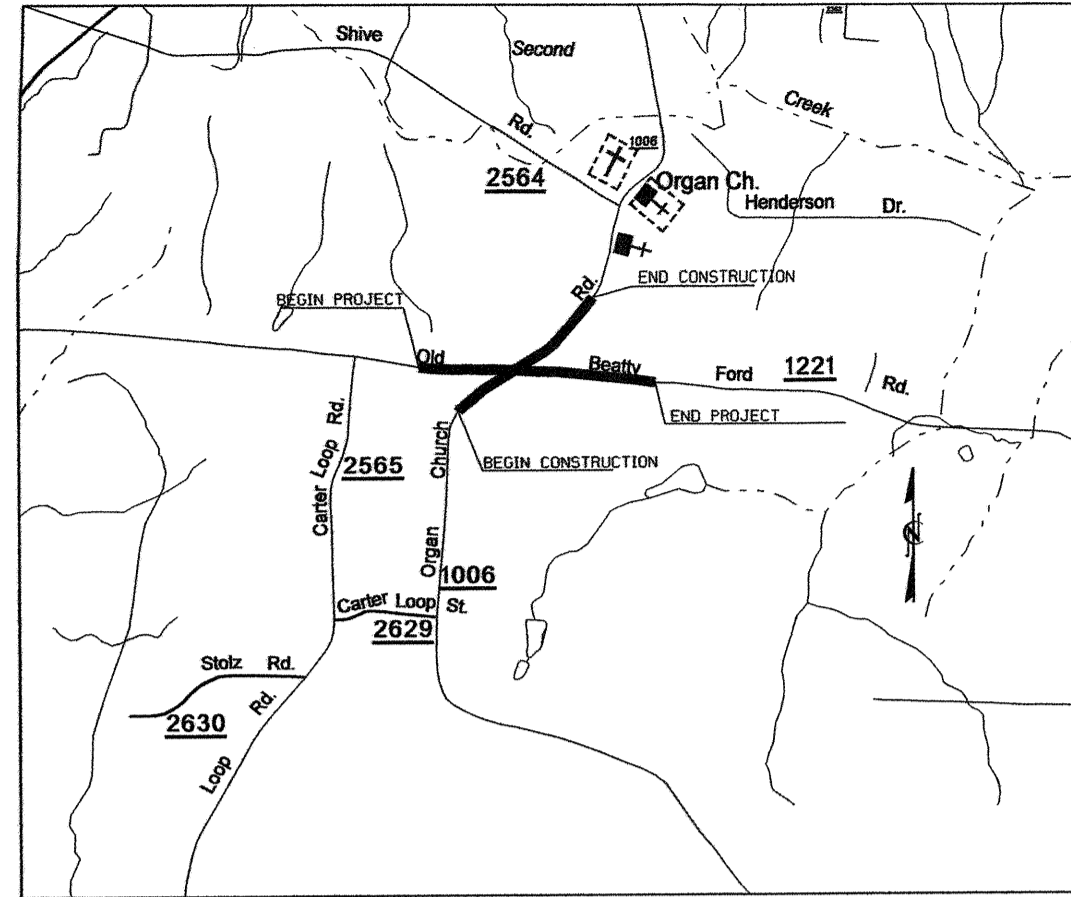
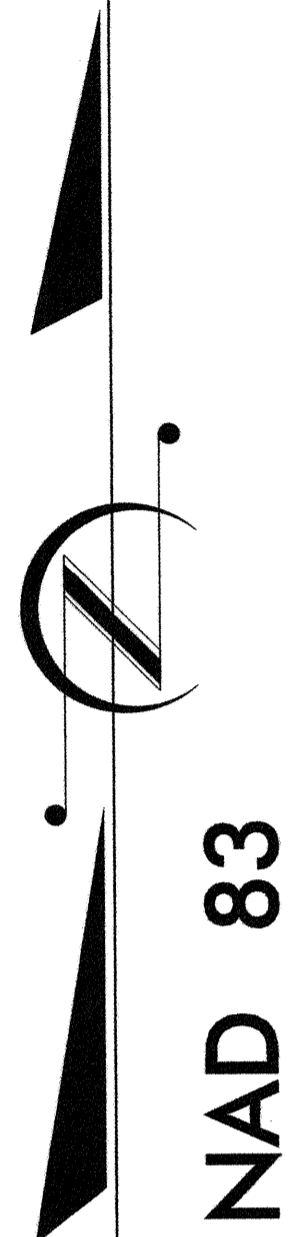


