

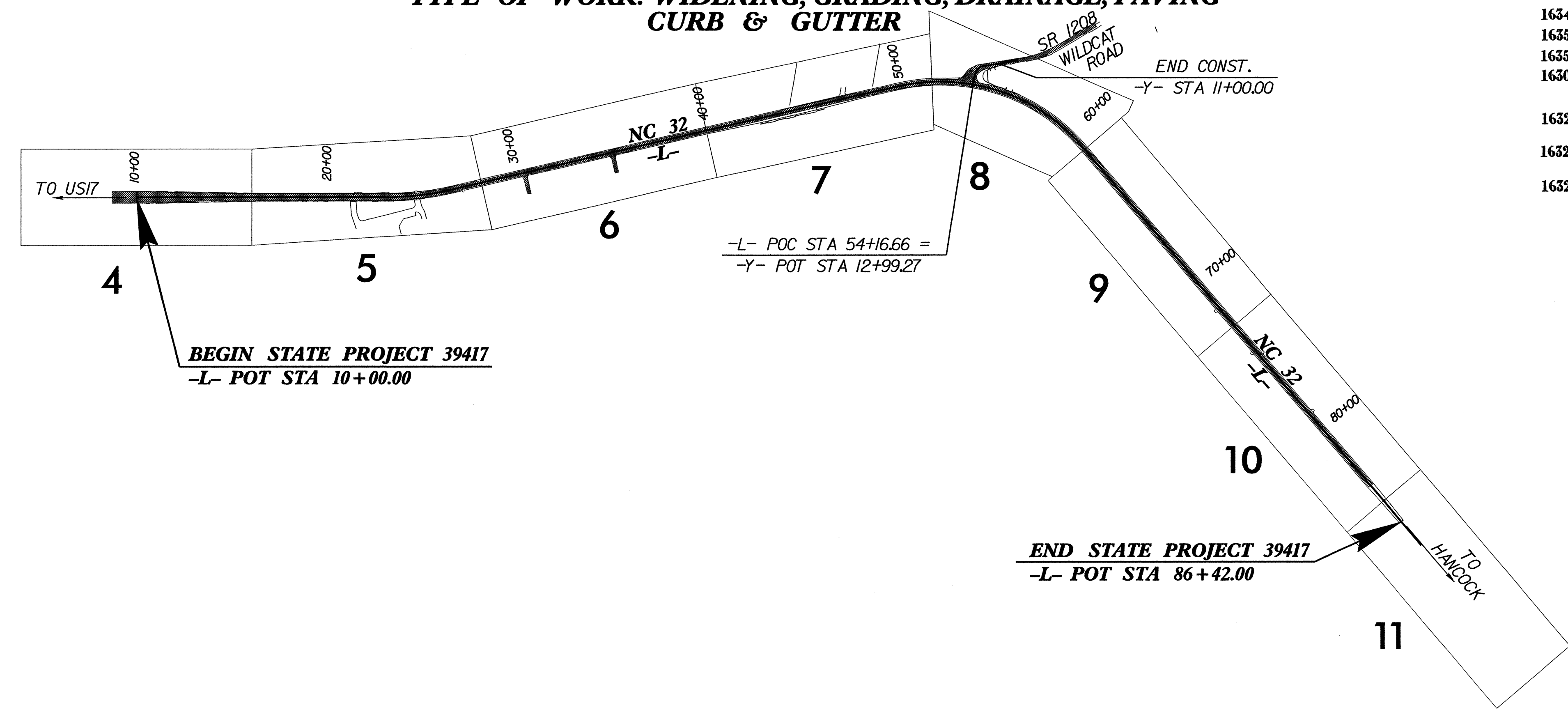
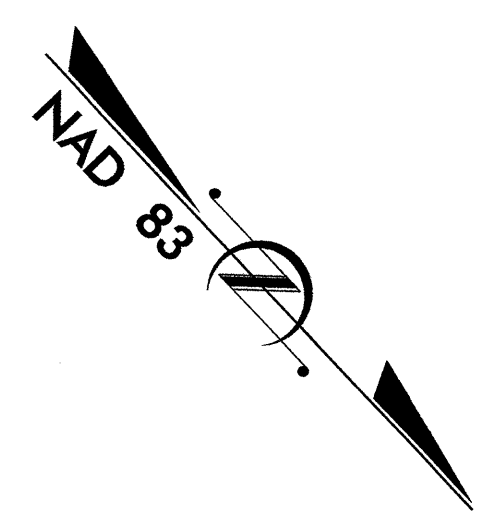
PROJECT: 39417

CONTRACT: 202000

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

LOCATION: NC 32 FROM 0.25 MILES NW OF INTERSECTION WITH US-17 TO 0.52 MILES NORTH OF INTERSECTION OF SR 1208

TYPE OF WORK: WIDENING, GRADING, DRAINAGE, PAVING CURB & GUTTER



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	39417	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Sed. #	Description	Symbol
1630.03	Streambank Reforestation	XXXXXX
1630.05	Temporary Silt Ditch	TD
1605.01	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	XXXXXX
1622.01	Temporary Berms and Slope Drains	TBD
1630.01	Riser Basin	⊙
1630.02	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	XXXXXX
1633.01	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	A
1632.02	Type B	B
1632.03	Type C	C
Skimmer Basin		
Tiered Skimmer Basin		

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

2006 STANDARD SPECIFICATIONS

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 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
1607.01 Gravel Construction Entrance	1632.03 Rock Inlet Sediment Trap Type C
	1633.01 Temporary Rock Silt Check Type A
	1635.02 Rock Pipe Inlet Sediment Trap Type B

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PROJECT REFERENCE NO.	SHEET NO.
39417	EC-2/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

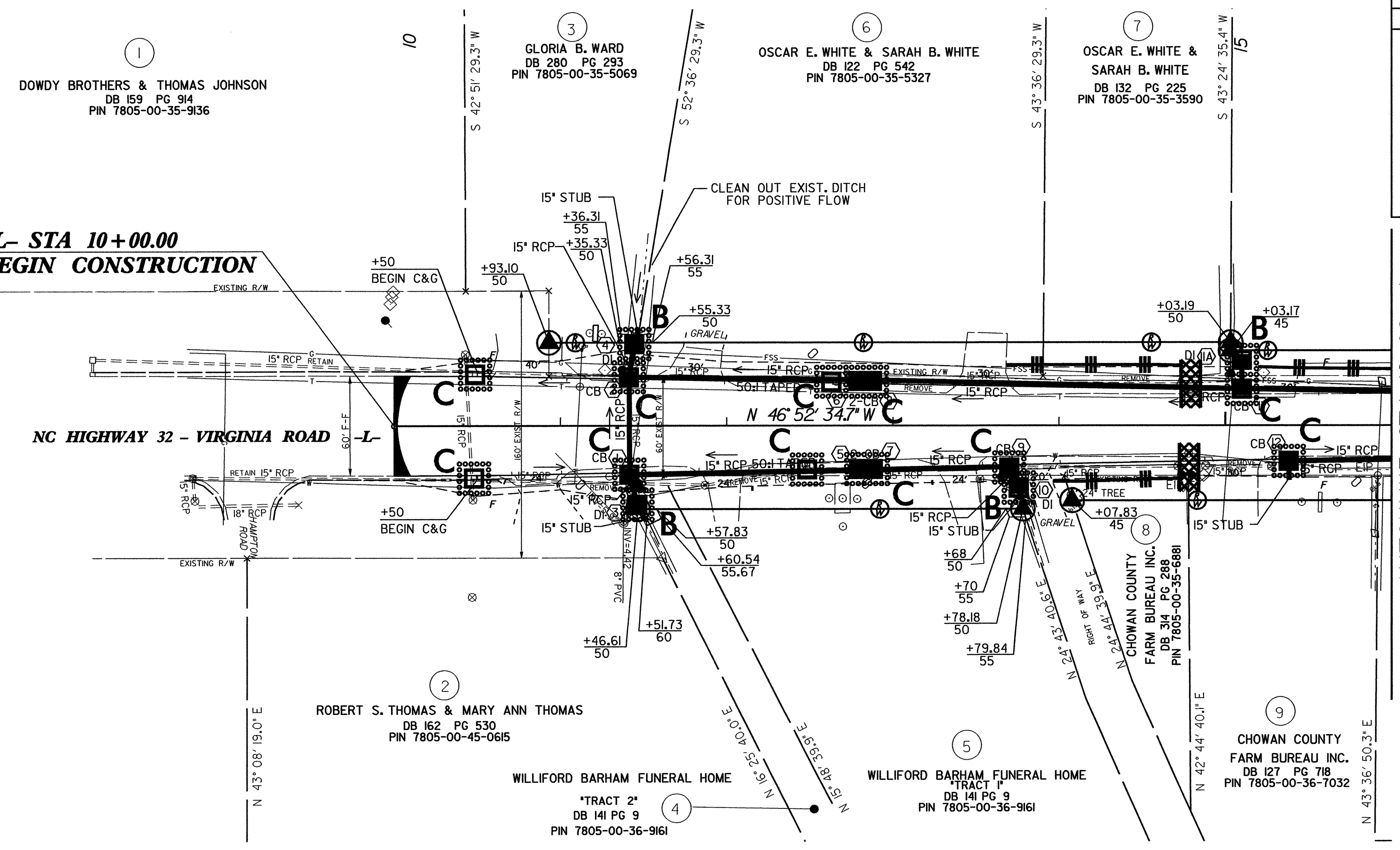
NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

