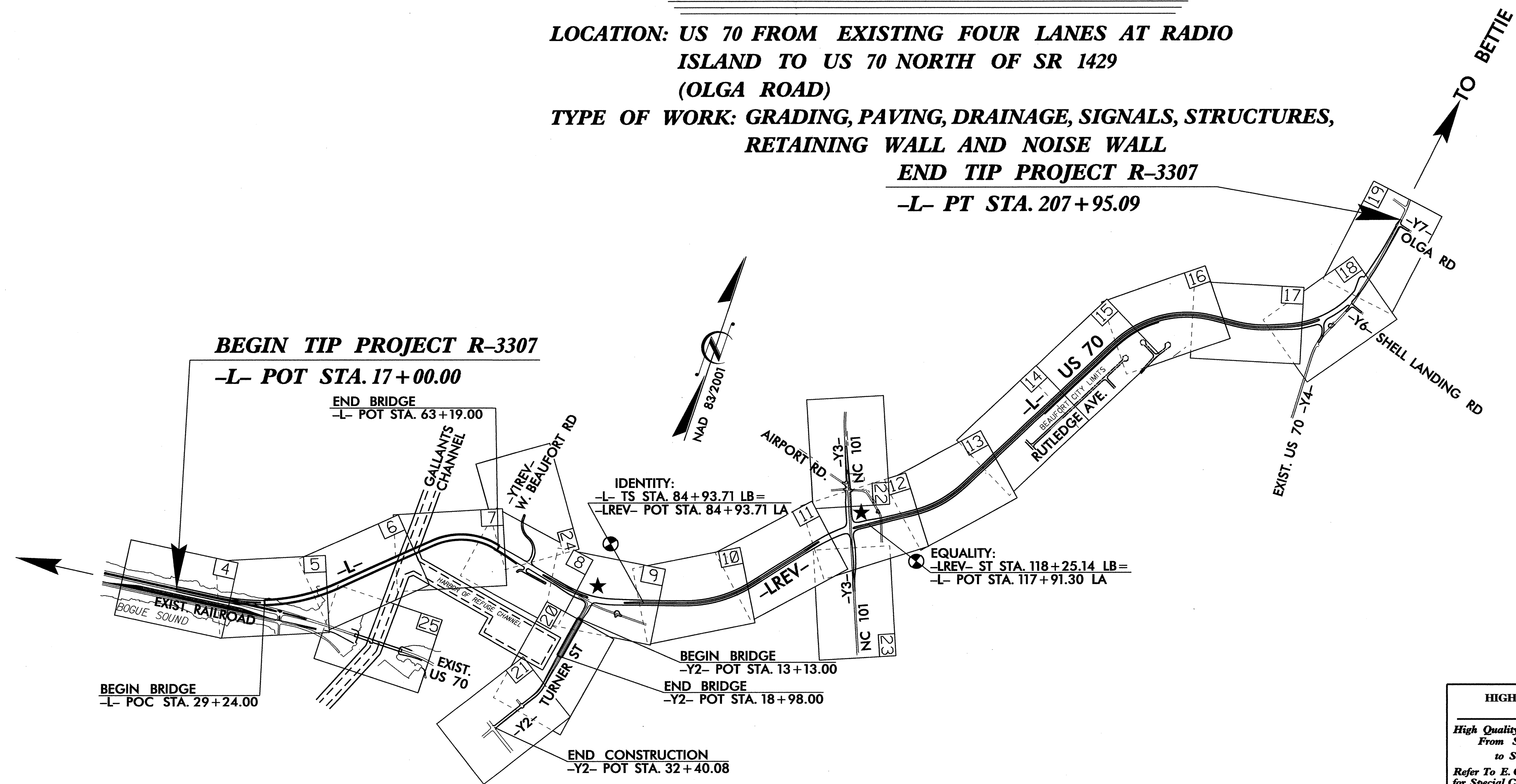


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-3307	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

TIP PROJECT: R-3307

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

LOCATION: US 70 FROM EXISTING FOUR LANES AT RADIO ISLAND TO US 70 NORTH OF SR 1429 (OLGA ROAD)
TYPE OF WORK: GRADING, PAVING, DRAINAGE, SIGNALS, STRUCTURES, RETAINING WALL AND NOISE WALL
END TIP PROJECT R-3307
-L- PT STA. 207+95.09



EROSION AND SEDIMENT CONTROL MEASURES

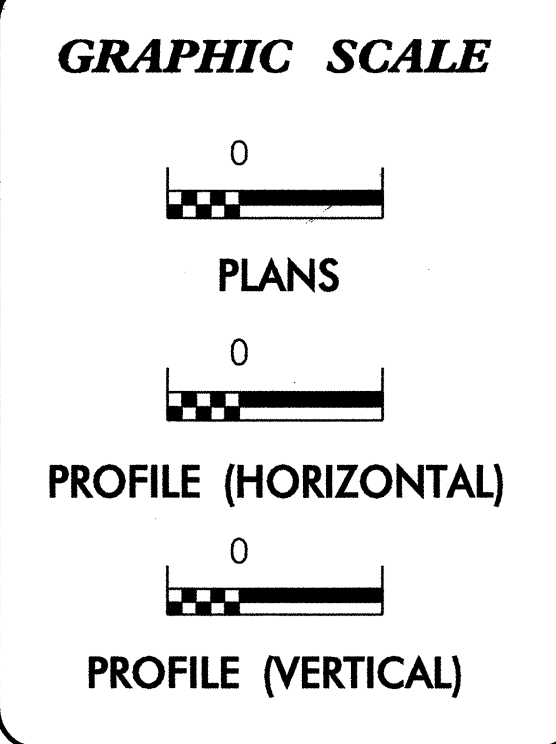
Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	TSF
1606.01	Special Sediment Control Fence	SSCF
1622.01	Temporary Berms and Slope Drains	TBSD
1630.02	Silt Basin Type B	SB
1633.01	Temporary Rock Silt Check Type-A	TRSCA
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	TRSCA-PAM
1633.02	Temporary Rock Silt Check Type-B	TRSCB
	Wattle / Coir Fiber Wattle	W
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	W-PAM
1634.01	Temporary Rock Sediment Dam Type-A	TRSDA
1634.02	Temporary Rock Sediment Dam Type-B	TRSDB
1635.01	Rock Pipe Inlet Sediment Trap Type-A	RPISTRA
1635.02	Rock Pipe Inlet Sediment Trap Type-B	RPISTRB
1630.04	Stilling Basin	SB
1630.06	Special Stilling Basin	SSB
	Rock Inlet Sediment Trap:	
	Type A	A
	Type B	B
	Type C	C
	Skimmer Basin	SB
	Tiered Skimmer Basin	TSB
	Infiltration Basin	IB

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.

HIGH QUALITY WATER(S) EXIST ON THIS PROJECT
High Quality Water Zone(s) Exist From Sta. Beginning to Sta. End
Refer To E. C. Special Provisions for Special Considerations.



ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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

Prepared In the Office of:
ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611
2012 STANDARD SPECIFICATIONS

Roadway Standard Drawings

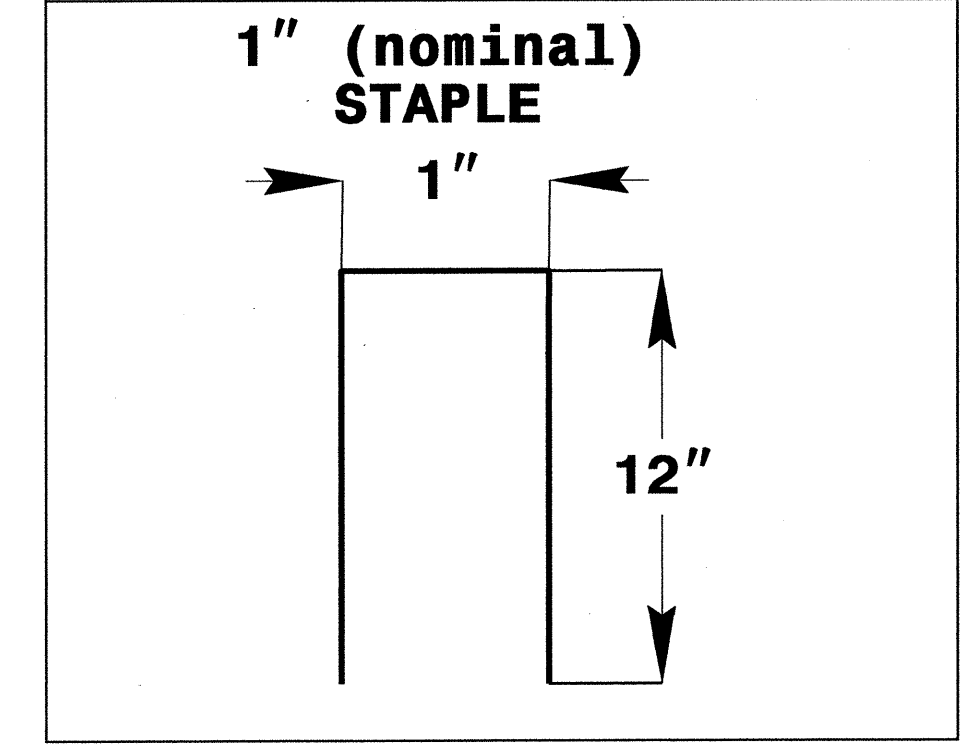
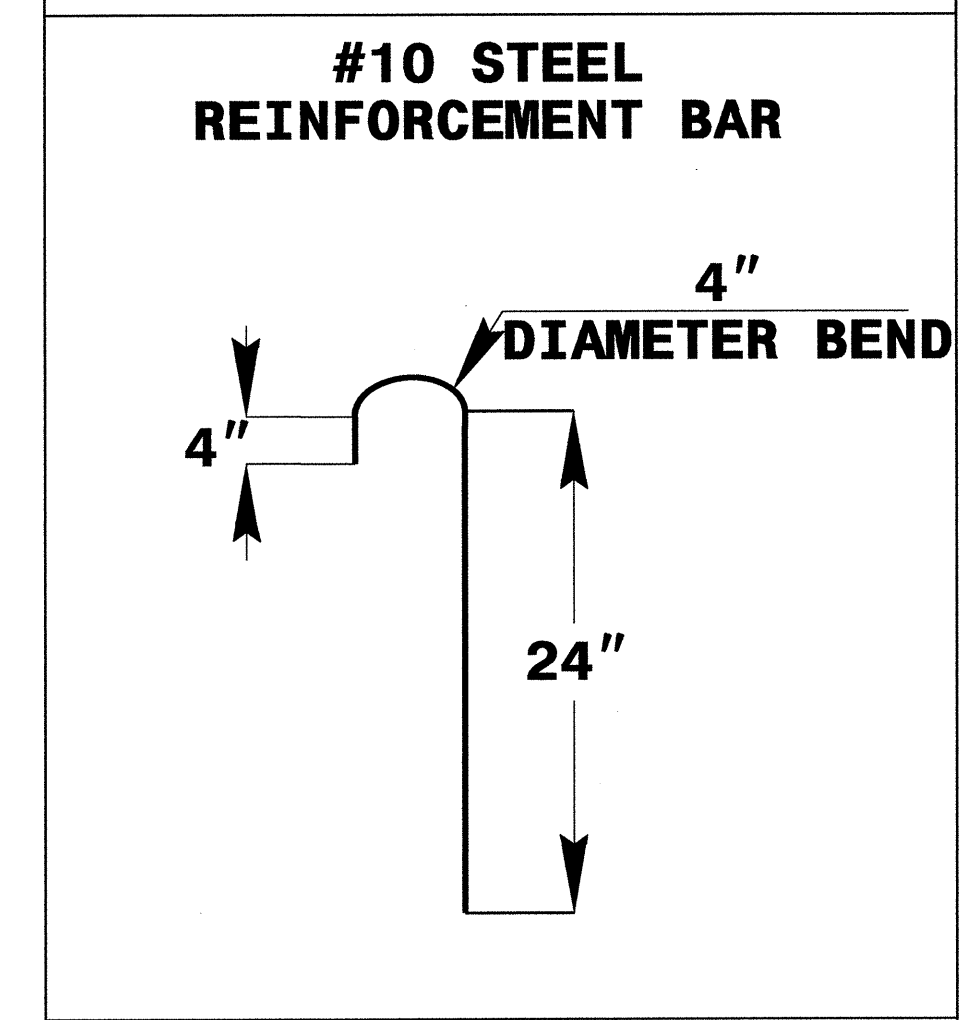
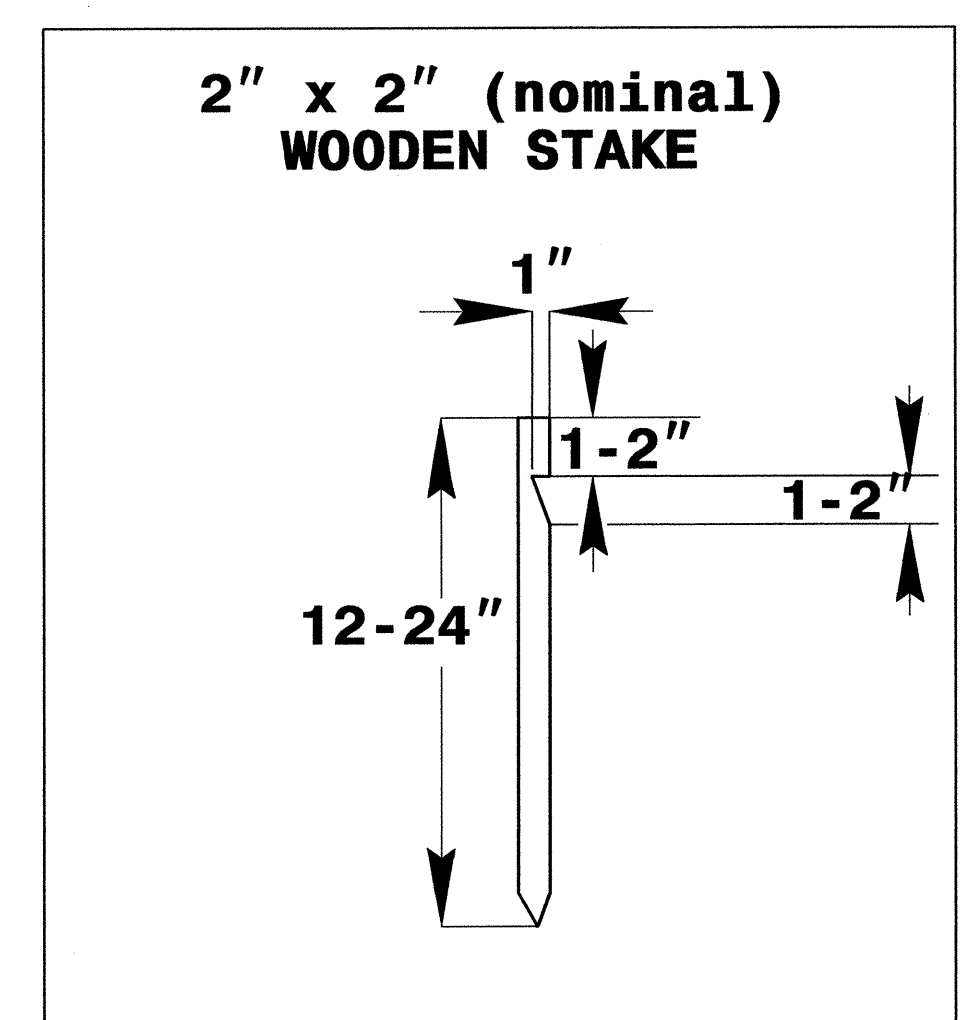
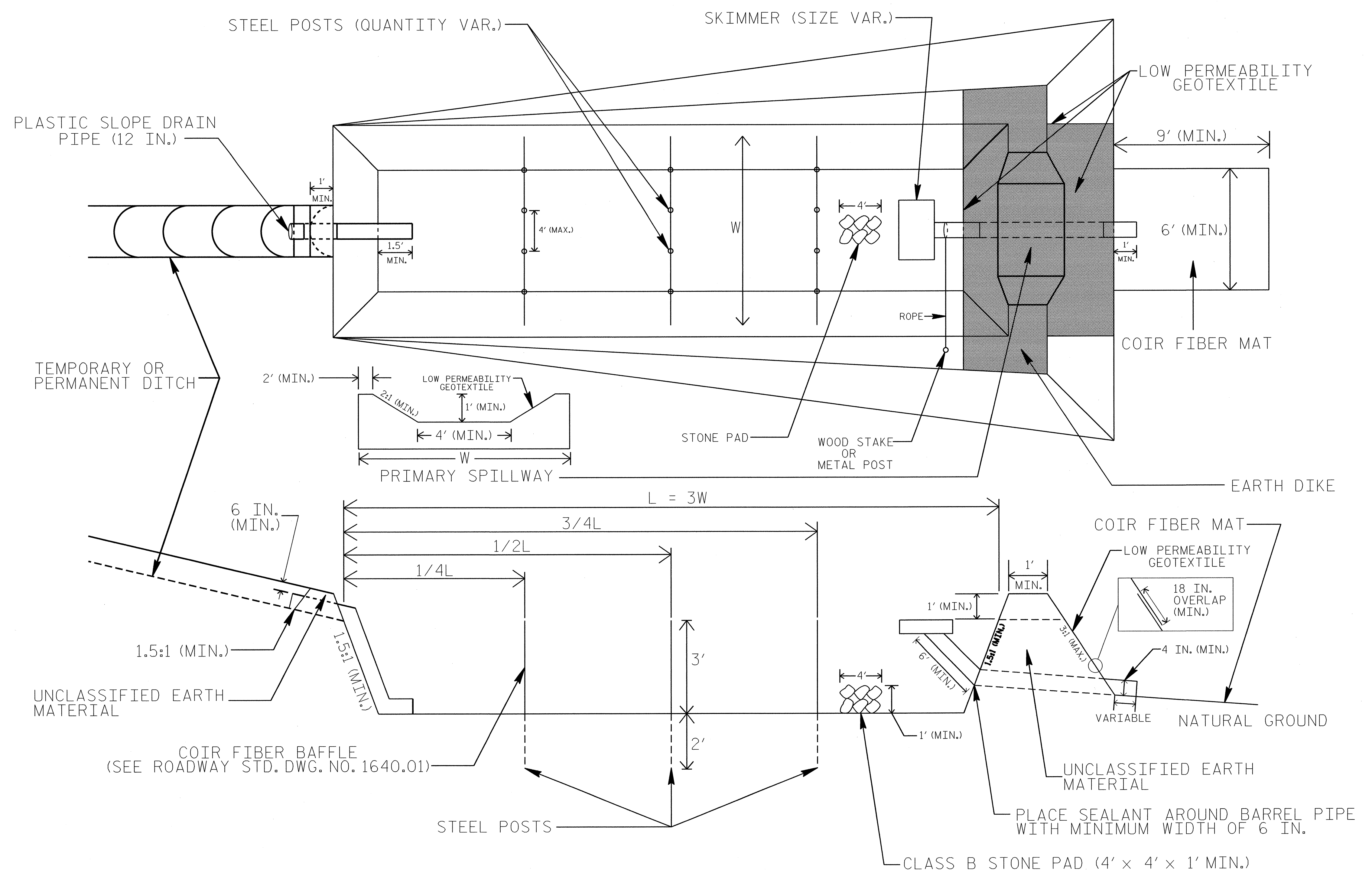
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

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

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PROJECT REFERENCE NO. R-3307	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL (EAST)



COIR FIBER MAT ANCHOR OPTIONS

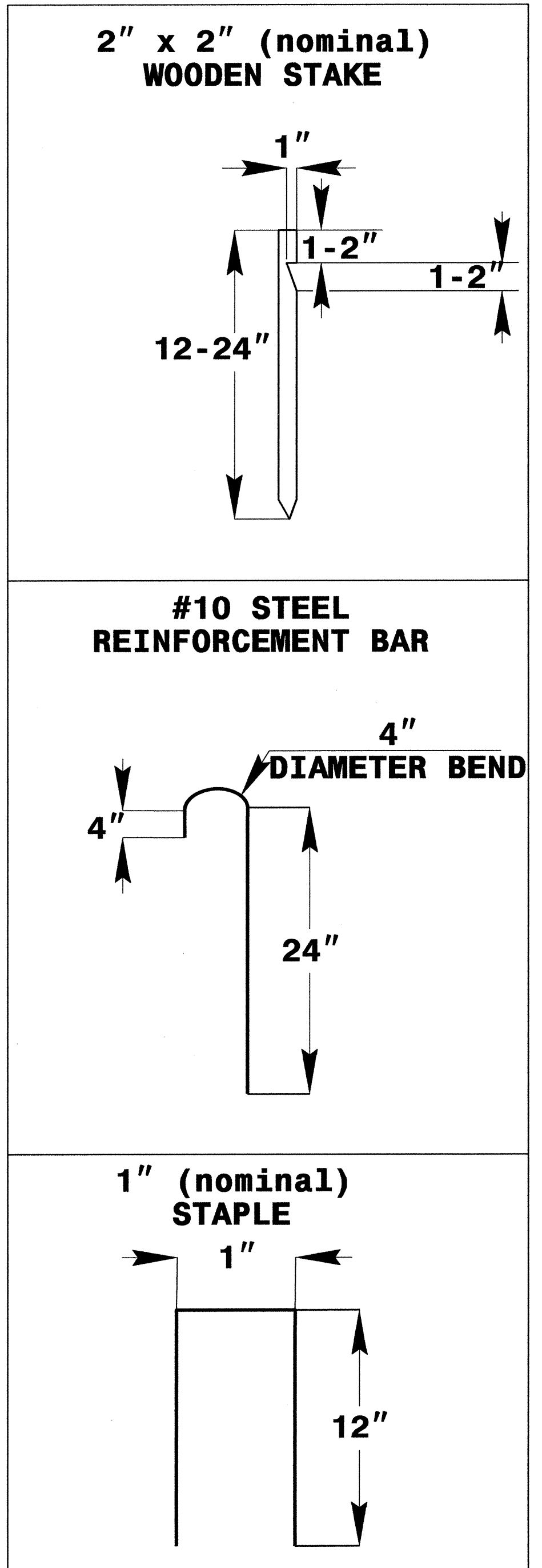
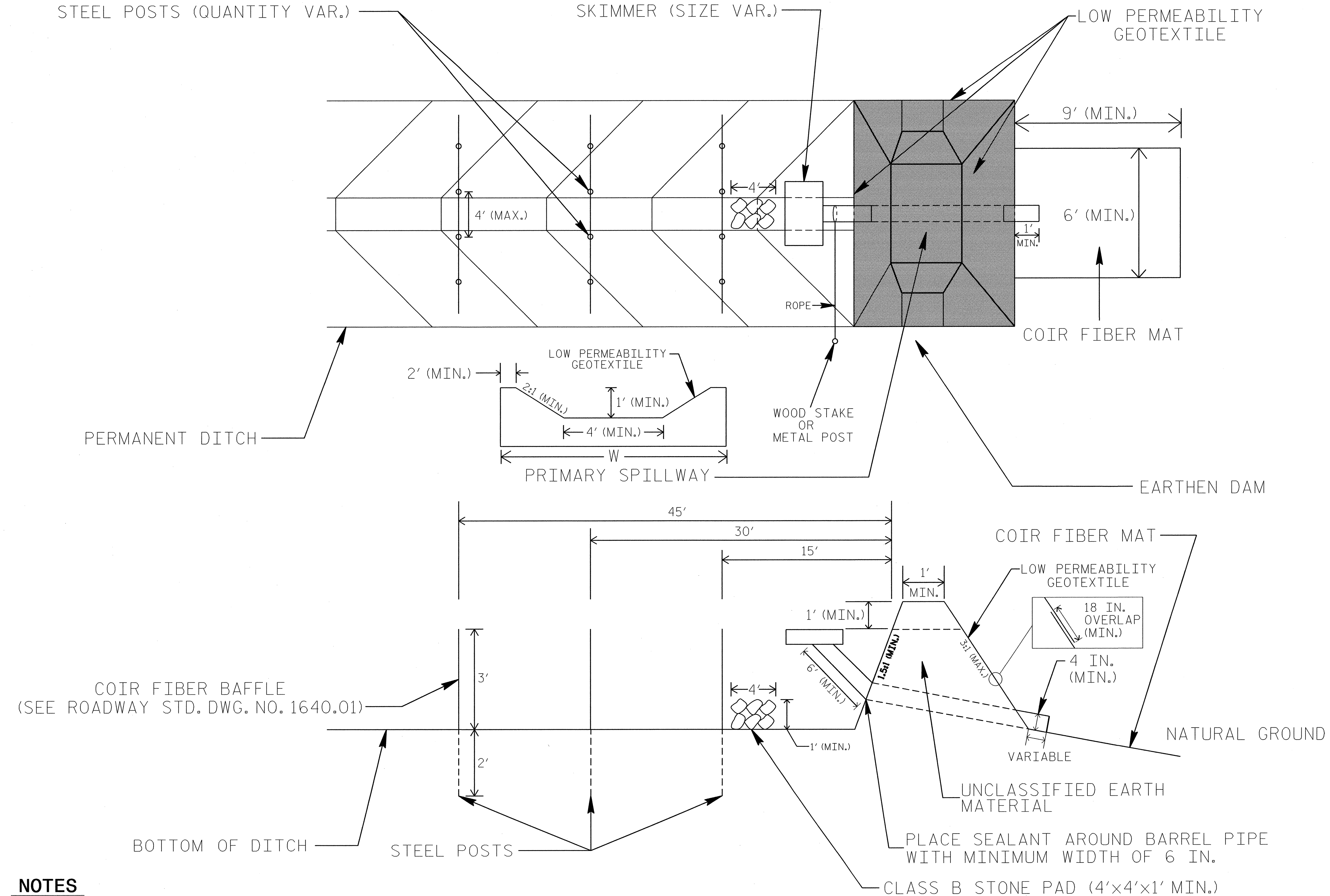
NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE PRIMARY SPILLWAY WEIR LENGTH (FT.) USING $Q/0.4$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE OR TARP AS DIRECTED.
6. LOW PERMEABILITY GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