**TIP PROJECT: W-5146**

See Sheet 1-A For Index of Sheets

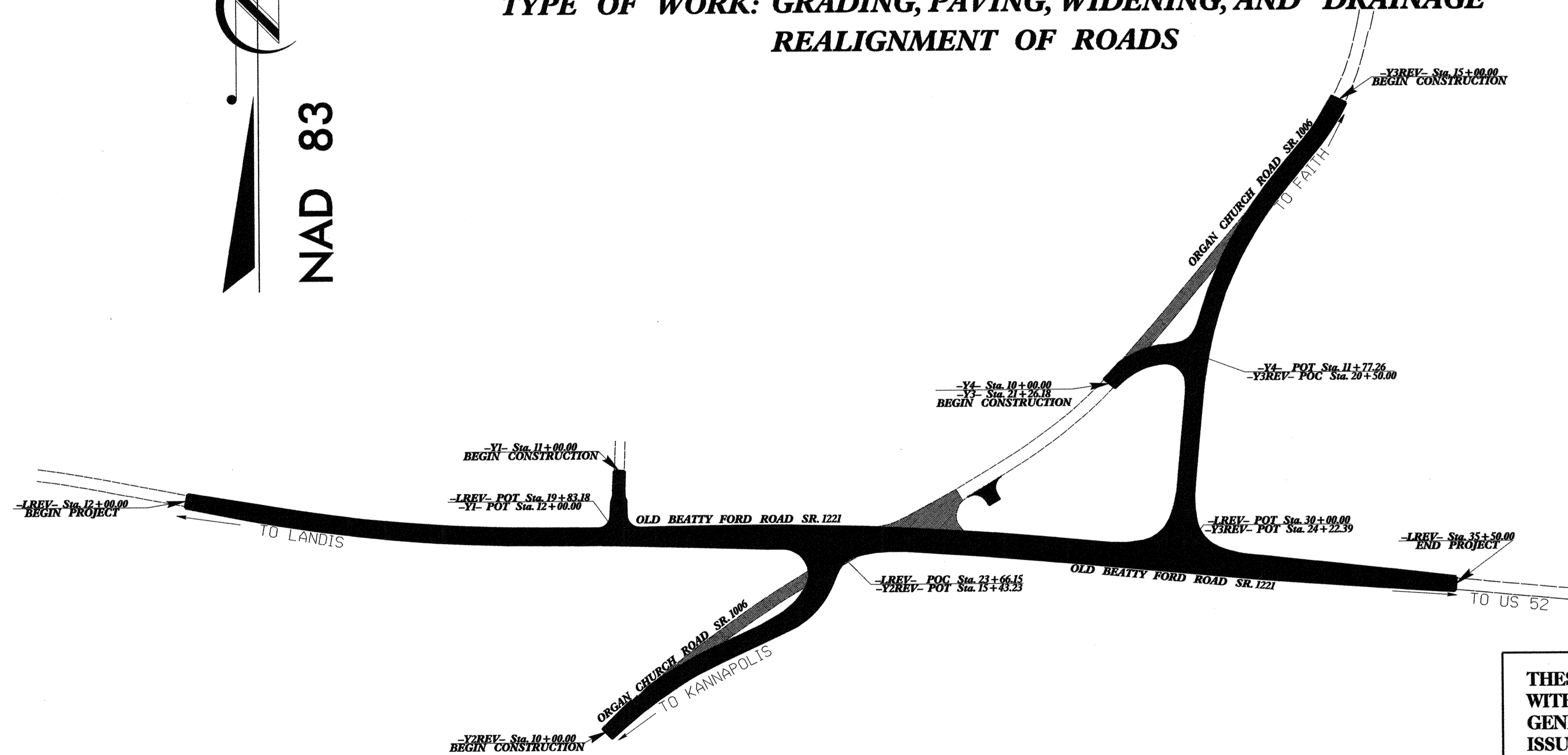


**VICINITY MAP**



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

**LOCATION: INTERSECTION OF SR. 1221 OLD BEATTY FORD ROAD  
 AND SR. 1006 ORGAN CHURCH ROAD  
 TYPE OF WORK: GRADING, PAVING, WIDENING, AND DRAINAGE  
 REALIGNMENT OF ROADS**

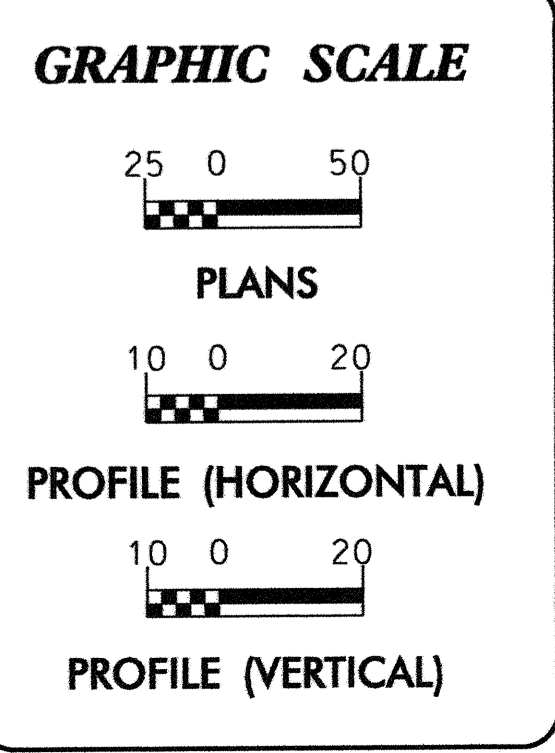


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5146	EC-1	4
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	▲▲▲▲▲
1622.01	Temporary Berms and Slope Drains	▲
1630.01	Riser Basin	○
1630.01	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▨
1633.01	Temporary Rock Silt Check Type-B	▶
1633.01	Wattle	○
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	U
1635.02	Rock Pipe Inlet Sediment Trap Type-B	U
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
1630.05	Skimmer Basin	▭
1630.05	Tiered Skimmer Basin	▭
1630.05	Infiltration Basin	▭

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

**THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY  
 WITH THE REGULATIONS SET FORTH BY THE NCG010000  
 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011  
 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF  