NOTE: DITCH CLEANOUT REQUIRED FROM SR-1200 TO US 17 BYPASS

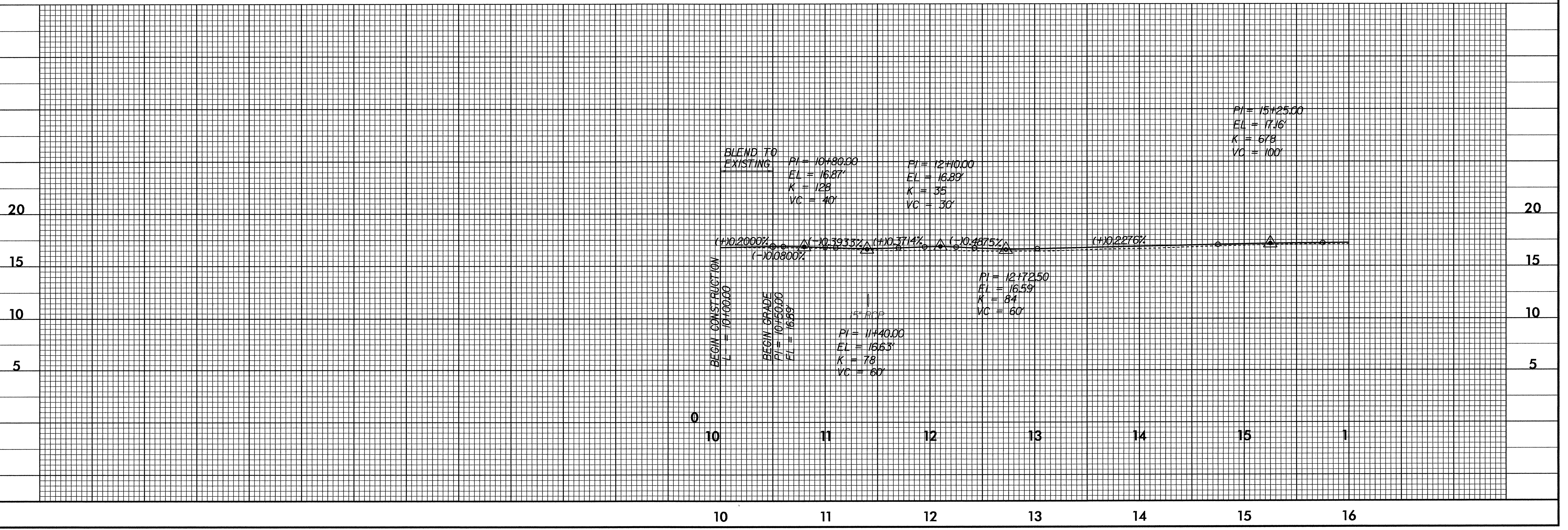
**-L- STA 10+00.00
BEGIN CONSTRUCTION**

NC HIGHWAY 32 - VIRGINIA ROAD -L-

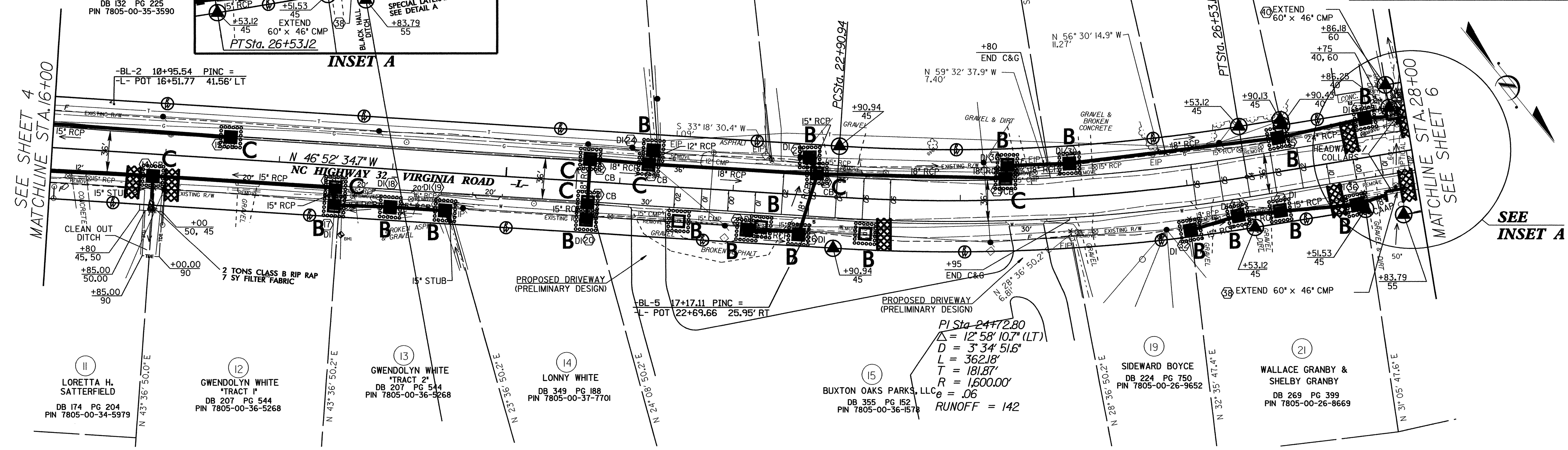
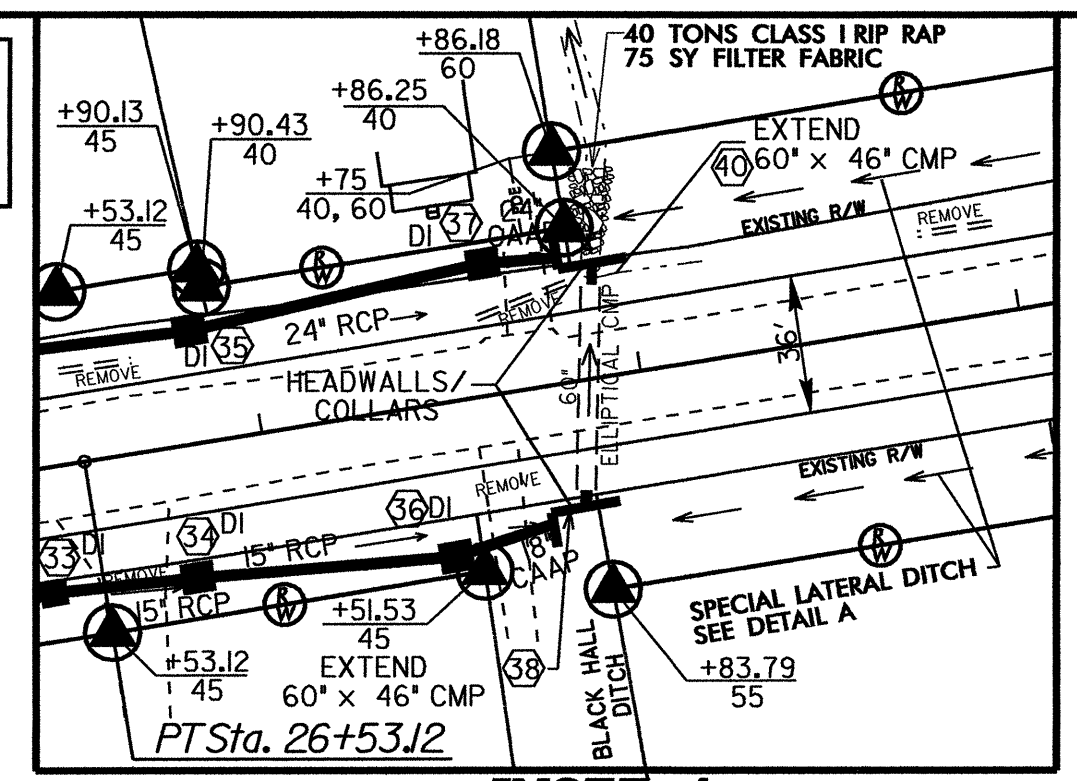
MATCHLINE STA 16+00 -L-
SEE SHEET 5



