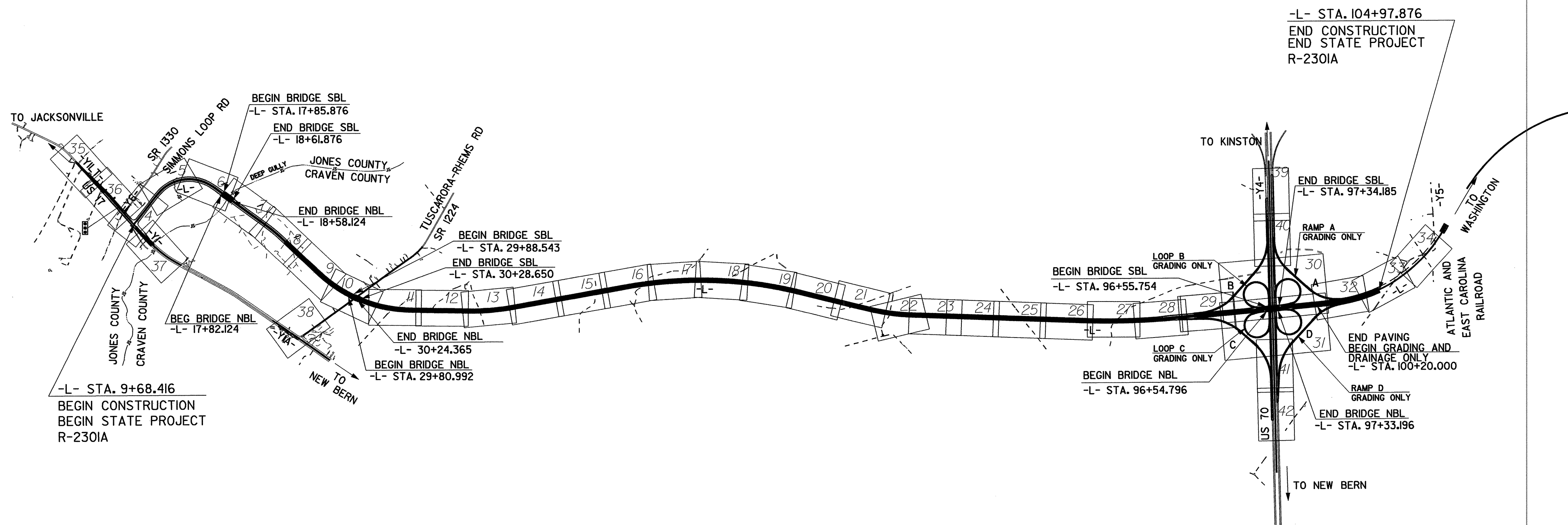
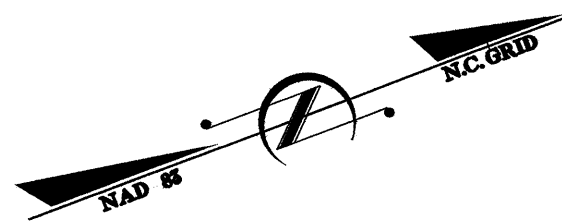


**TIP PROJECT: R-2301A**

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
 PLAN FOR PROPOSED  
 HIGHWAY EROSION CONTROL  
**JONES & CRAVEN  
 COUNTIES**

LOCATION: US 17 NEW BERN BYPASS  
 FROM US 17 SOUTH OF NEW BERN TO US 70

TYPE OF WORK: WIDENING, CURB AND GUTTER, DRAINAGE  
 GRADING, PAVING, METRIC PROJECT, STRUCTURES, SIGNALS



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2301A	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

ALL DIMENSIONS IN THESE  
 PLANS ARE IN METERS  
 UNLESS OTHERWISE SHOWN

**EROSION AND SEDIMENT CONTROL MEASURES**

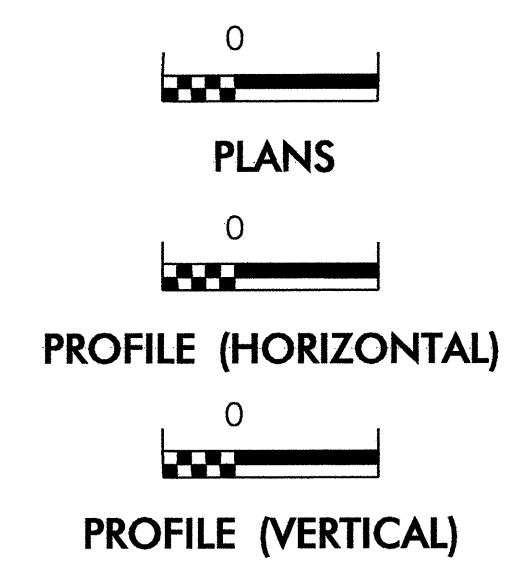
Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
	Temporary Silt Fence	
	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	TD
1630.01	Riser Basin	⊙
1630.02	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▨
1633.02	Temporary Rock Silt Check Type-B	▨
	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	⊙
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
	Type C	C
	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration Basin	▭

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

THIS PROJECT HAS  
 BEEN DESIGNED TO  
 SENSITIVE WATERSHED  
 STANDARDS

ENVIRONMENTALLY  
 SENSITIVE AREA(S) EXIST  
 ON THIS PROJECT  
 Refer To E. C. Special Provisions  
 for Special Considerations.

**GRAPHIC SCALE**



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 metric standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1622.01 Temporary Berms and Slope Drains	1633.01 Temporary Rock Silt Check Type A
1630.03 Temporary Silt Ditch	1633.02 Temporary Rock Silt Check Type B
1630.05 Temporary Diversion	1634.02 Temporary Rock Sediment Dam Type B
1632.01 Rock Inlet Sediment Trap Type A	1635.01 Rock Pipe Inlet Sediment Trap Type A
	1635.02 Rock Pipe Inlet Sediment Trap Type B

I:\SEP-2008\1400\supp\ra\st\22222222\design\2301a.ec.rsh.dgn

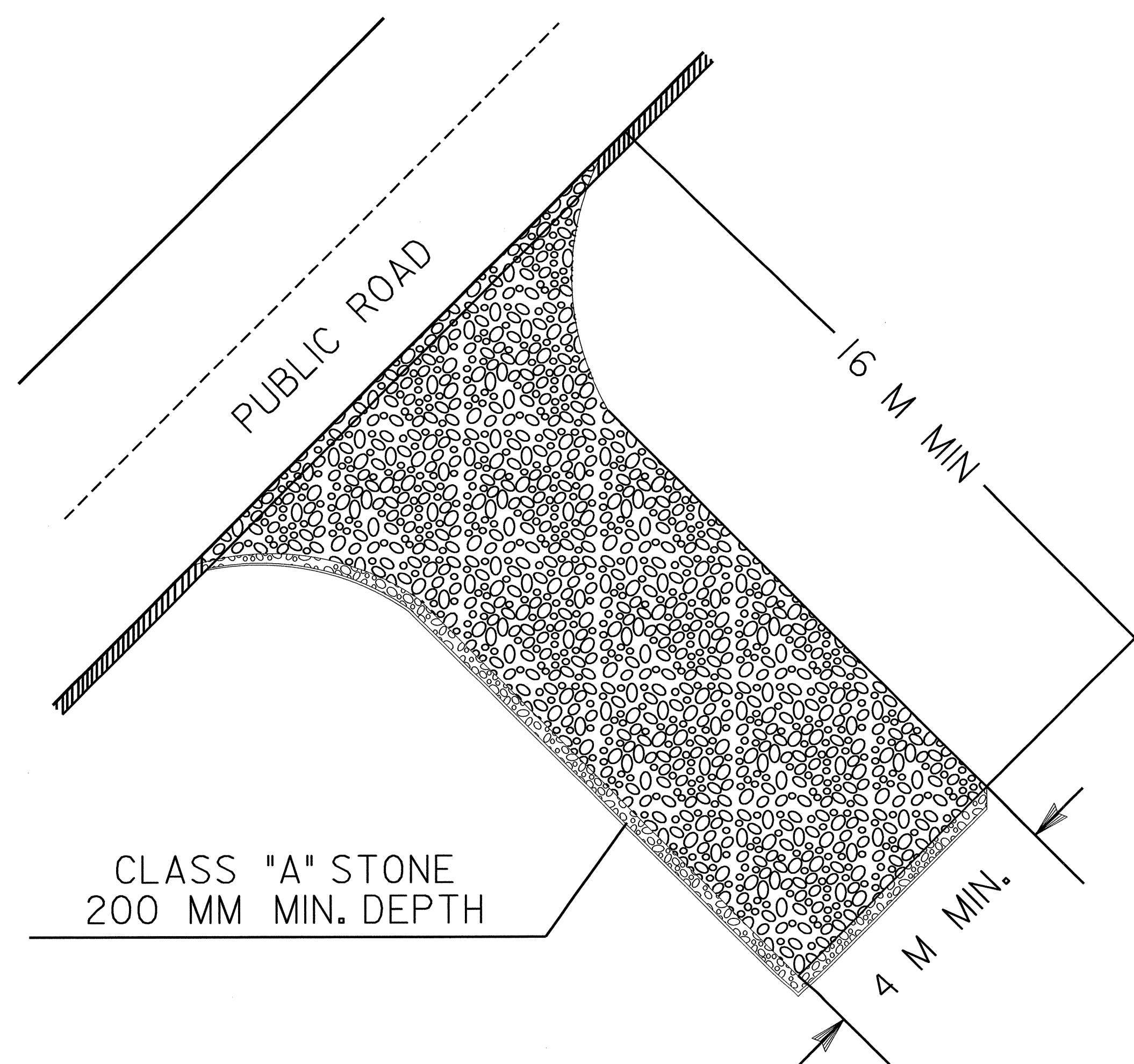


PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

## 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

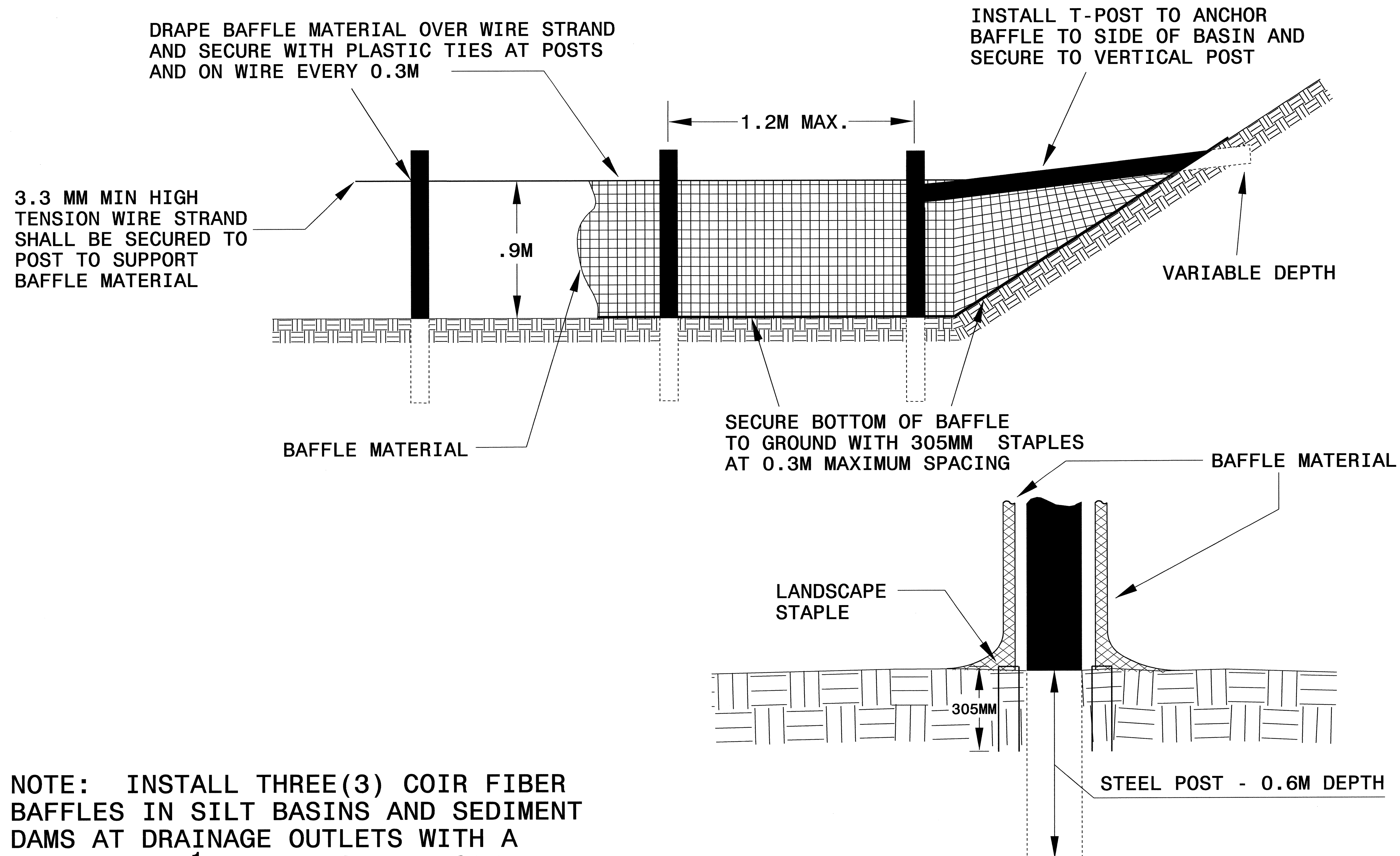


NOTE: FILTER FABRIC TO BE PLACED BENEATH STONE



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# COIR FIBER BAFFLE DETAIL



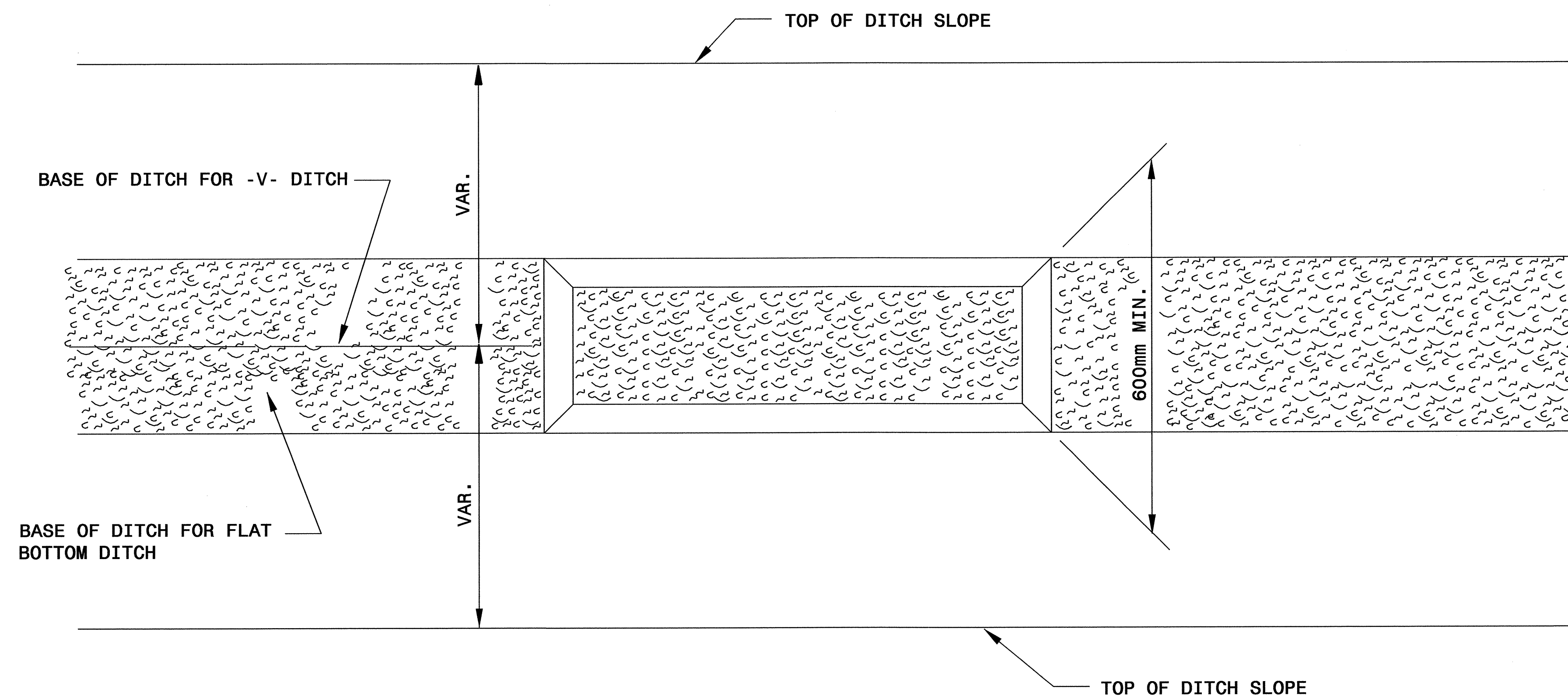
NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF  $\frac{1}{4}$  THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 6 M IN LENGTH WITH A SPACING OF  $\frac{1}{3}$  THE BASIN LENGTH.

BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 305MM LANDSCAPE STAPLES

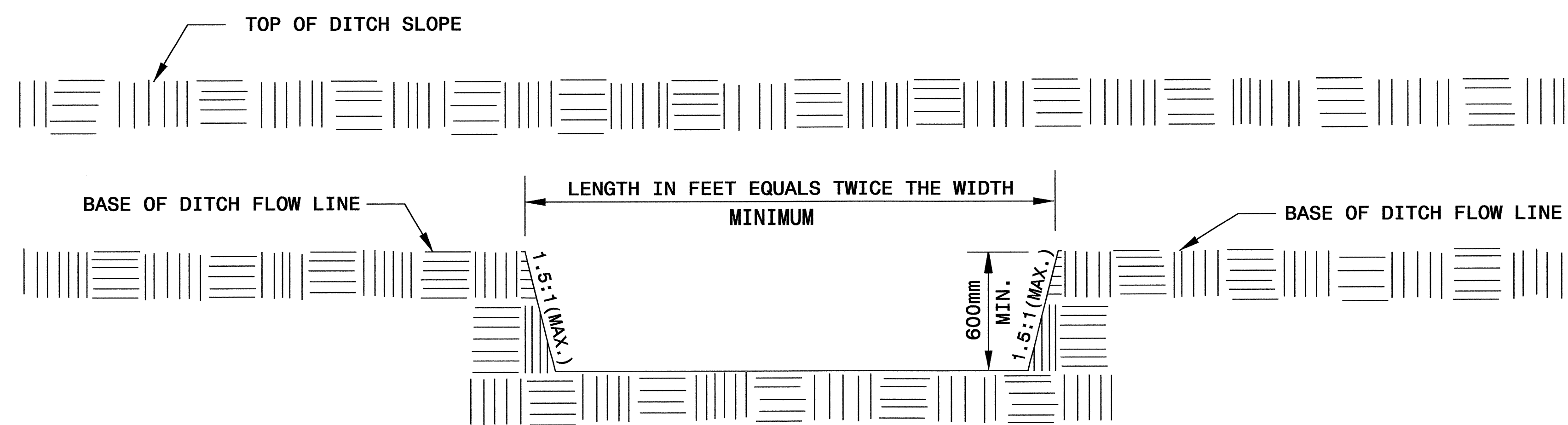


PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-2B
R / W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# SILT BASIN 'B' DETAIL




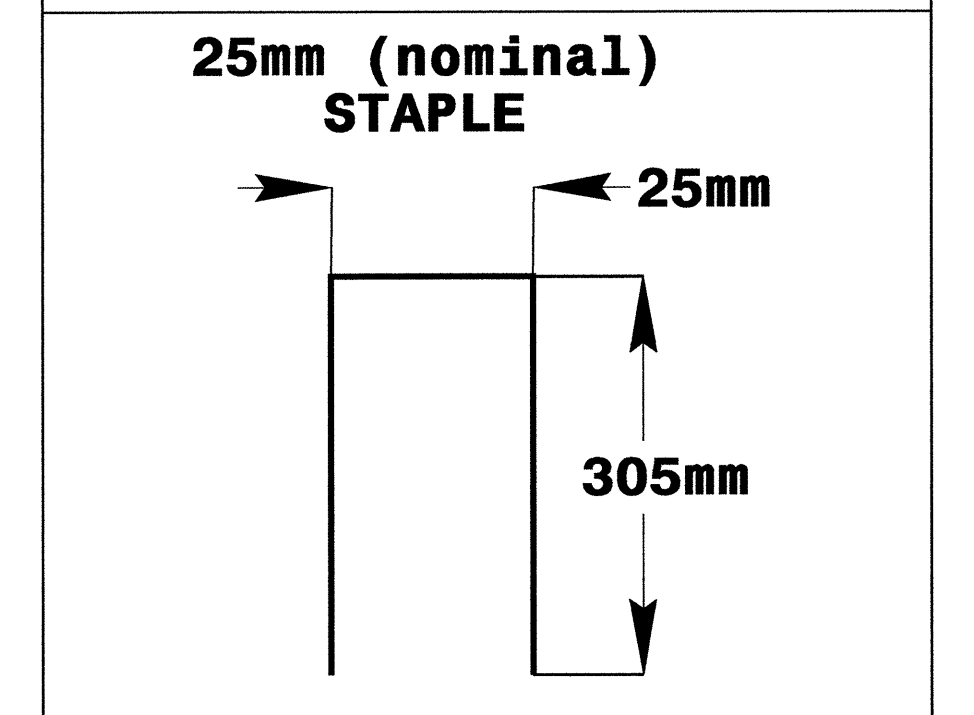
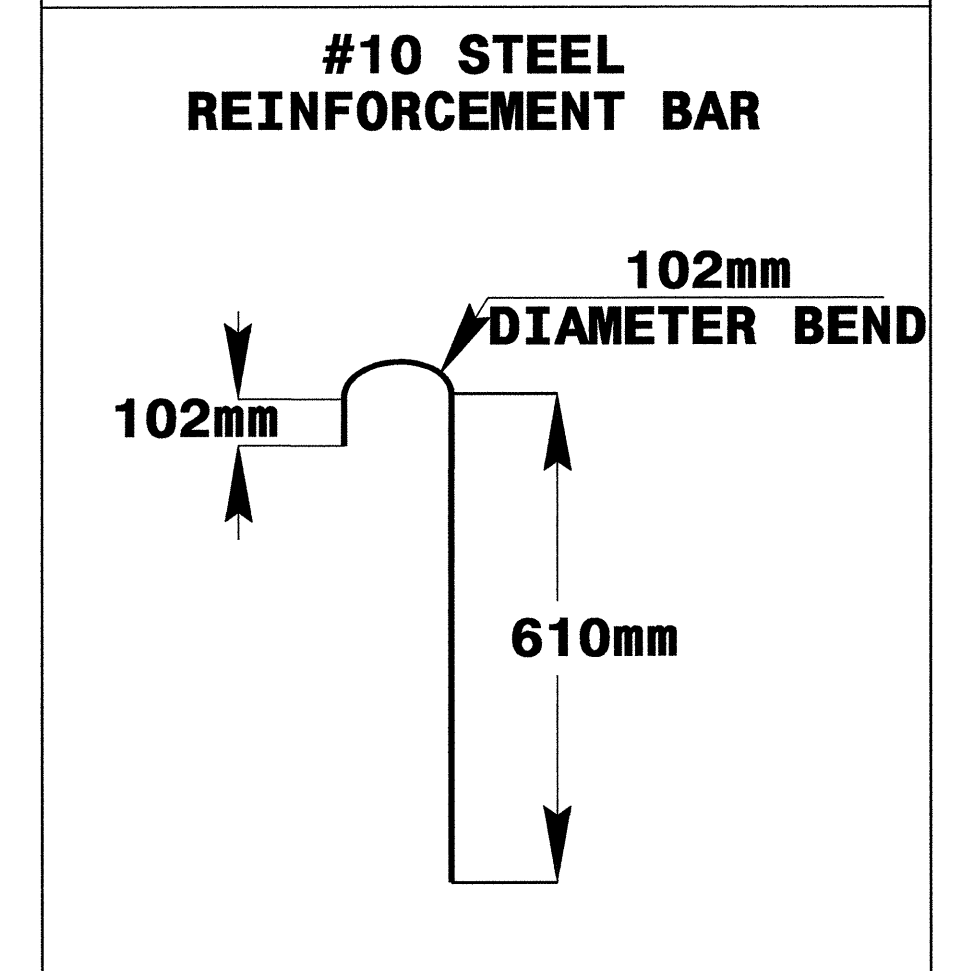
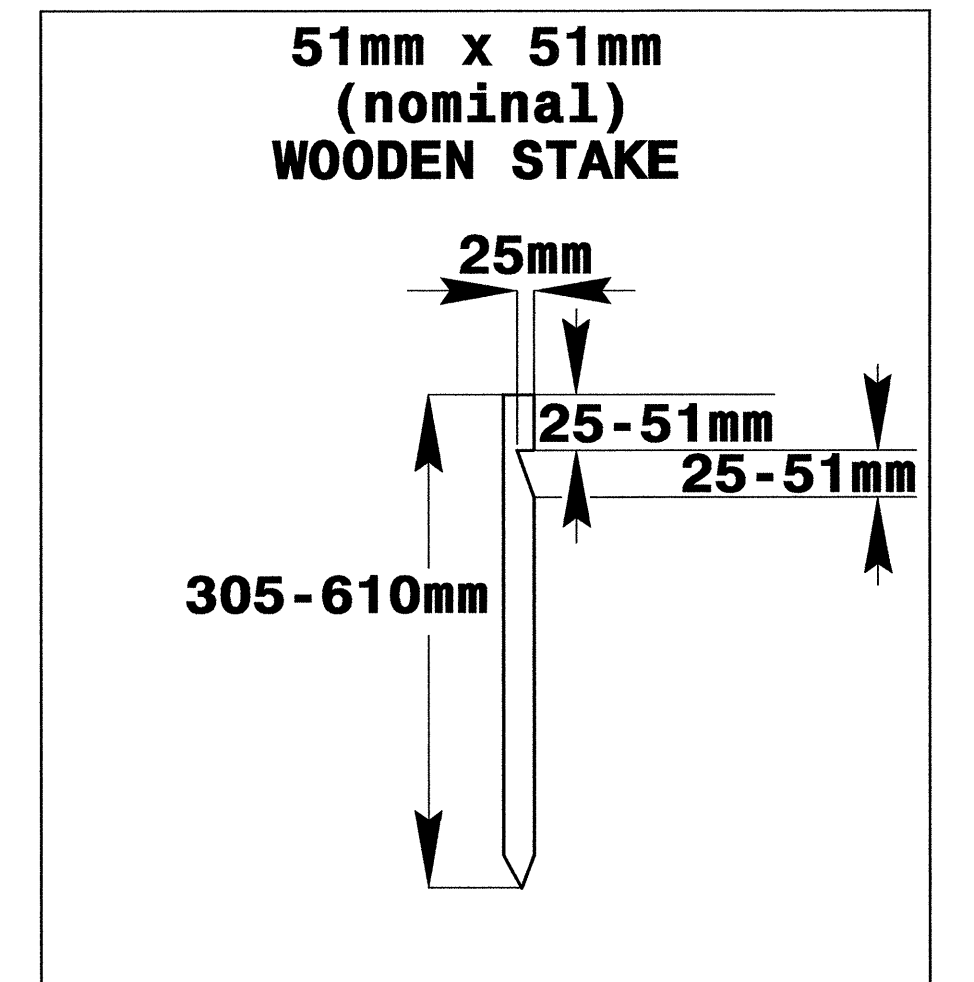
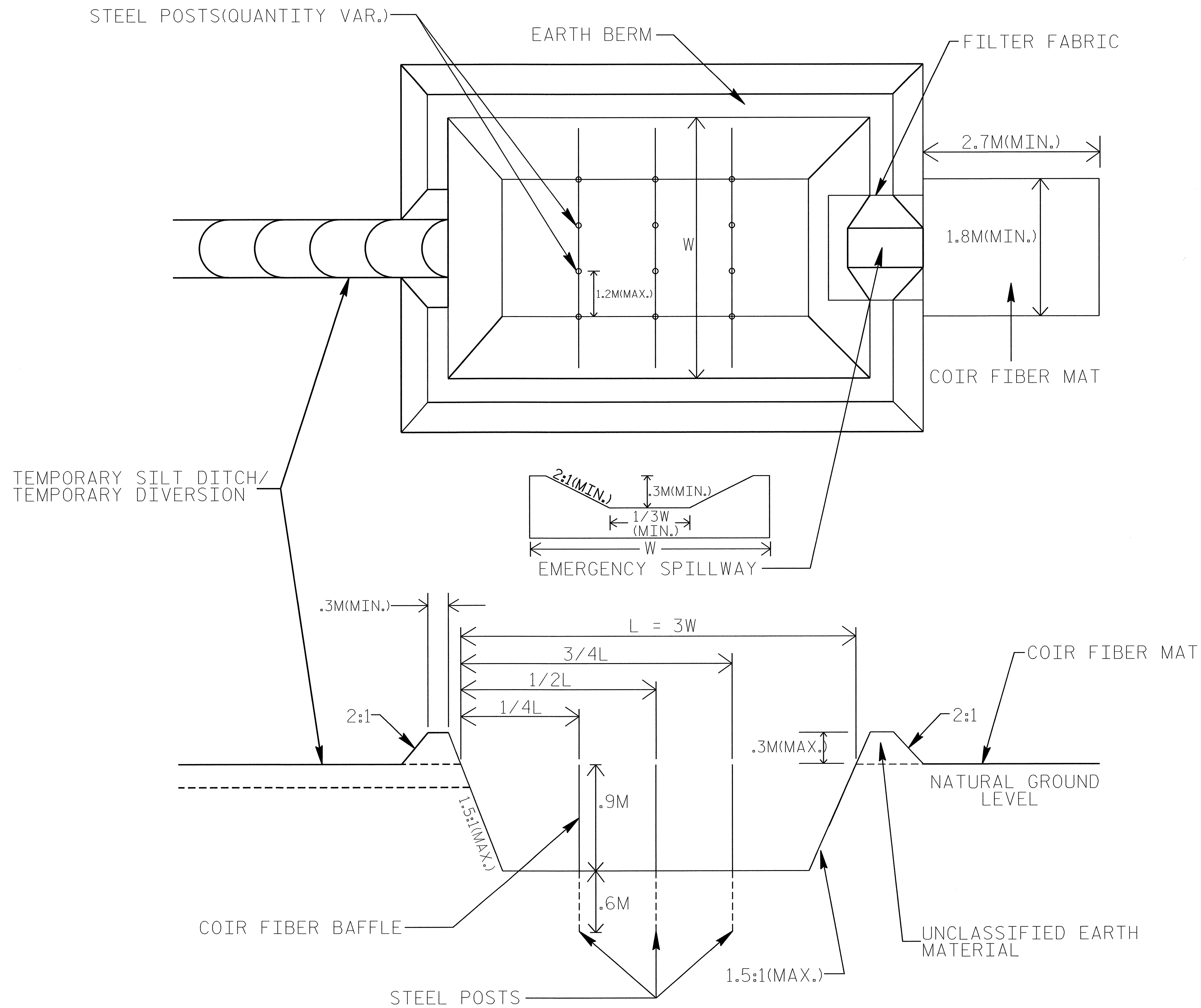
PLAN



ELEVATION

# INFILTRATION BASIN WITH BAFFLES DETAIL

	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-2C
	R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	



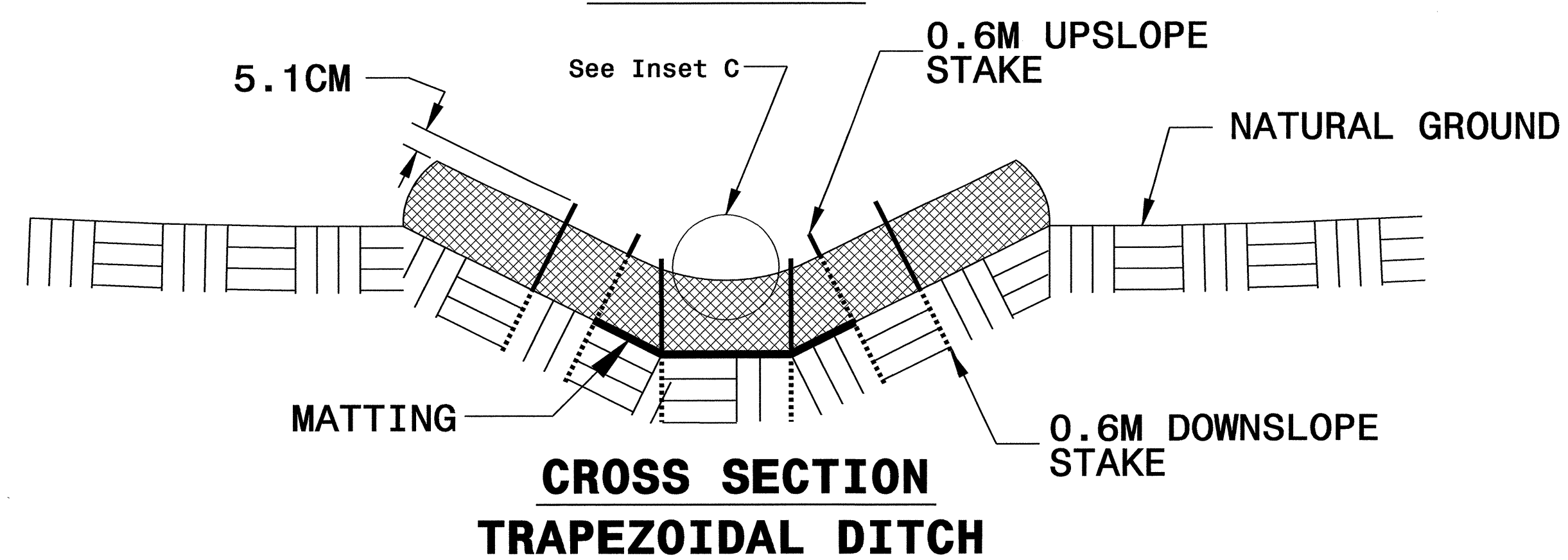
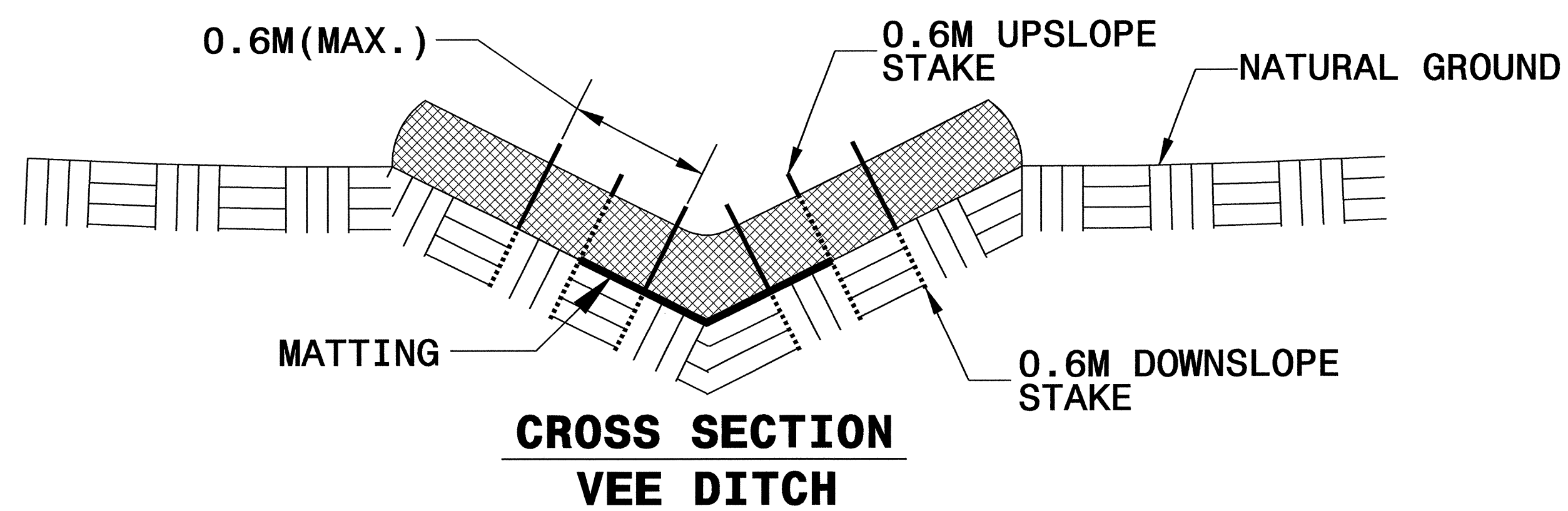
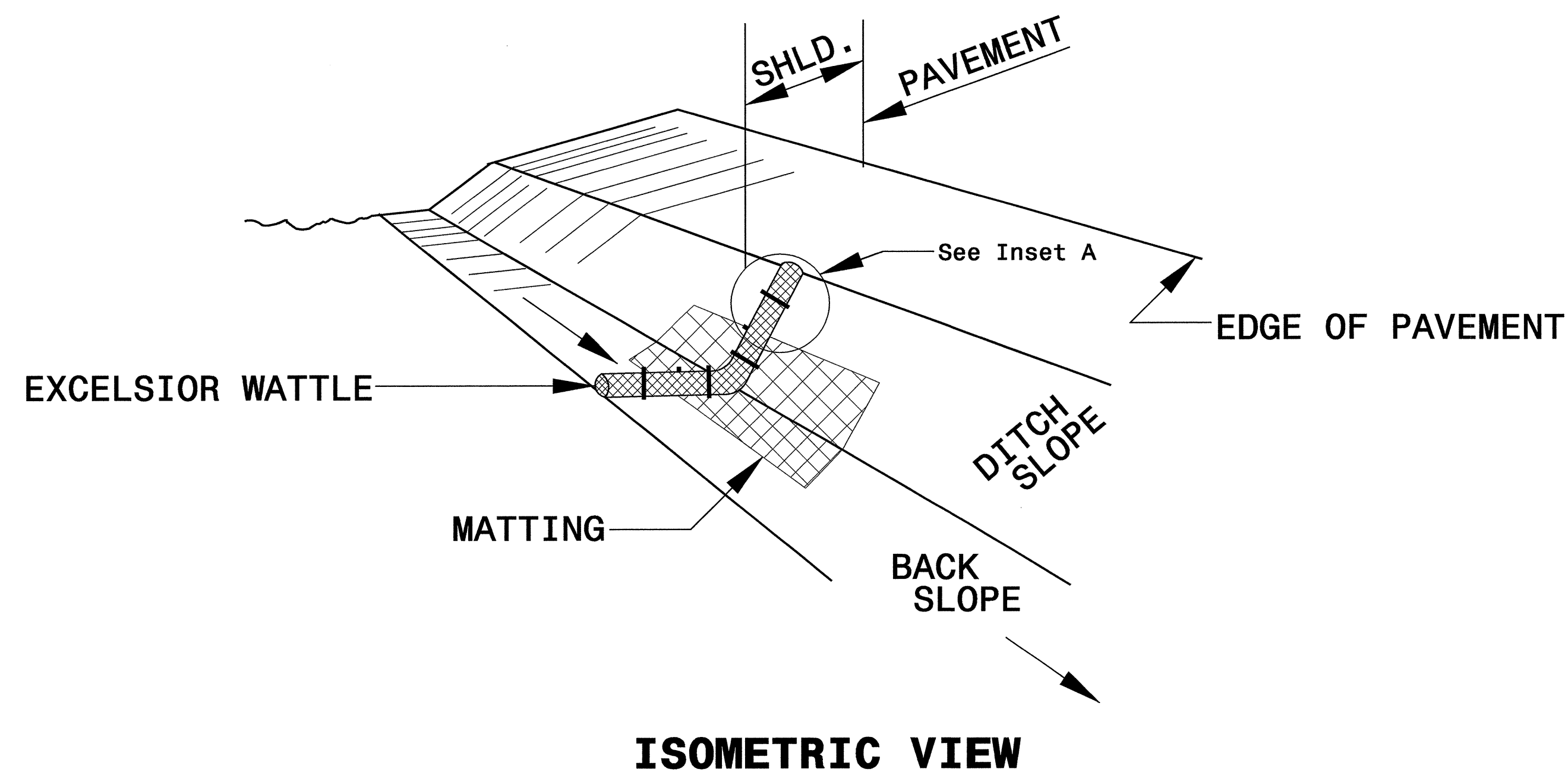
## COIR FIBER MAT ANCHOR OPTIONS

- NOTES:
- DO NOT EXCAVATE BELOW WATER TABLE.
  - LIMIT EARTH BERM HEIGHT TO 0.9M.
  - AVOID COMPACTING BOTTOM OF BASIN.



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-2D
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# WATTLE WITH POLYACRYLAMIDE DETAIL



**NOTES:**

USE MINIMUM 305 MM DIAMETER EXCELSIOR WATTLE.

USE 0.6 M WOODEN STAKES WITH A 5.1 CM BY 5.1 CM CROSS SECTION.

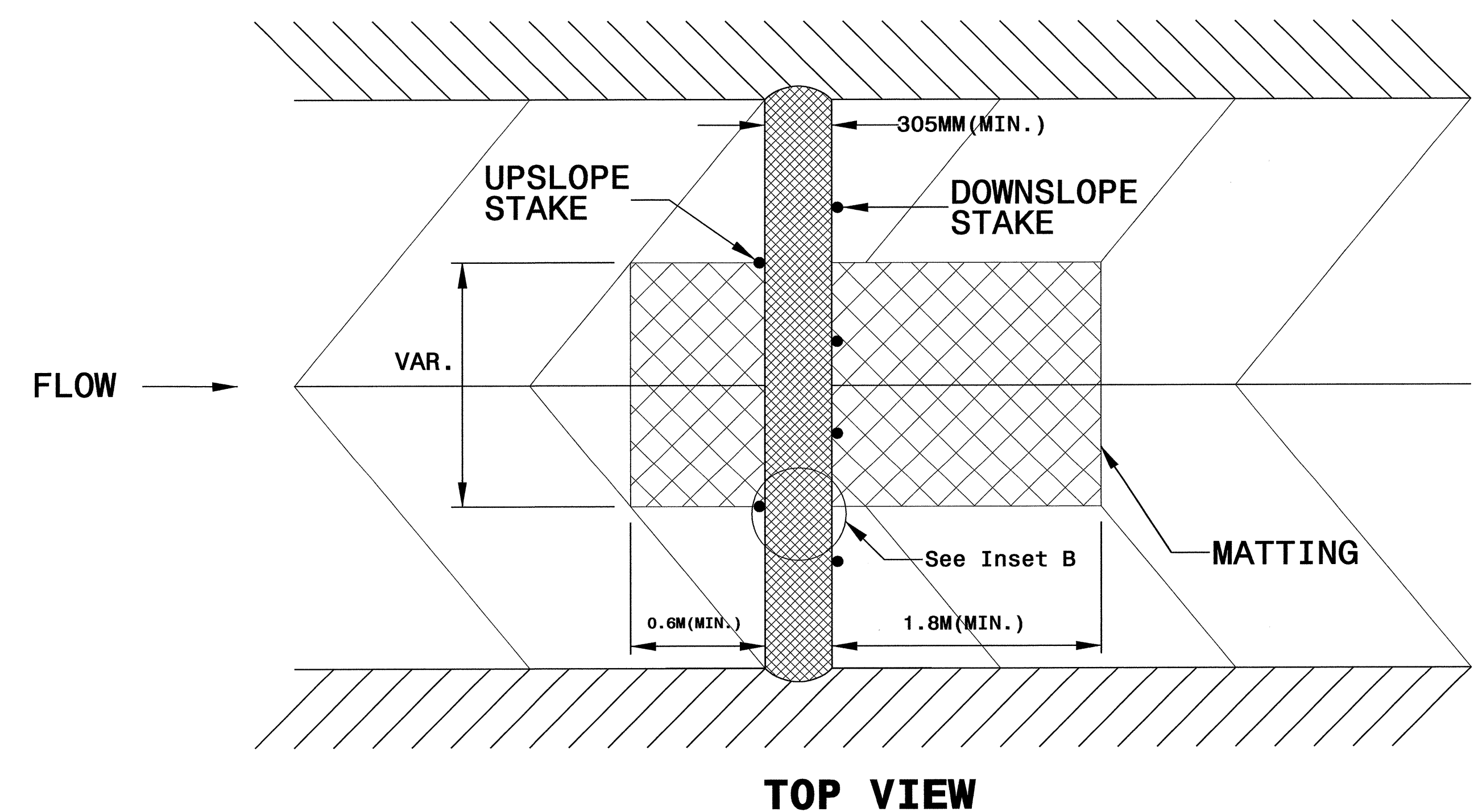
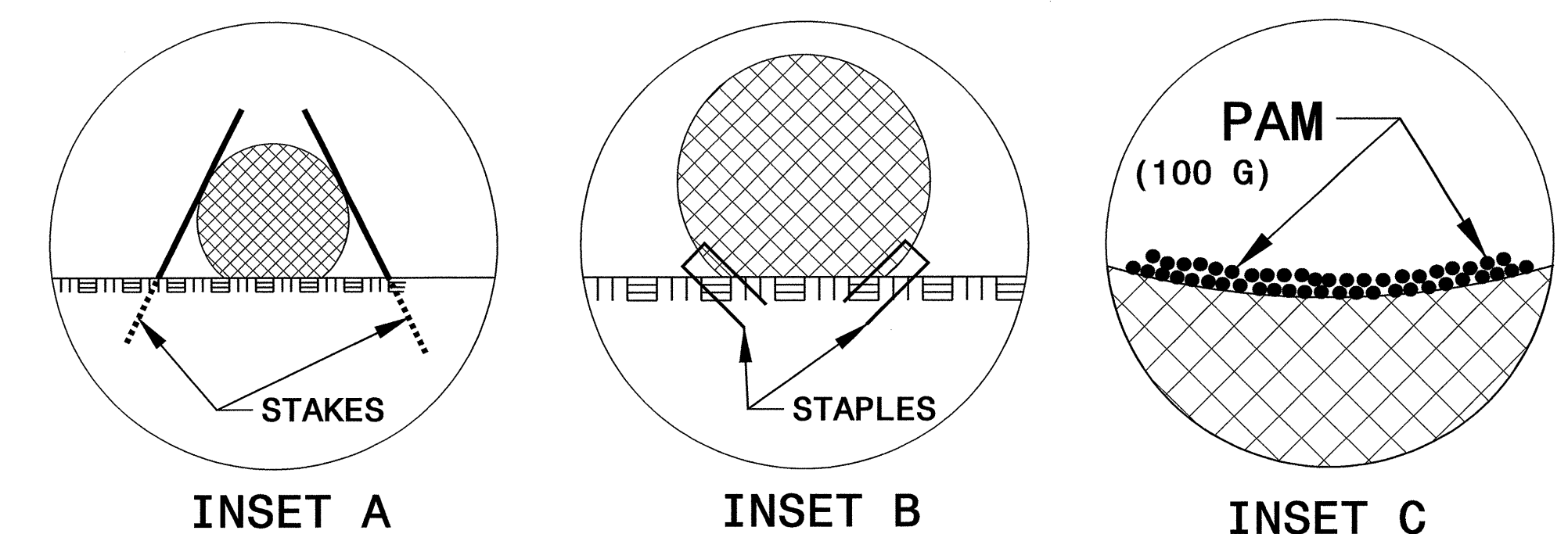
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 3 MM DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 305 MM IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 0.3 LINEAR METER 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.

INITIALLY APPLY 100 GRAMS OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 6 MM.





PROJECT REFERENCE NO. <i>R-2301A</i>	SHEET NO. <i>EC-2E</i>
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# SPECIAL SEDIMENT CONTROL FENCE DETAIL

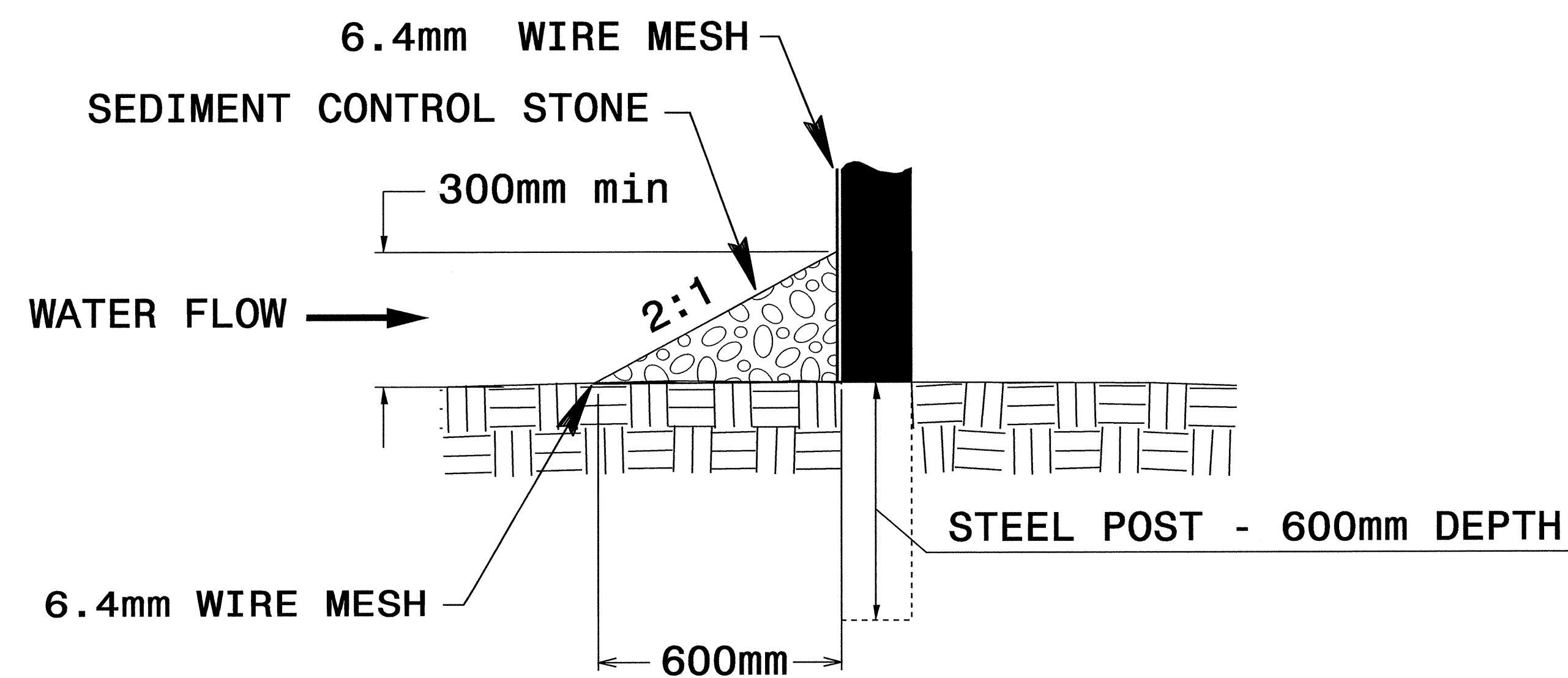
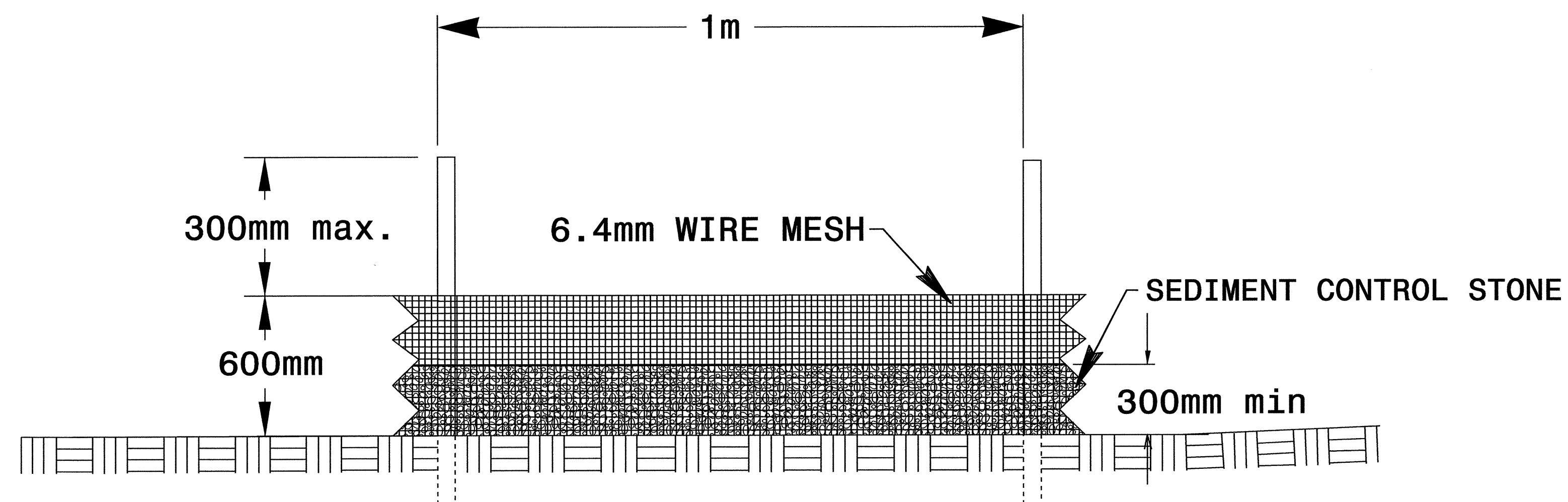
## GENERAL NOTES:

USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL.

USE 0.65mm HARDWARE CLOTH WIRE MESH WITH 6.4 mm MESH OPENINGS.

INSTALL 1.5m SELF FASTENER ANGLE STEEL POST 600mm DEEP MINIMUM.

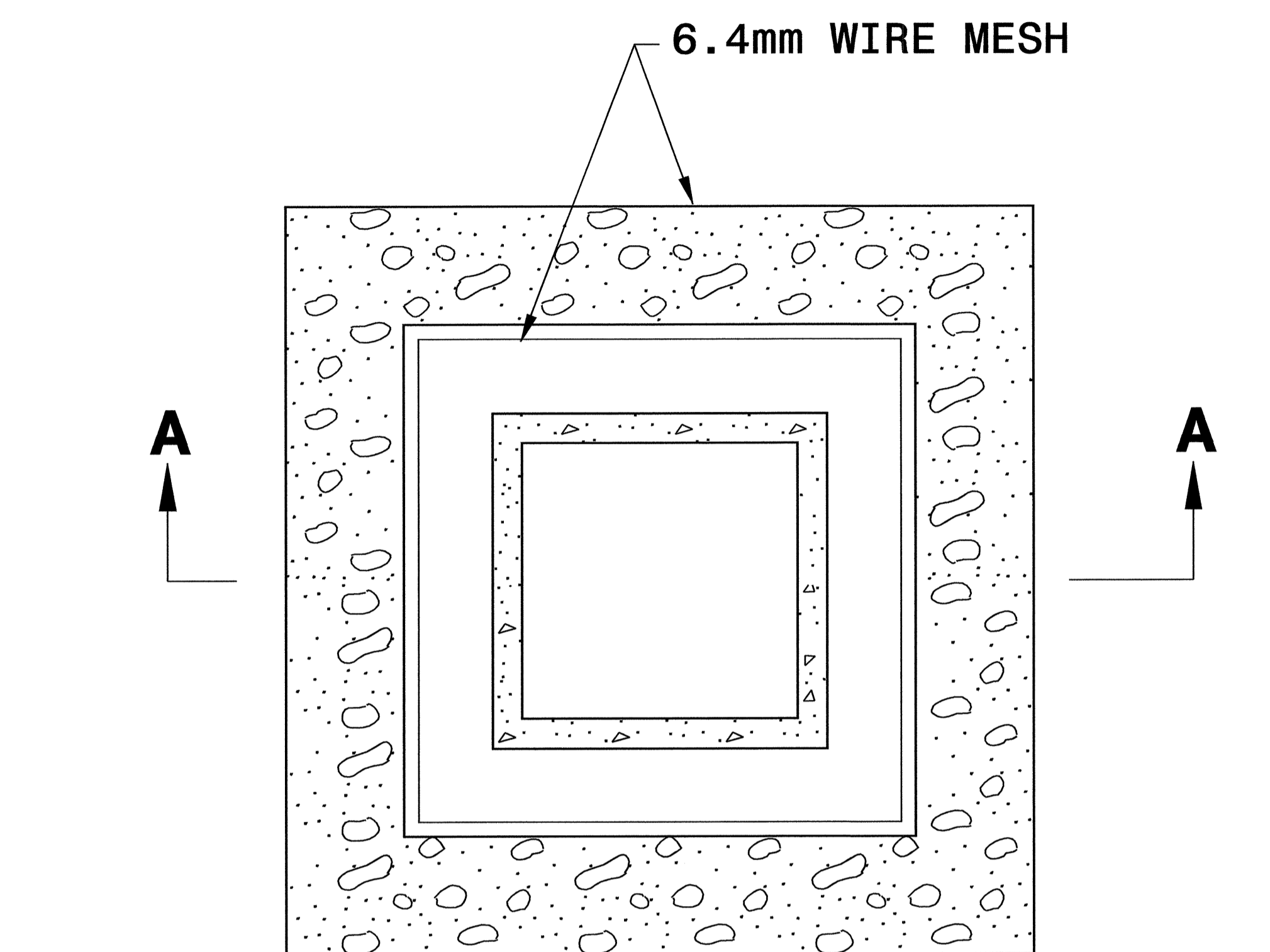
SPACE POST A MAXIMUM OF 1m.



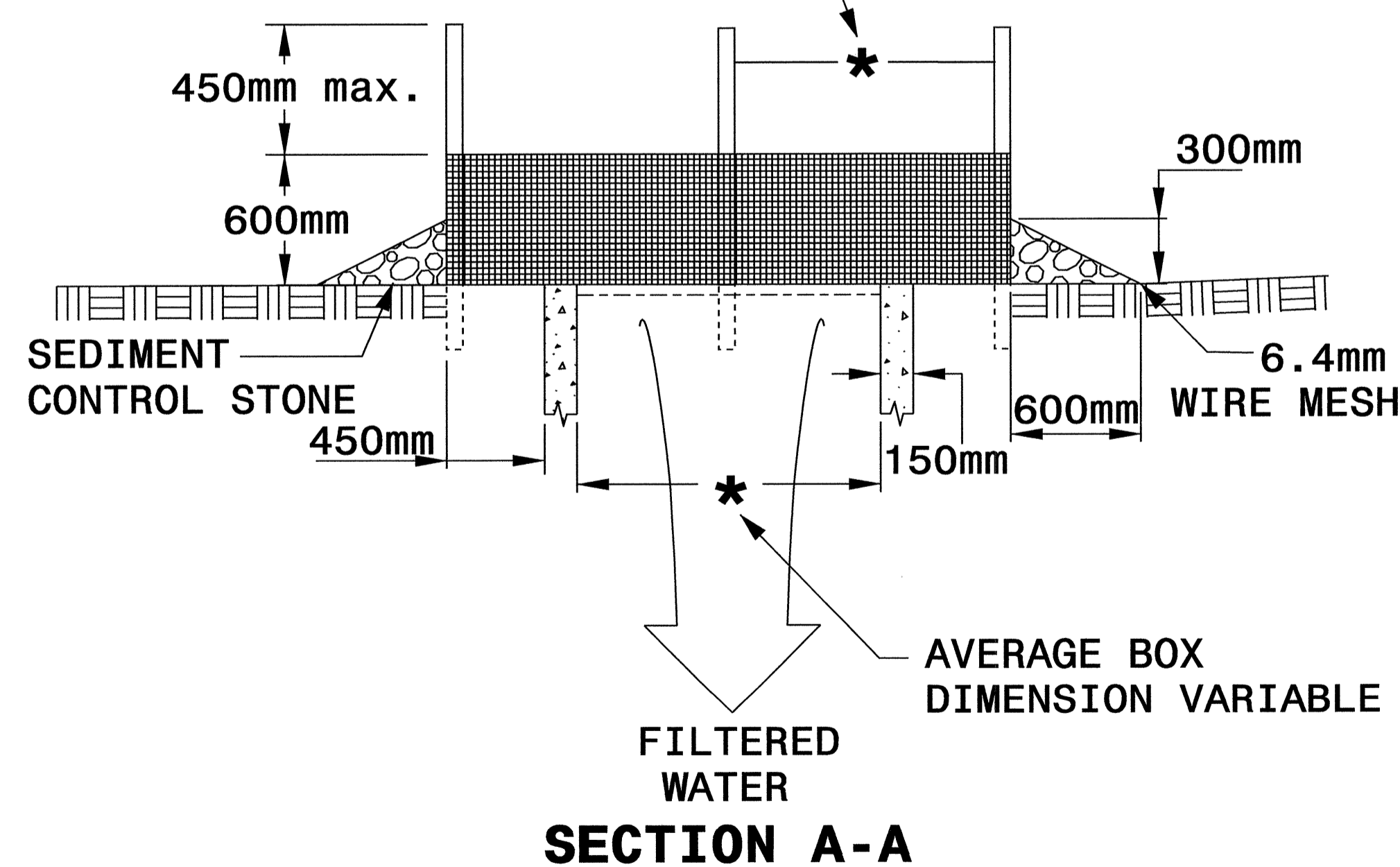


PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-2F
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# ROCK INLET SEDIMENT TRAP TYPE 'C' DETAIL

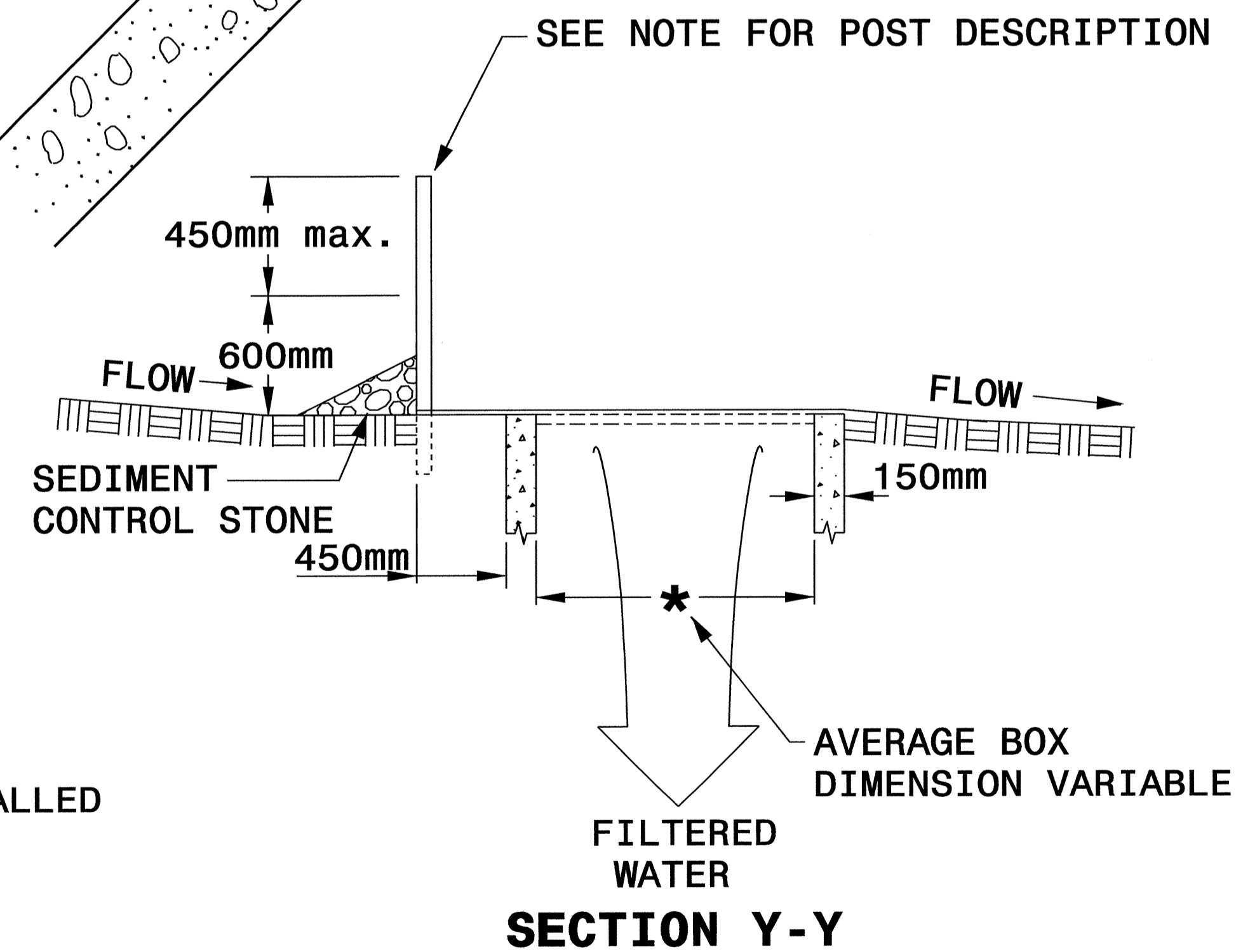
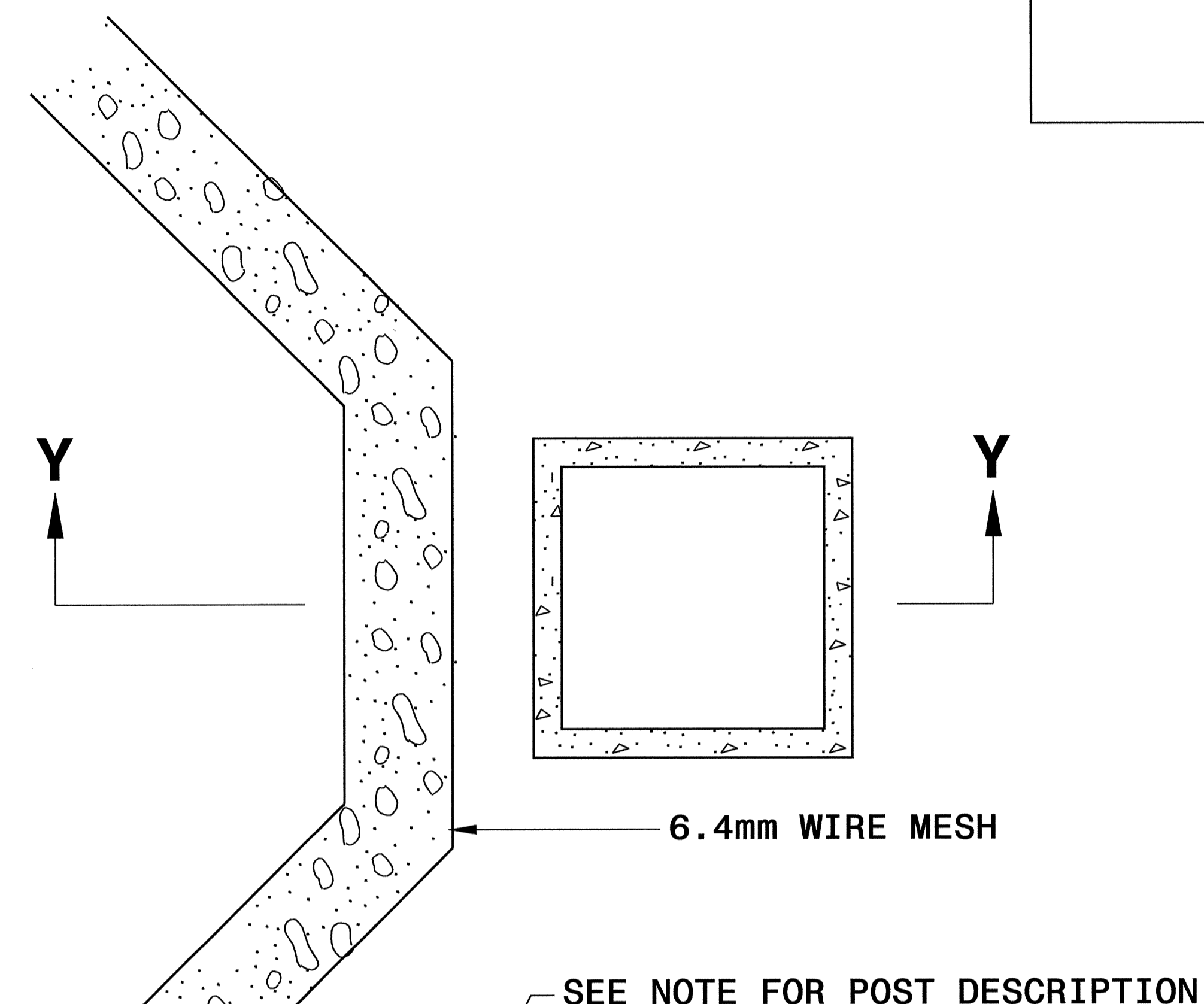


MAXIMUM POST SPACING 1.2m



**MULTI-DIRECTIONAL FLOW**

**NOTE**  
 USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL.  
 USE HARDWARE CLOTH 0.65mm WIRE MESH WITH 6.4mm MESH OPENINGS.  
 PLACE TOP OF WIRE MESH A MINIMUM OF 300mm BELOW THE SHOULDER OR ANY DIVERSION POINT.  
 INSTALL WIRE MESH UNDER SEDIMENT CONTROL STONE.  
 USE 1.5m STEEL POST, INSTALLED 450mm DEEP MINIMUM, AND OF THE SELF-FASTENER ANGLE STEEL TYPE.  
 SPACE POST A MAXIMUM OF 1.2m.



