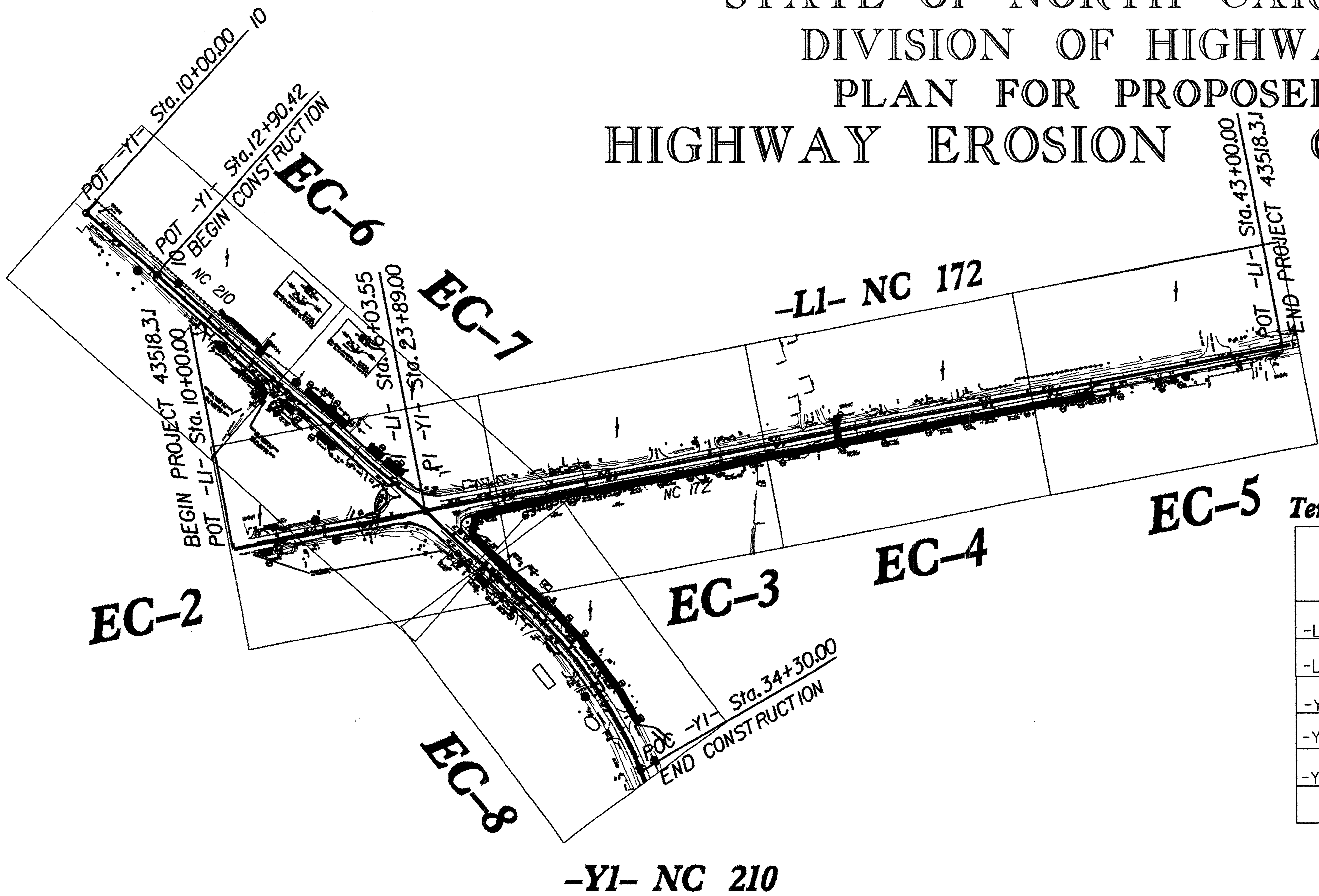
PROJECT: 43518.3.1

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	43518.3.1	EC-1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

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



Temporary Liner (Matting) in Ditchline

Station to Station	LT/RT ℄	Matting Required (yds²)
-L1- 10+52 TO -L1- 13+34	LT	395 SY
-L1- 10+83 TO -L1- 14+50	RT	515 SY
-Y1- 16+83 TO -Y1- 22+56	LT	800 sy
-Y1- 18+59 TO -Y1- 21+55	RT	440 SY
-Y1- 33+00 TO -Y1- 35+98	LT	625 SY

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1633.02	Temporary Rock Silt Check Type-B	
	Wattle / Coir Fiber Wattle	WW / CFW
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	
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	
1630.06	Special 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	
	Infiltration Basin	
	Safety Fence	

SEEDING REQUIREMENTS:
"Slopes left exposed will, within 14 calendar days of completion of any phase of grading, be planted or otherwise provided with temporary or permanent ground cover, devices, or structures sufficient to restrain erosion."