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

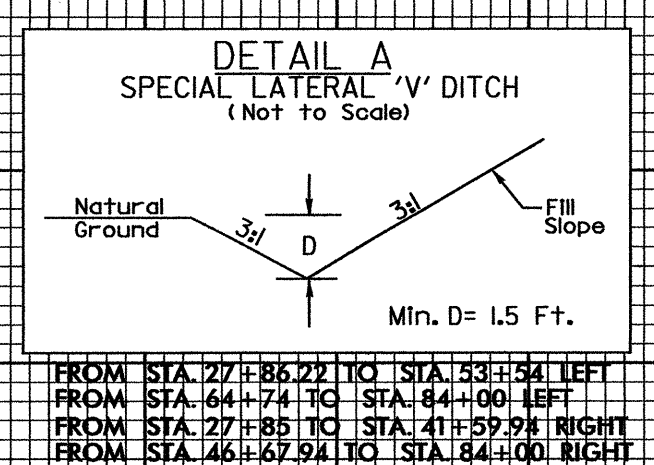


-BL-2 10+95.54 PINC =
L- POT 16+51.77 41.56' LT

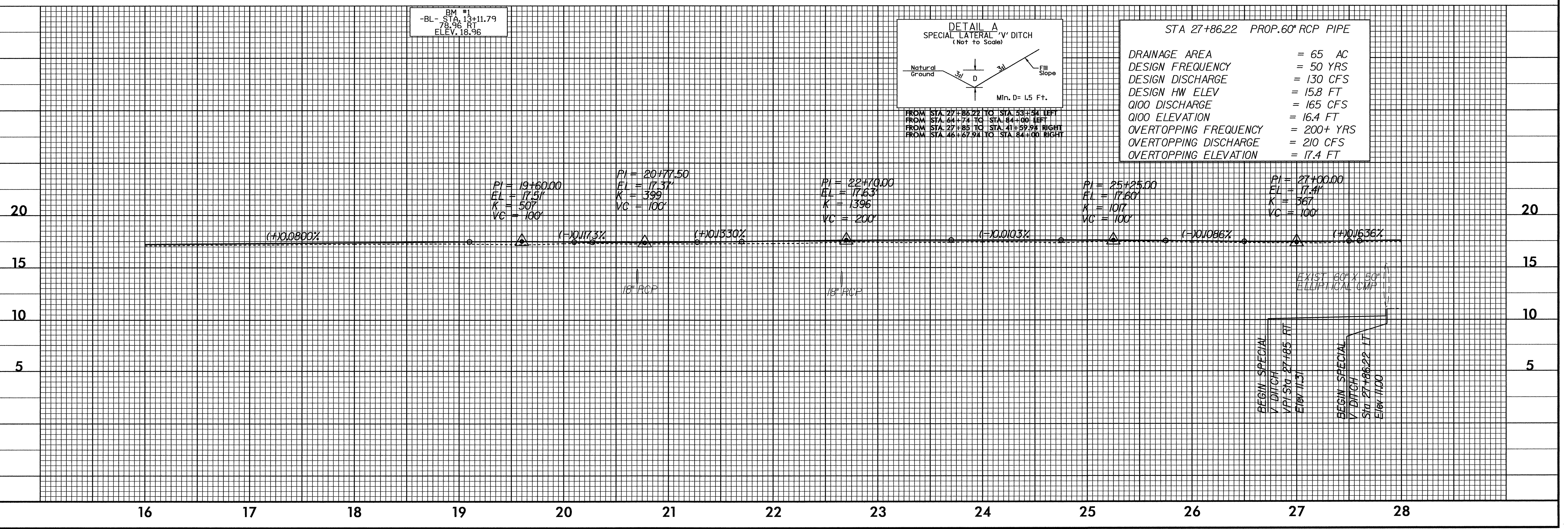
-BL-5 17+17.11 PINC =
L- POT 22+69.66 25.95' RT

PI Sta 24+72.80
Δ = 12° 58' 10.7" (LT)
D = 3' 34' 51.6"
L = 362.18'
T = 181.87'
R = 1,600.00'
e = .06
RUNOFF = 142

BM #1
-BL- STA 13+11.79
78.96 RT
ELEV. 18.96



STA 27+86.22 PROP. 60" RCP PIPE	
DRAINAGE AREA	= 65 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 130 CFS
DESIGN HW ELEV	= 15.8 FT
Q100 DISCHARGE	= 165 CFS
Q100 ELEVATION	= 16.4 FT
OVERTOPPING FREQUENCY	= 200+ YRS
OVERTOPPING DISCHARGE	= 210 CFS
OVERTOPPING ELEVATION	= 17.4 FT

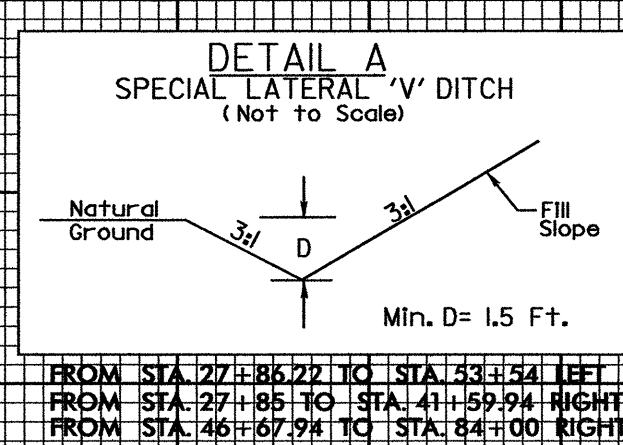
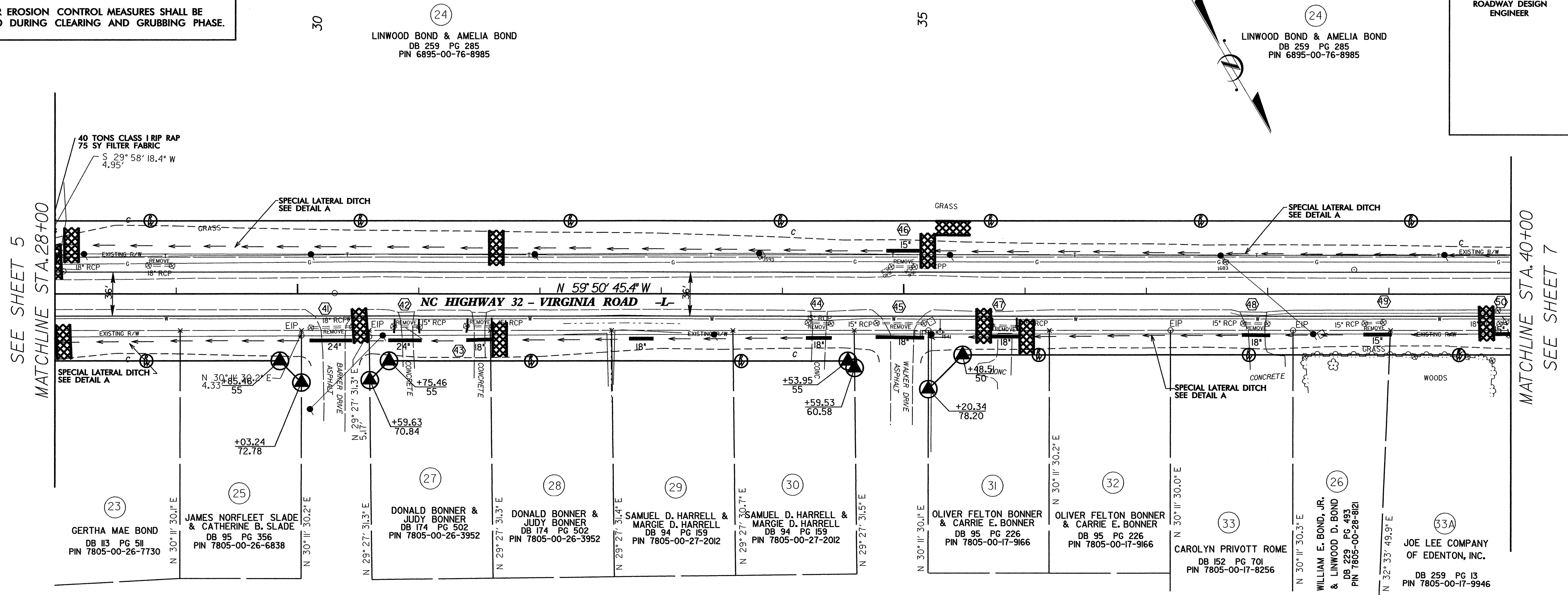


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8/17/99

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

PROJECT REFERENCE NO. 39417	SHEET NO. EC-4/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