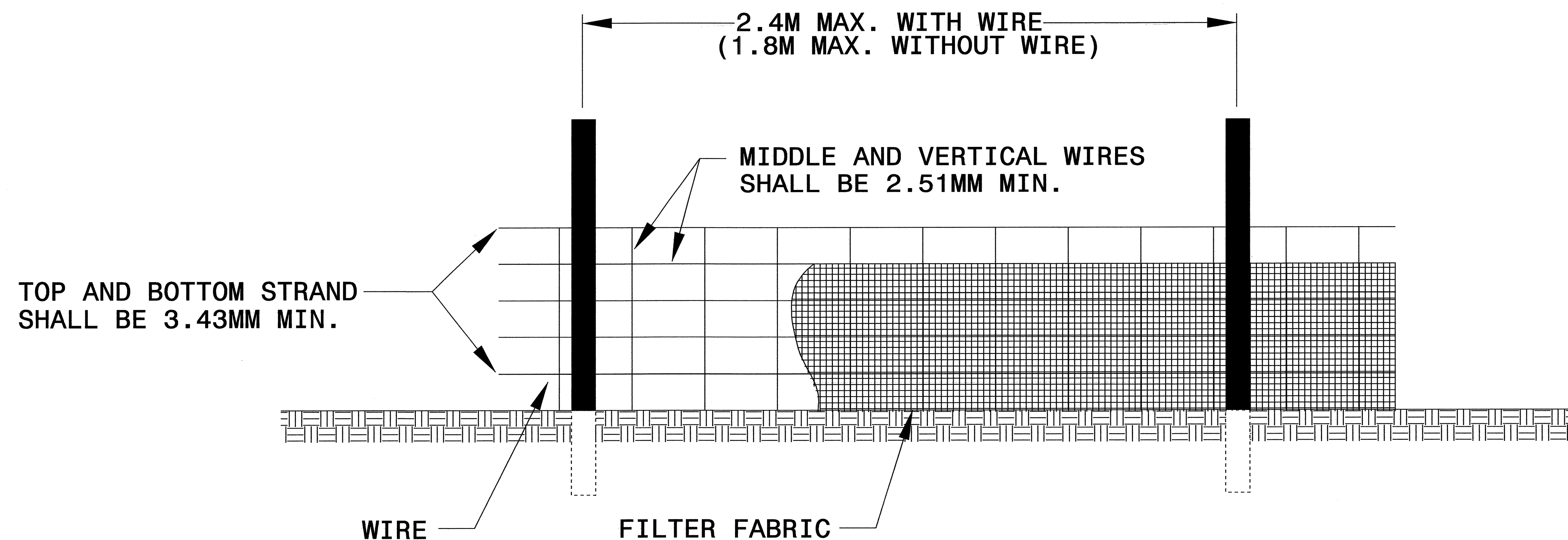
**SINGLE-DIRECTIONAL FLOW**





PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-26
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# TEMPORARY SILT FENCE DETAIL

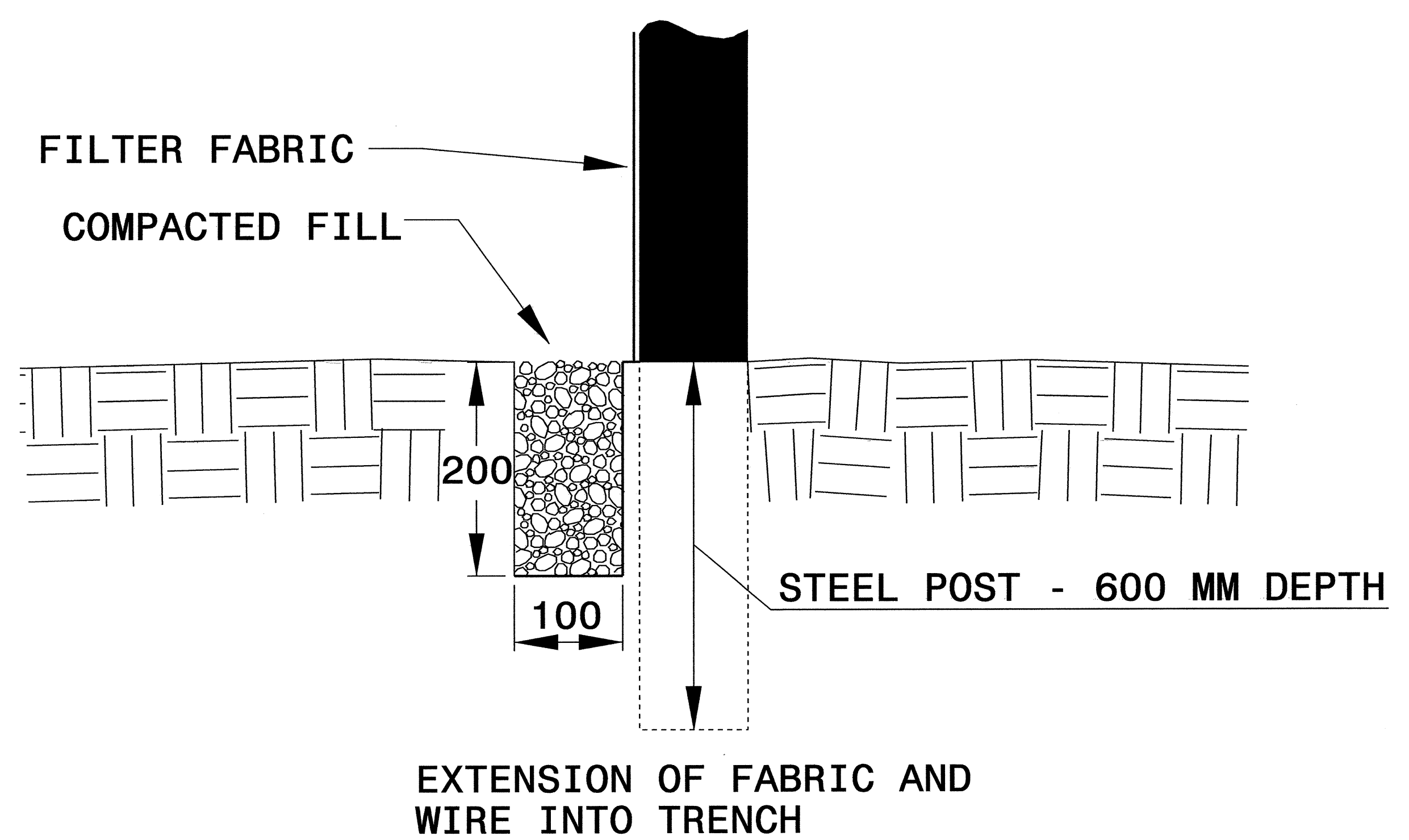


## NOTES

USE WIRE A MINIMUM OF 800MM IN WIDTH AND WITH A MINIMUM OF 6 LINE WIRES WITH 300MM STAY SPACING.

USE FILTER FABRIC A MINIMUM OF 900MM IN WIDTH AND FASTEN ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER.

PROVIDE 1.5M STEEL POST OF THE SELF-FASTENER ANGLE STEEL TYPE. ANGLE STEEL TYPE.



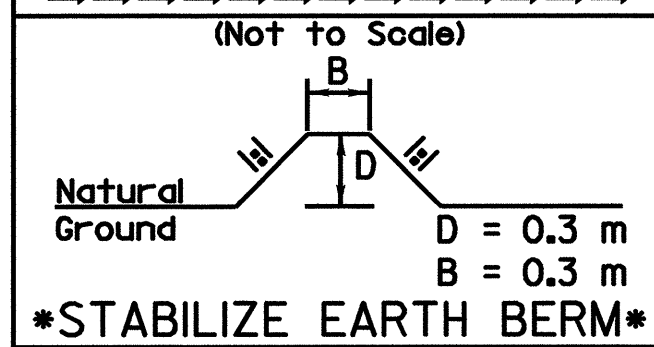


8/17/20

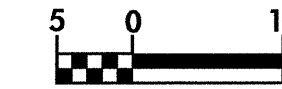
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 4

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

**TEMPORARY EARTH BERM**



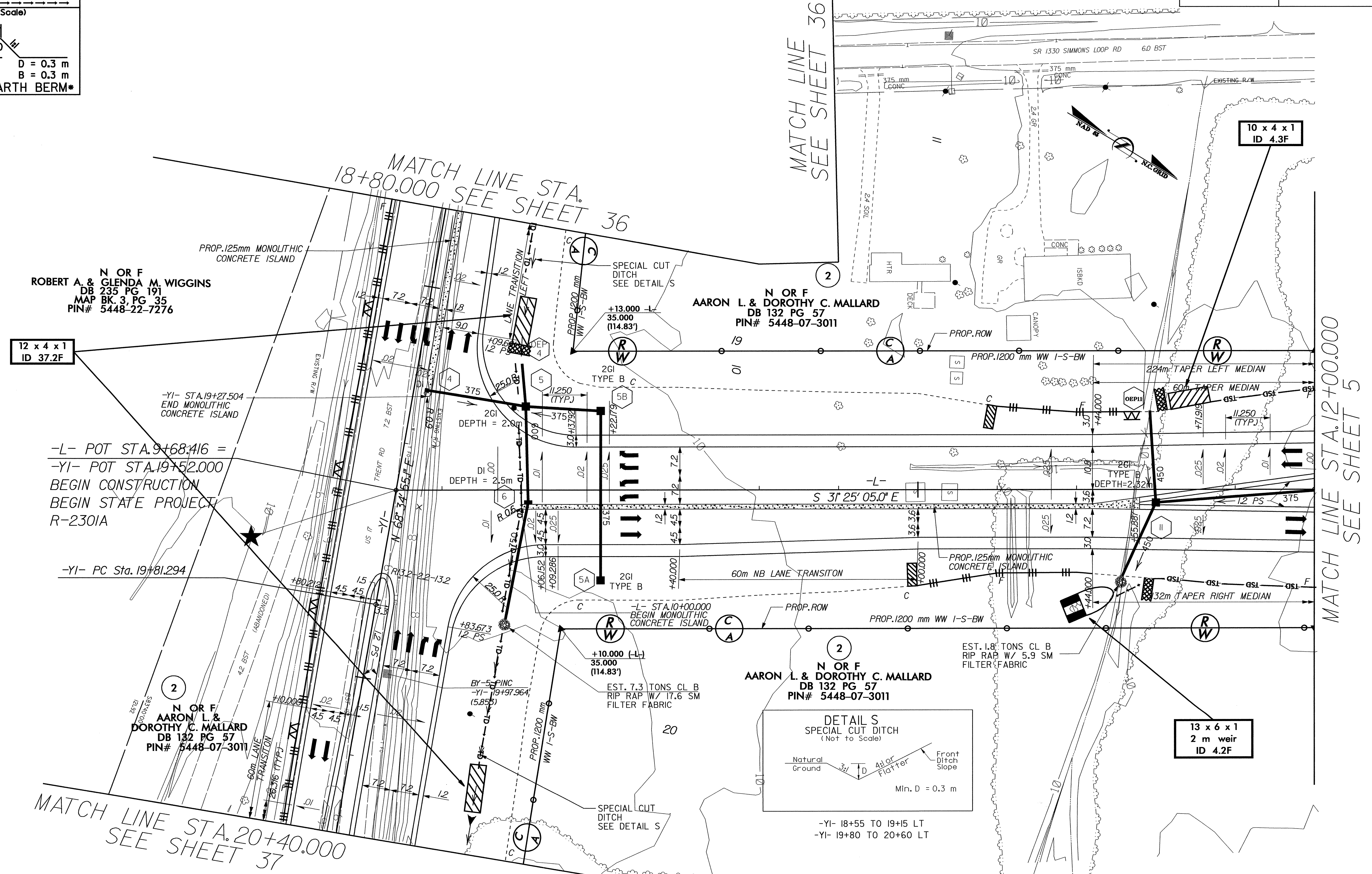
PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-4/CONST.4
R/W SHEET NO. 4,37	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	



MATCH LINE  
SEE SHEET 36

MATCH LINE STA.  
18+80.000 SEE SHEET 36

MATCH LINE STA. 12+00.000  
SEE SHEET 5



N OR F  
ROBERT A. & GLENDA M. WIGGINS  
DB 235 PG 191  
MAP BK. 3, PG 35  
PIN# 5448-22-7276

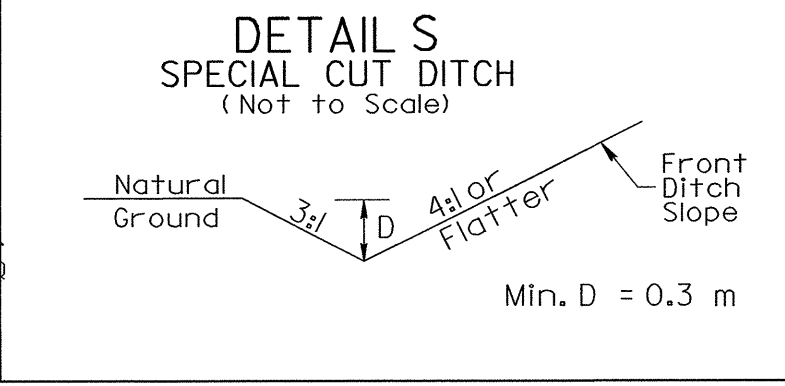
N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

12 x 4 x 1  
ID 37.2F

13 x 6 x 1  
2 m weir  
ID 4.2F

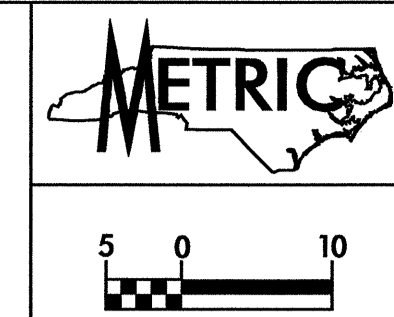


-L- POT STA. 9+68.416 =  
-YI- POT STA. 19+52.000  
BEGIN CONSTRUCTION  
BEGIN STATE PROJECT  
R-2301A

MATCH LINE STA. 20+40.000  
SEE SHEET 37

8/17/09

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 5



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-5/CONST.5
R/W SHEET NO. 4.5.6	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	R/W REV.

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

19 x 5 x 1  
2 m weir  
ID 5.9F

11 x 5 x 1  
ID 5.7F

18 x 6 x 1  
2 m weir  
ID 5.4F

8 x 4 x 1  
ID 5.2F

11 x 5 x 1  
2 m weir  
ID 5.3F

10 x 4 x 1  
ID 4.3F

8 x 4 x 1  
2 m weir  
ID 5.1F

12 x 5 x 1  
2 m weir  
ID 5.5F

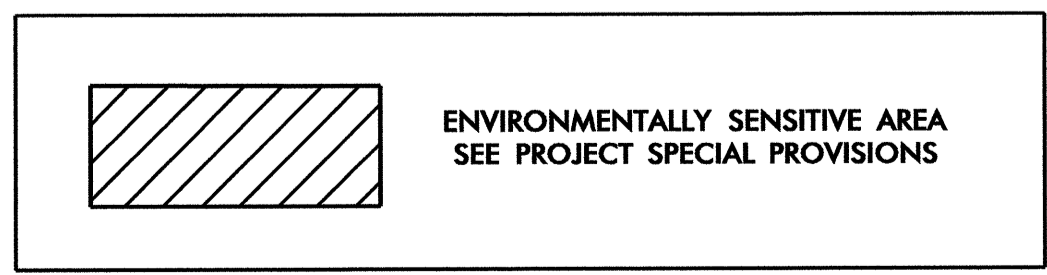
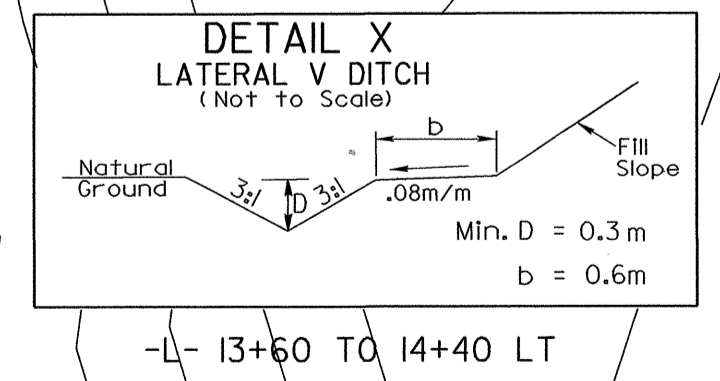
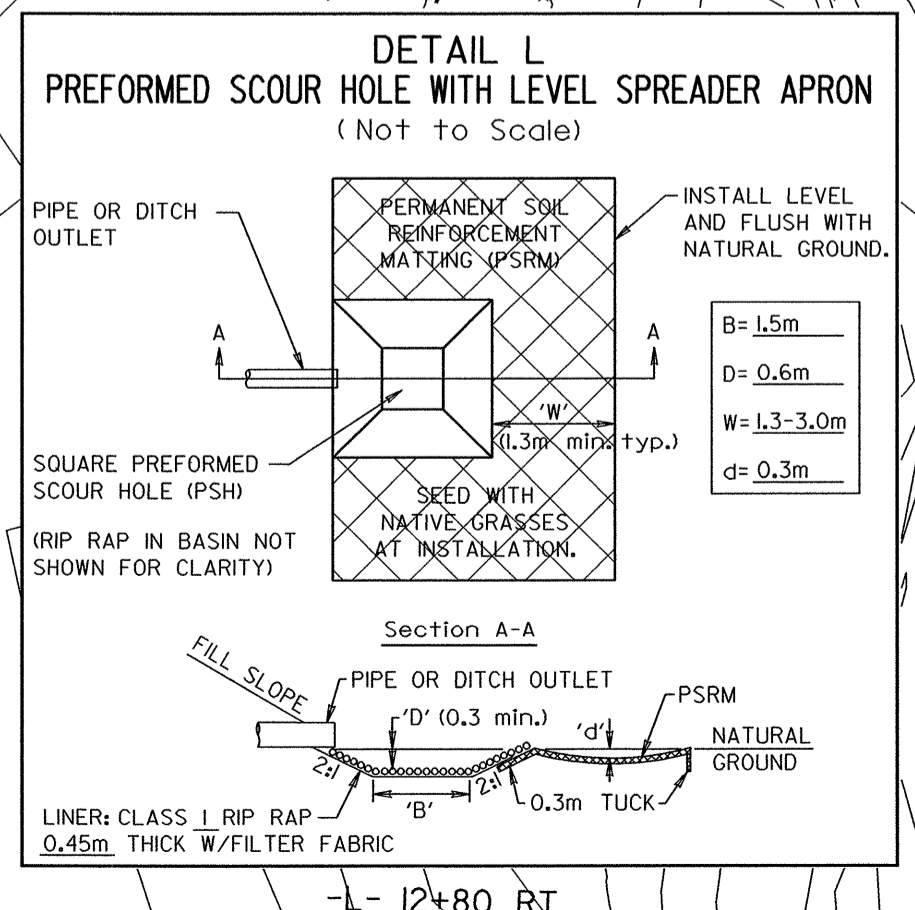
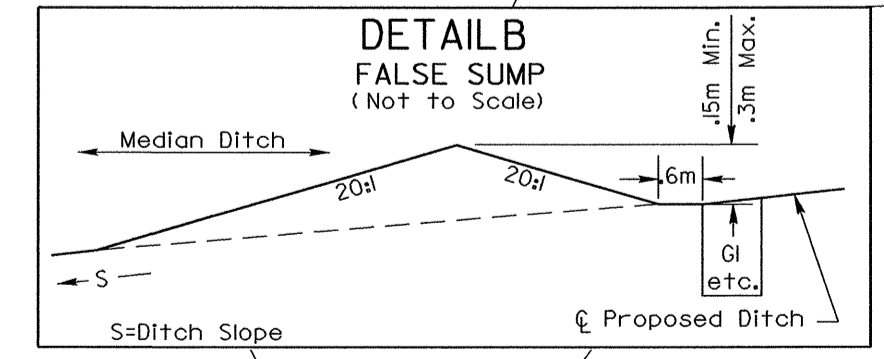
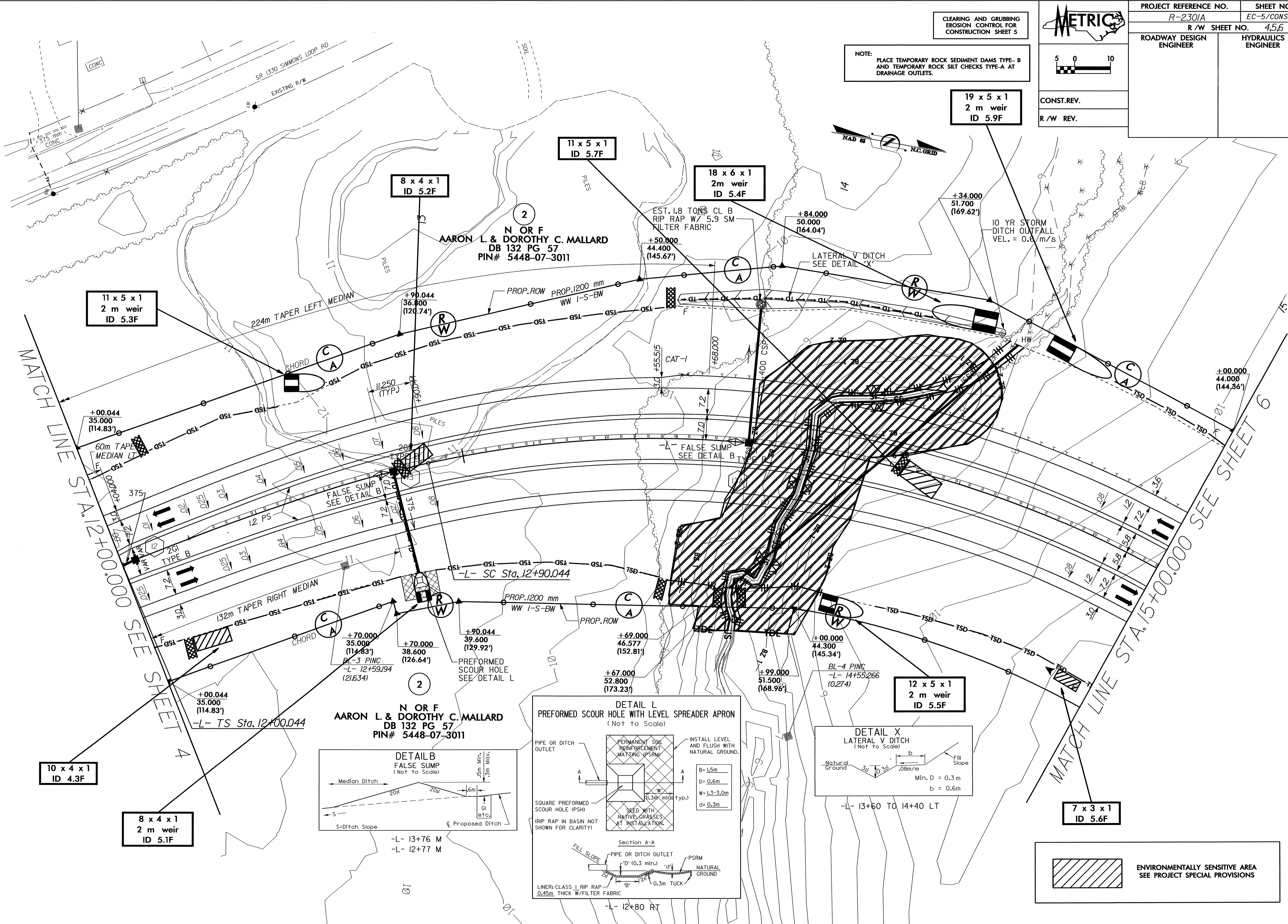
7 x 3 x 1  
ID 5.6F

N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

MATCH LINE STA. 12+00.000 SEE SHEET 4

MATCH LINE STA. 15+00.000 SEE SHEET 6

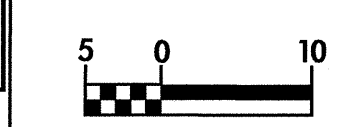


8/17/93

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 6



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-6/CONST.6
R/W SHEET NO. 6	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	



8 x 4 x 1  
ID 5.10.F

6 x 3 x 1  
ID 6.2F

10 x 5 x 1  
2 m weir  
ID 6.1F

6 x 3 x 1  
ID 6.8F

12 x 6 x 1  
ID 6.1CG

10 x 5 x 1  
2 m weir  
ID 6.7F

N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

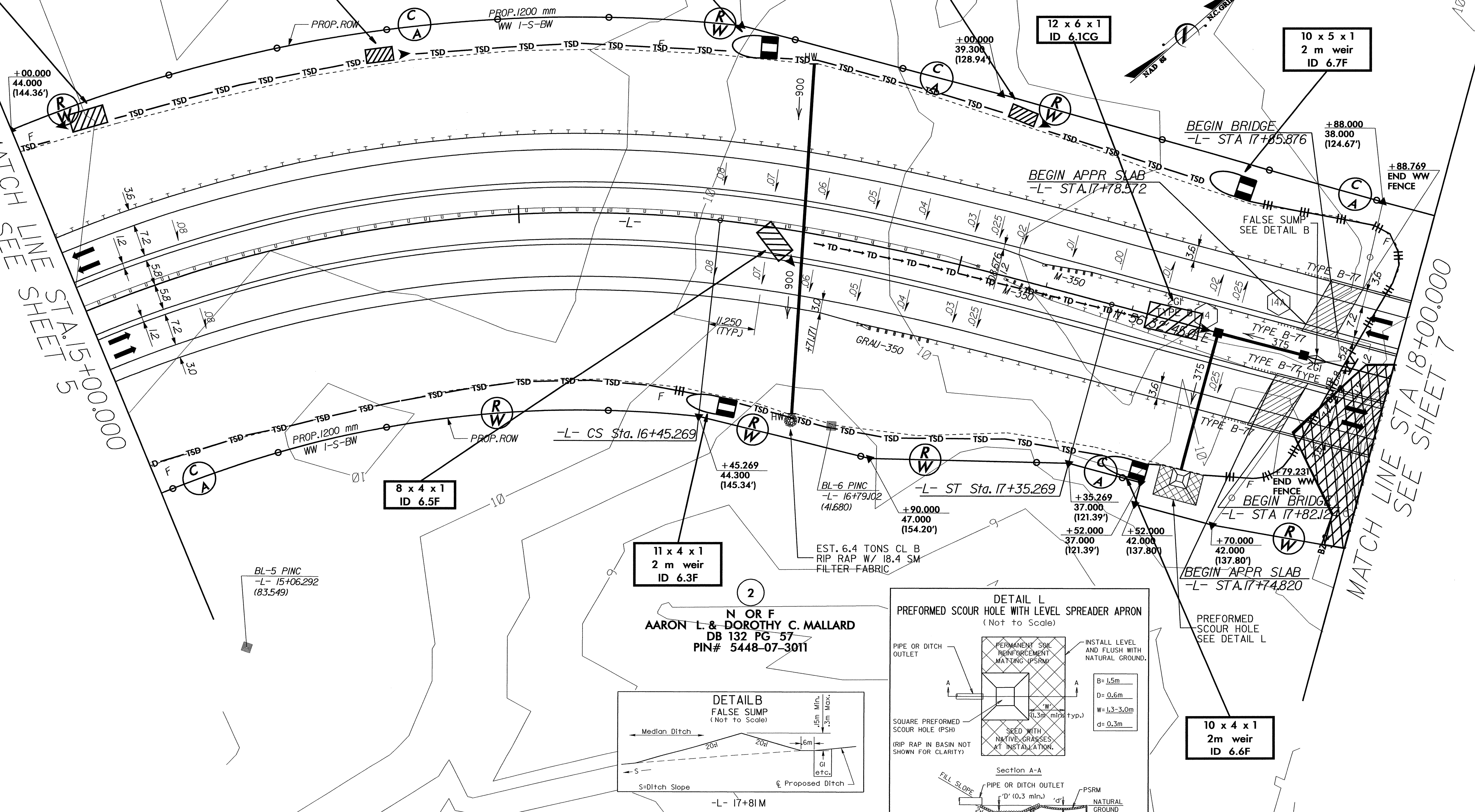
+45.269  
44.000  
(144.36')

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

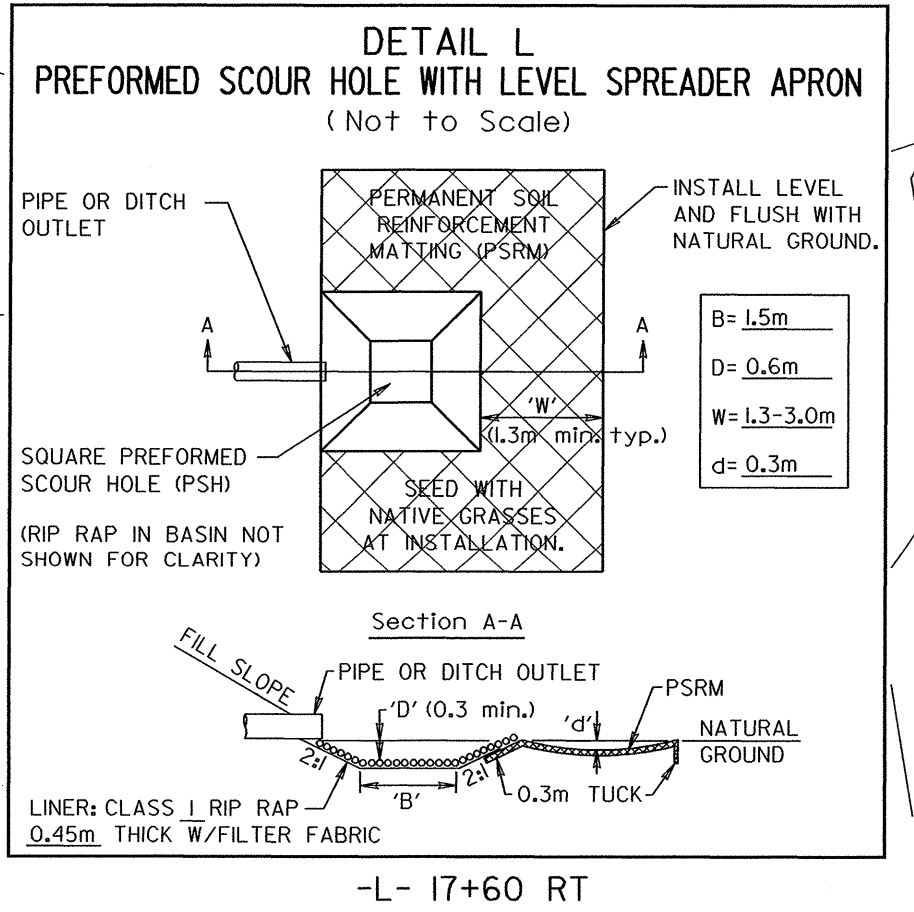
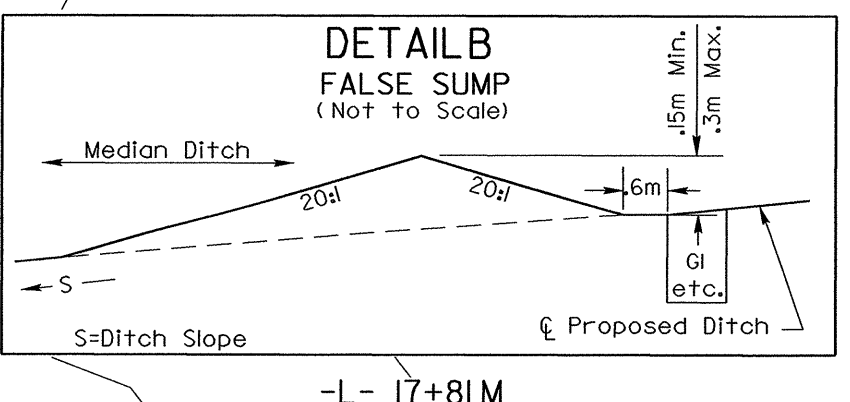
NOTE:  
UTILIZE TEMPORARY ROCK SEDIMENT DAM TYPE - B  
AS STILLING BASIN WHERE APPLICABLE.

MATCH LINE SEE SHEET 5  
STA 15+00.000

MATCH LINE SEE SHEET 7  
STA 18+00.000



N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011



ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

**METRIC**

CONST. REV.  
R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-7/CONST.7
R/W SHEET NO. 7	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

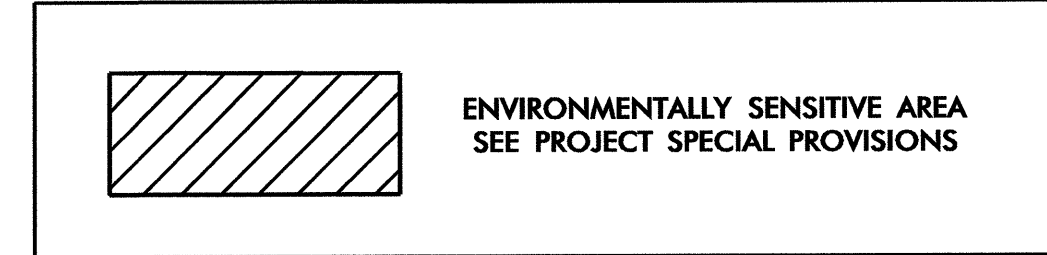
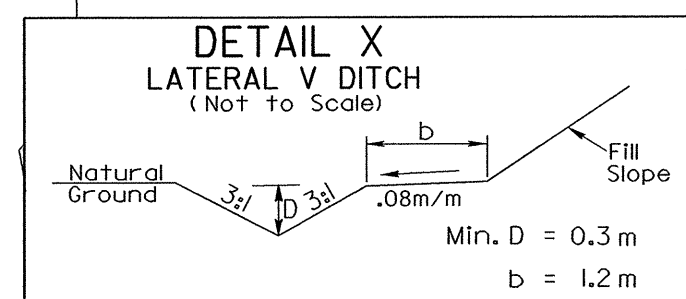
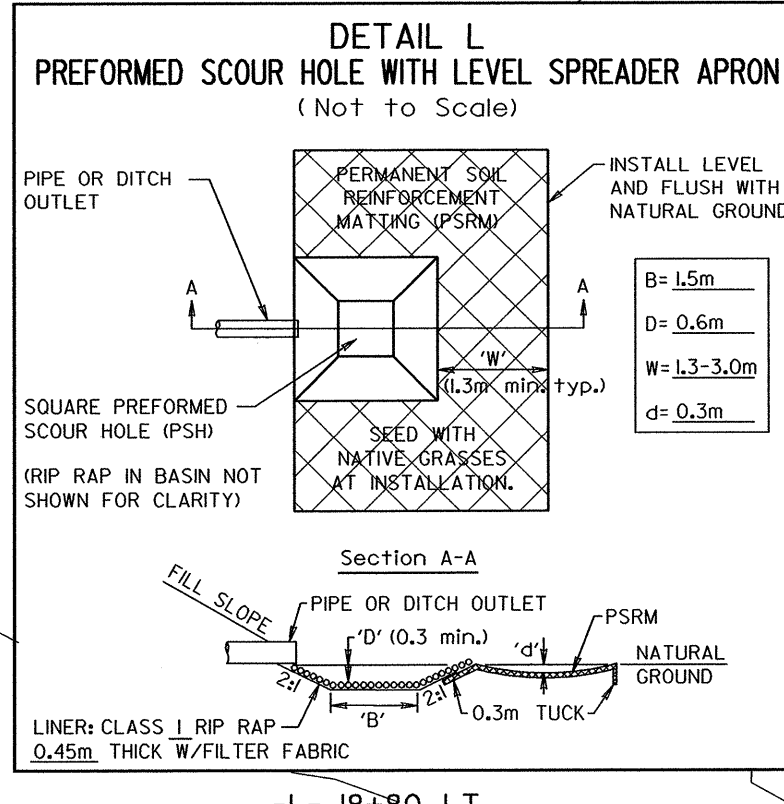
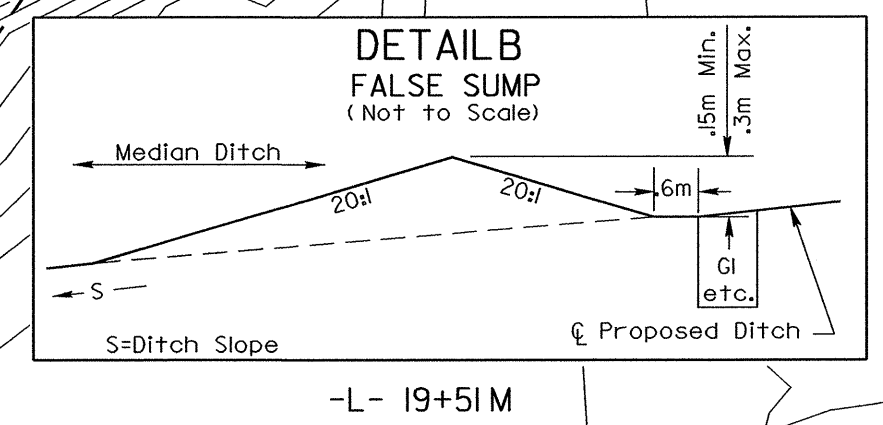
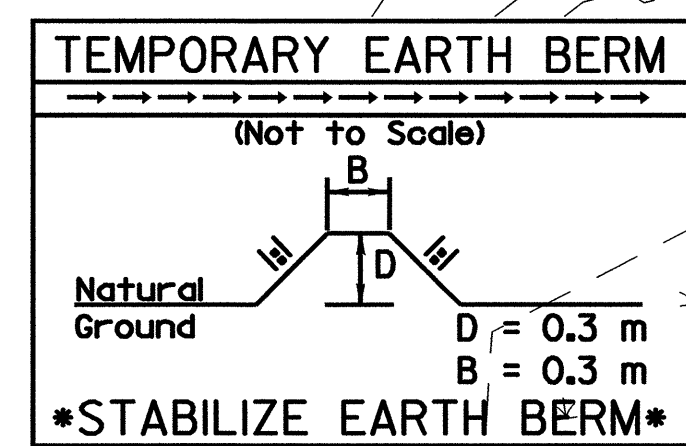
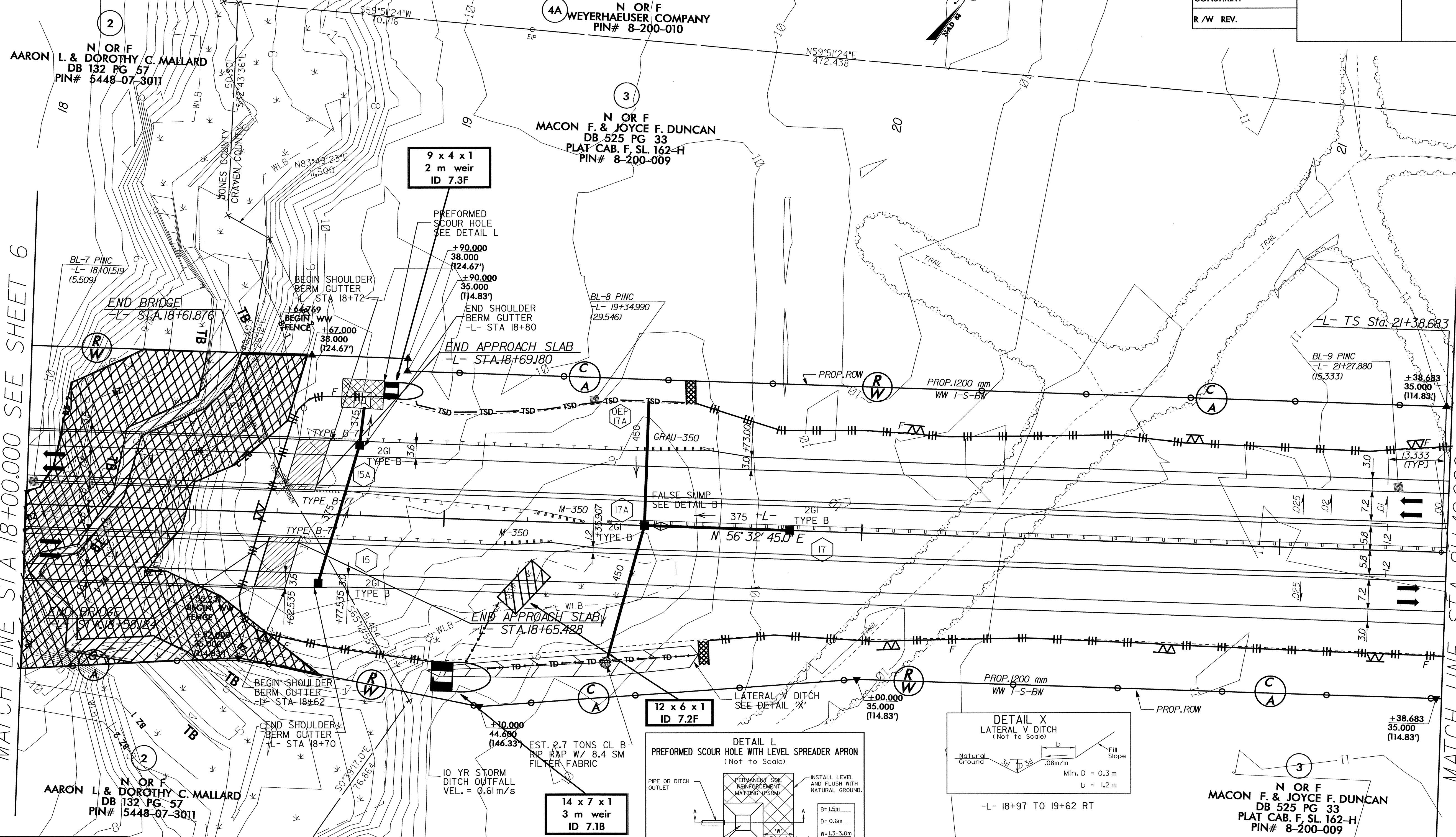
NOTE: UTILIZE TEMPORARY ROCK SEDIMENT DAM TYPE - B AS STILLING BASIN WHERE APPLICABLE.

NOTE: CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 7

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

MATCH LINE STA 18+00.000 SEE SHEET 6

MATCH LINE STA 21+40.000 SEE SHEET 8



N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009

N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

14 x 7 x 1  
3 m weir  
ID 7.1B

12 x 6 x 1  
ID 7.2F

9 x 4 x 1  
2 m weir  
ID 7.3F

N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009

N OR F  
WEYERHAEUSER COMPANY  
PIN# 8-200-010

N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

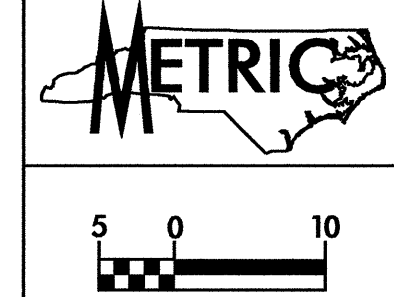
8/17/09

8/17/99

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 8

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

INSTALL FILTER FABRIC UNDER  
TEMPORARY ROCK SILT CHECK(S)  
TYPE A IN PERMITTED WETLANDS.



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-8/CONST.8
R/W SHEET NO. 8	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

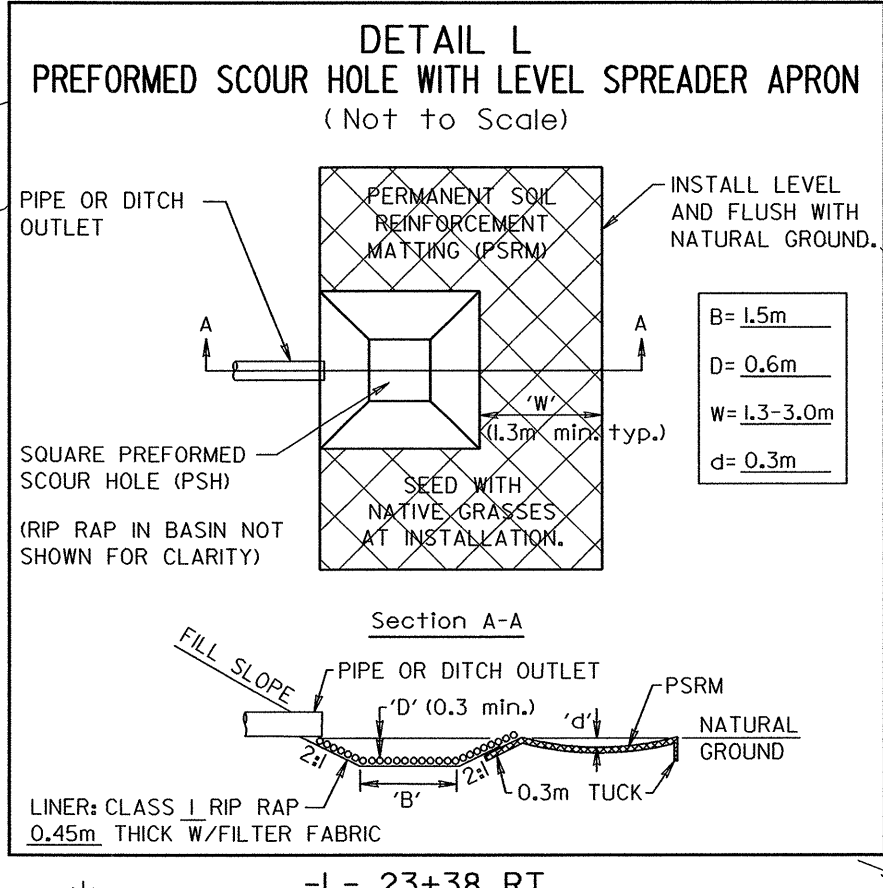
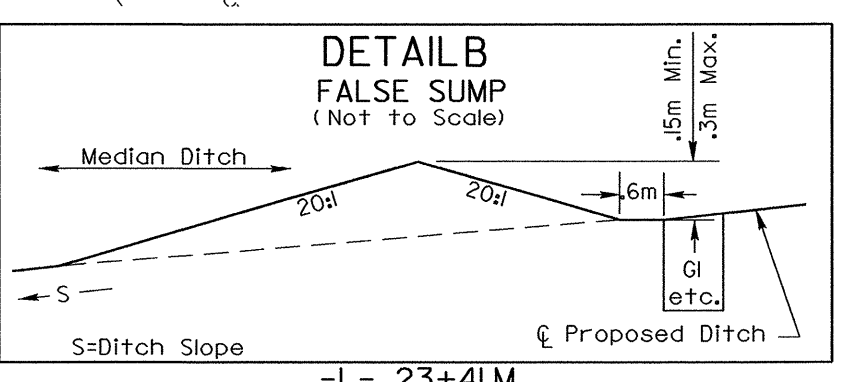
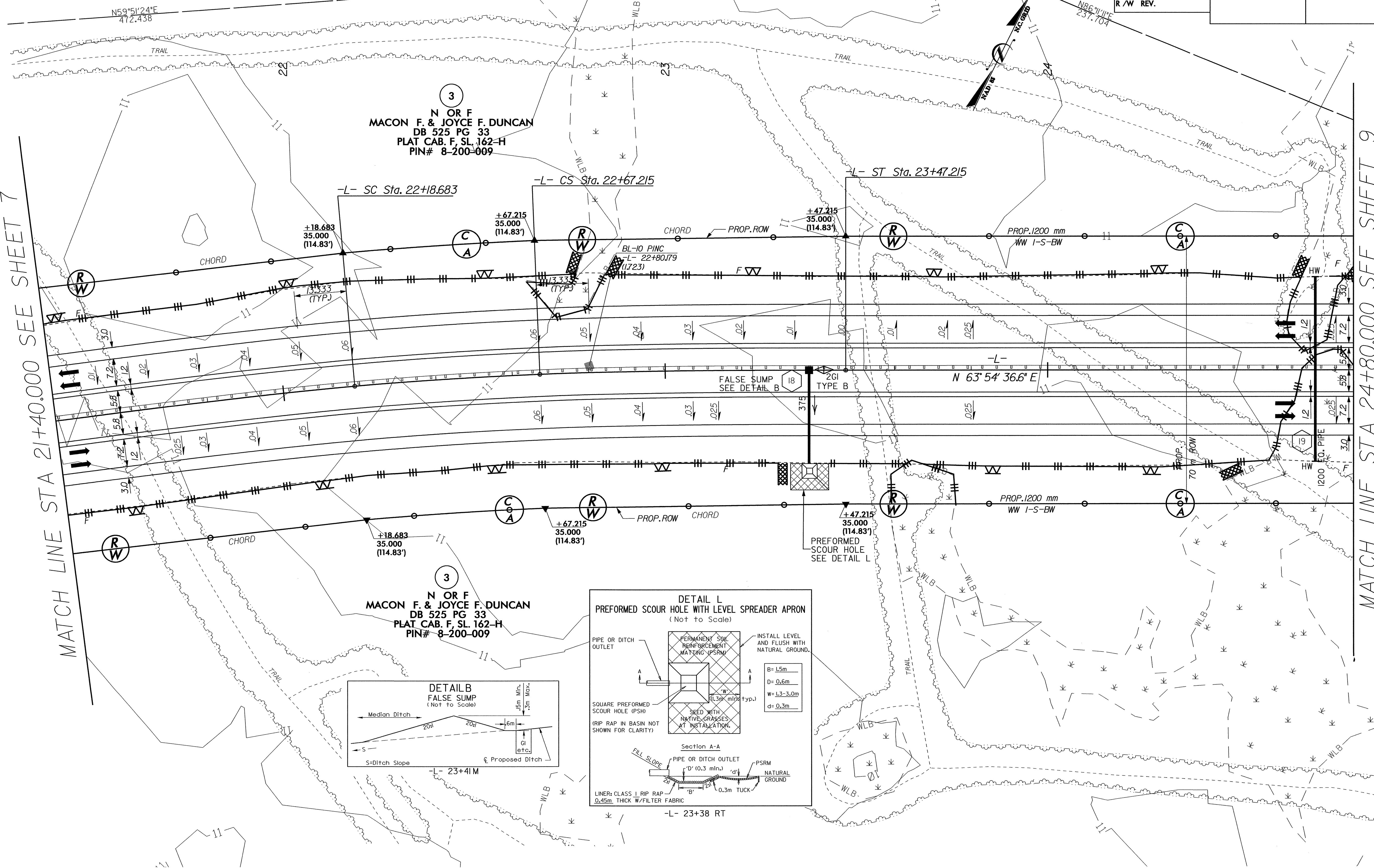
4A  
N OR F  
WEYERHAEUSER COMPANY  
PIN# 8-200-010

3  
N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009

3  
N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009

MATCH LINE STA 21+40.00 SEE SHEET 7

MATCH LINE STA 24+80.00 SEE SHEET 9



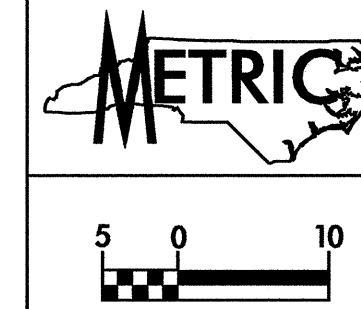
FALSE SUMP  
SEE DETAIL B

PREFORMED SCOUR HOLE  
SEE DETAIL L

8/17/98

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 9

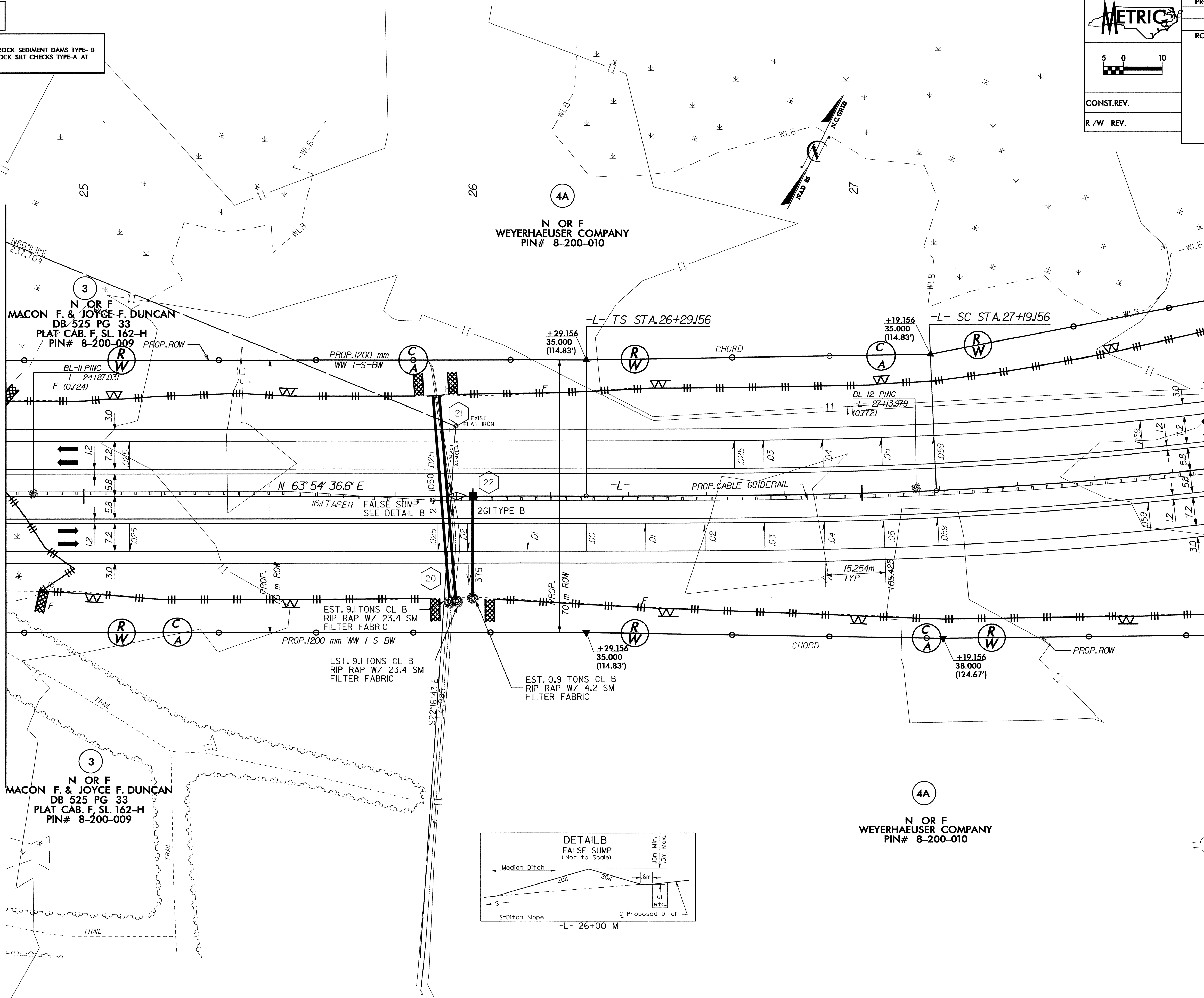
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B  
AND TEMPORARY ROCK SILT CHECKS TYPE-A AT  
DRAINAGE OUTLETS.



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-9/CONST.9
R/W SHEET NO. 9	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	

MATCH LINE STA 24+80.000 SEE SHEET 8

MATCH LINE STA 28+00.000 SEE SHEET 10

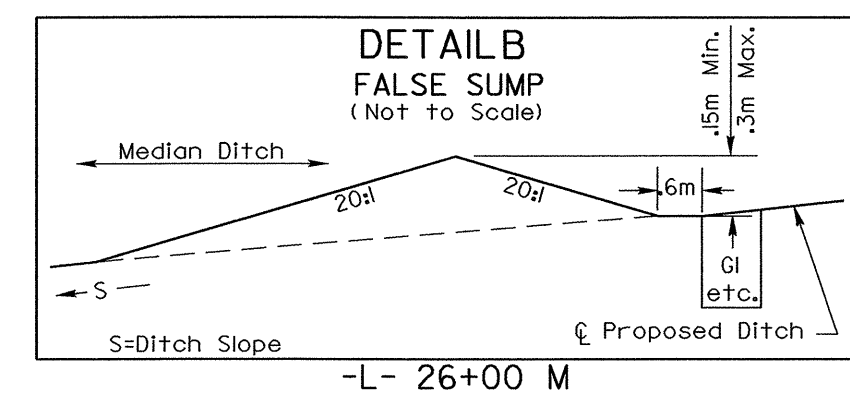


N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009

N OR F  
WEYERHAEUSER COMPANY  
PIN# 8-200-010

N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009

N OR F  
WEYERHAEUSER COMPANY  
PIN# 8-200-010



EST. 9.1 TONS CL B  
RIP RAP W/ 23.4 SM  
FILTER FABRIC

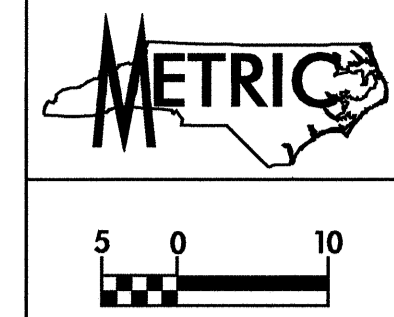
EST. 0.9 TONS CL B  
RIP RAP W/ 4.2 SM  
FILTER FABRIC

EST. 9.1 TONS CL B  
RIP RAP W/ 23.4 SM  
FILTER FABRIC



8/17/93  
 CLEARING AND GRUBBING  
 EROSION CONTROL FOR  
 CONSTRUCTION SHEET 10

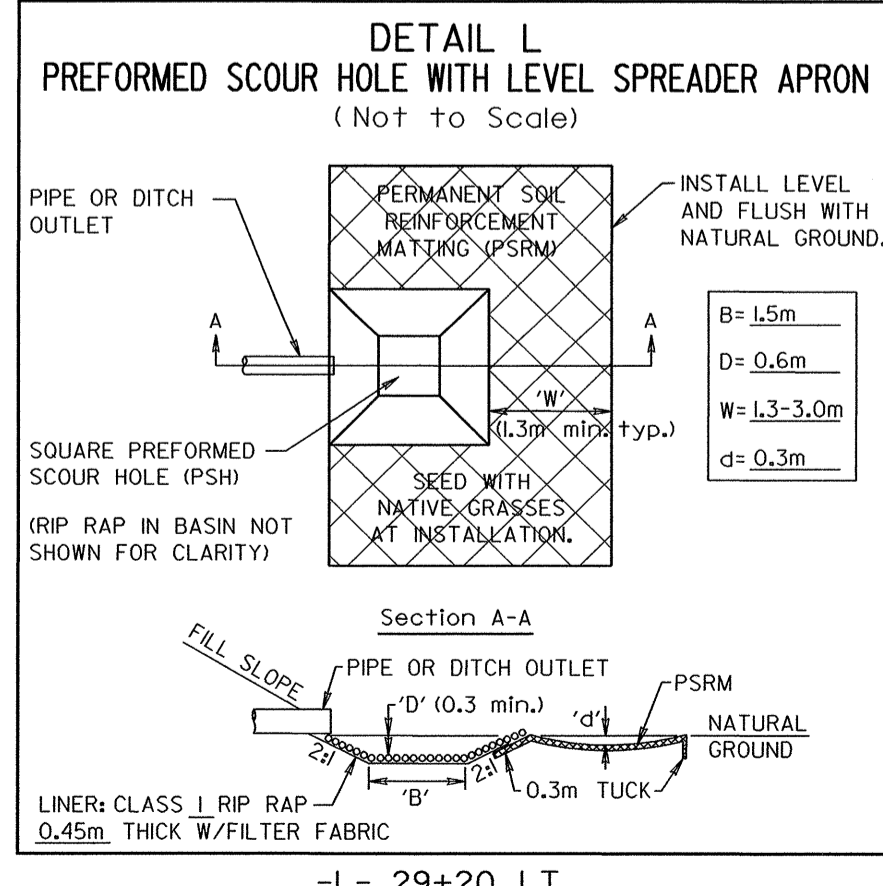
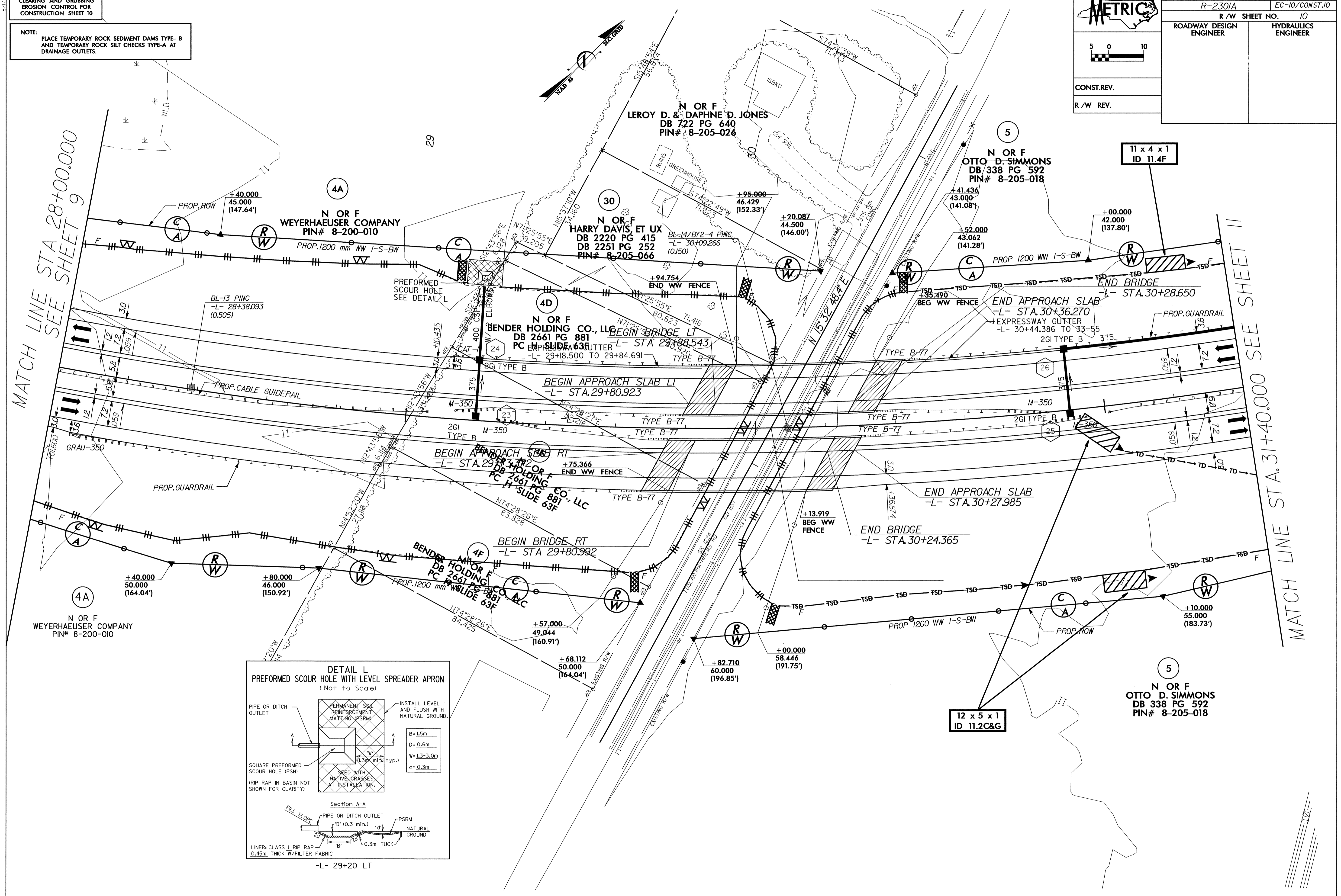
NOTE:  
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B  
 AND TEMPORARY ROCK SILT CHECKS TYPE-A AT  
 DRAINAGE OUTLETS.