Stormwater Discharge Outfall (SDO)

SDO Number	Station	Distance from ℄	Discription
SDO-1	-L- 10+52	33.8' LT.	12" Wattle
SDO-2	-L- 10+83	31.8' RT.	12" Wattle
SDO-3	-L- 42+52	31.5' RT.	12" Wattle
SDO-4	-Y- 10+28	29.9' RT.	12" Wattle
SDO-5	-Y- 10+28	29.0' LT.	12" Wattle
SDO-6	-Y- 16+83	31.0' LT.	12" Wattle
SDO-7	-L- 28+99	30.0' RT.	Silt Fence
SDO-8	-Y- 35+50	39.4' RT.	12" Wattle
SDO-9	-Y- 35+98	51.2' LT.	12" Wattle

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

For Reference Please Visit Roadside Environmental:
http://www.ncdot.org/doh/operations/dp chief eng/roadside/fieldops/downloads/

GRAPHIC SCALE

30 0 60
PLANS

30 0 60
PROFILE (HORIZONTAL)

3 0 6
PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared In the Office of:
DIVISON 3 DDC UNIT
5501 Barbados Blvd.
Castle Hayne, NC 28429
By: Carla Schoonmaker, No. 198

2012 STANDARD SPECIFICATIONS

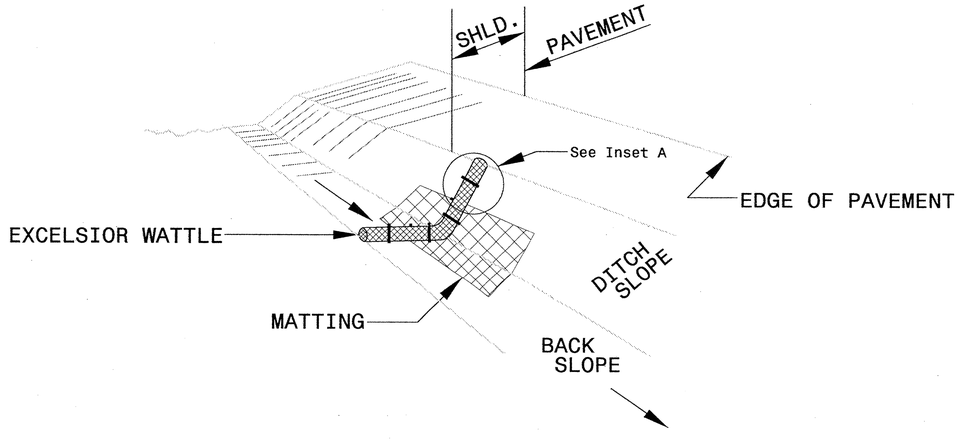
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

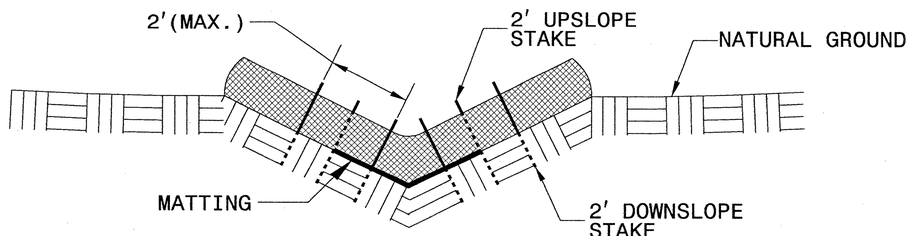
1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type B
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type A
1622.01	Temporary Berms and Slope Drains	1633.02	Temporary Rock Silt Check Type B
1630.01	Riser Basin	1634.01	Temporary Rock Sediment Dam Type A
1630.02	Silt Basin Type B	1634.02	Temporary Rock Sediment Dam Type B
1630.03	Temporary Silt Ditch	1635.01	Rock Pipe Inlet Sediment Trap Type A
1630.04	Stilling Basin	1635.02	Rock Pipe Inlet Sediment Trap Type B
1630.05	Temporary Diversion	1640.01	Coir Fiber Baffle
1630.06	Special Stilling Basin	1645.01	Temporary Stream Crossing
1631.01	Matting Installation		