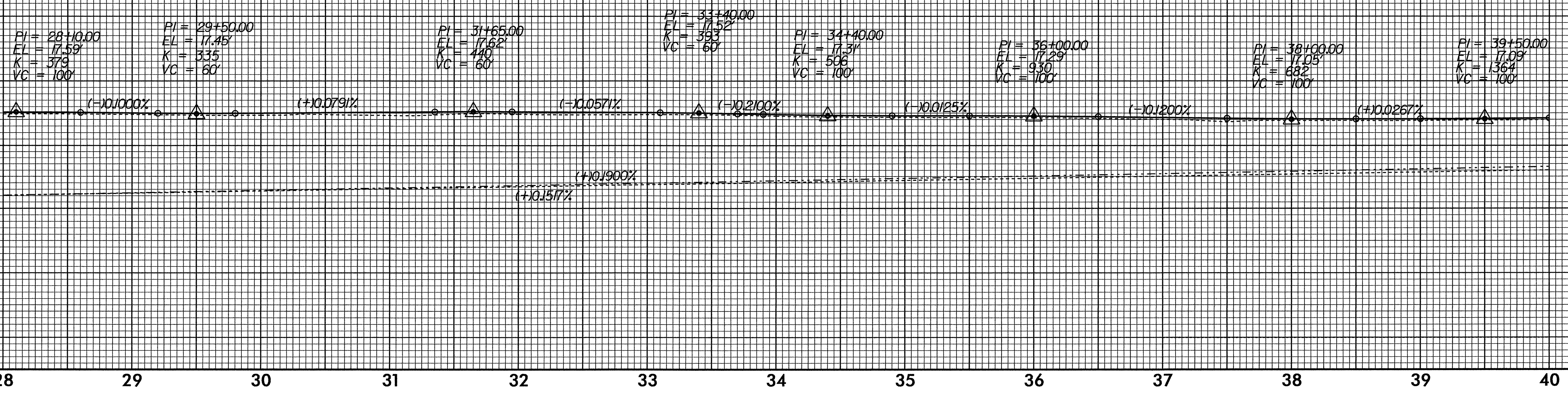
-L- STA 30+30 (RT) SR 1331 (BARKER DRIVE)
PROP. 24" RCP PIPE

DRAINAGE AREA	= 26.6 AC
DESIGN FREQUENCY	= 25 YRS
DESIGN DISCHARGE	= 11.4 CFS
DESIGN HW ELEV	= 131 FT
Q100 DISCHARGE	= 18.2 CFS
Q100 ELEVATION	= 14 FT
OVERTOPPING FREQUENCY	=
VERTOPPING DISCHARGE	=
OVERTOPPING ELEVATION	=

BM #2
-BL- STA. 27+24.01
ELEV. 18.03

-L- STA 35+00 (RT) SR 1332 (WALKER DRIVE)
PROP. 18" RCP PIPE

DRAINAGE AREA	= 18 AC
DESIGN FREQUENCY	= 25 YRS
DESIGN DISCHARGE	= 9 CFS
DESIGN HW ELEV	= 141 FT
Q100 DISCHARGE	= 14.3 CFS
Q100 ELEVATION	= 15.8 FT
OVERTOPPING FREQUENCY	=
OVERTOPPING DISCHARGE	=
OVERTOPPING ELEVATION	=

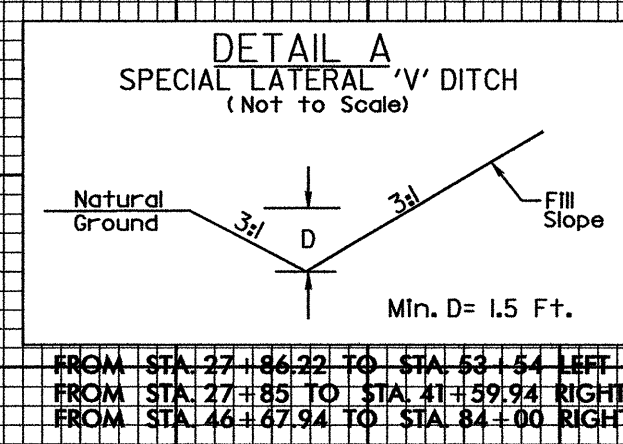
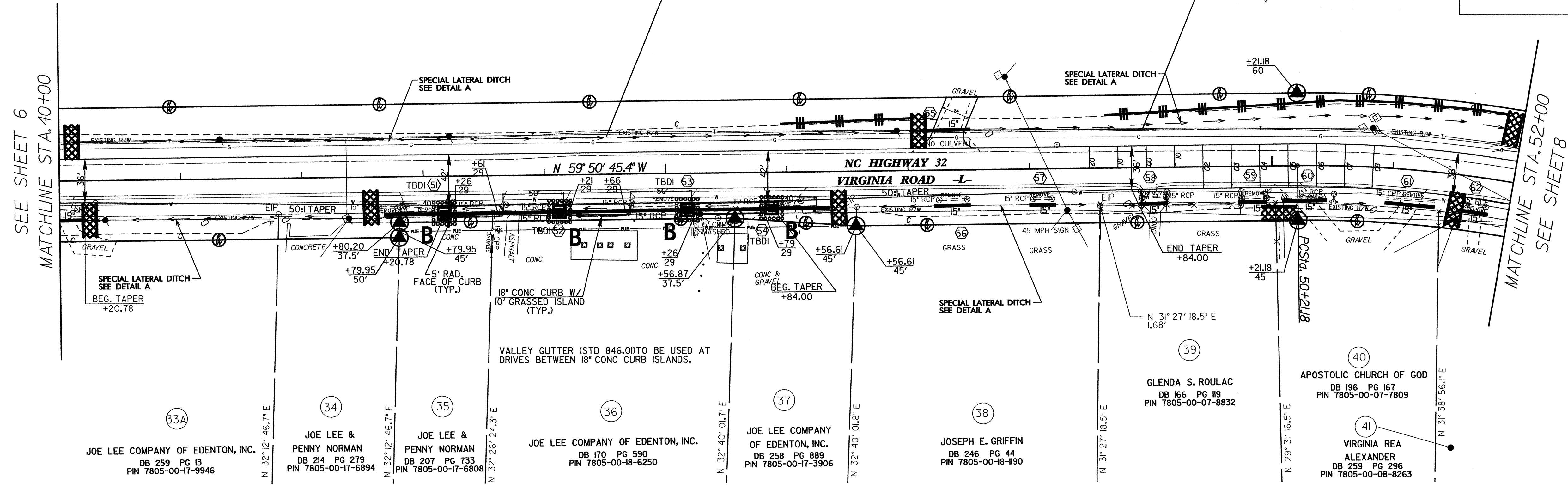


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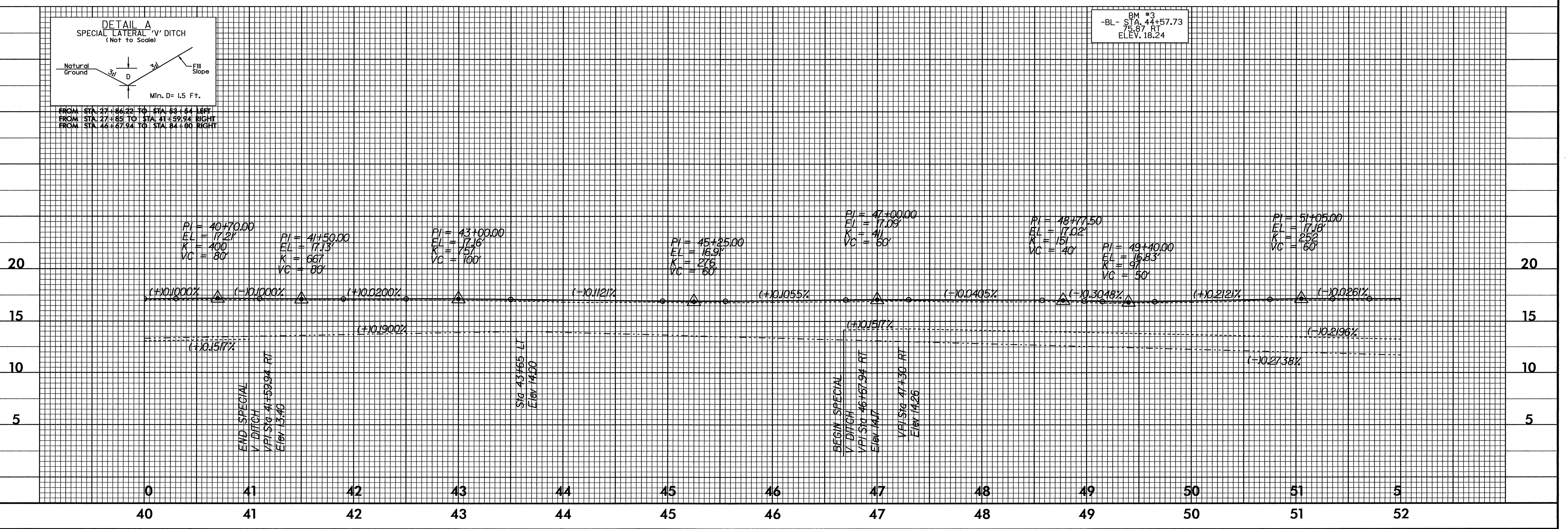
PROJECT REFERENCE NO.	SHEET NO.
39417	EC-5/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