PROJECT REFERENCE NO.	SHEET NO.
R-2301A	EC-10/CONST.10
R/W SHEET NO.	10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

MATCH LINE STA 28+00.000  
SEE SHEET 9

MATCH LINE STA. 31+40.000 SEE SHEET 11



12 x 5 x 1  
ID 11.2C&G

11 x 4 x 1  
ID 11.4F

5  
 N OR F  
 OTTO D. SIMMONS  
 DB 338 PG 592  
 PIN# 8-205-018

4A  
 N OR F  
 WEYERHAEUSER COMPANY  
 PIN# 8-200-010

30  
 N OR F  
 HARRY DAVIS, ET UX  
 DB 2251 PG 415  
 DB 2251 PG 252  
 PIN# 8-205-066

5  
 N OR F  
 OTTO D. SIMMONS  
 DB 338 PG 592  
 PIN# 8-205-018

4D  
 N OR F  
 BENDER HOLDING CO., LLC  
 DB 2661 PG 881  
 PC # 2661 PG 636  
 PIN# 8-205-036

4A  
 N OR F  
 WEYERHAEUSER COMPANY  
 PIN# 8-200-010

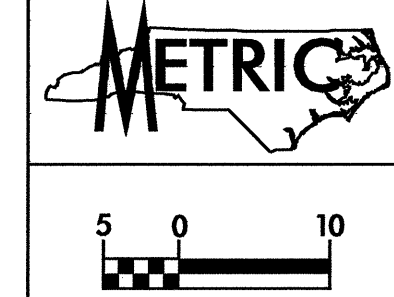
4F  
 N OR F  
 BENDER HOLDING CO., LLC  
 DB 2661 PG 881  
 PC # 2661 PG 636  
 PIN# 8-205-036

5

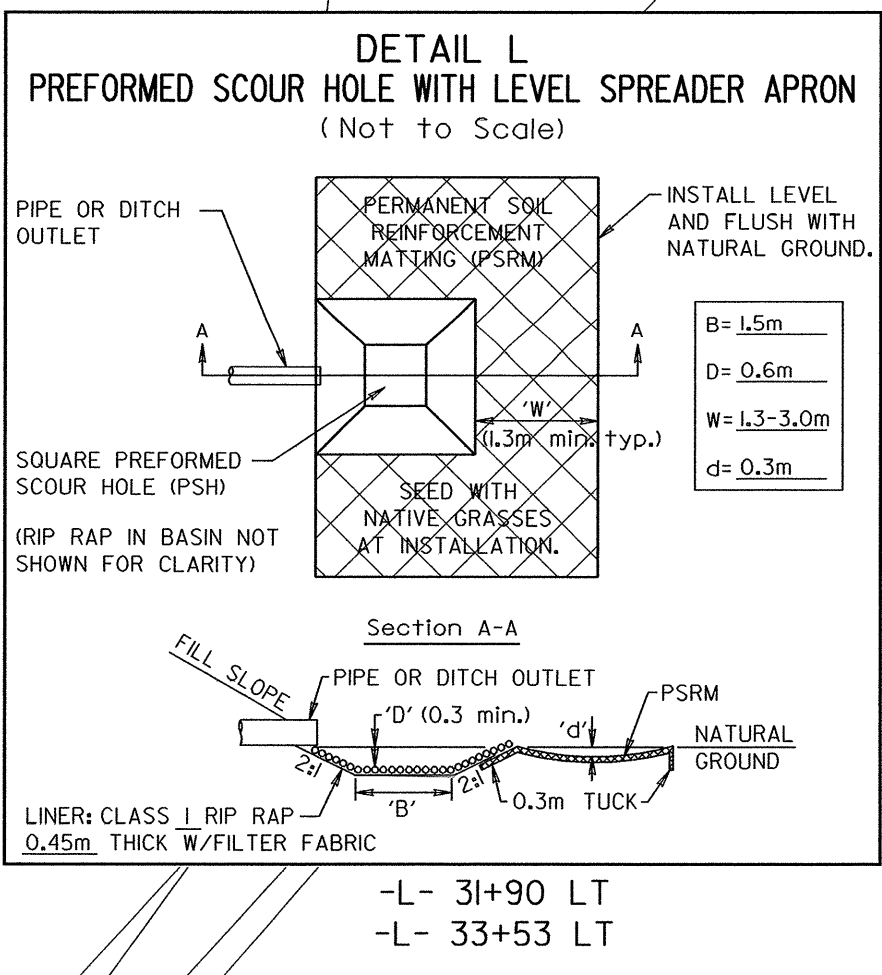
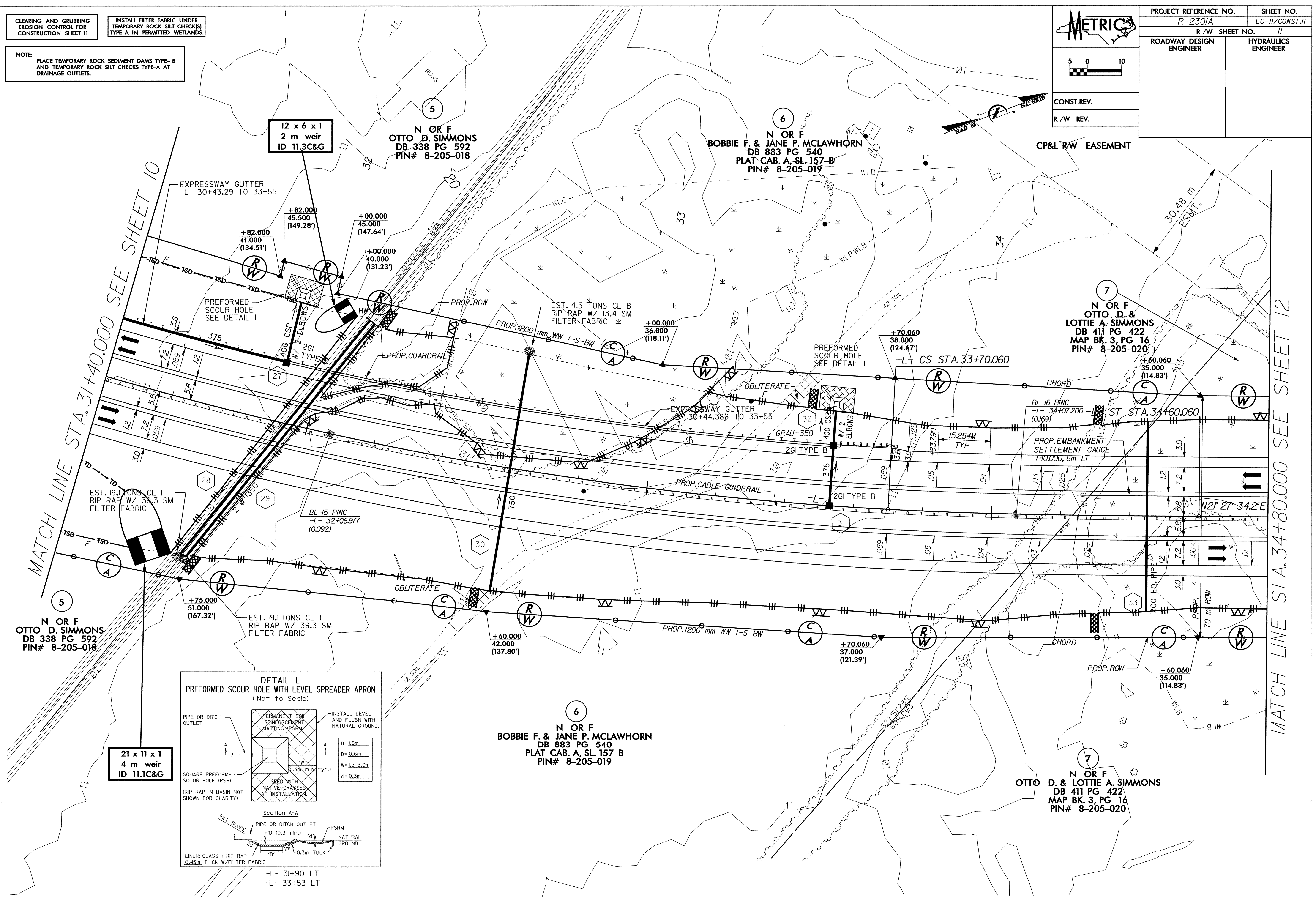
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 11

INSTALL FILTER FABRIC UNDER  
TEMPORARY ROCK SILT CHECK(S)  
TYPE A IN PERMITTED WETLANDS.

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



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-11/CONST.11
R/W SHEET NO. 11	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

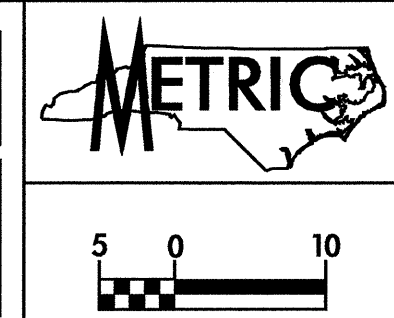


MATCH LINE STA. 31+40.000 SEE SHEET 10

MATCH LINE STA. 34+80.000 SEE SHEET 12

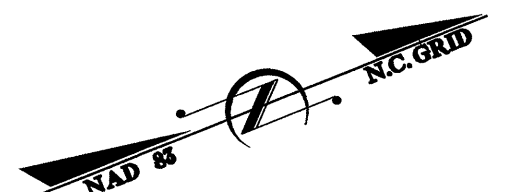
8/17/93

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 12



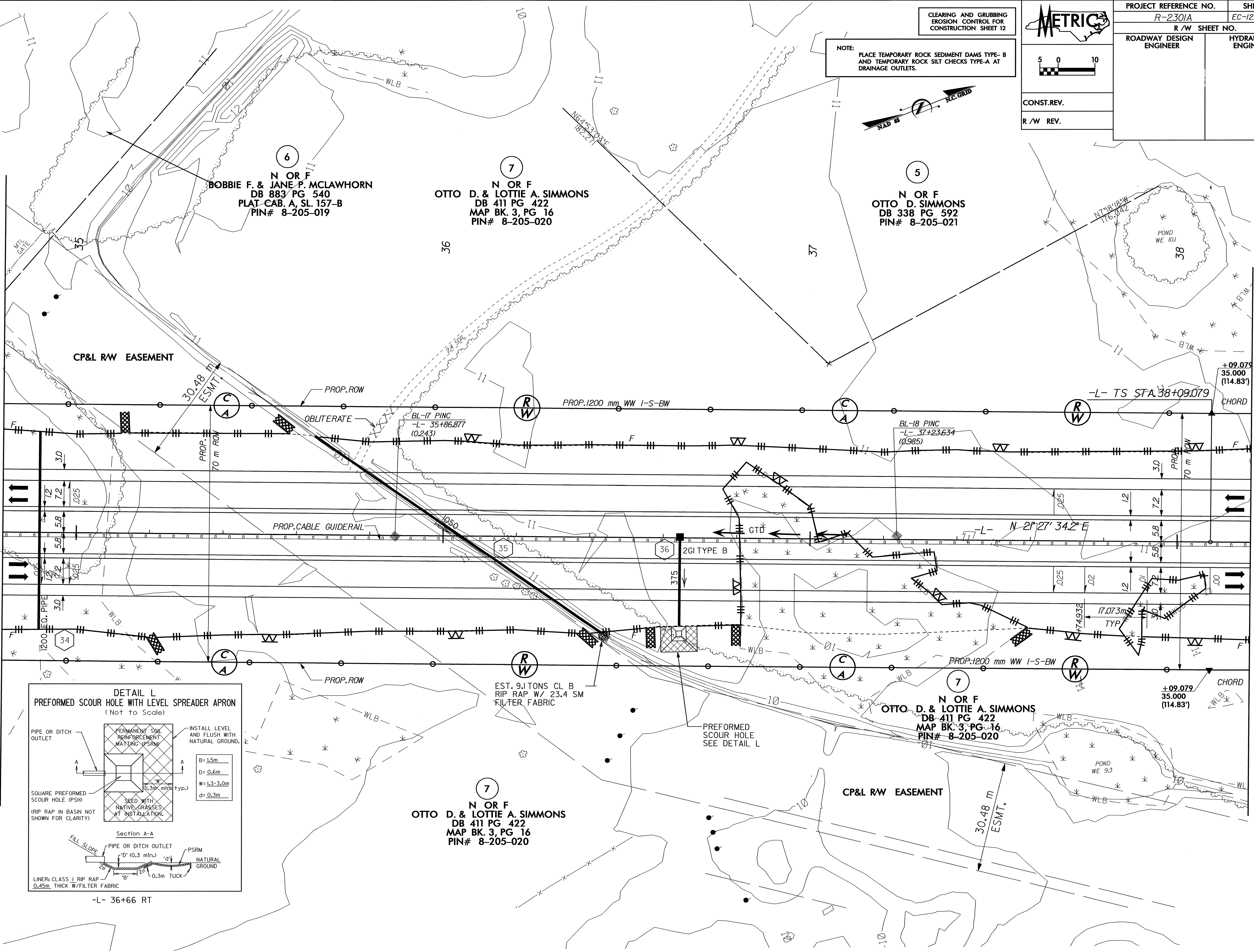
PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-12/CONST.12
R/W SHEET NO. 12	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

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



MATCH LINE STA. 34+80.000 SEE SHEET 11

MATCH LINE STA 38+20.000 SEE SHEET 13



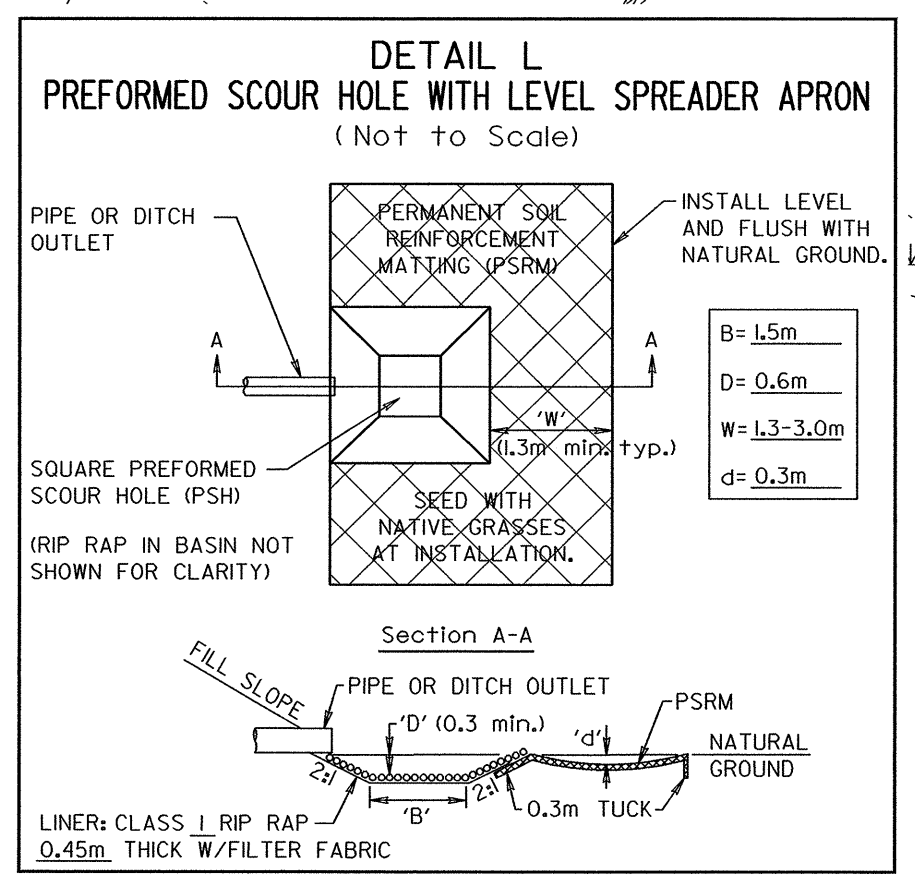
6  
N OR F  
BOBBIE F. & JANE P. MCLAWHORN  
DB 883 PG 540  
PLAT CAB. A, SL 157-B  
PIN# 8-205-019

7  
N OR F  
OTTO D. & LOTTIE A. SIMMONS  
DB 411 PG 422  
MAP BK. 3, PG 16  
PIN# 8-205-020

5  
N OR F  
OTTO D. SIMMONS  
DB 338 PG 592  
PIN# 8-205-021

7  
N OR F  
OTTO D. & LOTTIE A. SIMMONS  
DB 411 PG 422  
MAP BK. 3, PG 16  
PIN# 8-205-020

7  
N OR F  
OTTO D. & LOTTIE A. SIMMONS  
DB 411 PG 422  
MAP BK. 3, PG 16  
PIN# 8-205-020



-L- 36+66 RT

8/17/99

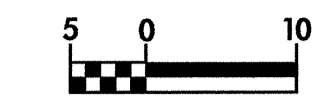
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 13

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

NOTE: FOR -L- PROFILE SEE SHEET 47

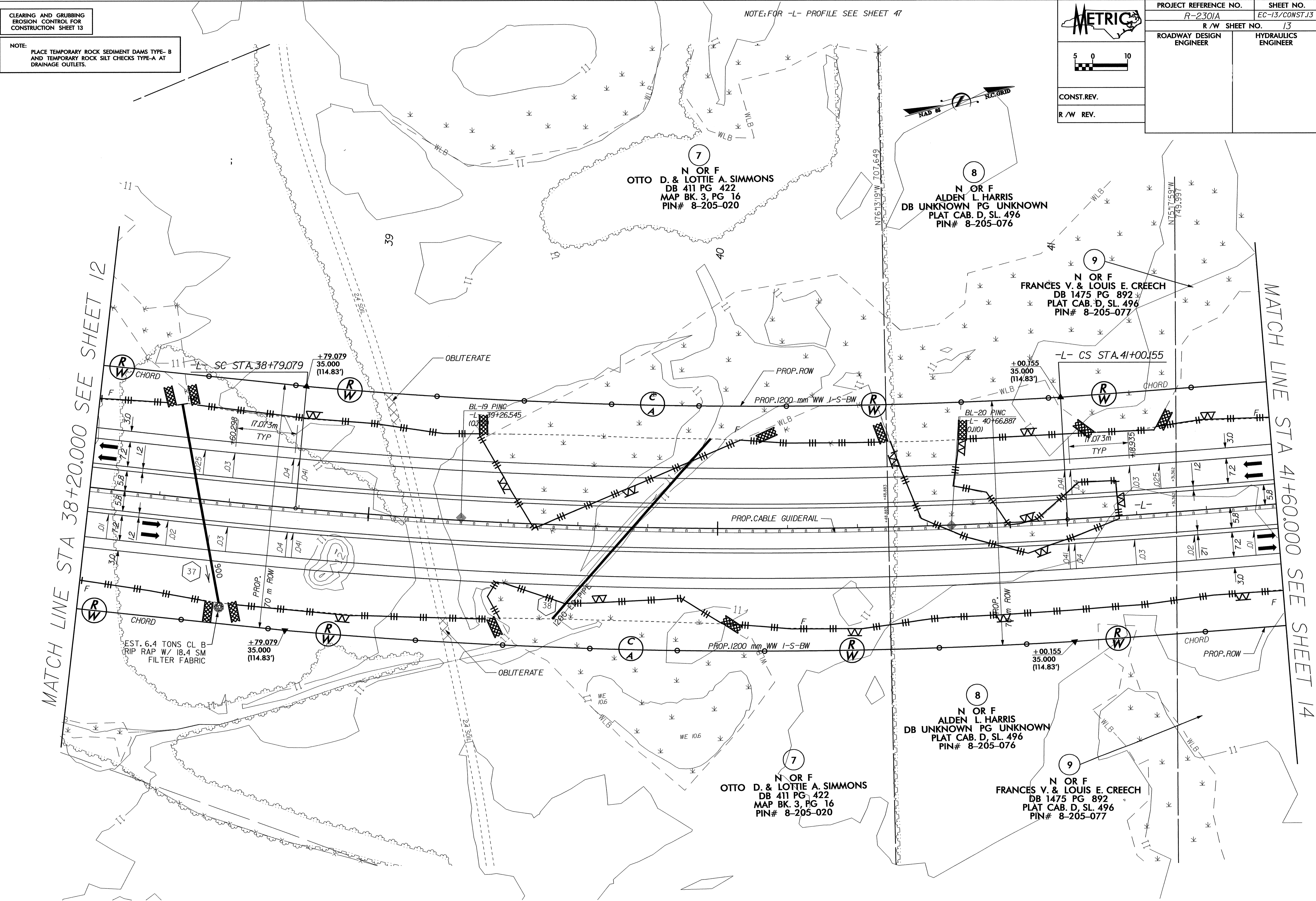


PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-13/CONST.13
R/W SHEET NO. 13	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	



MATCH LINE STA 38+20.000 SEE SHEET 12

MATCH LINE STA 41+60.000 SEE SHEET 14



SC STA. 38+79.079

+79.079  
35.000  
(114.83')

BL-19 PINC  
L-39+26.545  
(0.07)

+00.155  
35.000  
(114.83')

-L- CS STA. 41+00.155

EST. 6.4 TONS CL B  
RIP RAP W/ 18.4 SM  
FILTER FABRIC

+79.079  
35.000  
(114.83')

+00.155  
35.000  
(114.83')

7  
N OR F  
OTTO D. & LOTTIE A. SIMMONS  
DB 411 PG 422  
MAP BK. 3, PG 16  
PIN# 8-205-020

8  
N OR F  
ALDEN L. HARRIS  
DB UNKNOWN PG UNKNOWN  
PLAT CAB. D, SL. 496  
PIN# 8-205-076

9  
N OR F  
FRANCES V. & LOUIS E. CREECH  
DB 1475 PG 892  
PLAT CAB. D, SL. 496  
PIN# 8-205-077

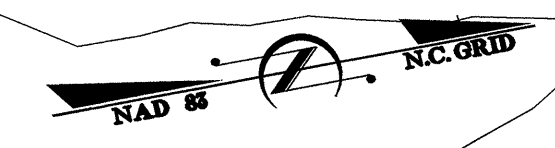
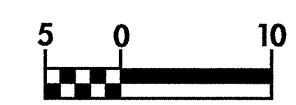
8/17/23

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 14

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

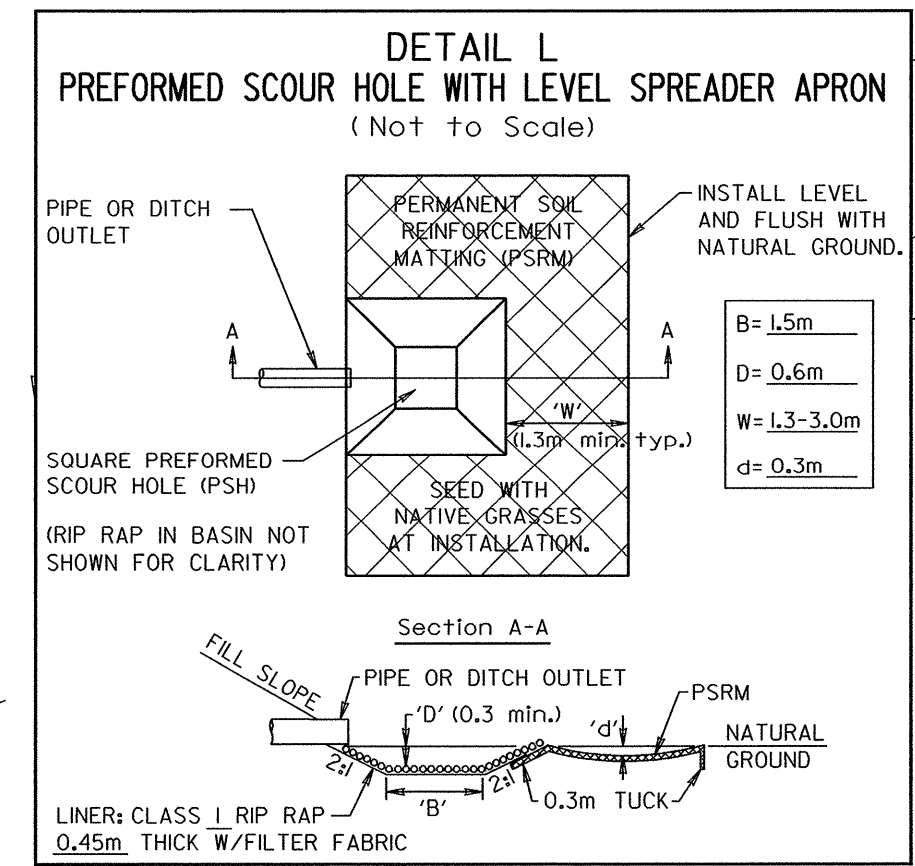
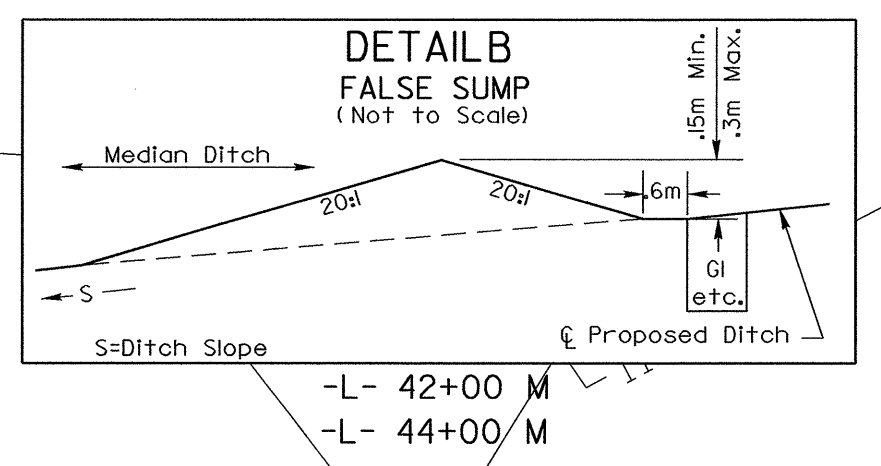
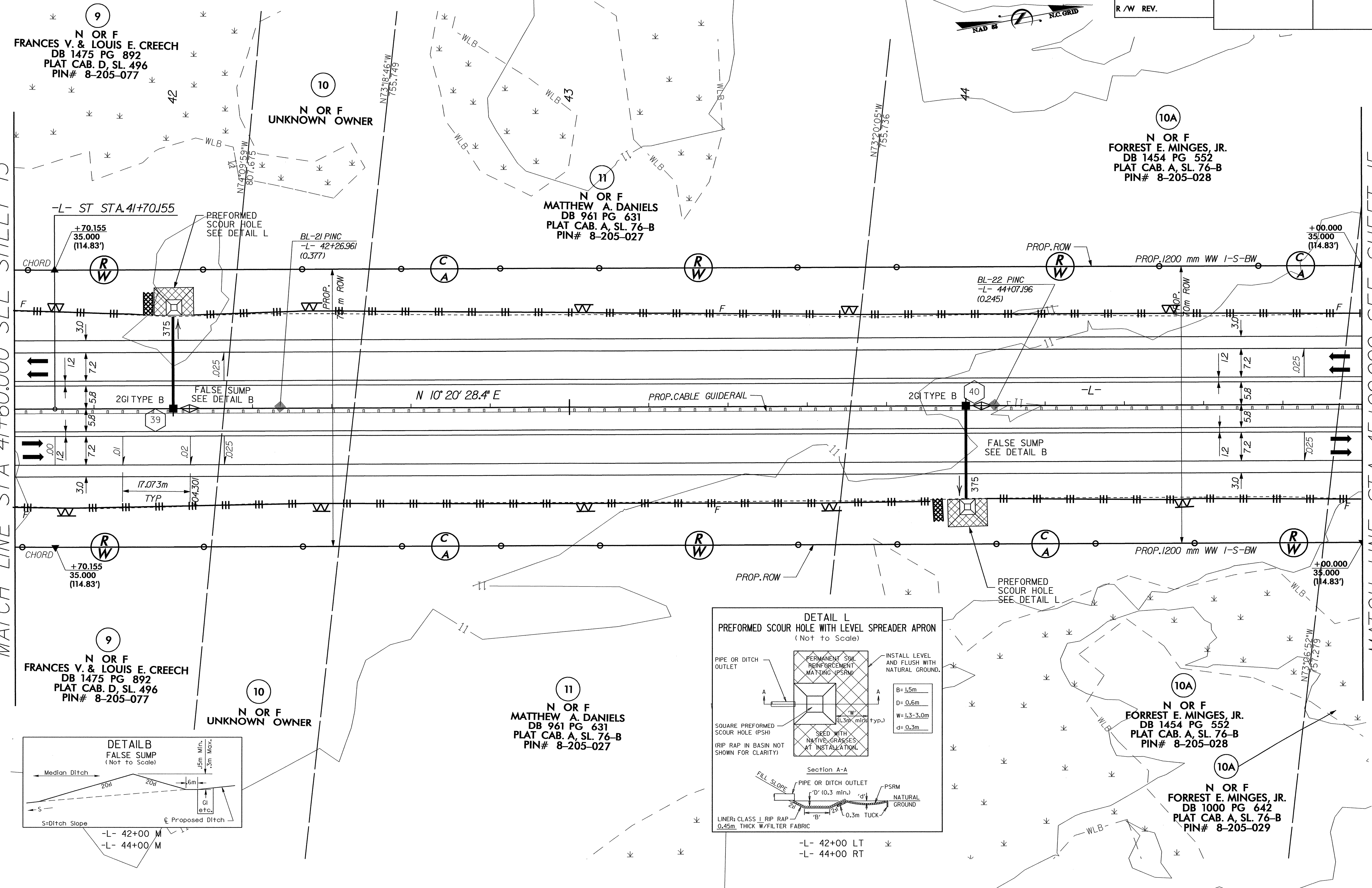


PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-14/CONST.14
R/W SHEET NO. 14	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	



MATCH LINE STA 41+60.000 SEE SHEET 13

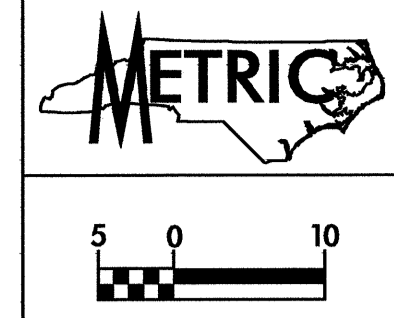
MATCH LINE STA 45+00.000 SEE SHEET 15



8/17/99

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 15

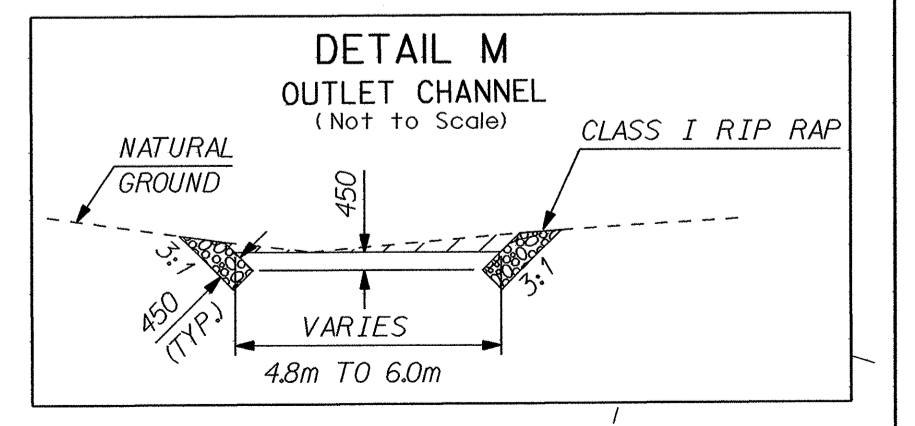
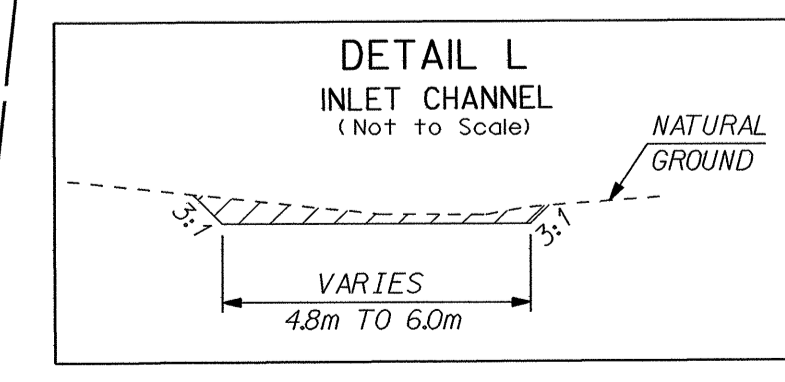
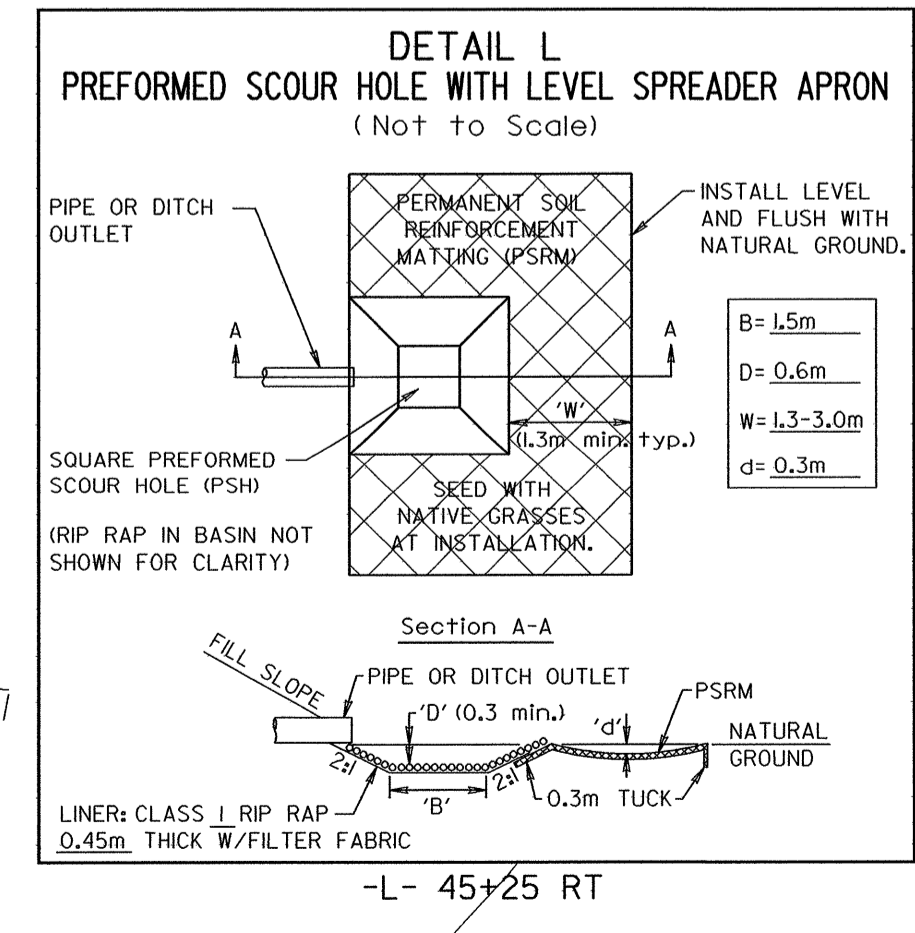
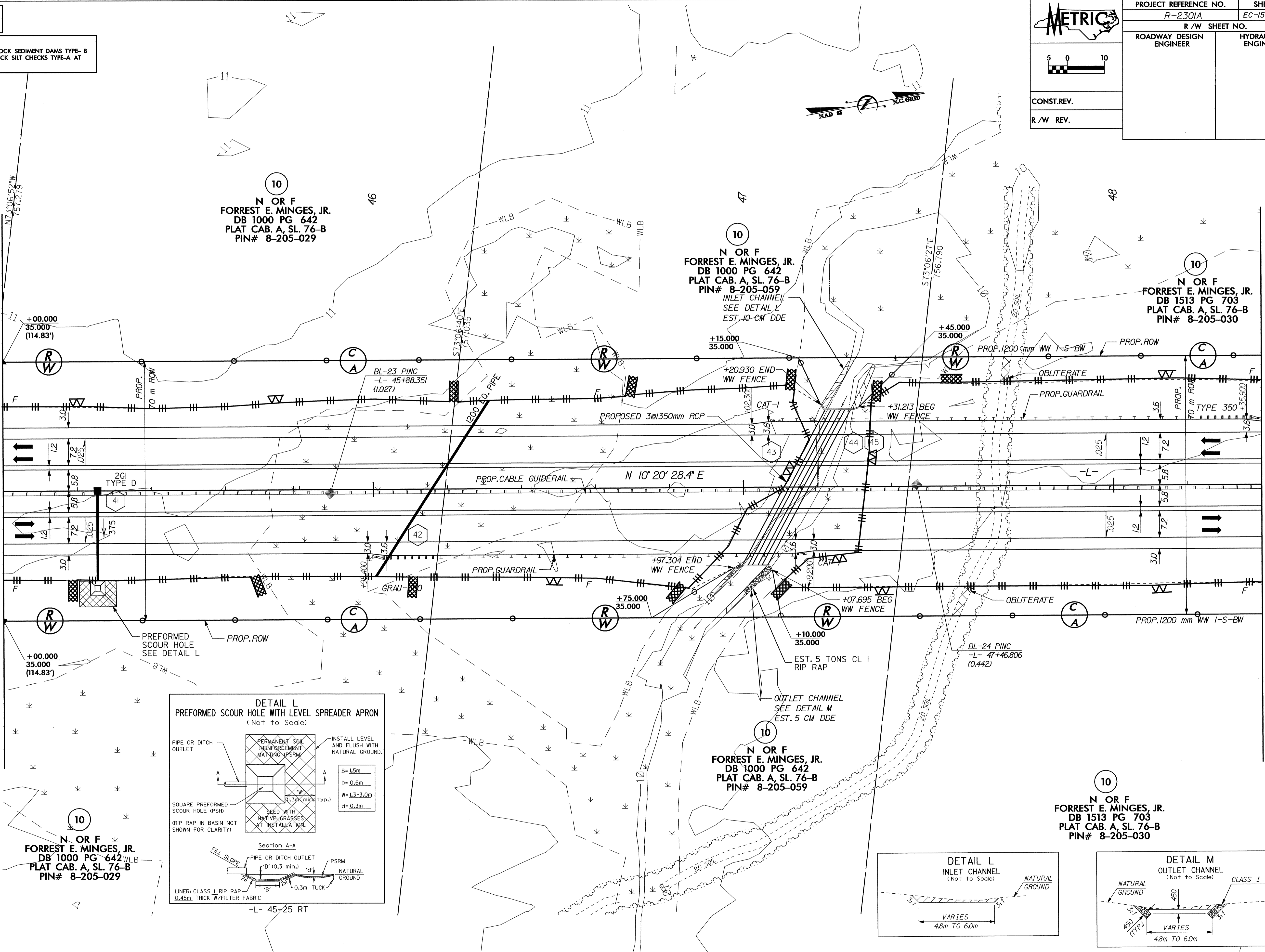
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B  
AND TEMPORARY ROCK SILT CHECKS TYPE-A AT  
DRAINAGE OUTLETS.



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-15/CONST.15
R/W SHEET NO. 15	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	

MATCH LINE STA. 45+00.000 SEE SHEET 14

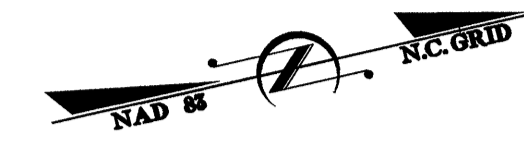
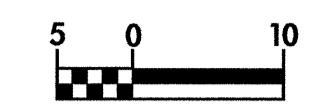
MATCH LINE STA. 48+40.000 SEE SHEET 16



8/17/93

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 16

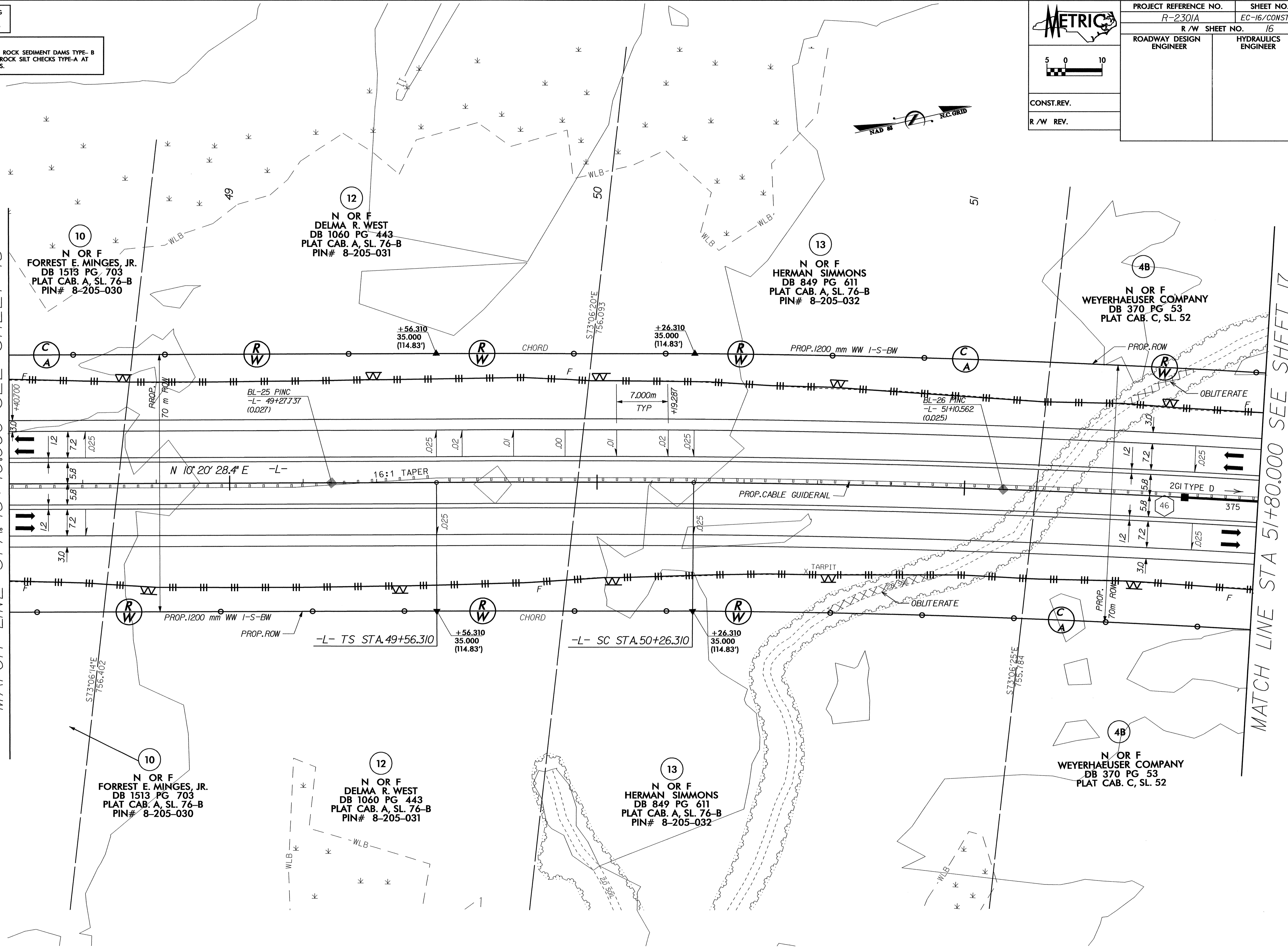
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B  
AND TEMPORARY ROCK SILT CHECKS TYPE-A AT  
DRAINAGE OUTLETS.



PROJECT REFERENCE NO.	SHEET NO.
R-2301A	EC-16/CONST.16
R/W SHEET NO.	16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	

MATCH LINE STA. 48+40.000 SEE SHEET 15

MATCH LINE STA 51+80.000 SEE SHEET 17



10  
N OR F  
FORREST E. MINGES, JR.  
DB 1513 PG 703  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-030

12  
N OR F  
DELMA R. WEST  
DB 1060 PG 443  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-031

13  
N OR F  
HERMAN SIMMONS  
DB 849 PG 611  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-032

4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

10  
N OR F  
FORREST E. MINGES, JR.  
DB 1513 PG 703  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-030

12  
N OR F  
DELMA R. WEST  
DB 1060 PG 443  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-031

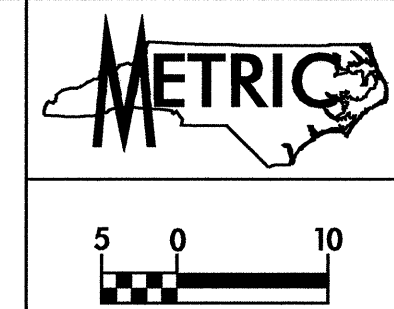
13  
N OR F  
HERMAN SIMMONS  
DB 849 PG 611  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-032

4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

B.17.95

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 17

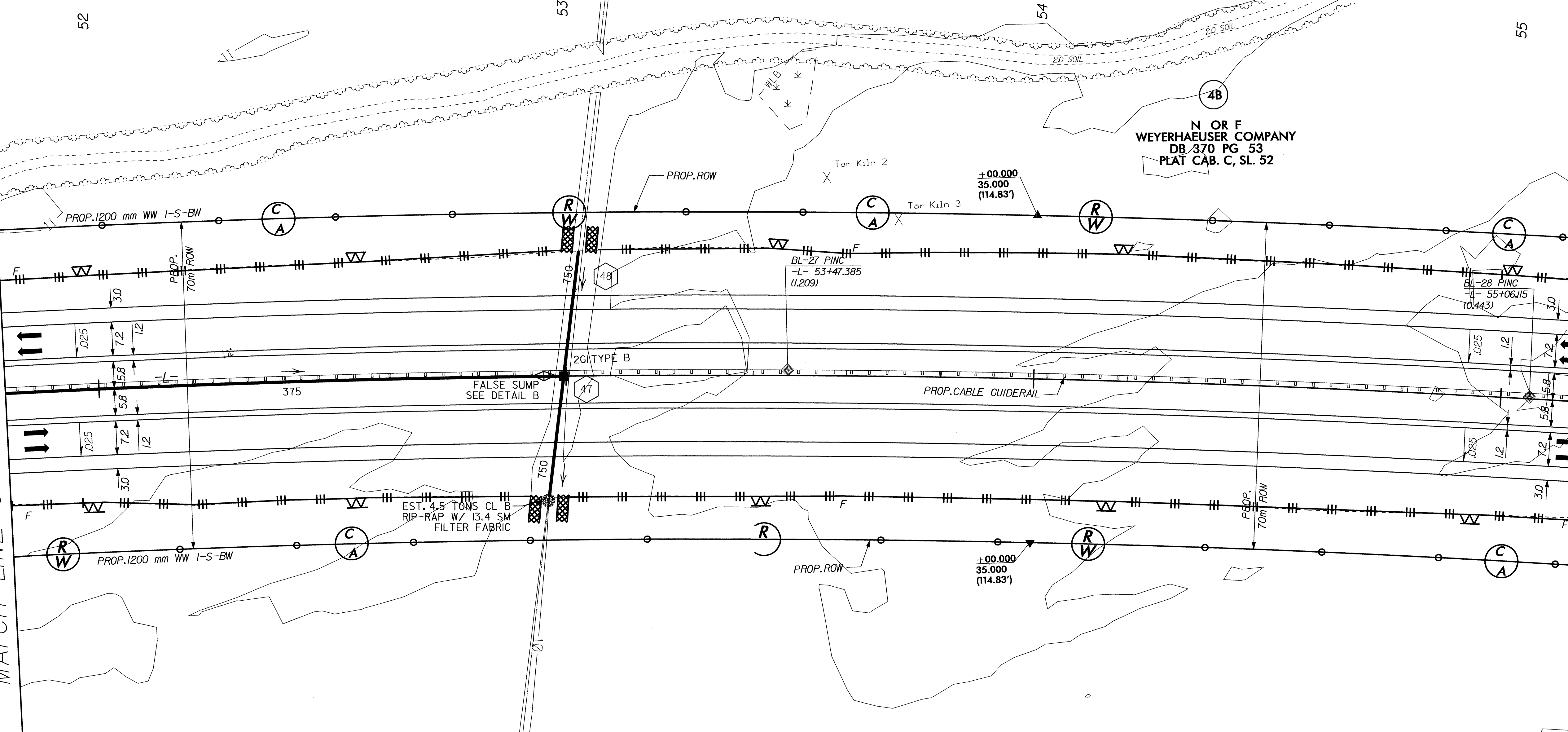
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- B  
AND TEMPORARY ROCK SILT CHECKS TYPE-A AT  
DRAINAGE OUTLETS.



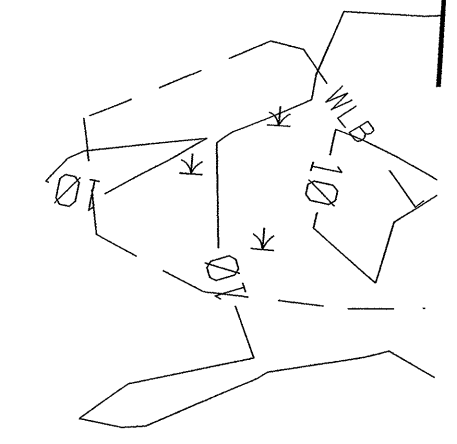
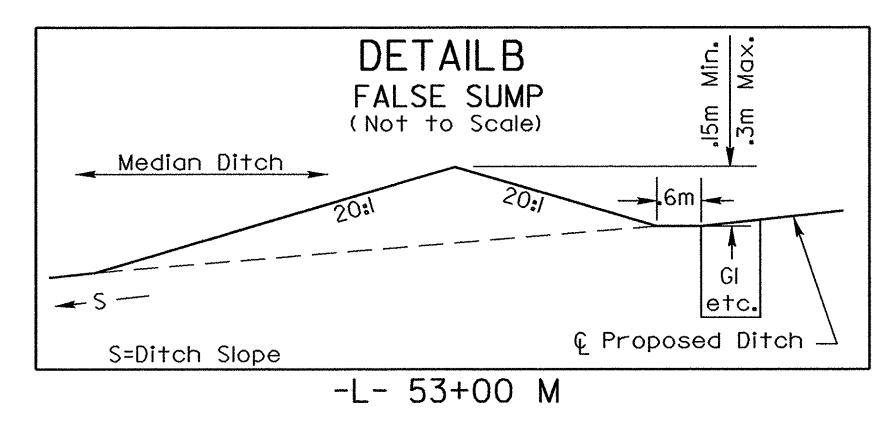
PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-17/CONST.17
R/W SHEET NO. 17	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

MATCH LINE STA 51+80.000 SEE SHEET 16

MATCH LINE STA 55+20.000 SEE SHEET 18



4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52





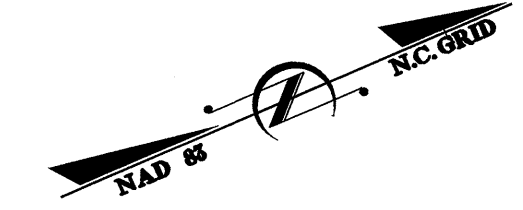
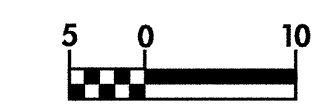
8/17/98

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 18



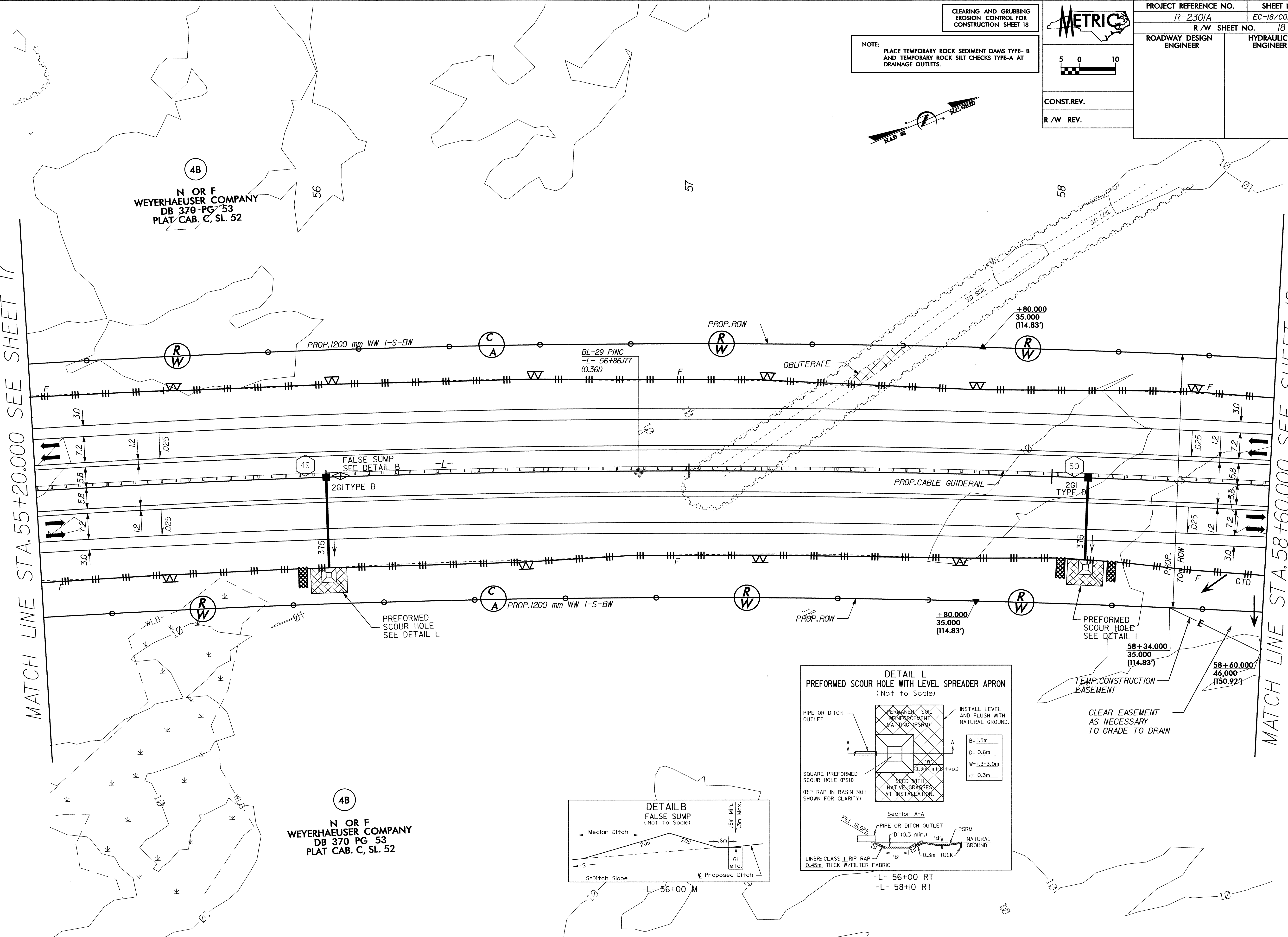
PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-18/CONST.18
R/W SHEET NO. 18	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

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



MATCH LINE STA. 55+20.000 SEE SHEET 17

MATCH LINE STA. 58+60.000 SEE SHEET 19



4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

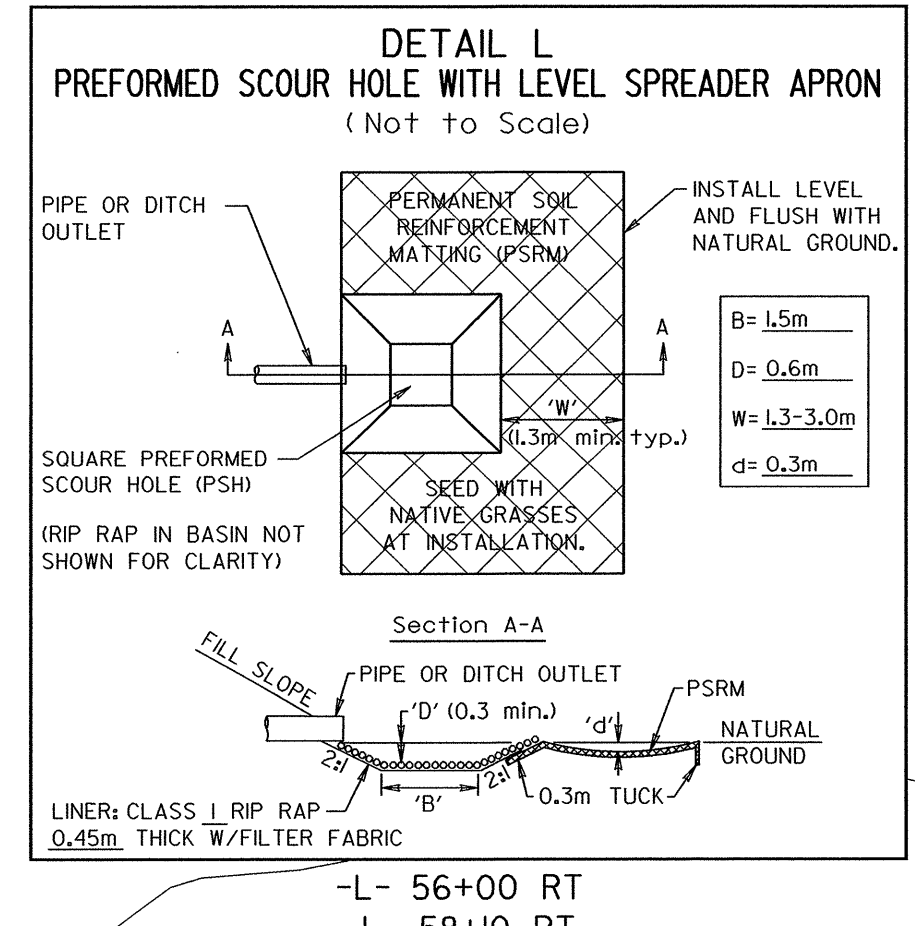
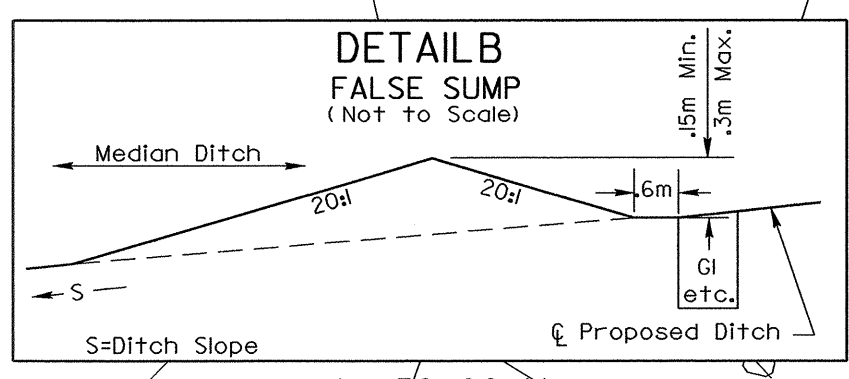
4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

49

50

58+34.000  
35.000  
(114.83')

58+60.000  
46.000  
(150.92')



CLEAR EASEMENT  
AS NECESSARY  
TO GRADE TO DRAIN

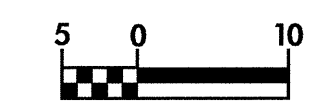
9/17/93

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 19



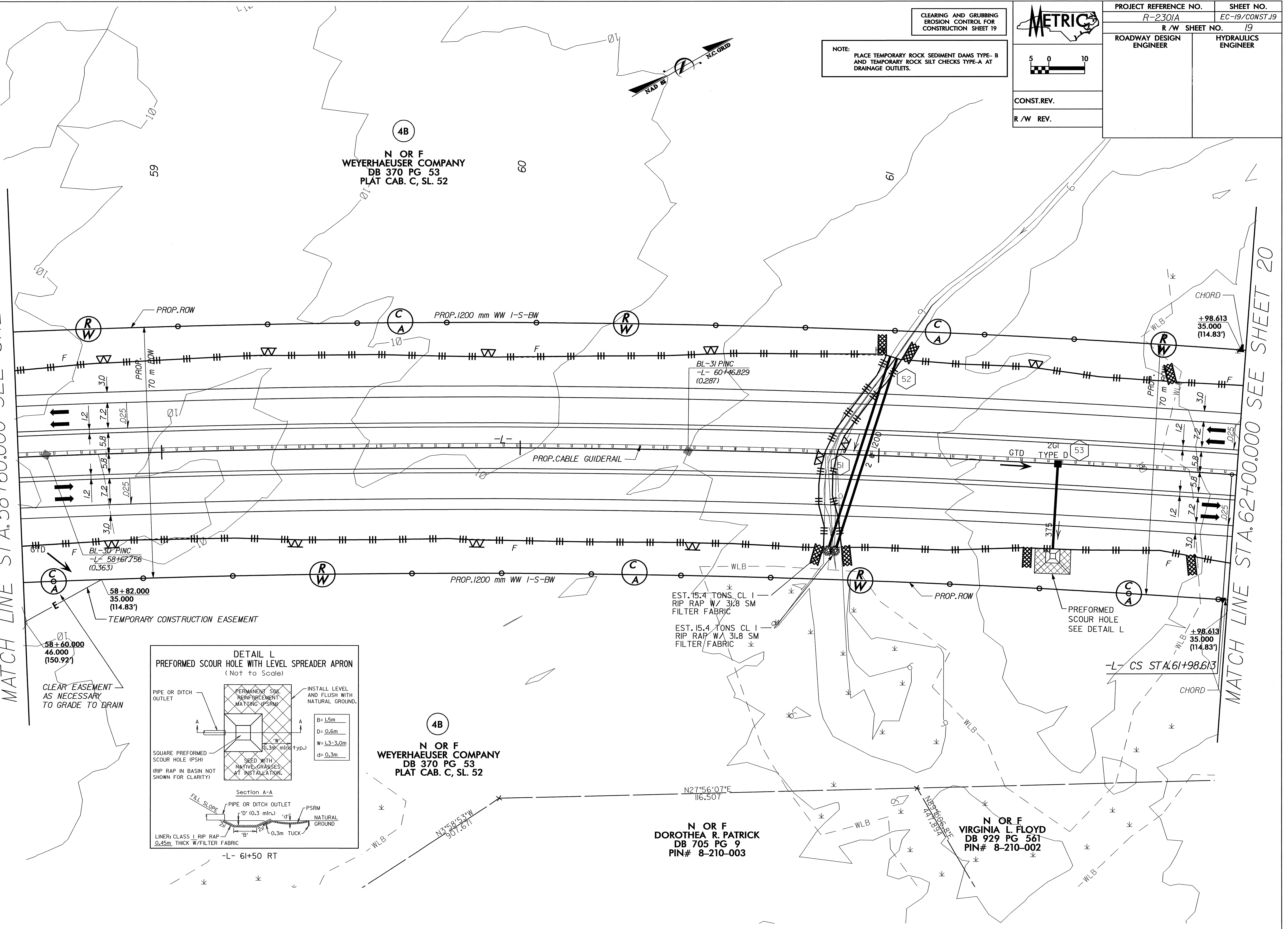
PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-19/CONST.19
R/W SHEET NO. 19	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	

