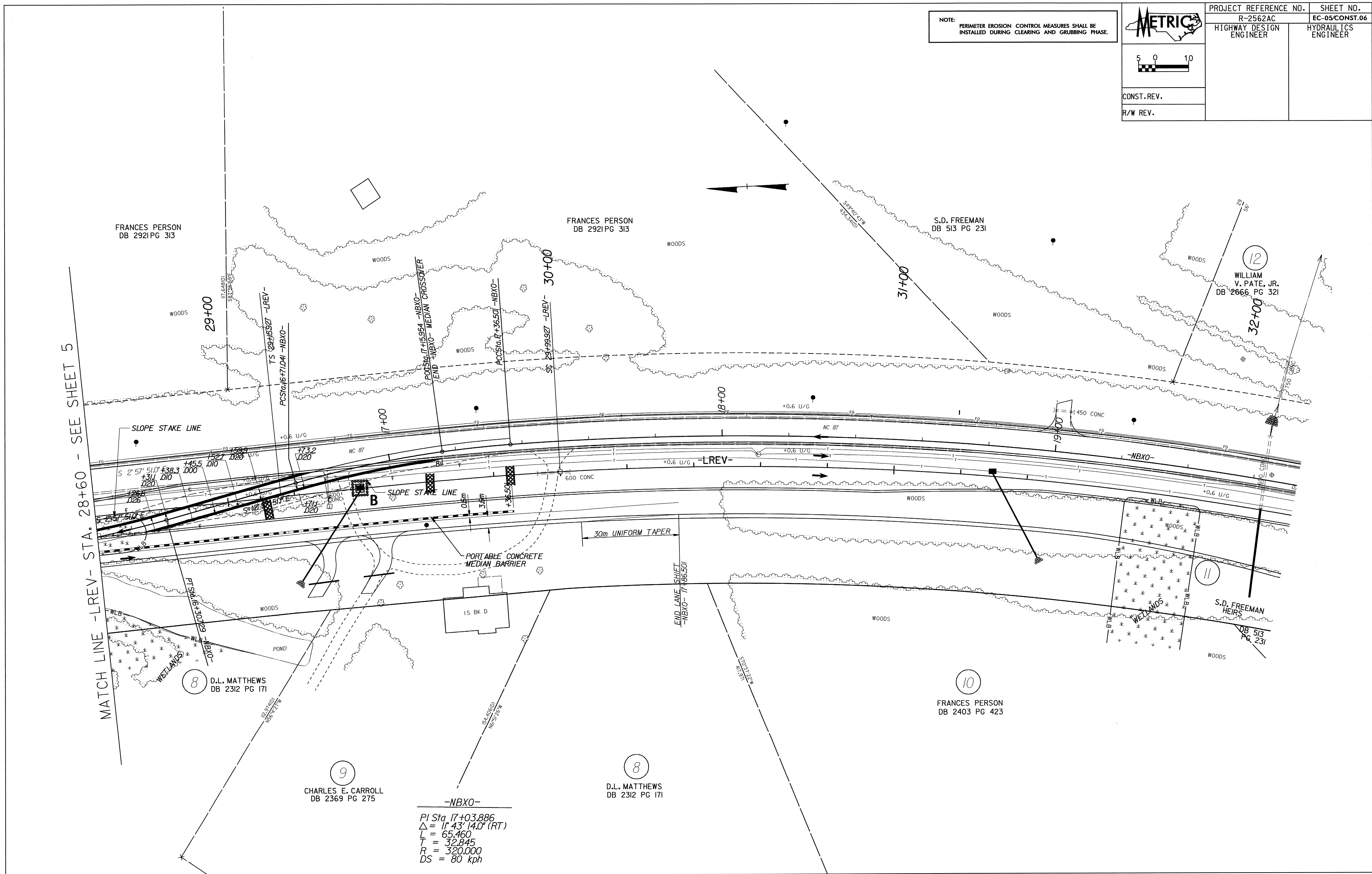


-NBXO-
 PI Sta 16+02.874
 $\Delta = 10^{\circ} 00' 00.0"$ (LT)
 L = 55.851
 T = 27.996
 R = 320.000
 DS = 80 kph

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.