 ENVIRONMENT AND NATURAL RESOURCES  
 DIVISION OF WATER QUALITY.**



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  
**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 revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1630.06 Special Stilling Basin
1606.01 Special Sediment Control Fence	1632.01 Rock Inlet Sediment Trap Type A
1607.01 Gravel Construction Entrance	1632.02 Rock Inlet Sediment Trap Type B
1622.01 Temporary Berms and Slope Drains	1632.03 Rock Inlet Sediment Trap Type C
1630.01 Riser Basin	1633.01 Temporary Rock Silt Check Type A
1630.03 Temporary Silt Ditch	1634.01 Temporary Rock Sediment Dam Type A
1630.04 Stilling Basin	1634.02 Temporary Rock Sediment Dam Type B
1630.05 Temporary Diversion	1635.01 Rock Pipe Inlet Sediment Trap Type A
	1635.02 Rock Pipe Inlet Sediment Trap Type B

05-Jul-2010 10:55  
 atx:\p\proj\100555\EROSION Control\Design\W-5146\_EC-tsh.dgn  
 100555.dwg  
 100555.dwg  
 100555.dwg



5/7/10

PROJECT REFERENCE NO.		SHEET NO.	
W-5146		EC-2	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET EC-2

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

Place Matting for Erosion Control  
on Slope as Work Allows.