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



MATCH LINE STA. 58+60.000 SEE SHEET 18

MATCH LINE STA. 62+00.000 SEE SHEET 20

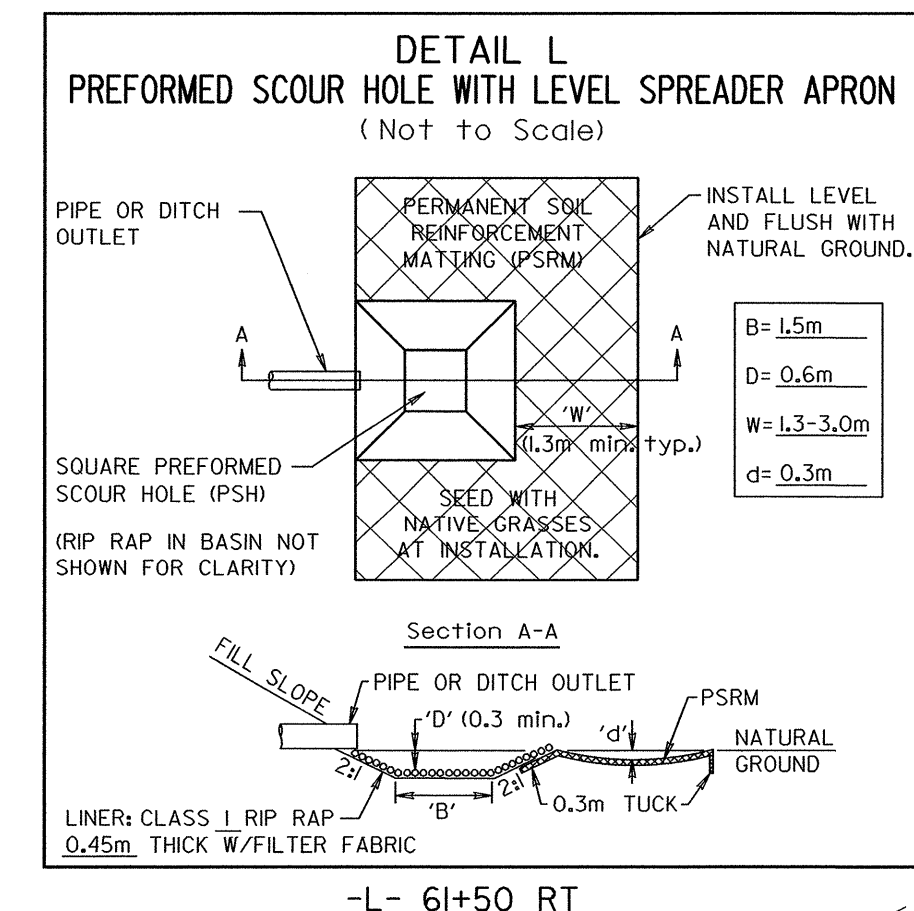


4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

N OR F  
DOROTHEA R. PATRICK  
DB 705 PG 9  
PIN# 8-210-003

N OR F  
VIRGINIA L. FLOYD  
DB 929 PG 561  
PIN# 8-210-002



CLEAR EASEMENT AS NECESSARY TO GRADE TO DRAIN

TEMPORARY CONSTRUCTION EASEMENT

EST. 15.4 TONS CL I RIP RAP W/ 3/8 SM FILTER FABRIC

EST. 15.4 TONS CL I RIP RAP W/ 3/8 SM FILTER FABRIC

PREFORMED SCOUR HOLE SEE DETAIL L

-L- CS STA. 61+98.613

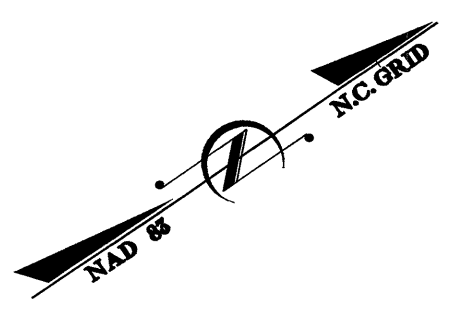
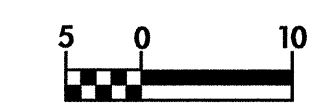
8/17/99

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 20



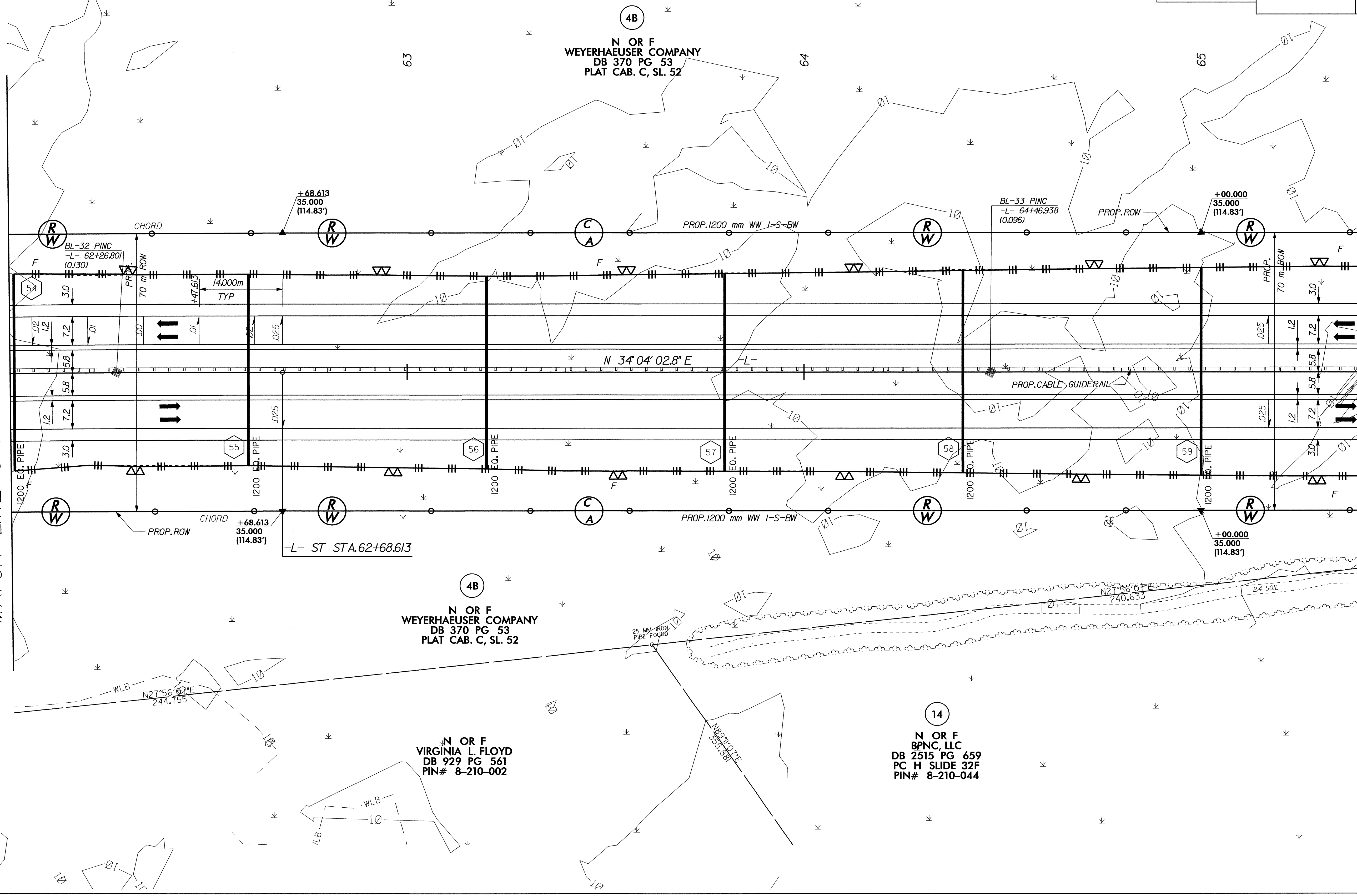
PROJECT REFERENCE NO.	SHEET NO.
R-2301A	EC-20/CONST.20
R/W SHEET NO.	20
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	

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



MATCH LINE STA. 62+00.000 SEE SHEET 19

MATCH LINE STA. 65+40.000 SEE SHEET 21



N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

N OR F  
VIRGINIA L. FLOYD  
DB 929 PG 561  
PIN# 8-210-002

N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044

8/17/25

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 21

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



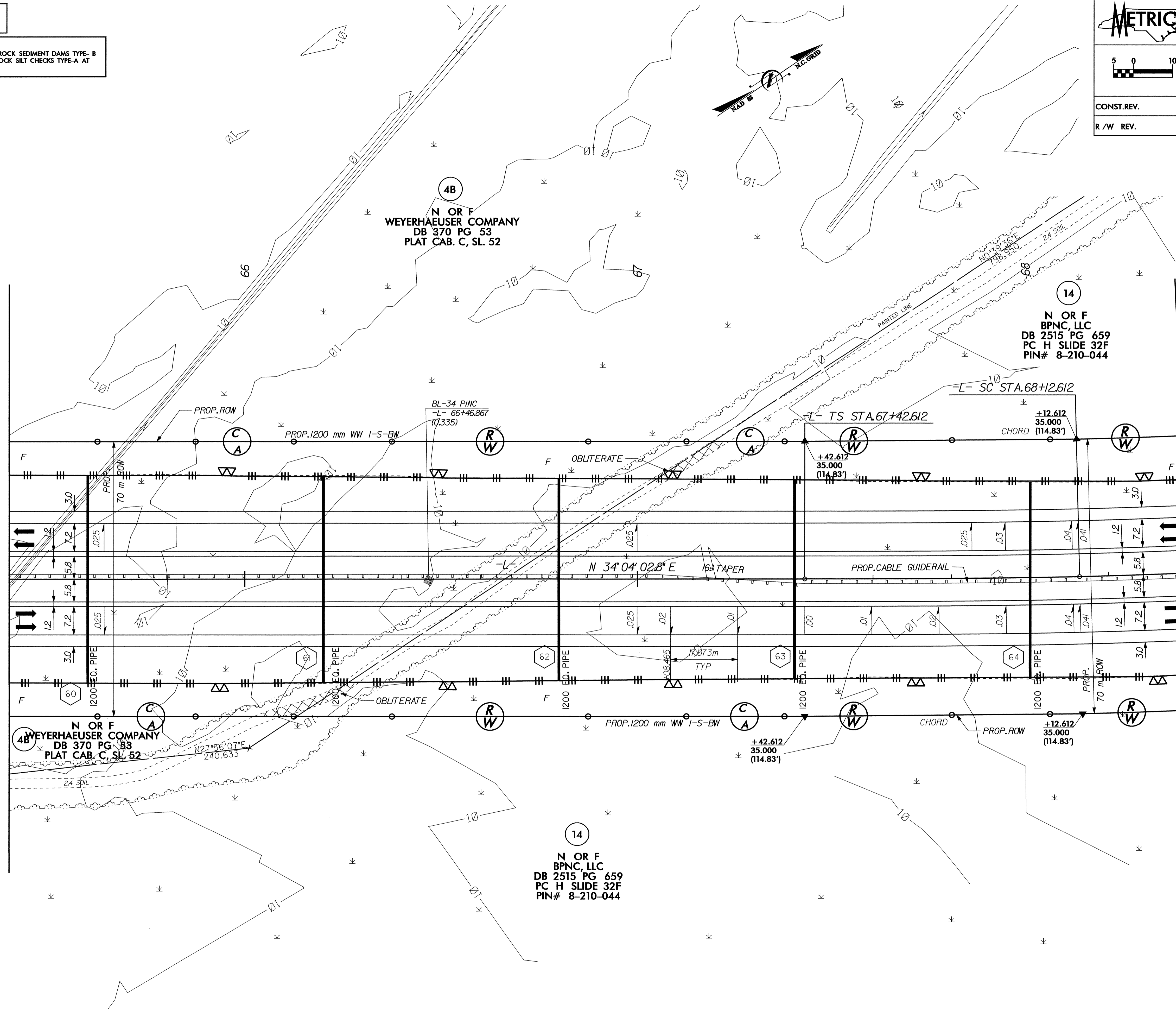
CONST. REV.

R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-21/CONST.21
R/W SHEET NO. 21	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

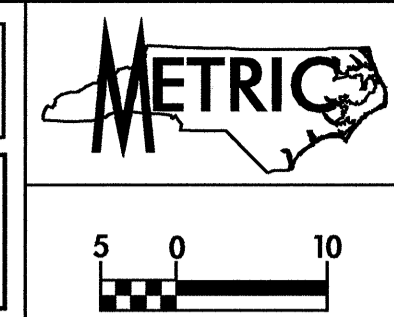
MATCH LINE STA. 65+40.000 SEE SHEET 20

MATCH LINE STA. 68+40.000 SEE SHEET 22



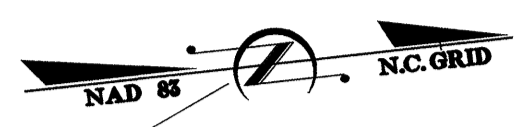
14  
N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 22



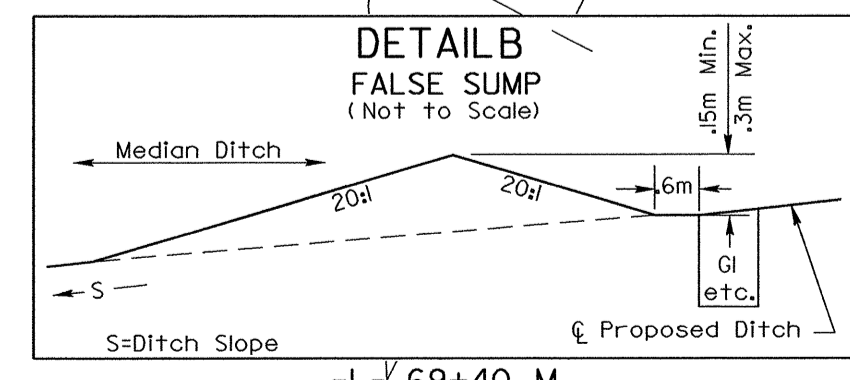
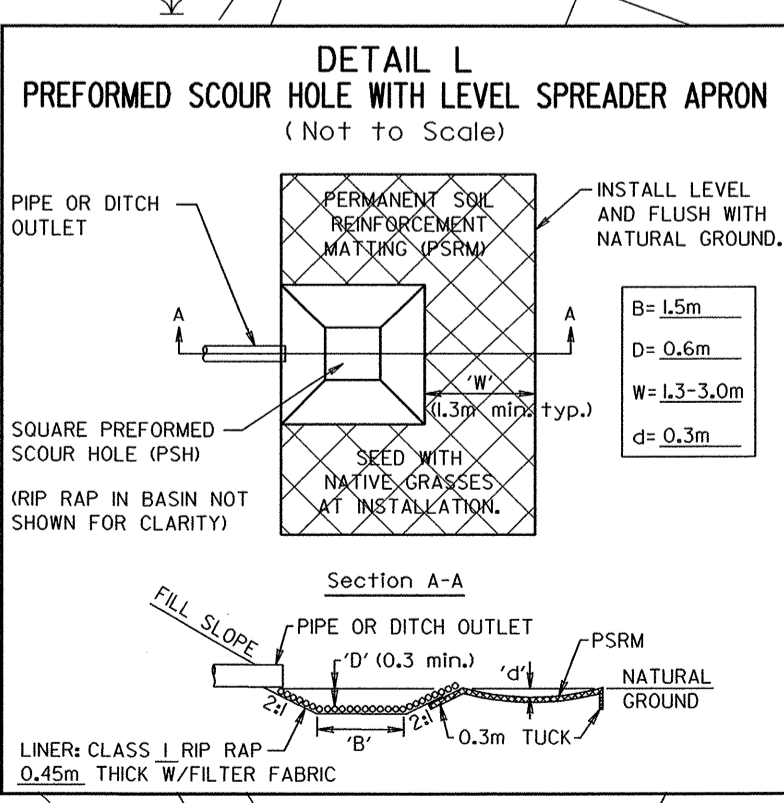
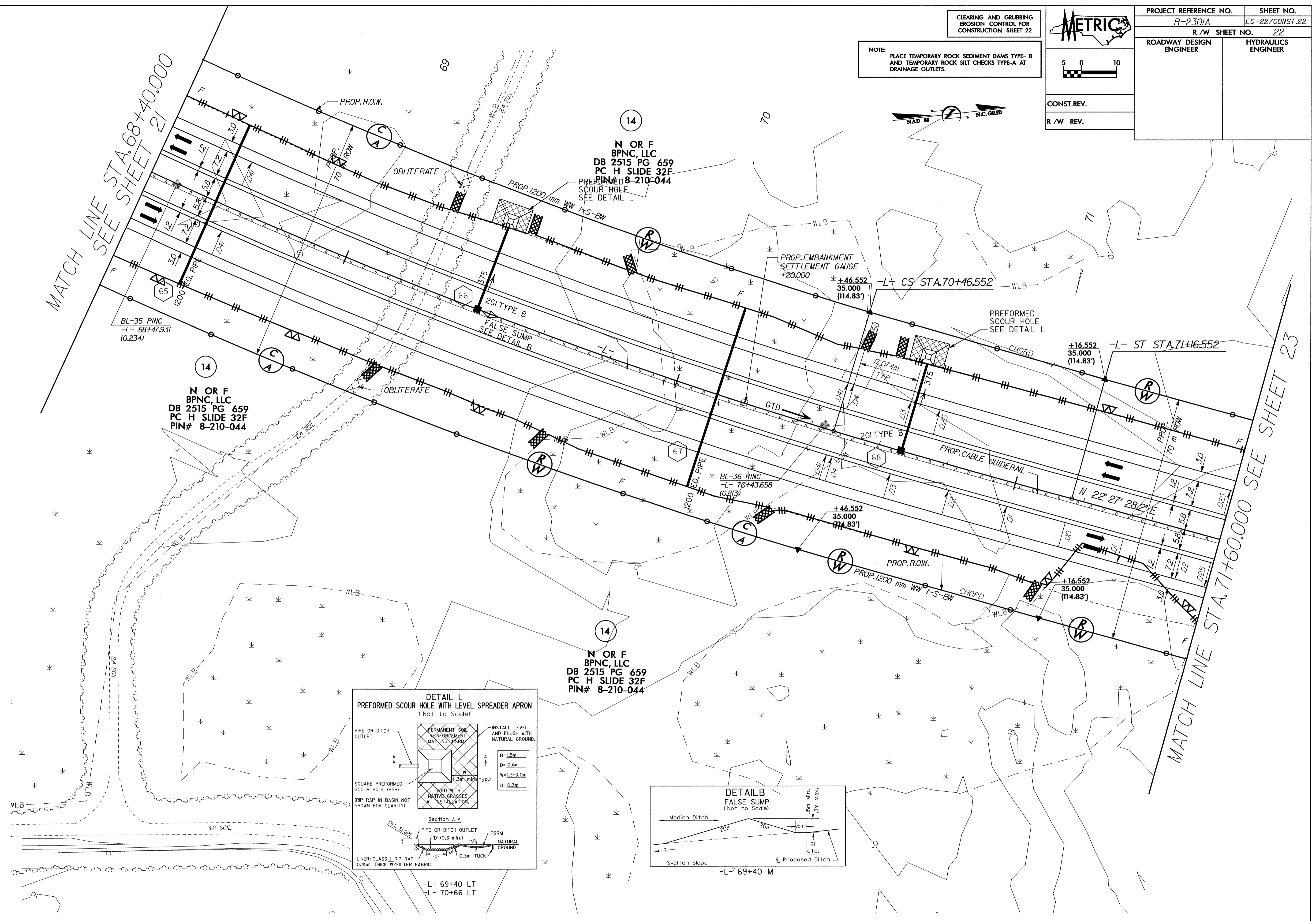
PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-22/CONST.22
R/W SHEET NO. 22	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

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



MATCH LINE SEE SHEET 21  
STA. 68+40.000

MATCH LINE STA. 71+60.000 SEE SHEET 23



-L- 69+40 LT  
-L- 70+66 LT

-L- 69+40 M

8/17/99

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 23

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

**METRIC**

5 0 10

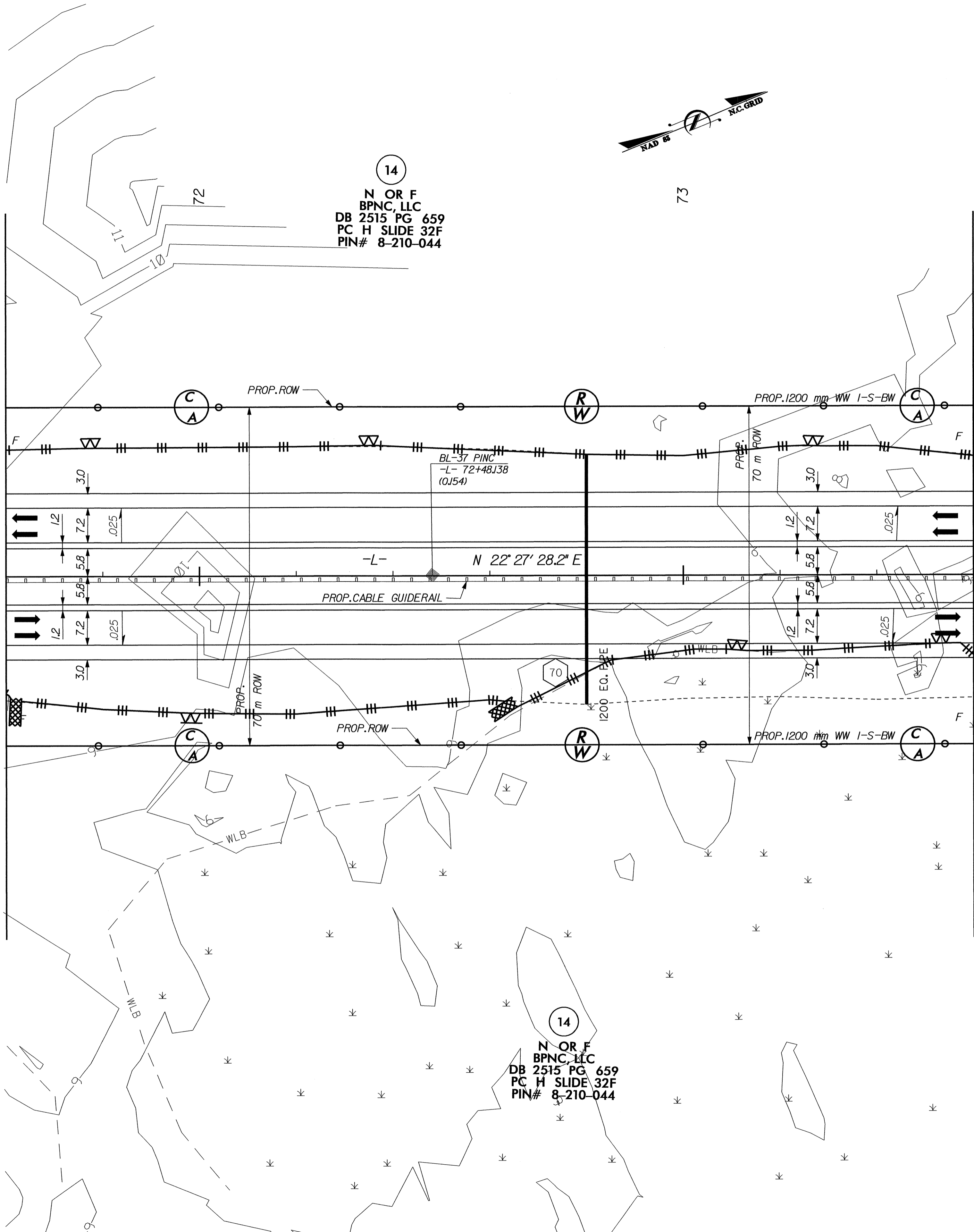
CONST. REV.

R/W REV.

PROJECT REFERENCE NO.	SHEET NO.
R-2301A	EC-23/CONST.23
R/W SHEET NO. 23	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

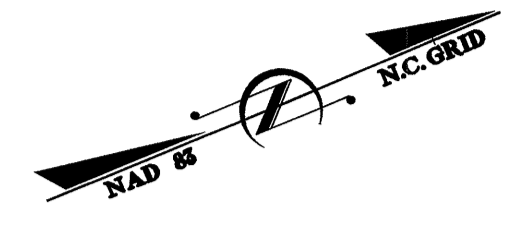
MATCH LINE STA. 71+60.000 SEE SHEET 22

MATCH LINE STA. 73+60.000 SEE SHEET 24



14  
N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044

14  
N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044



8/17/08

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 24

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

14  
N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044

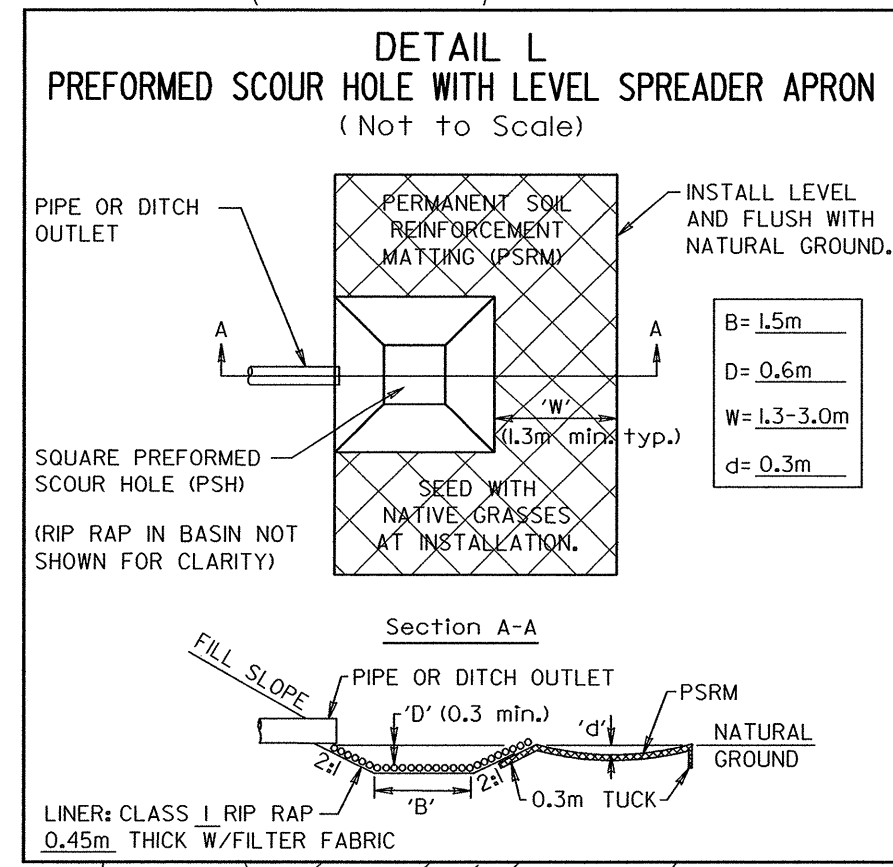
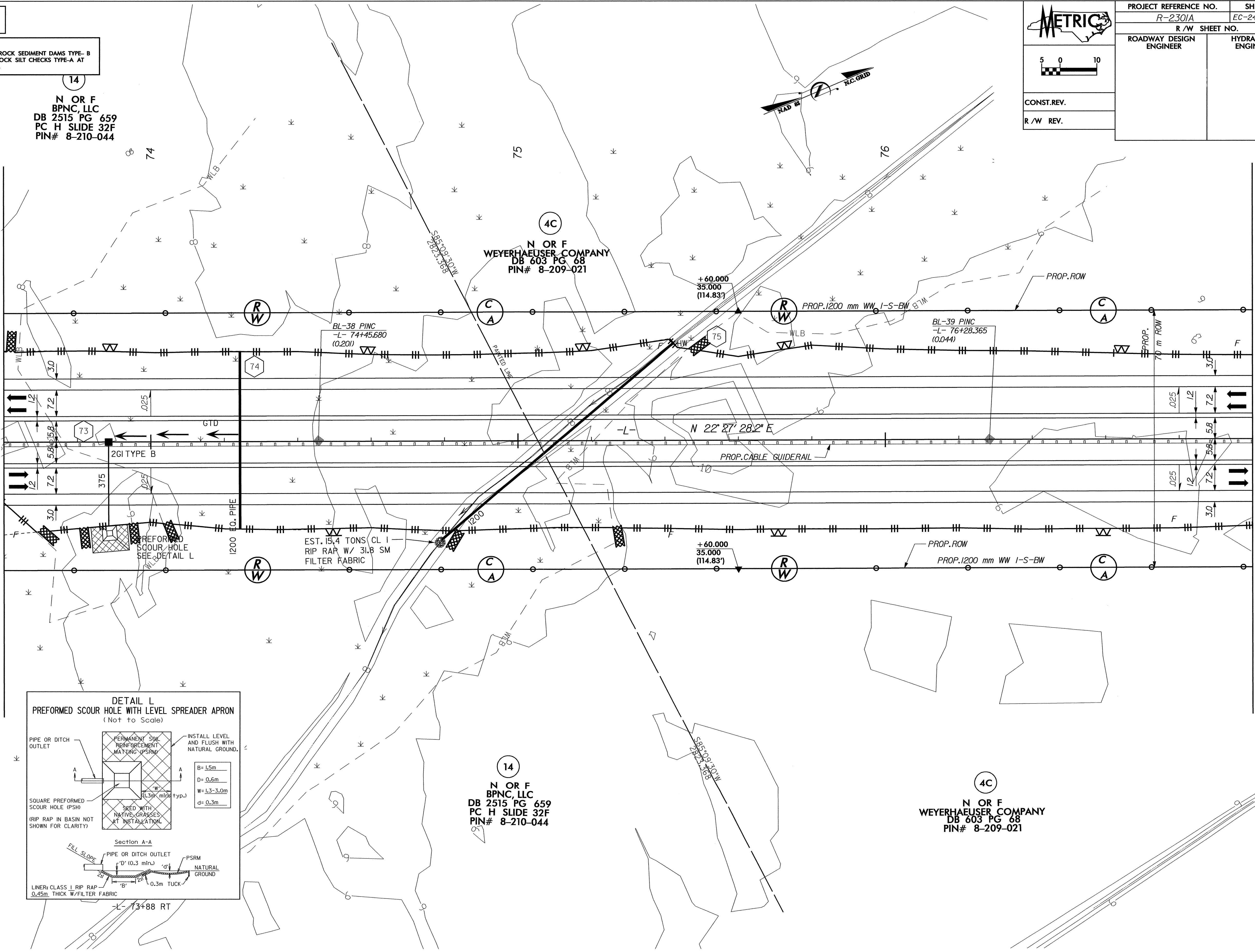
**METRIC**

CONST. REV.  
R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-24/CONST.24
R/W SHEET NO. 24	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCH LINE STA. 73+60.000 SEE SHEET 23

MATCH LINE STA. 77+00.000 SEE SHEET 25



4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

14  
N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044

4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

8/17/99

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 25

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

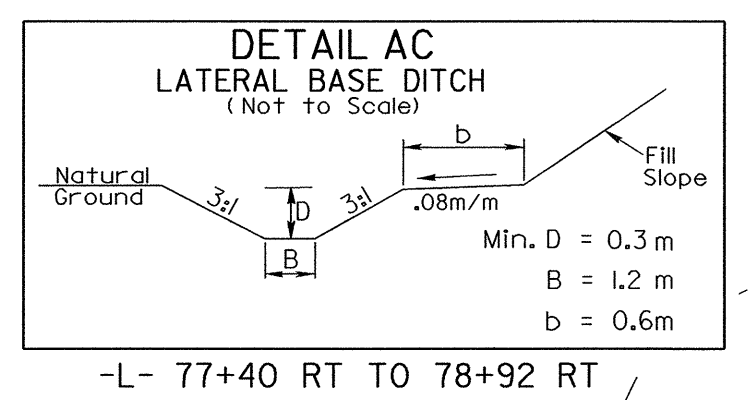
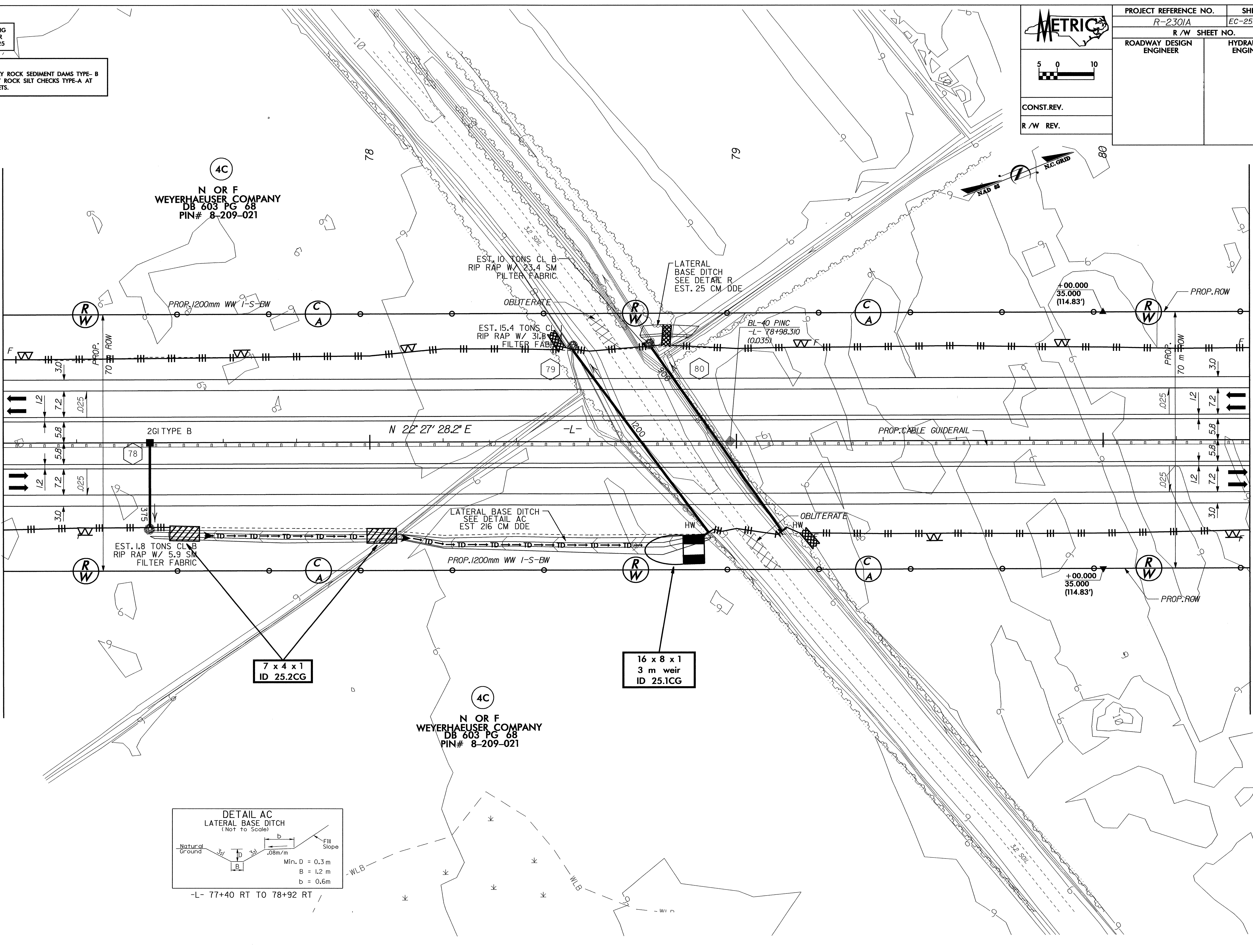
**METRIC**

CONST. REV.  
R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-25/CONST.25
R/W SHEET NO. 25	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCH LINE STA. 77+00.000 SEE SHEET 24

MATCH LINE STA. 80+40.000 SEE SHEET 26



N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

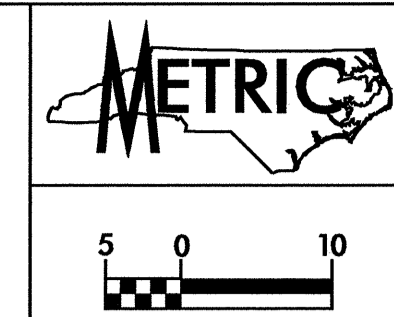
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021



8/17/25

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 26

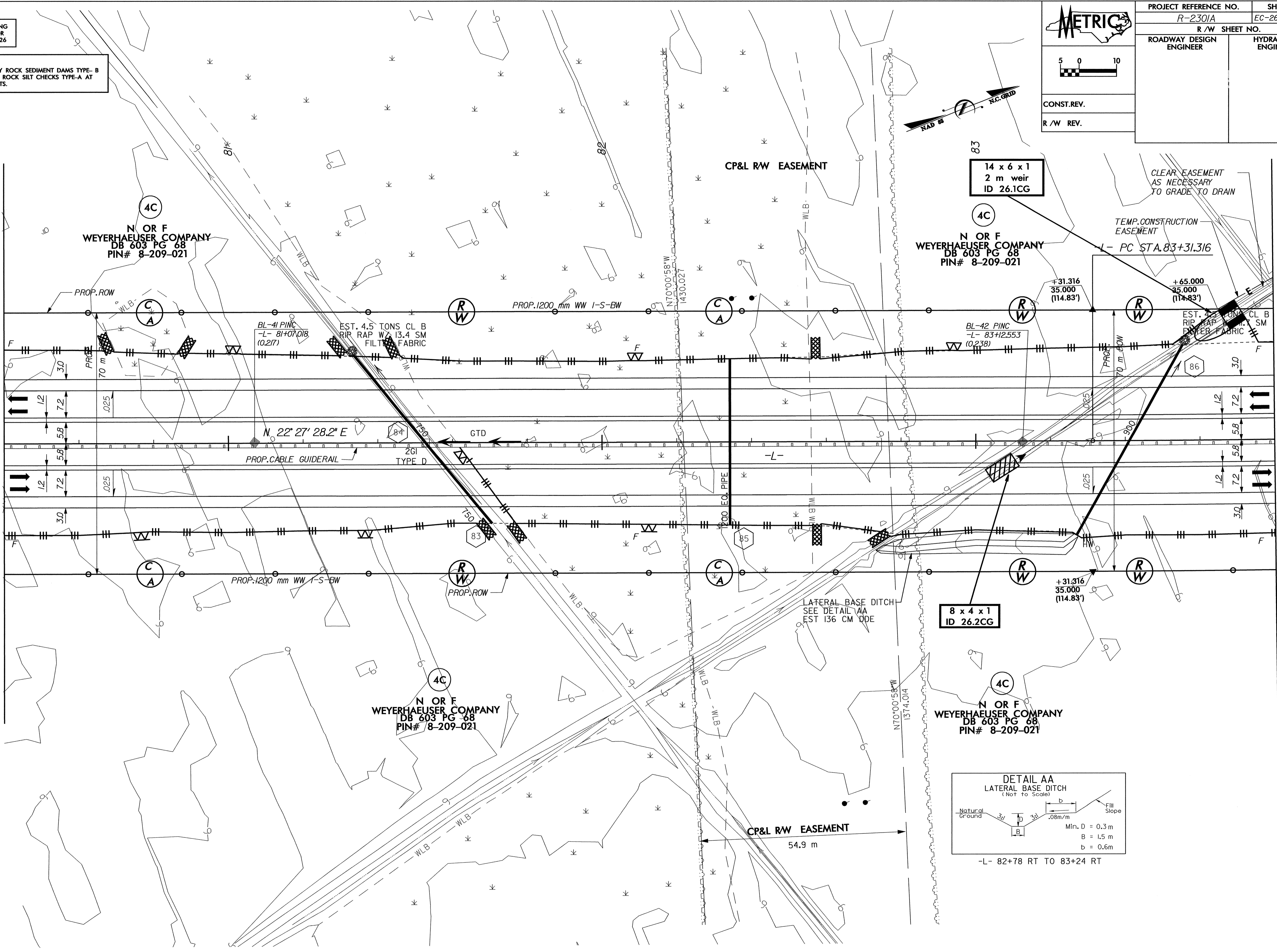
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B  
AND TEMPORARY ROCK SILT CHECKS TYPE-A AT  
DRAINAGE OUTLETS.



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-26/CONST.26
R/W SHEET NO. 26	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

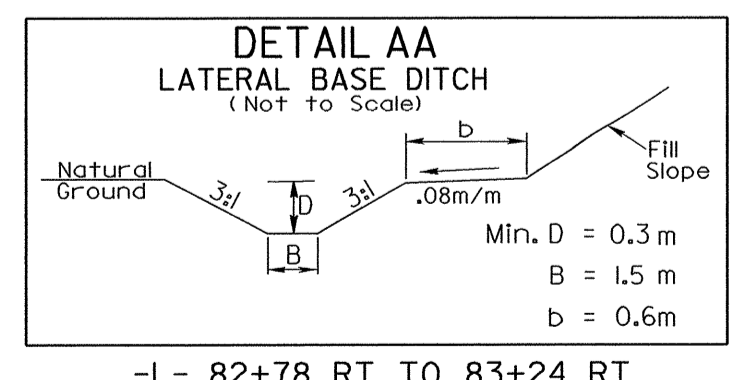
MATCH LINE STA. 80+40.000 SEE SHEET 25

MATCH LINE STA. 83+80.000 SEE SHEET 27



14 x 6 x 1  
2 m weir  
ID 26.1CG

8 x 4 x 1  
ID 26.2CG



N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

LATERAL BASE DITCH  
SEE DETAIL AA  
EST 136 CM ODE

CP&L RW EASEMENT  
54.9 m

N 22° 27' 28.2" E  
PROP. CABLE GUIDERAIL  
2GI  
TYPE D

EST. 4.5 TONS CL B  
RIP RAP W/ 13.4 SM  
FILTER FABRIC

CLEAR EASEMENT  
AS NECESSARY  
TO GRADE TO DRAIN

TEMP. CONSTRUCTION  
EASEMENT

L- PC STA. 83+31.316

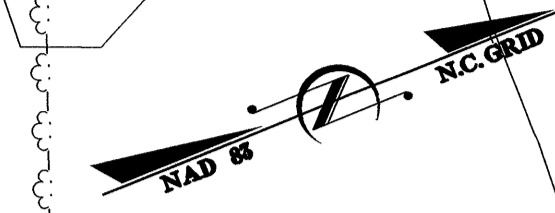
+31.316  
35.000  
(114.83')

+65.000  
35.000  
(114.83')

+31.316  
35.000  
(114.83')

N 70° 00' 58" W  
137.4.014

N 70° 00' 58" W  
1430.021






8/17/98

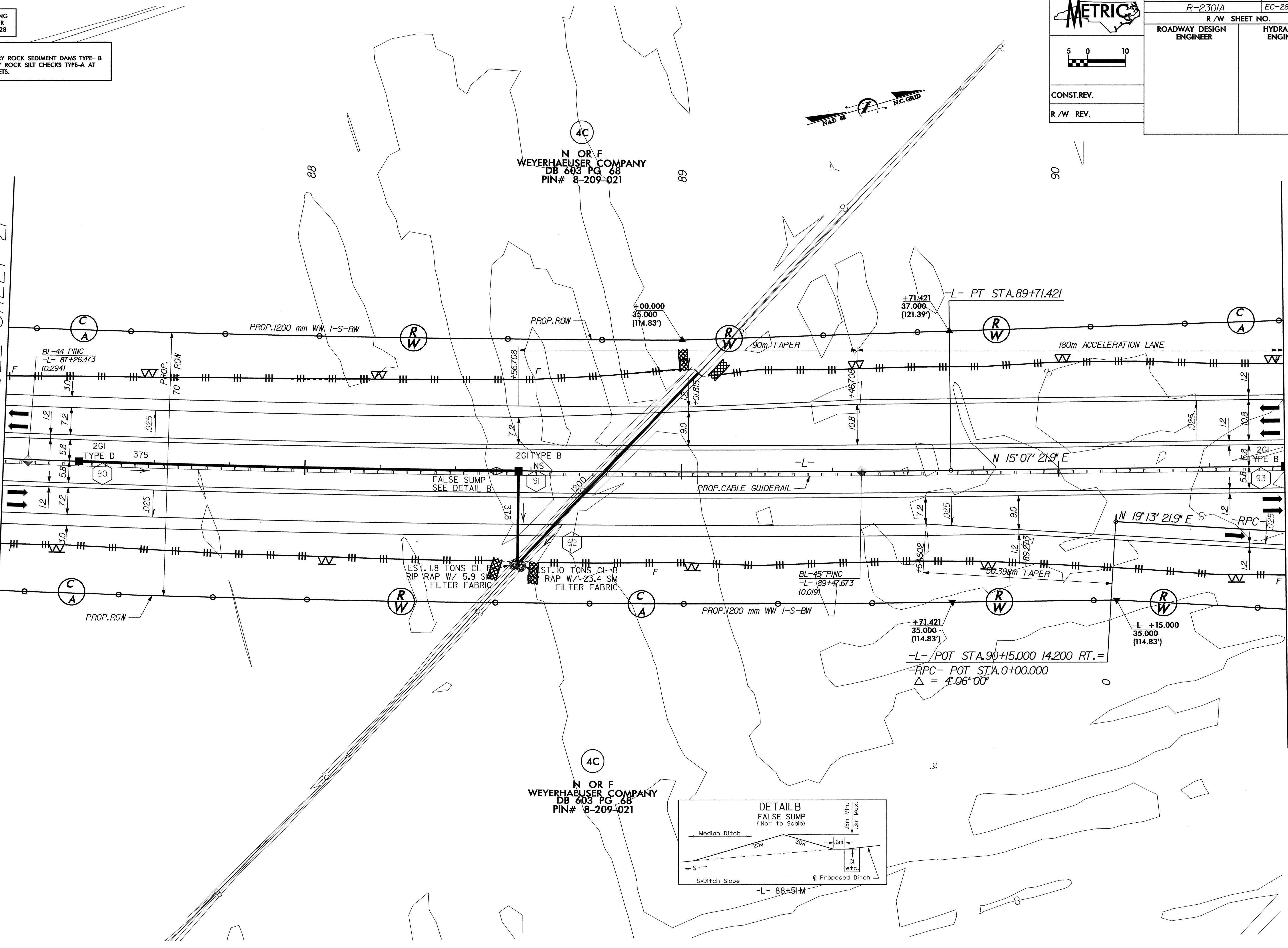
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 28

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

 5 0 10 CONST. REV. R/W REV.	PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-28/CONST.28
	ROADWAY DESIGN ENGINEER	R/W SHEET NO. 28
		HYDRAULICS ENGINEER

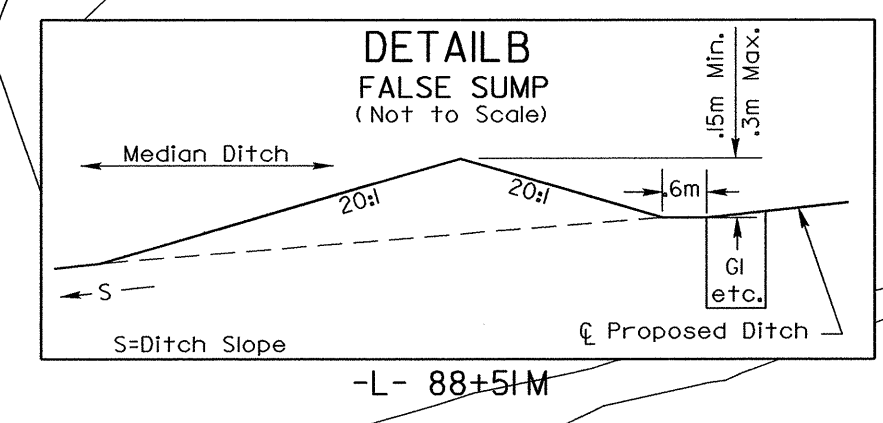
MATCH LINE STA. 87+20.000 SEE SHEET 27

MATCH LINE STA. 90+60.000 SEE SHEET 29



N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021



+71.421  
35.000  
(114.83')  
-L- PT STA. 89+71.421  
  
+71.421  
35.000  
(114.83')  
-L- /POT STA. 90+15.000 14.200 RT. =  
-RPC- POT STA. 0+00.000  
Δ = 4° 06' 00"

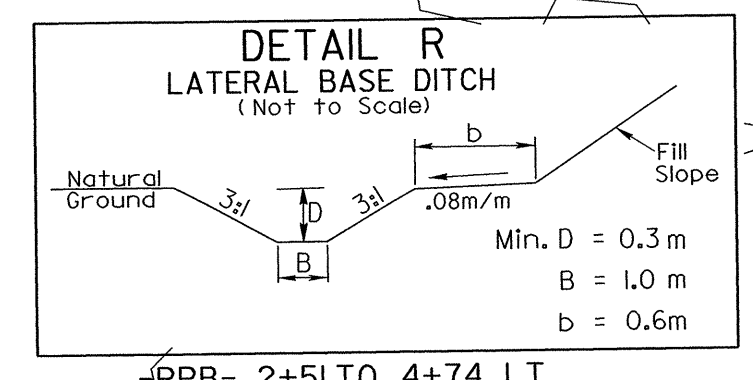
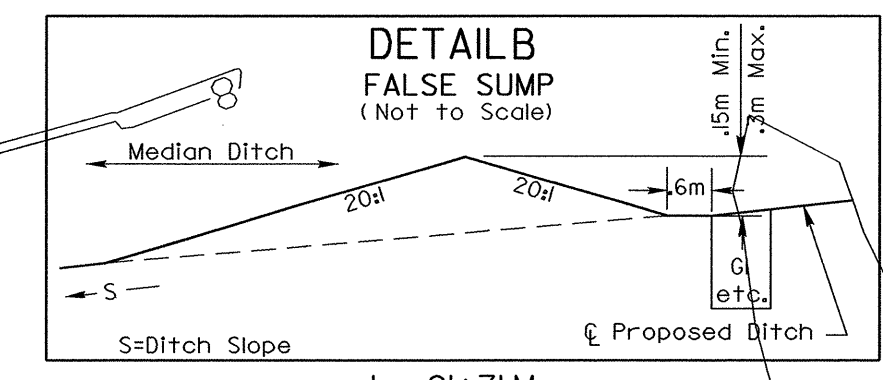
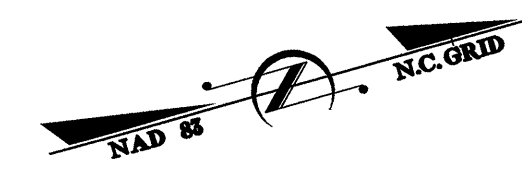
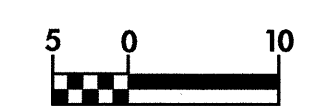
8/17/23

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 29



PROJECT REFERENCE NO. R-230/A	SHEET NO. EC-29/CONST.29
R/W SHEET NO. 29	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

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



N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

MATCH LINE STA. 90+60.000 SEE SHEET 28

-L- POT STA. 91+26.708 14.200 LT. =  
-RPB- TS STA. 0+00.000

-RPB- SC STA. 0+60.000

11 x 5 x 1  
ID 29.2F

LATERAL BASE DITCH  
SEE DETAIL R  
EST 391 CM DDE

2+40.000  
20.000  
(65.62')

-RPB- PCC STA. 1+56.390

+56.390  
20.000  
(65.62')

+80.000  
41.000  
(134.51')

BL-46 PINC  
-L- 91+46.259  
(0160)

180m ACCELERATION LANE

FALSE SUMP  
SEE DETAIL B

N 15° 07' 21.9" E

N 19° 13' 21.9" E

EST. 7.3 TONS CL B  
RIP RAP W/ 17.6 SM  
FILTER FABRIC

-RPC- +66.821  
20.000  
(65.62')

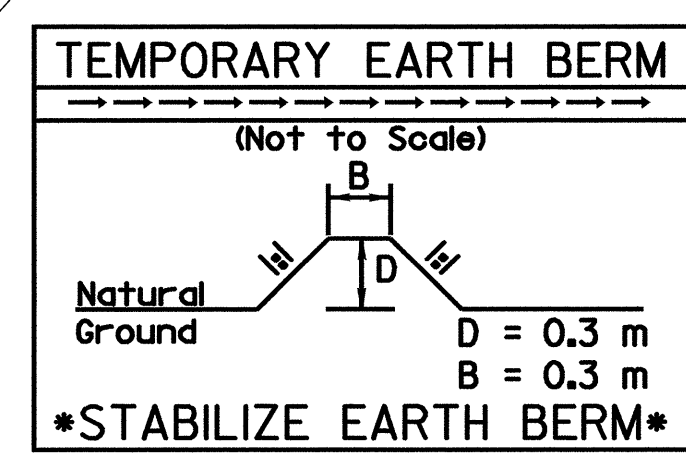
-RPC- SC STA. 2+26.821

-RPC- +26.821  
20.000  
(65.62')

EST. 7.3 TONS CL B  
RIP RAP W/ 17.6 SM  
FILTER FABRIC

N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

19 x 7 x 1  
3 m weir  
ID 29.1F



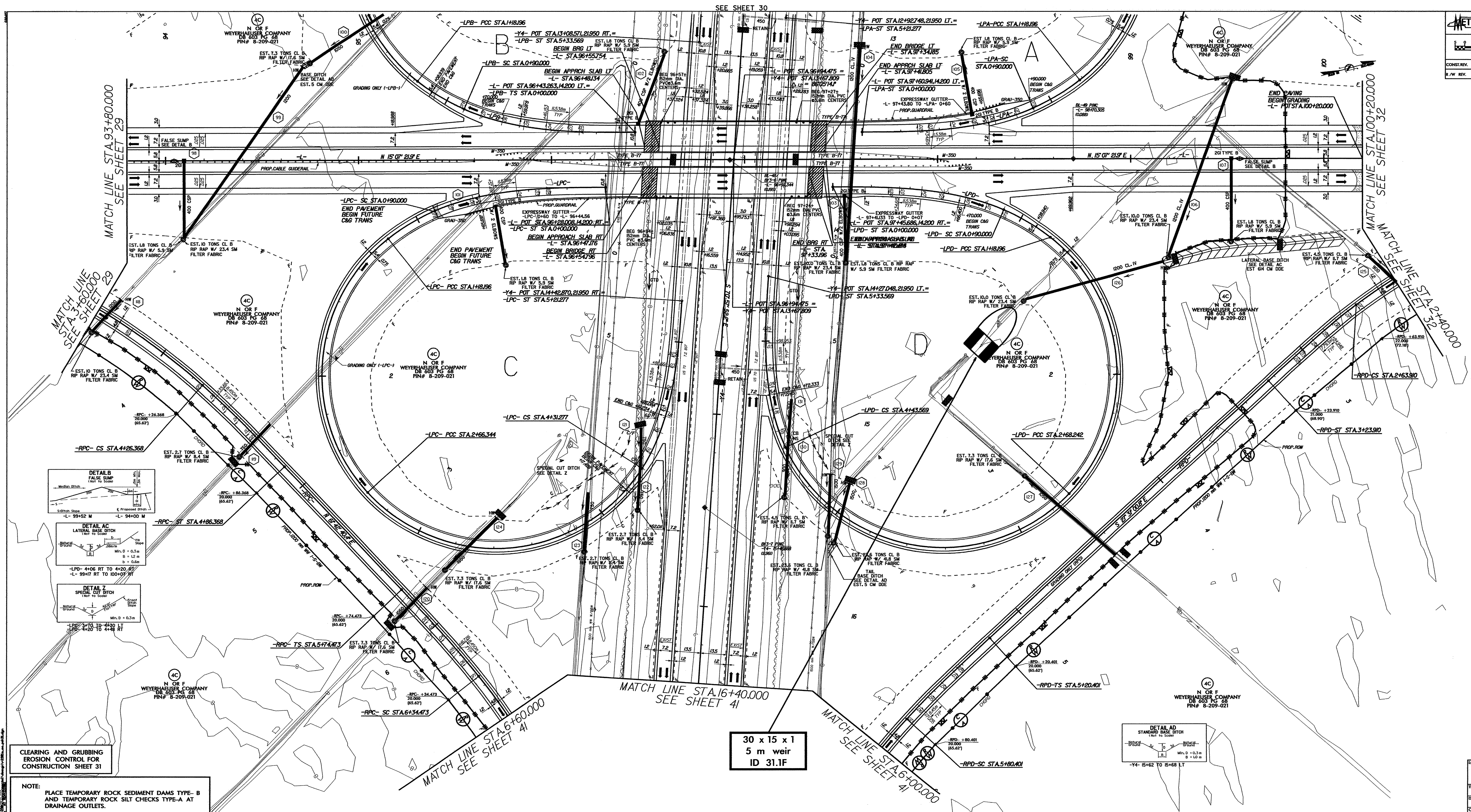
MATCH LINE  
STA. 2+60.000  
SEE SHEET 29

MATCH LINE STA. 93+80.000  
SEE SHEETS 30 & 31

MATCH LINE  
STA. 3+60.000  
SEE SHEET 31

28 x 14 x 1  
5 m weir  
ID 29.3F  
(See Infiltration  
Basin Detail)



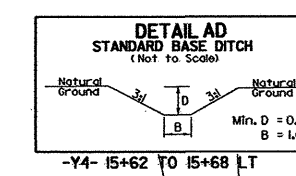


	PROJECT REFERENCE NO.	SHEET NO.
	R-250A	EC-37/0057.31
	L.W. SHEET NO.	37
	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONSTR. REV.		
R/W REV.		

CLEARING AND GRUBBING  
 EROSION CONTROL FOR  
 CONSTRUCTION SHEET 31

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

30 x 15 x 1  
 5 m weir  
 ID 31.1F

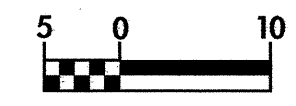


LOCATION: US 11 NEW BERN BYPASS AT US 10	
RF NO.: R-250A	COUNTY: CRAWEN
DESIGNED BY: RPL/RLR/ET	DATE: OCT 2000
CHECKED BY: J.KOONZ	DATE: FEB 2008

8/17/23



PROJECT REFERENCE NO.	SHEET NO.
R-2301A	EC-32/CONST.32
R/W SHEET NO.	32
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER




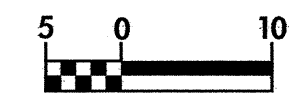
CONST.REV.

R/W REV.

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8/17/08

	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-33/CONST.33
	R/W	SHEET NO. 33
	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.		
R/W REV.		



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8/17/99

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 35

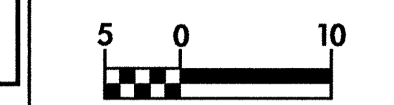


PROJECT REFERENCE NO.  
R-2301A

SHEET NO.  
EC-34/CONST.35

R/W SHEET NO. 35,36

ROADWAY DESIGN ENGINEER  
HYDRAULICS ENGINEER



CONST. REV.  
R/W REV.

NOTE: INSTALL DRIVEWAY CROSSLINE PIPES DURING CLEARING & GRUBBING TO FACILITATE THE INSTALLATION OF THE TEMPORARY DIVERSION.

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

**CURVE DATA YILT**  
PI Sta 10+77.449 Δ = 4° 20' 07.0" (LT)  
L = 136.197 T = 68.131 R = 1,800.000 SE = 2.0%  
PI Sta 12+55.119 Δ = 4° 11' 04.9" (RT)  
L = 219.110 T = 109.604 R = 3,000.000 SE = NC (2.0%)

16  
N OR F  
EDNA W. & JANIE MAE SHACK  
DB 207 PG 833  
MAP BK 1, PG 153  
PIN# 5438-73-8203

18  
N OR F  
JAMES E. MALLARD  
DB 190 PG 357  
PLAT CAB. 3, SL. 35  
PIN# 5438-75-6672

22  
N OR F  
RUTH I. COX  
DB 239 PG 6  
PLAT CAB. A, SL. 135  
PIN# 5438-94-1166

19  
N OR F  
RUTH C. YOST  
DB 181 PG 467  
PIN# 5438-93-6047

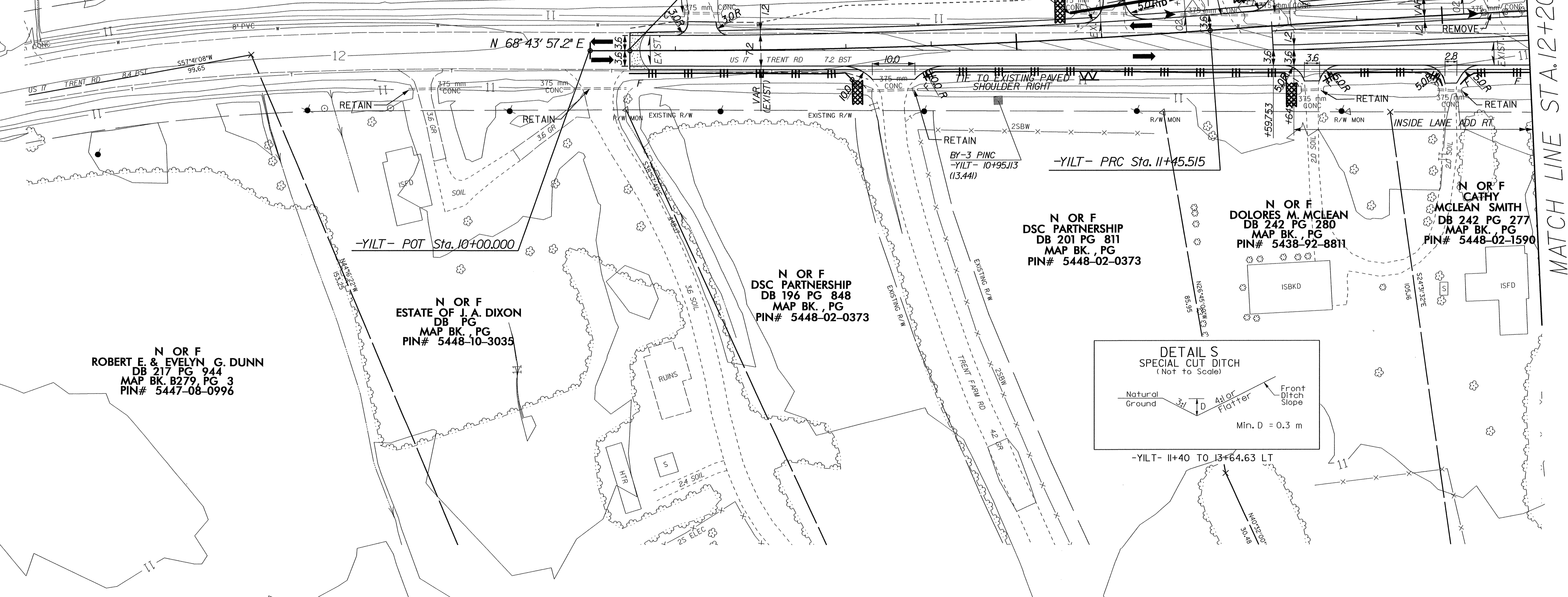
20  
N OR F  
LUTHER J. COX, III.  
DB 181 PG 428  
PIN# 5438-93-8157

17  
N OR F  
MARGARET SHACK  
THOMPSON  
DB 207 PG 835  
PIN# 5438-92-1844  
PLAT CAB., SL.

-YILT- PC Sta. 10+09.318  
BEGIN CONSTRUCTION

CL. B RIP RAP  
EST. 2.7 TONS  
EST. 8.4 SM  
FILTER FABRIC

SPECIAL CUT  
DITCH  
SEE DETAIL S



N OR F  
ROBERT E. & EVELYN G. DUNN  
DB 217 PG 944  
MAP BK B279, PG 3  
PIN# 5447-08-0996

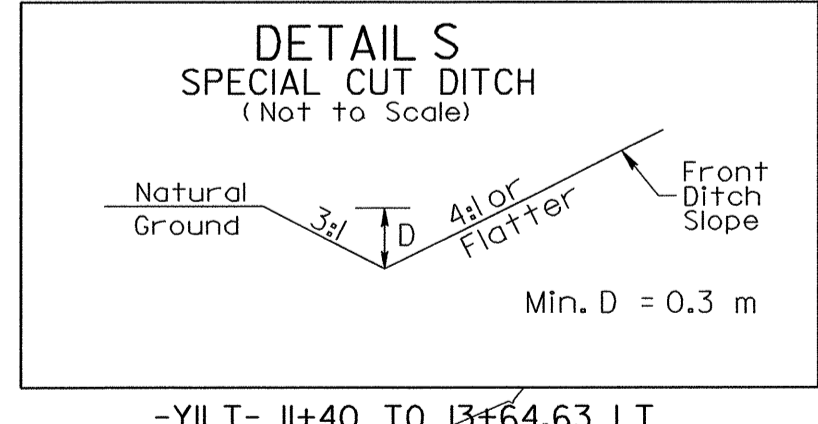
N OR F  
ESTATE OF J. A. DIXON  
DB PG  
MAP BK, PG  
PIN# 5448-10-3035

N OR F  
DSC PARTNERSHIP  
DB 196 PG 848  
MAP BK, PG  
PIN# 5448-02-0373

N OR F  
DSC PARTNERSHIP  
DB 201 PG 811  
MAP BK, PG  
PIN# 5448-02-0373

N OR F  
DOLORES M. MCLEAN  
DB 242 PG 280  
MAP BK, PG  
PIN# 5438-92-8811

N OR F  
CATHY  
MCLEAN SMITH  
DB 242 PG 277  
MAP BK, PG  
PIN# 5448-02-1590



MATCH LINE STA. 12+20.000 SEE SHEET 36

8/17/24

MONOLITHIC CONCRETE ISLAND

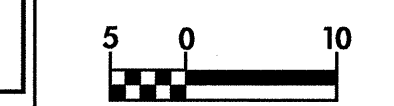
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 36



PROJECT REFERENCE NO.	SHEET NO.
R-2301A	EC-35/CONST.36
R/W SHEET NO.	4,36
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: INSTALL DRIVEWAY CROSSLINE PIPES DURING CLEARING & GRUBBING TO FACILITATE THE INSTALLATION OF THE TEMPORARY DIVERSION.