PROJECT REFERENCE NO. R-2562AC	SHEET NO. EC-05/CONST.06
HIGHWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	



MATCH LINE -LREV- STA. 28+60 - SEE SHEET 5

FRANCES PERSON
DB 2921 PG 313

FRANCES PERSON
DB 2921 PG 313

S.D. FREEMAN
DB 513 PG 231

12
WILLIAM
V. PATE, JR.
DB 2666 PG 321

8
D.L. MATTHEWS
DB 2312 PG 171

9
CHARLES E. CARROLL
DB 2369 PG 275

8
D.L. MATTHEWS
DB 2312 PG 171

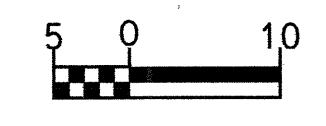
10
FRANCES PERSON
DB 2403 PG 423

S.D. FREEMAN
HEIRS
DB 513
PG 231

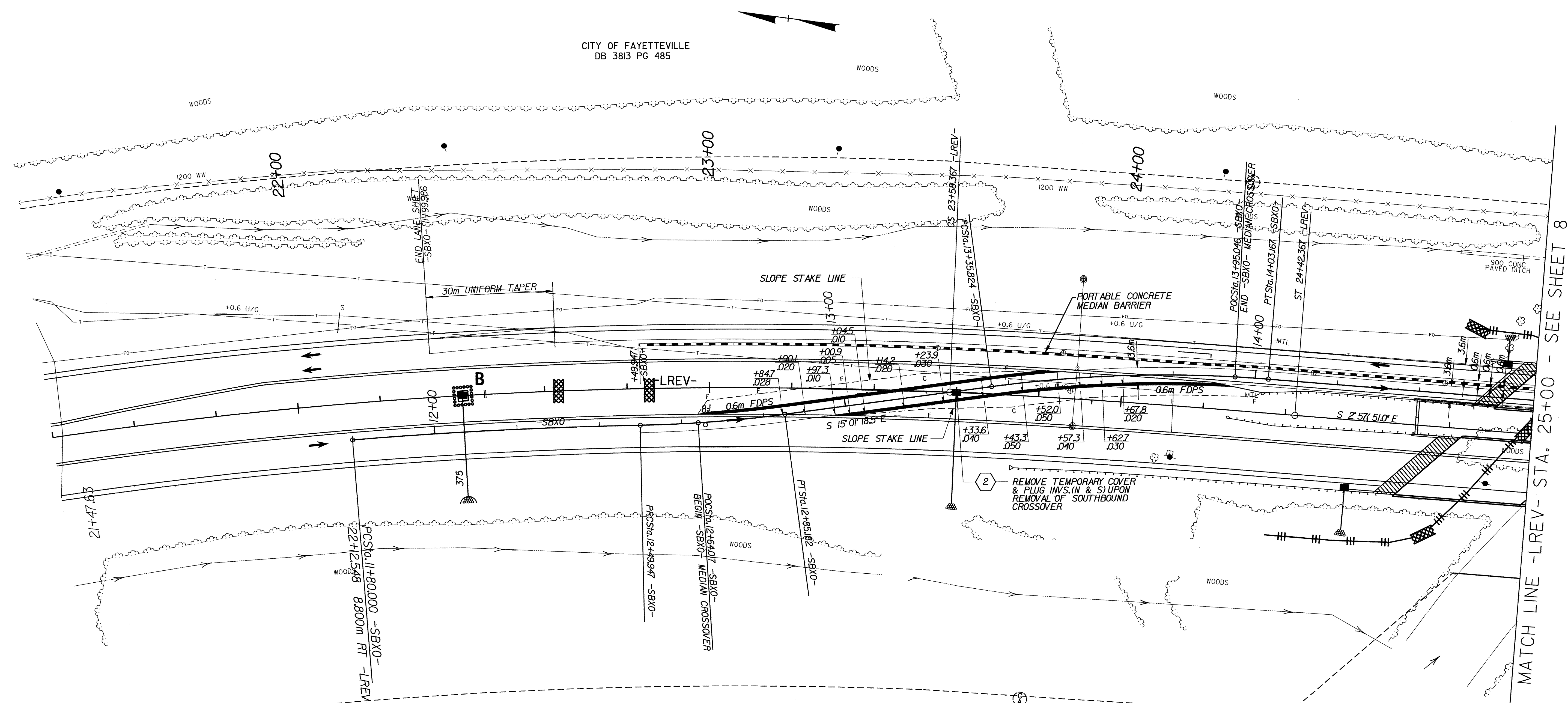


PROJECT REFERENCE NO. R-2562AC	SHEET NO. EC-06/CONST.07
HIGHWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.