EARTHEN DAM WITH SKIMMER DETAIL (EAST)



COIR FIBER MAT ANCHOR OPTIONS

NOTES

1. LIMIT EARTHEN DAM HEIGHT TO 5 FT.
2. DETERMINE PRIMARY SPILLWAY LENGTH (FT.) USING $Q/0.4$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
3. LOW PERMEABILITY GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

BORROW PIT DEWATERING BASIN DETAIL

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

GENERAL NOTES:

DETERMINE BORROW PIT DEWATERING BASIN SIZE USING $V = 8.0203 * Q * T$, WHERE V IS VOLUME (FT³), Q IS PUMP FLOW RATE (GPM), AND T IS DEWATERING TIME (HR). USE MAXIMUM FLOW RATE OF 1000 GPM AND A MINIMUM DEWATERING TIME OF 2 HOURS.

RISER SHALL BE A NON-PERFORATED, SMOOTH OR CORRUGATED MATERIAL WITH A FLASHBOARD OPTION.

CONSTRUCT THE COIR FIBER BAFFLE IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1640.01 AND WITH MATERIAL THAT MEETS THE SPECIFICATIONS OF ROADWAY STANDARD 1060-14.

PROVIDE 5' STEEL POSTS OF THE SELF-FASTENER ANGLE STEEL TYPE. INSTALL STEEL POSTS WITH NO MORE THAN 3' OF THE POST APPEARING ABOVE THE GROUND.

ATTACH THE COIR FIBER MAT TO THE STEEL POSTS WITH WIRE OR OTHER ACCEPTABLE MEANS AND STAPLED INTO THE BOTTOM AND SIDE SLOPES OF THE BASIN WITH 12" STAPLES.

INSTALL TYPE 2 GEOTEXTILE ON SIDESLOPES AND BOTTOM OF BASIN AT INLET AS SHOWN IN THE DETAIL.

USE THE TYPICAL SECTION SHOWN FOR THE BORROW PIT DEWATERING BASIN AS A GUIDE. THE BASIN MAY HAVE ANY TYPE CONFIGURATION AS LONG AS SUFFICIENT VOLUME IS PROVIDED AND PROVISIONS ARE MADE FOR A NON-PERFORATED RISER.

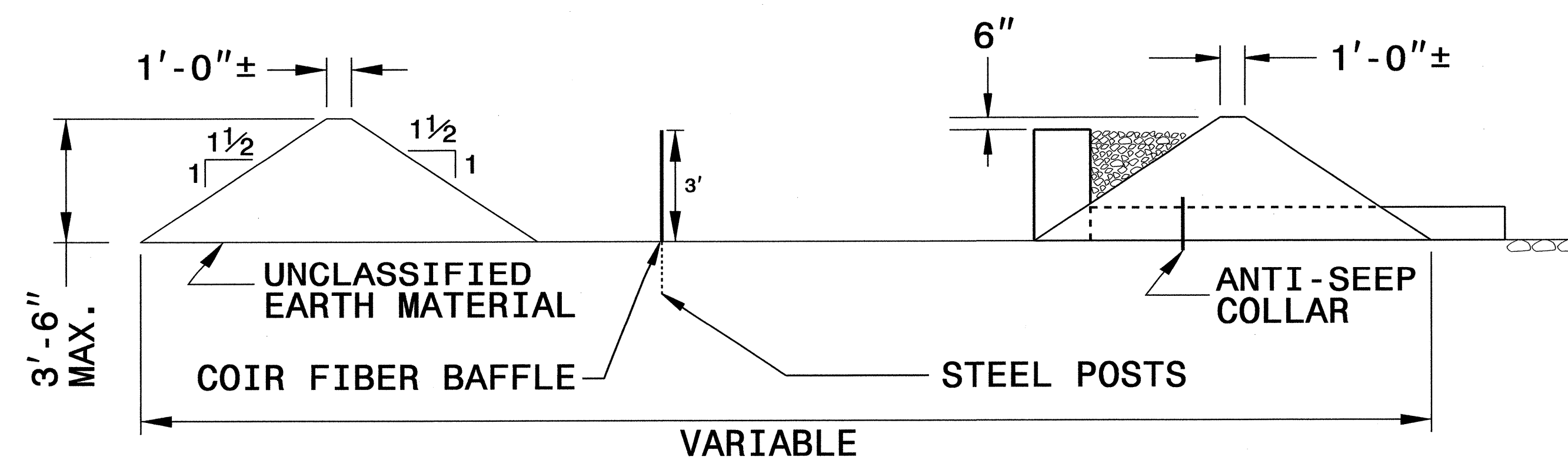
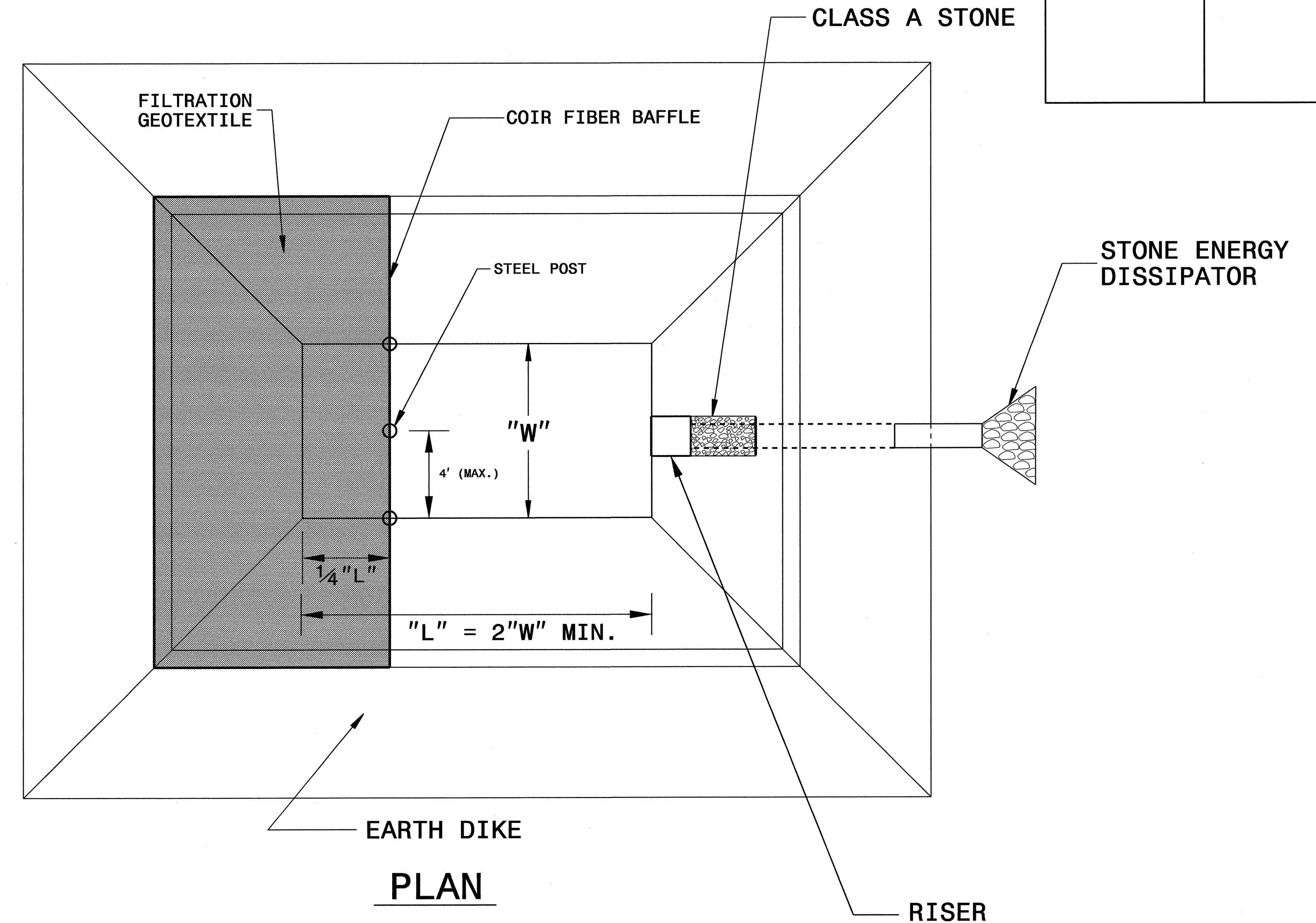
DO NOT EXCEED 3½ FT. IN HEIGHT FOR THE EARTH DIKES REQUIRED FOR BORROW PIT DEWATERING BASIN.

THE BORROW PIT DEWATERING BASIN SIZE IS VARIABLE AND DEPENDENT ON SPECIFIC SITE REQUIREMENTS AS WELL AS PROPOSED CONSTRUCTION OPERATIONS.

SUBMIT THE SIZE, LOCATION AND RISER PIPE MATERIAL FOR APPROVAL PRIOR TO CONSTRUCTION.

PUMP THE EFFLUENT INTO THE BORROW PIT DEWATERING BASIN TO A MAXIMUM DEPTH OF 6 IN. BELOW TOP OF EARTH DIKE.

PROVIDE A STONE ENERGY DISSIPATOR PAD AT THE OUTLET OF THE PUMP DISCHARGE HOSE AND OUTLET OF THE RISER BARREL IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 876.02 FOR OUTLET W/O DITCH.

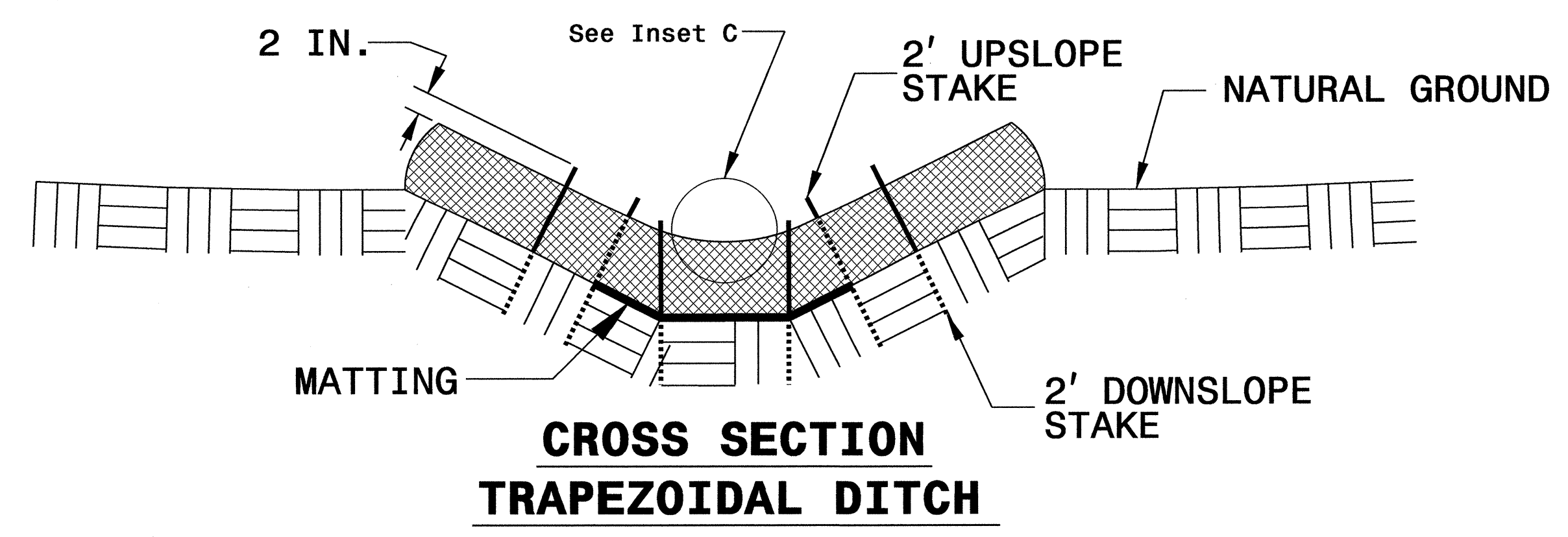
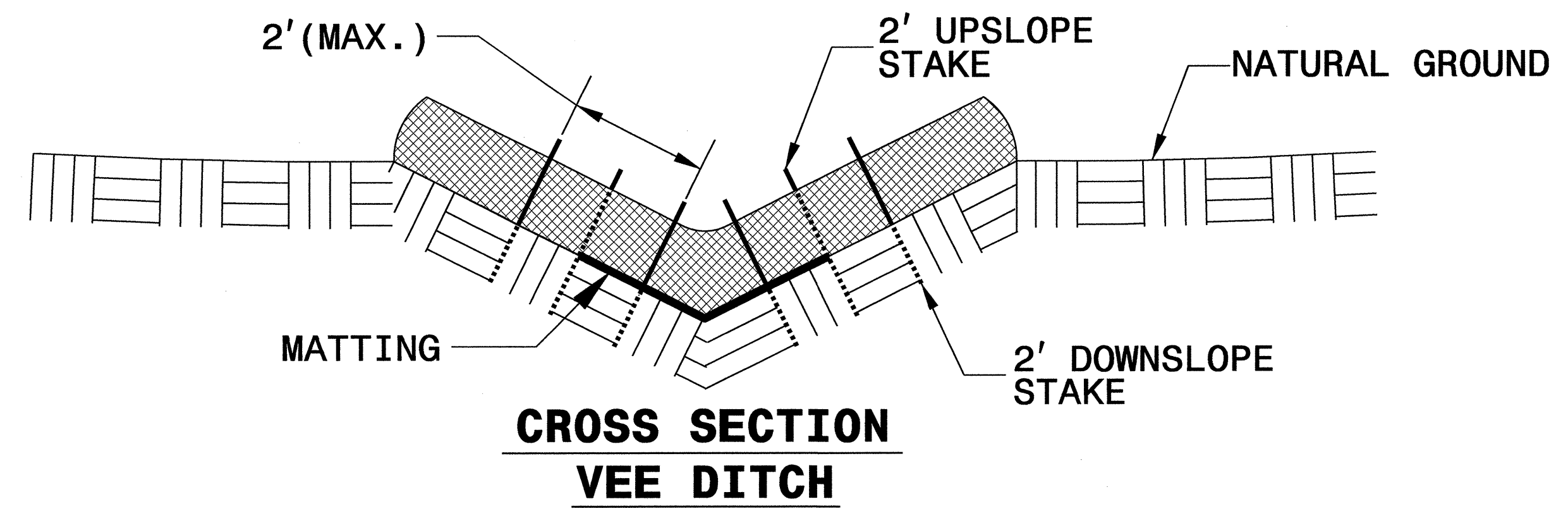
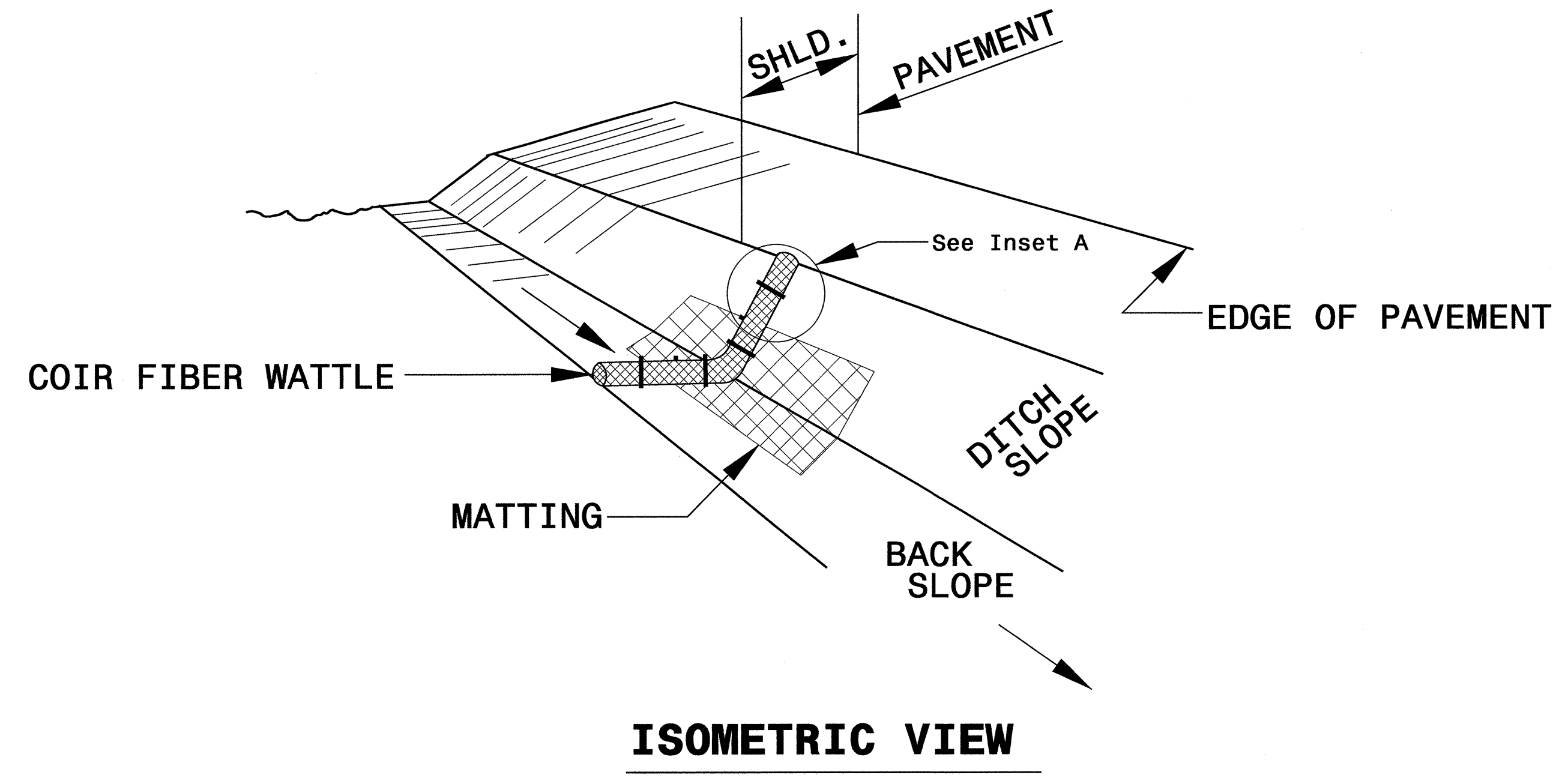


TYPICAL SECTION VIEW

NOT TO SCALE

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.