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

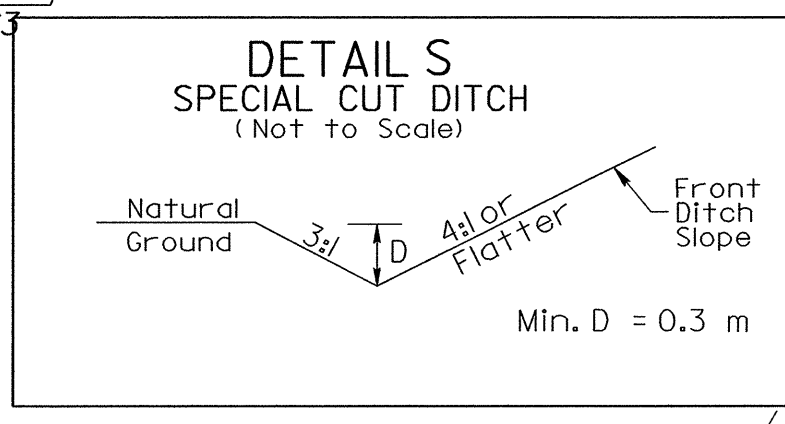
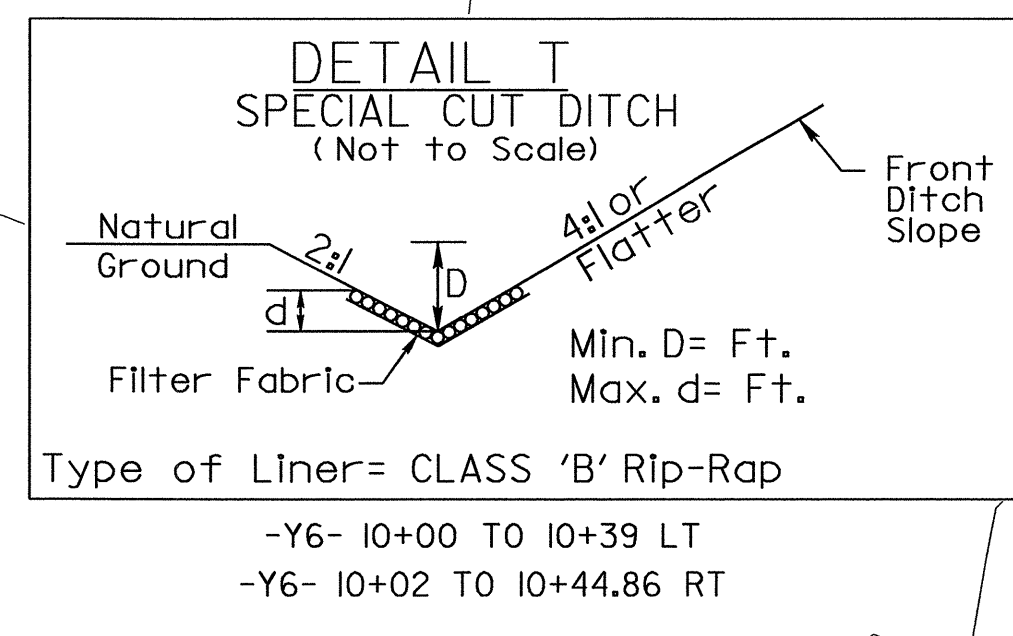
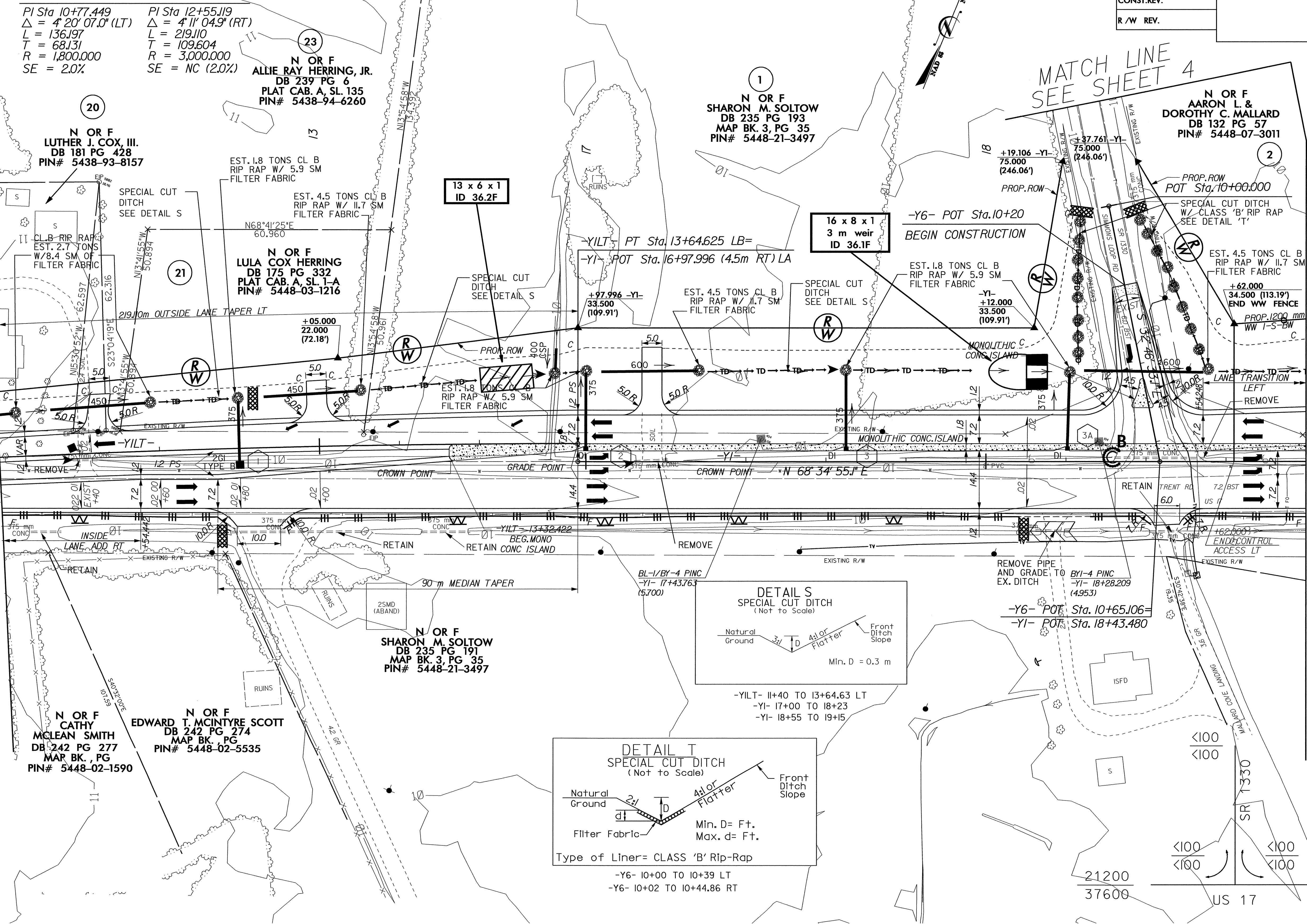


CONST.REV.  
R/W REV.

**CURVE DATA YILT**  
 PI Sta 10+77.449 PI Sta 12+55.119  
 $\Delta = 4^{\circ}20'07.0''$  (LT)  $\Delta = 4^{\circ}11'04.9''$  (RT)  
 L = 136.197 L = 219.110  
 T = 68.131 T = 109.604  
 R = 1,800.000 R = 3,000.000  
 SE = 2.0% SE = NC (2.0%)

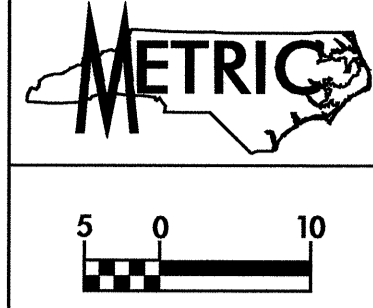
MATCH LINE STA.12+20.000 SEE SHEET 35

MATCH LINE STA.18+80.000 SEE SHEET 4



21200  
37600  
US 17  
21200  
37600

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 37



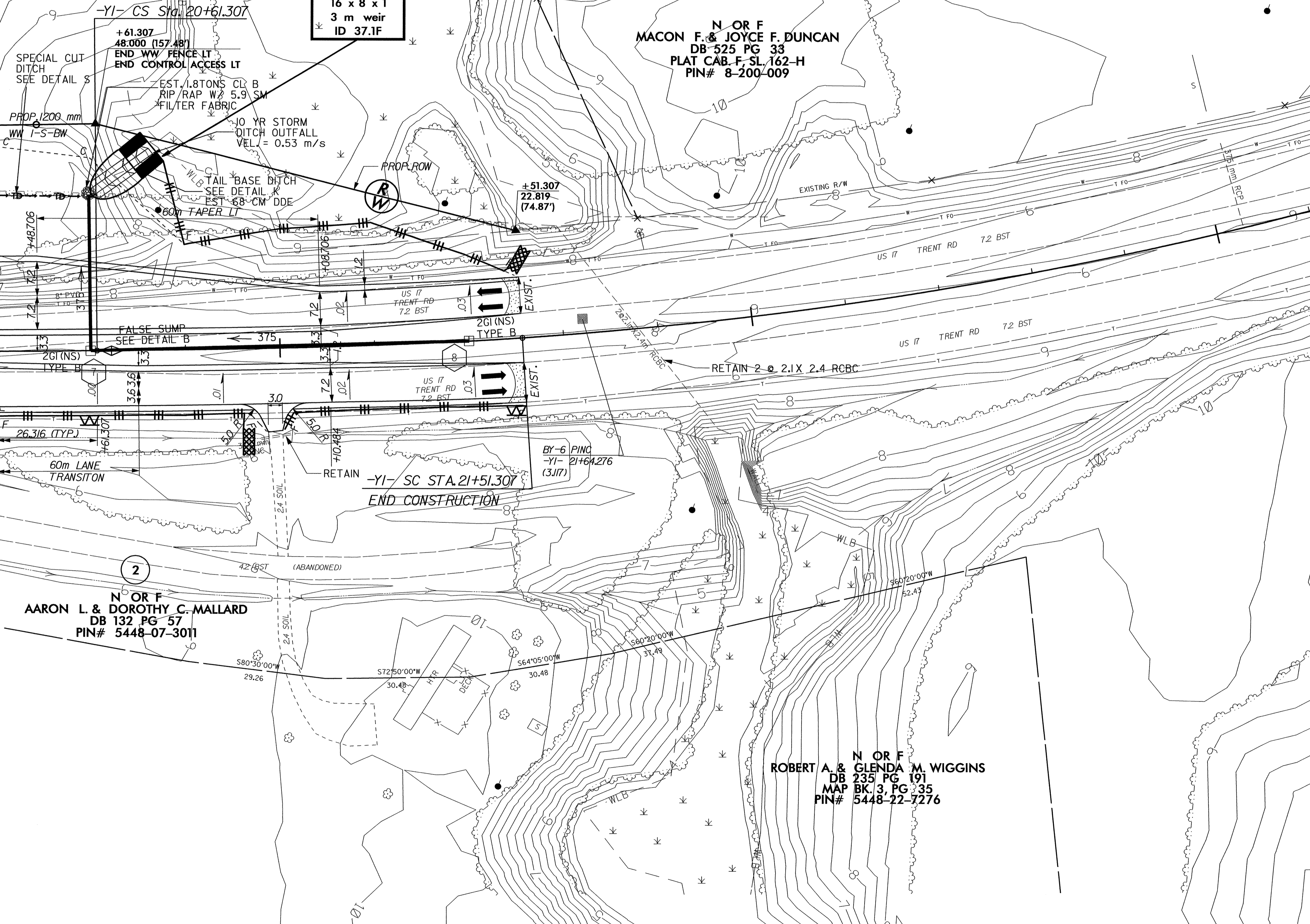
PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-36/CONST.37
R/W SHEET NO. 37	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	

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

MATCH LINE STA. 20+40.000 SEE SHEET 4

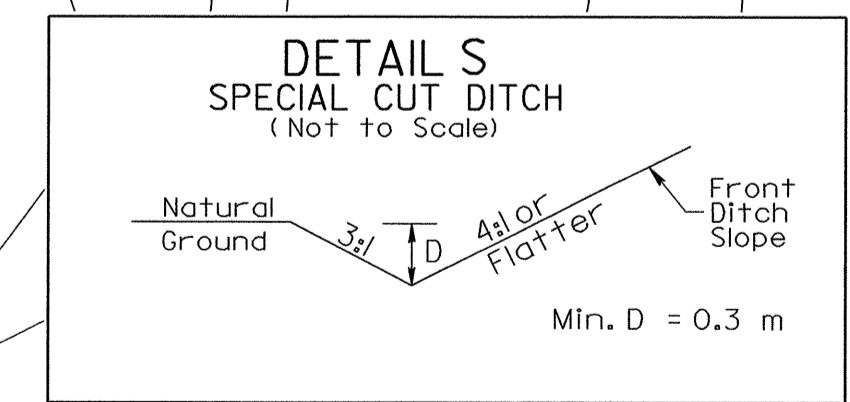
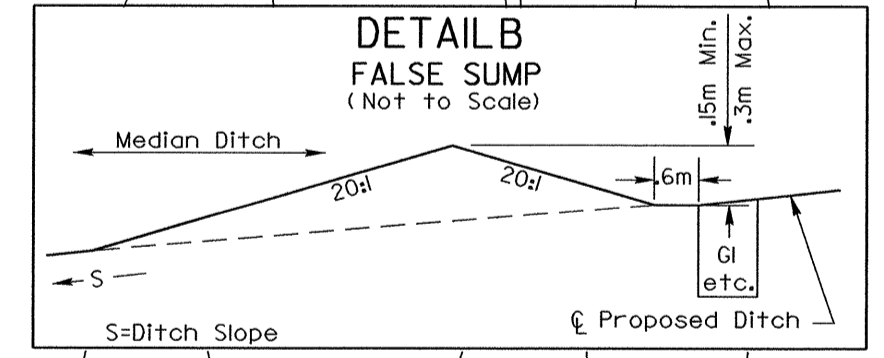
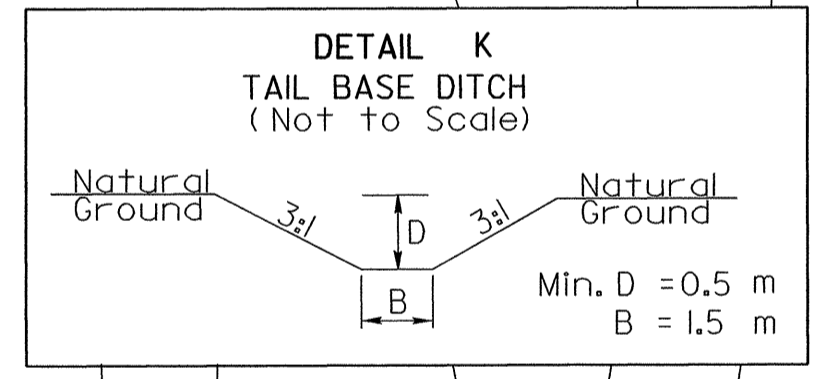
N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F, SL. 162-H  
PIN# 8-200-009



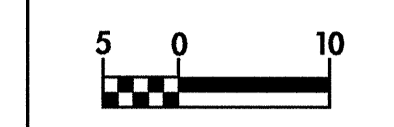
N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

N OR F  
ROBERT A. & GLENDA M. WIGGINS  
DB 235 PG 191  
MAP BK. 3, PG. 35  
PIN# 5448-22-7276



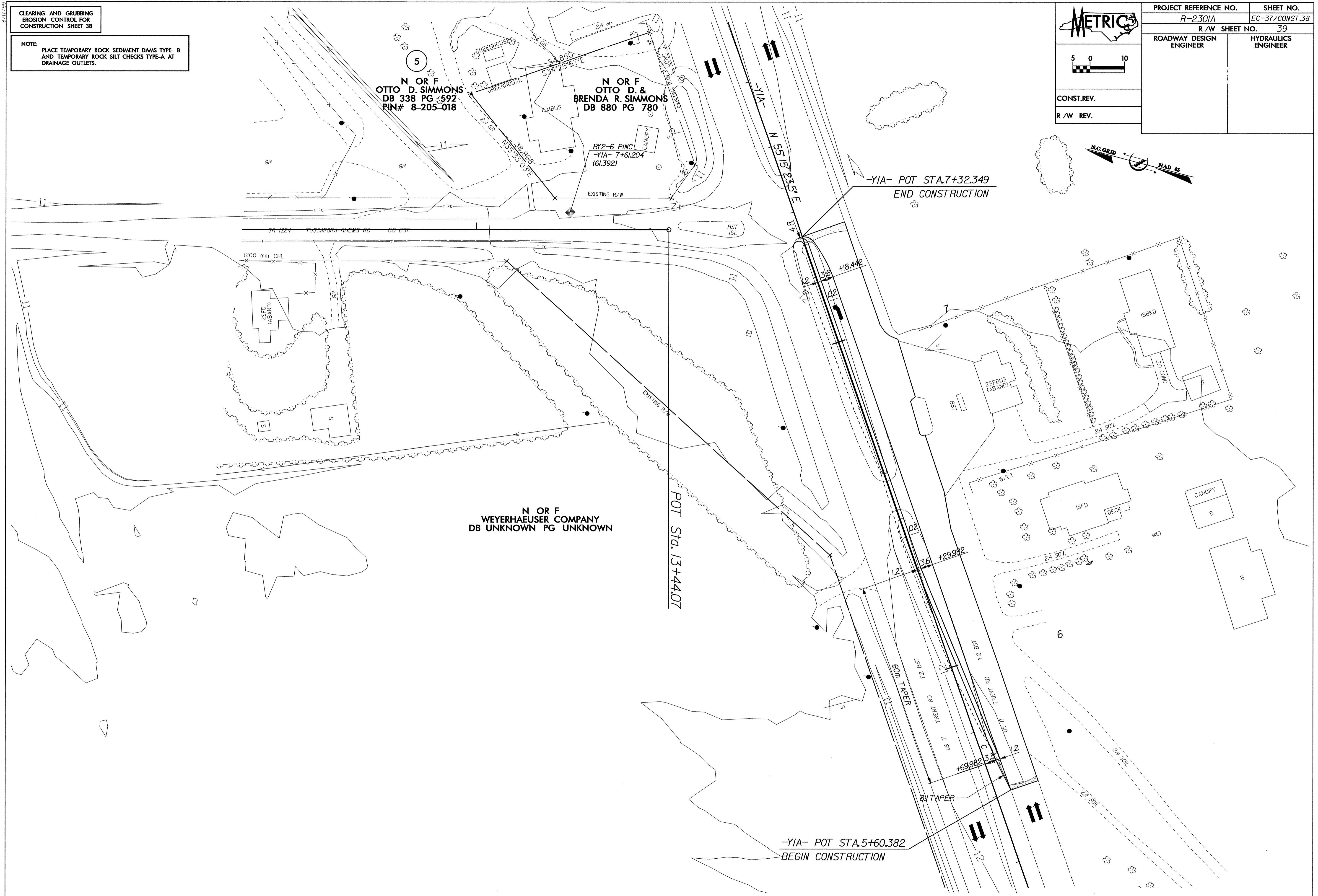
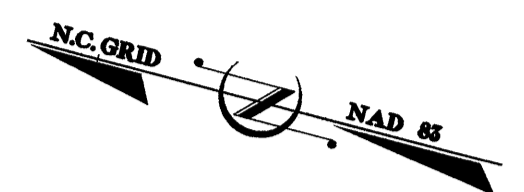
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 38

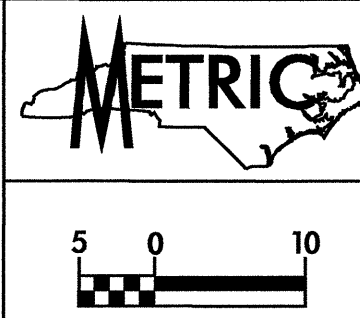
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- B  
AND TEMPORARY ROCK SILT CHECKS TYPE-A AT  
DRAINAGE OUTLETS.



CONST. REV.  
R / W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-37/CONST.38
R / W SHEET NO. 39	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

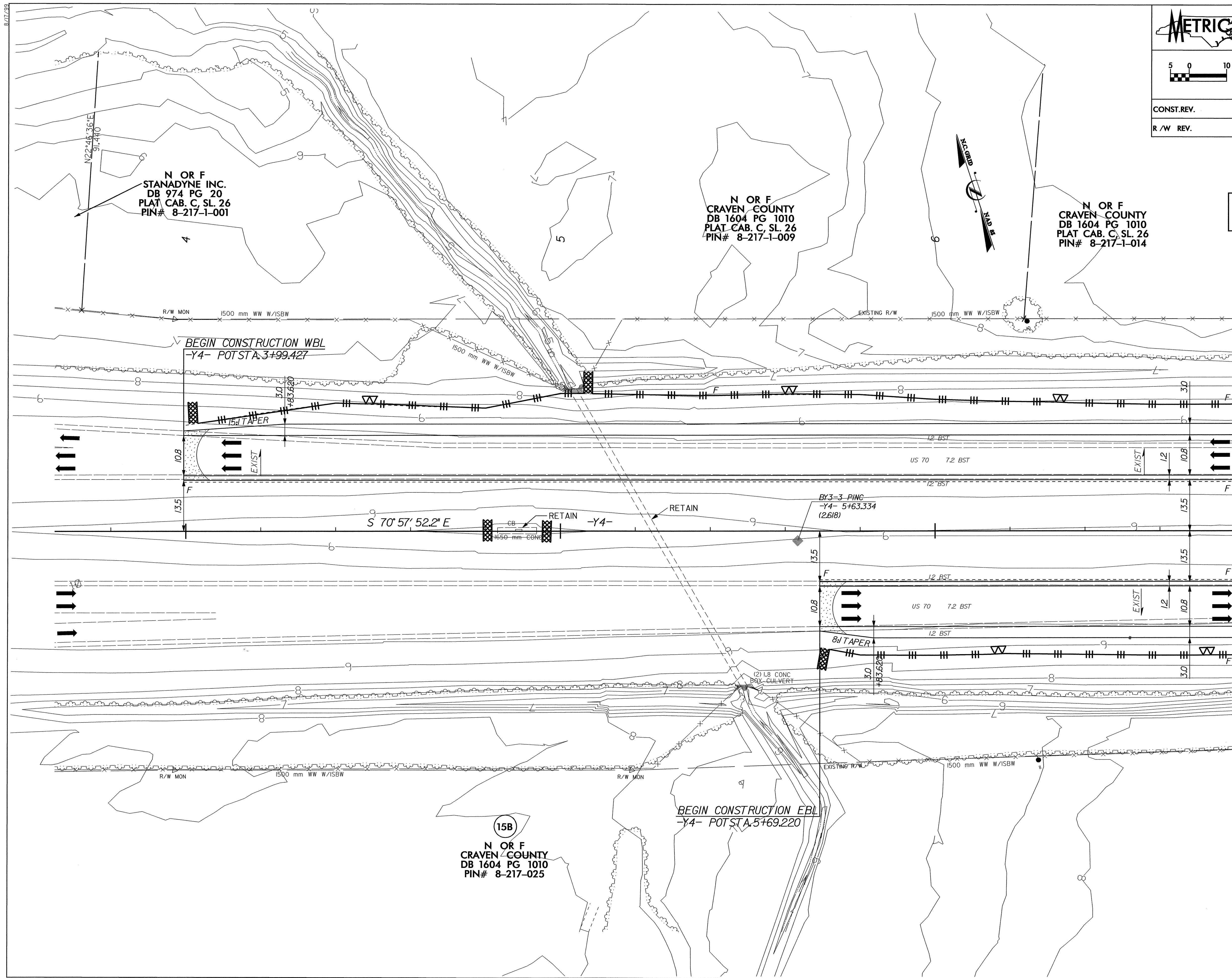




PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-38/CONST.39
R/W SHEET NO. 40	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 39

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

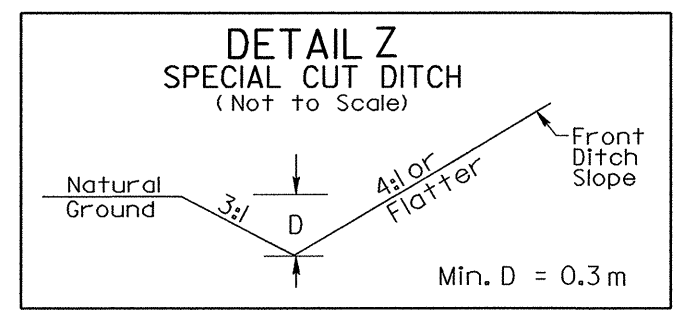
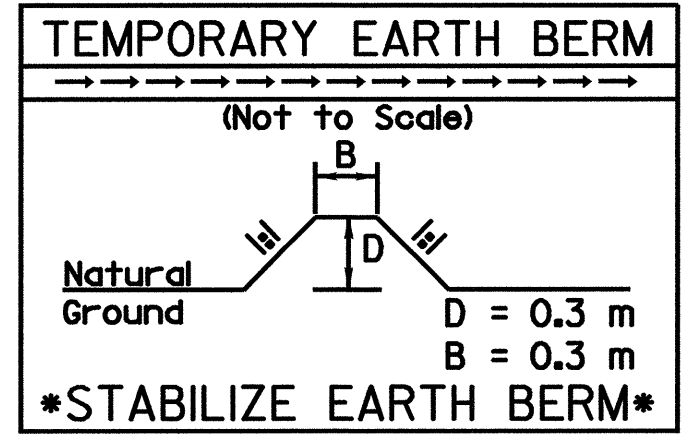


MATCH LINE STA. 6+80.000 SEE SHEET 40

15B  
N OR F  
CRAVEN COUNTY  
DB 1604 PG 1010  
PLAT # 8-217-025

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 40

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



-RPB- 6+70 TO 7+44 LT  
-RPA- 6+40 TO 7+15 RT

N OR F  
CRAVEN COUNTY  
DB 1604 PG 1010  
PLAT CAB. C, SL. 26  
PIN# 8-217-1-014

N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

**METRIC**

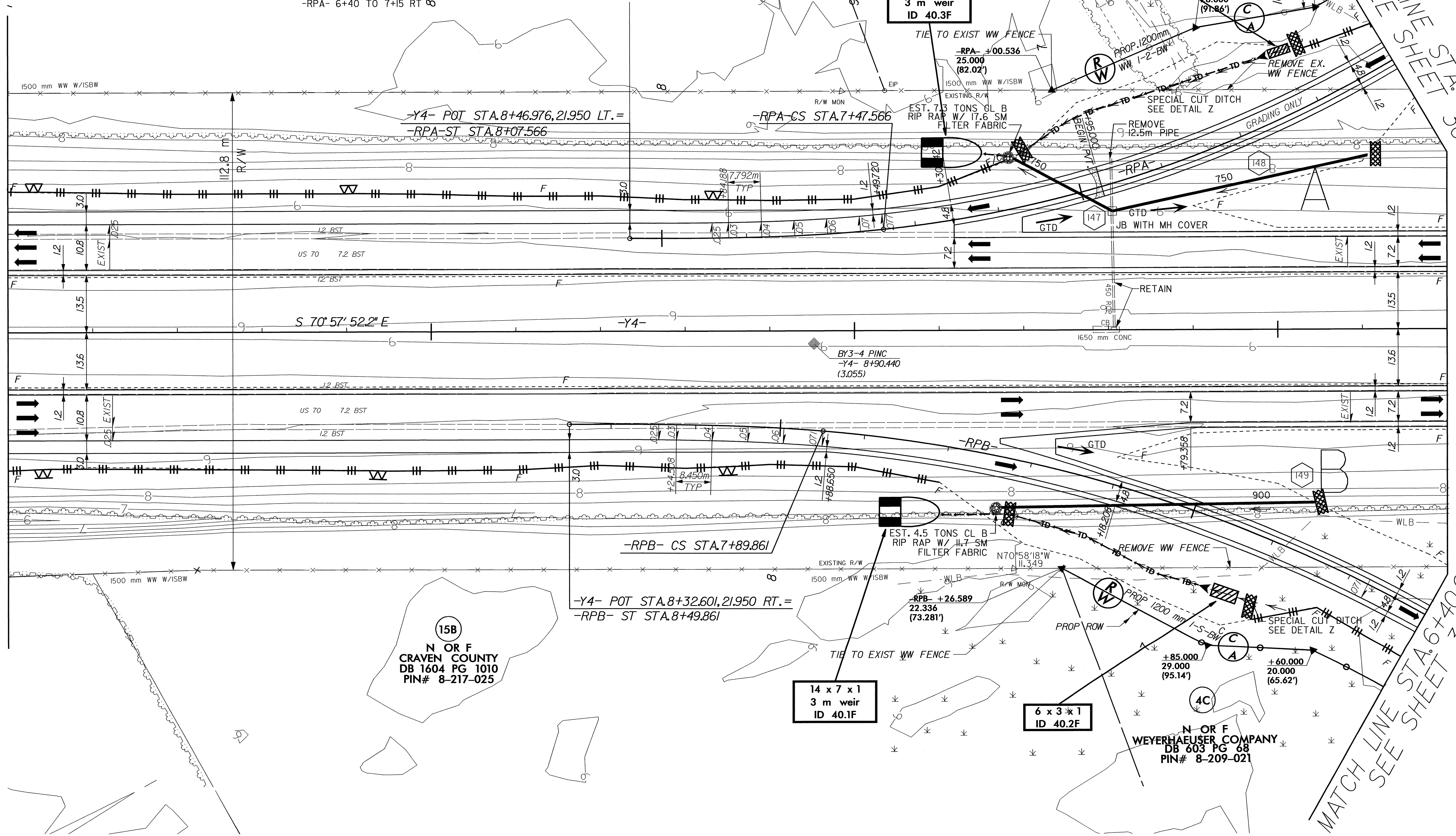
5 0 10

CONST. REV.  
R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-39/CONST.40
R/W SHEET NO. 41	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCH LINE STA. 6+80.000 SEE SHEET 40

MATCH LINE SHEET STA. 6+20.000  
MATCH LINE STA. 10+40.000  
MATCH LINE STA. 6+40.000 SEE SHEET 30



15B  
N OR F  
CRAVEN COUNTY  
DB 1604 PG 1010  
PIN# 8-217-025

N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

8/17/20

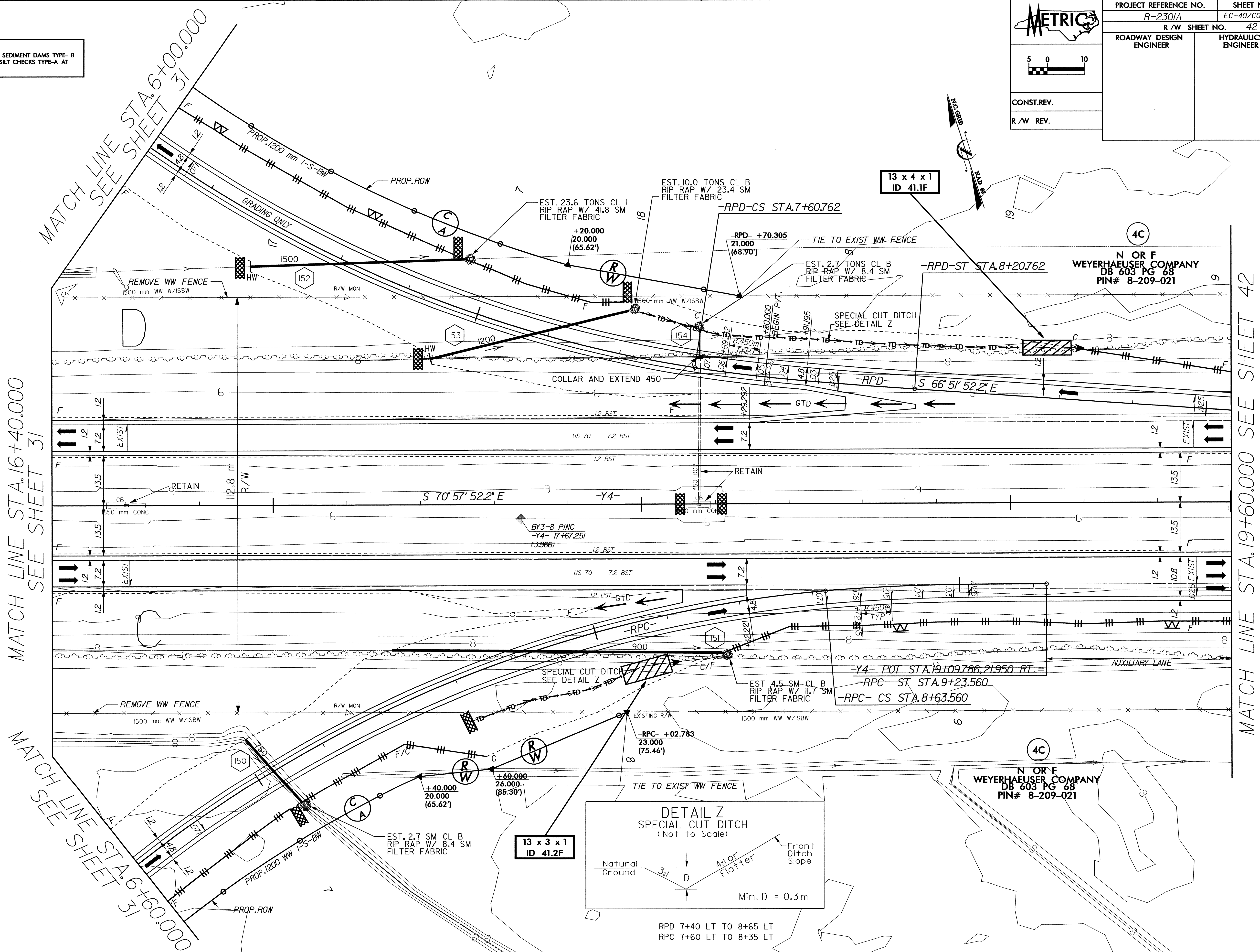
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 41

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

**METRIC**

CONST. REV.  
R/W REV.

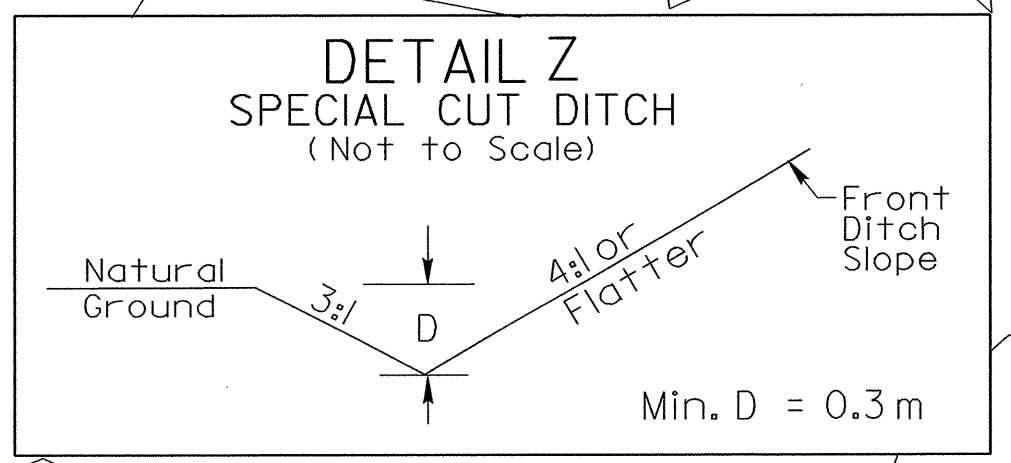
PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-40/CONST.41
R/W SHEET NO. 42	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE STA.16+40.000  
SEE SHEET 31

MATCH LINE STA.16+60.000  
SEE SHEET 31

MATCH LINE STA.19+60.000 SEE SHEET 42



RPD 7+40 LT TO 8+65 LT  
RPC 7+60 LT TO 8+35 LT

N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

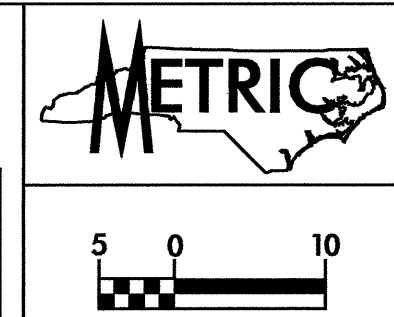
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

13 x 3 x 1  
ID 41.2F

13 x 4 x 1  
ID 41.1F

8/17/99

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 42

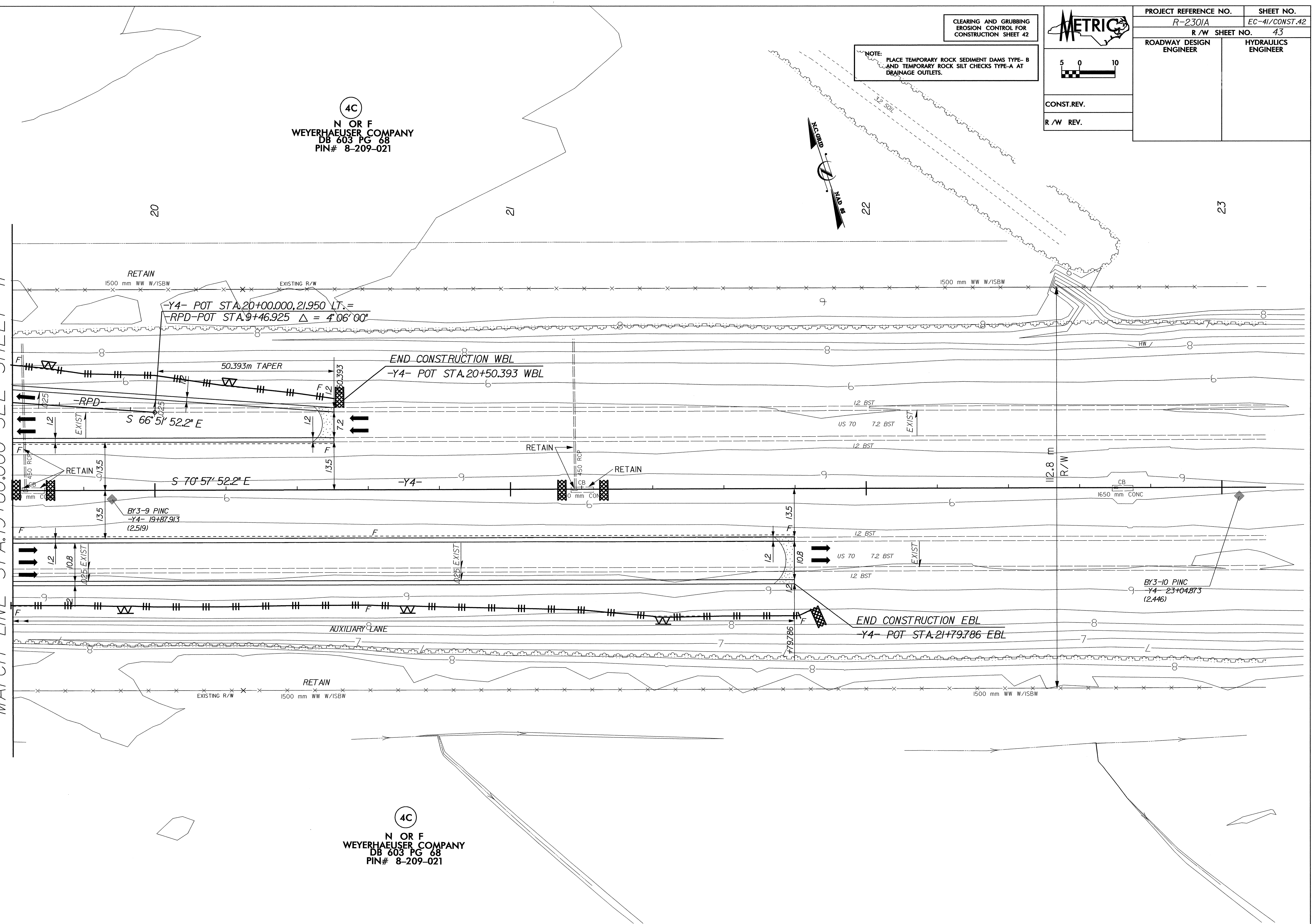


PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-41/CONST.42
R/W SHEET NO. 43	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

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

4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021


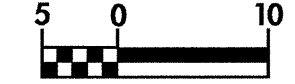
MATCH LINE STA. 19+60.000 SEE SHEET 41

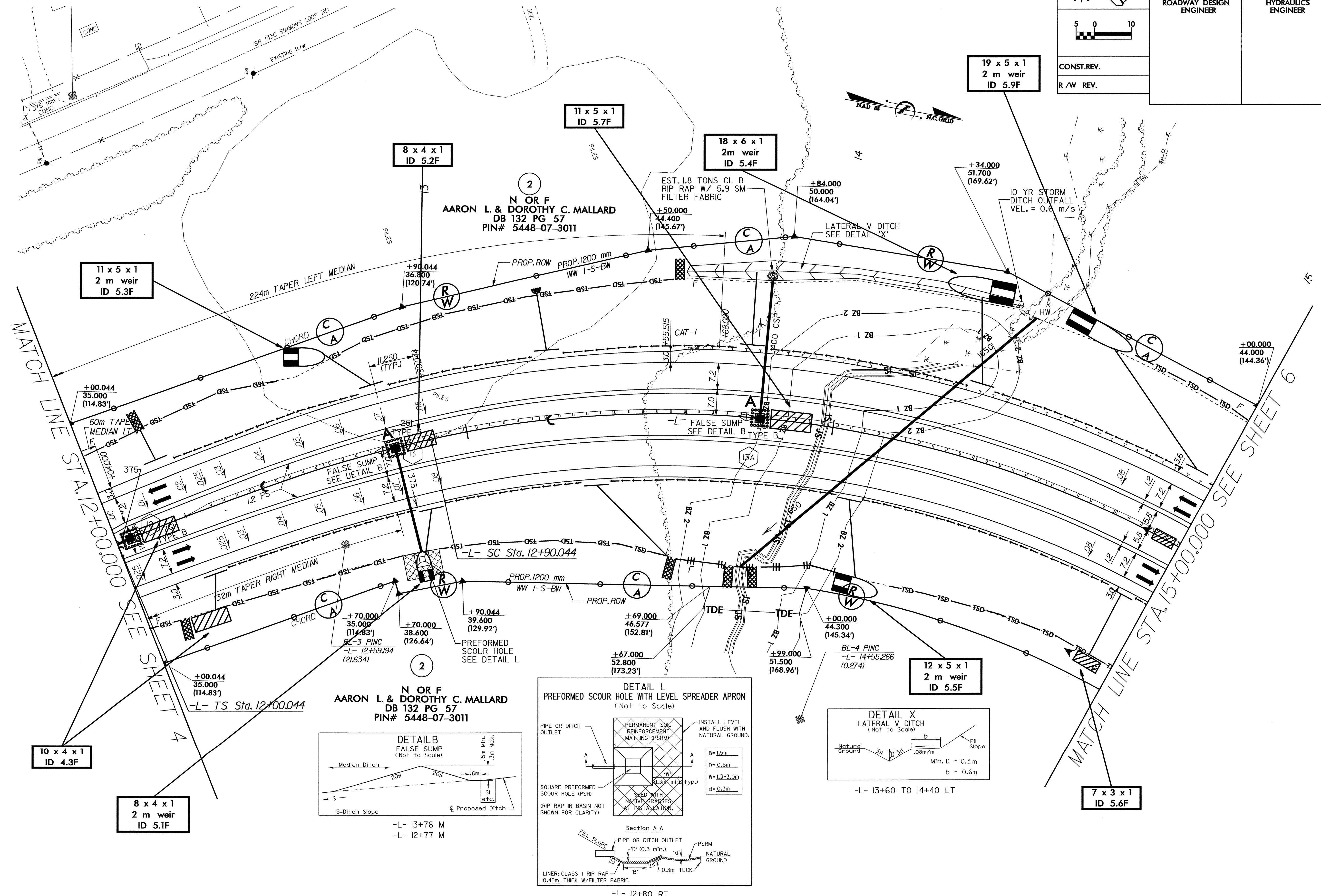


4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021



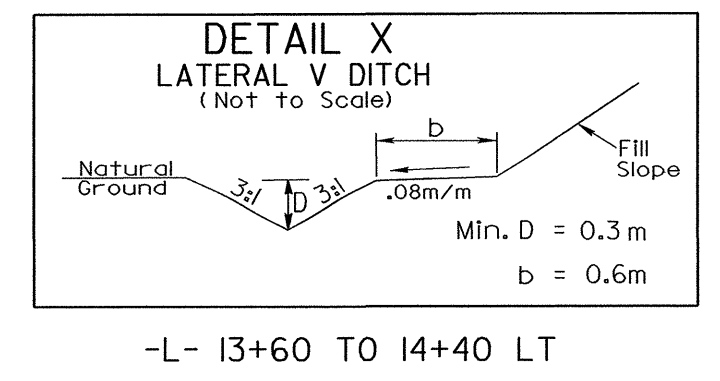
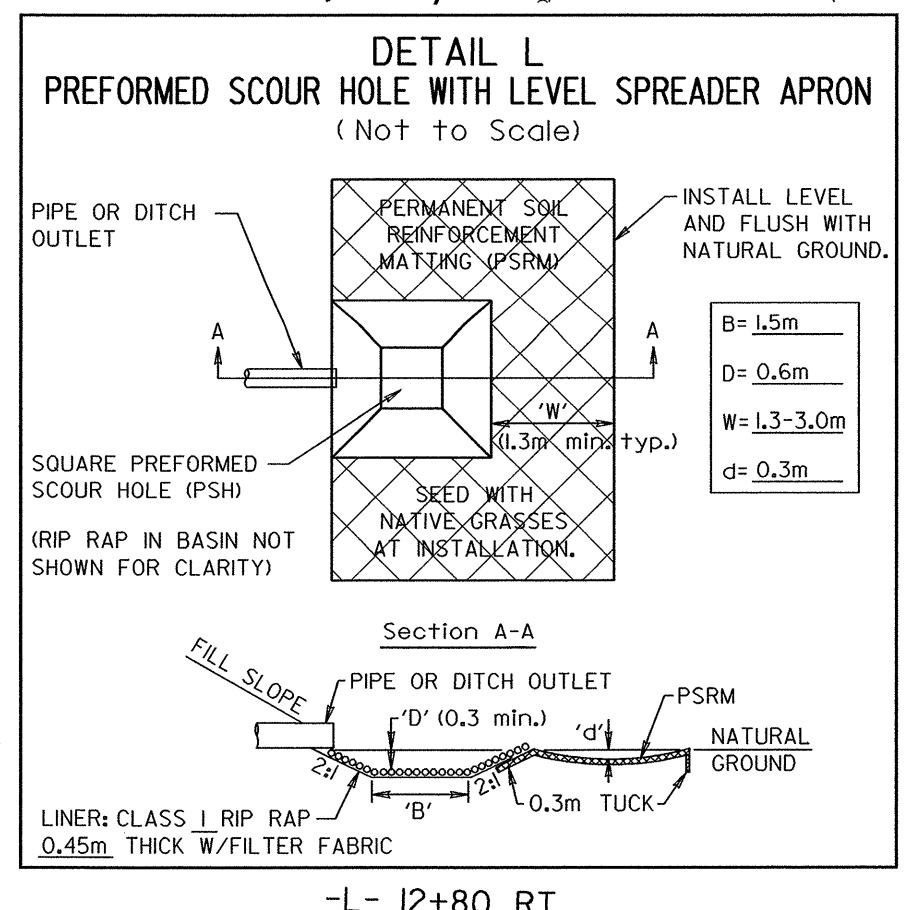
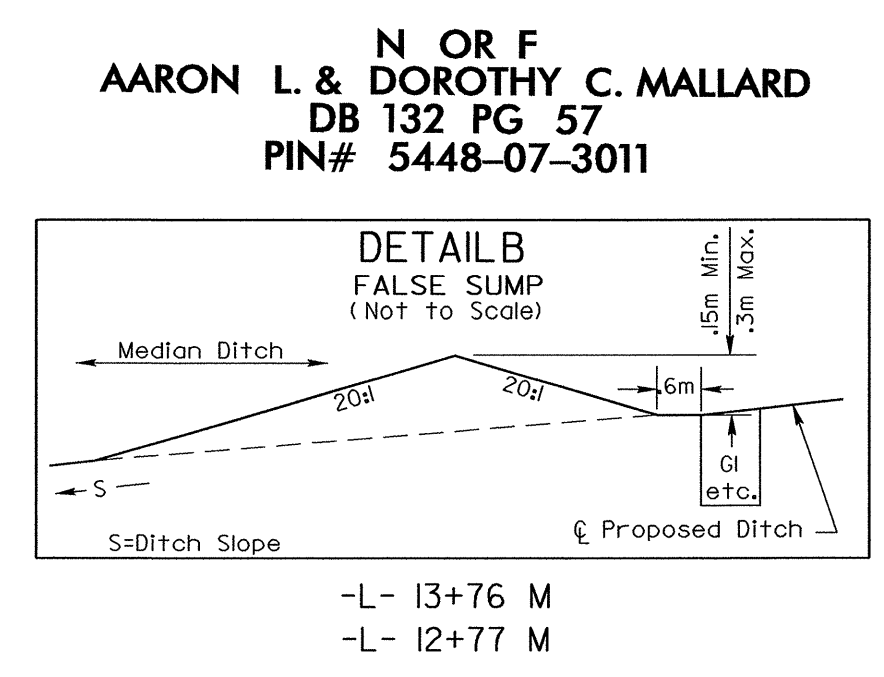


	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-43/CONST.5
	R/W SHEET NO.	4,5,6
	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.		
R/W REV.		

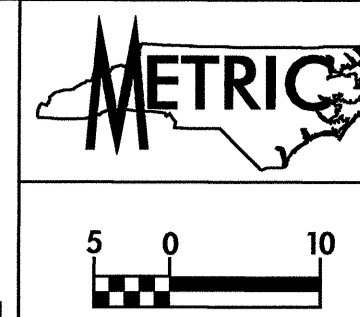


MATCH LINE STA. 12+00.000 SEE SHEET 4

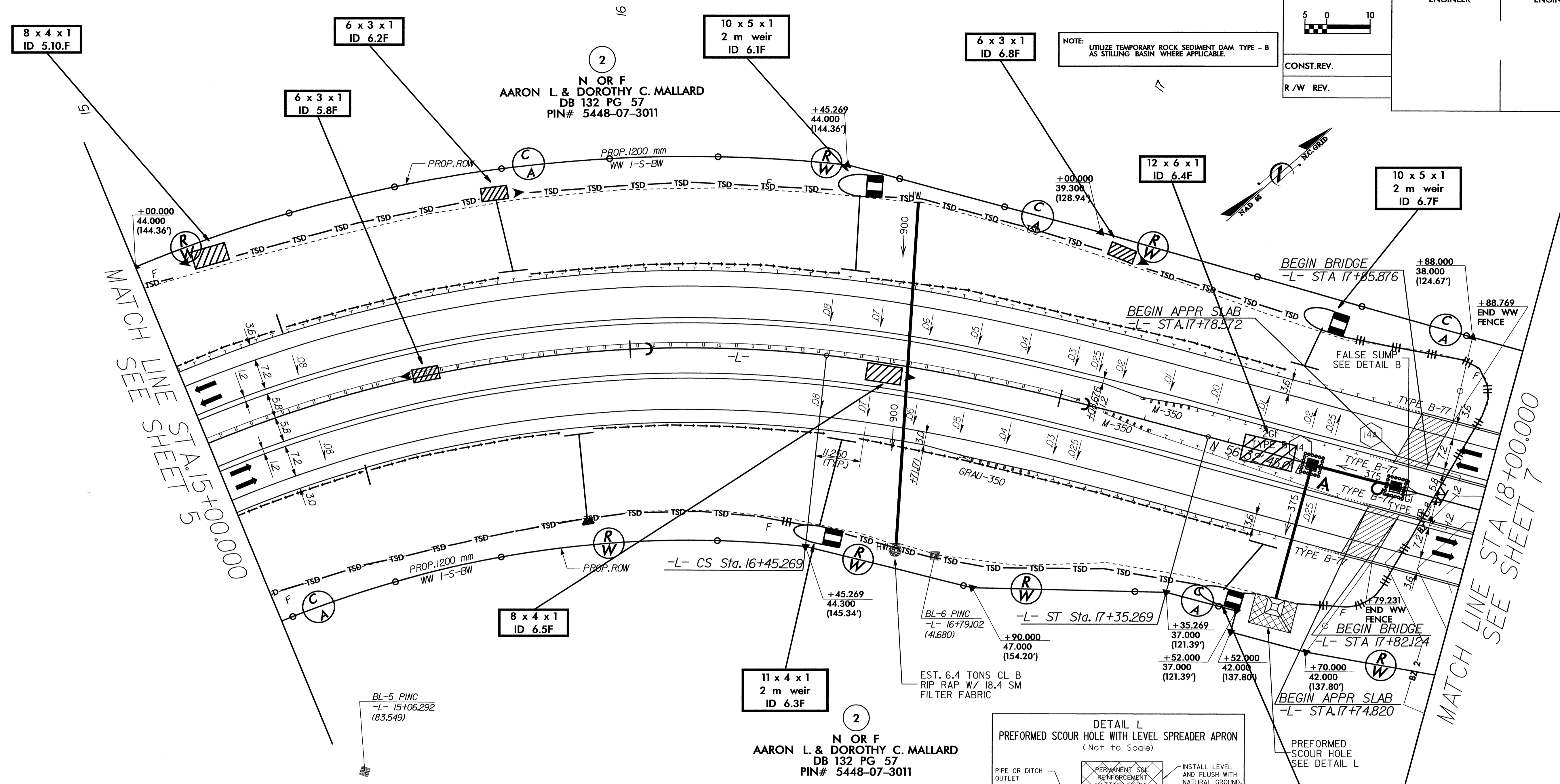
MATCH LINE STA. 15+00.000 SEE SHEET 6



8/17/20



PROJECT REFERENCE NO.	SHEET NO.
R-2301A	EC-44/CONST.6
R/W SHEET NO.	6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

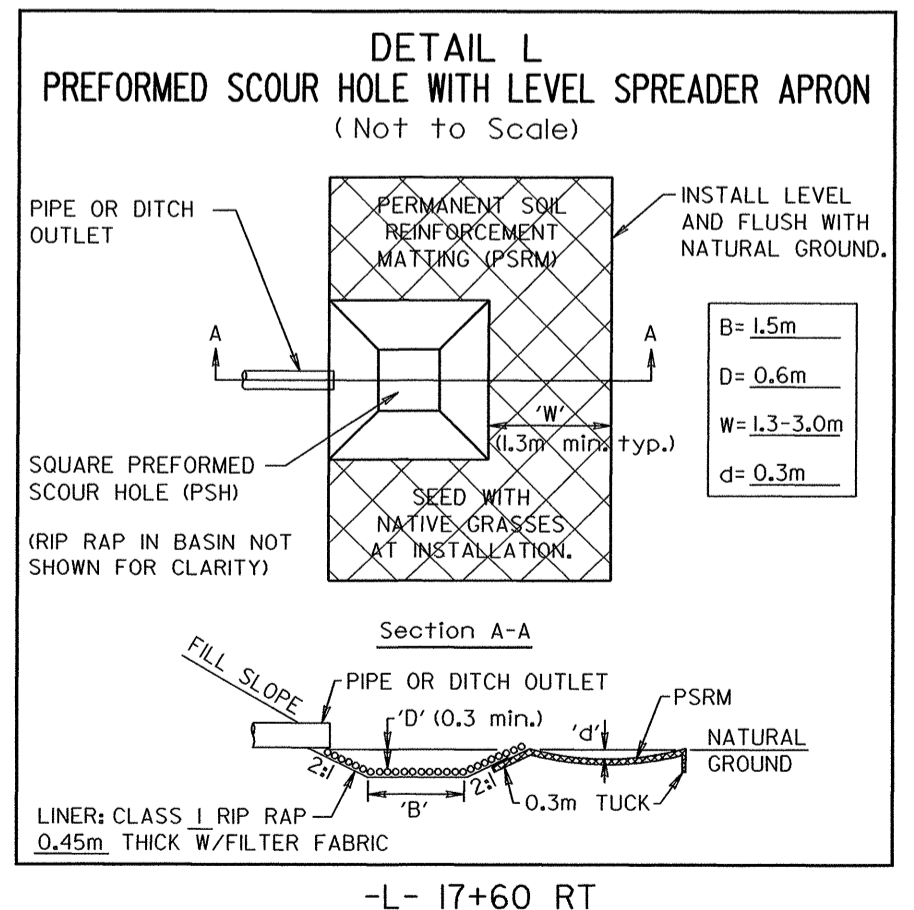
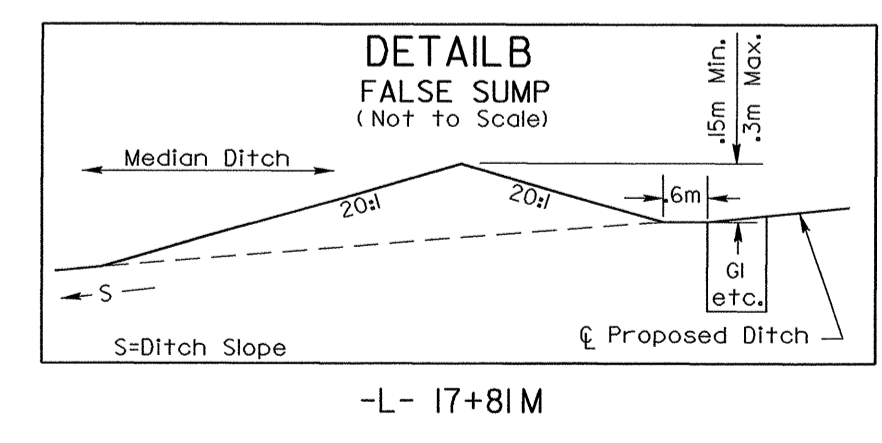


NOTE: UTILIZE TEMPORARY ROCK SEDIMENT DAM TYPE - B AS STILLING BASIN WHERE APPLICABLE.

MATCH LINE SEE SHEET 5 STA. 15+00.000

MATCH LINE SEE SHEET 7 STA. 18+00.000

N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011



10 x 4 x 1  
2m weir  
ID 6.6F

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

NOTE: UTILIZE TEMPORARY ROCK SEDIMENT DAM TYPE - B AS STILLING BASIN WHERE APPLICABLE.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-45/CONST.7
R/W SHEET NO. 7	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

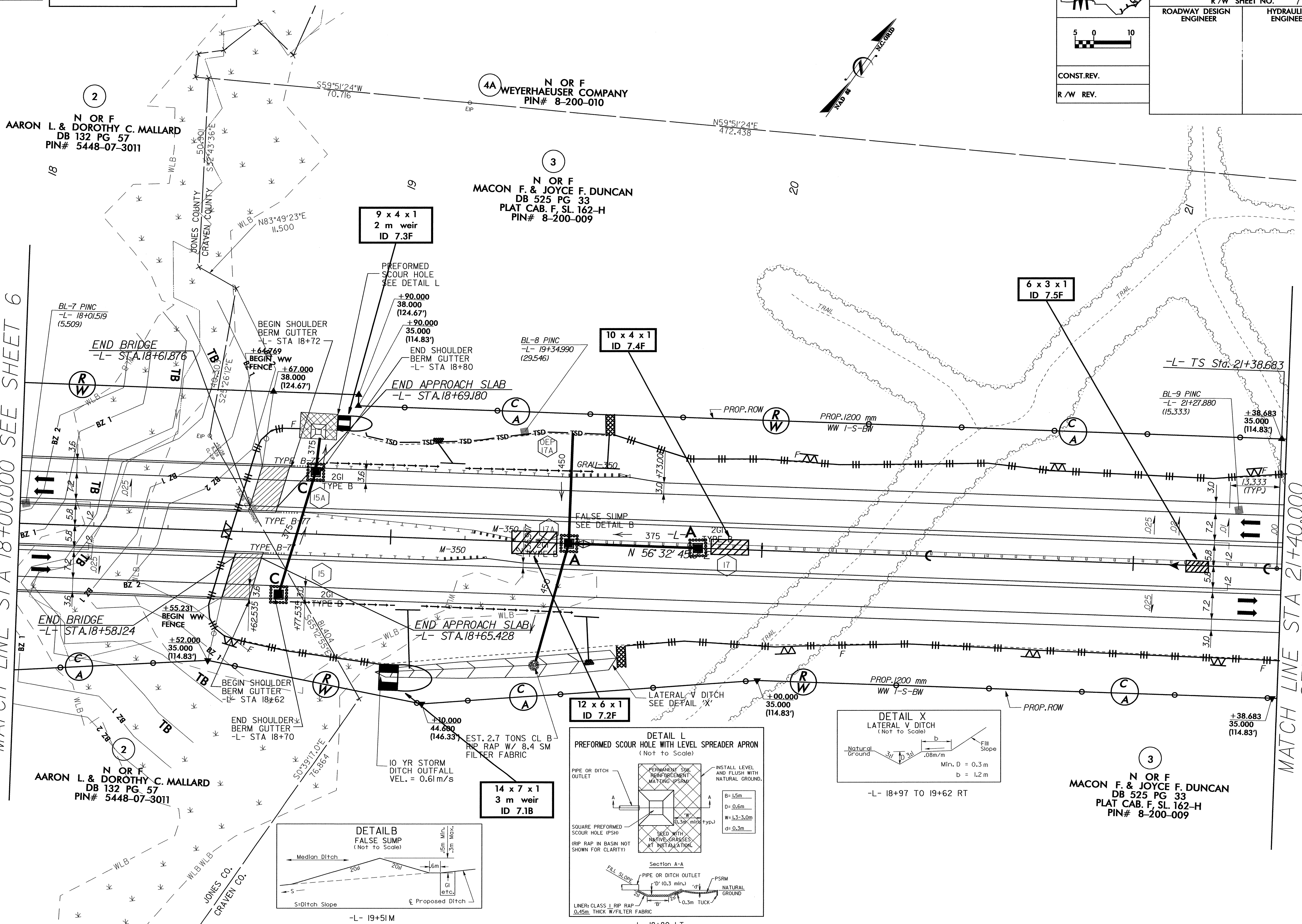
2  
N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

4A  
N OR F  
WEYERHAEUSER COMPANY  
PIN# 8-200-010

3  
N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009

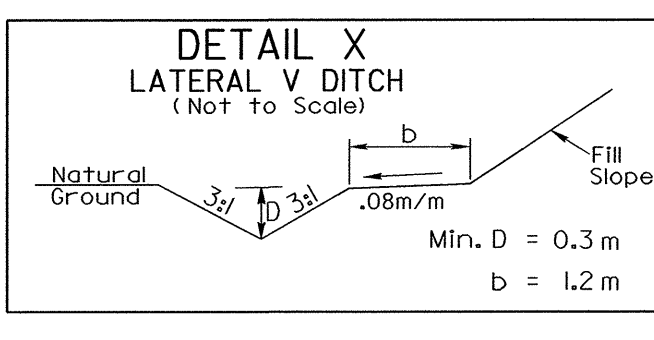
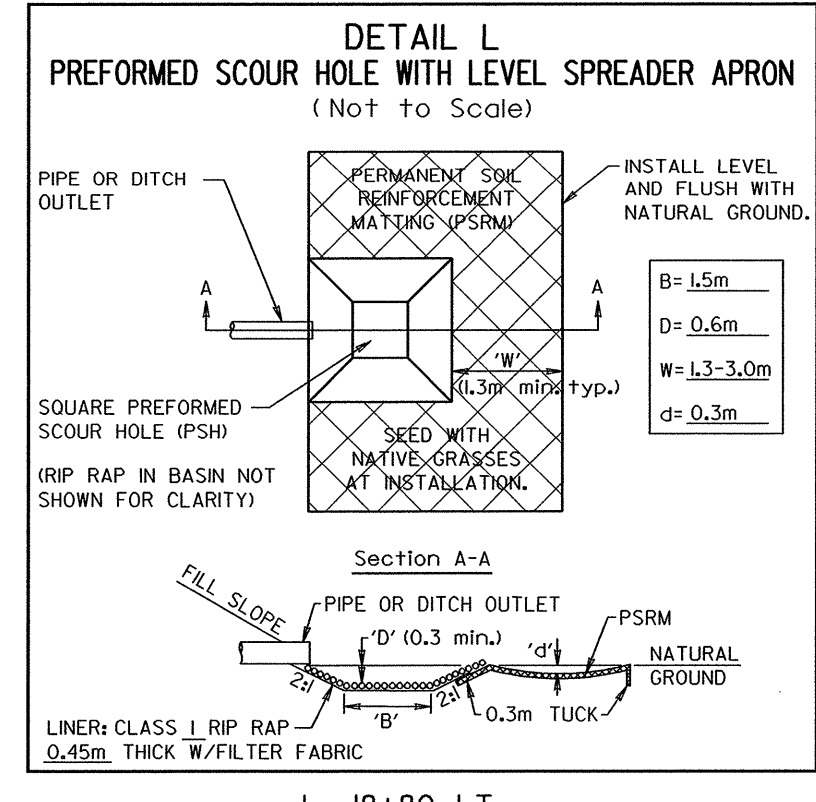
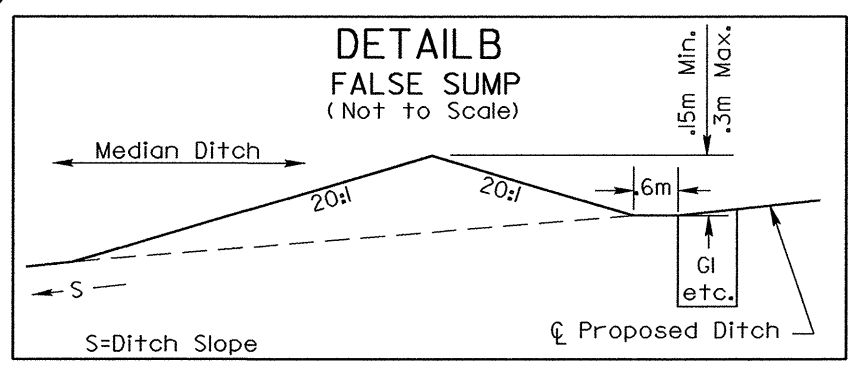
MATCH LINE STA 18+00.00 SEE SHEET 6

MATCH LINE STA 21+40.00 SEE SHEET 8



2  
N OR F  
AARON L. & DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

3  
N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009



14 x 7 x 1  
3 m weir  
ID 7.1B

12 x 6 x 1  
ID 7.2F

10 x 4 x 1  
ID 7.4F

9 x 4 x 1  
2 m weir  
ID 7.3F

6 x 3 x 1  
ID 7.5F

-L- 19+51 M

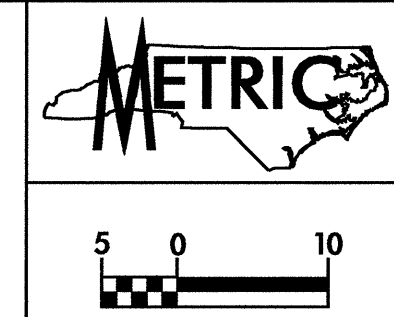
-L- 18+90 IT

8/17/99

4A  
N OR F  
WEYERHAEUSER COMPANY  
PIN# 8-200-010

INSTALL FILTER FABRIC UNDER  
TEMPORARY ROCK SILT CHECK(S)  
TYPE A IN PERMITTED WETLANDS.