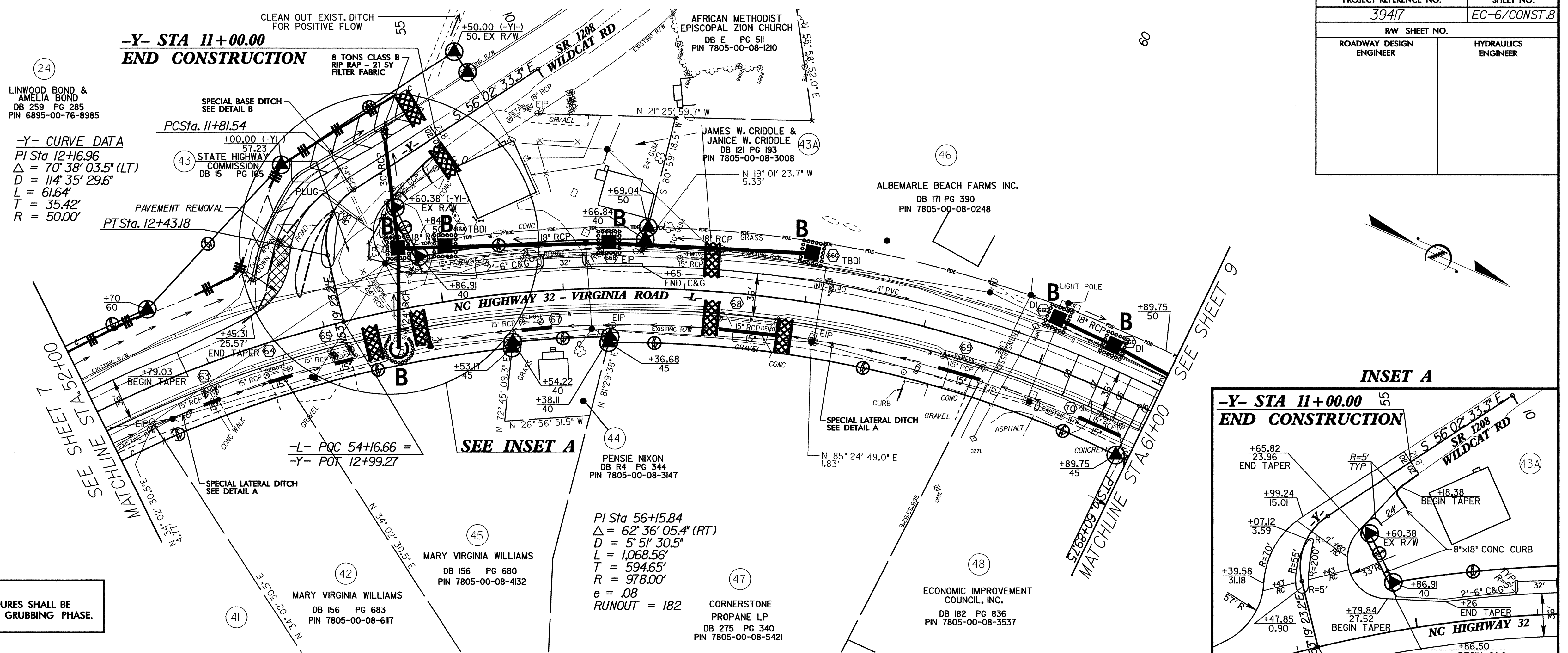
FROM STA. 27+86.22 TO STA. 53+64 LEFT
 FROM STA. 27+85 TO STA. 41+59.94 RIGHT
 FROM STA. 44+47.94 TO STA. 84+00 RIGHT

BM #3
 -BL- STA. 44+57.73
 16.87 FT
 ELEV. 18.24

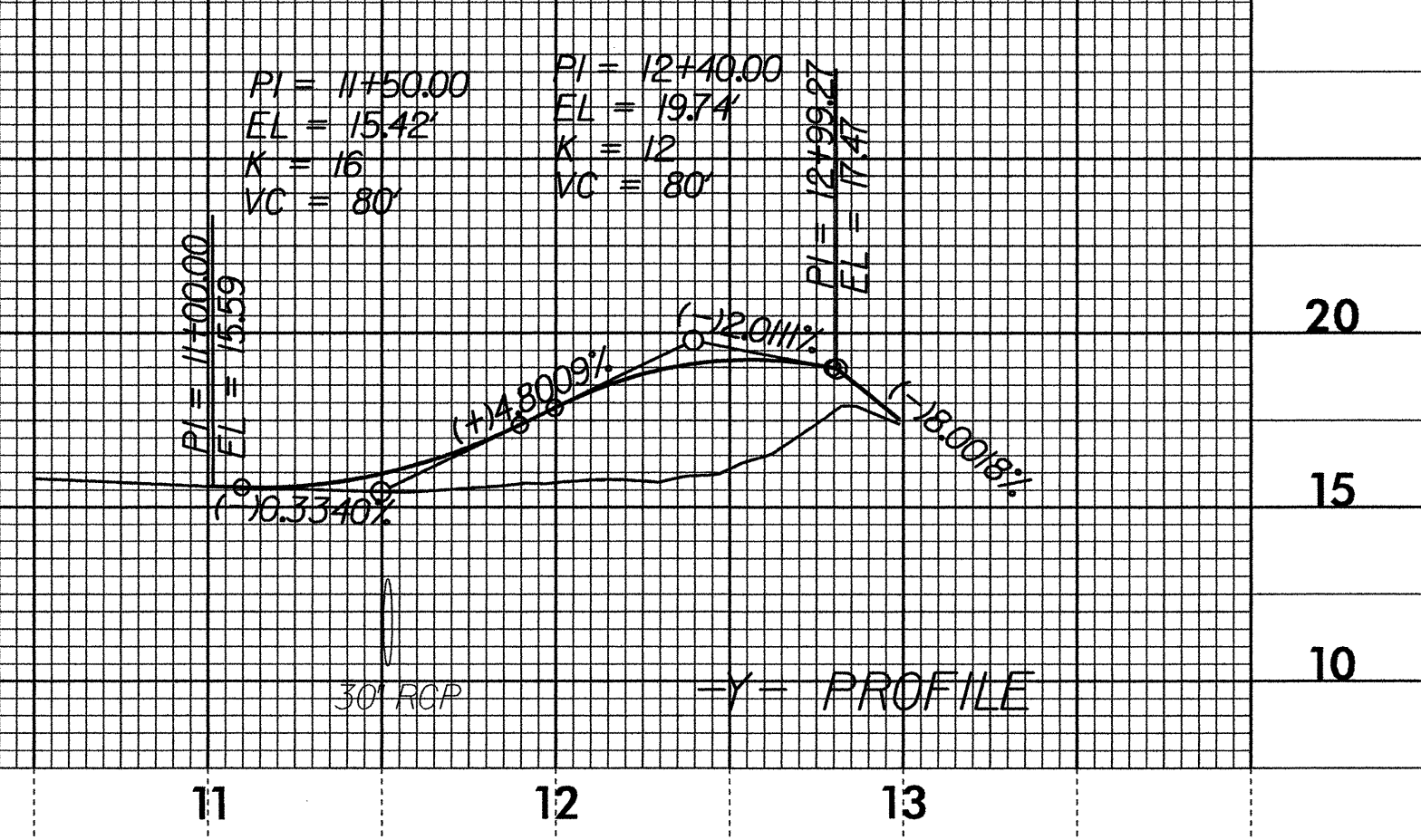
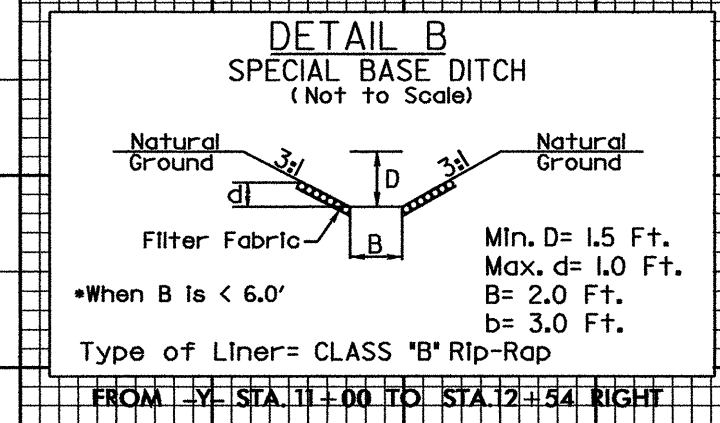
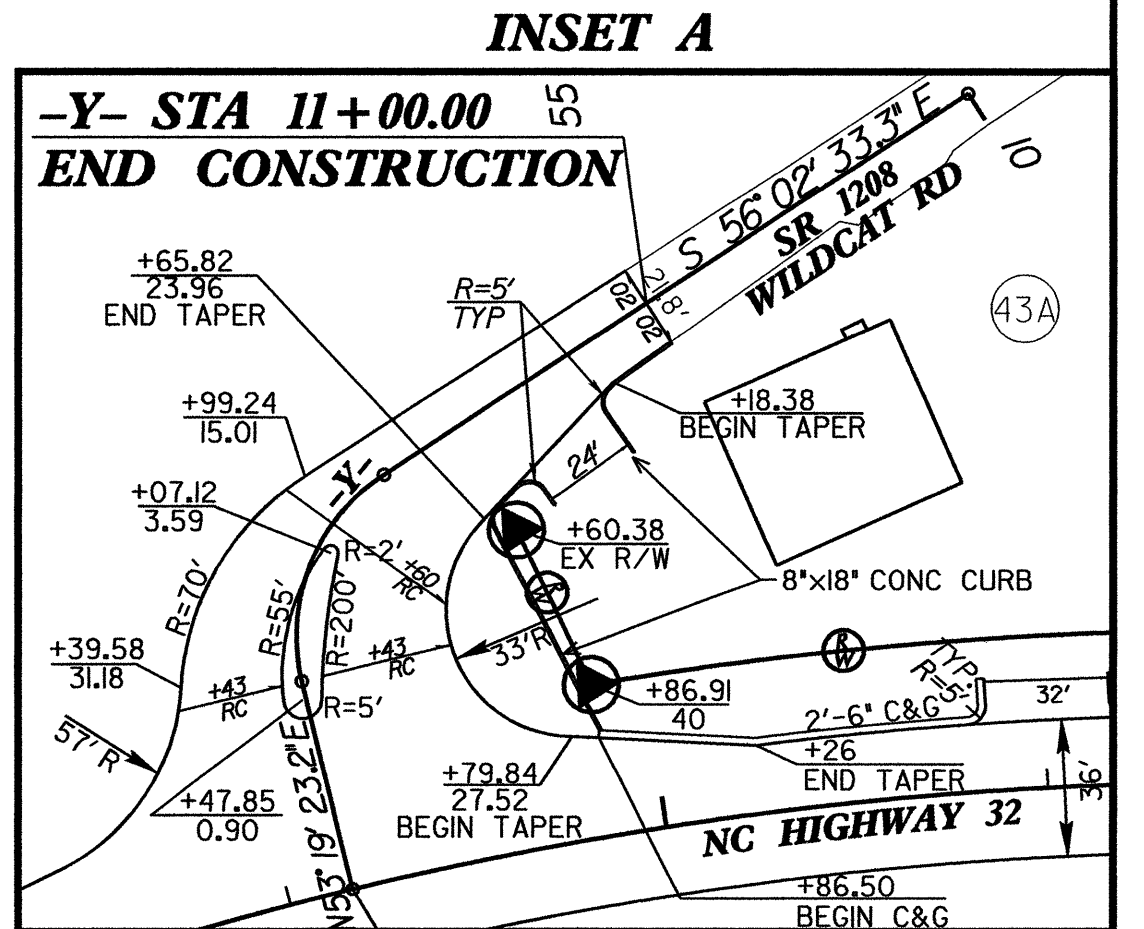