CITY OF FAYETTEVILLE
DB 3813 PG 485



RUFUS S. JOHNSON
DB 2850 PG 224


-SBXO- CURVE DATA

PI Sta 12+67.582 Δ = 6° 18' 31.0" (LT) L = 35.234 T = 17.635 R = 320.005 DS = 80 kph	PI Sta 13+69.620 Δ = 12° 03' 27.5" (RT) L = 67.342 T = 33.796 R = 320.000 DS = 80 kph	PI Sta 11+25.459 Δ = 12° 20' 19.6" (RT) L = 249.947 T = 125.459 R = 1,160.643 DS = 80 kph
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RUBELL S. HARRIS
DB 2850 PG 224

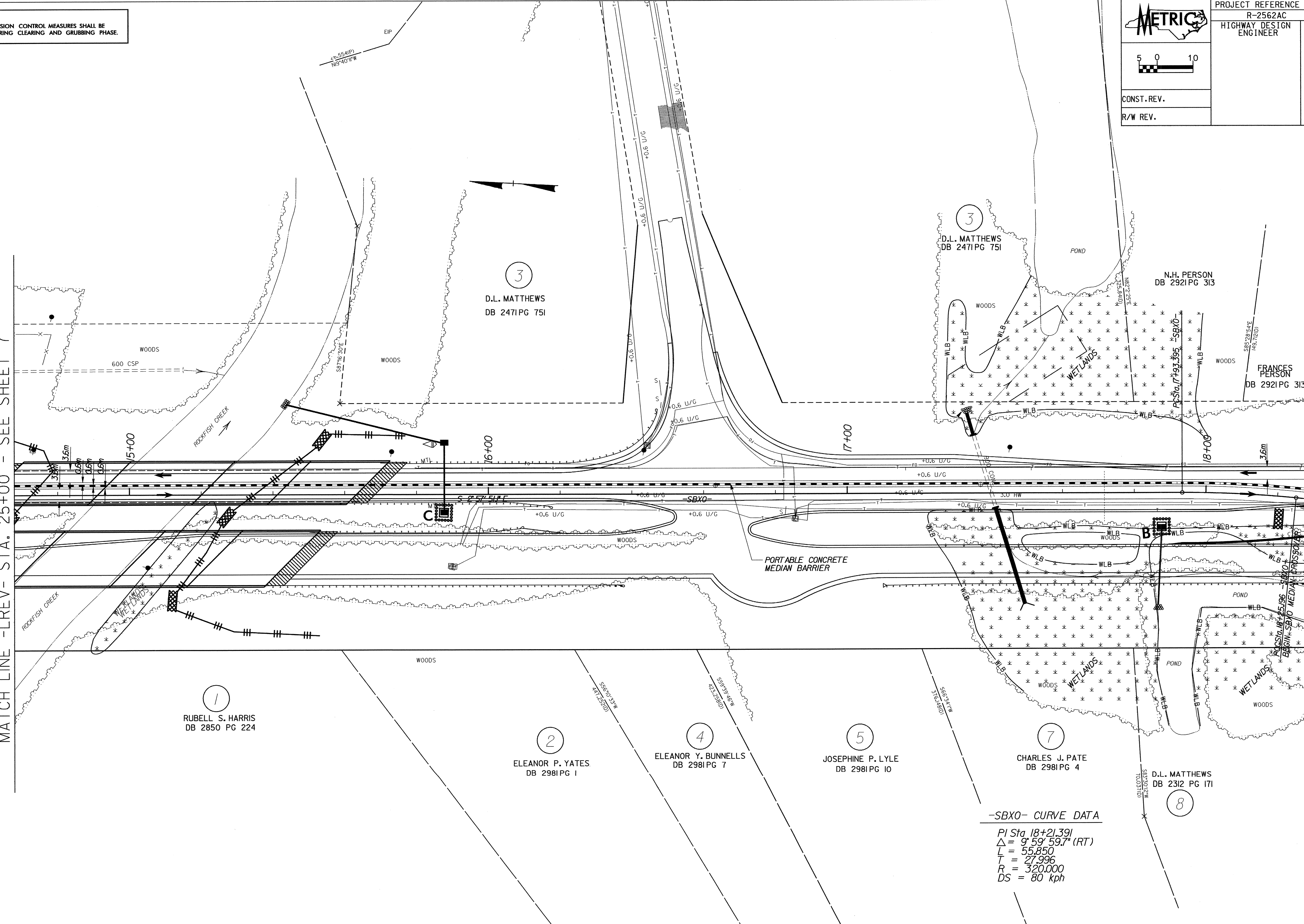
MATCH LINE -LREV- STA. 25+00 - SEE SHEET 8

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE
INSTALLED DURING CLEARING AND GRUBBING PHASE.