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

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

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

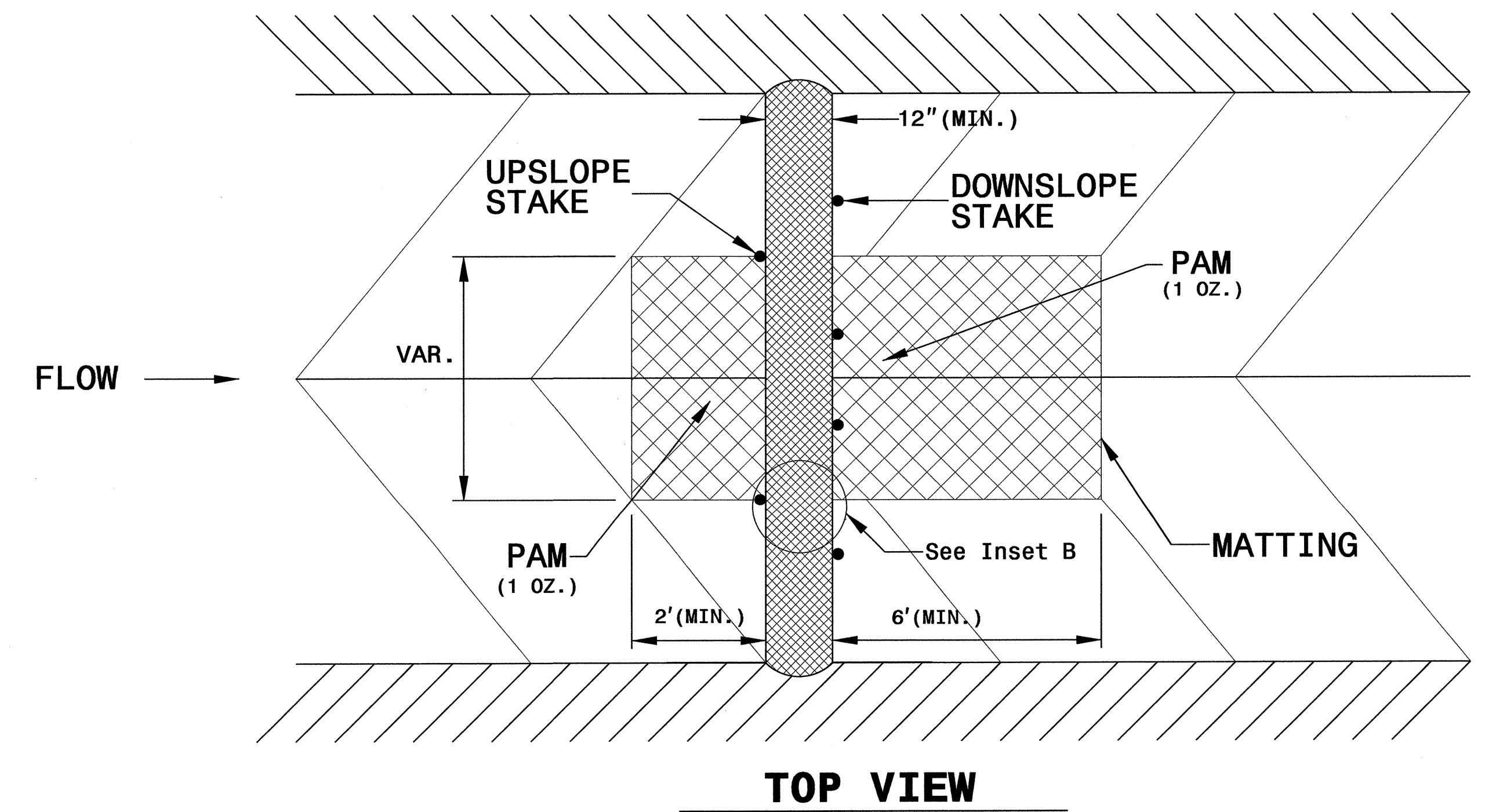
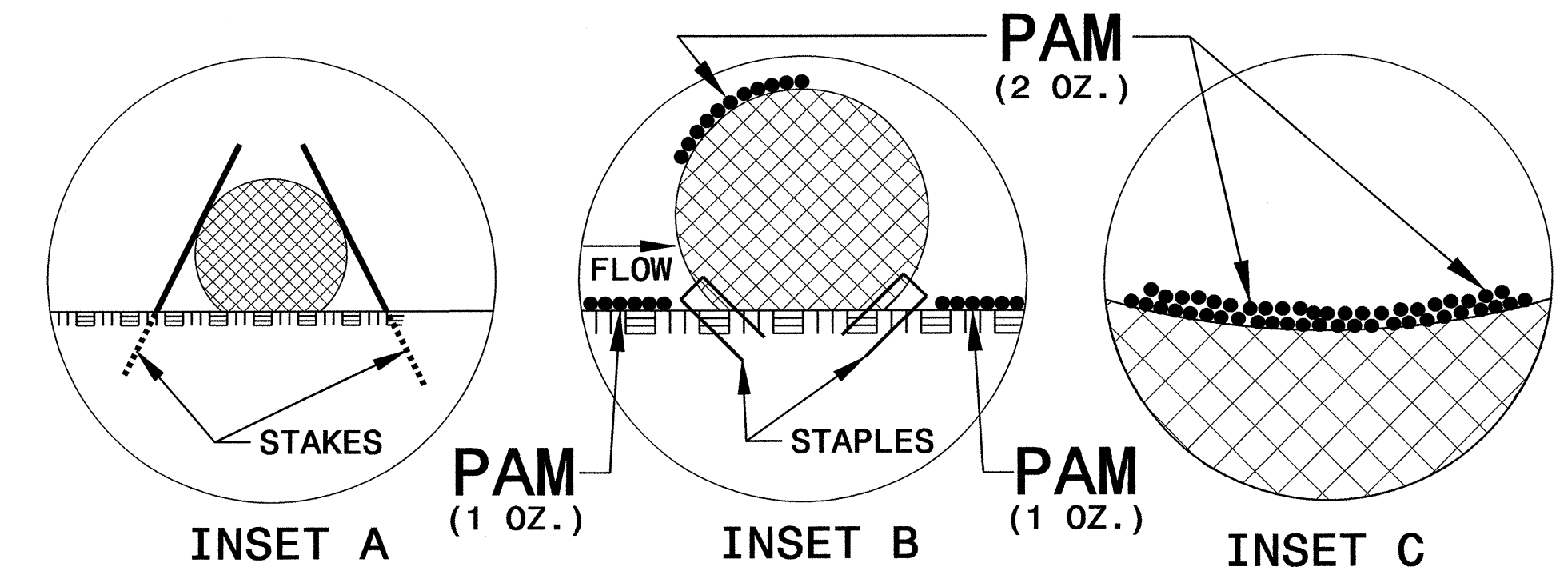
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

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

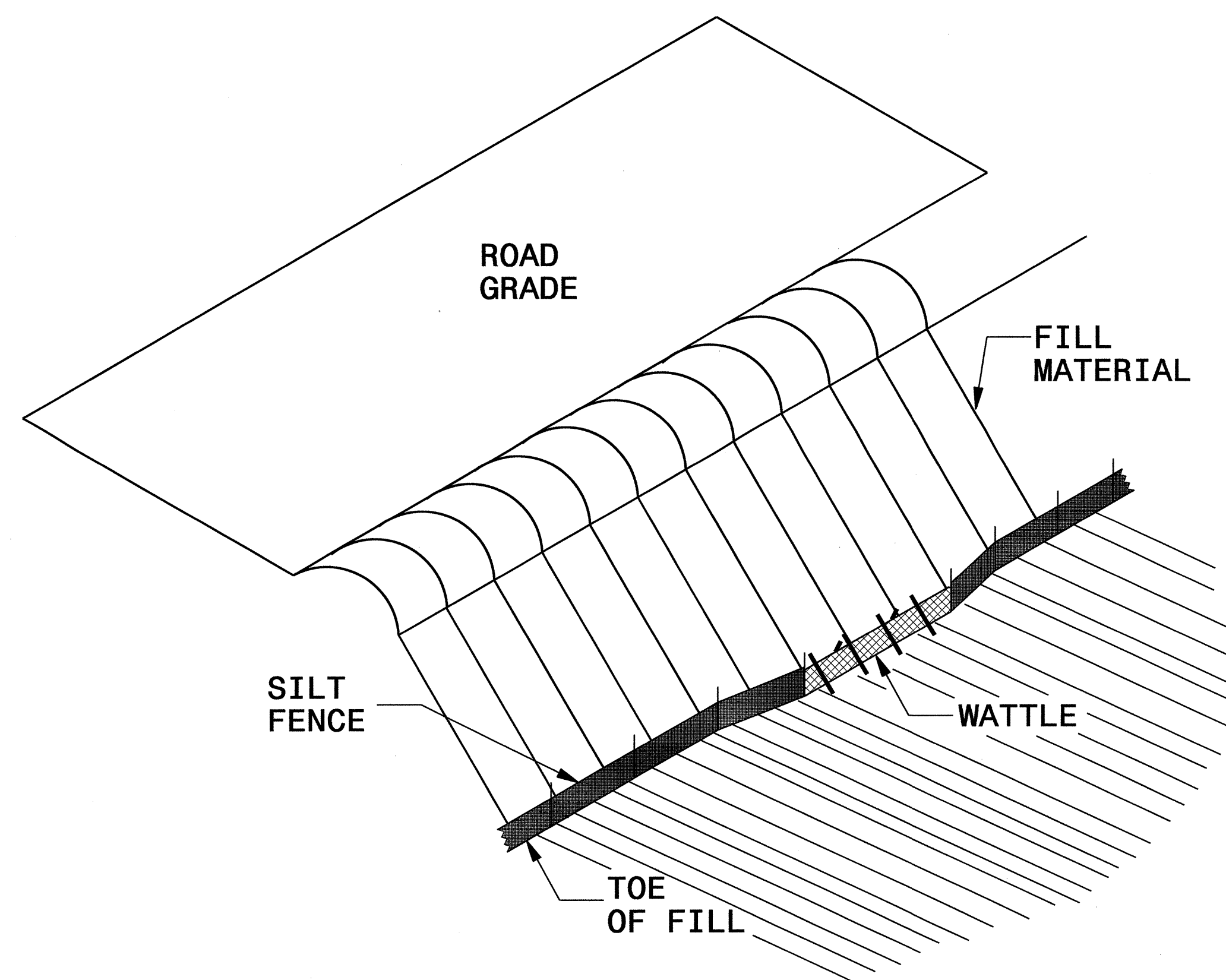
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

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

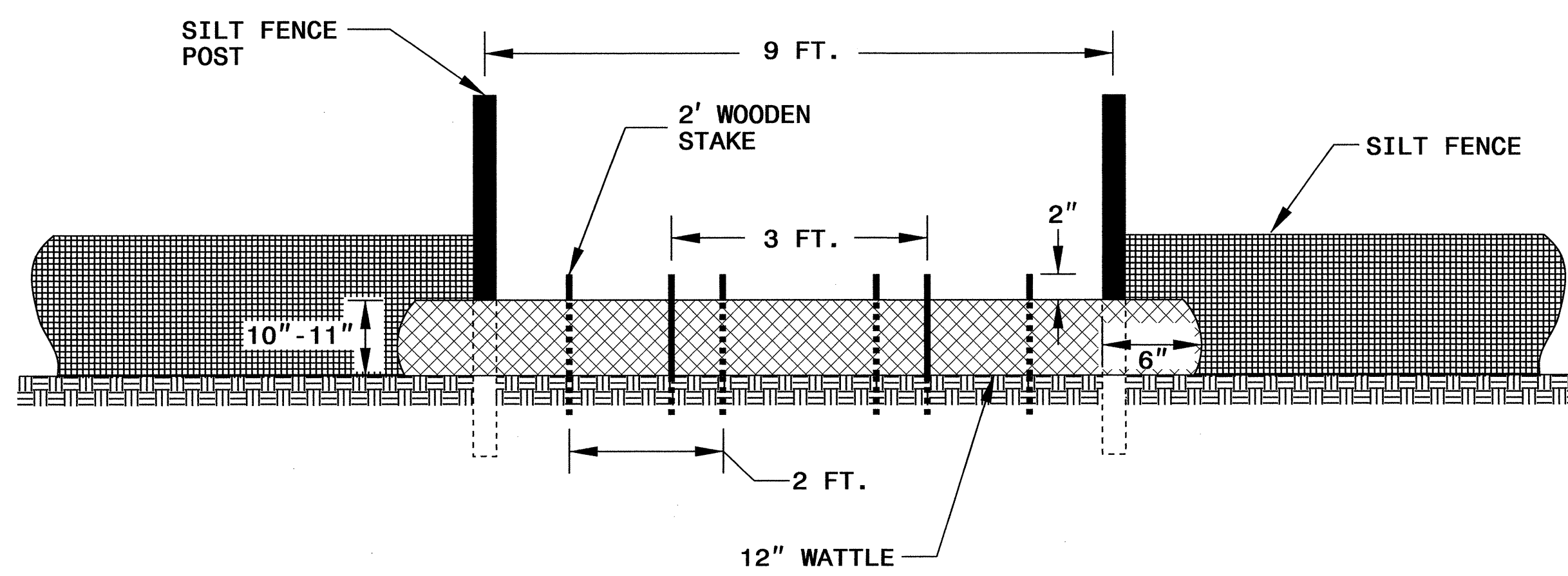


SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO. R-3307		SHEET NO. EC-2D	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



ISOMETRIC VIEW

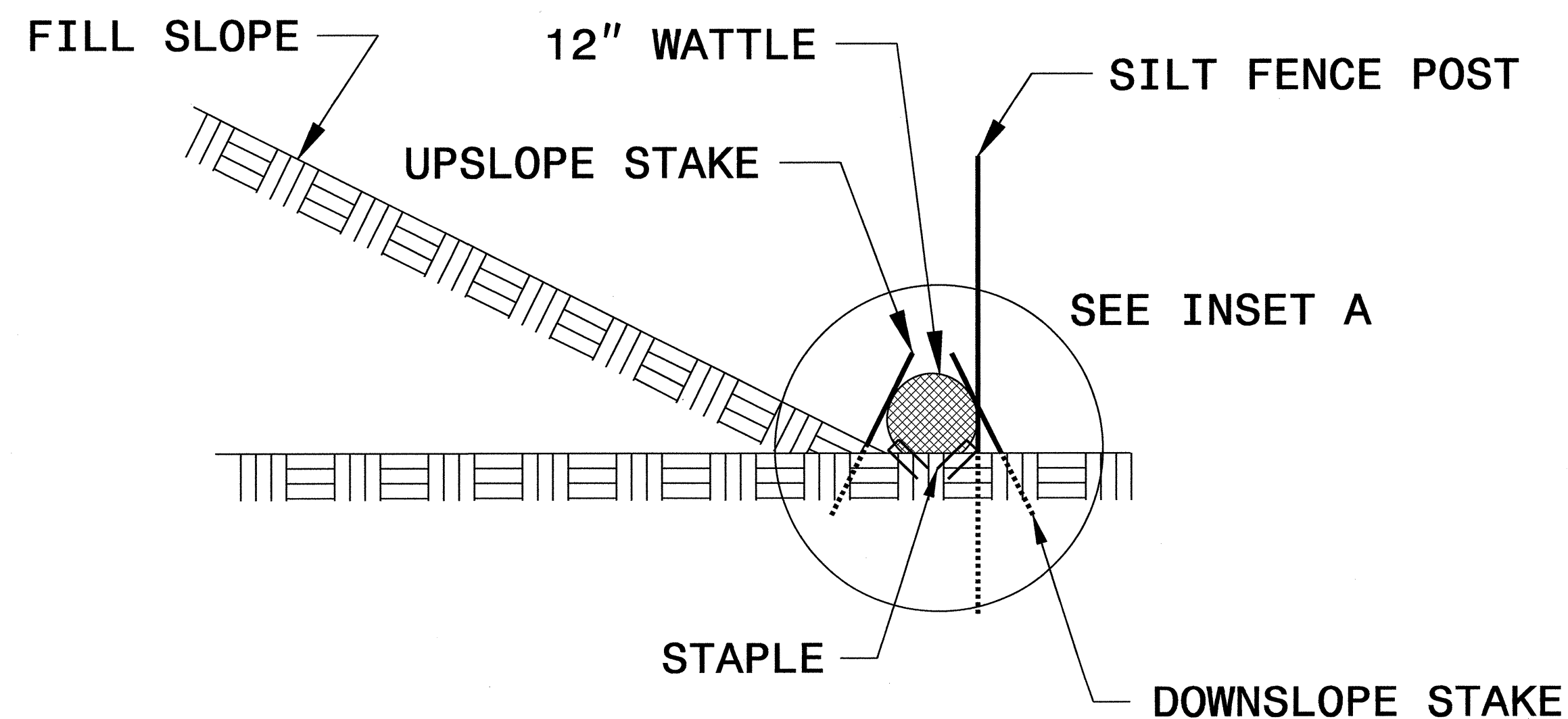
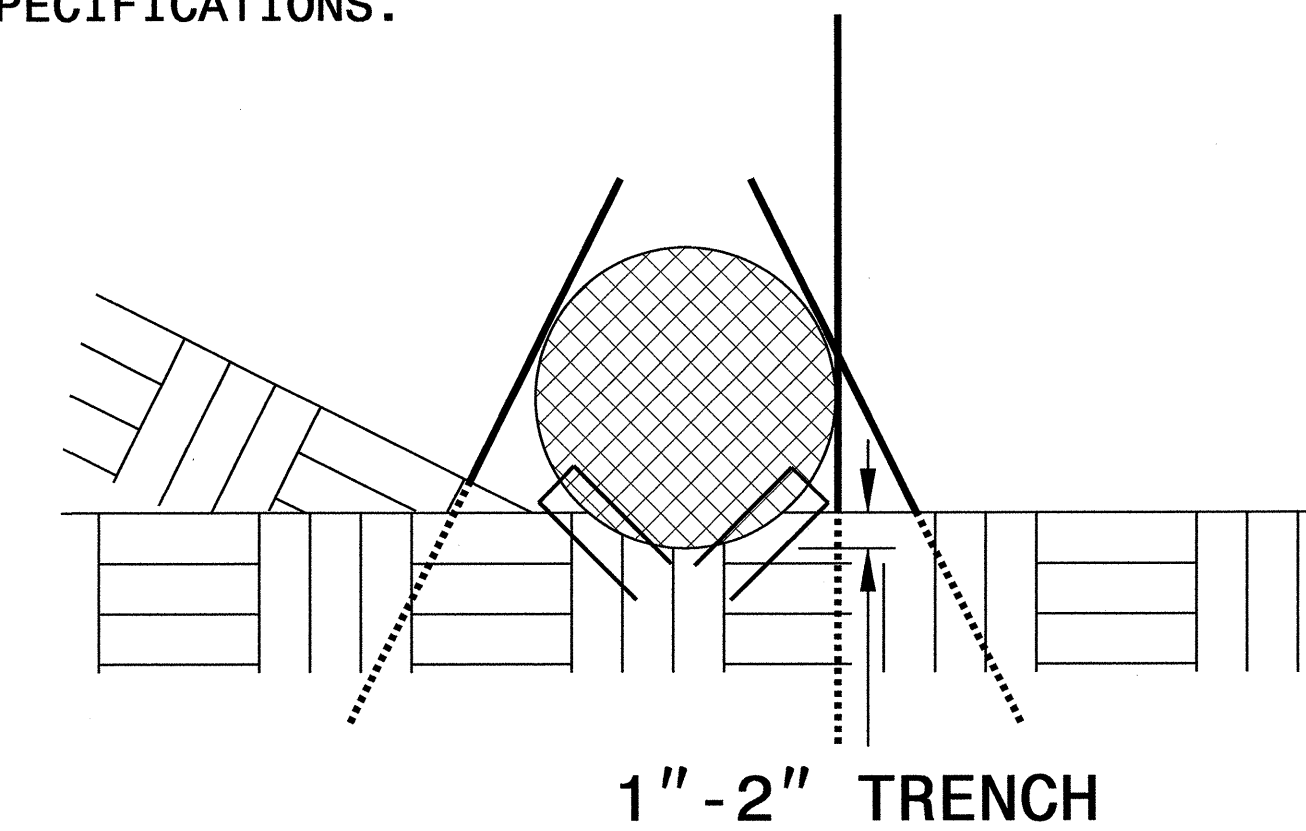


VIEW FROM SLOPE

NOTES:

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

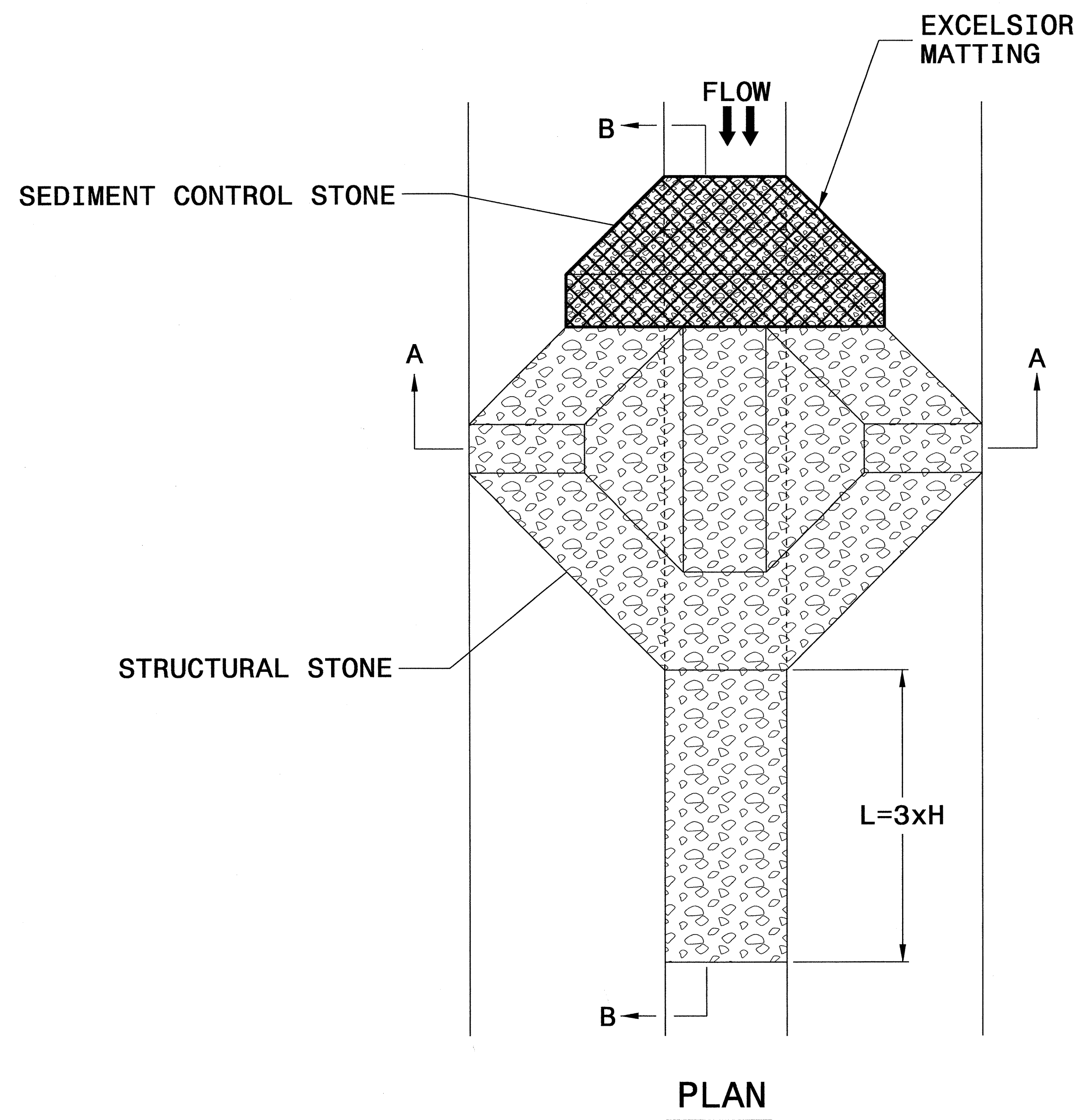
INSET A



SIDE VIEW

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-2E
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)