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PROJECT REFERENCE NO.	SHEET NO.
39417	EC-6/CONST.8
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

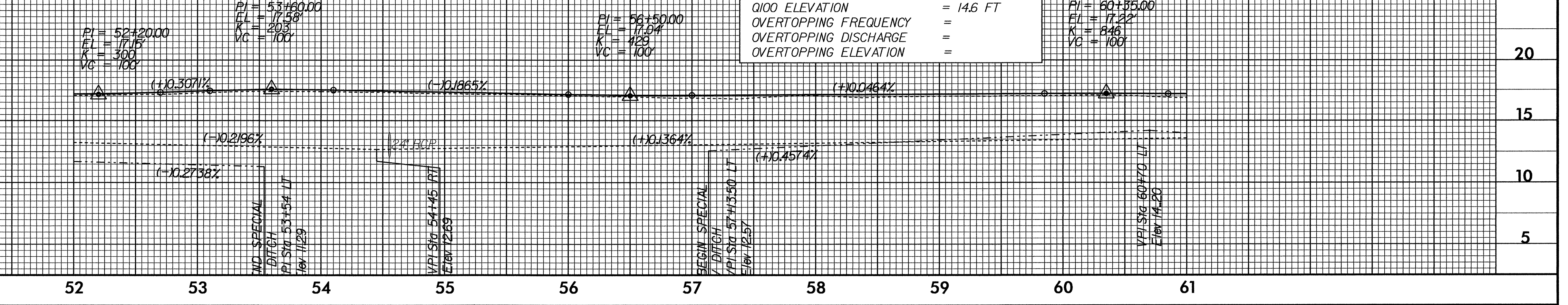
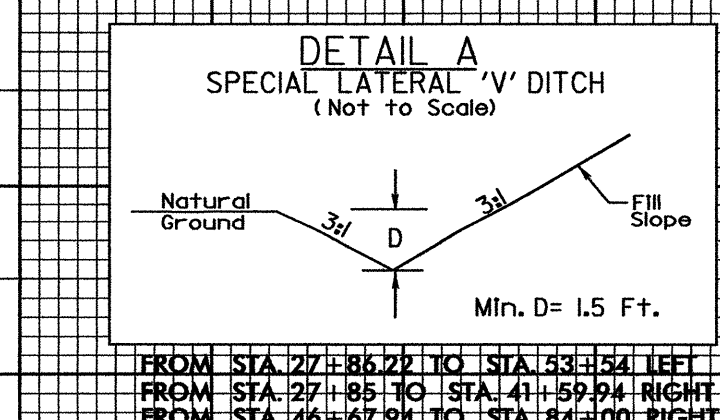


NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.



-Y- STA 11+50 PROP. 30" RCP PIPE

DRAINAGE AREA	= 31 AC
DESIGN FREQUENCY	= 25 YRS
DESIGN DISCHARGE	= 14 CFS
DESIGN HW ELEV	= 12.3 FT
Q100 DISCHARGE	= 22 CFS
Q100 ELEVATION	= 12.75 FT
OVERTOPPING FREQUENCY	=
OVERTOPPING DISCHARGE	=
OVERTOPPING ELEVATION	=



STA 54+57 PROP. 24" RCP PIPE

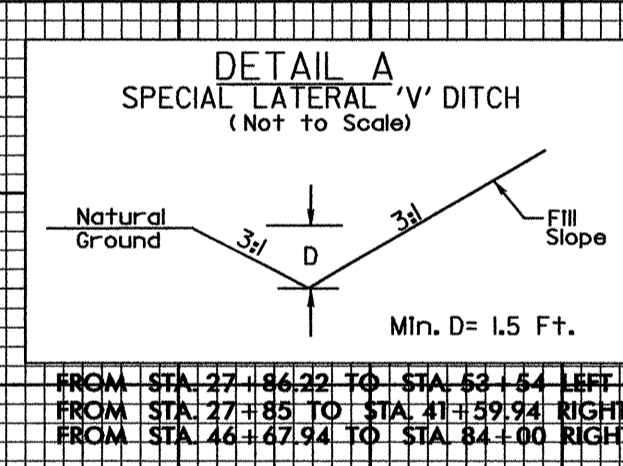
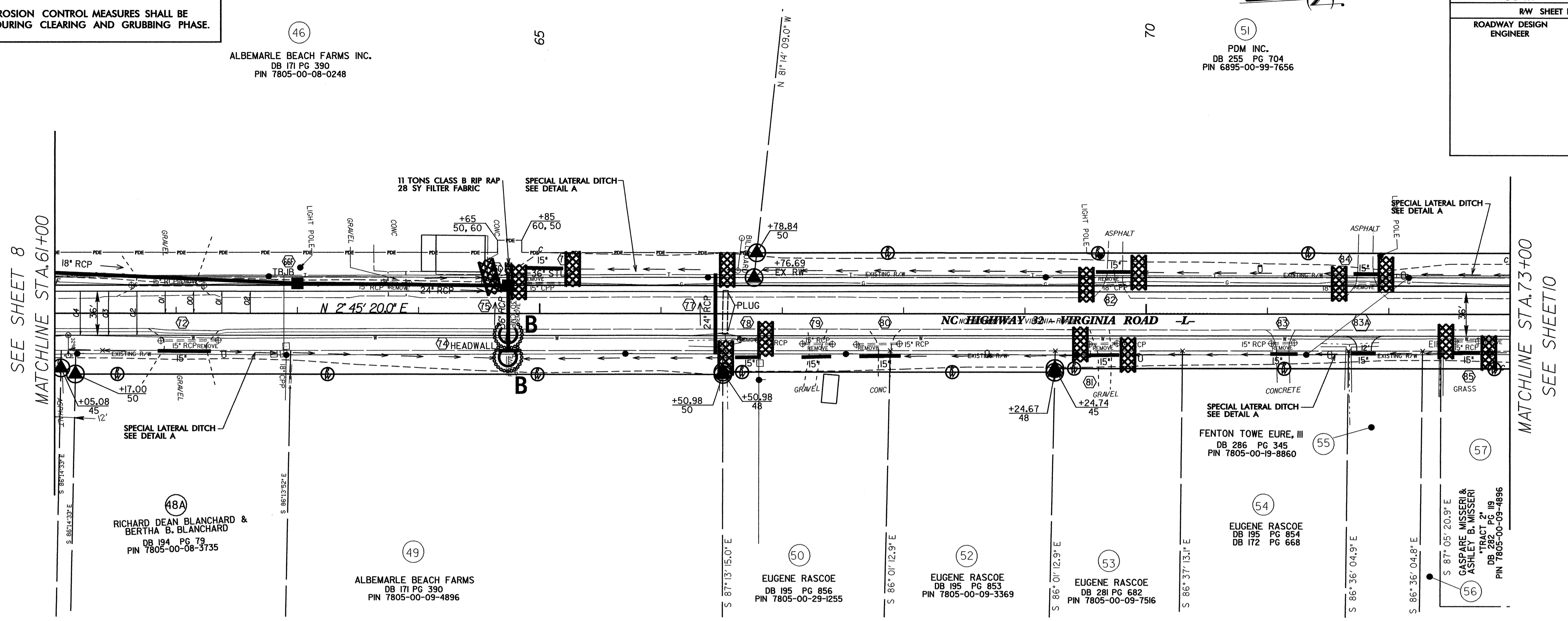
DRAINAGE AREA	= 29 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 15 CFS
DESIGN HW ELEV	= 14.2 FT
Q100 DISCHARGE	= 18 CFS
Q100 ELEVATION	= 14.6 FT
OVERTOPPING FREQUENCY	=
OVERTOPPING DISCHARGE	=
OVERTOPPING ELEVATION	=