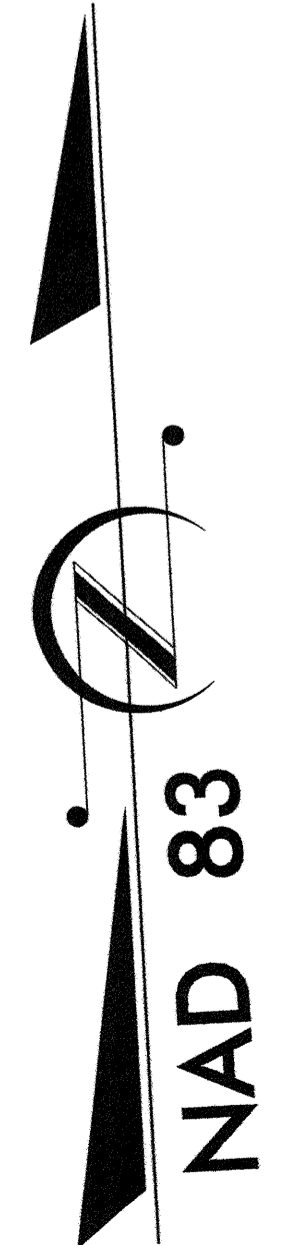
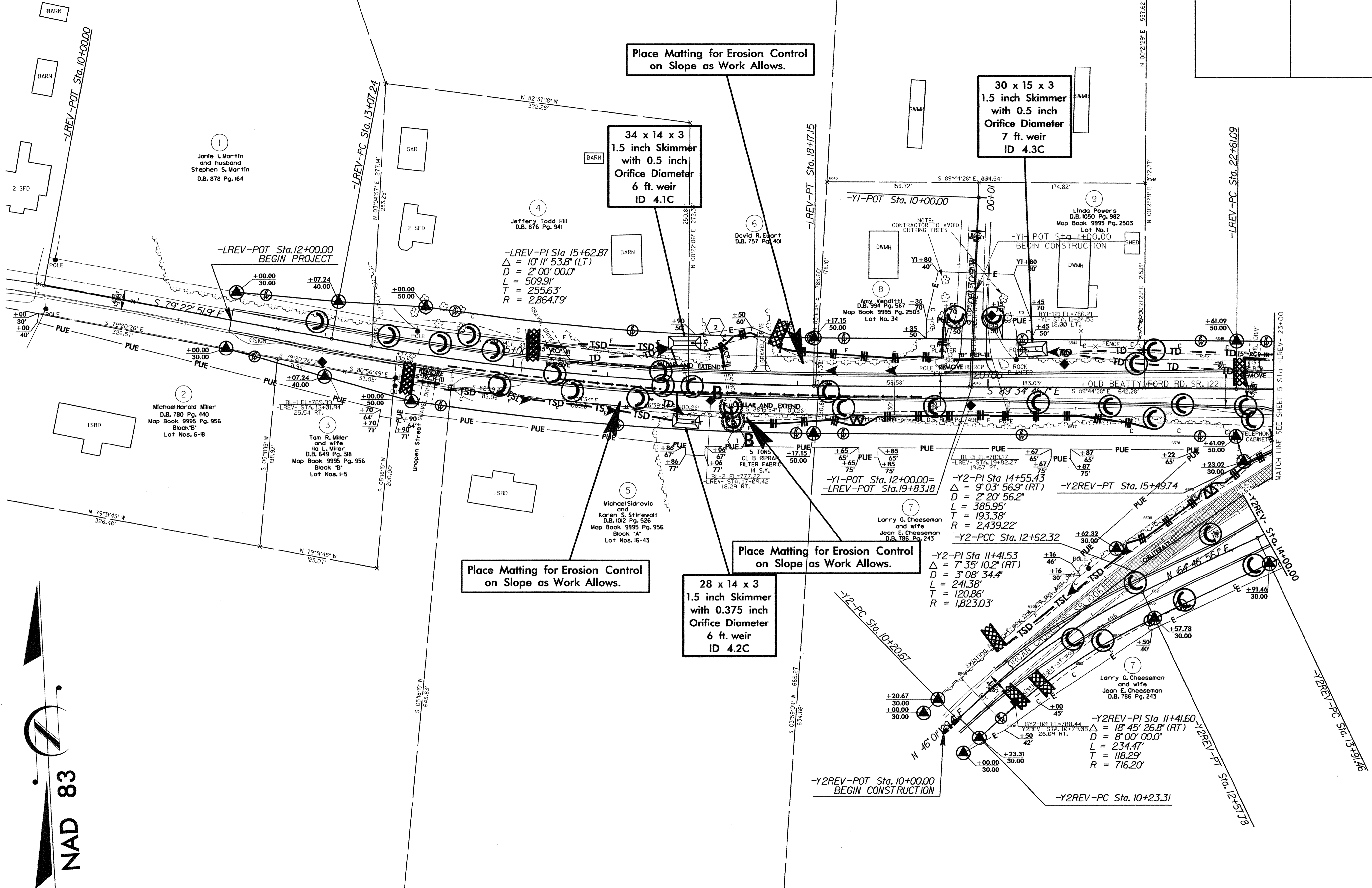
34 x 14 x 3  
1.5 inch Skimmer  
with 0.5 inch  
Orifice Diameter  
6 ft. weir  
ID 4.1C