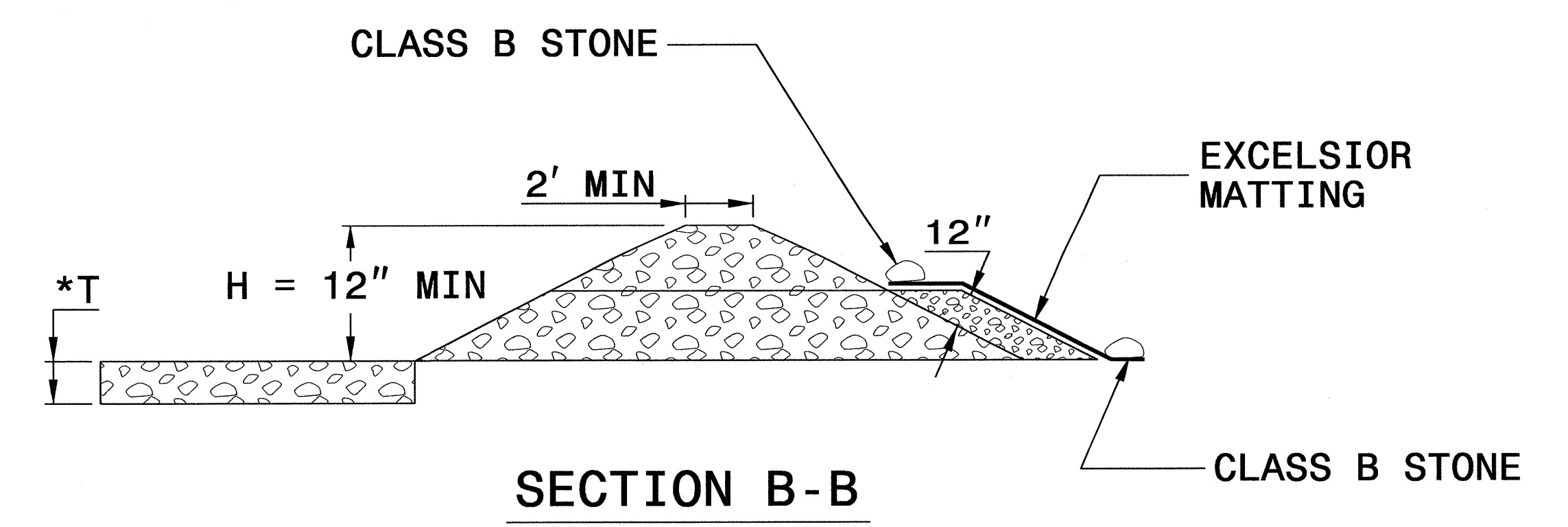
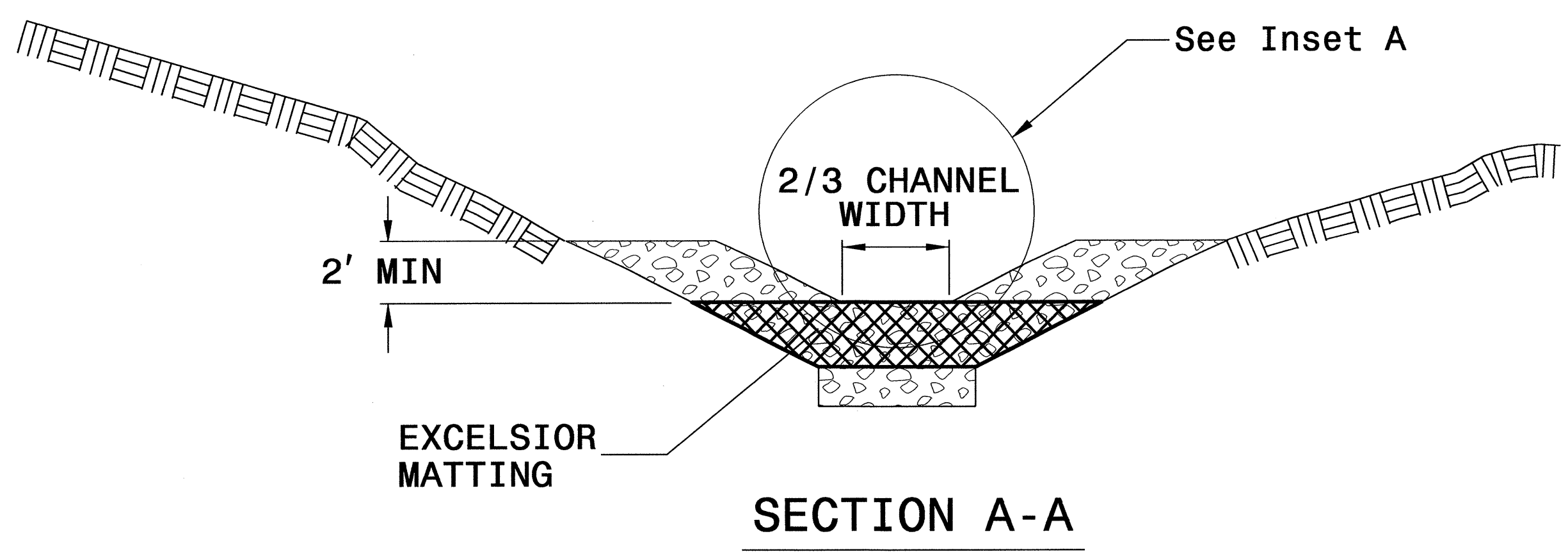
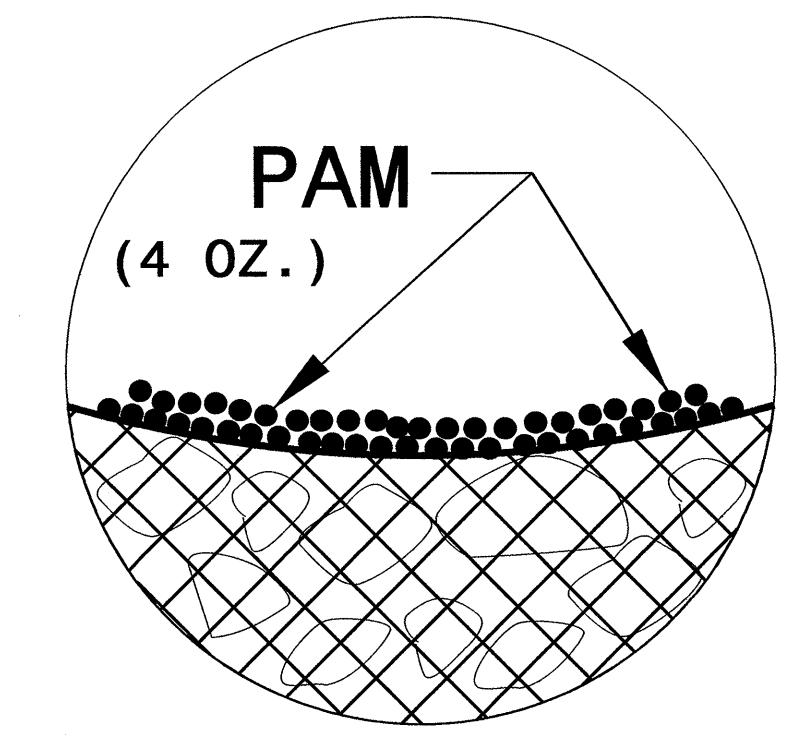


NOTES

USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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

INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



*T = 12" MIN., 18" MAX.

NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>R-3307</i>	SHEET NO. <i>EC-3A</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

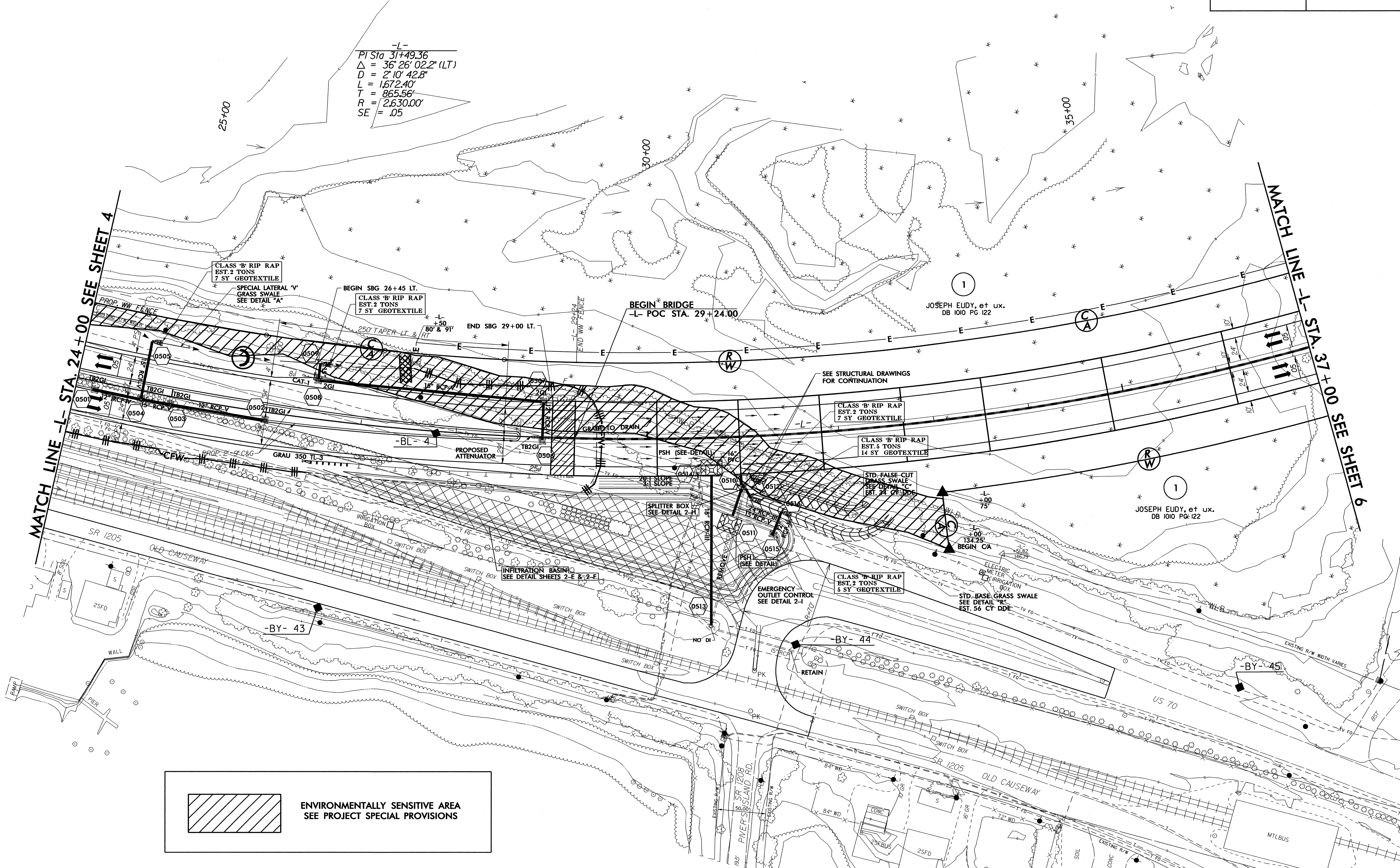
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R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

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



-L-
PI Sta 31+49.36
 $\Delta = 36' 26" 02.2" (LT)$
 $D = 2' 10" 42.8"$
 $L = 1,672.40'$
 $T = 865.56'$
 $R = 2,630.00'$
 $SE = .05$



MATCH LINE -L- STA 24+00 SEE SHEET 4

MATCH LINE -L- STA 37+00 SEE SHEET 6

 ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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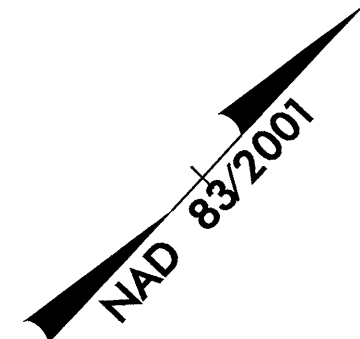
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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

NOTE:
EROSION CONTROL NOT NEEDED ON THIS
PLAN SHEET.

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

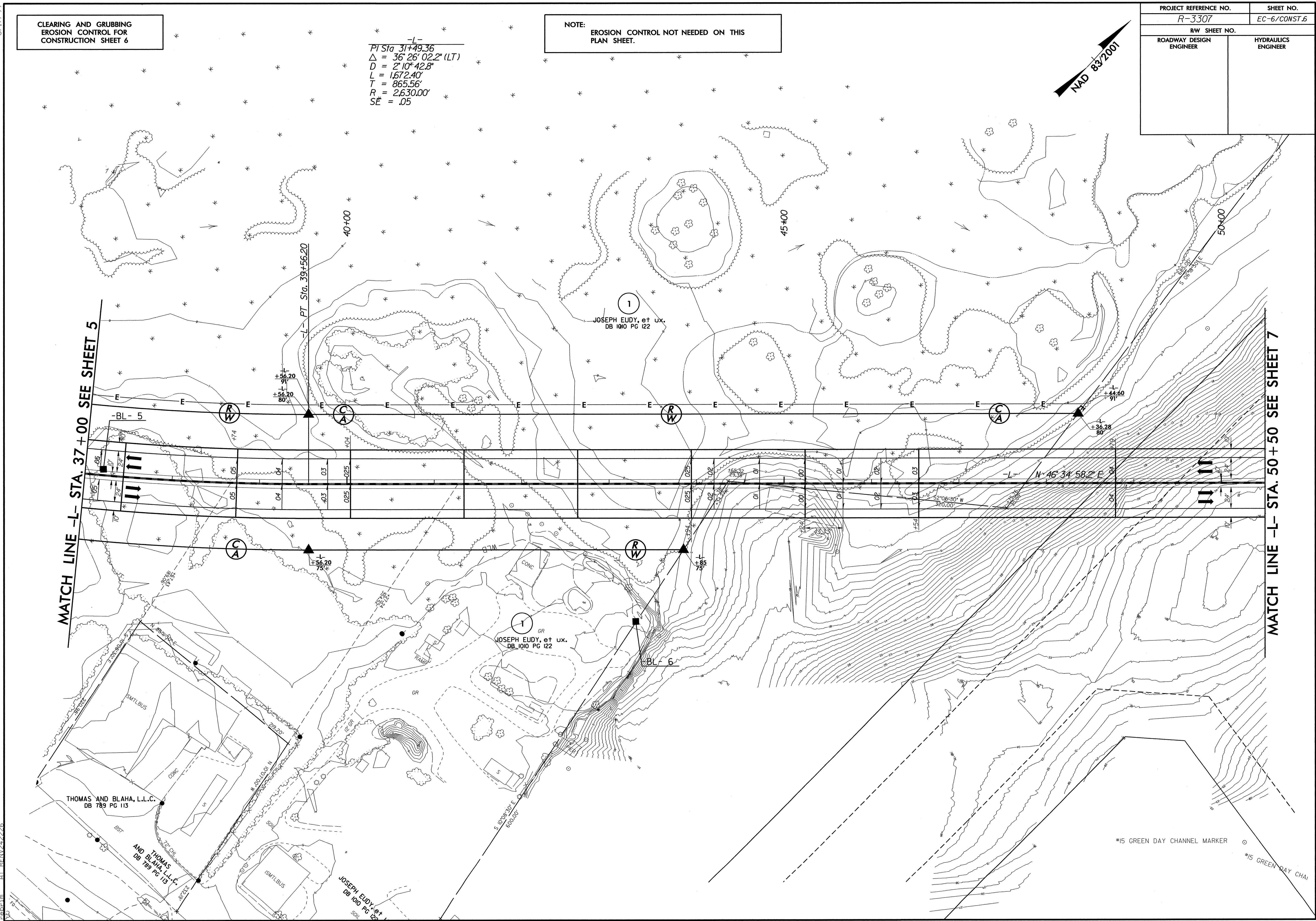
PI Sta 31+49.36
 $\Delta = 36^{\circ} 26' 02.2" (LT)$
 $D = 2^{\circ} 10' 42.8"$
 $L = 1672.40'$
 $T = 865.56'$
 $R = 2,630.00'$
 $SE = .05$



REVISIONS

MATCH LINE -L- STA. 37+00 SEE SHEET 5

MATCH LINE -L- STA. 50+50 SEE SHEET 7



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 Review: JLN

THOMAS AND BLAHA, L.L.C.
 DB 789 PG 115

JOSEPH EUDY, et ux.
 DB 1010 PG 122

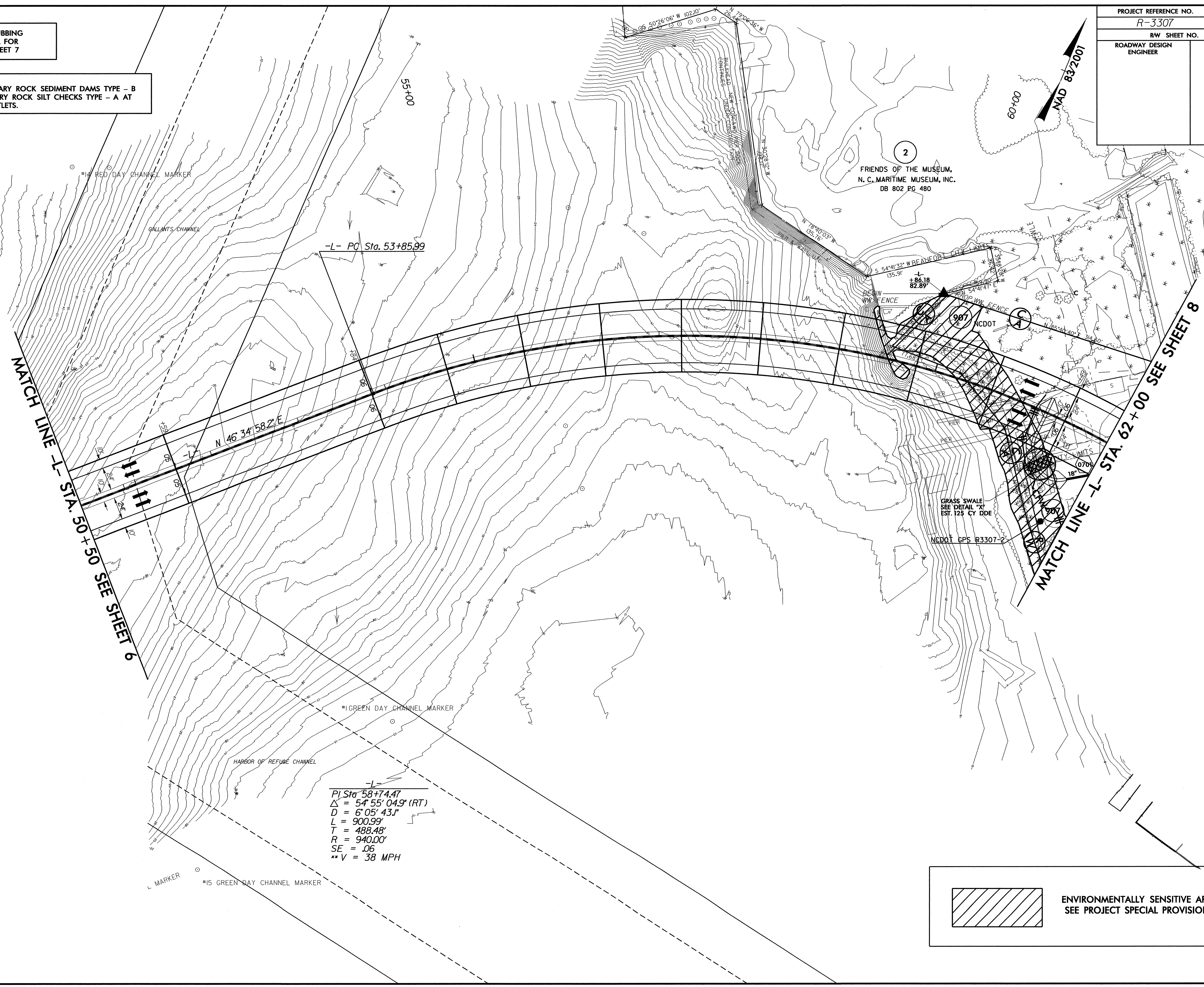
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 #15 GREEN DAY CHAI

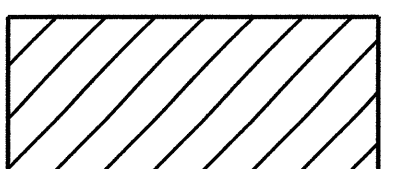
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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

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

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-7/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



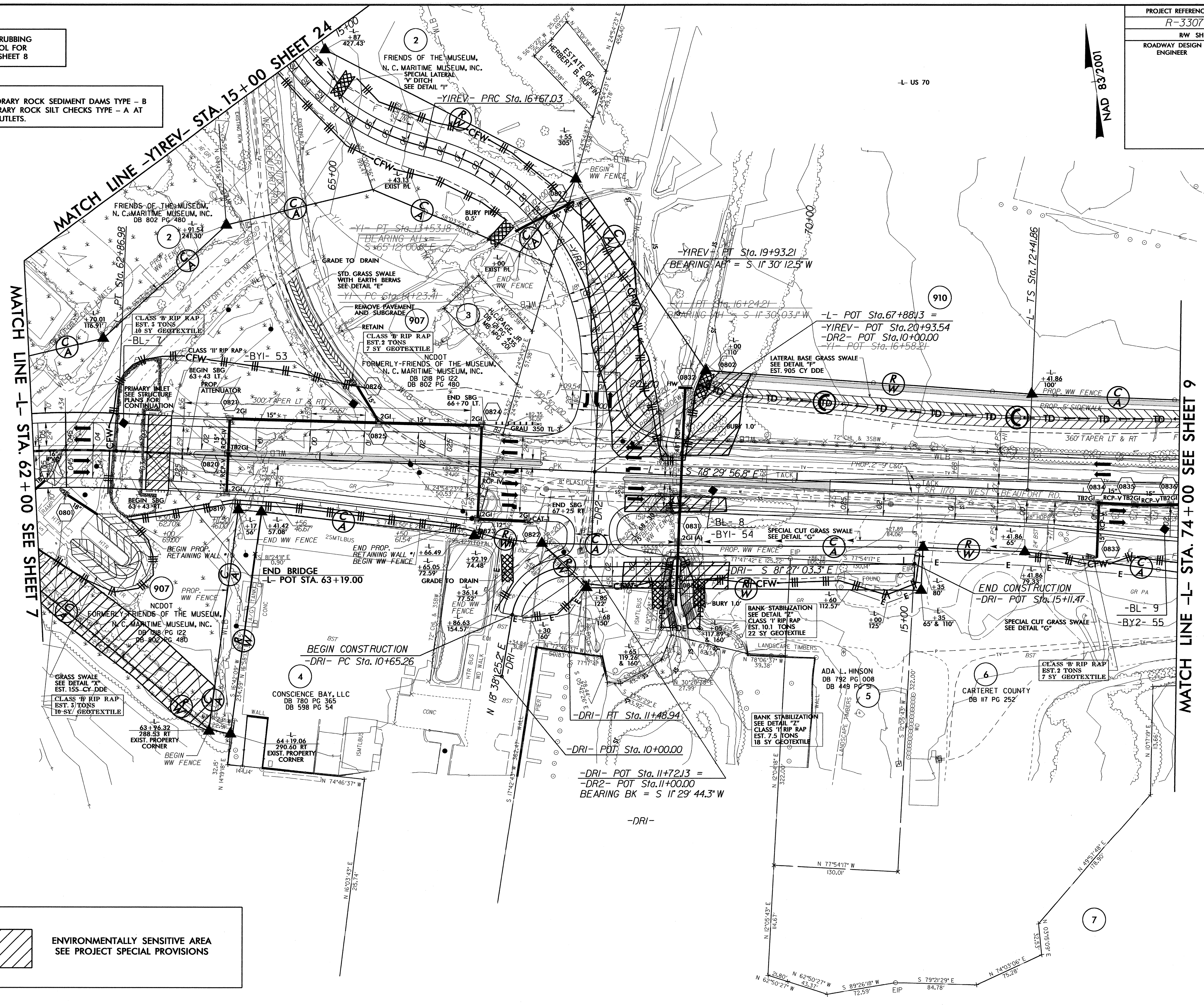
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SEE PROJECT SPECIAL PROVISIONS

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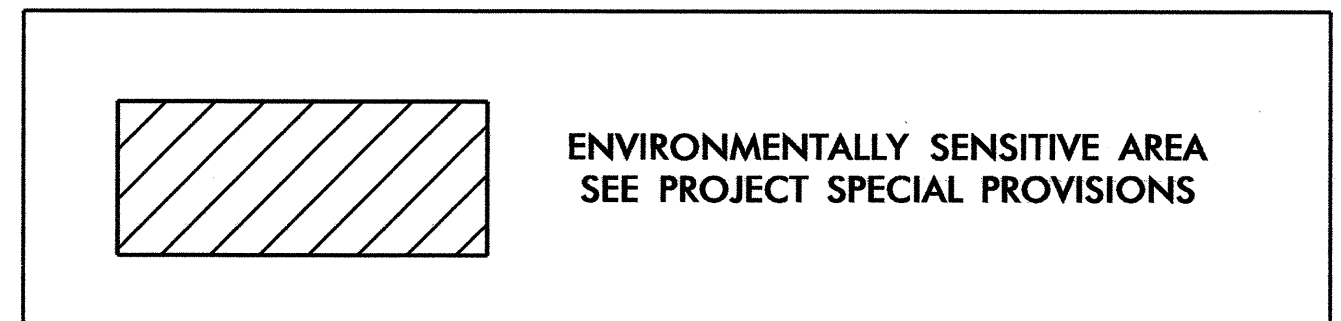
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.