Place Matting for Erosion Control  
on Slopes Adjacent to Permitted  
Wetlands as Work Allows.



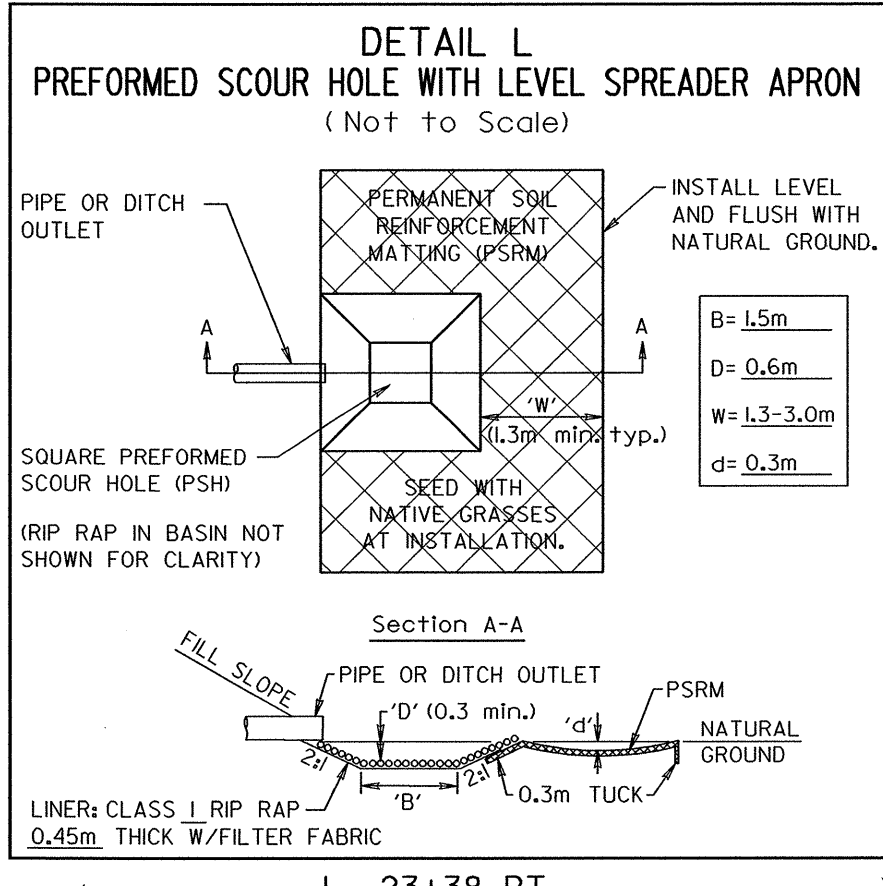
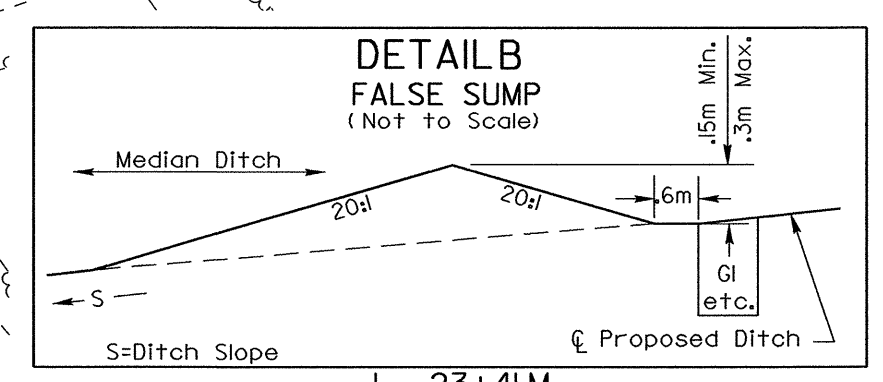
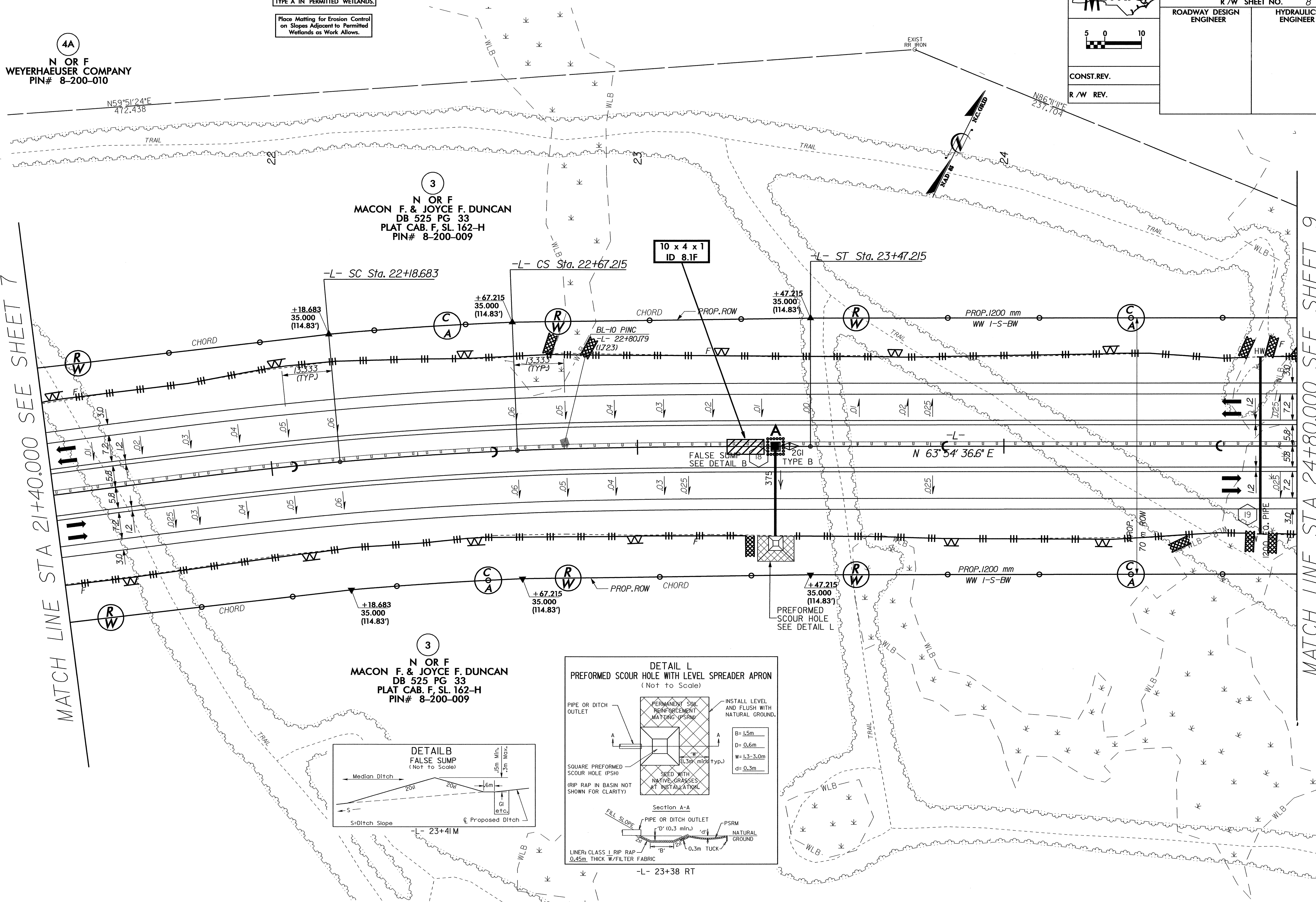
PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-46/CONST.8
R/W SHEET NO. 8	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

MATCH LINE STA 21+40.000 SEE SHEET 7

MATCH LINE STA 24+80.000 SEE SHEET 9

3  
N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009

3  
N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009



8/17/98

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

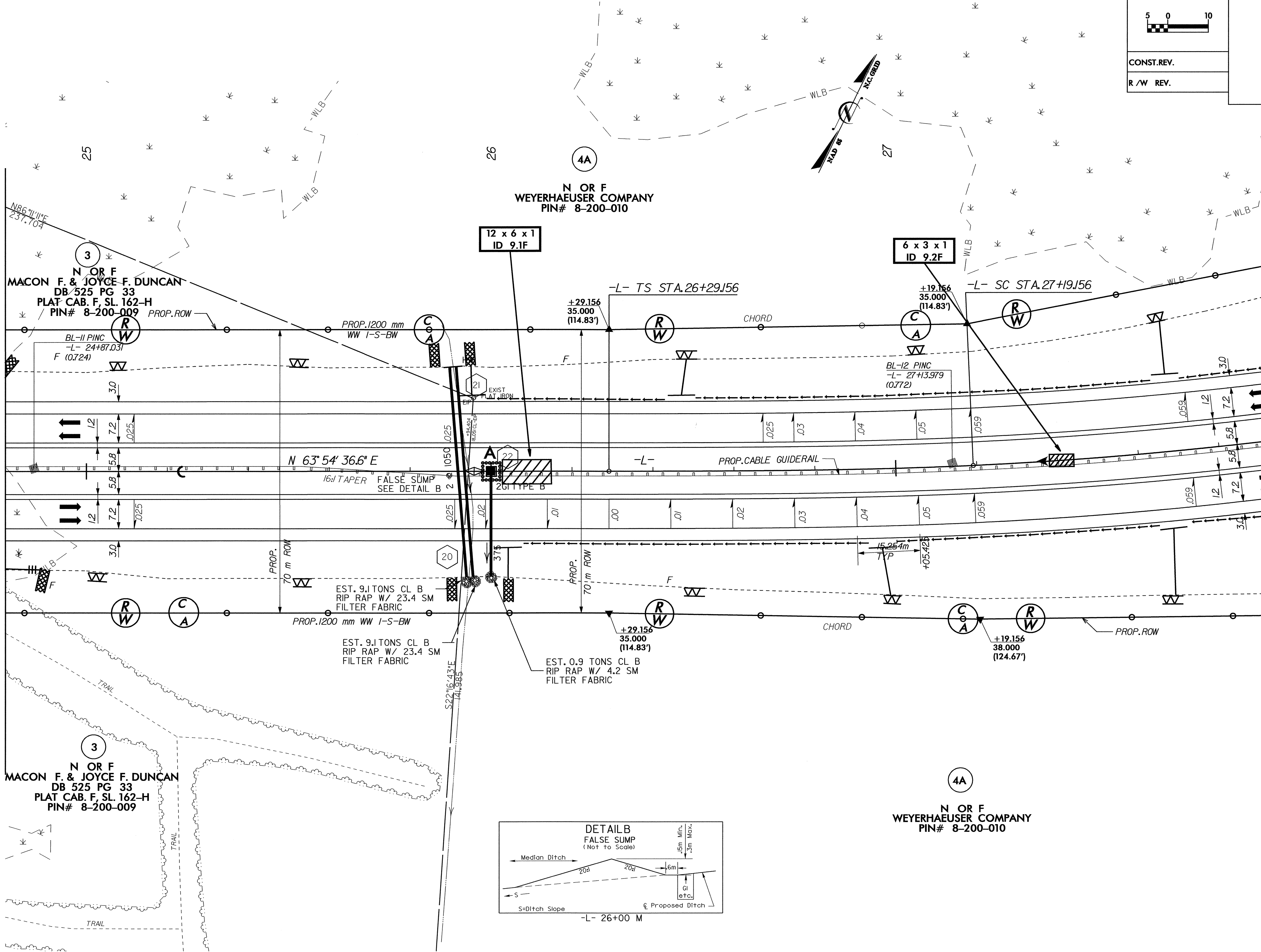
**METRIC**

CONST. REV.  
R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-47/CONST.9
R/W SHEET NO. 9	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCH LINE STA 24+80.000 SEE SHEET 8

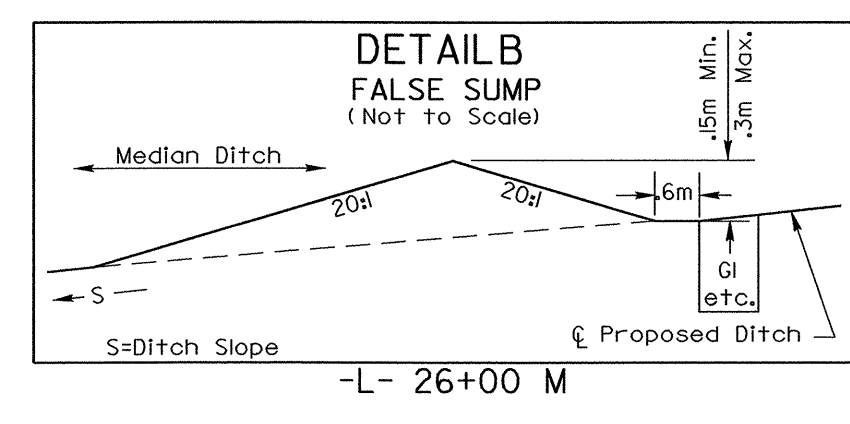
MATCH LINE STA 28+00.000 SEE SHEET 10



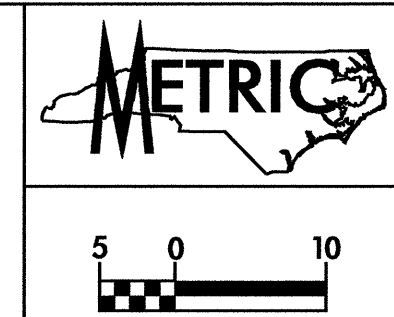
N OR F  
MACON F. & JOYCE F. DUNCAN  
DB 525 PG 33  
PLAT CAB. F. SL. 162-H  
PIN# 8-200-009

N OR F  
WEYERHAEUSER COMPANY  
PIN# 8-200-010

N OR F  
WEYERHAEUSER COMPANY  
PIN# 8-200-010

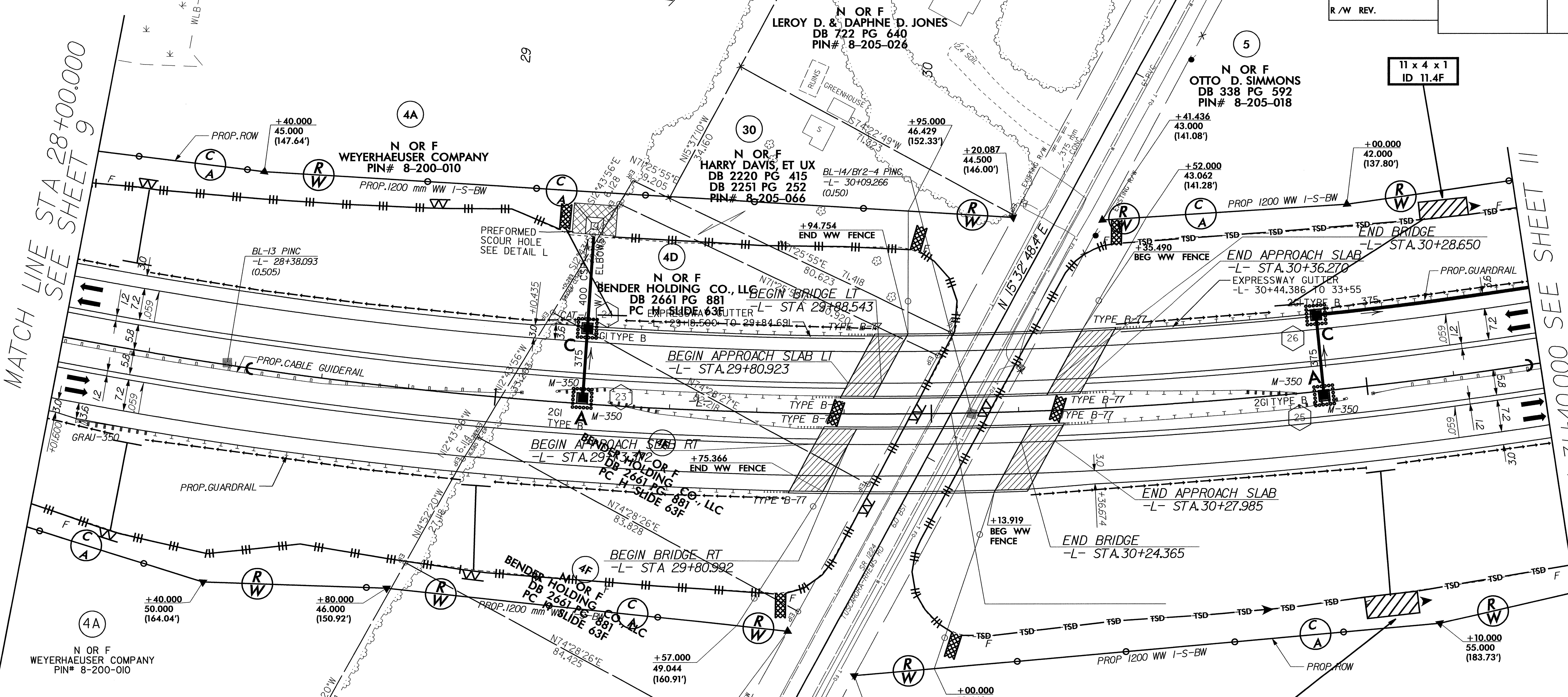


8/17/20

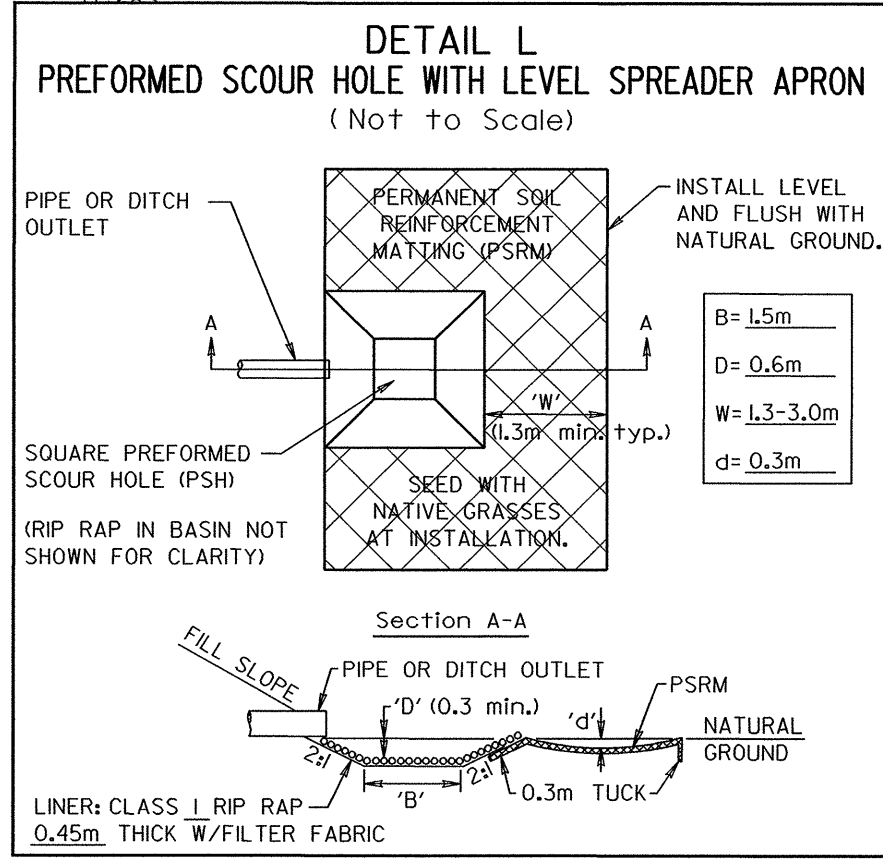


PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-48/CONST.10
R/W SHEET NO. 10	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

MATCH LINE STA 28+00.000  
SEE SHEET 9



MATCH LINE STA. 31+40.000 SEE SHEET 11



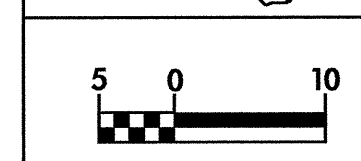
-L- 29+20 LT

12 x 5 x 1  
ID 11.2C&G

11 x 4 x 1  
ID 11.4F

INSTALL FILTER FABRIC UNDER  
TEMPORARY ROCK SILT CHECK(S)  
TYPE A IN PERMITTED WETLANDS.

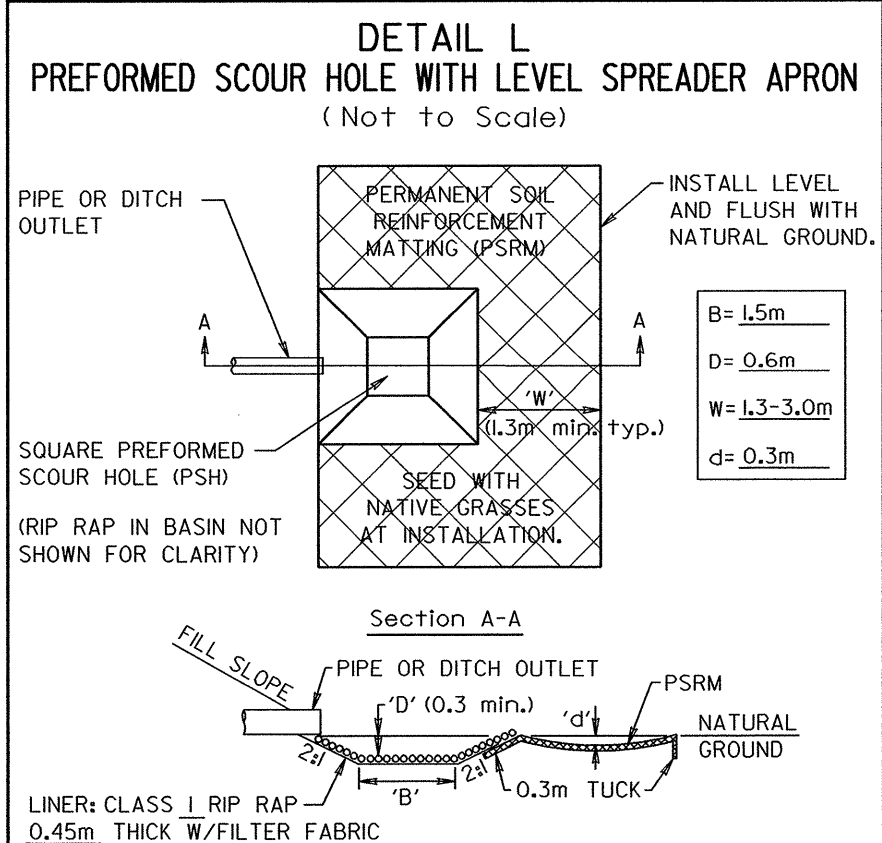
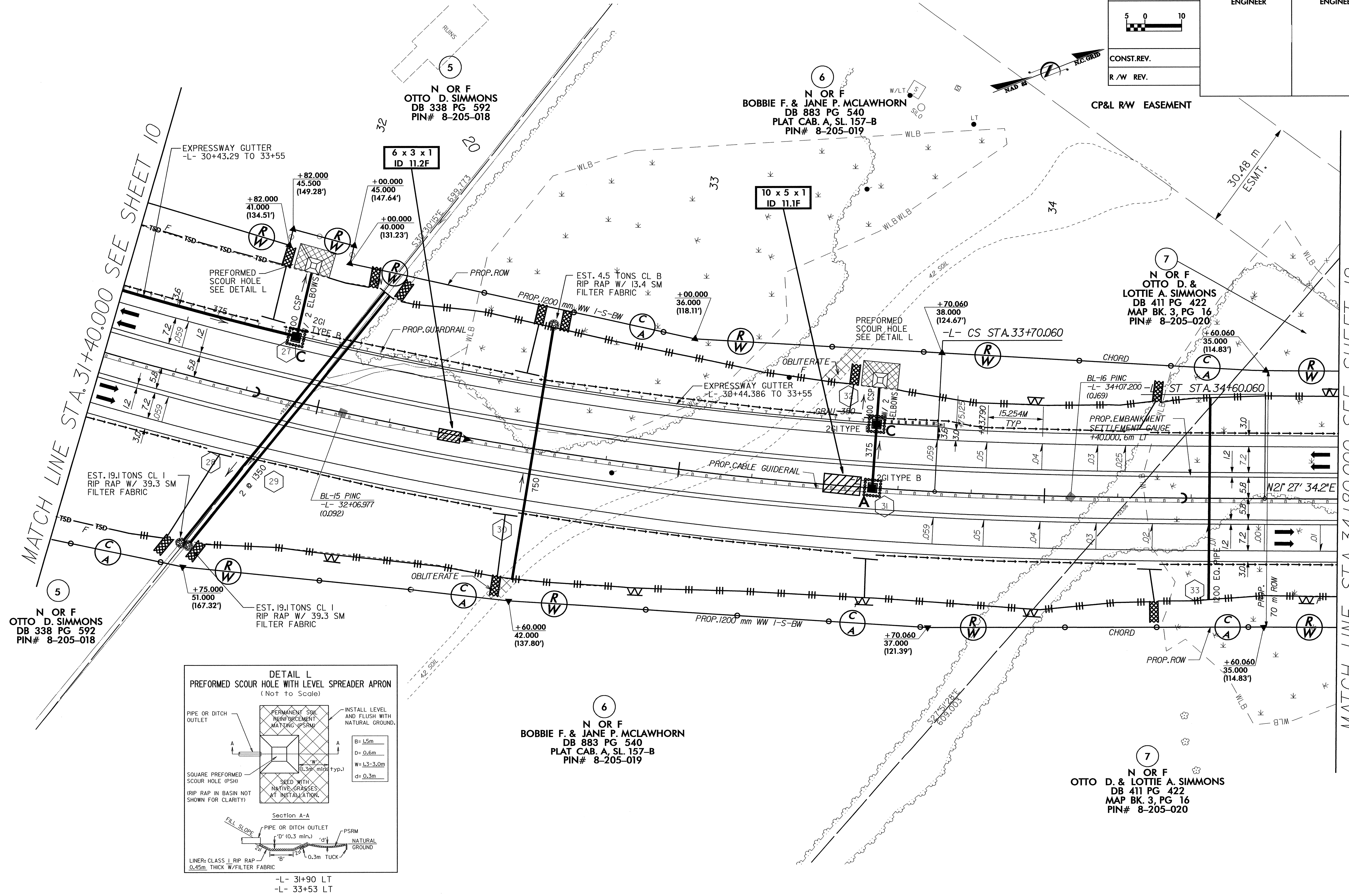
Place Matting for Erosion Control  
on Slopes Adjacent to Permitted  
Wetlands as Work Allows.



CONST. REV.

R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-49/CONST.II
R/W SHEET NO. II	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE STA. 31+40.000 SEE SHEET 10

MATCH LINE STA. 34+80.000 SEE SHEET 12

N OR F  
OTTO D. SIMMONS  
DB 338 PG 592  
PIN# 8-205-018

N OR F  
OTTO D. SIMMONS  
DB 338 PG 592  
PIN# 8-205-018

N OR F  
BOBBIE F. & JANE P. MCLAWHORN  
DB 883 PG 540  
PLAT CAB. A, SL. 157-B  
PIN# 8-205-019

N OR F  
BOBBIE F. & JANE P. MCLAWHORN  
DB 883 PG 540  
PLAT CAB. A, SL. 157-B  
PIN# 8-205-019

N OR F  
OTTO D. & LOTTIE A. SIMMONS  
DB 411 PG 422  
MAP BK. 3, PG 16  
PIN# 8-205-020

N OR F  
OTTO D. & LOTTIE A. SIMMONS  
DB 411 PG 422  
MAP BK. 3, PG 16  
PIN# 8-205-020



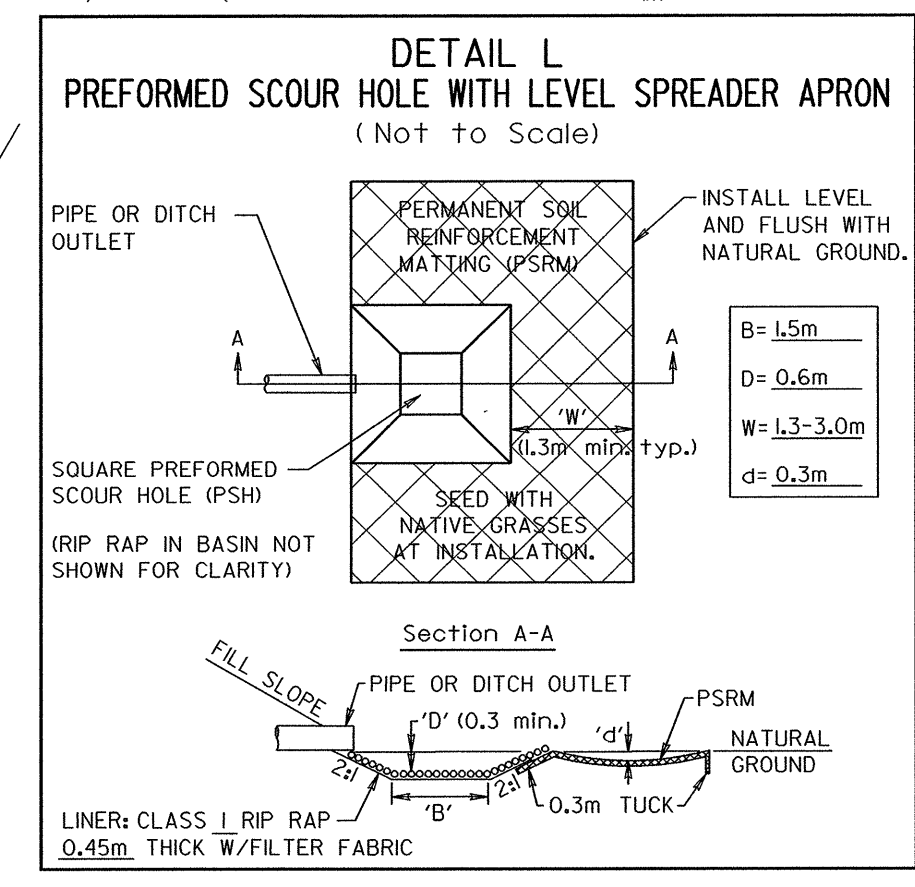
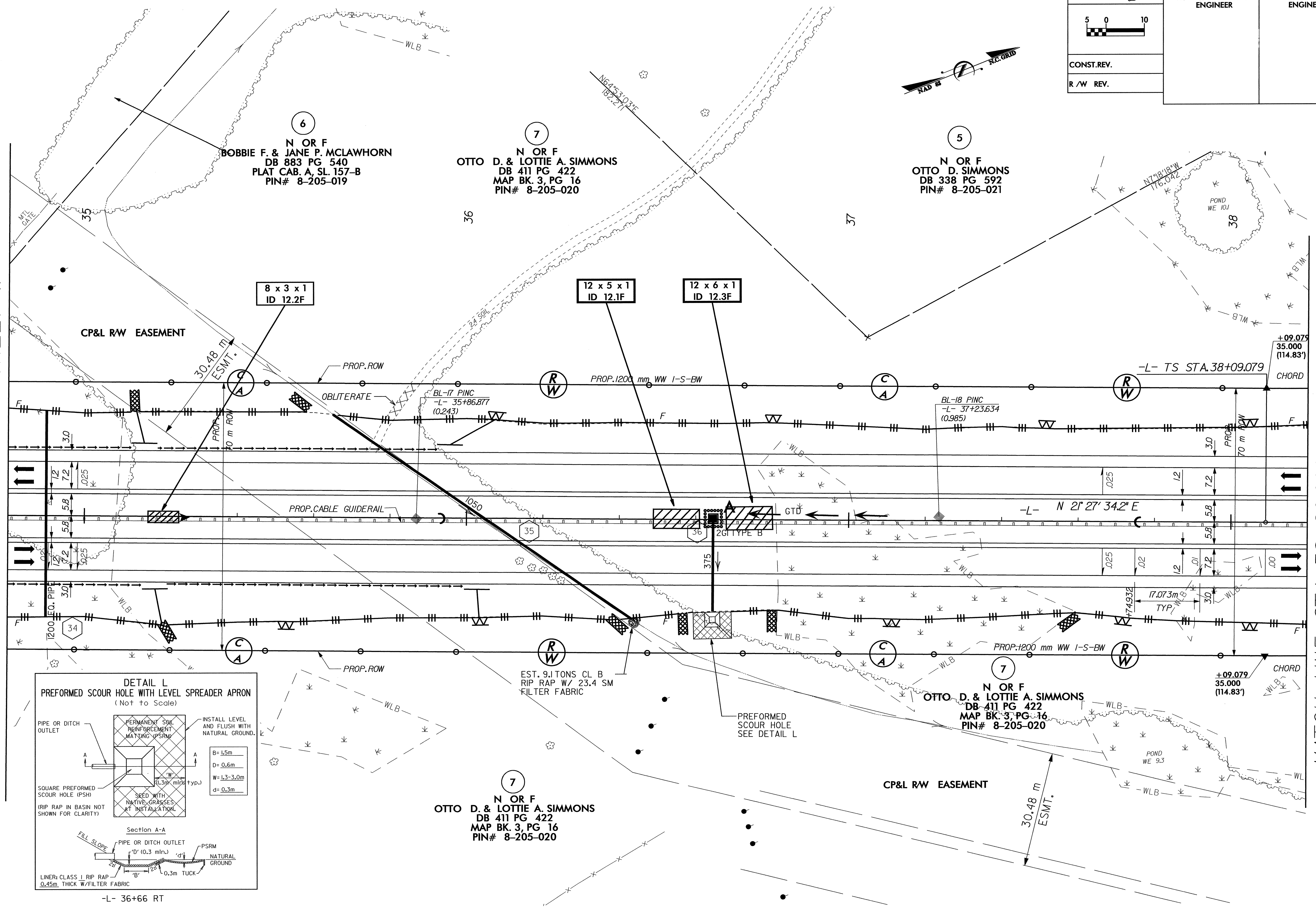
8/17/21

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

<b>METRIC</b>	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-50/CONST 12
5 0 10	R/W SHEET NO.	12
	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.		
R/W REV.		

MATCH LINE STA. 34+80.000 SEE SHEET 11

MATCH LINE STA 38+20.000 SEE SHEET 13



6  
 N OR F  
 BOBBIE F. & JANE P. MCLAWHORN  
 DB 883 PG 540  
 PLAT CAB. A, SL. 157-B  
 PIN# 8-205-019

7  
 N OR F  
 OTTO D. & LOTTIE A. SIMMONS  
 DB 411 PG 422  
 MAP BK. 3, PG 16  
 PIN# 8-205-020

5  
 N OR F  
 OTTO D. SIMMONS  
 DB 338 PG 592  
 PIN# 8-205-021


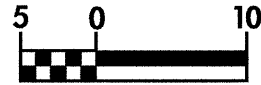
7  
 N OR F  
 OTTO D. & LOTTIE A. SIMMONS  
 DB 411 PG 422  
 MAP BK. 3, PG 16  
 PIN# 8-205-020

7  
 N OR F  
 OTTO D. & LOTTIE A. SIMMONS  
 DB 411 PG 422  
 MAP BK. 3, PG 16  
 PIN# 8-205-020

8/17/20

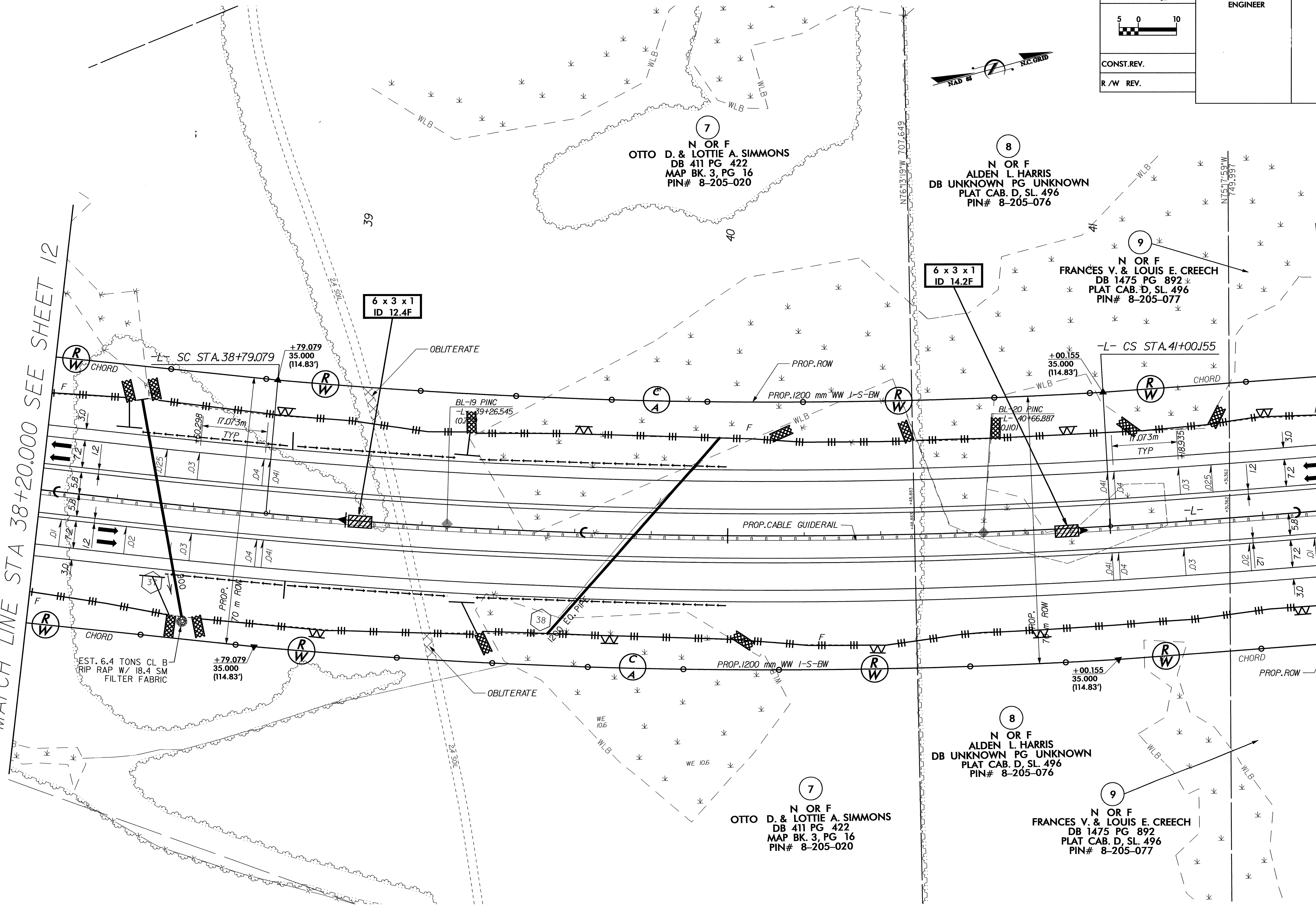
Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

NOTE: FOR -L- PROFILE SEE SHEET 47

	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-51/CONST.13
	R/W SHEET NO.	13
	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.		
R/W REV.		

MATCH LINE STA 38+20.000 SEE SHEET 12

MATCH LINE STA 41+60.000 SEE SHEET 14



7  
 N OR F  
 OTTO D. & LOTTIE A. SIMMONS  
 DB 411 PG 422  
 MAP BK. 3, PG 16  
 PIN# 8-205-020

8  
 N OR F  
 ALDEN L. HARRIS  
 DB UNKNOWN PG UNKNOWN  
 PLAT CAB. D. SL. 496  
 PIN# 8-205-076

9  
 N OR F  
 FRANCIS V. & LOUIS E. CREECH  
 DB 1475 PG 892  
 PLAT CAB. D. SL. 496  
 PIN# 8-205-077

6 x 3 x 1  
 ID 12.4F

6 x 3 x 1  
 ID 12.4F

8  
 N OR F  
 ALDEN L. HARRIS  
 DB UNKNOWN PG UNKNOWN  
 PLAT CAB. D. SL. 496  
 PIN# 8-205-076

7  
 N OR F  
 OTTO D. & LOTTIE A. SIMMONS  
 DB 411 PG 422  
 MAP BK. 3, PG 16  
 PIN# 8-205-020

9  
 N OR F  
 FRANCIS V. & LOUIS E. CREECH  
 DB 1475 PG 892  
 PLAT CAB. D. SL. 496  
 PIN# 8-205-077

EST. 6.4 TONS CL B  
 RIP RAP W/ 18.4 SM  
 FILTER FABRIC


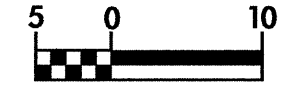
WE 10.6

WE 10.6

WE 10.6

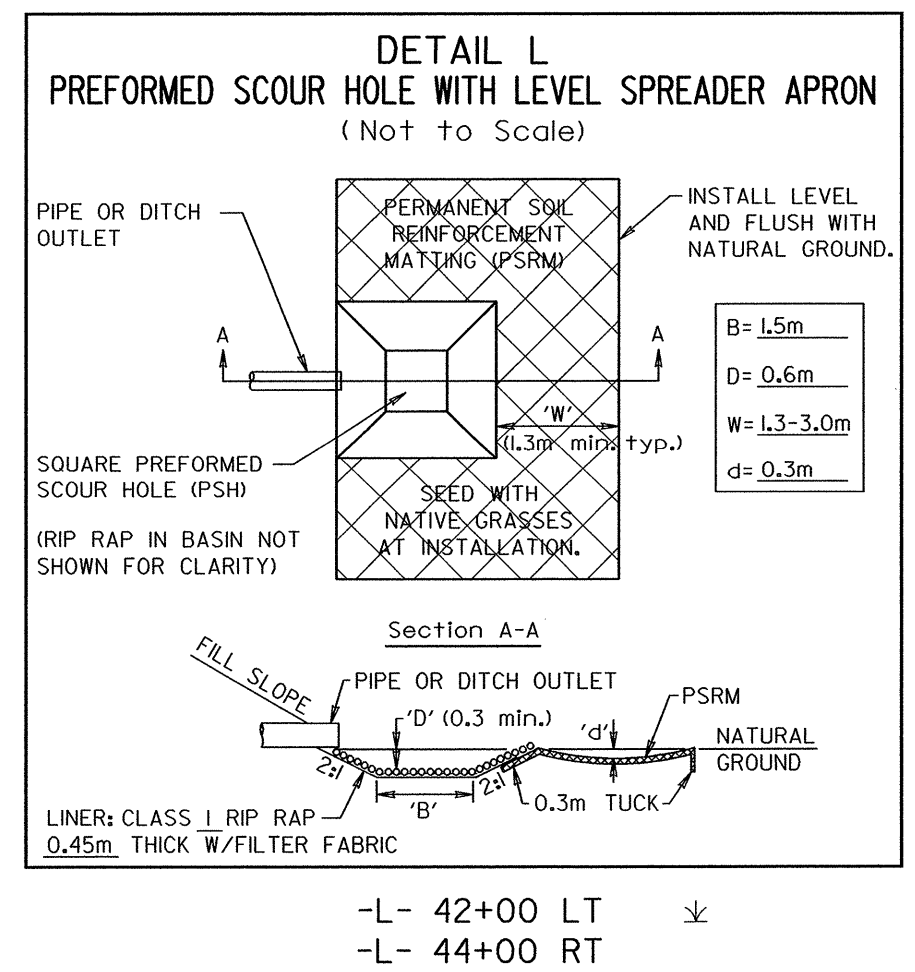
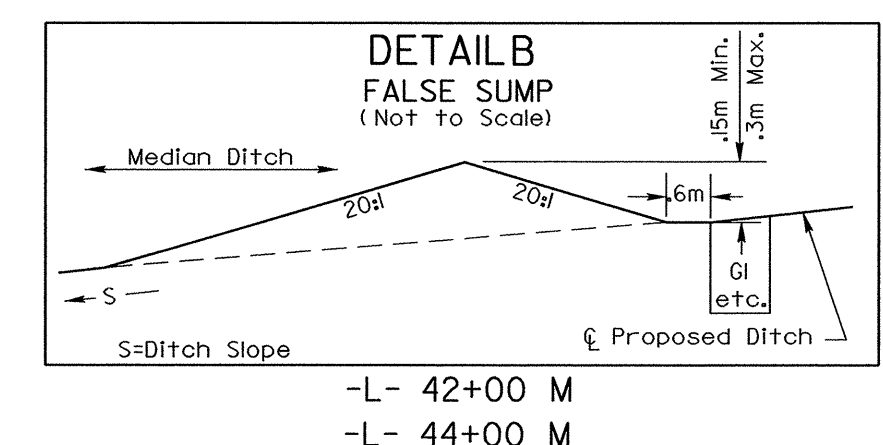
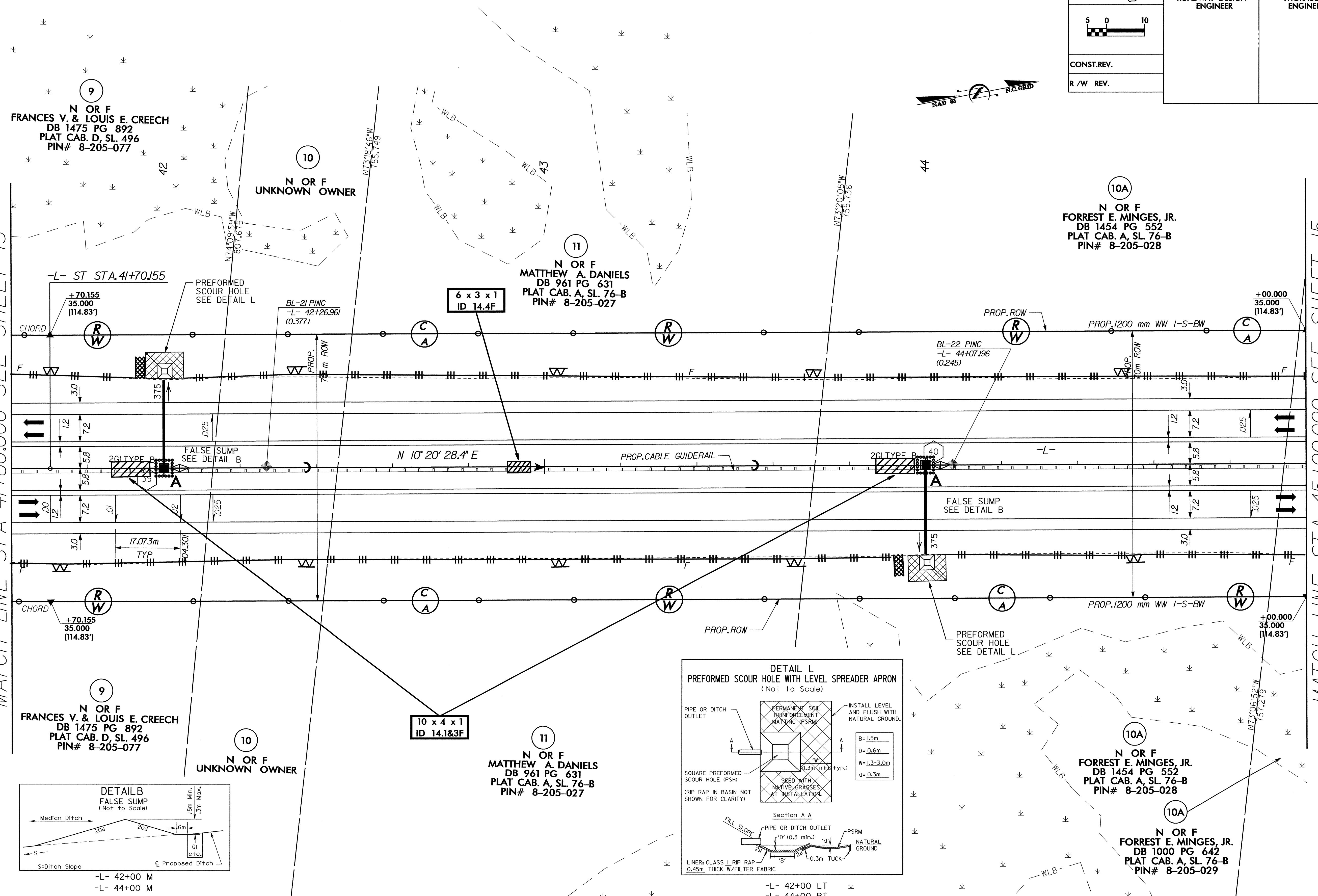
WE 10.6

8/17/99

  CONST. REV.	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-52/CONST.14
ROADWAY DESIGN ENGINEER	R/W SHEET NO. 14	
	HYDRAULICS ENGINEER	
R/W REV.		

MATCH LINE STA 41+60.000 SEE SHEET 13

MATCH LINE STA 45+00.000 SEE SHEET 15



8/17/99

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

**METRIC**

PROJECT REFERENCE NO. R-2301A SHEET NO. EC-53/CONST.15

R/W SHEET NO. 15

ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

CONST. REV.

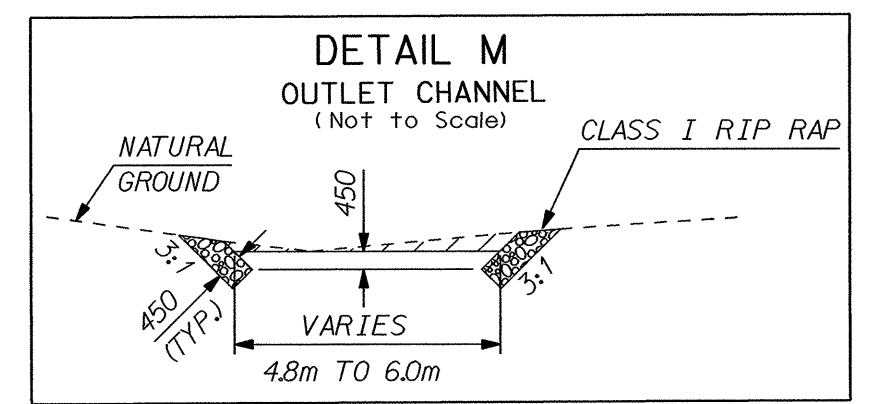
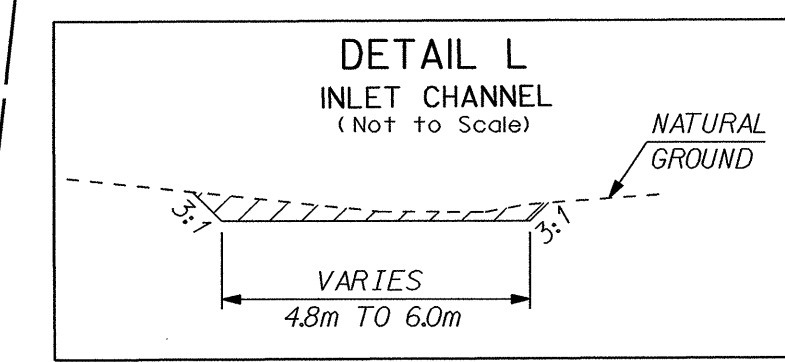
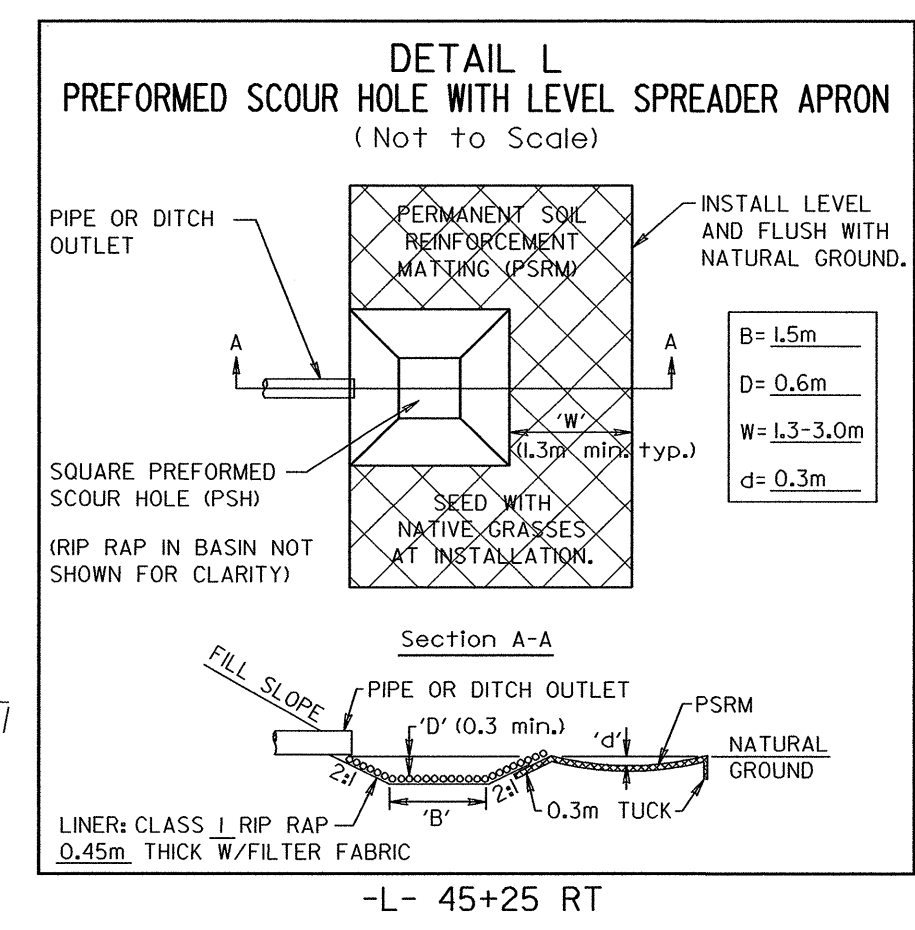
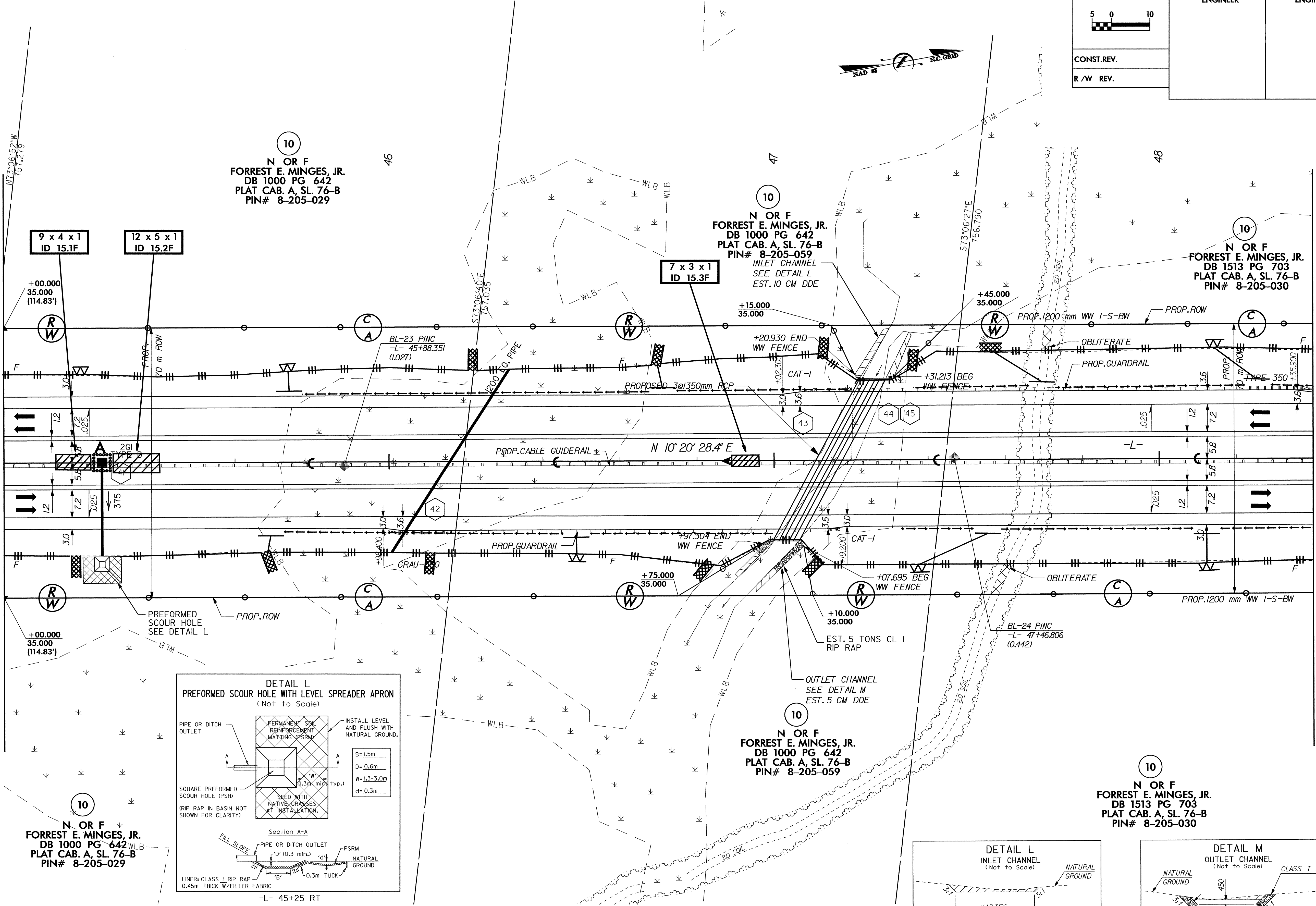
R/W REV.

5 0 10

NAD 83 N.C. GRID

MATCH LINE STA. 45+00.000 SEE SHEET 14

MATCH LINE STA. 48+40.000 SEE SHEET 16




10  
 N OR F  
 FORREST E. MINGES, JR.  
 DB 1000 PG 642  
 PLAT CAB. A, SL. 76-B  
 PIN# 8-205-029

10  
 N OR F  
 FORREST E. MINGES, JR.  
 DB 1000 PG 642  
 PLAT CAB. A, SL. 76-B  
 PIN# 8-205-059

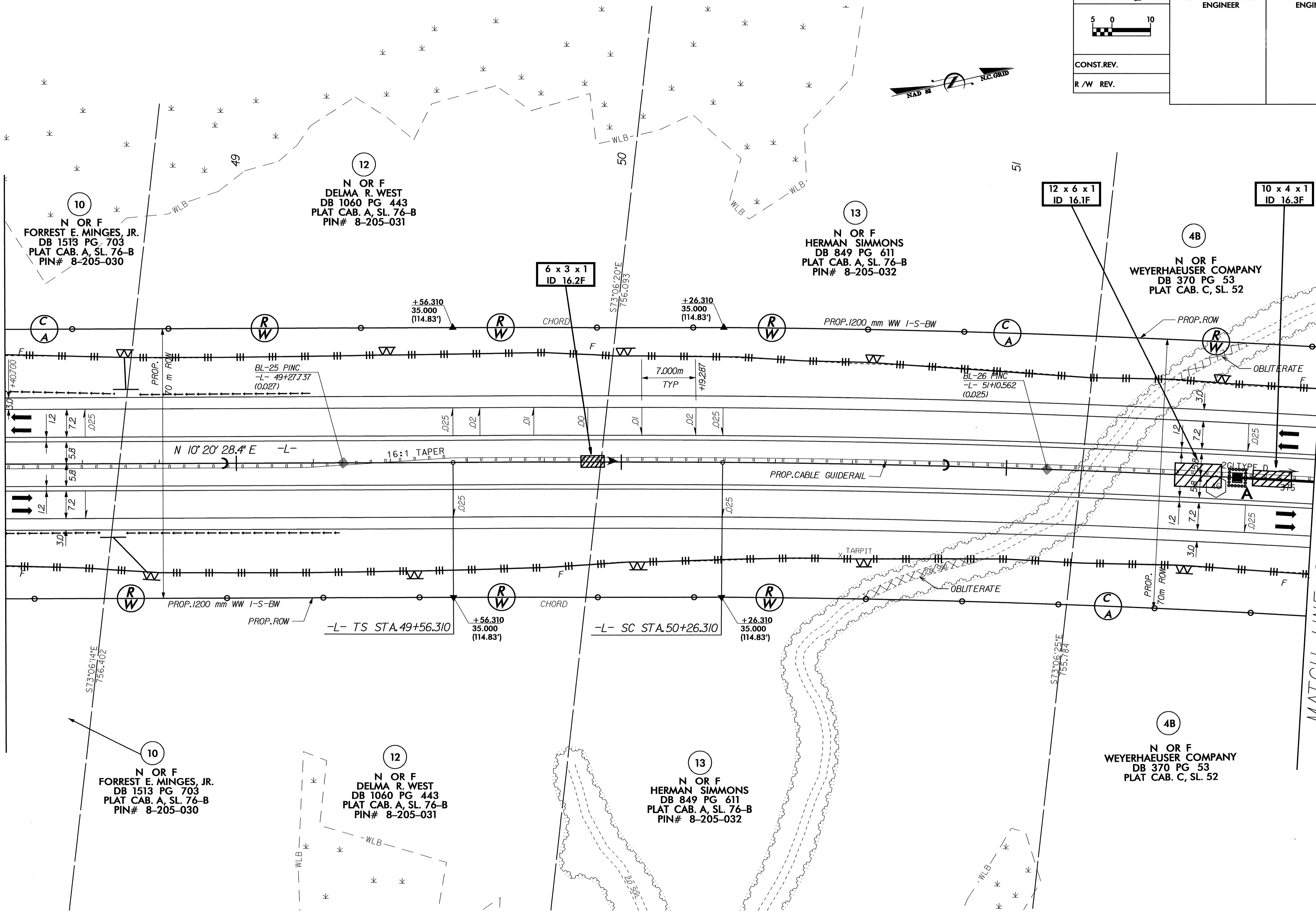
10  
 N OR F  
 FORREST E. MINGES, JR.  
 DB 1513 PG 703  
 PLAT CAB. A, SL. 76-B  
 PIN# 8-205-030

8/17/05

	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-54/CONST.16
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
CONST. REV.		
R/W REV.		