30 x 15 x 3  
1.5 inch Skimmer  
with 0.5 inch  
Orifice Diameter  
7 ft. weir  
ID 4.3C

28 x 14 x 3  
1.5 inch Skimmer  
with 0.375 inch  
Orifice Diameter  
6 ft. weir  
ID 4.2C

Place Matting for Erosion Control  
on Slope as Work Allows.

Place Matting for Erosion Control  
on Slope as Work Allows.

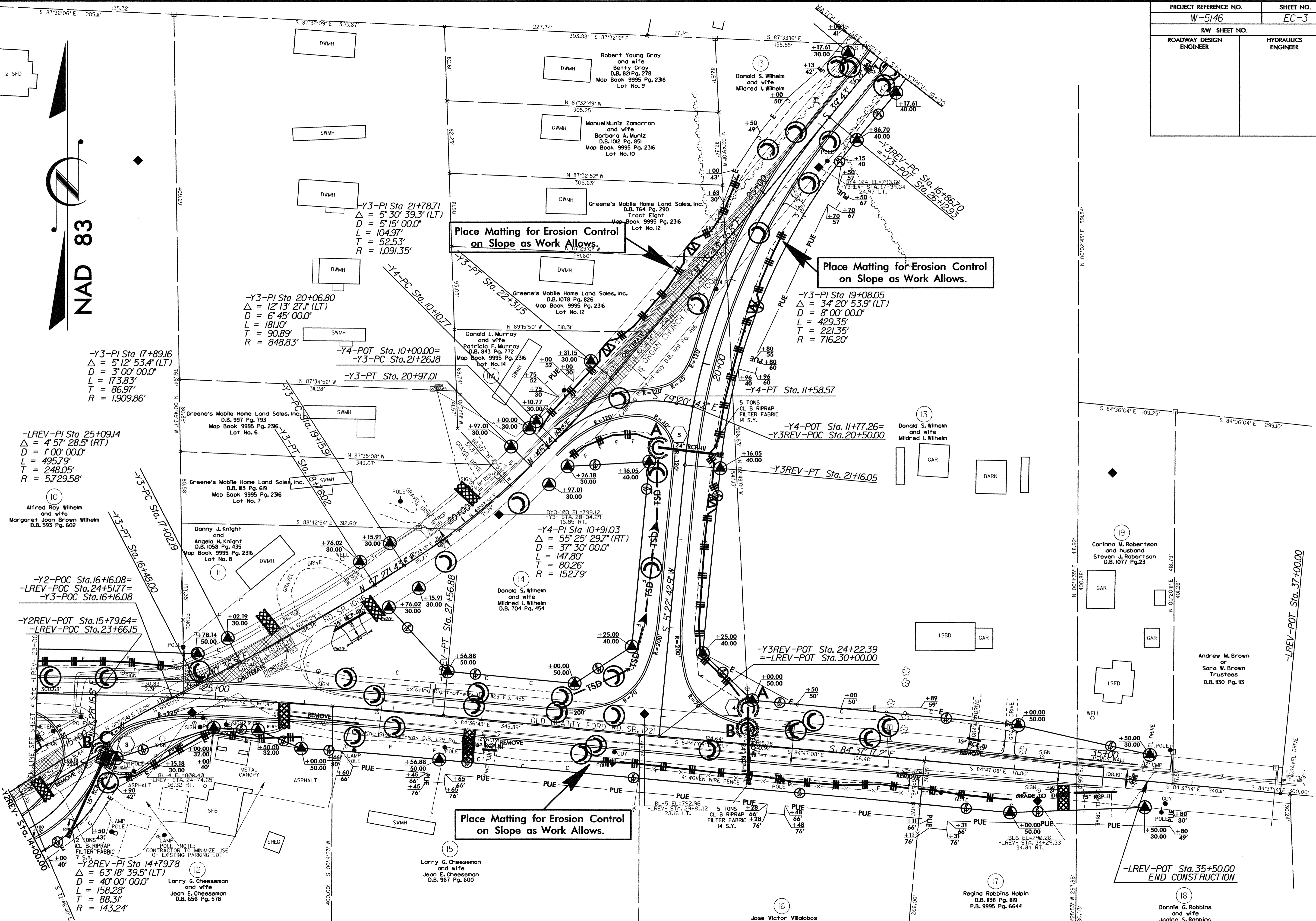




PROJECT REFERENCE NO.	SHEET NO.
W-5146	EC-3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83

REVISIONS



-Y3-PI Sta 17+89.16  
 $\Delta = 5'12'' 53.4''$  (LT)  
 $D = 3'00'' 00.0''$   
 $L = 173.83'$   
 $T = 86.97'$   
 $R = 1,909.86'$

-LREV-PI Sta 25+09.14  
 $\Delta = 4'57'' 28.5''$  (RT)  
 $D = 1'00'' 00.0''$   
 $L = 495.79'$   
 $T = 248.05'$   
 $R = 5,729.58'$

-Y2-POC Sta.16+16.08=  
 -LREV-POC Sta.24+51.77=  
 -Y3-POC Sta.16+16.08

-Y2REV-POT Sta.15+79.64=  
 -LREV-POC Sta.23+66.15

-Y2REV-PI Sta 14+79.78  
 $\Delta = 6'3'' 18'' 39.5''$  (LT)  
 $D = 40'00'' 00.0''$   
 $L = 158.28'$   
 $T = 88.31'$   
 $R = 143.24'$

-Y3-PI Sta 21+78.71  
 $\Delta = 5'30'' 39.3''$  (LT)  
 $D = 5'15'' 00.0''$   
 $L = 104.97'$   
 $T = 52.53'$   
 $R = 1,091.35'$