435I8.3.1	EC-1A

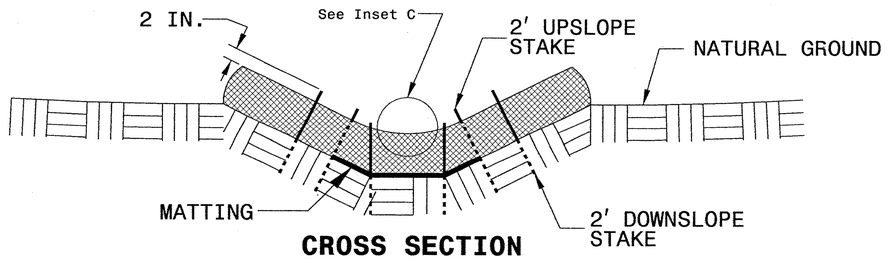
WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

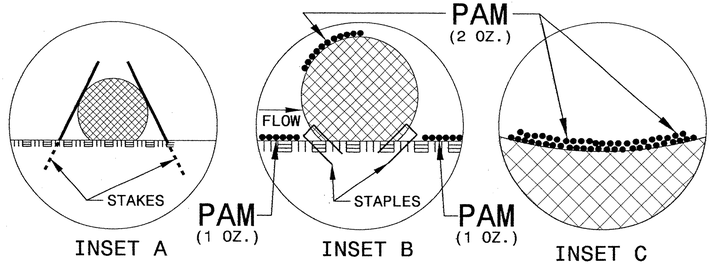
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

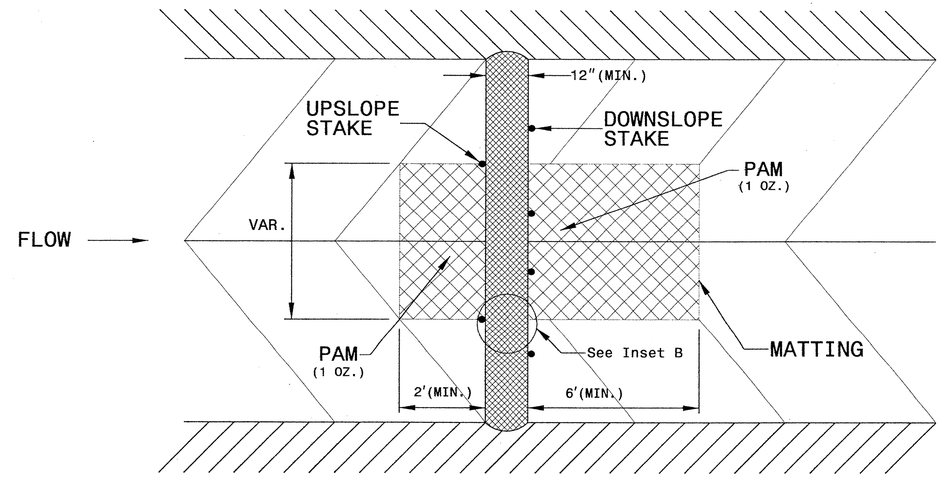
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