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MATCH LINE -L- STA. 74+00 SEE SHEET 9

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-9/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

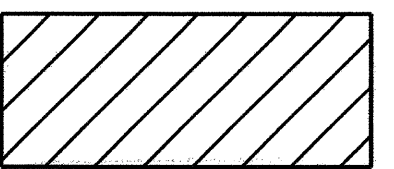
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

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

910

NAD 83/2001



 ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

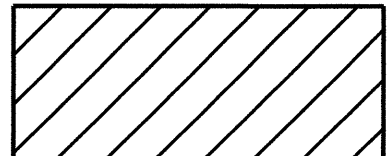
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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

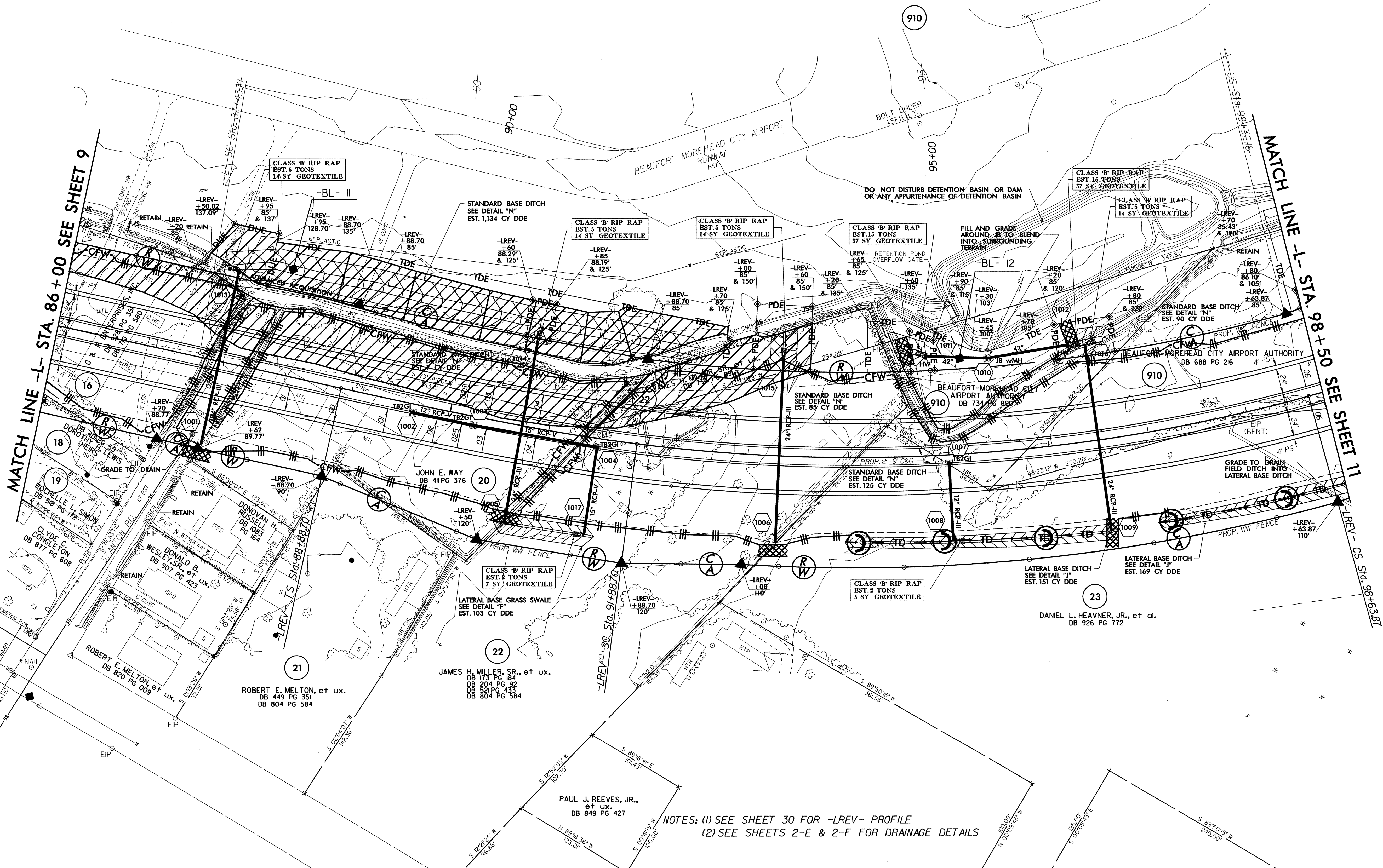
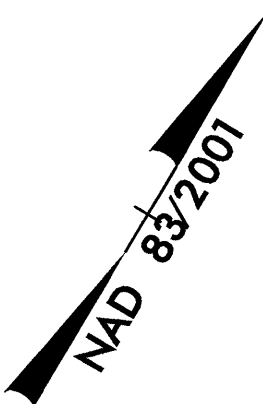
NOTE:

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



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

PROJECT REFERENCE NO. R-3307		SHEET NO. EC-10/CONST.10	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



NOTES: (1) SEE SHEET 30 FOR -LREV- PROFILE
(2) SEE SHEETS 2-E & 2-F FOR DRAINAGE DETAILS

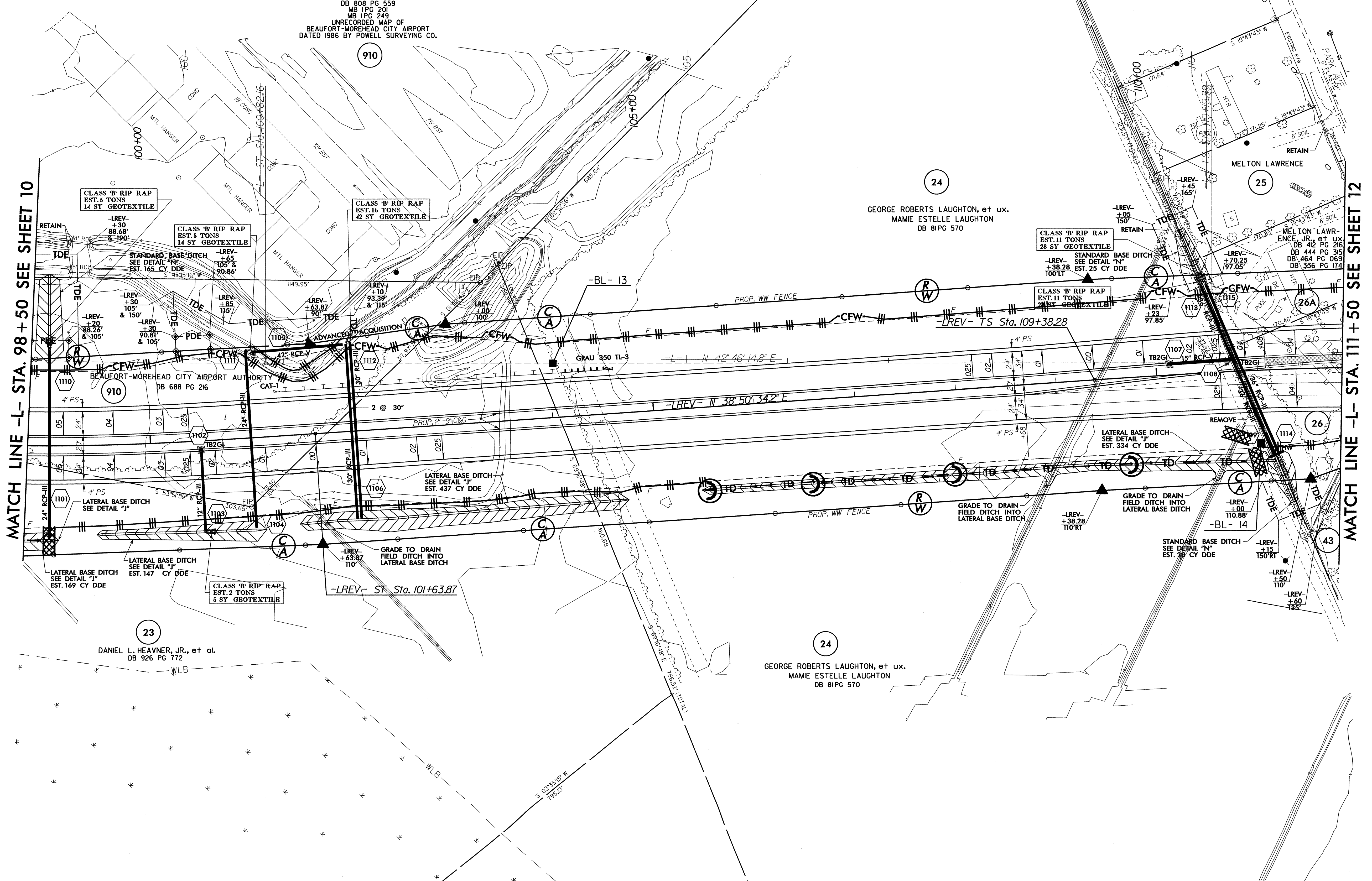
02-MAR-2012 12:24
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AT:RENV242726

PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-II/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

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

BEAUFORT-MOREHEAD CITY
AIRPORT AUTHORITY
DB 11 PG 420
DB 16 PG 554
DB 100 PG 374
DB 100 PG 455
DB 100 PG 471
DB 101 PG 231
DB 101 PG 263
DB 101 PG 265
DB 101 PG 288
DB 101 PG 296
DB 101 PG 331-333
DB 409 PG 18
DB 517 PG 127
DB 524 PG 346
DB 583 PG 142
DB 688 PG 216
DB 734 PG 890
DB 808 PG 559
MB 1 PG 201
MB 1 PG 249
UNRECORDED MAP OF
BEAUFORT-MOREHEAD CITY AIRPORT
DATED 1986 BY POWELL SURVEYING CO.



MATCH LINE -L- STA. 98+50 SEE SHEET 10

MATCH LINE -L- STA. 111+50 SEE SHEET 12

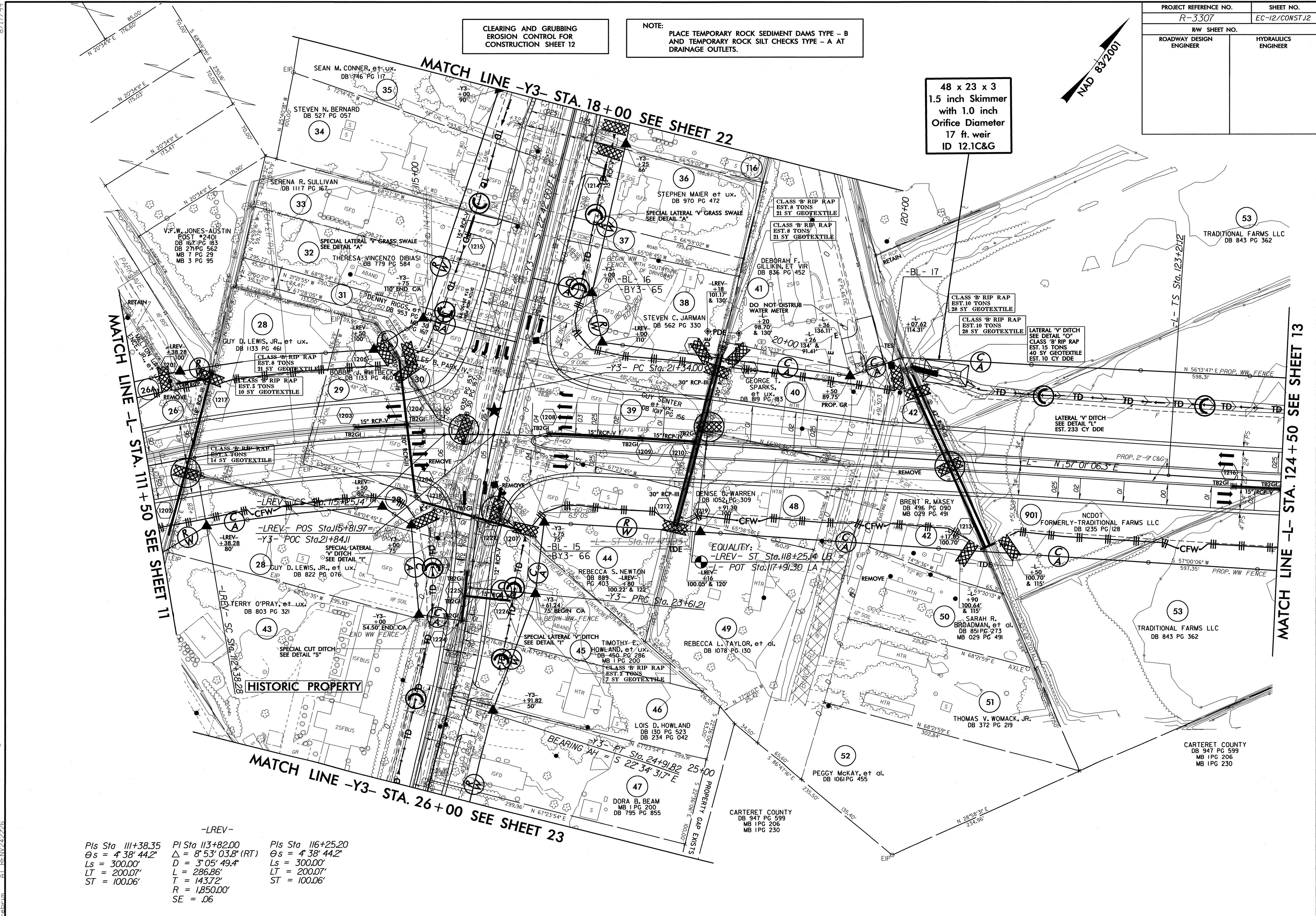
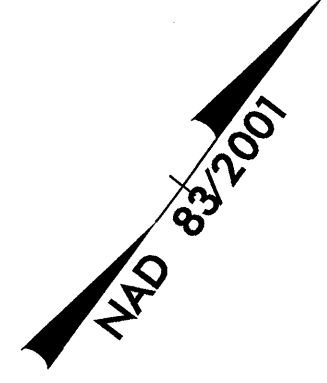
8/17/99
02-MAR-2012 12:27
R:\Environmental\Design\3307-EC-psh-atl.dgn
A:\BEN\24226

PROJECT REFERENCE NO. R-3307		SHEET NO. EC-12/CONST.12	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

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

48 x 23 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
17 ft. weir
ID 12.1C&G



Pls Sta 111+38.35	Pls Sta 113+82.00	Pls Sta 116+25.20
$\theta_s = 4' 38'' 44.2''$	$\Delta = 8' 53'' 03.8''$ (RT)	$\theta_s = 4' 38'' 44.2''$
$L_s = 300.00'$	$D = 3' 05'' 49.4''$	$L_s = 300.00'$
$LT = 200.07'$	$L = 286.86'$	$LT = 200.07'$
$ST = 100.06'$	$T = 143.72'$	$ST = 100.06'$
	$R = 1,850.00'$	
	$SE = .06$	

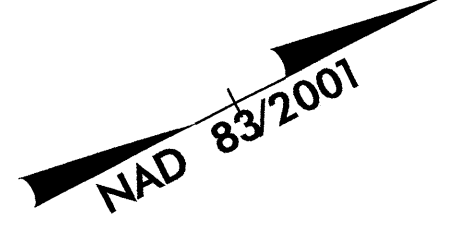
8/17/99
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DATE PLOTTED: 12/22/2012 10:25:26 AM

8/17/99

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

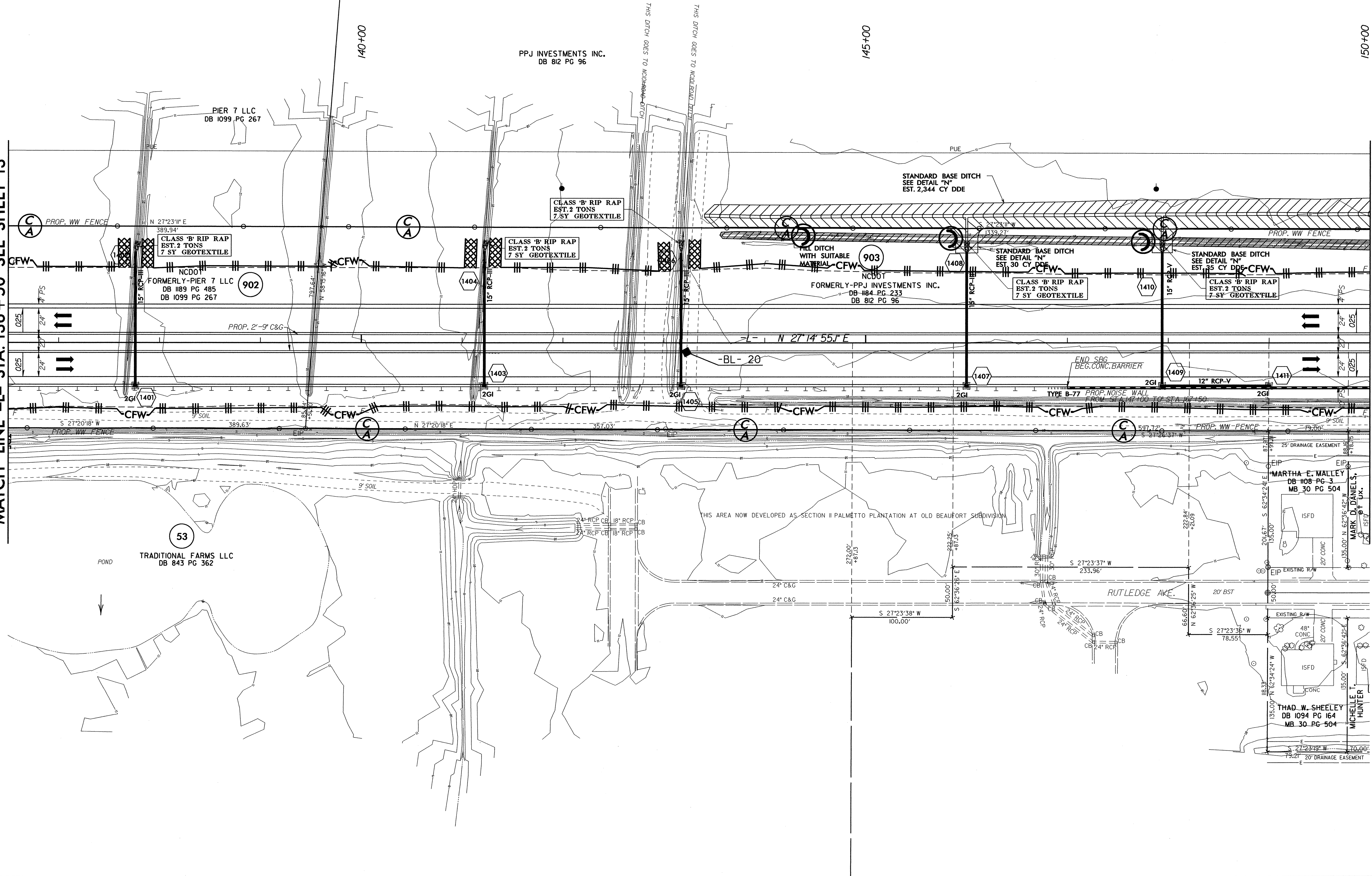
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

PROJECT REFERENCE NO. R-3307		SHEET NO. EC-14/CONST.14	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