-Y4-POT Sta.10+00.00=  
 -Y3-PC Sta.21+26.18

-Y3-PT Sta. 20+97.01

-Y4-PI Sta 10+91.03  
 $\Delta = 5'25'' 29.7''$  (RT)  
 $D = 37'30'' 00.0''$   
 $L = 147.80'$   
 $T = 80.26'$   
 $R = 152.79'$

-Y3-PI Sta 19+08.05  
 $\Delta = 3'42'' 53.9''$  (LT)  
 $D = 8'00'' 00.0''$   
 $L = 429.35'$   
 $T = 221.35'$   
 $R = 716.20'$

-Y4-PT Sta. 11+58.57

-Y4-POT Sta. 11+77.26=  
 -Y3REV-POC Sta.20+50.00

-Y3REV-PT Sta. 21+16.05

-Y3REV-POT Sta. 24+22.39  
 =-LREV-POT Sta.30+00.00

-LREV-POT Sta.35+50.00  
 END CONSTRUCTION

Place Matting for Erosion Control  
 on Slope as Work Allows.

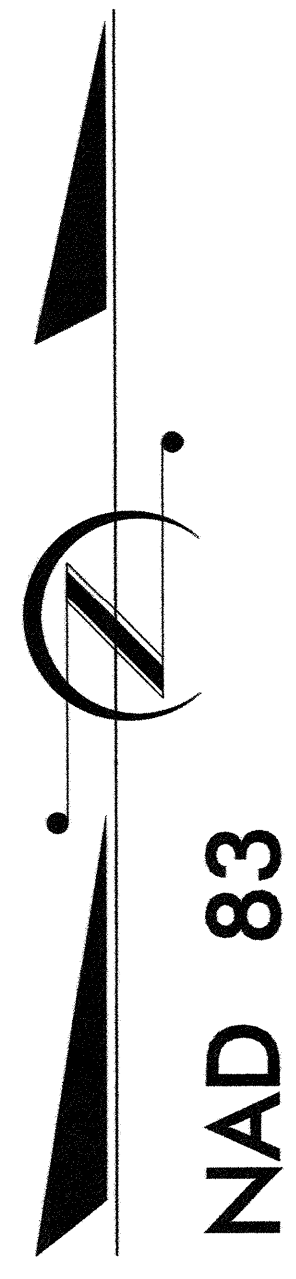
Place Matting for Erosion Control  
 on Slope as Work Allows.

Place Matting for Erosion Control  
 on Slope as Work Allows.