MATCH LINE STA. 48+40.000 SEE SHEET 15

MATCH LINE STA 51+80.000 SEE SHEET 17



10  
N OR F  
FORREST E. MINGES, JR.  
DB 1513 PG. 703  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-030

12  
N OR F  
DELMA R. WEST  
DB 1060 PG. 443  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-031

13  
N OR F  
HERMAN SIMMONS  
DB 849 PG. 611  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-032

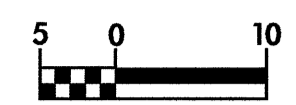
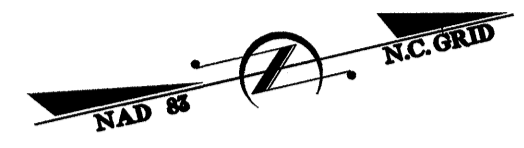
4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG. 53  
PLAT CAB. C, SL. 52

10  
N OR F  
FORREST E. MINGES, JR.  
DB 1513 PG. 703  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-030



12  
N OR F  
DELMA R. WEST  
DB 1060 PG. 443  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-031

13  
N OR F  
HERMAN SIMMONS  
DB 849 PG. 611  
PLAT CAB. A, SL. 76-B  
PIN# 8-205-032

4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG. 53  
PLAT CAB. C, SL. 52

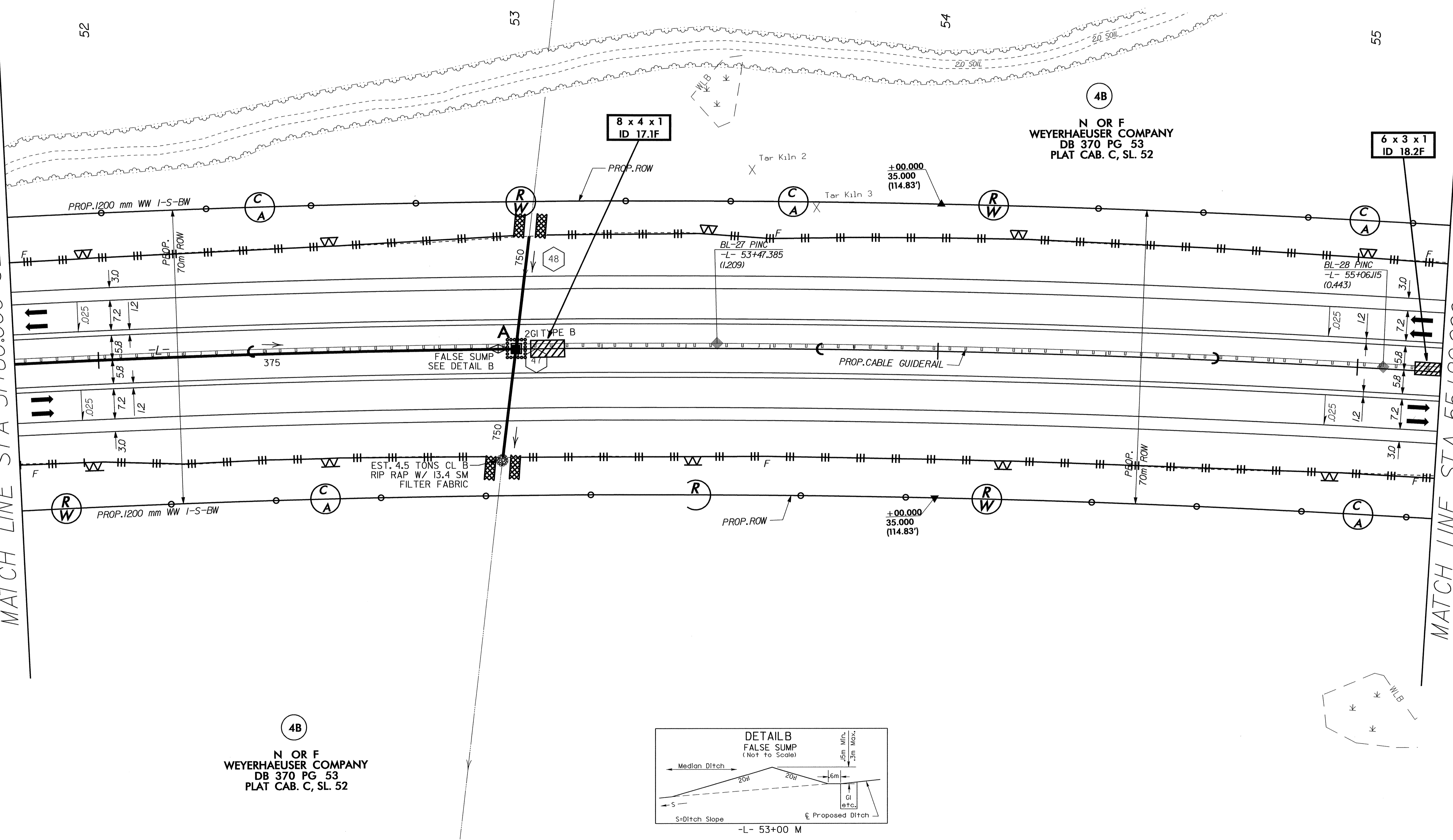


8/17/95

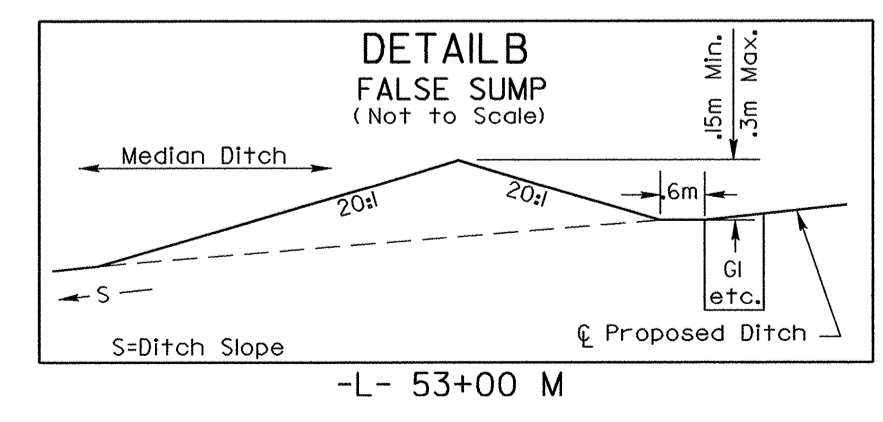
  CONST. REV. R/W REV.	PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-55/CONST.17
	ROADWAY DESIGN ENGINEER	R/W SHEET NO. 17

MATCH LINE STA 51+80.000 SEE SHEET 16

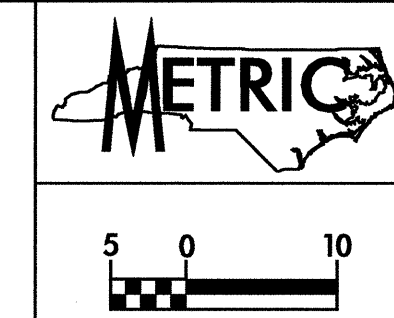
MATCH LINE STA 55+20.000 SEE SHEET 18



4B  
 N OR F  
 WEYERHAEUSER COMPANY  
 DB 370 PG 53  
 PLAT CAB. C, SL. 52



8/17/95



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-56/CONST.18
R/W SHEET NO. 18	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

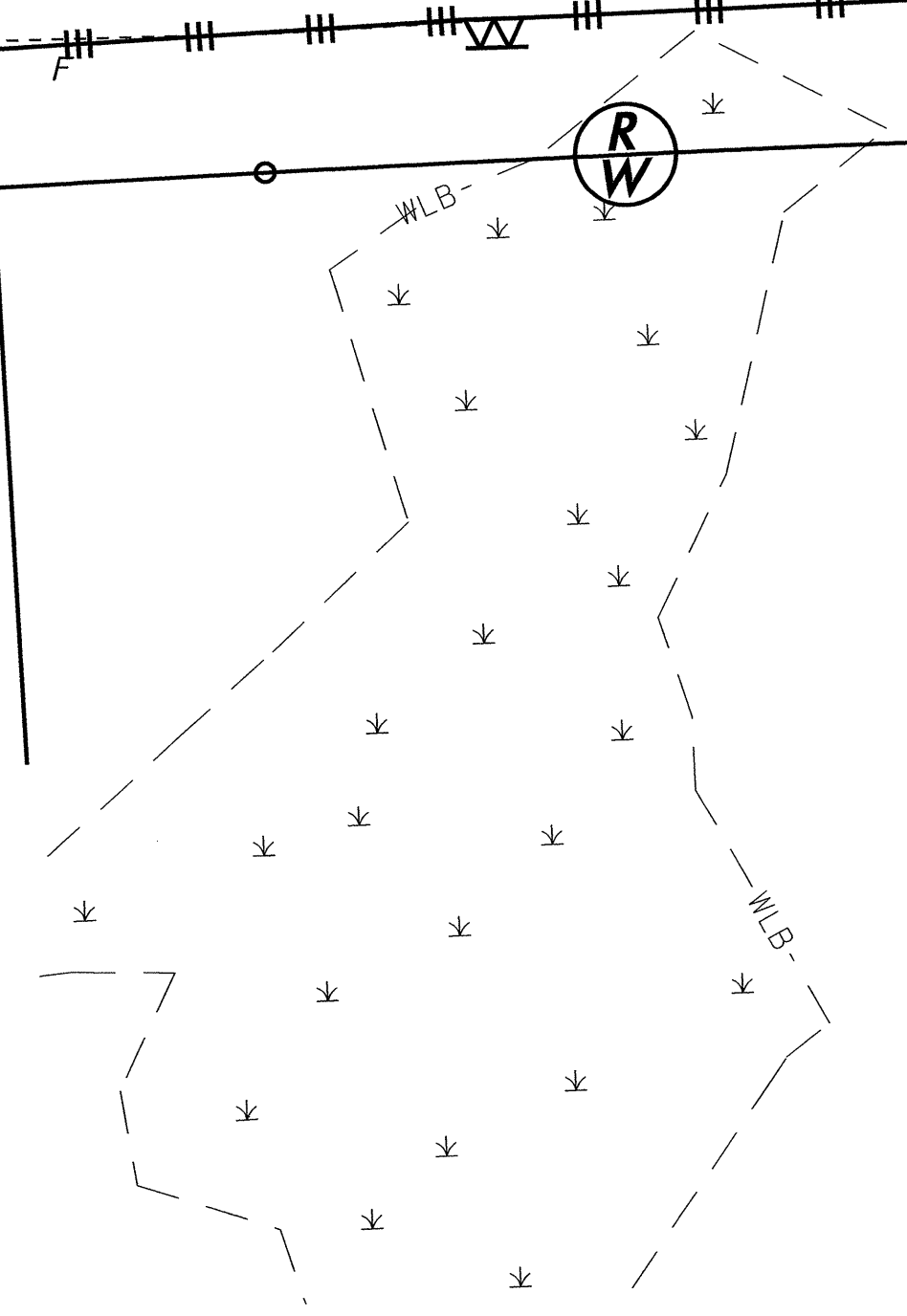
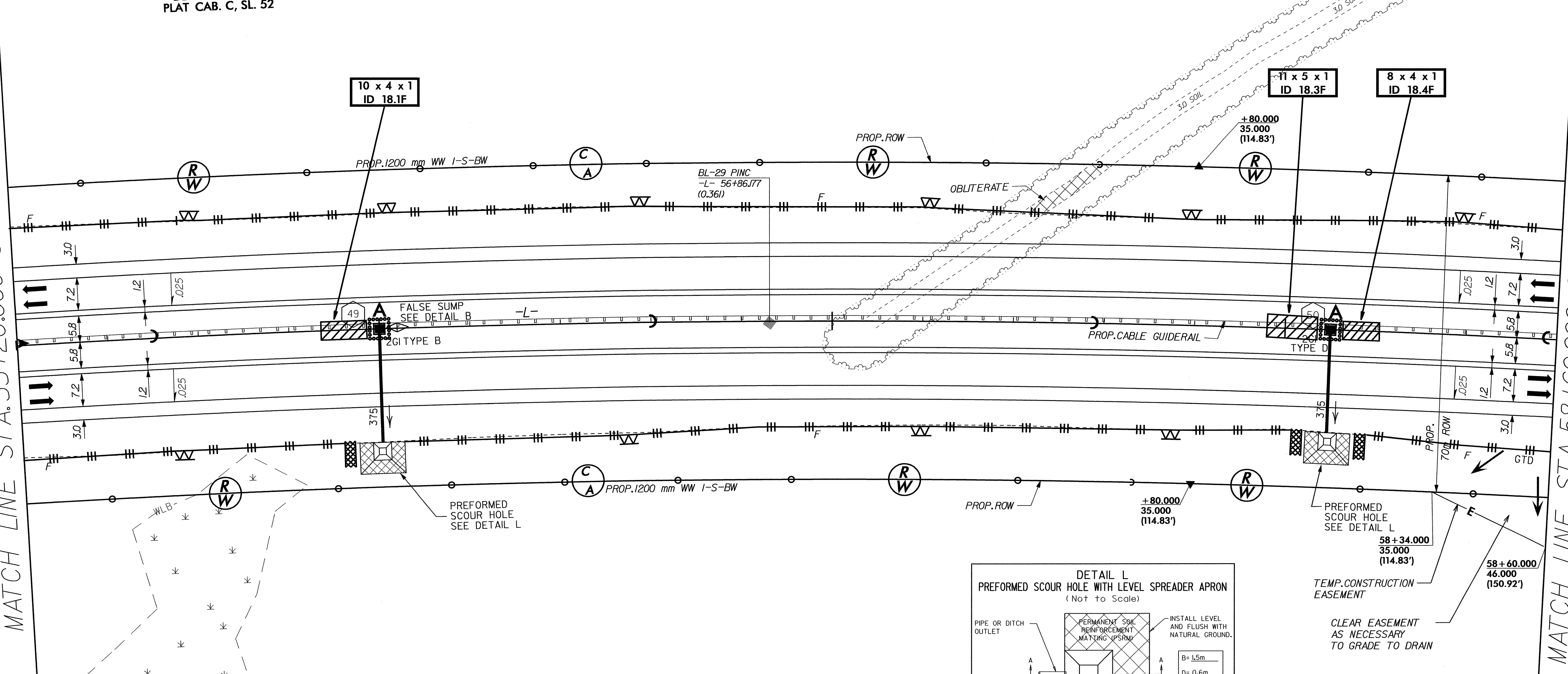
56

57

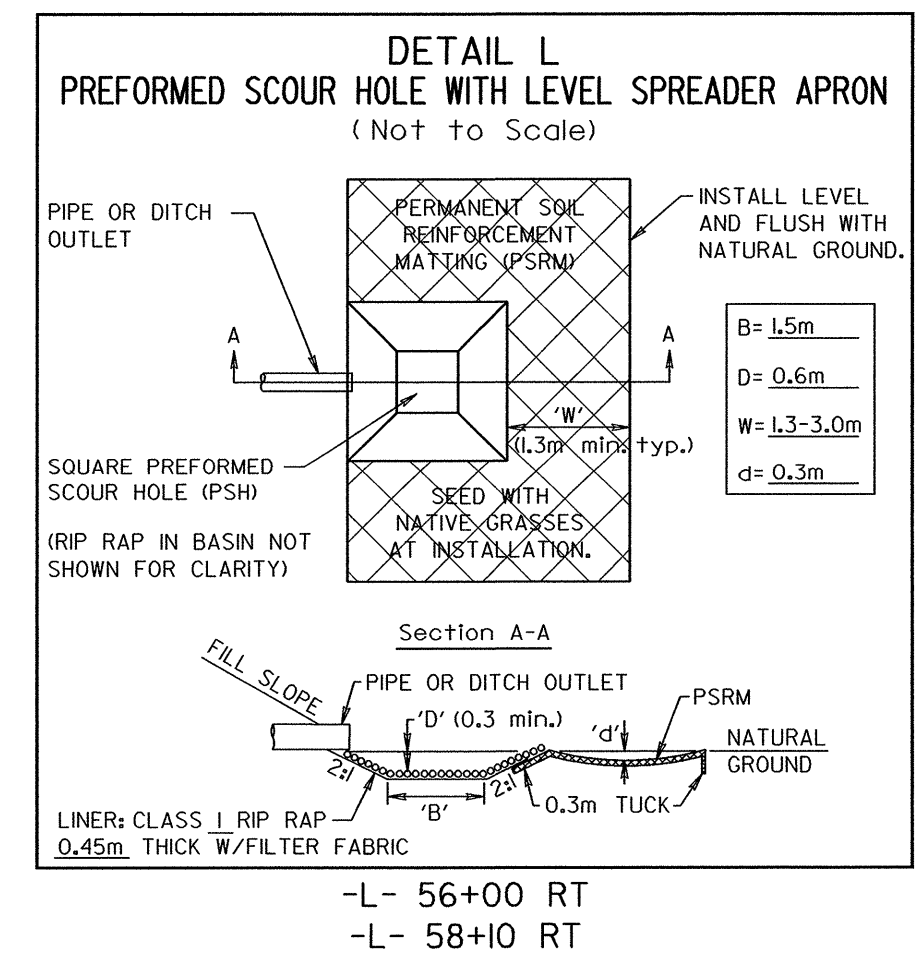
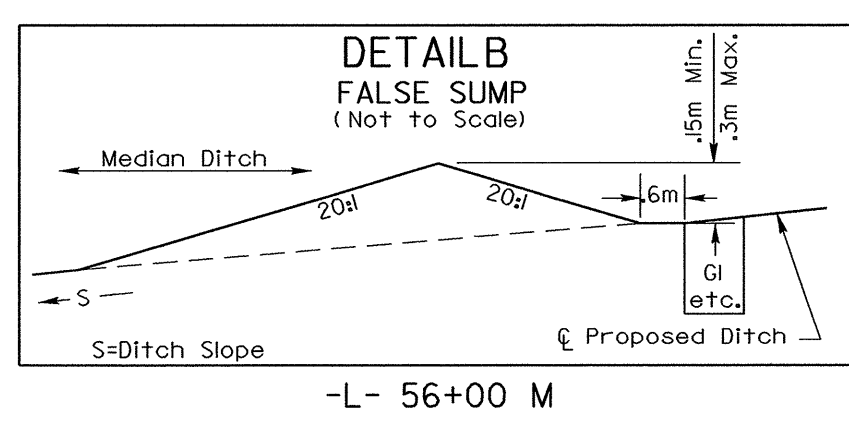
58

MATCH LINE STA. 55+20.000 SEE SHEET 17

MATCH LINE STA. 58+60.000 SEE SHEET 19



4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52


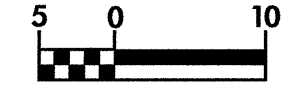


TEMP. CONSTRUCTION EASEMENT

CLEAR EASEMENT AS NECESSARY TO GRADE TO DRAIN

8/17/99

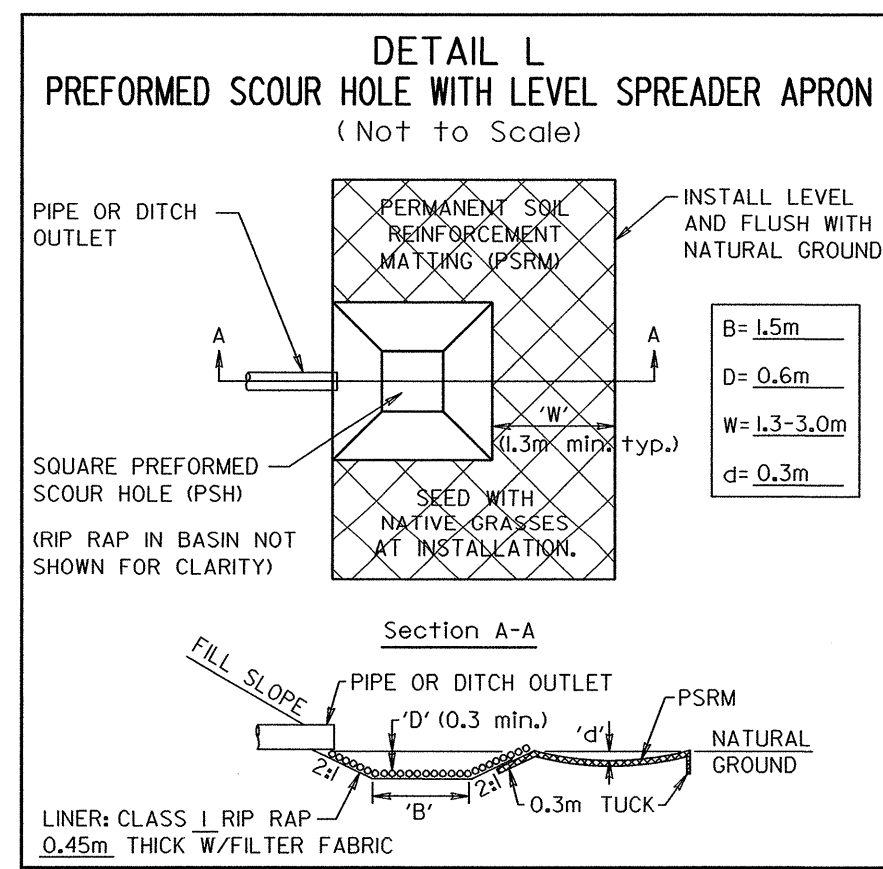
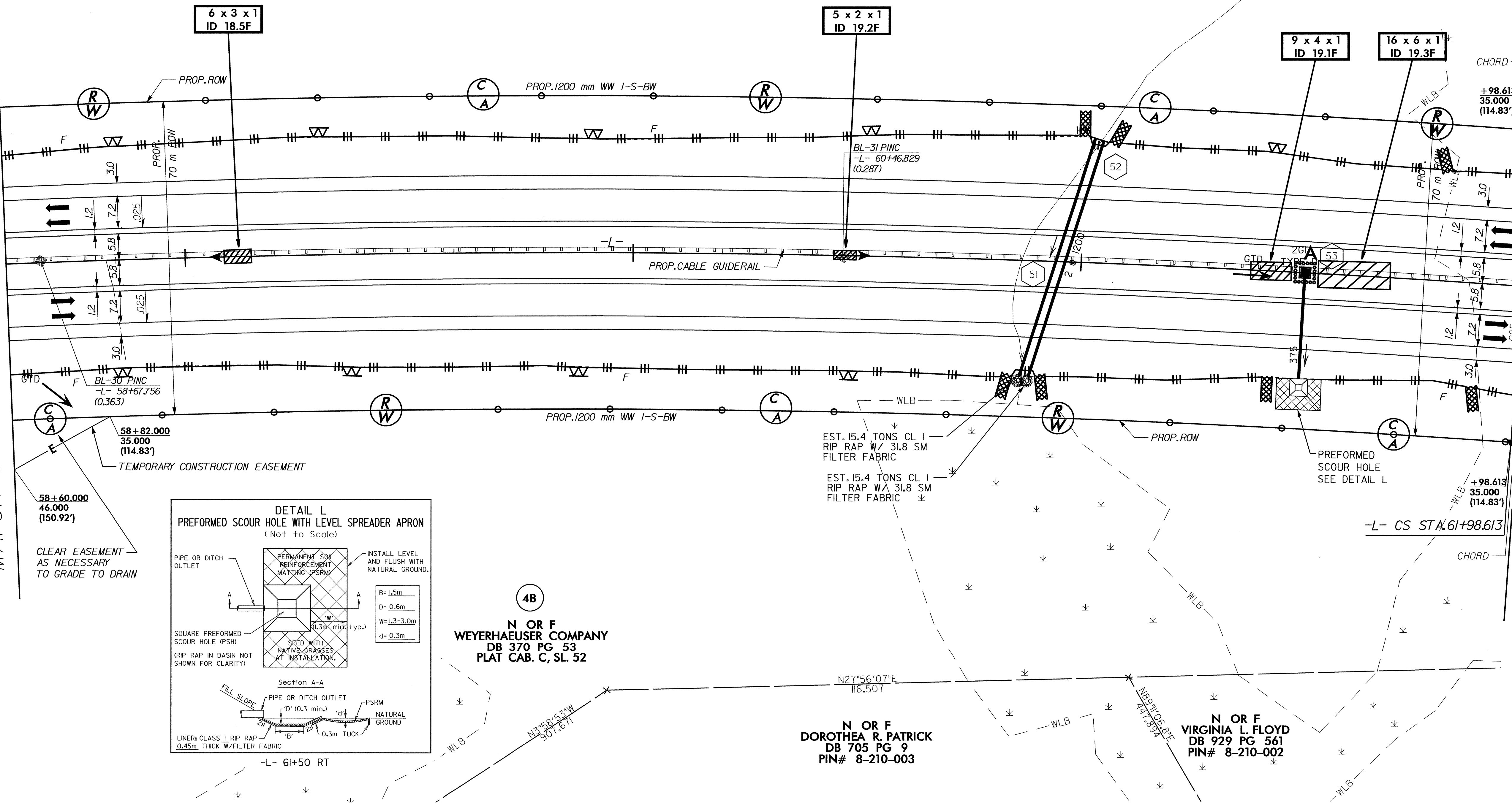
Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

  CONST. REV. R/W REV.	PROJECT REFERENCE NO. R-230/A	SHEET NO. EC-57/CONST.19
	R/W SHEET NO. 19	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	

4B  
 N OR F  
 WEYERHAEUSER COMPANY  
 DB 370 PG 53  
 PLAT CAB. C, SL. 52

MATCH LINE STA. 58+60.000 SEE SHEET 18

MATCH LINE STA. 62+00.000 SEE SHEET 20



4B  
 N OR F  
 WEYERHAEUSER COMPANY  
 DB 370 PG 53  
 PLAT CAB. C, SL. 52

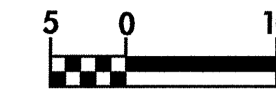
N OR F  
 DOROTHEA R. PATRICK  
 DB 705 PG 9  
 PIN# 8-210-003

N OR F  
 VIRGINIA L. FLOYD  
 DB 929 PG 561  
 PIN# 8-210-002



8/17/23

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



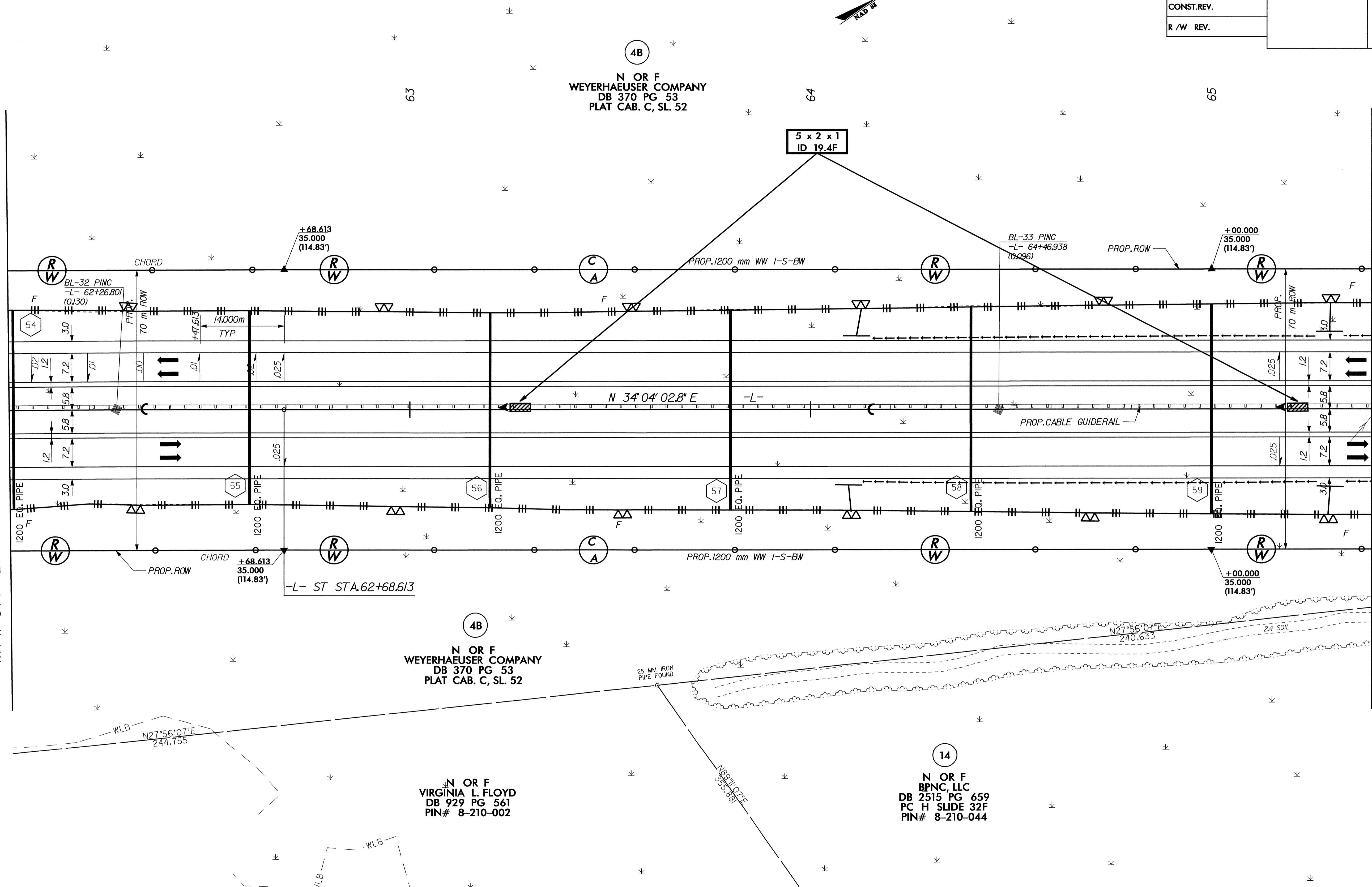
CONST.REV.

R/W REV.

PROJECT REFERENCE NO. R-230/A	SHEET NO. EC-58/CONST.20
R/W SHEET NO. 20	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCH LINE STA. 62+00.000 SEE SHEET 19

MATCH LINE STA. 65+40.000 SEE SHEET 21



4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

N OR F  
VIRGINIA L. FLOYD  
DB 929 PG 561  
PIN# 8-210-002

14  
N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044

WLB  
N27°56'07"E  
244.755

WLB

25 MM IRON PIPE FOUND  
N82°10'15"E  
335.381

N27°56'07"E  
240.633

-L- ST STA. 62+68.613

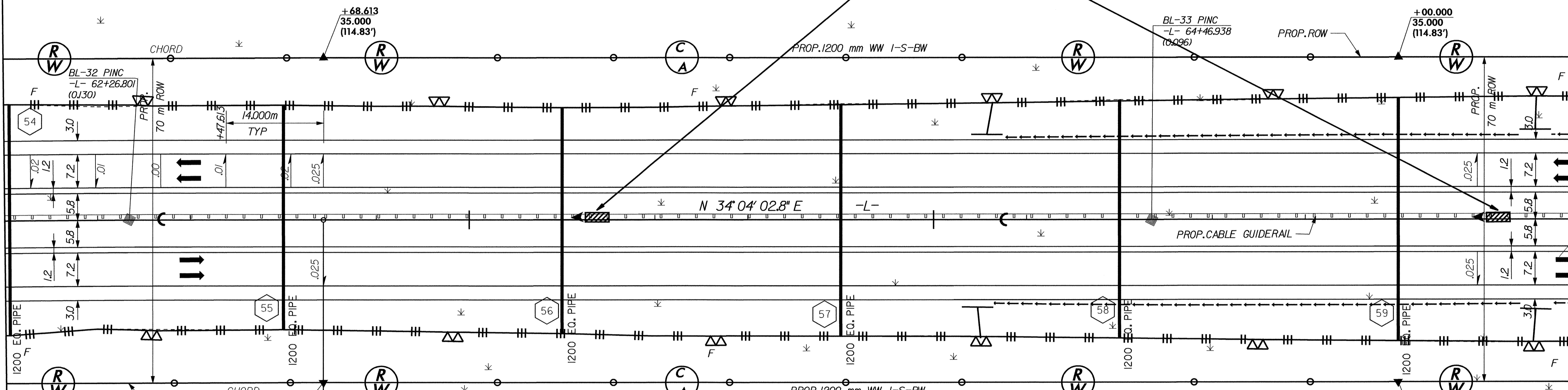
+00.000  
35.000  
(114.83')

+68.613  
35.000  
(114.83')

BL-33 PINC  
-L- 64+46.938  
(0.096)

BL-32 PINC  
-L- 62+26.801  
(0.130)

N 34°04'02.8" E



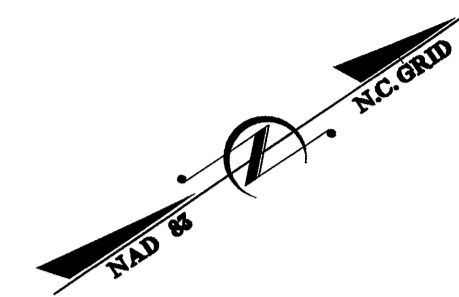
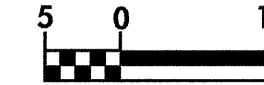
5 x 2 x 1  
ID 19.4F

8/17/23

Place Matting for Erosion Control  
on Slopes Adjacent to Permitted  
Wetlands as Work Allows.

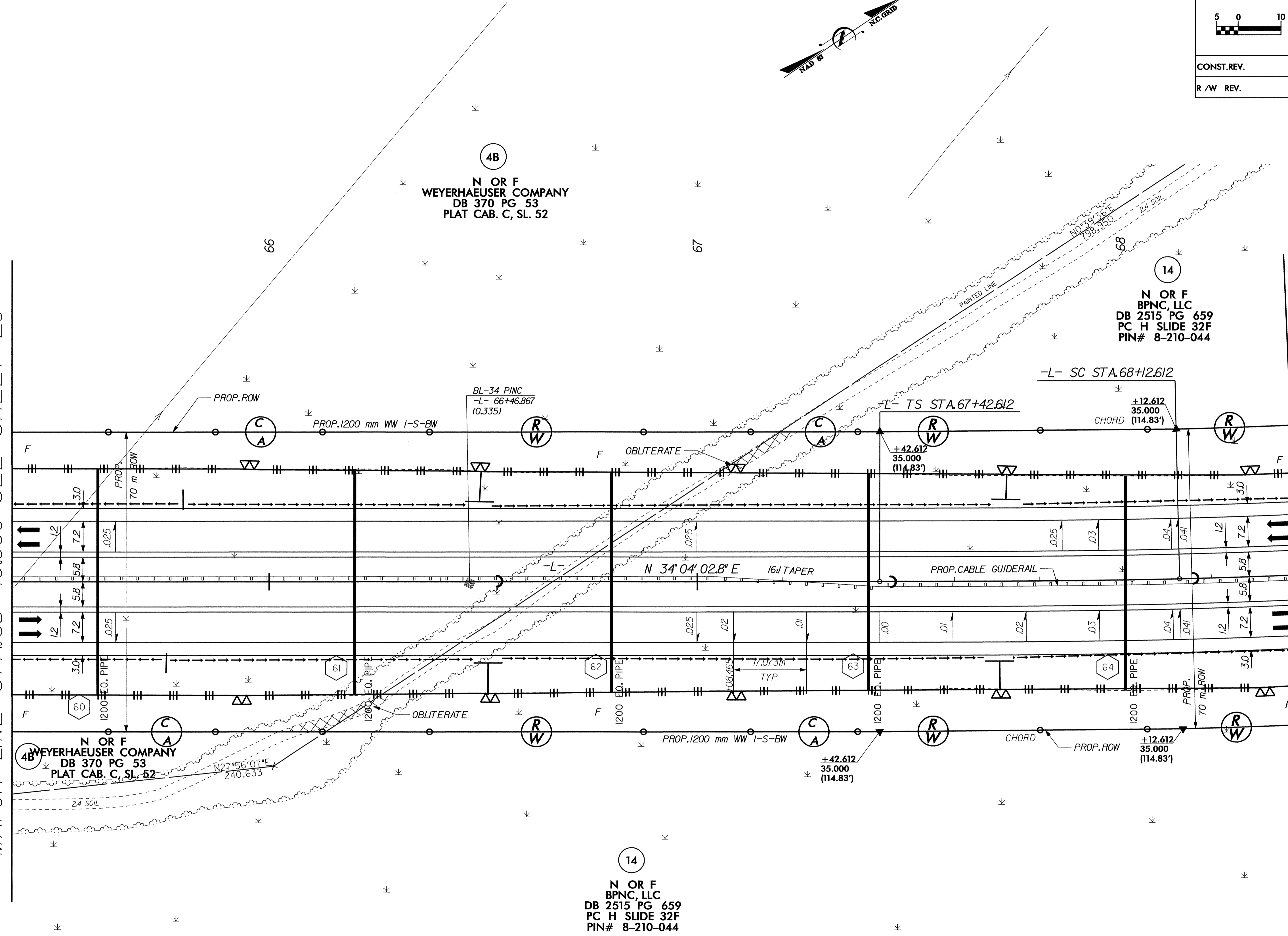


PROJECT REFERENCE NO. <i>R-2301A</i>		SHEET NO. <i>EC-59/CONST.21</i>	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
CONST.REV.		R/W REV.	



MATCH LINE STA. 65+40.000 SEE SHEET 20

MATCH LINE STA. 68+40.000 SEE SHEET 22



14  
N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044

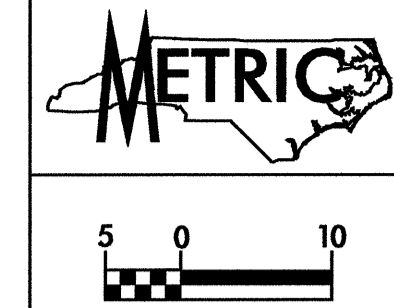
4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

14  
N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044

4B  
N OR F  
WEYERHAEUSER COMPANY  
DB 370 PG 53  
PLAT CAB. C, SL. 52

8/17/09

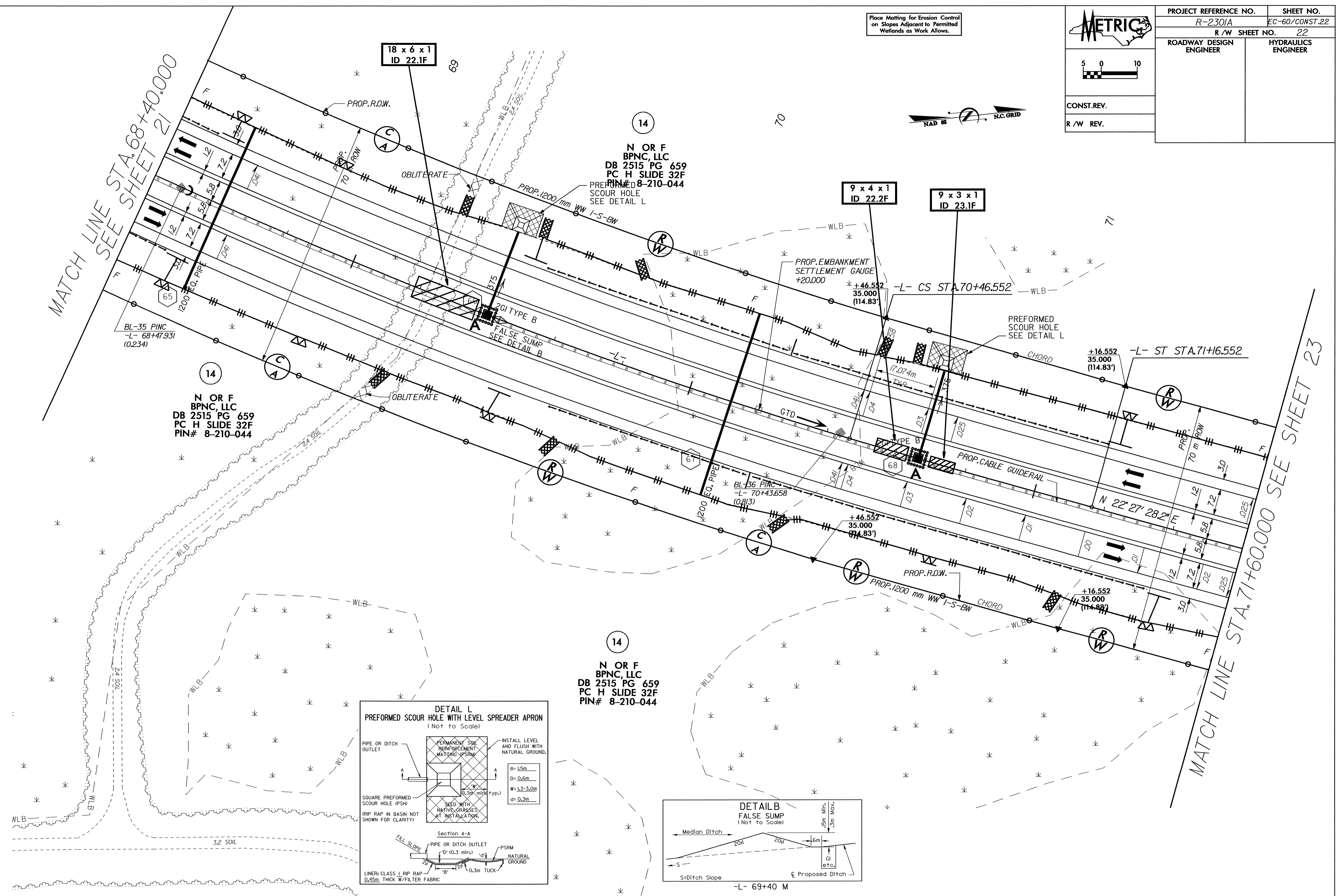
Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-60/CONST.22
R/W SHEET NO. 22	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

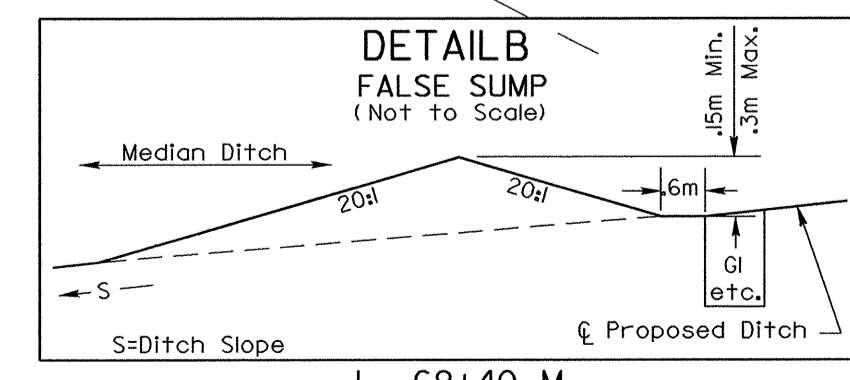
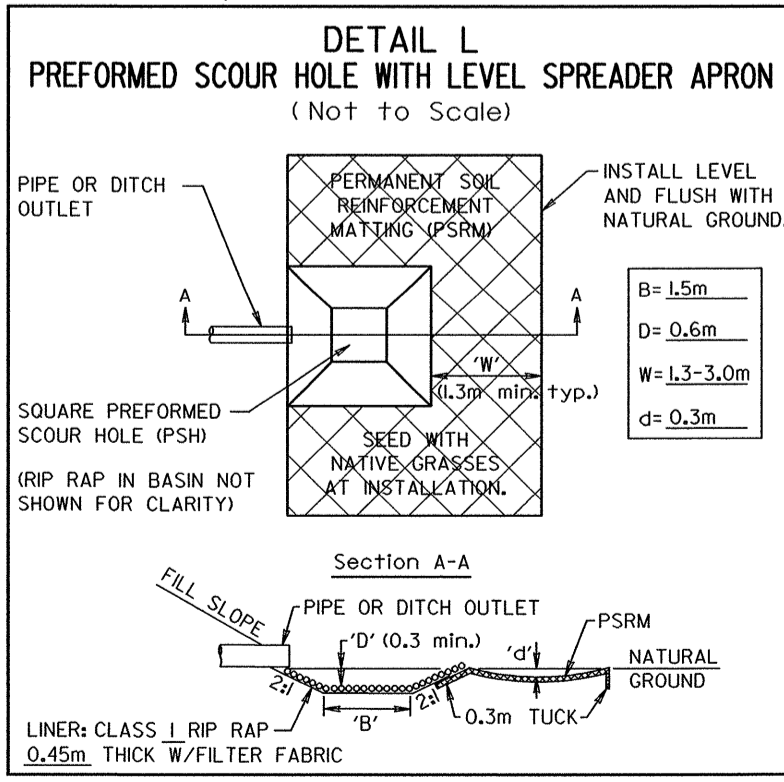
MATCH LINE SEE SHEET STA. 68+40.000

MATCH LINE STA. 71+60.000 SEE SHEET 23



N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044

N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044



-L- 69+40 LT  
-L- 70+66 LT

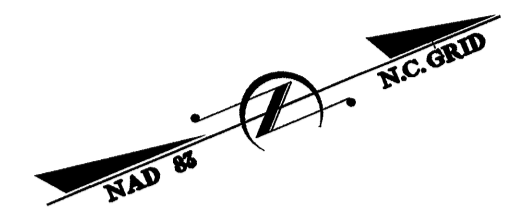
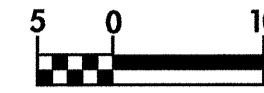
-L- 69+40 M

8/17/99

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

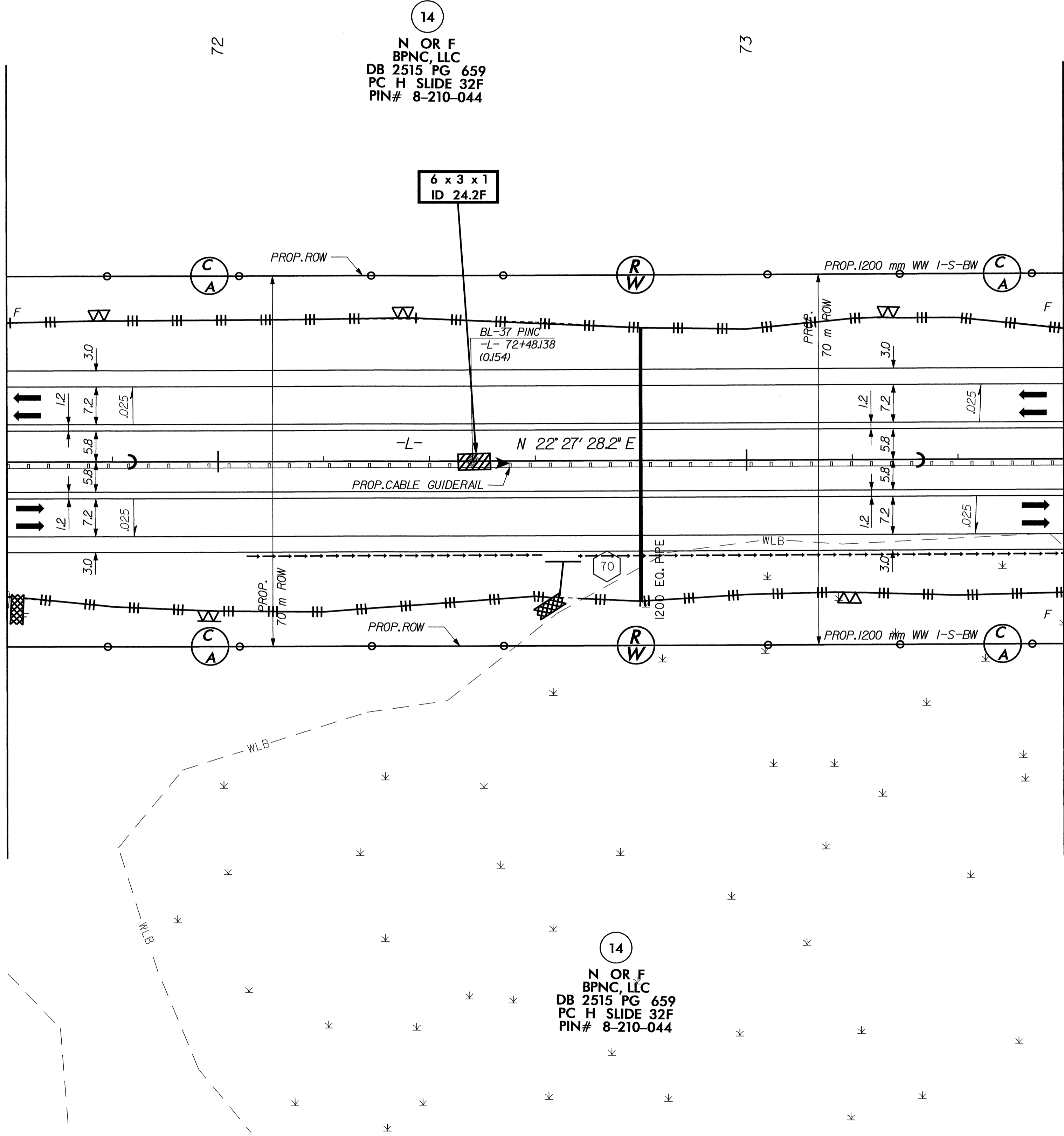


PROJECT REFERENCE NO.	SHEET NO.
R-2301A	EC-61/CONST.23
R/W SHEET NO. 23	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	



MATCH LINE STA. 71+60.000 SEE SHEET 22

MATCH LINE STA. 73+60.000 SEE SHEET 24



14  
 N. OR. F.  
 BPNC, LLC  
 DB 2515 PG 659  
 PC H SLIDE 32F  
 PIN# 8-210-044

14  
 N. OR. F.  
 BPNC, LLC  
 DB 2515 PG 659  
 PC H SLIDE 32F  
 PIN# 8-210-044

8/17/99

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

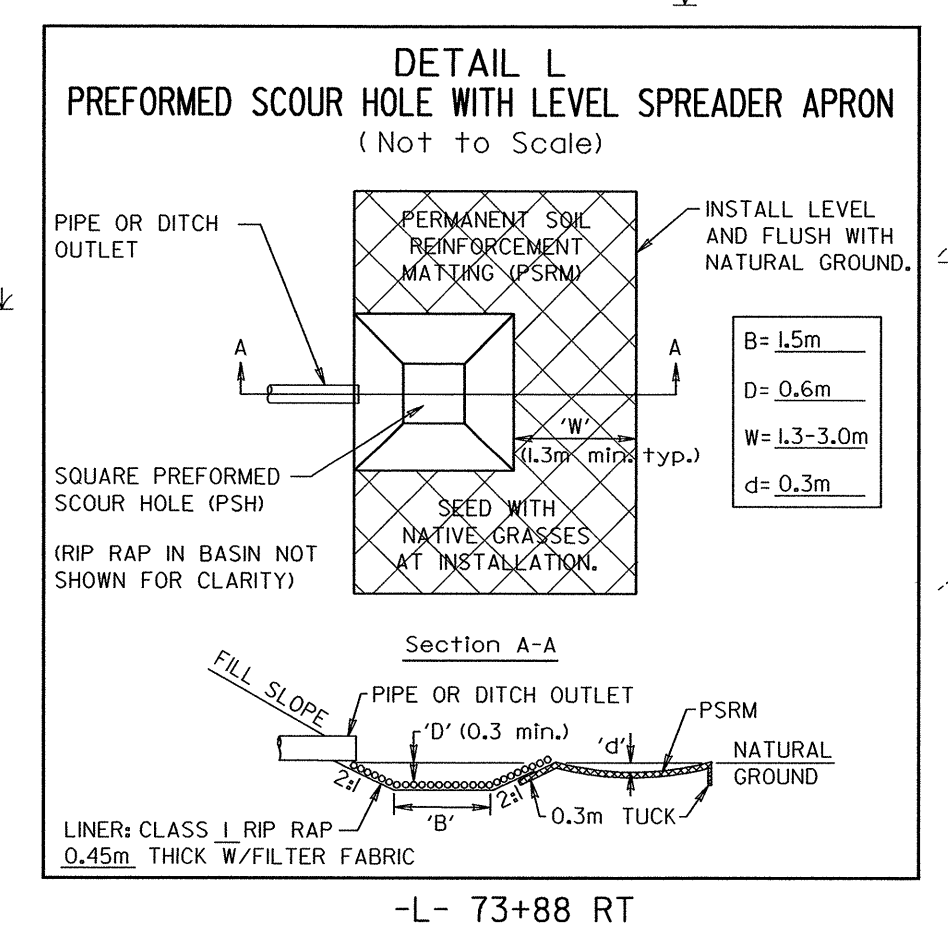
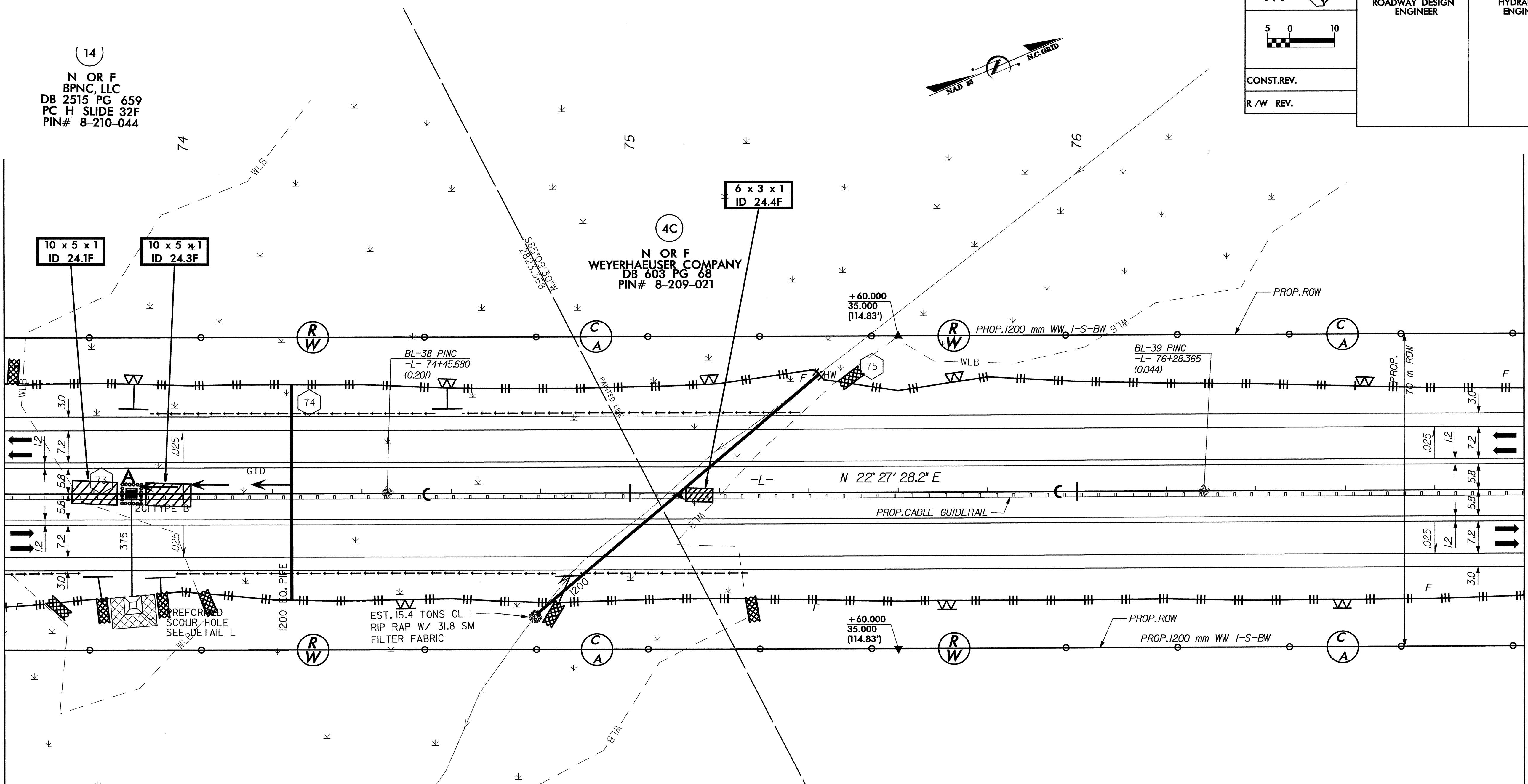
**METRIC**

CONST. REV.  
R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-62/CONST.24
R/W SHEET NO. 24	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCH LINE STA. 73+60.000 SEE SHEET 23


MATCH LINE STA. 77+00.000 SEE SHEET 25



14  
N OR F  
BPNC, LLC  
DB 2515 PG 659  
PC H SLIDE 32F  
PIN# 8-210-044

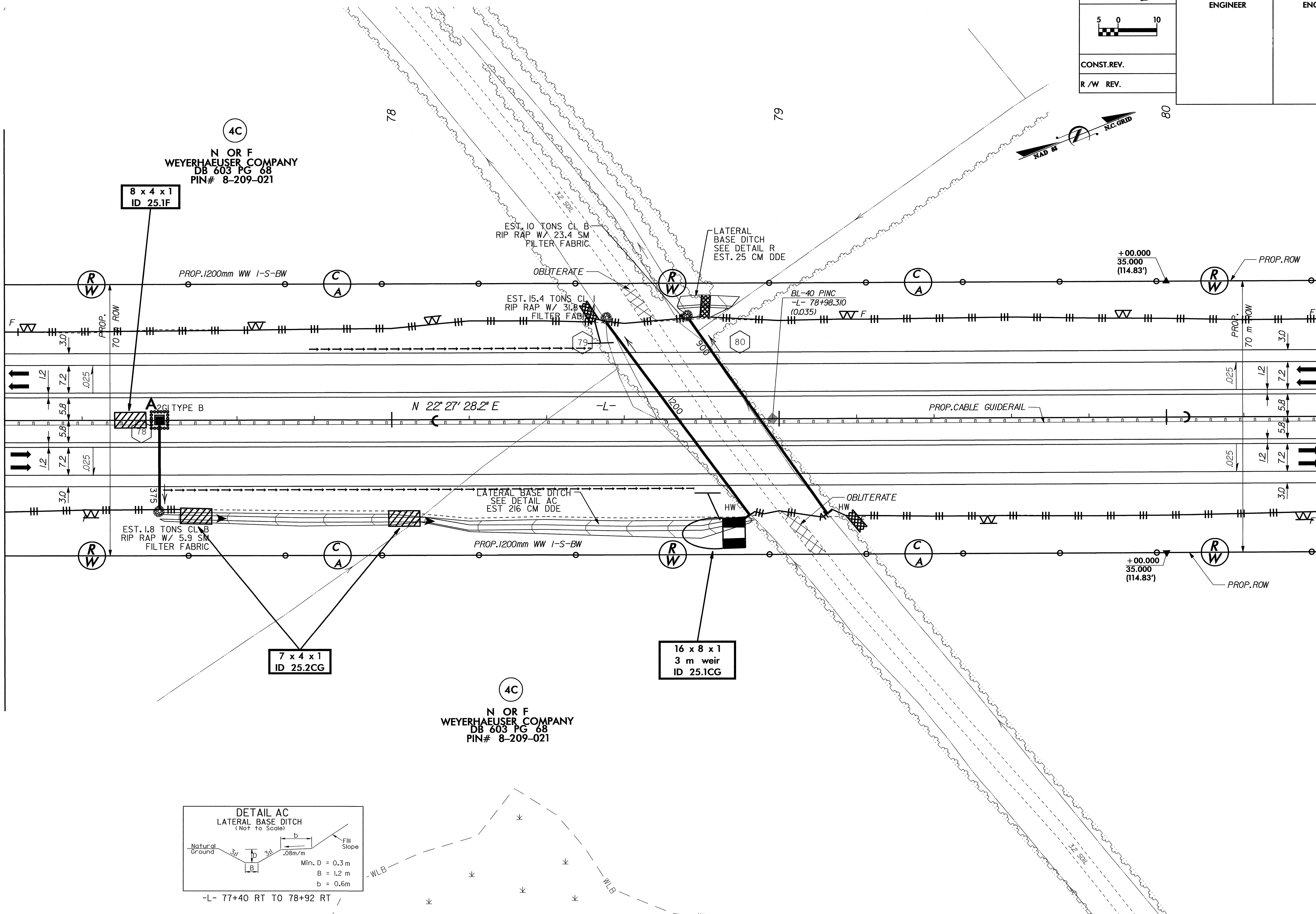
4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

8/17/25

	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-63/CONST.25
	R/W SHEET NO.	25
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
CONST. REV.		
R/W REV.		

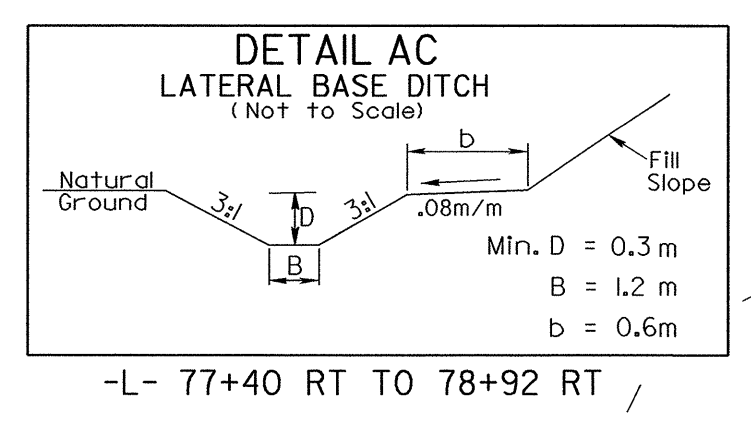
MATCH LINE STA. 77+00.000 SEE SHEET 24

MATCH LINE STA. 80+40.000 SEE SHEET 26


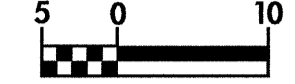


4C  
 N OR F  
 WEYERHAEUSER COMPANY  
 DB 603 PG 68  
 PIN# 8-209-021

4C  
 N OR F  
 WEYERHAEUSER COMPANY  
 DB 603 PG 68  
 PIN# 8-209-021



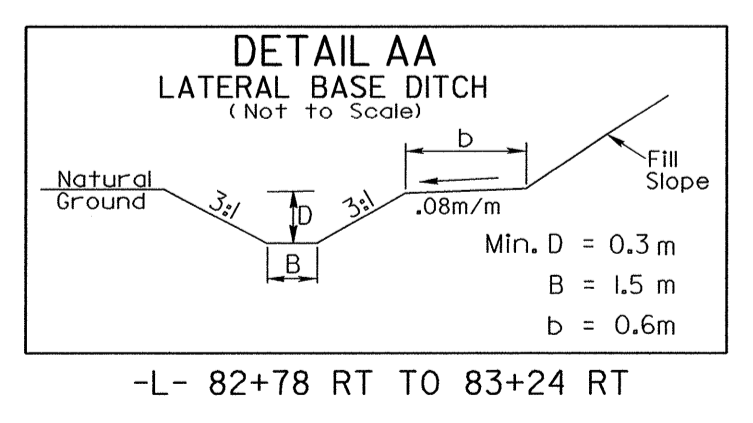
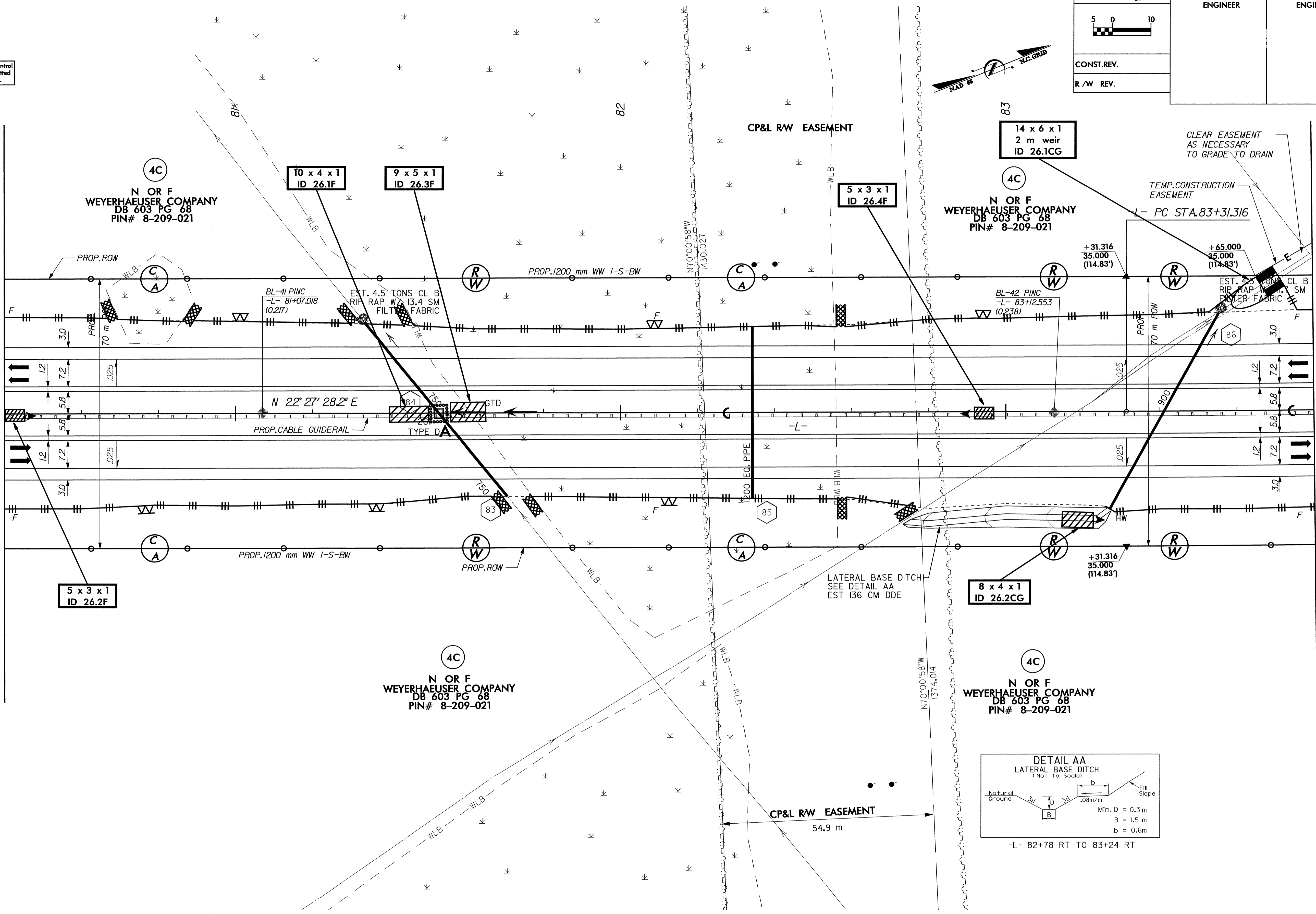
8/17/09

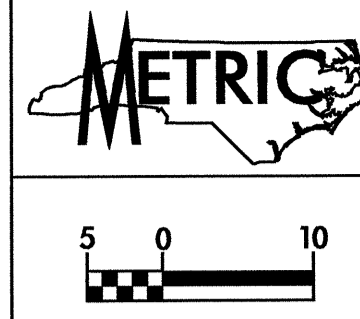
	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-64/CONST.26
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
R/W SHEET NO. 26		
		
CONST. REV.		
R/W REV.		