MATCH LINE -L- STA. 136 + 50 SEE SHEET 13

MATCH LINE -L- STA. 150 + 00 SEE SHEET 15

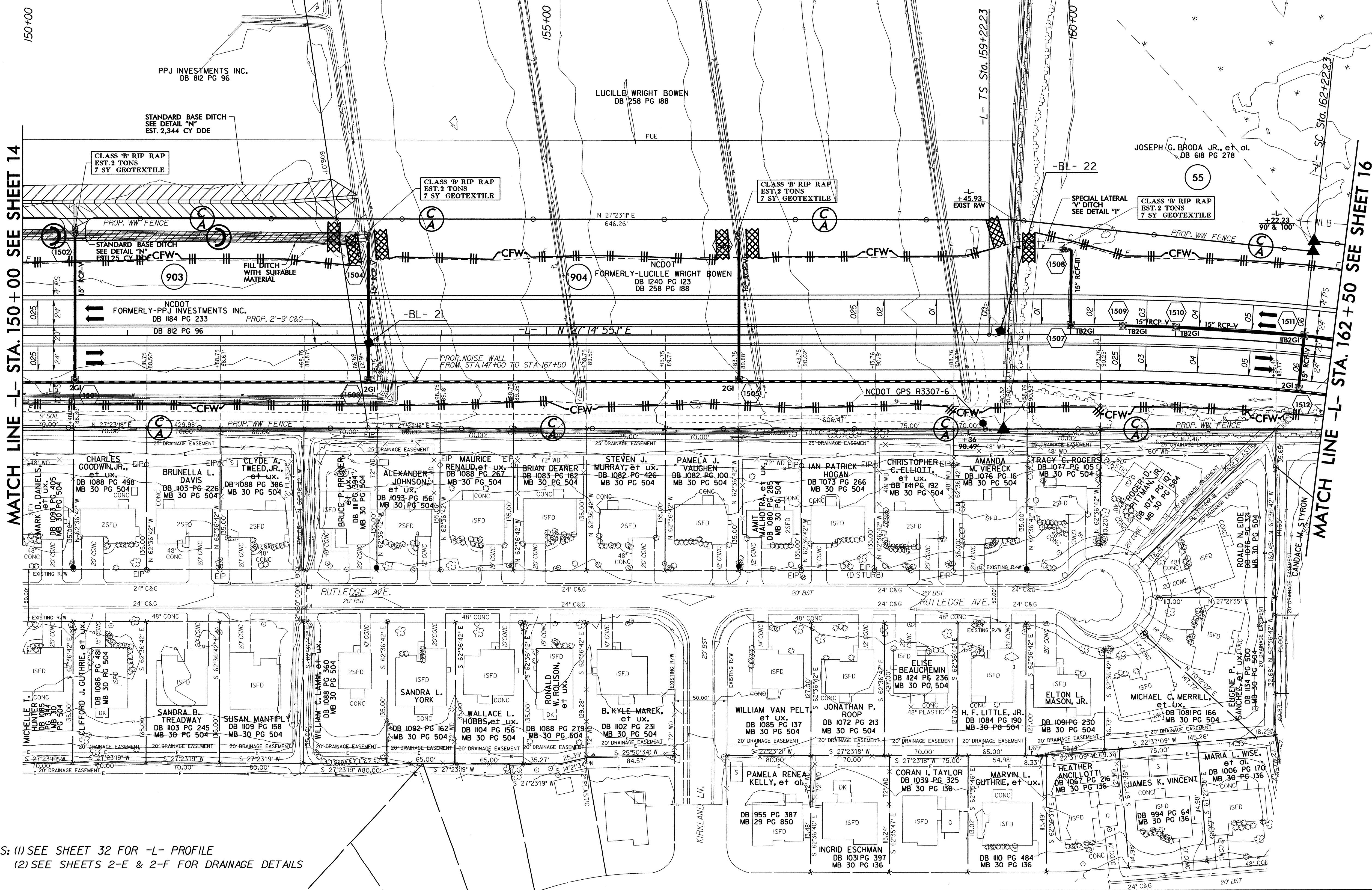
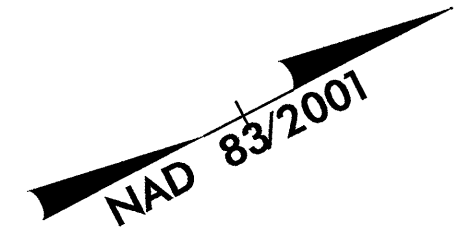


02-MAR-2012 12:50
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 AT REN24226

PROJECT REFERENCE NO.		SHEET NO.	
R-3307		EC-15/CONST.15	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER			

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 15



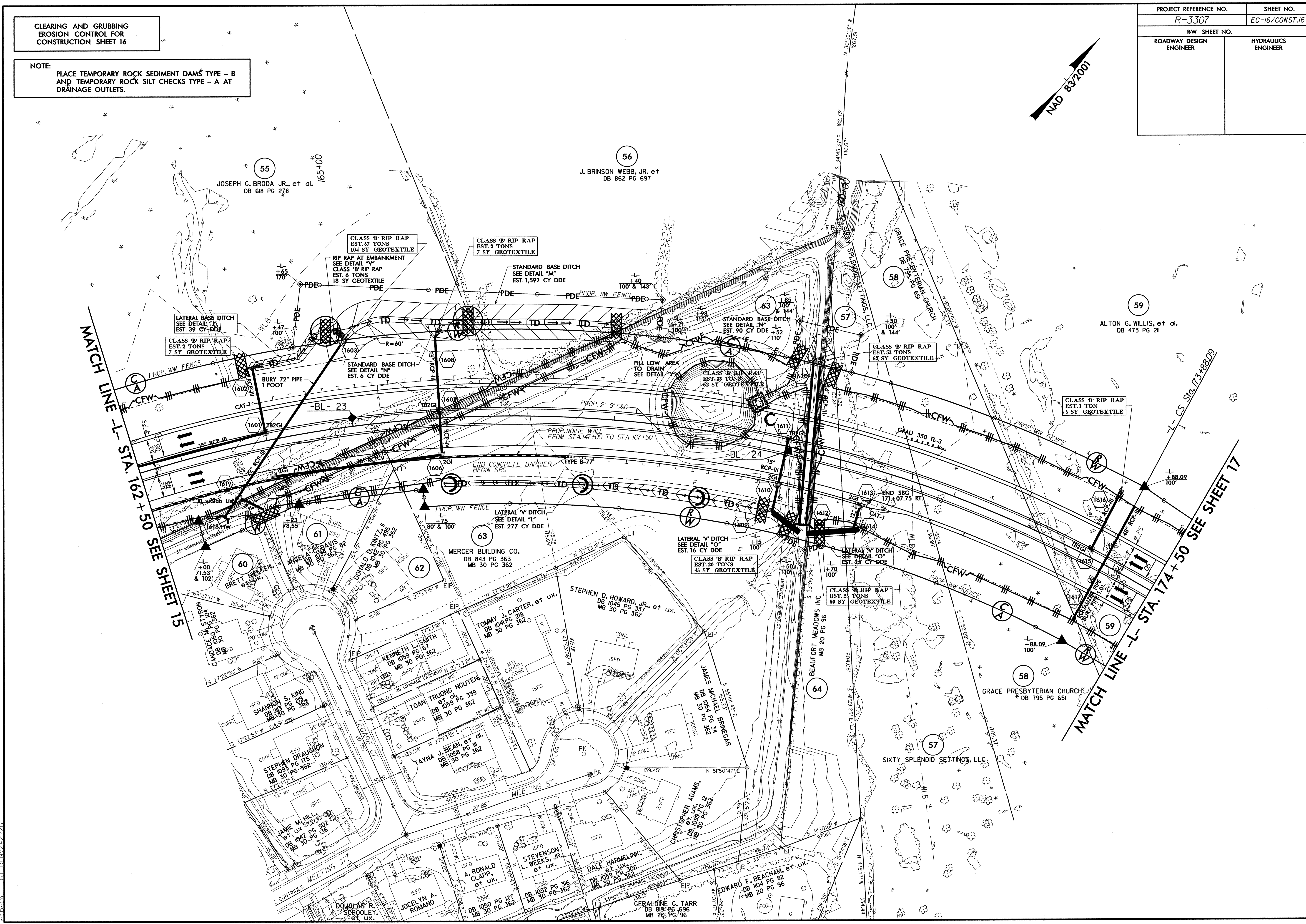
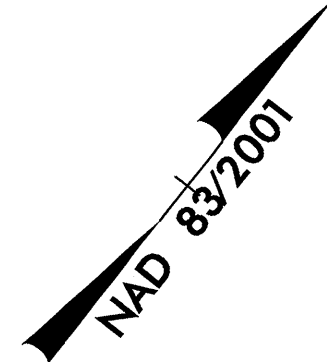
NOTES: (1) SEE SHEET 32 FOR -L- PROFILE
(2) SEE SHEETS 2-E & 2-F FOR DRAINAGE DETAILS

02-MAR-2012 12:54
 C:\p\on\ec\3307-EC_psh.s15.dgn
 AT:RENN242226

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. R-3307	SHEET NO. EC-16/CONST.16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

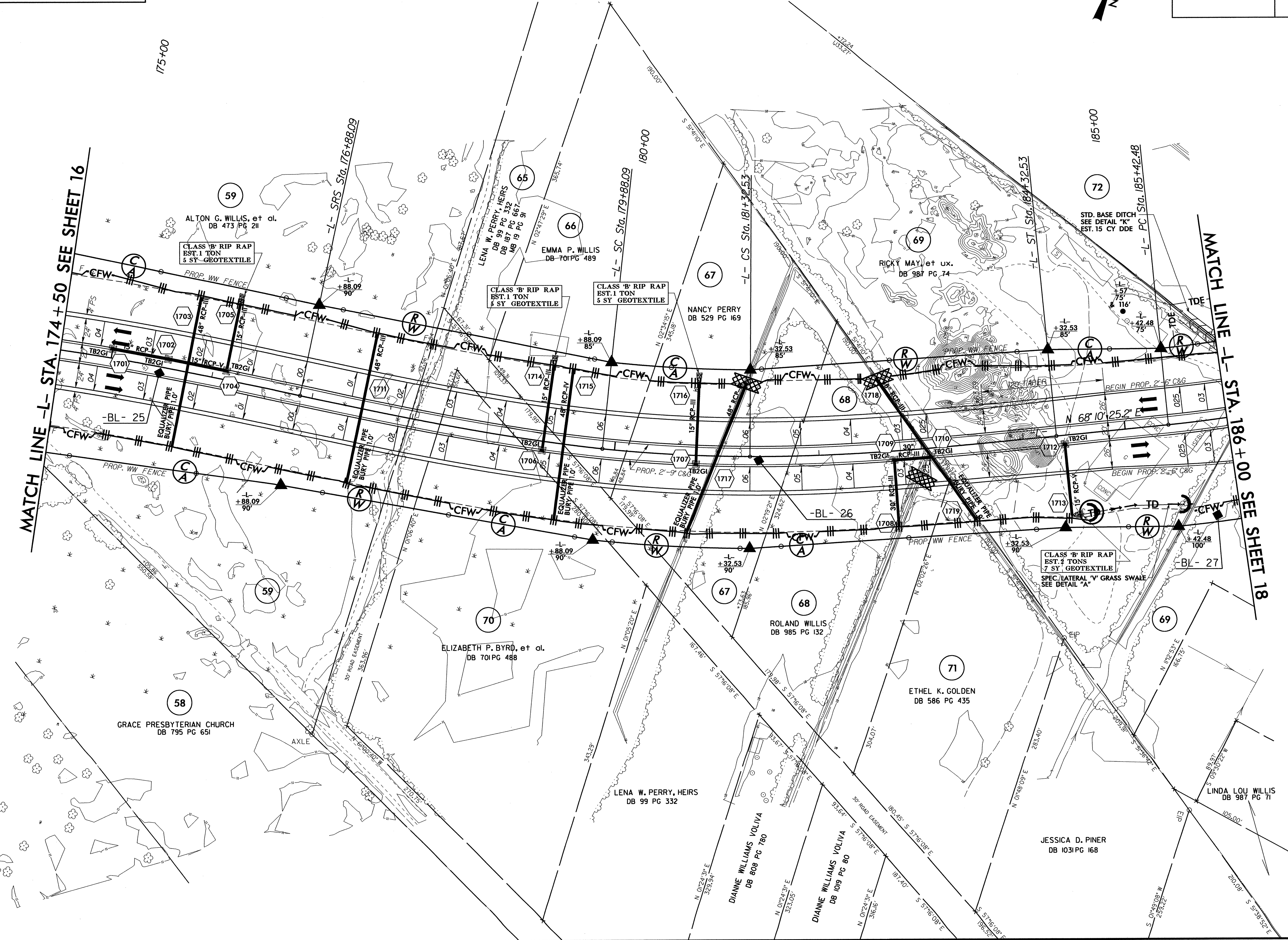
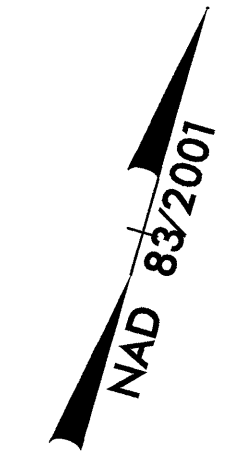


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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 17

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

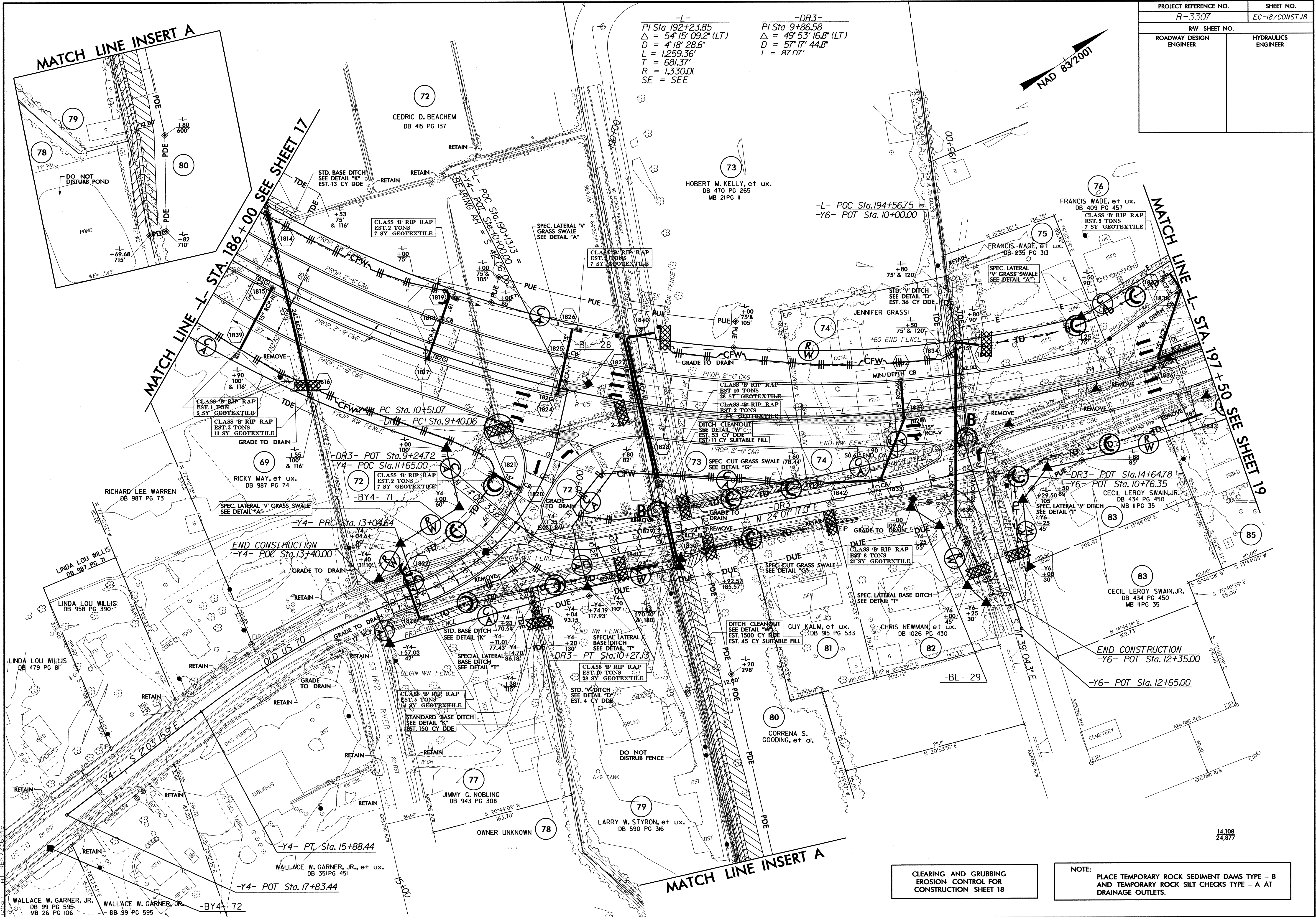
PROJECT REFERENCE NO. R-3307	SHEET NO. EC-17/CONST.17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-18/CONST.18
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
 PI Sta 192+23.85
 $\Delta = 54' 15" 09.2" (LT)$
 $D = 4' 18" 28.6"$
 $L = 1,259.36'$
 $T = 681.37'$
 $R = 1,330.0'$
 SE = SEE

-DR3-
 PI Sta 9+86.58
 $\Delta = 49' 53" 16.8" (LT)$
 $D = 57' 17" 44.8"$
 $I = 87.07'$



MATCH LINE INSERT A

MATCH LINE -L- STA. 186+00 SEE SHEET 17

MATCH LINE -L- STA. 197+50 SEE SHEET 19

MATCH LINE INSERT A

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 18

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

7-AUG-2019 08:49
 R:\Environmental\Design\3307_EC_pah.s18.dgn
 C:\Users\paw\OneDrive\Documents\3307_EC_pah.s18.dgn

14.108
24.877

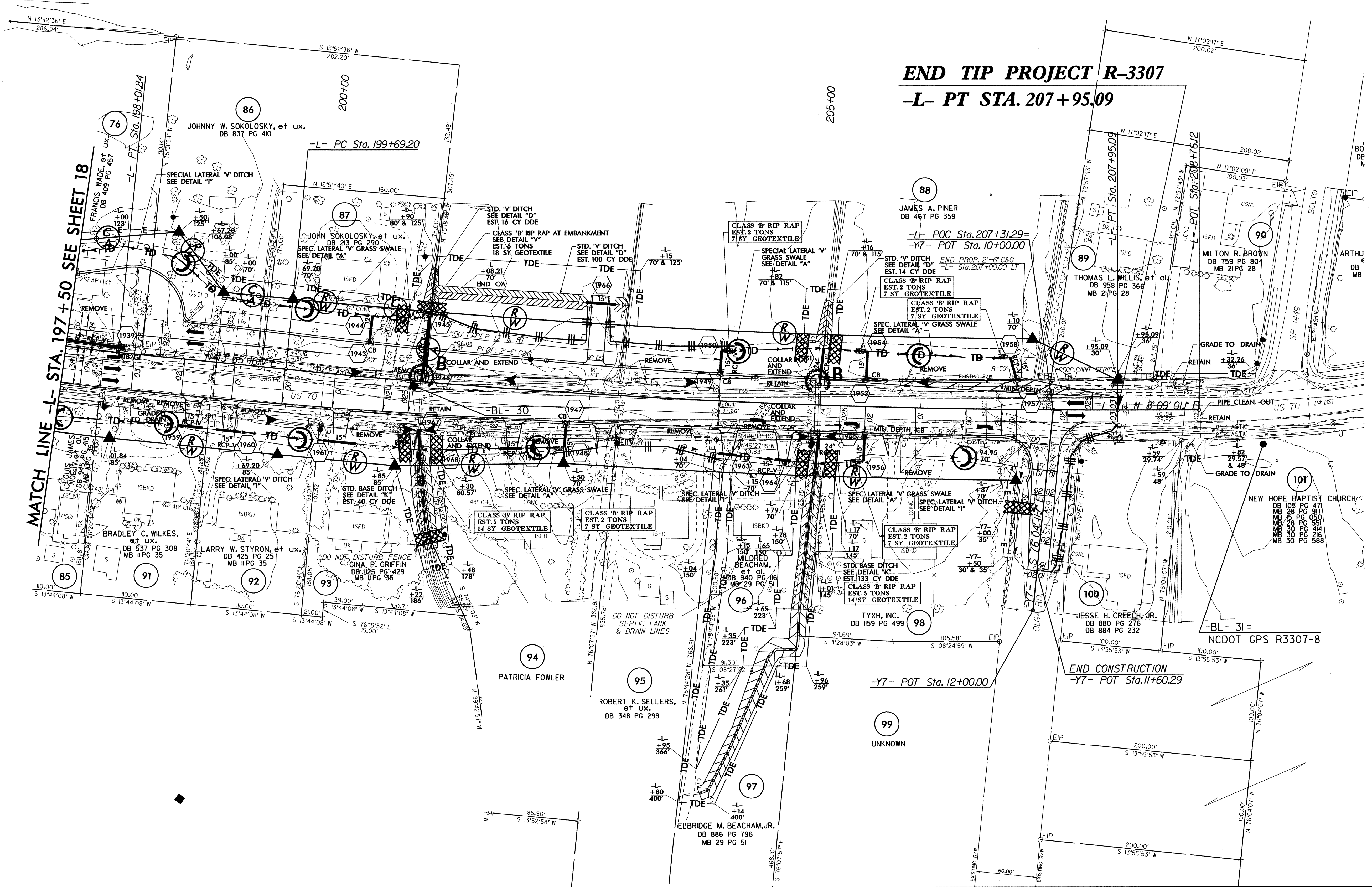
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 19

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

PROJECT REFERENCE NO. R-3307		SHEET NO. EC-19/CONST.19	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

NAD 83/2001

END TIP PROJECT R-3307
-L- PT STA. 207+95.09



MATCH LINE -L- STA. 197+50 SEE SHEET 18

02-MAR-2012 15:09
R:\Envr\comments\Design\3307-EC-psh.s19.dgn
submittal

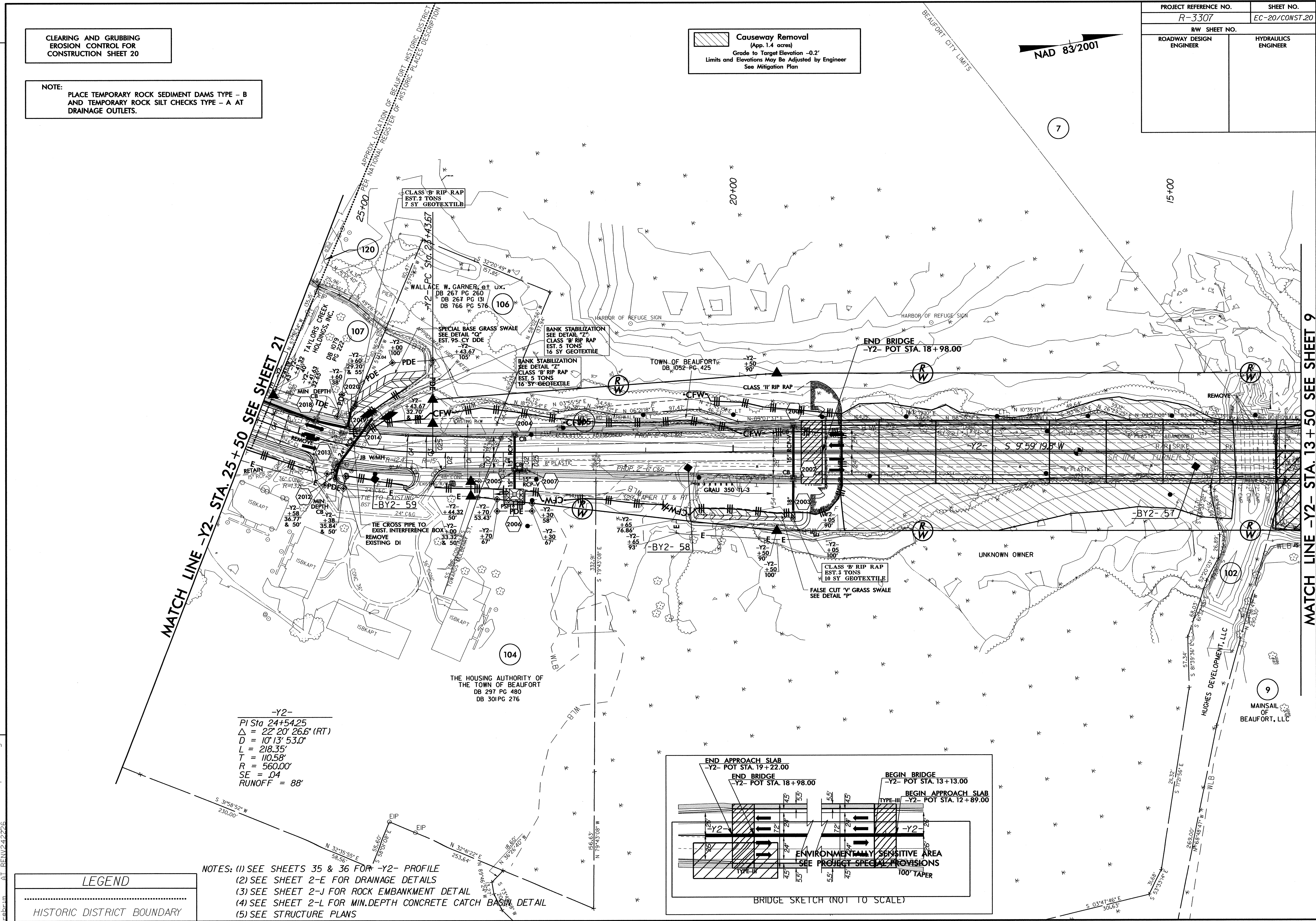
PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-20/CONST.20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 20