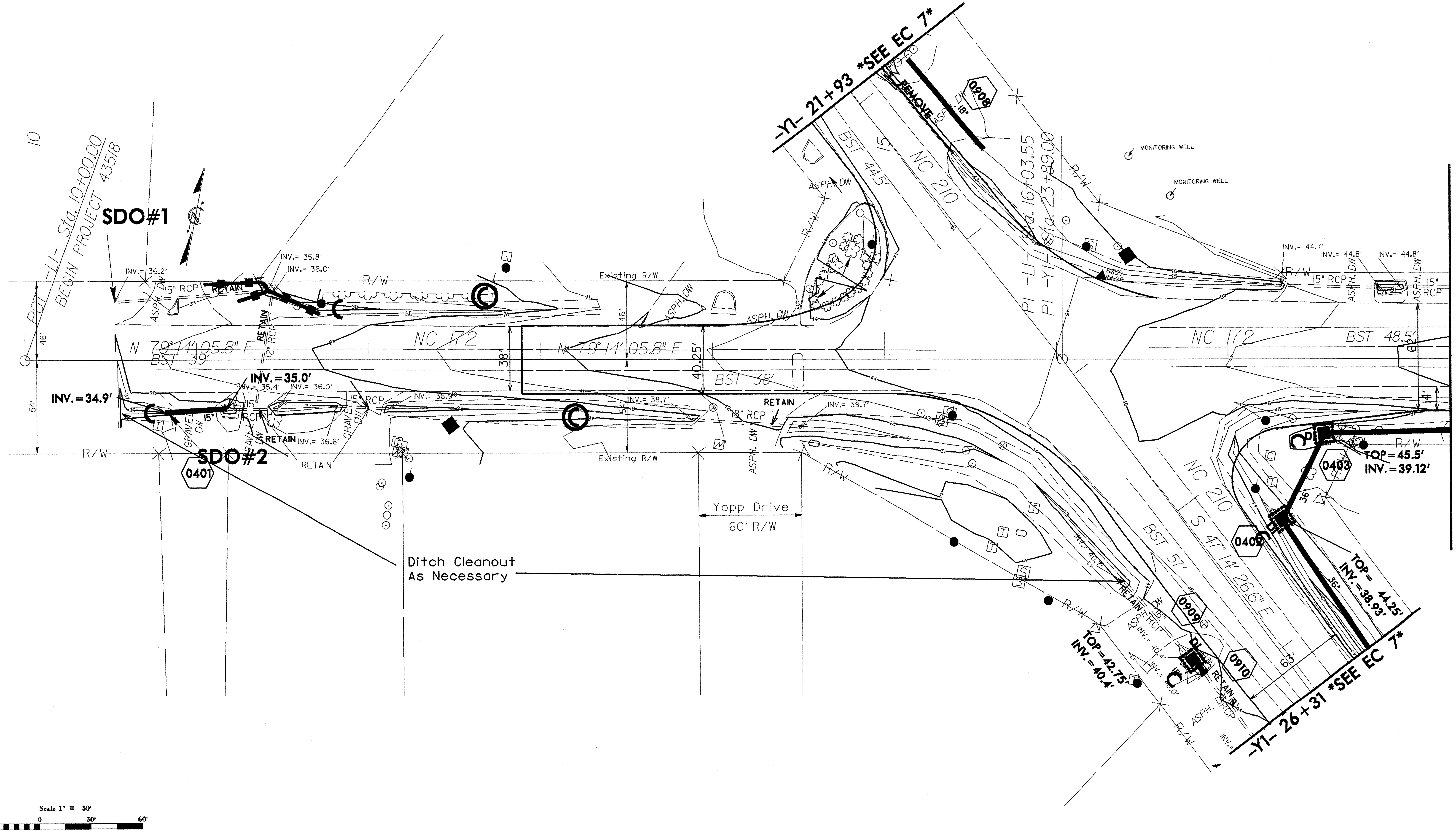
INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.