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

MATCH LINE STA. 80+40.000 SEE SHEET 25

MATCH LINE STA. 83+80.000 SEE SHEET 27

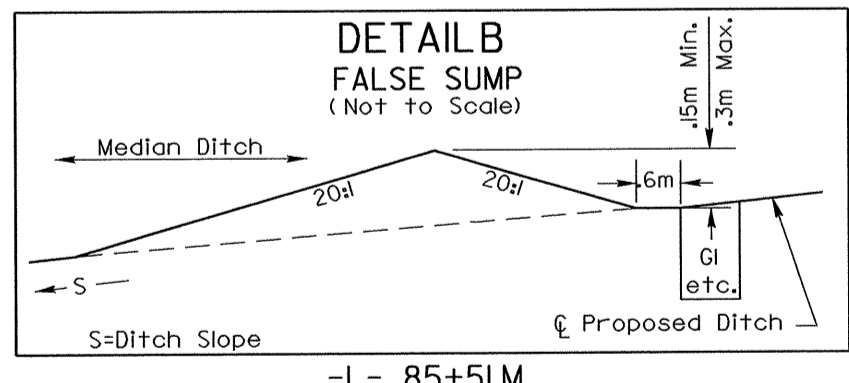
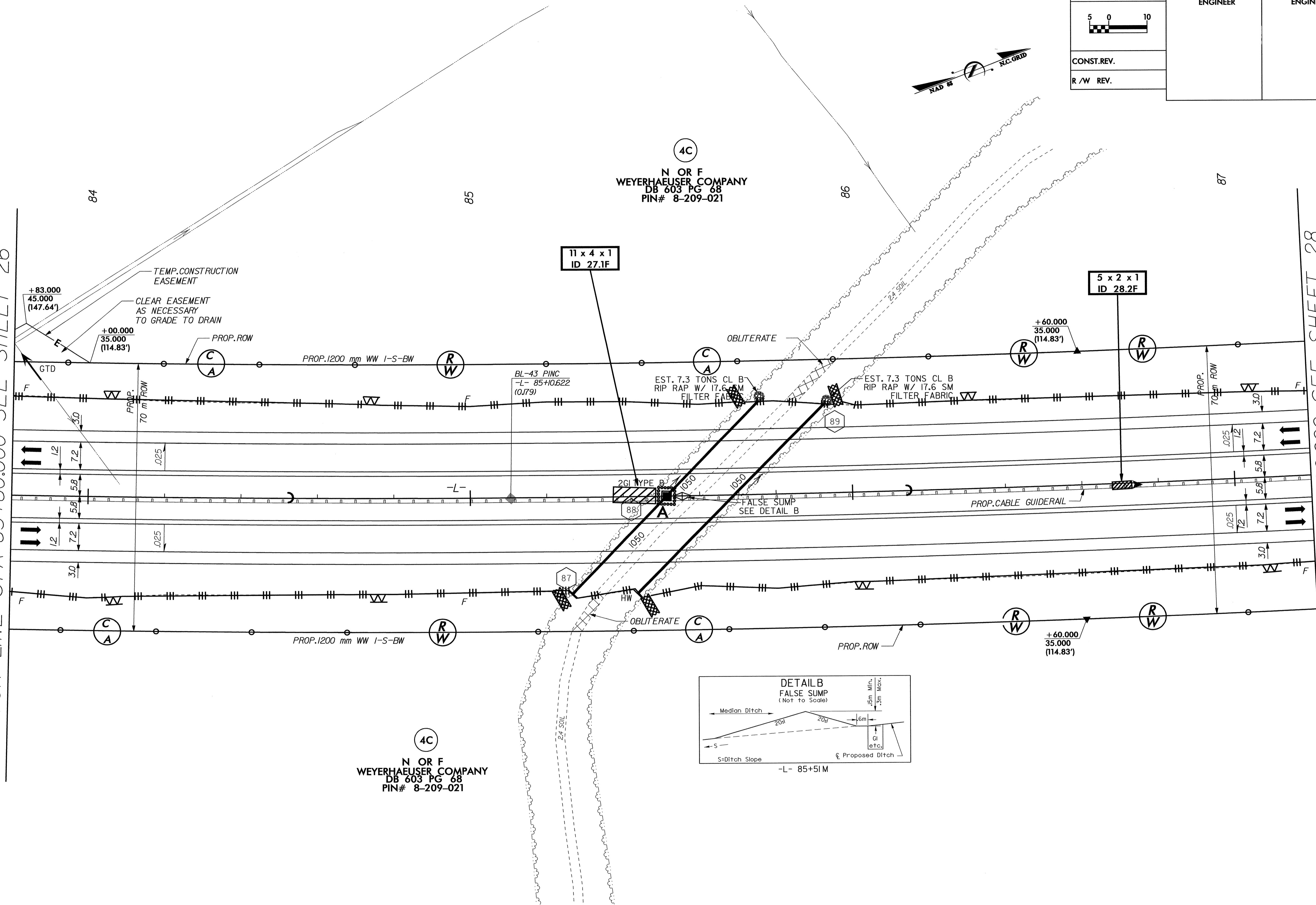




PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-65/CONST.27
R/W SHEET NO. 27	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	

MATCH LINE STA 83+80.000 SEE SHEET 26

MATCH LINE STA. 87+20.000 SEE SHEET 28



4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021



8/17/99

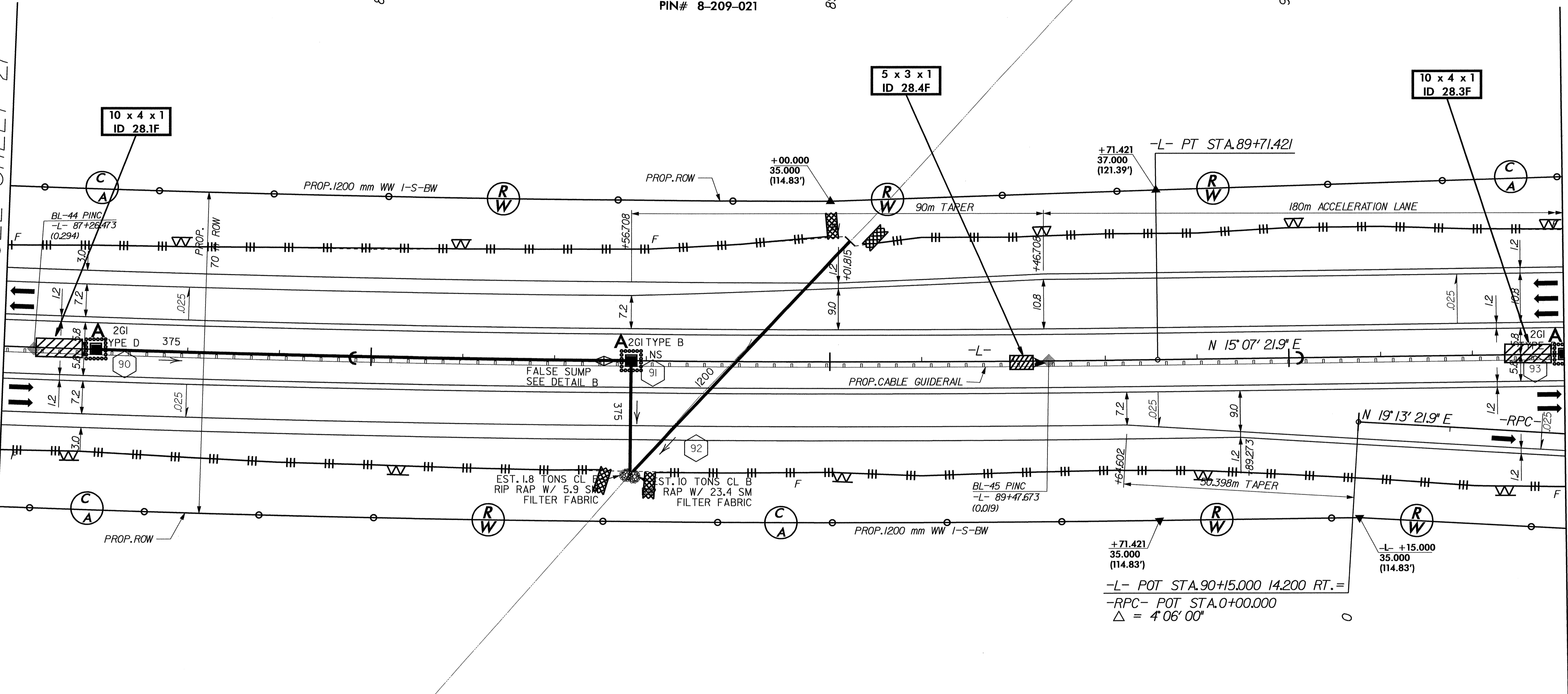
CONST. REV.  
R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-66/CONST.28
R/W SHEET NO. 28	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

MATCH LINE STA. 87+20.000 SEE SHEET 27

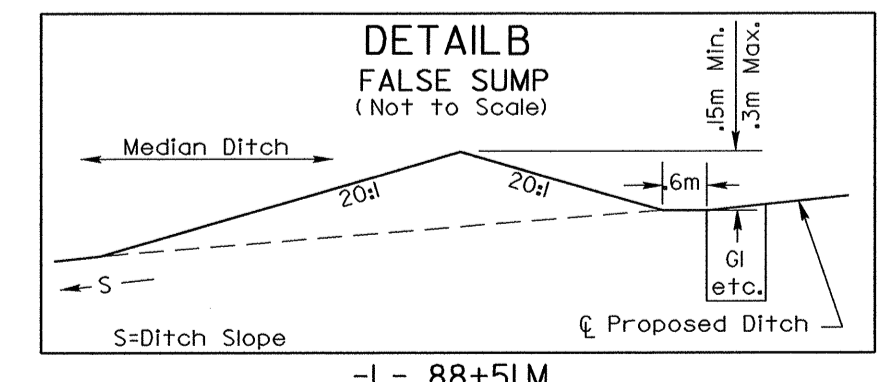
MATCH LINE STA. 90+60.000 SEE SHEET 29



EST. 1.8 TONS CL RIP RAP W/ 5.9 SM FILTER FABRIC  
EST. 1.0 TONS CL B RIP RAP W/ 23.4 SM FILTER FABRIC

-L- PT STA. 89+71.421  
+71.421  
35.000  
(121.39')  
-L- POT STA. 90+15.000 14.200 RT. =  
-RPC- POT STA. 0+00.000  
 $\Delta = 4' 06'' 00''$

4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

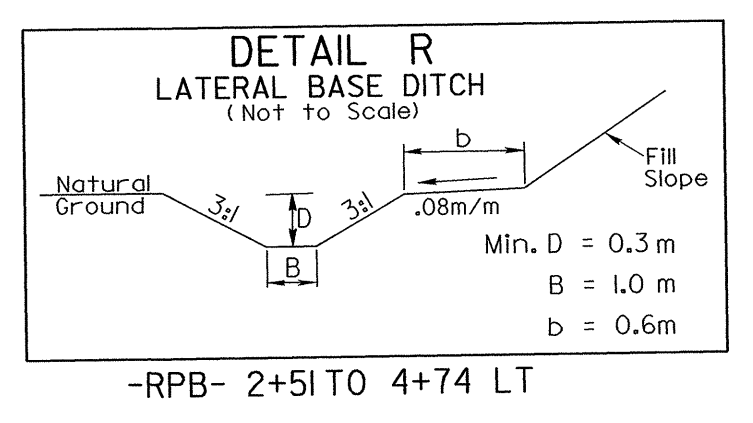
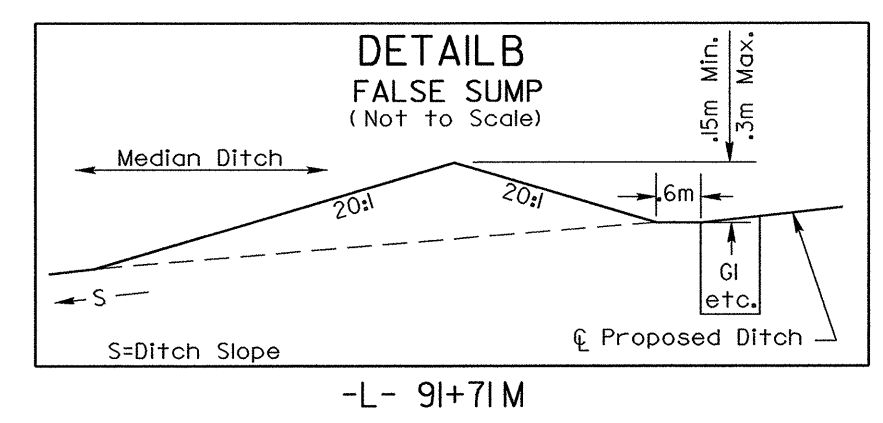


-L- 88+51M

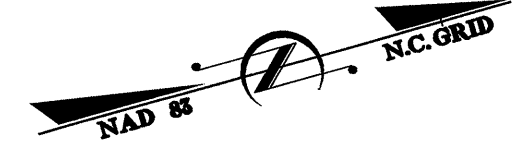
**METRIC**

CONST. REV.  
R/W REV.

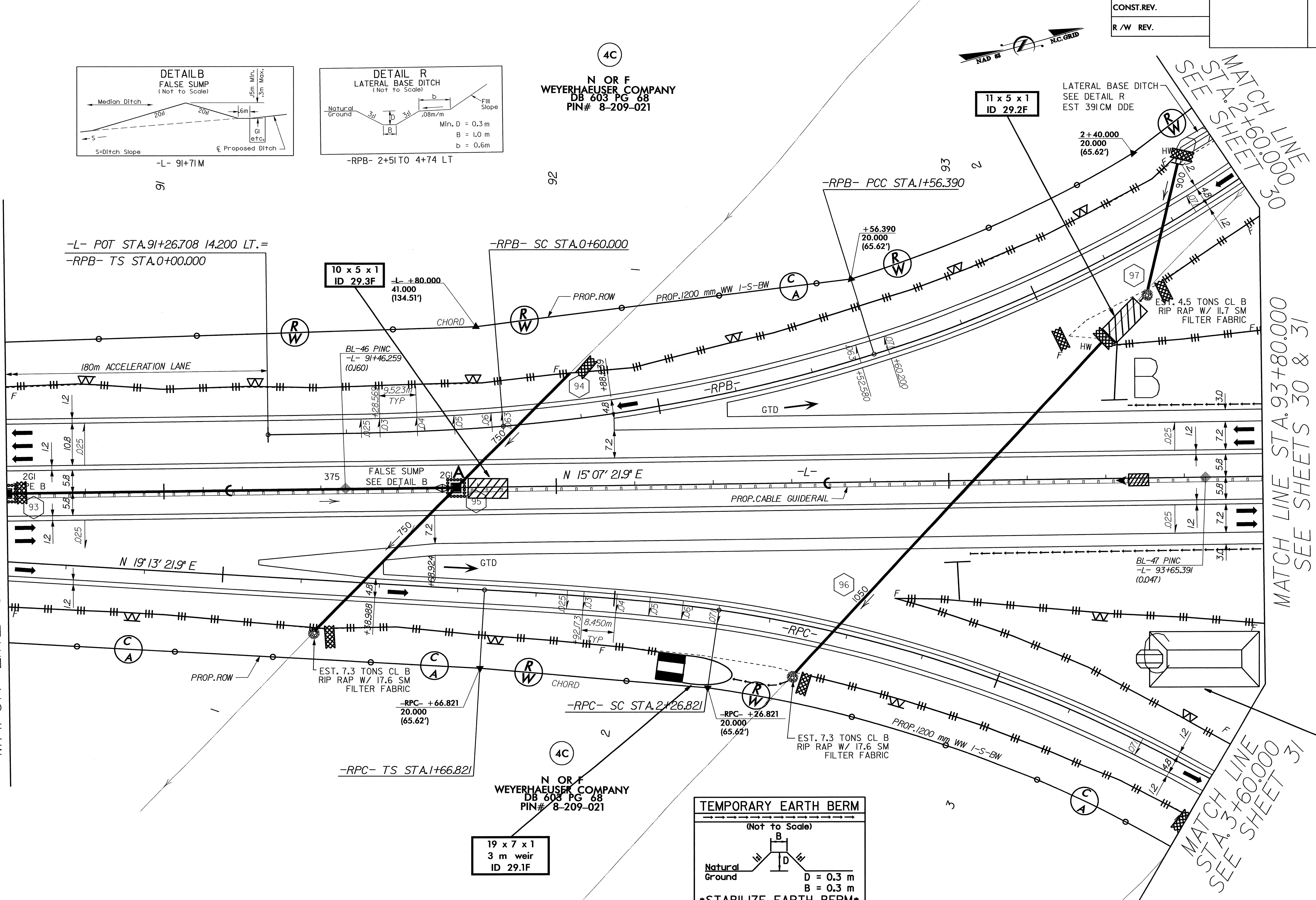
PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-67/CONST.29
R/W SHEET NO. 29	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021



MATCH LINE STA. 90+60.000 SEE SHEET 28

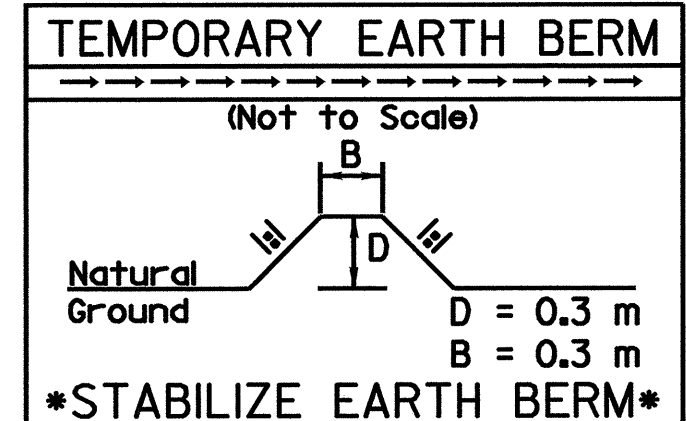


MATCH LINE STA. 93+80.000  
SEE SHEETS 30 & 31

MATCH LINE STA. 3+60.000  
SEE SHEET 31

19 x 7 x 1  
3 m weir  
ID 29.1F

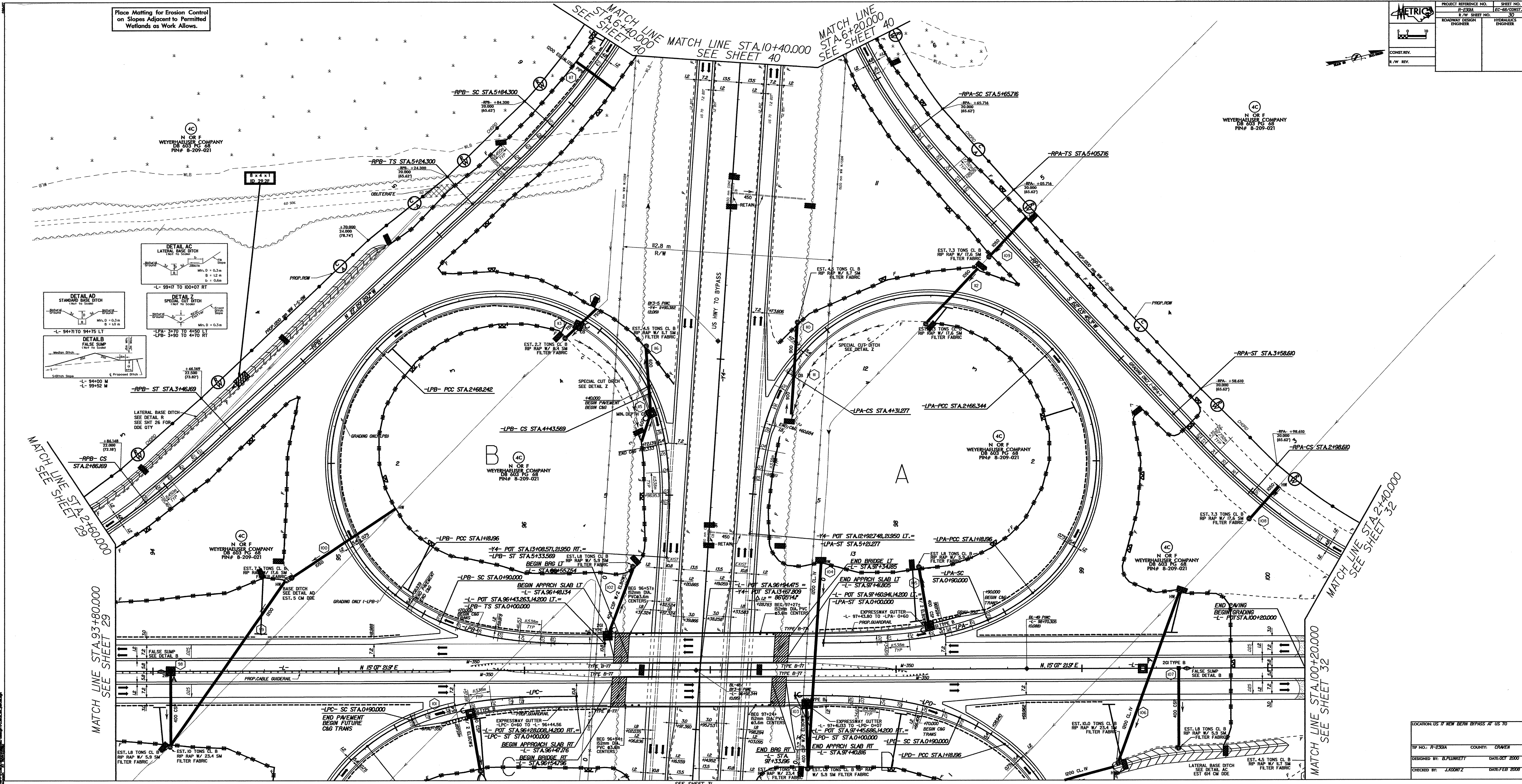
28 x 14 x 1  
5 m weir  
ID 29.3F  
(See Infiltration  
Basin Detail)



N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

	PROJECT REFERENCE NO.	SHEET NO.
	R-230A	EC-68-0087-30
	DATE	DESIGNED BY
	8/2000	RDW
	CHECKED BY	DATE
	RDW	8/2000



DETAIL A  
STANDARD DITCH  
W/ 10' SIDE  
MIN. D = 0.3 m  
D = 0.3 m  
SLOPE: 1:1

DETAIL B  
FALSE SUMP  
MIN. D = 0.3 m  
D = 0.3 m  
SLOPE: 1:1


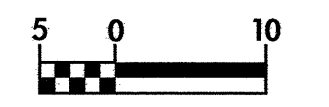
DETAIL C  
LATERAL BASE DITCH  
MIN. D = 0.3 m  
D = 0.3 m  
SLOPE: 1:1

DETAIL D  
SPECIAL CUT DITCH  
MIN. D = 0.3 m  
D = 0.3 m  
SLOPE: 1:1

LOCATION: US 7 NEW BEAR BYPASS AT US 70  
 SHEET NO: R-230A COUNTY: OSWEGO  
 DESIGNED BY: RDW DATE: 8/2000  
 CHECKED BY: RDW DATE: 8/2000

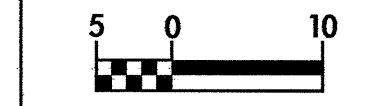


8/17/99

 	PROJECT REFERENCE NO.	SHEET NO.
	<i>R-2301A</i>	<i>EC-70/CONST.32</i>
	R/W SHEET NO.	<i>32</i>
	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.		
R/W REV.		

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B/L/28




CONST.REV.

R /W REV.

PROJECT REFERENCE NO.	SHEET NO.
R-2301A	EC-11/CONST.33
R /W SHEET NO.	33
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

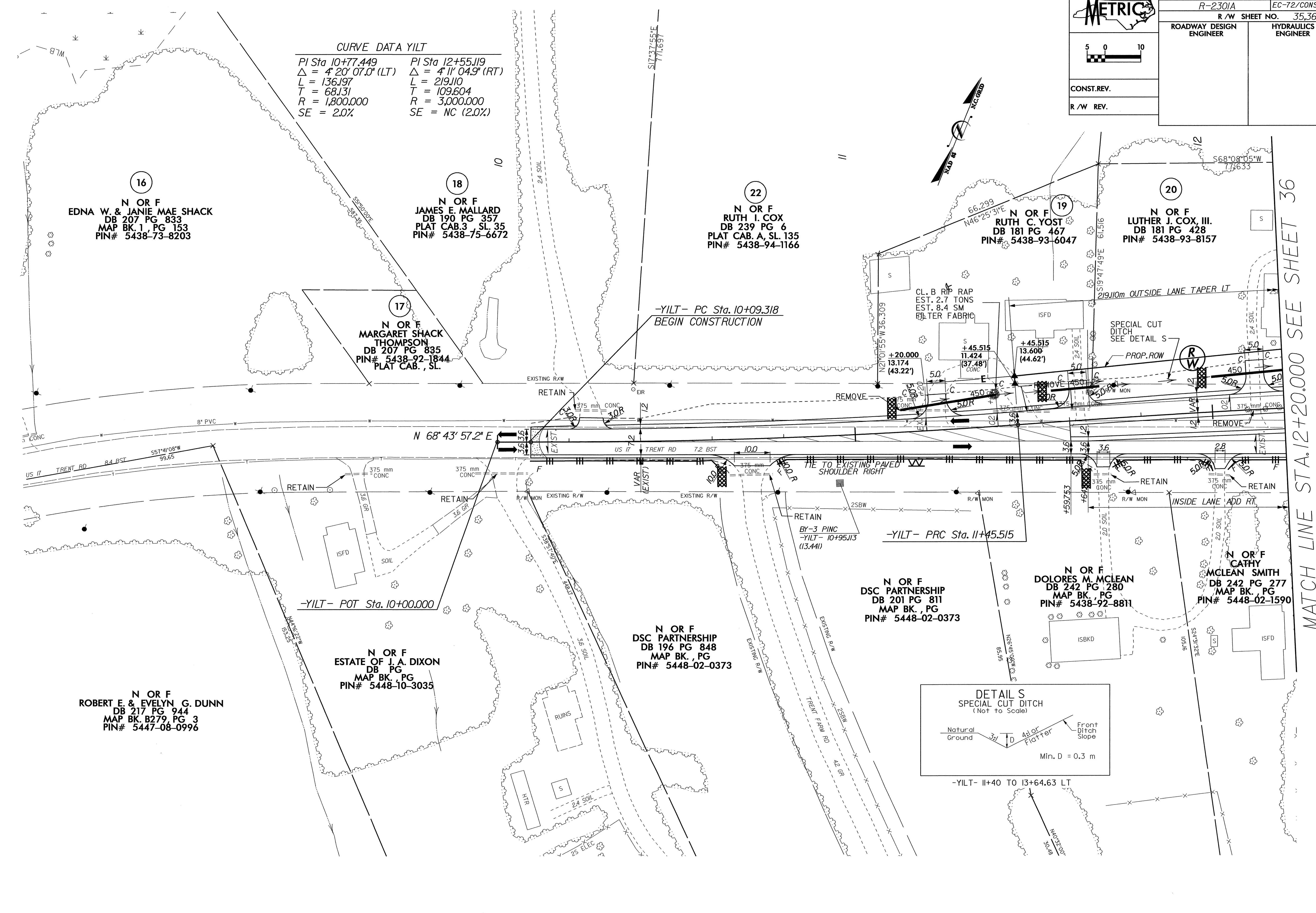
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8/17/23

	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-72/CONST.35
ROADWAY DESIGN ENGINEER	R/W SHEET NO.	35,36
	HYDRAULICS ENGINEER	
CONST.REV.		
R/W REV.		

**CURVE DATA YILT**

PI Sta 10+77.449	PI Sta 12+55.119
$\Delta = 4^{\circ}20'07.0"$ (LT)	$\Delta = 4^{\circ}11'04.9"$ (RT)
L = 136.197	L = 219.110
T = 68.131	T = 109.604
R = 1,800.000	R = 3,000.000
SE = 2.0%	SE = NC (2.0%)



16  
N OR F  
EDNA W. & JANIE MAE SHACK  
DB 207 PG 833  
MAP BK. 1, PG 153  
PIN# 5438-73-8203

18  
N OR F  
JAMES E. MALLARD  
DB 190 PG 357  
PLAT CAB. 3, SL. 35  
PIN# 5438-75-6672

22  
N OR F  
RUTH I. COX  
DB 239 PG 6  
PLAT CAB. A, SL. 135  
PIN# 5438-94-1166

19  
N OR F  
RUTH C. YOST  
DB 181 PG 467  
PIN# 5438-93-6047

20  
N OR F  
LUTHER J. COX, III.  
DB 181 PG 428  
PIN# 5438-93-8157

17  
N OR F  
MARGARET SHACK THOMPSON  
DB 207 PG 835  
PIN# 5438-92-1844  
PLAT CAB., SL.

N OR F  
ROBERT E. & EVELYN G. DUNN  
DB 217 PG 944  
MAP BK. B279, PG 3  
PIN# 5448-08-0996

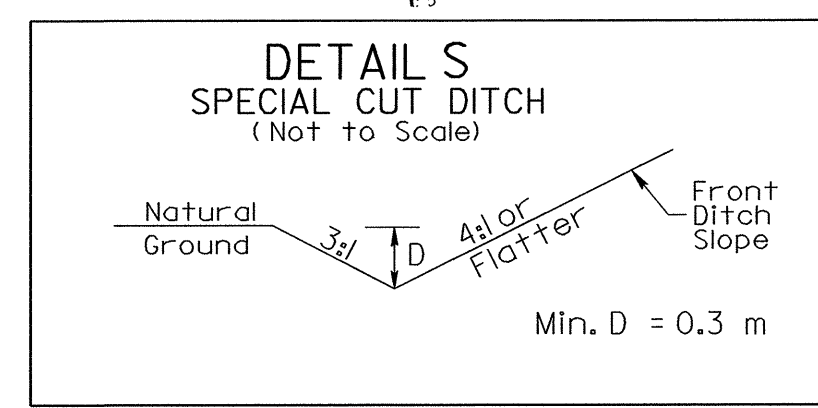
N OR F  
ESTATE OF J. A. DIXON  
DB PG  
MAP BK., PG  
PIN# 5448-10-3035

N OR F  
DSC PARTNERSHIP  
DB 196 PG 848  
MAP BK., PG  
PIN# 5448-02-0373

N OR F  
DSC PARTNERSHIP  
DB 201 PG 811  
MAP BK., PG  
PIN# 5448-02-0373

N OR F  
DOLORES M. MCLEAN  
DB 242 PG 280  
MAP BK., PG  
PIN# 5438-92-8811

N OR F  
CATHY MCLEAN SMITH  
DB 242 PG 277  
MAP BK., PG  
PIN# 5448-02-1590



MATCH LINE STA. 12+20.00 SEE SHEET 36

8/17/20

MONOLITHIC CONCRETE ISLAND

CONST. REV.

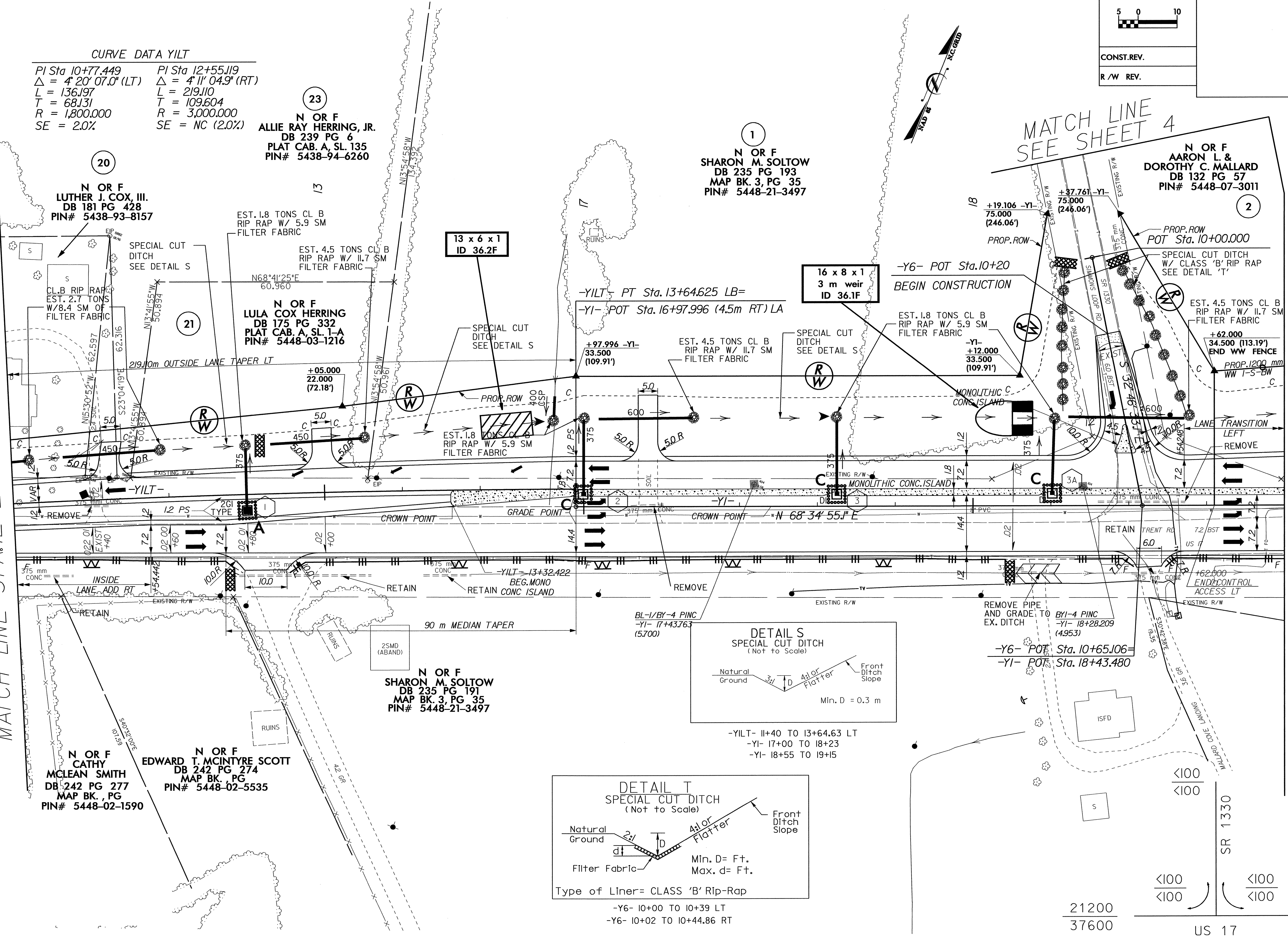
R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-73/CONST.36
R/W SHEET NO. 436	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**CURVE DATA YILT**

PI Sta 10+77.449	PI Sta 12+55.119
$\Delta = 4^\circ 20' 07.0''$ (LT)	$\Delta = 4^\circ 11' 04.9''$ (RT)
L = 136.197	L = 219.110
T = 68.131	T = 109.604
R = 1,800.000	R = 3,000.000
SE = 2.0%	SE = NC (2.0%)

MATCH LINE STA. 12+20.000 SEE SHEET 35



MATCH LINE SEE SHEET 4

MATCH LINE STA. 18+80.000 SEE SHEET 4

20  
N OR F  
LUTHER J. COX, III.  
DB 181 PG 428  
PIN# 5438-93-8157

21  
N OR F  
LULA COX HERRING  
DB 175 PG 332  
PLAT CAB. A, SL. 1-A  
PIN# 5448-03-1216

23  
N OR F  
ALLIE RAY HERRING, JR.  
DB 239 PG 6  
PLAT CAB. A, SL. 135  
PIN# 5438-94-6260

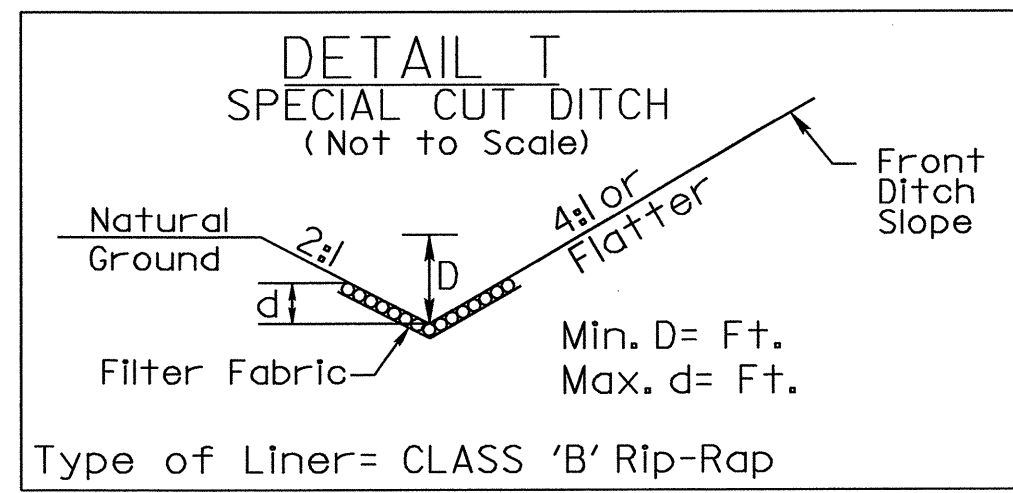
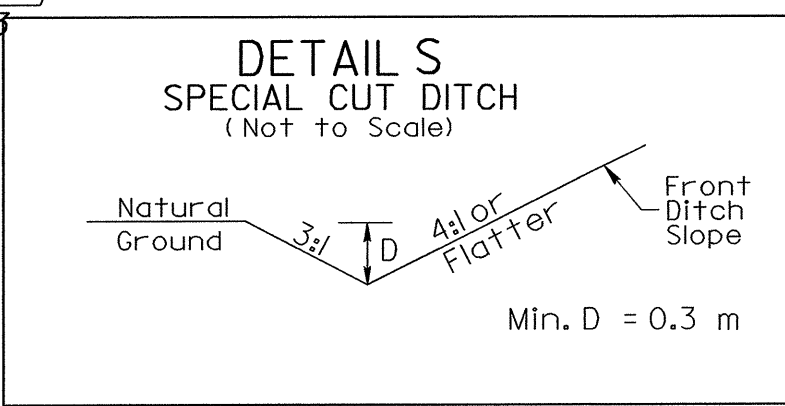
1  
N OR F  
SHARON M. SOLTOW  
DB 235 PG 193  
MAP BK. 3, PG 35  
PIN# 5448-21-3497

2  
N OR F  
AARON L. &  
DOROTHY C. MALLARD  
DB 132 PG 57  
PIN# 5448-07-3011

N OR F  
SHARON M. SOLTOW  
DB 235 PG 191  
MAP BK. 3, PG 35  
PIN# 5448-21-3497

N OR F  
CATHY  
MCLEAN SMITH  
DB 242 PG 277  
MAP BK. PG  
PIN# 5448-02-1590


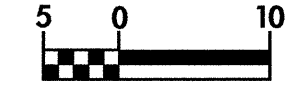
N OR F  
EDWARD T. MCINTYRE SCOTT  
DB 242 PG 274  
MAP BK. PG  
PIN# 5448-02-5535



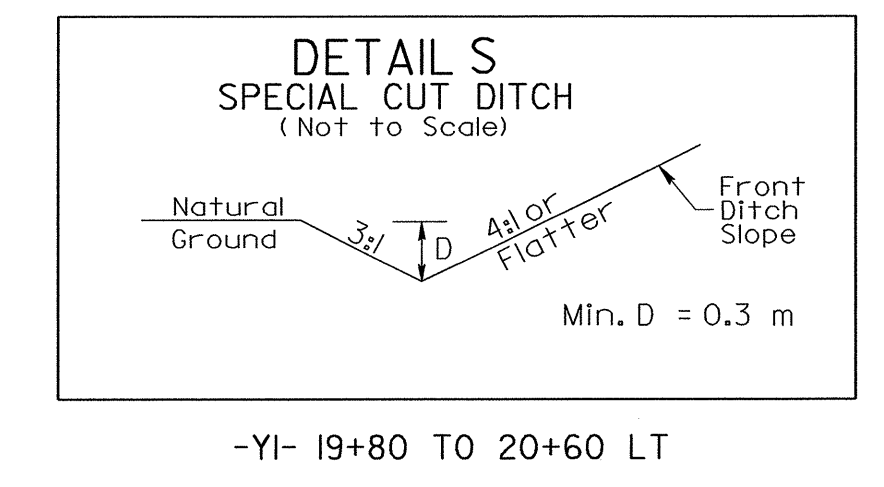
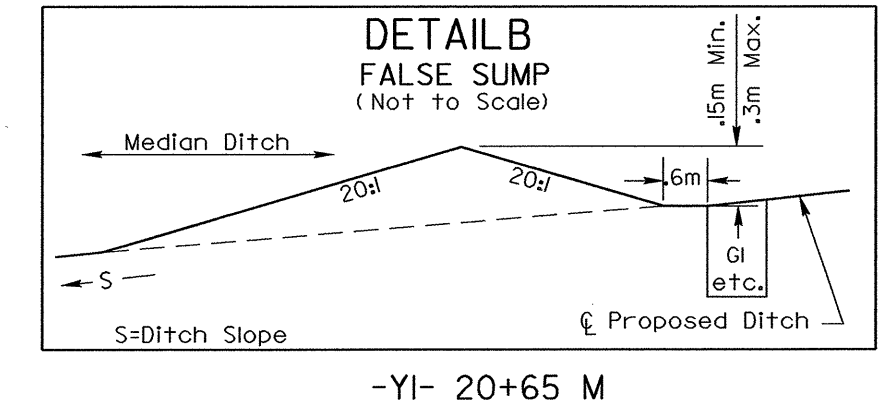
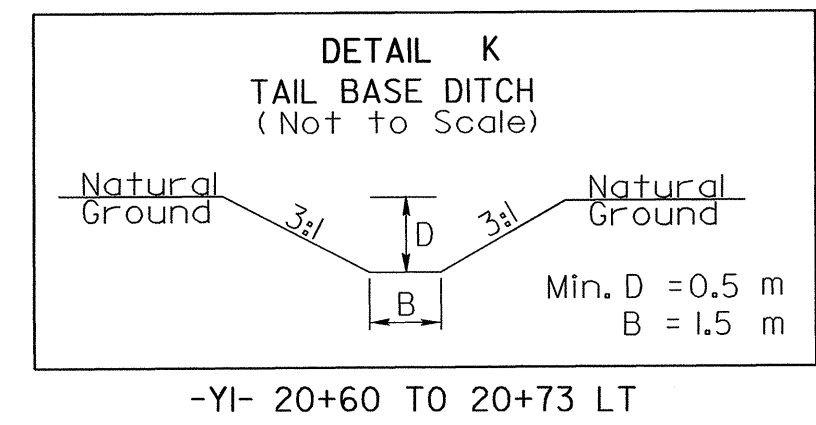
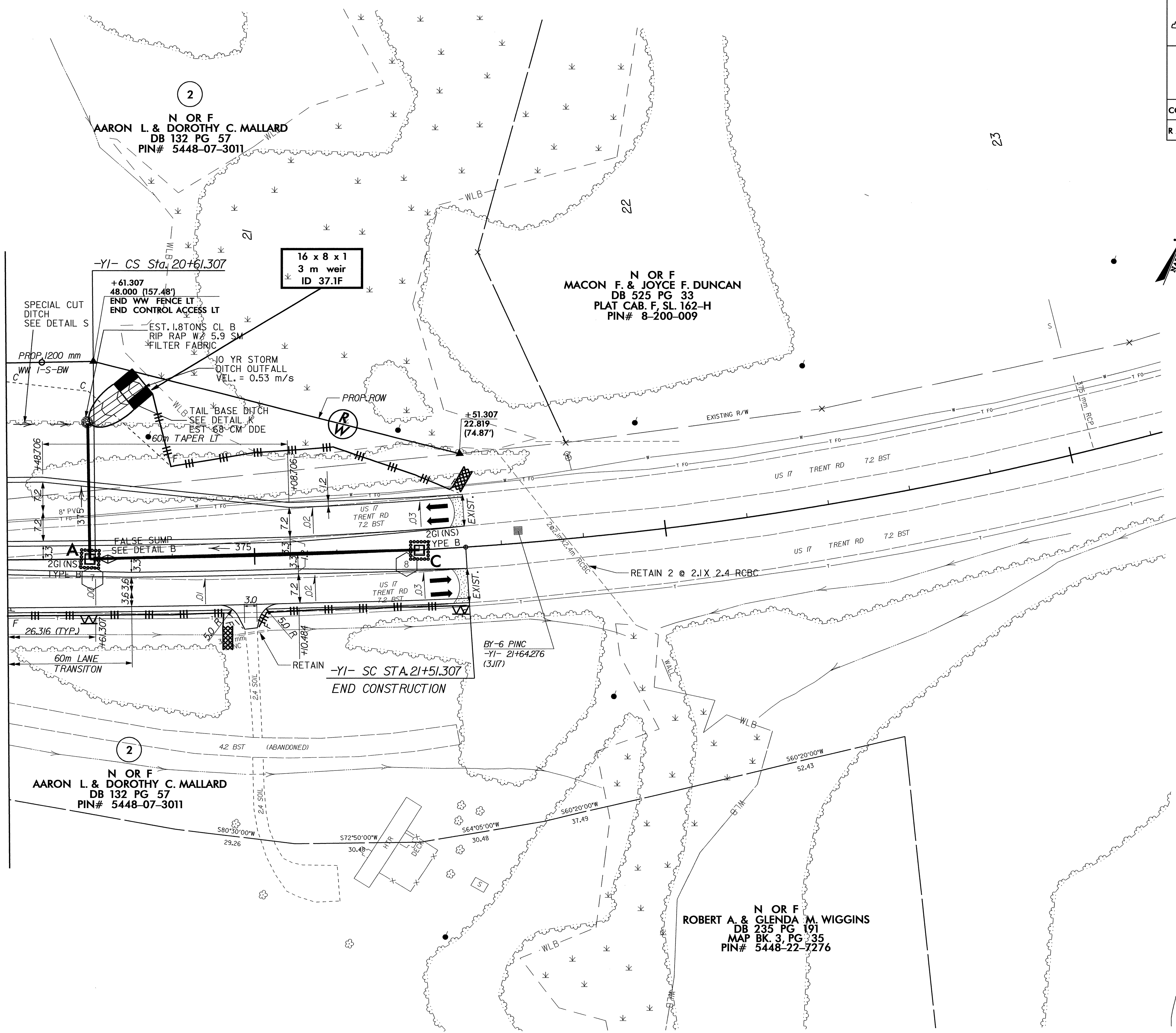
21200	21200
37600	37600
US 17	




8/17/25

	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-74/CONST.37
	R/W SHEET NO.	37
	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.		
R/W REV.		

MATCH LINE STA. 20+40.00 SEE SHEET 4



8/17/99

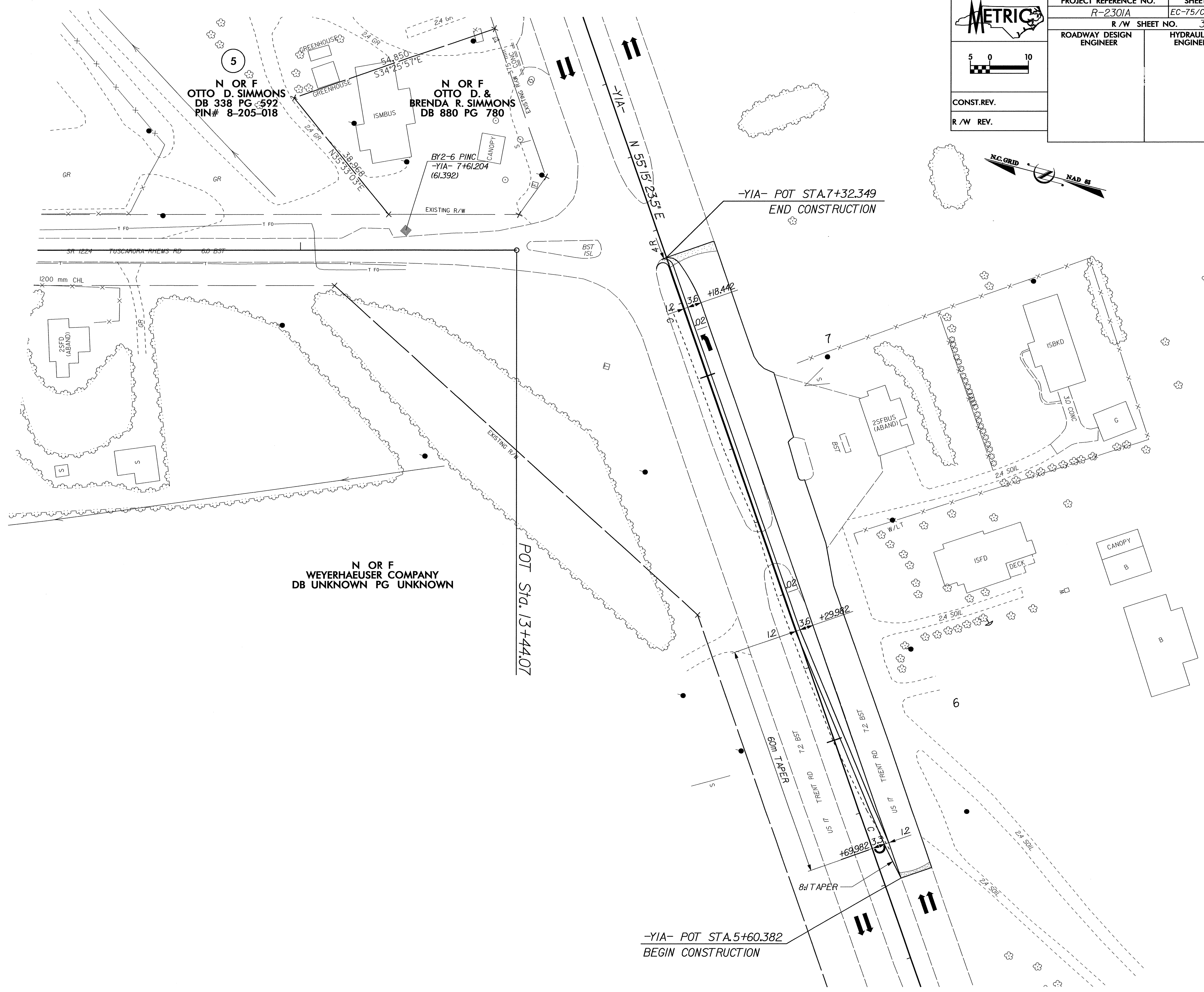


5 0 10

CONST.REV.

R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-75/CONST.38
R/W SHEET NO. 39	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



5  
N OR F  
OTTO D. SIMMONS  
DB 338 PG 592  
PIN# 8-205-018

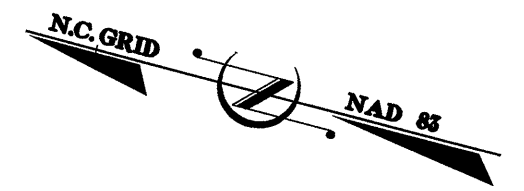
N OR F  
OTTO D. &  
BRENDA R. SIMMONS  
DB 880 PG 780

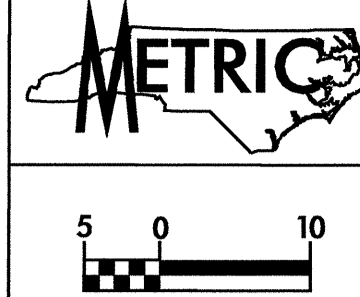
N OR F  
WEYERHAEUSER COMPANY  
DB UNKNOWN PG UNKNOWN

-YIA- POT STA. 7+32.349  
END CONSTRUCTION

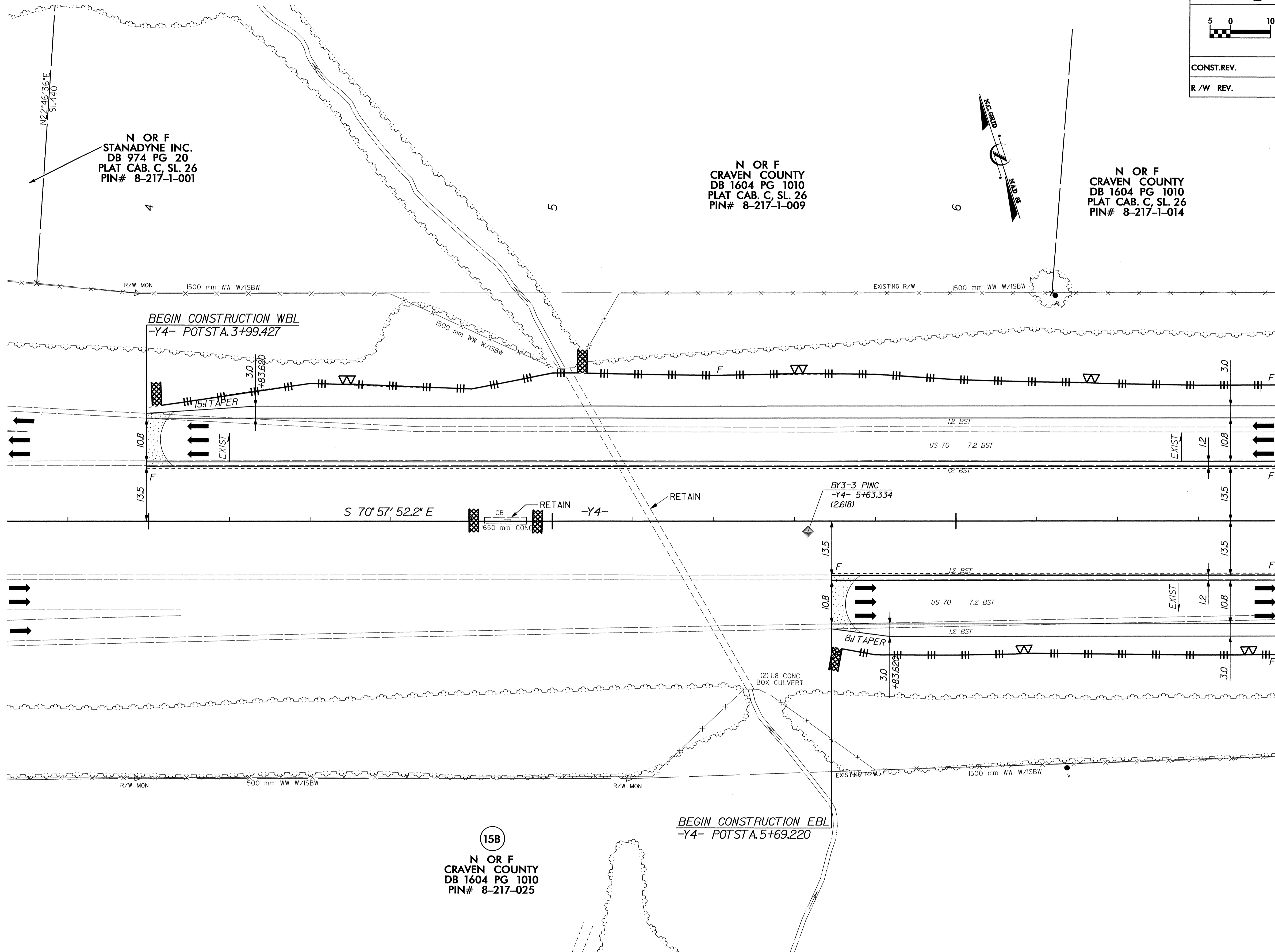
POT Sta. 13+44.07

-YIA- POT STA. 5+60.382  
BEGIN CONSTRUCTION





PROJECT REFERENCE NO.	SHEET NO.
R-2301A	EC-76/CONST.39
R/W SHEET NO. 40	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	



N OR F  
STANADYNE INC.  
DB 974 PG 20  
PLAT CAB. C, SL. 26  
PIN# 8-217-1-001

N OR F  
CRAVEN COUNTY  
DB 1604 PG 1010  
PLAT CAB. C, SL. 26  
PIN# 8-217-1-009


N OR F  
CRAVEN COUNTY  
DB 1604 PG 1010  
PLAT CAB. C, SL. 26  
PIN# 8-217-1-014

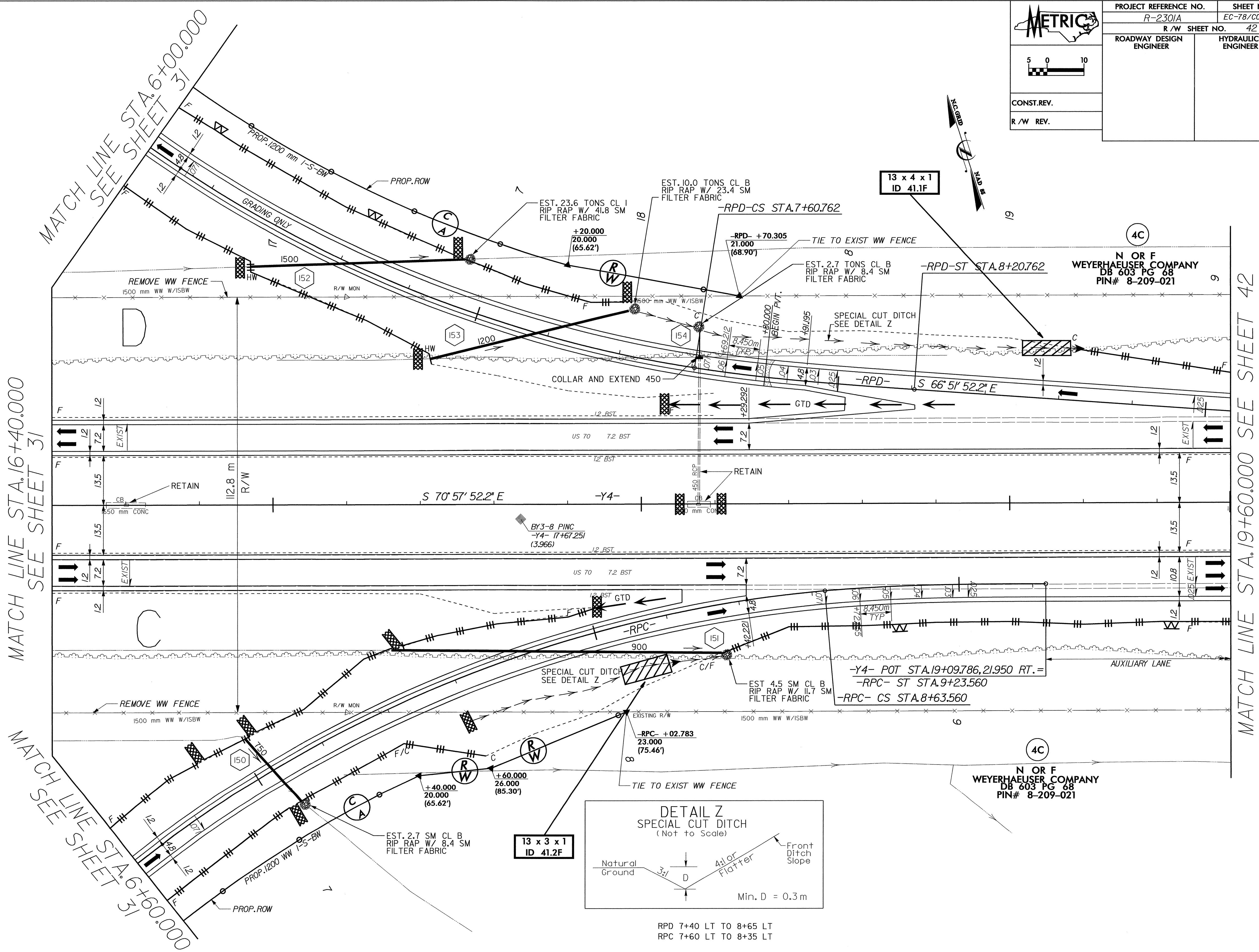
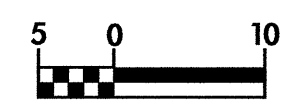
15B  
N OR F  
CRAVEN COUNTY  
DB 1604 PG 1010  
PIN# 8-217-025

MATCH LINE STA. 6+80.000 SEE SHEET 40



8/17/99

	PROJECT REFERENCE NO.	SHEET NO.
	R-2301A	EC-78/CONST.41
	R/W SHEET NO.	42
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
CONST.REV.		
R/W REV.		



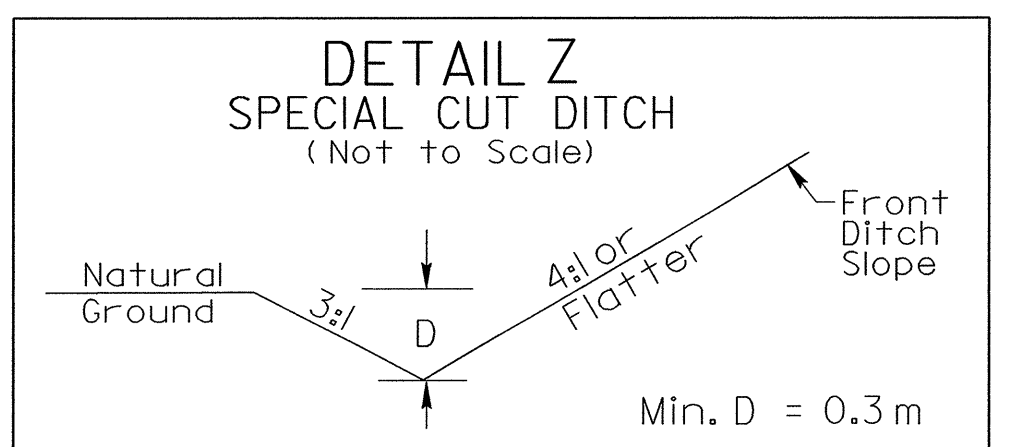
MATCH LINE STA. 16+40.000  
SEE SHEET 31

MATCH LINE STA. 6+00.000  
SEE SHEET 31

MATCH LINE STA. 19+60.000 SEE SHEET 42

13 x 4 x 1  
ID 41.1F

13 x 3 x 1  
ID 41.2F



RPD 7+40 LT TO 8+65 LT  
RPC 7+60 LT TO 8+35 LT

N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

8/17/99

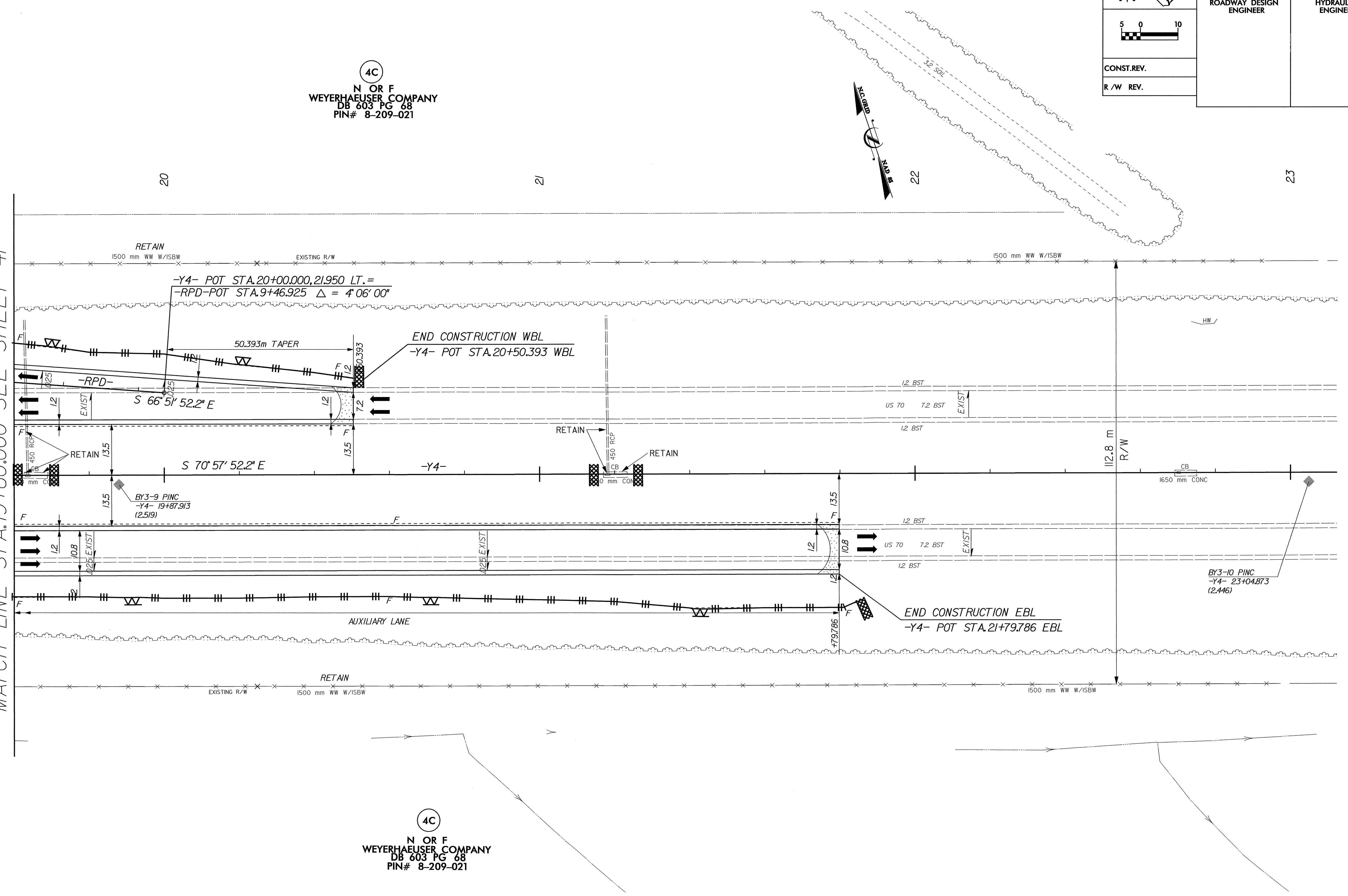
**METRIC**

CONST. REV.  
R/W REV.

PROJECT REFERENCE NO. R-2301A	SHEET NO. EC-79/CONST.42
R/W SHEET NO. 43	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021

MATCH LINE STA. 19+60.000 SEE SHEET 41



4C  
N OR F  
WEYERHAEUSER COMPANY  
DB 603 PG 68  
PIN# 8-209-021