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

Causeway Removal
(App. 1.4 acres)
Grade to Target Elevation -0.2'
Limits and Elevations May Be Adjusted by Engineer
See Mitigation Plan

NAD 83/2001



MATCH LINE -Y2- STA. 25+50 SEE SHEET 21

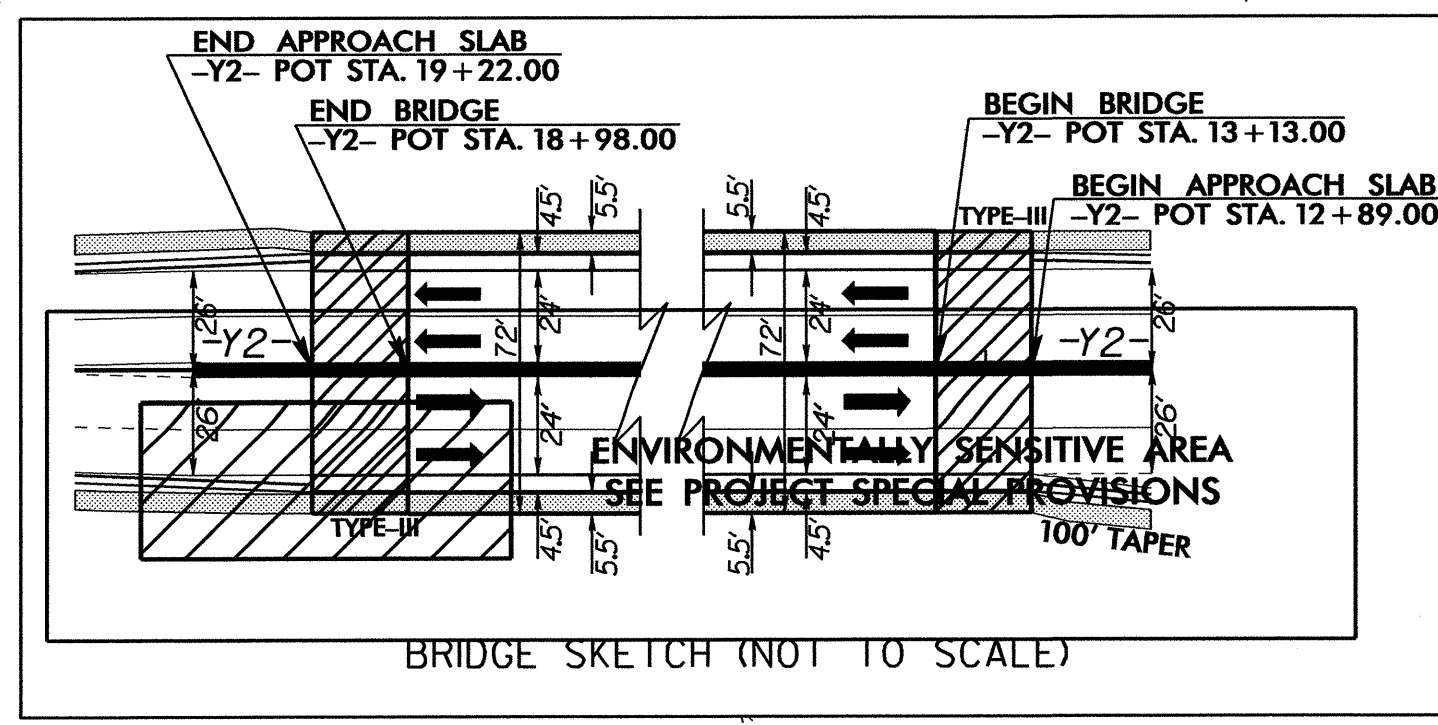
MATCH LINE -Y2- STA. 13+50 SEE SHEET 9

-Y2-
PI Sta 24+54.25
 $\Delta = 22' 20" 26.6'$ (RT)
 $D = 10' 13" 53.0'$
 $L = 218.35'$
 $T = 110.58'$
 $R = 560.00'$
 $SE = .04$
RUNOFF = 88'

- NOTES: (1) SEE SHEETS 35 & 36 FOR -Y2- PROFILE
(2) SEE SHEET 2-E FOR DRAINAGE DETAILS
(3) SEE SHEET 2-J FOR ROCK EMBANKMENT DETAIL
(4) SEE SHEET 2-L FOR MIN. DEPTH CONCRETE CATCH BASIN DETAIL
(5) SEE STRUCTURE PLANS

LEGEND

.....	HISTORIC DISTRICT BOUNDARY
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REVISIONS

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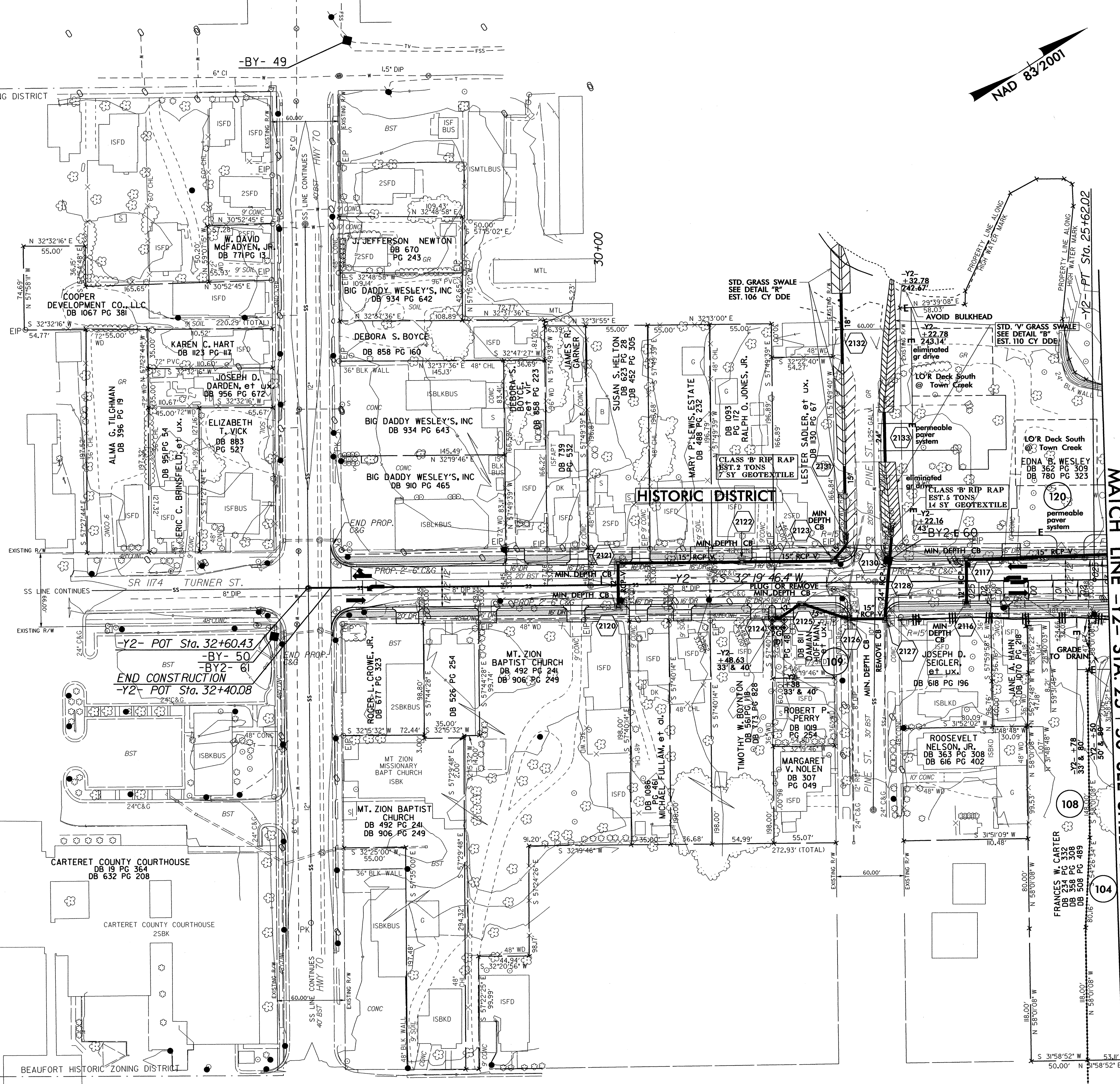
PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-21/CONST.21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.



BEAUFORT HISTORIC ZONING DISTRICT



MATCH LINE -Y2- STA. 25+50 SEE SHEET 20

LEGEND
.....
HISTORIC DISTRICT BOUNDARY

APPROX. LOCATION OF BEAUFORT HISTORIC DISTRICT
PER NATIONAL REGISTER OF HISTORIC PLACES DESCRIPTION

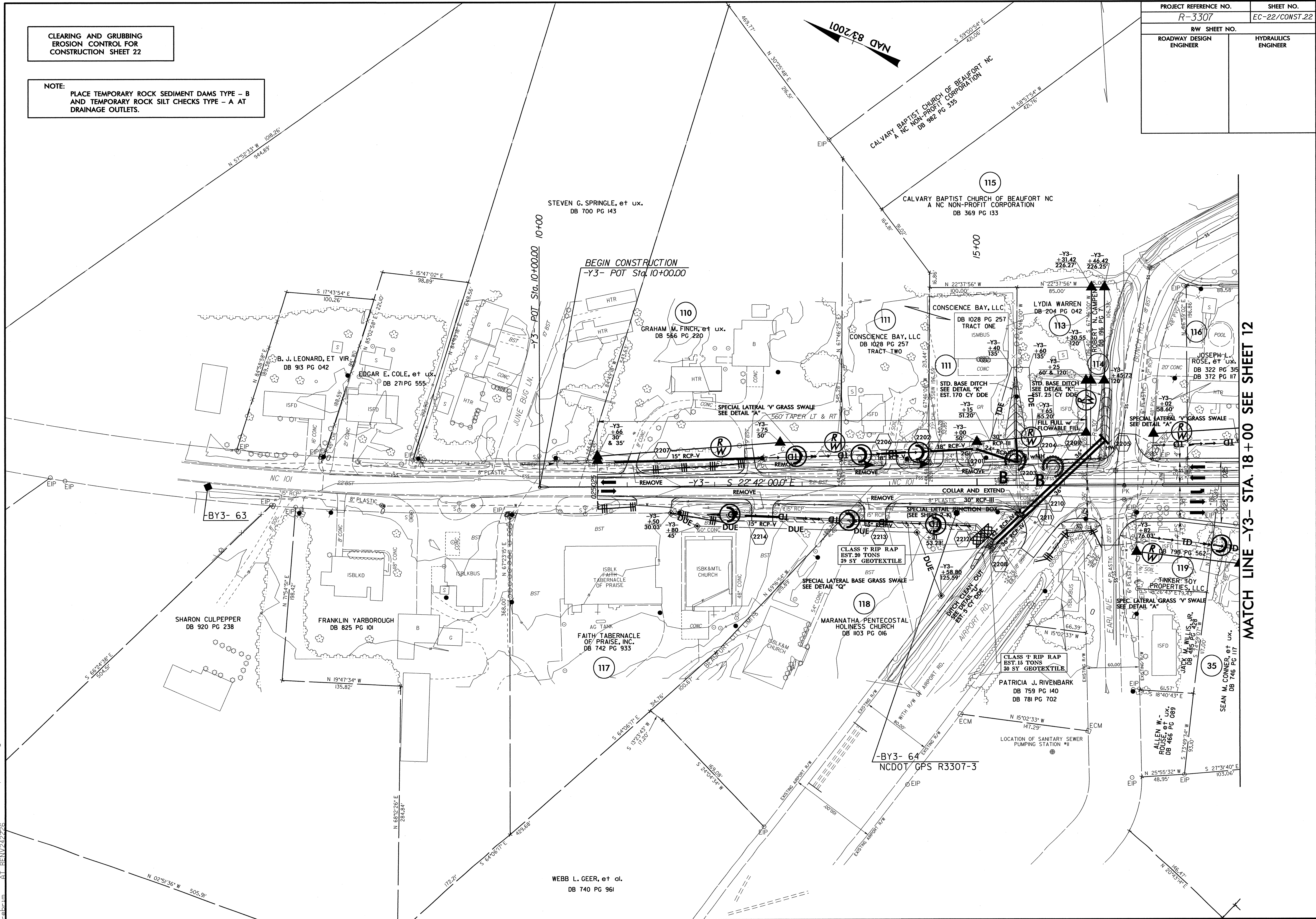
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BY: JRM

-BY- 51

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 22

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

PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-22/CONST.22
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE -Y3- STA. 18+00 SEE SHEET 12

02-MAR-2012 13:42
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AT:RENEW2222.PG

WEBB L. GEER, et al.
DB 740 PG 96I

SHARON CULPEPPER
DB 920 PG 238

FRANKLIN YARBOROUGH
DB 825 PG 10I

FAITH TABERNACLE
OF PRAISE, INC.
DB 742 PG 933

MARANATHA-PENTECOSTAL
HOLINESS CHURCH
DB 1103 PG 016

PATRICIA J. RIVENBARK
DB 759 PG 140
DB 781 PG 702

ALLEN W. ROUSE, et ux.
DB 466 PG 089

SEAN M. CONNER, et ux.
DB 746 PG 117

CONSCIENCE BAY, LLC
DB 1028 PG 257
TRACT ONE

CONSCIENCE BAY, LLC
DB 1028 PG 257
TRACT TWO

LYDIA WARREN
DB 204 PG 042

ROBERT N. CAMPEN
DB 196 PG 011

JOSEPH L. ROSE, et ux.
DB 322 PG 315
DB 372 PG 117

TINKER BOY PROPERTIES, LLC
DB 799 PG 562

B. J. LEONARD, ET VIR
DB 913 PG 042

EDGAR E. COLE, et ux.
DB 271 PG 555

GRAHAM W. FINCH, et ux.
DB 566 PG 220

STEVEN G. SPRINCLE, et ux.
DB 700 PG 143

CALVARY BAPTIST CHURCH OF BEAUFORT NC
A NC NON-PROFIT CORPORATION
DB 369 PG 133

N 02°51'36" W 505.9'

S 64°06'17" E 423.68'

S 64°06'17" E 423.68'

N 15°02'33" W 147.29'

N 25°55'32" W 103.06'

S 88°21'38" E 500.51'

N 19°47'34" W 135.82'

N 68°22'61" E 284.84'

S 64°06'17" E 423.68'

S 64°06'17" E 423.68'

N 15°02'33" W 147.29'

N 25°55'32" W 103.06'

S 88°21'38" E 500.51'

N 19°47'34" W 135.82'

N 68°22'61" E 284.84'

S 64°06'17" E 423.68'

S 64°06'17" E 423.68'

N 15°02'33" W 147.29'

N 25°55'32" W 103.06'

S 17°43'54" E 100.26'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

N 57°52'21" W 108.25'

S 17°43'54" E 100.26'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

N 57°52'21" W 108.25'

S 17°43'54" E 100.26'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

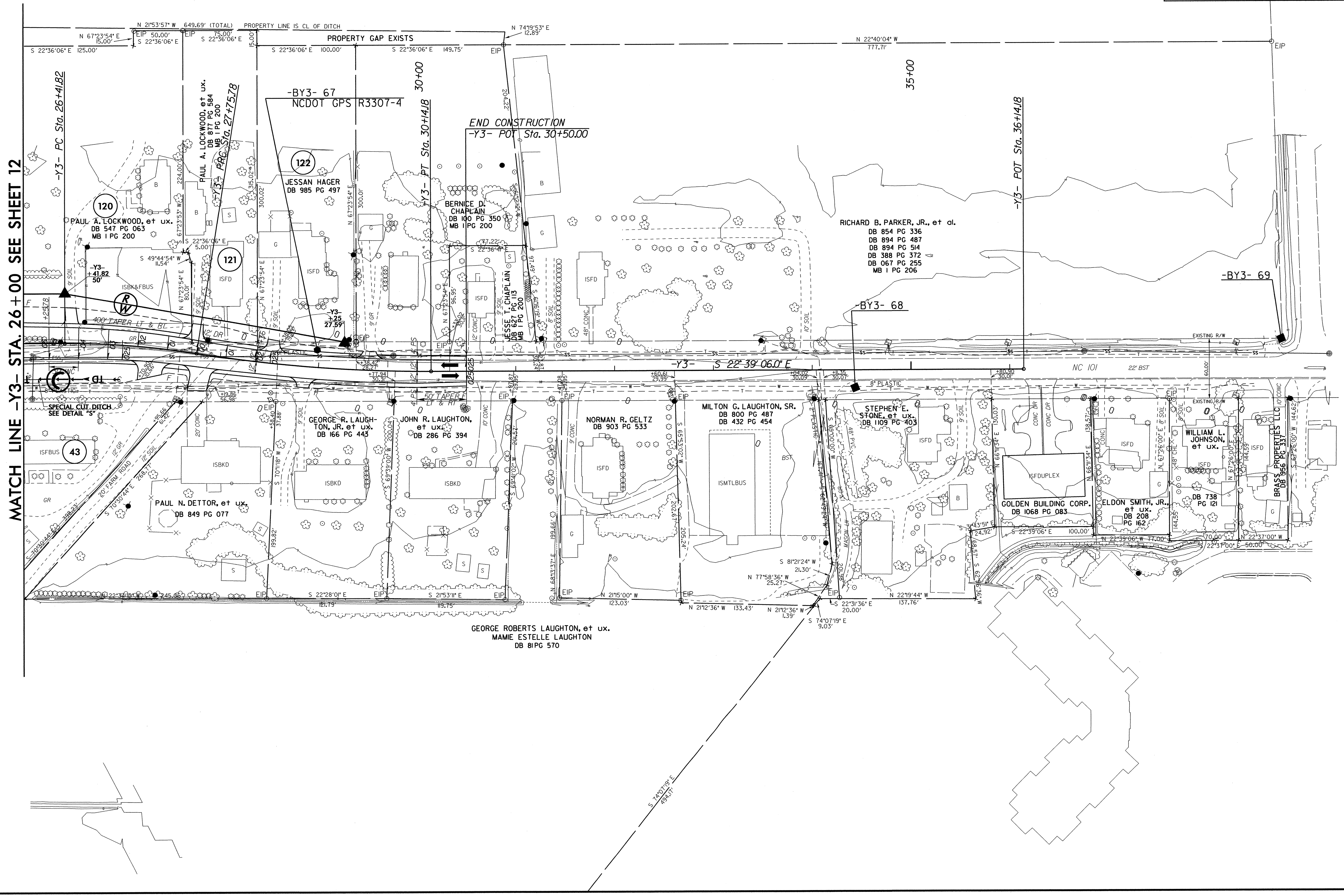
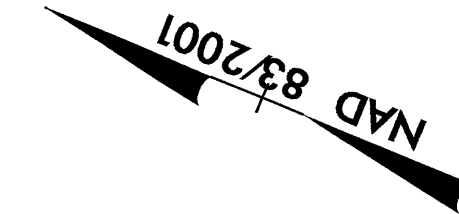
S 15°47'02" E 98.89'

S 15°47'02" E 98.89'

PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-23/CONST.23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.



MATCH LINE -Y3- STA. 26+00 SEE SHEET 12

02-MAR-2012 13:44
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s23.dwg

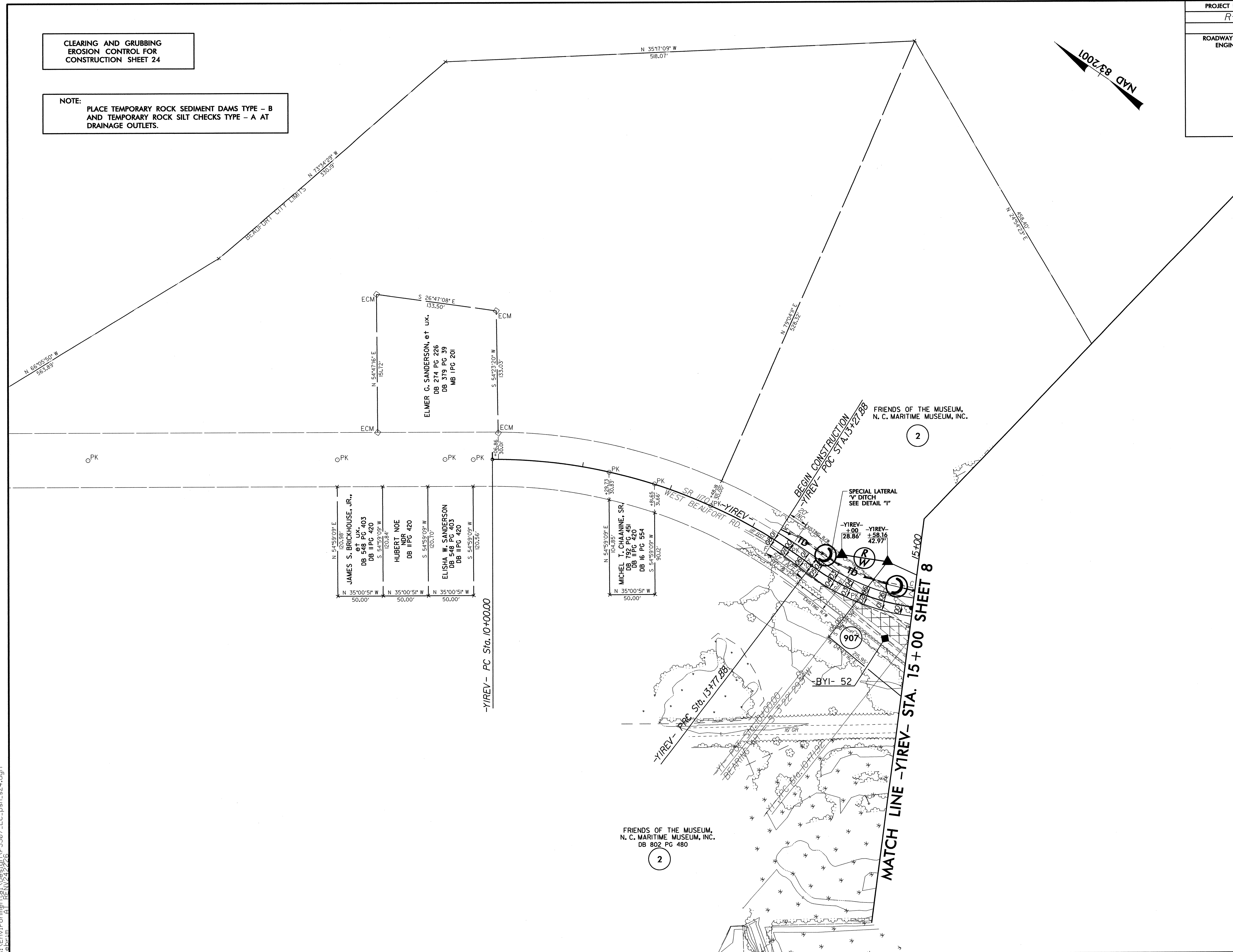
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R-3307	EC-24/CONST.24
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.