 5 0 10 CONST. REV. R/W REV.	PROJECT REFERENCE NO. R-2562AC	SHEET NO. EC-07/CONST.08
	HIGHWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCH LINE - LREV - STA. 25+00 - SEE SHEET 7

MATCH LINE - LREV - STA. 28+60 - SEE SHEET 9

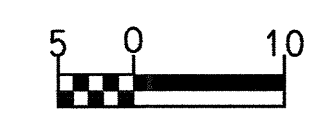


-SBX0- CURVE DATA
 PI Sta 18+21.391
 $\Delta = 9^{\circ} 59' 59.7''$ (RT)
 $L = 55.850$
 $T = 27.996$
 $R = 320.000$
 $DS = 80$ kph

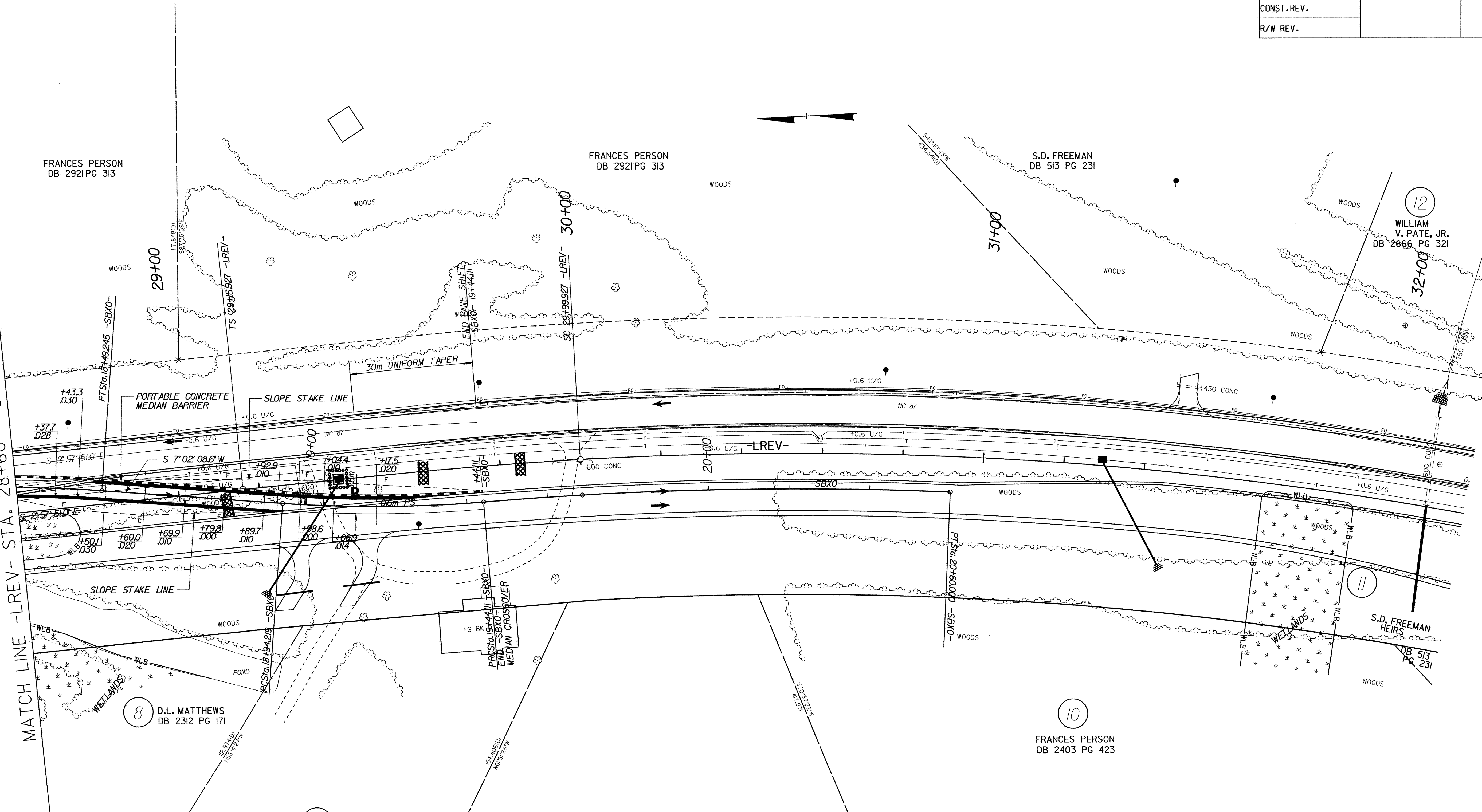


PROJECT REFERENCE NO.	SHEET NO.
R-2562AC	EC-08/CONST.09
HIGHWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.



MATCH LINE -LREV- STA. 28+60 - SEE SHEET 8



FRANCES PERSON
DB 2921 PG 313

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DB 2369 PG 275

10
FRANCES PERSON
DB 2403 PG 423

11
S.D. FREEMAN
HEIRS
DB 513
PG 231

-SBXO- CURVE DATA

PI Sta 19+19.216	PI Sta 19+56.391
$\Delta = 8^{\circ} 55' 59.3''$ (LT)	$\Delta = 1^{\circ} 32' 14.5''$ (RT)
L = 49.892	L = 24.558
T = 24.997	T = 12.280
R = 320.000	R = 915.244
DS = 80 kph	DS = 80 kph