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

PROJECT REFERENCE NO. 39417	SHEET NO. EC-7/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

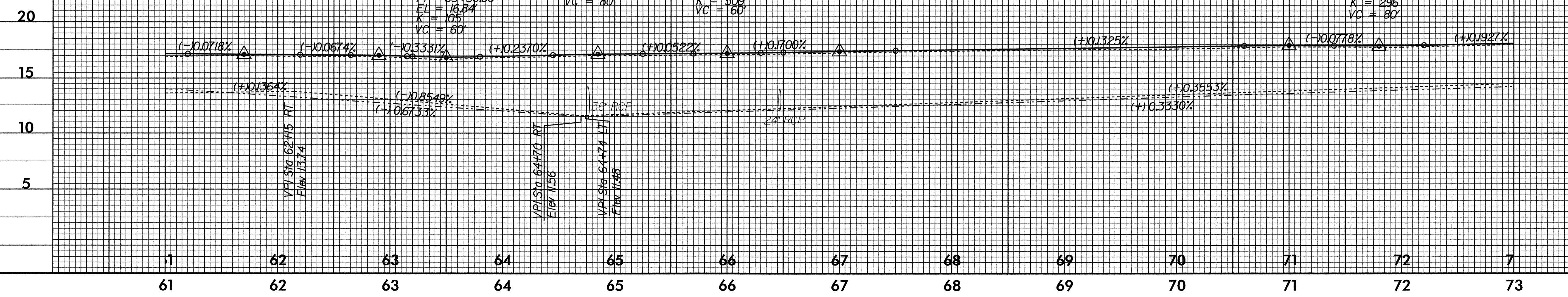


STA 64+74 PROP. 36\" RCP PIPE	
DRAINAGE AREA	= 24 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 14 CFS
DESIGN HW ELEV	= 13.1 FT
Q100 DISCHARGE	= 17 CFS
Q100 ELEVATION	= 13.4 FT
OVERTOPPING FREQUENCY	=
OVERTOPPING DISCHARGE	=
OVERTOPPING ELEVATION	=

STA 66+45 PROP. 24\" RCP PIPE	
DRAINAGE AREA	= 17.5 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 15.2 CFS
DESIGN HW ELEV	= 18.4 CFS
Q100 DISCHARGE	= 18.4 CFS
Q100 ELEVATION	=
OVERTOPPING FREQUENCY	=
OVERTOPPING DISCHARGE	=
OVERTOPPING ELEVATION	=

BM #4
-BL- STA 64+94.51
68.25 FT
ELEV. 16.14

PI = 61+70.00 EL = 17.12' K = 22480 VC = 100'	PI = 62+90.00 EL = 17.04' K = 188 VC = 50'	PI = 63+50.00 EL = 16.84' K = 105 VC = 60'	PI = 64+85.00 EL = 17.16' K = 433 VC = 80'	PI = 66+00.00 EL = 17.22' K = 509 VC = 60'	PI = 67+00.00 EL = 17.39' K = 2667 VC = 100'	PI = 71+00.00 EL = 17.92' K = 340 VC = 80'	PI = 71+80.00 EL = 17.86' K = 296 VC = 80'
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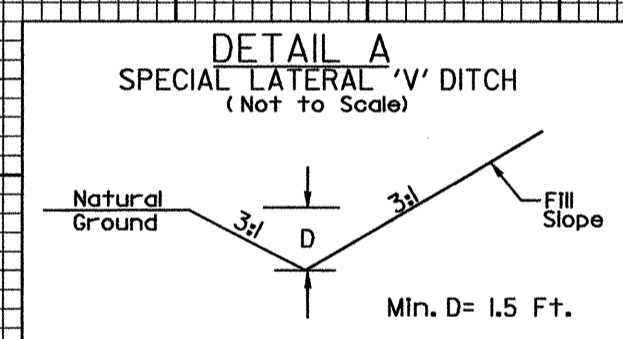
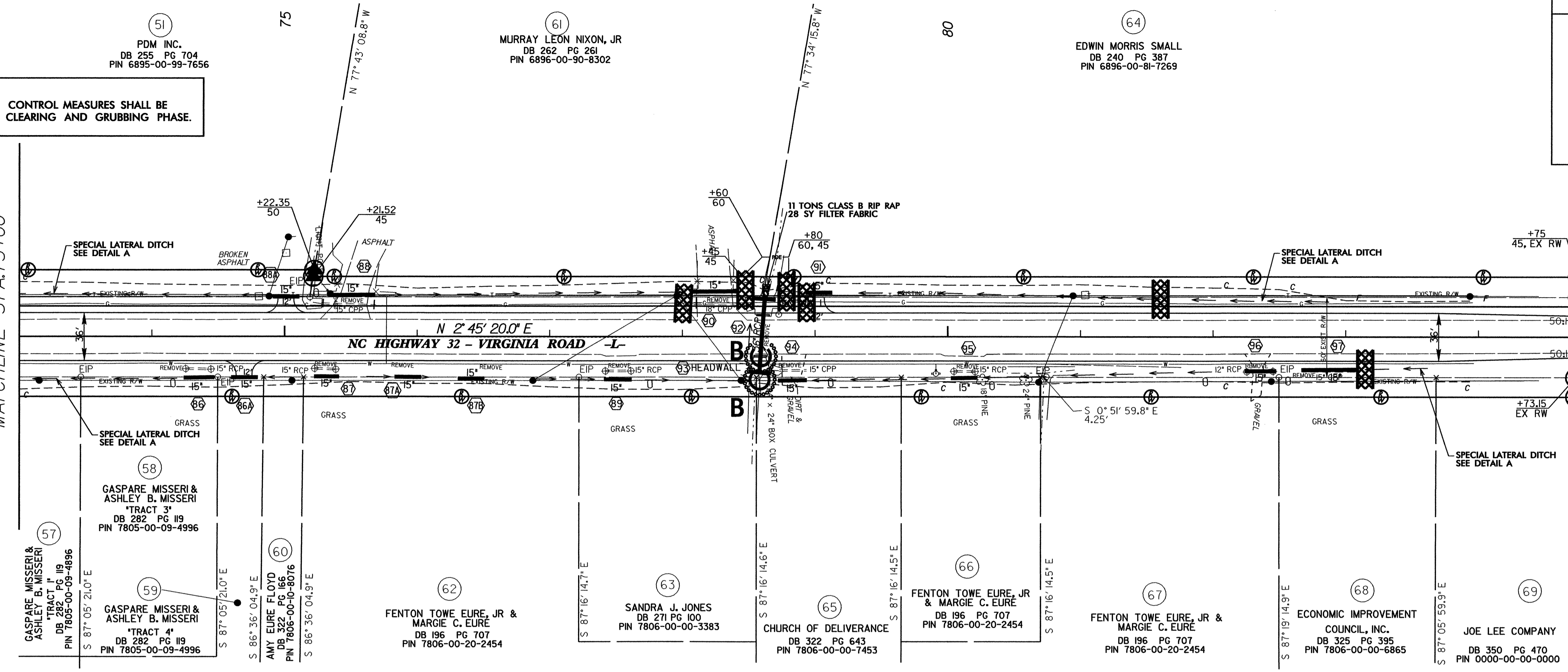
PROJECT REFERENCE NO.	SHEET NO.
39417	EC-8/CONST 10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