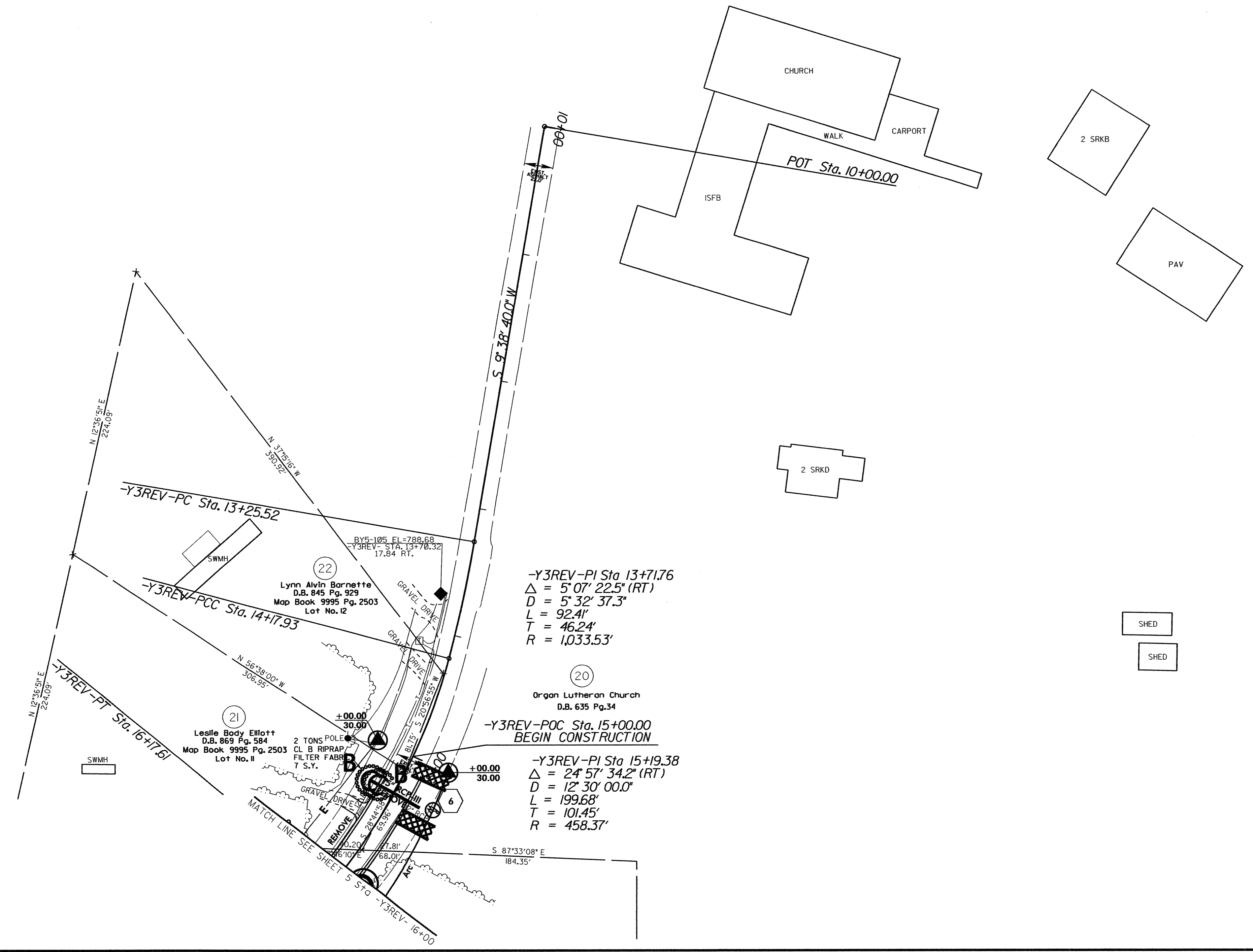
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 Author: A. P. [unreadable]

9/7/11

REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
W-5146	EC-4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-Y3REV-PI Sta 13+71.76  
 $\Delta = 5' 07' 22.5''$  (RT)  
 $D = 5' 32' 37.3''$   
 $L = 92.41'$   
 $T = 46.24'$   
 $R = 1,033.53'$

-Y3REV-PI Sta 15+19.38  
 $\Delta = 24' 57' 34.2''$  (RT)  
 $D = 12' 30' 00.0''$   
 $L = 199.68'$   
 $T = 101.45'$   
 $R = 458.37'$

SWMH

21  
 Leslie Body Elliott  
 D.B. 869 Pg. 584  
 Map Book 9995 Pg. 2503  
 Lot No. II

22  
 Lynn Alvin Barnette  
 D.B. 845 Pg. 929  
 Map Book 9995 Pg. 2503  
 Lot No. 12

20  
 Organ Lutheran Church  
 D.B. 635 Pg. 34

N 123°51'E 224.03'

N 37°28'16" W 350.92'

N 12°56'51" E 224.03'

N 56°38'00" W 308.95'

S 9°38' 40.0" W 661.01'

S 87°33'08" E 184.35'

-Y3REV-PC Sta. 13+25.52

-Y3REV-PCC Sta. 14+17.93

-Y3REV-PT Sta. 16+17.61

-Y3REV-POC Sta. 15+00.00  
BEGIN CONSTRUCTION

-Y3REV-PI Sta 15+19.38

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