TOP VIEW

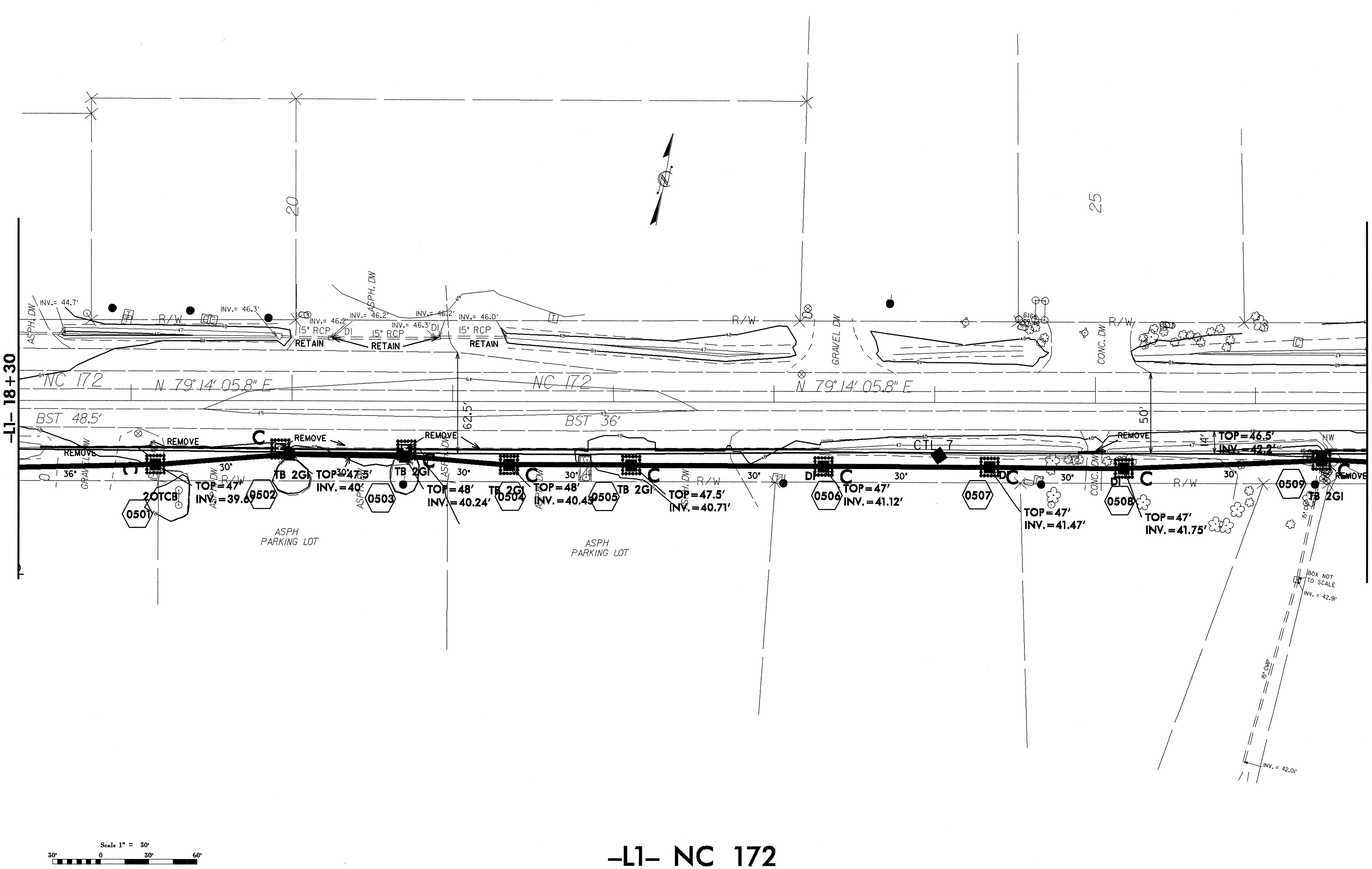
PROJECT REFERENCE NO.	SHEET NO.
43518.3.1	EC-2



Scale 1" = 30'