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

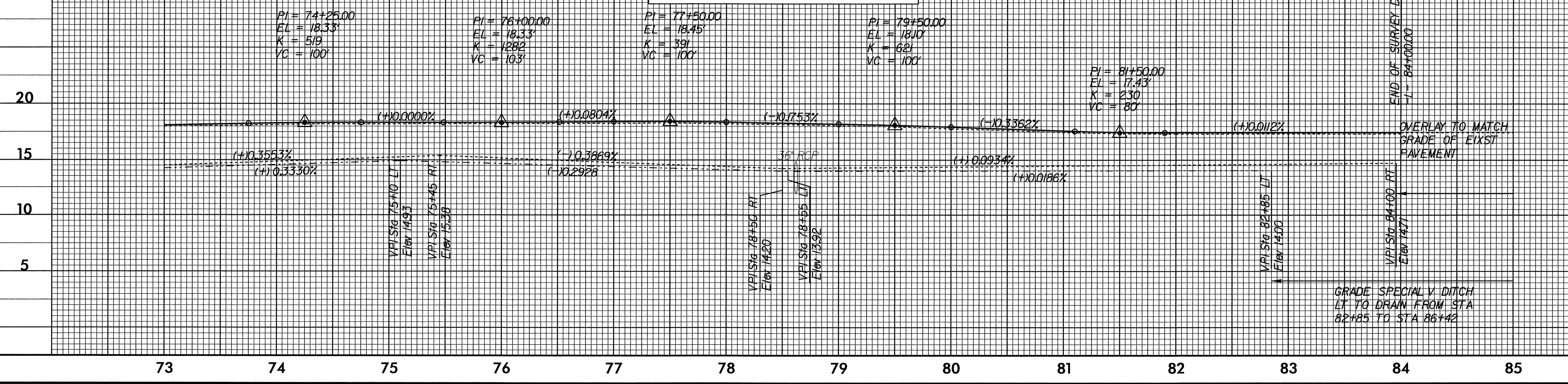
SEE SHEET 9
MATCHLINE STA. 73+00

MATCHLINE STA. 85+00
SEE SHEET 11



FROM STA. 37+86.22 TO STA. 63+64 LEFT
FROM STA. 27+85 TO STA. 41+39.94 RIGHT
FROM STA. 46+47.94 TO STA. 84+00 RIGHT

STA 78+60 PROP. 36\"/>	
DRAINAGE AREA	= 13.7 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 9 CFS
DESIGN HW ELEV	= 14.8 FT
Q100 DISCHARGE	= 11 CFS
Q100 ELEVATION	=
OVERTOPPING FREQUENCY	=
OVERTOPPING DISCHARGE	=
OVERTOPPING ELEVATION	=



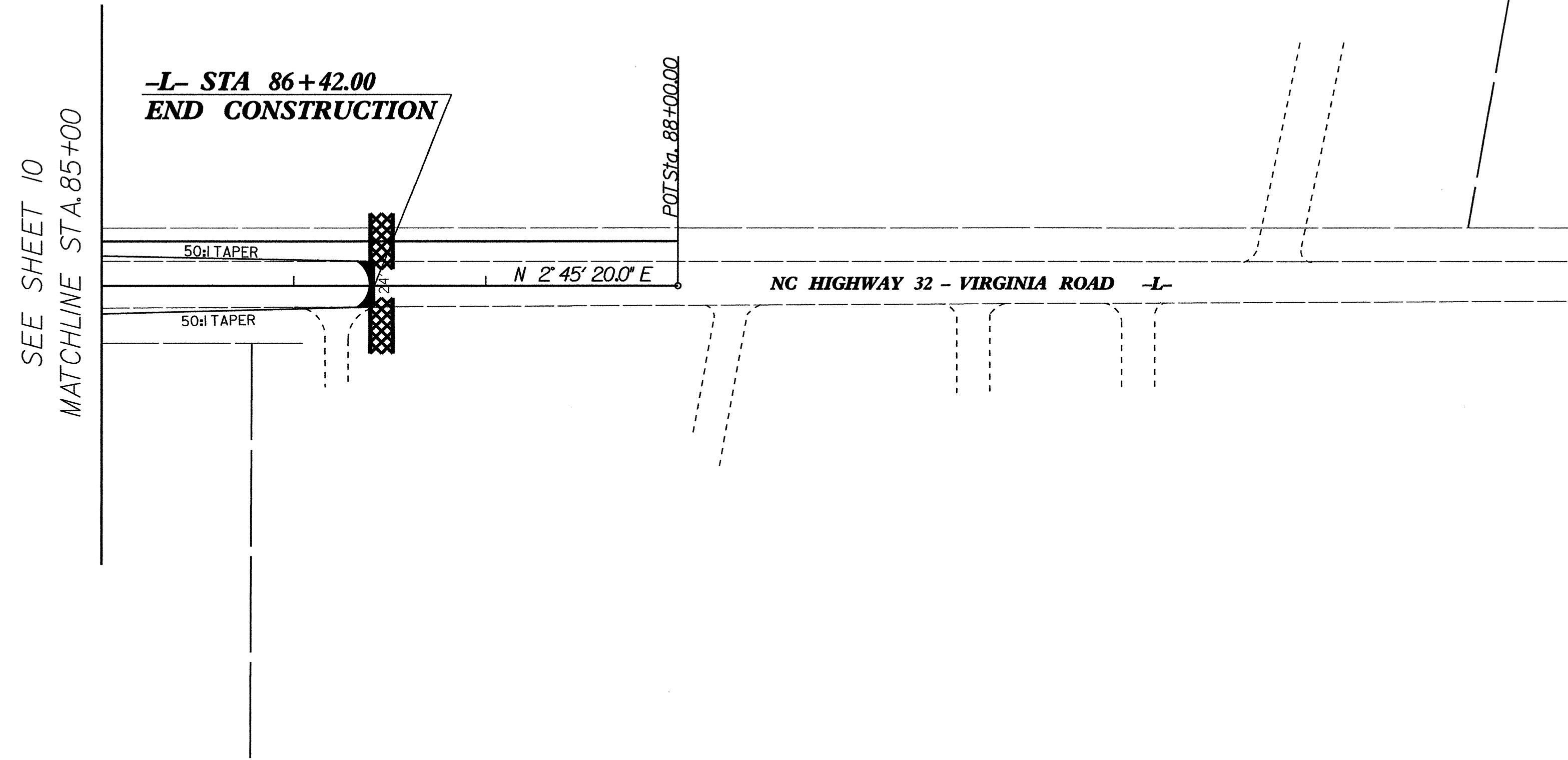
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8/17/99

64
EDWIN MORRIS SMALL
DB 240 PG 387
PIN 6896-00-81-7269

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

PROJECT REFERENCE NO.	SHEET NO.
39417	EC-9/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



SEE SHEET 10
MATCHLINE STA. 85+00

**-L- STA 86+42.00
END CONSTRUCTION**

50:1 TAPER

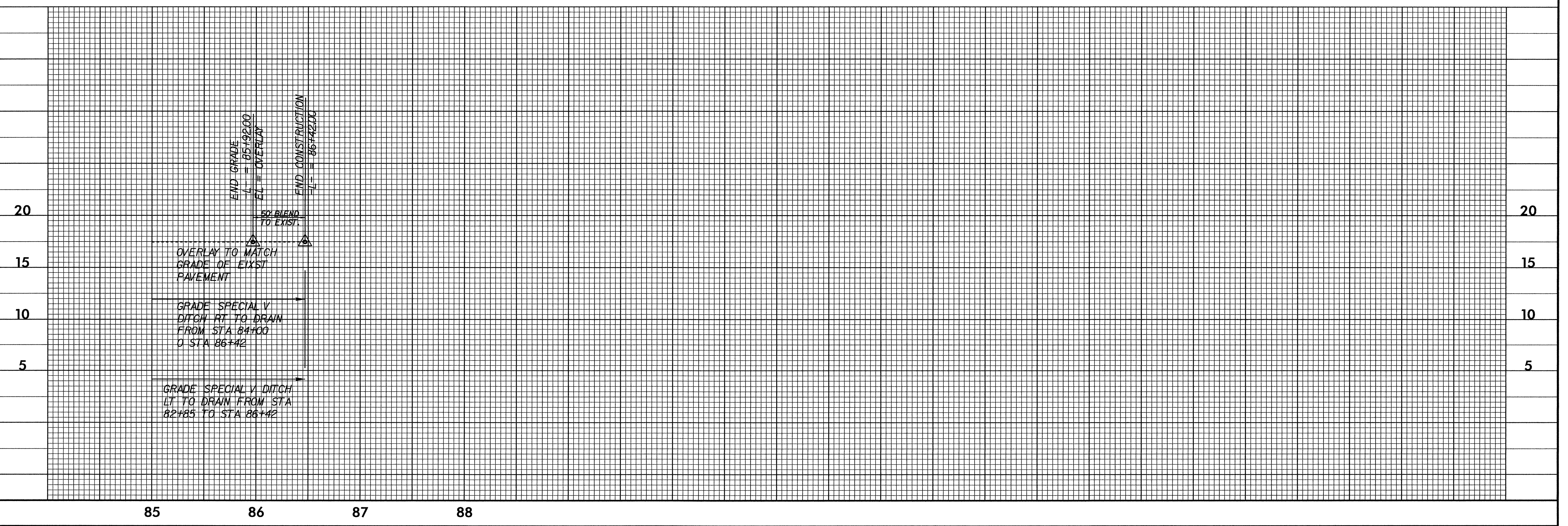
POT Sta. 88+00.00

N 2° 45' 20.0\"

NC HIGHWAY 32 - VIRGINIA ROAD -L-

50:1 TAPER

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shobbs



85 86 87 88

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