-L1- NC 172

PROJECT REFERENCE NO.	SHEET NO.
43518.3.1	EC-3



-L1- NC 172

REVISIONS

8/17/99

25-JUL-2012 14:53
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PROJECT REFERENCE NO.	SHEET NO.
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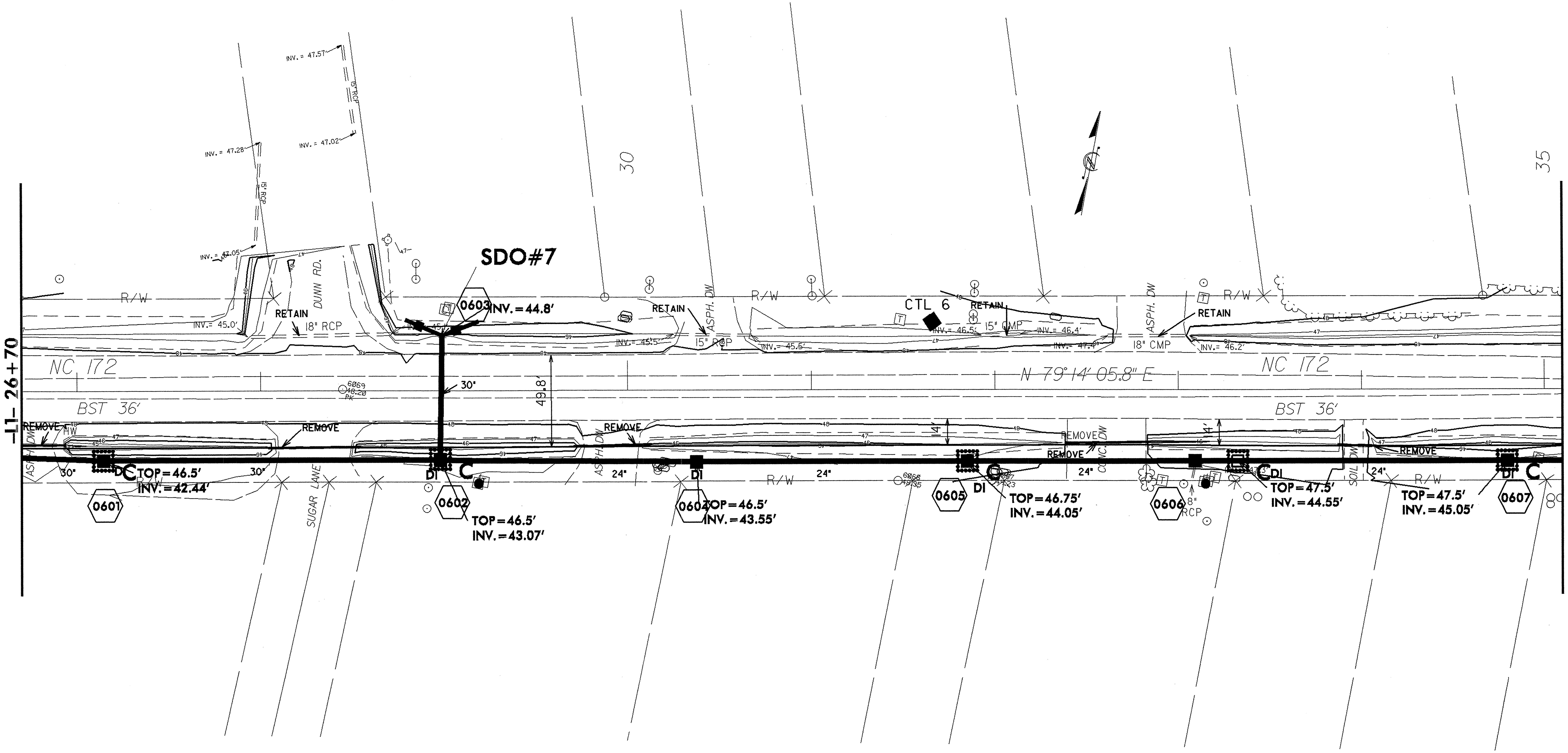

-L1- NC 172

Scale 1" = 30'

30' 0 30' 60'

REVISIONS

8/17/99

25-JUL-2002 14:53
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PROJECT REFERENCE NO.	SHEET NO.
43518.3.1	EC-5

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PROJECT REFERENCE NO.	SHEET NO.
43518.3.1	EC-6

8/17/99

REVISIONS

POT –Y1– Sta. 10+00.00

BEGIN CONSTRUCTION

SDO#5

INV.= 41.2'

Existing R/W

R/W

NC 210

100'

30'

34'

S 48° 26' 08.0" E

NC 210

54.5'

BST 30'

INV.= 40.5'

15" RCP

INV.= 40.4'

INV.= 40.4'

24" RCP

SDO#4

INV.= 41.9'

Existing R/W

R/W

60' Private R/W

PINEY WOODS ROAD

(AS PER MB 24 PG. 238)

15

WATER FLOW

SDO#6

INV.= 34.8'

RETAIN

ASPH. DW

INV.= 36.5'

RETAIN

24" RCP

INV.= 33.6'

INV.= 33.2'

INV.= 32.5'

36" RCP

BST 43'

RETAIN

ASPH. DW

INV.= 32.6'

INV.= 32.3'

INV.= 32.3'

INV.= 32.1'

INV.= 36.0'

36" RCP

–Y1– 17+90

NOT TO SCALE

Scale 1" = 30'

30' 0 30' 60'

–Y1– NC 210

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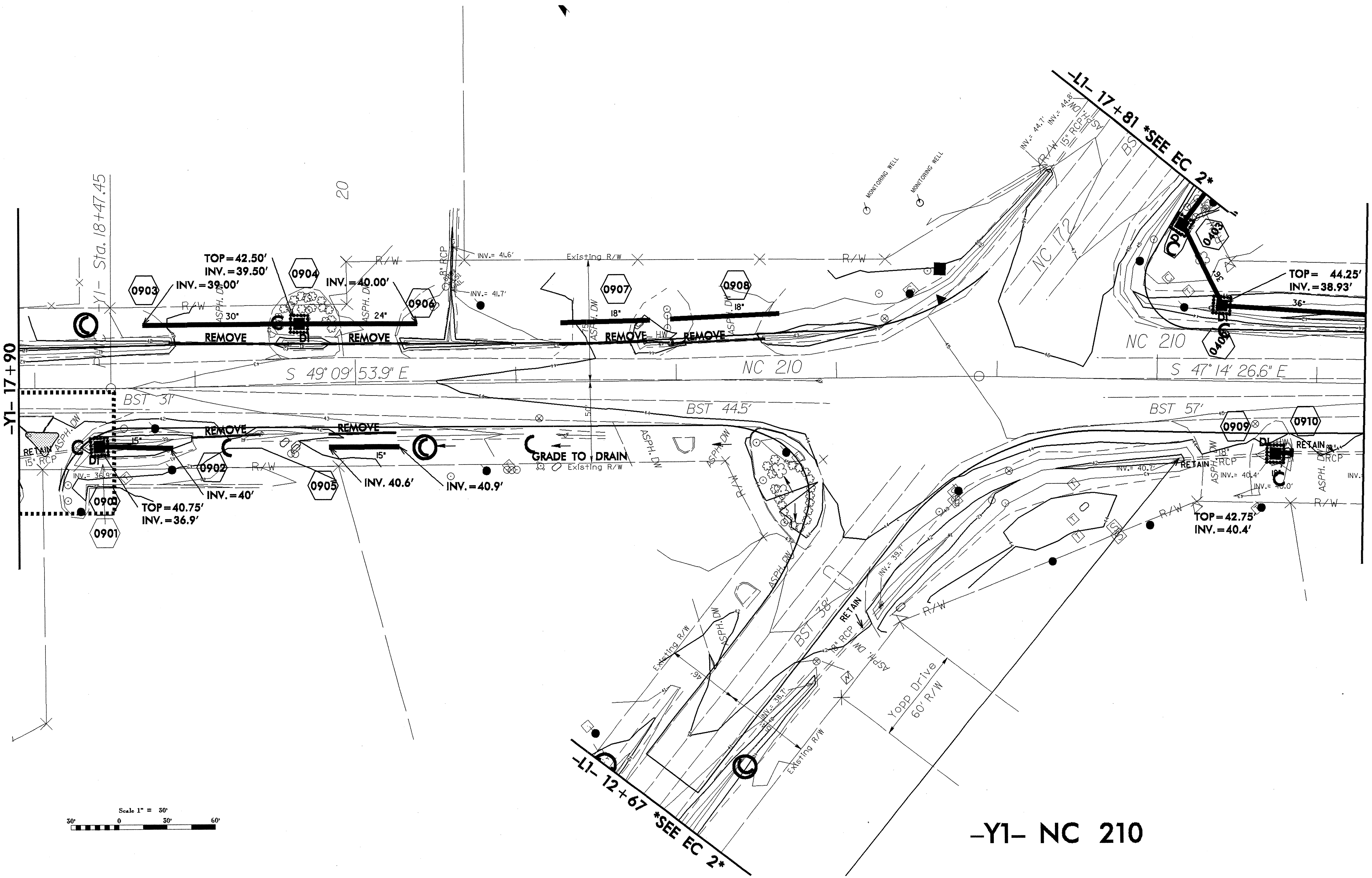
pbyrum

PROJECT REFERENCE NO.	SHEET NO.
43518.3.1	EC-7

25

REVISIONS



-Y1- NC 210

8/17/99

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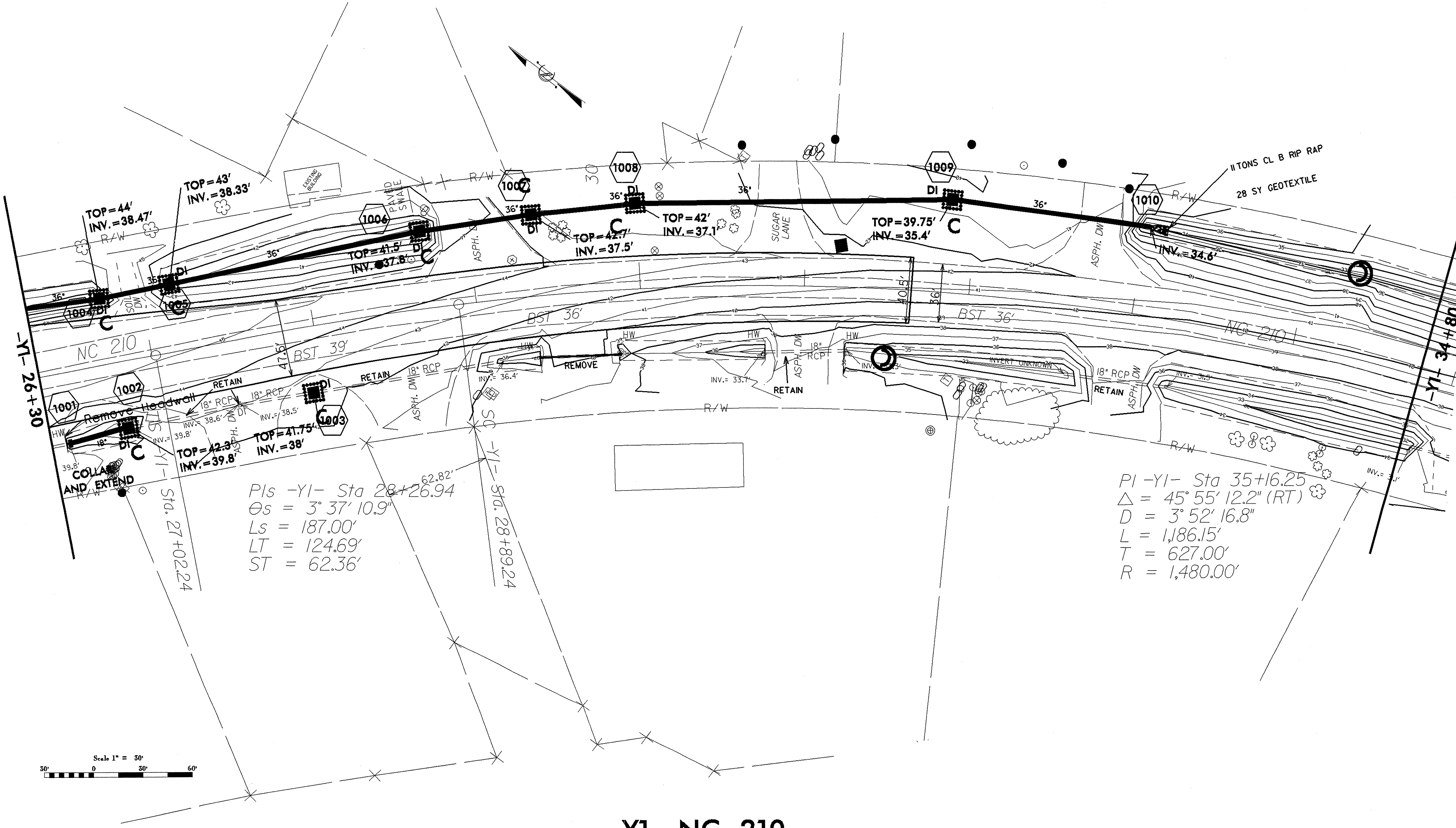
PROJECT REFERENCE NO.	SHEET NO.
43518.3.1	EC-8

REVISIONS



-Y1- NC 210

8/17/99

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