NAD 83/2001

REVISIONS



02-MAR-2012 13:43
R:\Environmental\Design\3307_EC_psh_s24.dgn
BT REV 24/26

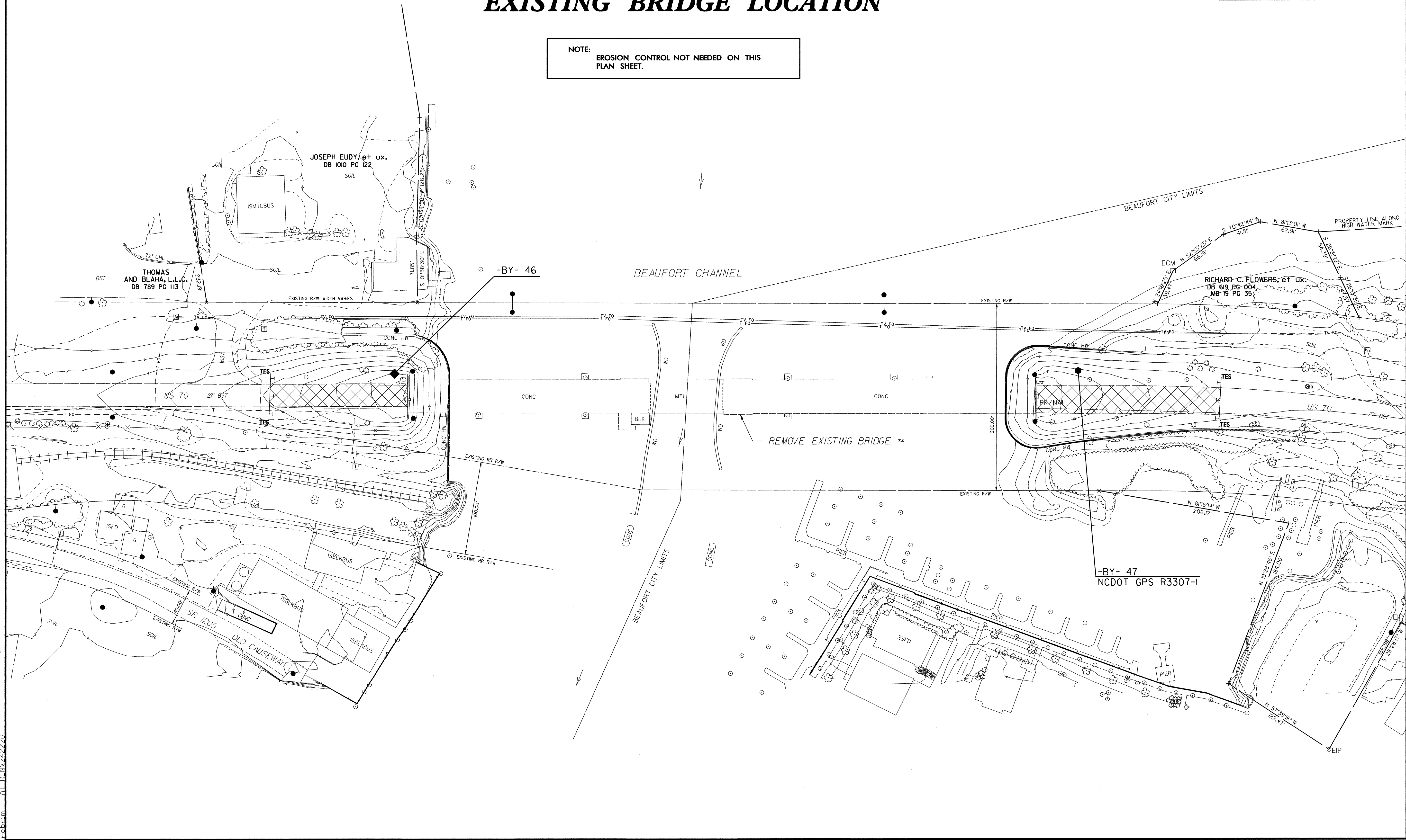
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 25

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-25/CONST.25
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/2001

EXISTING BRIDGE LOCATION

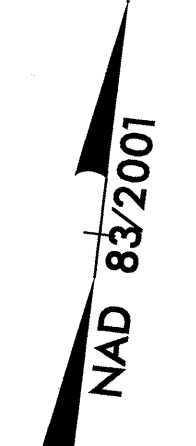
NOTE:
EROSION CONTROL NOT NEEDED ON THIS
PLAN SHEET.



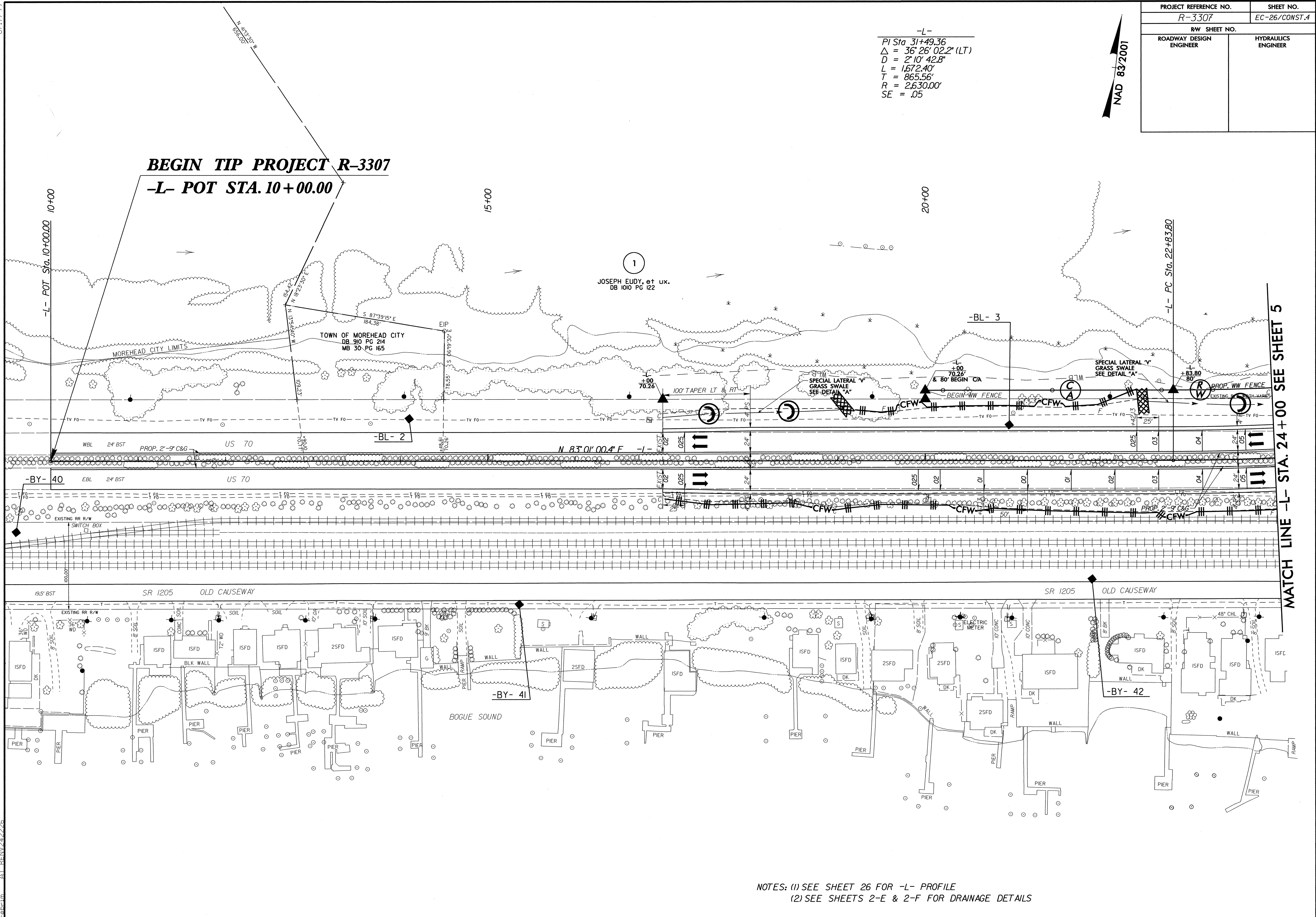
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AT BEAUFORT

PROJECT REFERENCE NO. R-3307		SHEET NO. EC-26/CONST.4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

-L-
 PI Sta 31+49.36
 $\Delta = 36' 26'' 02.2''$ (LT)
 $D = 2' 10'' 42.8''$
 $L = 1,672.40'$
 $T = 865.56'$
 $R = 2,630.00'$
 $SE = .05$



BEGIN TIP PROJECT R-3307
-L- POT STA. 10+00.00



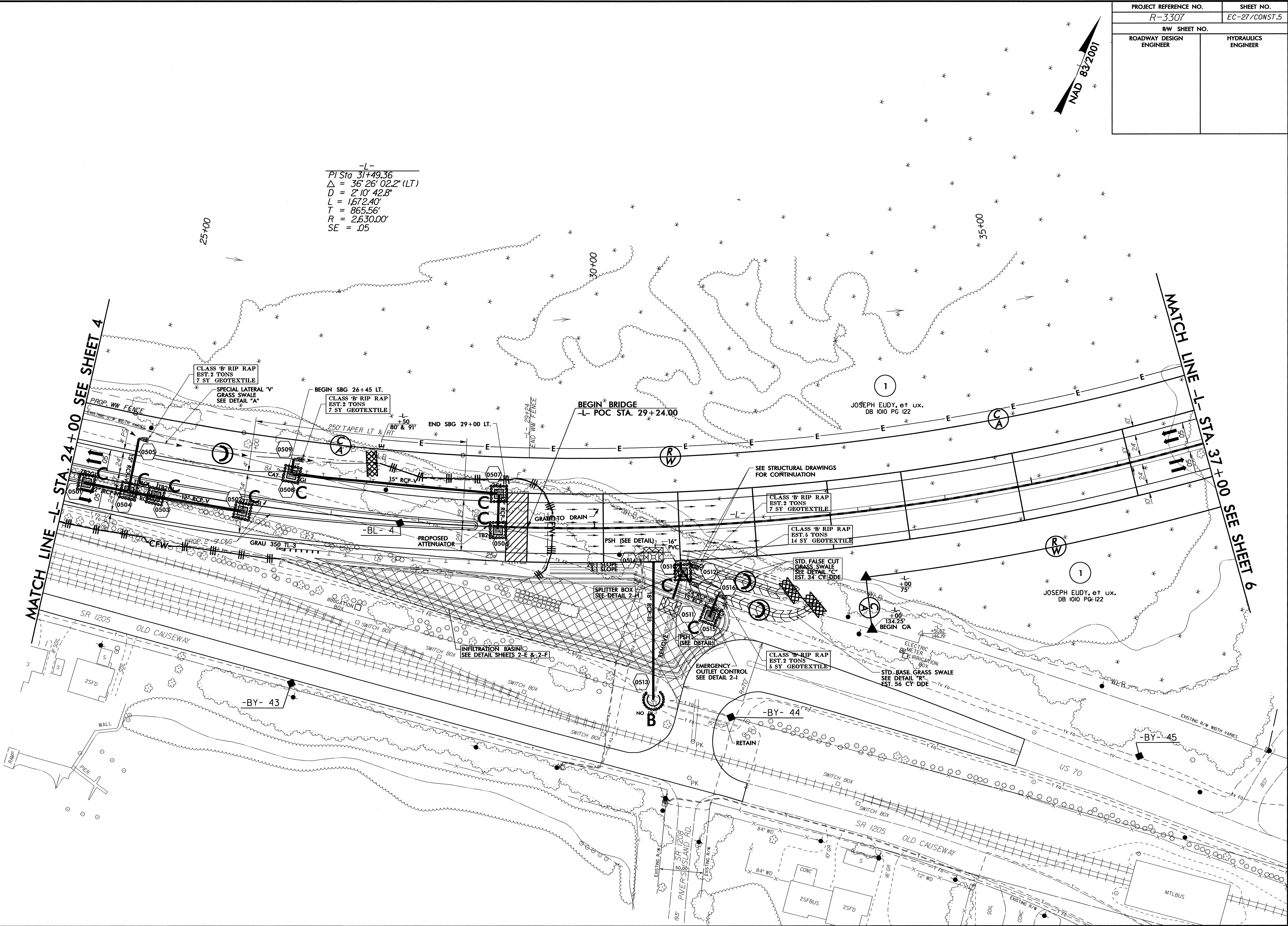
NOTES: (1) SEE SHEET 26 FOR -L- PROFILE
 (2) SEE SHEETS 2-E & 2-F FOR DRAINAGE DETAILS

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PROJECT REFERENCE NO. R-3307	SHEET NO. EC-27/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
 PI Sta 31+49.36
 $\Delta = 36' 26" 02.2" (LT)$
 $D = 2' 10" 42.8"$
 $L = 1672.40'$
 $T = 865.56'$
 $R = 2630.00'$
 $SE = .05$



02-MAR-2012 11:42
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 AT RBN242226
 cabtm

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PROJECT REFERENCE NO. R-3307		SHEET NO. EC-28/CONST.6	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

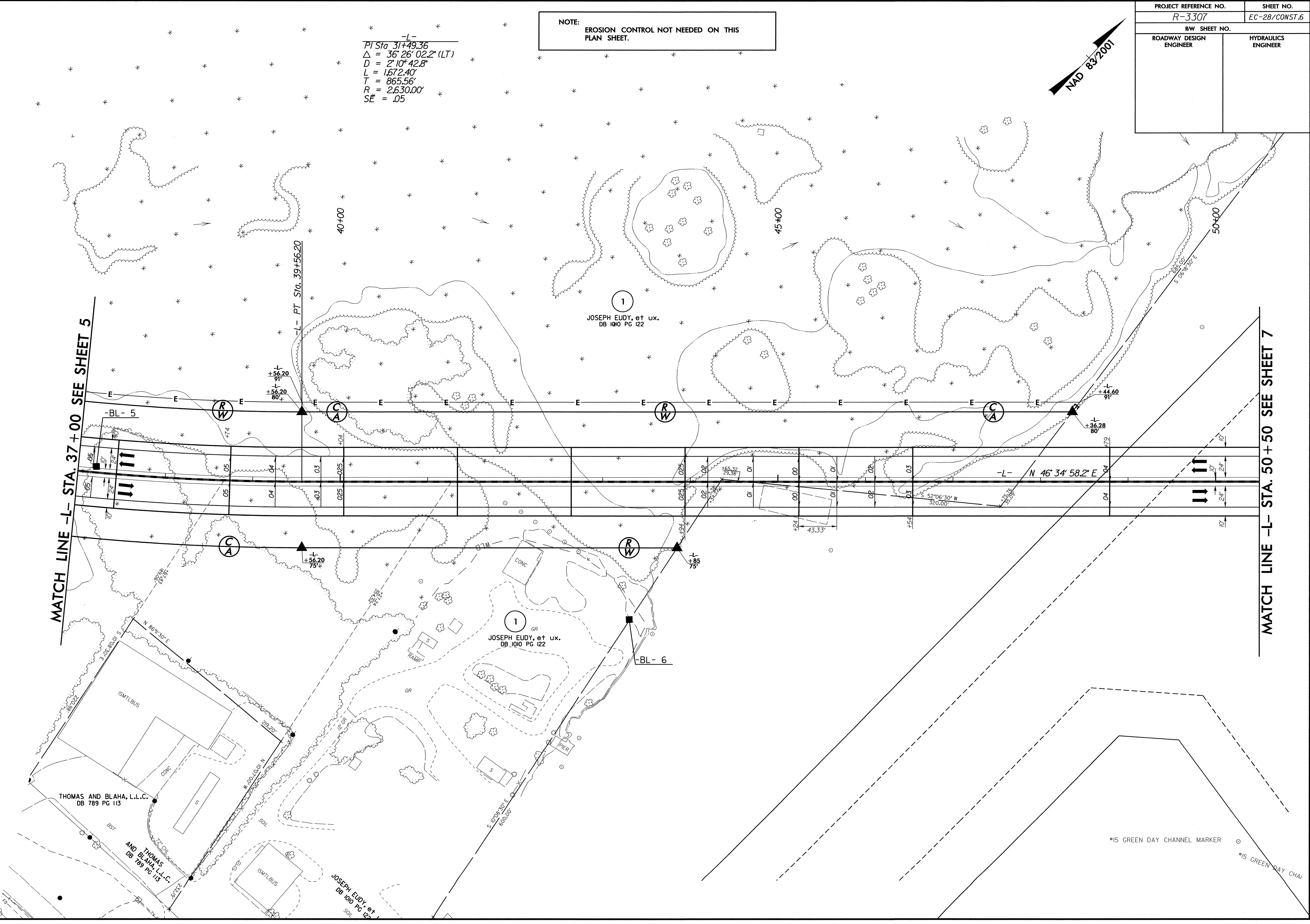
NOTE:
EROSION CONTROL NOT NEEDED ON THIS PLAN SHEET.

-L-
PI Sta. 31+49.36
 $\Delta = 36^{\circ} 26' 02.2" (LT)$
 $D = 2' 10" 42.8"$
 $L = 1,672.40'$
 $T = 865.56'$
 $R = 2,630.00'$
 $SE = .05$



MATCH LINE -L- STA. 37+00 SEE SHEET 5

MATCH LINE -L- STA. 50+50 SEE SHEET 7



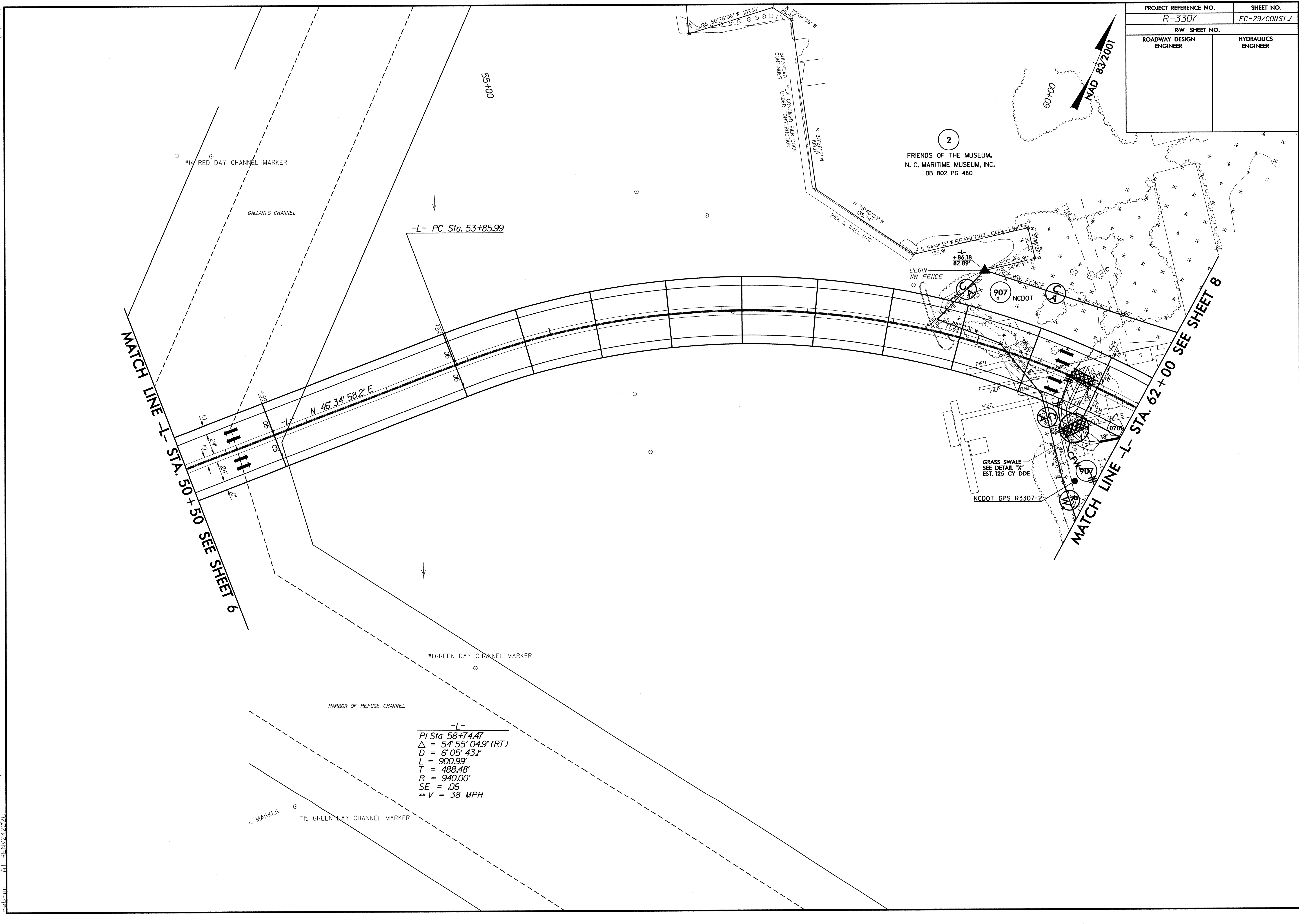
REVISIONS

02-MAR-2012 11:54
R:\Environmental\Design\3307_EC_psh-a06.dgn
Author: AT
Checked: AT
Reviewed: AT

*15 GREEN DAY CHANNEL MARKER

8/17/99

PROJECT REFERENCE NO. <i>R-3307</i>	SHEET NO. <i>EC-29/CONST.7</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE -L- STA. 50+50 SEE SHEET 6

MATCH LINE -L- STA. 62+00 SEE SHEET 8

-L- PC Sta. 53+85.99

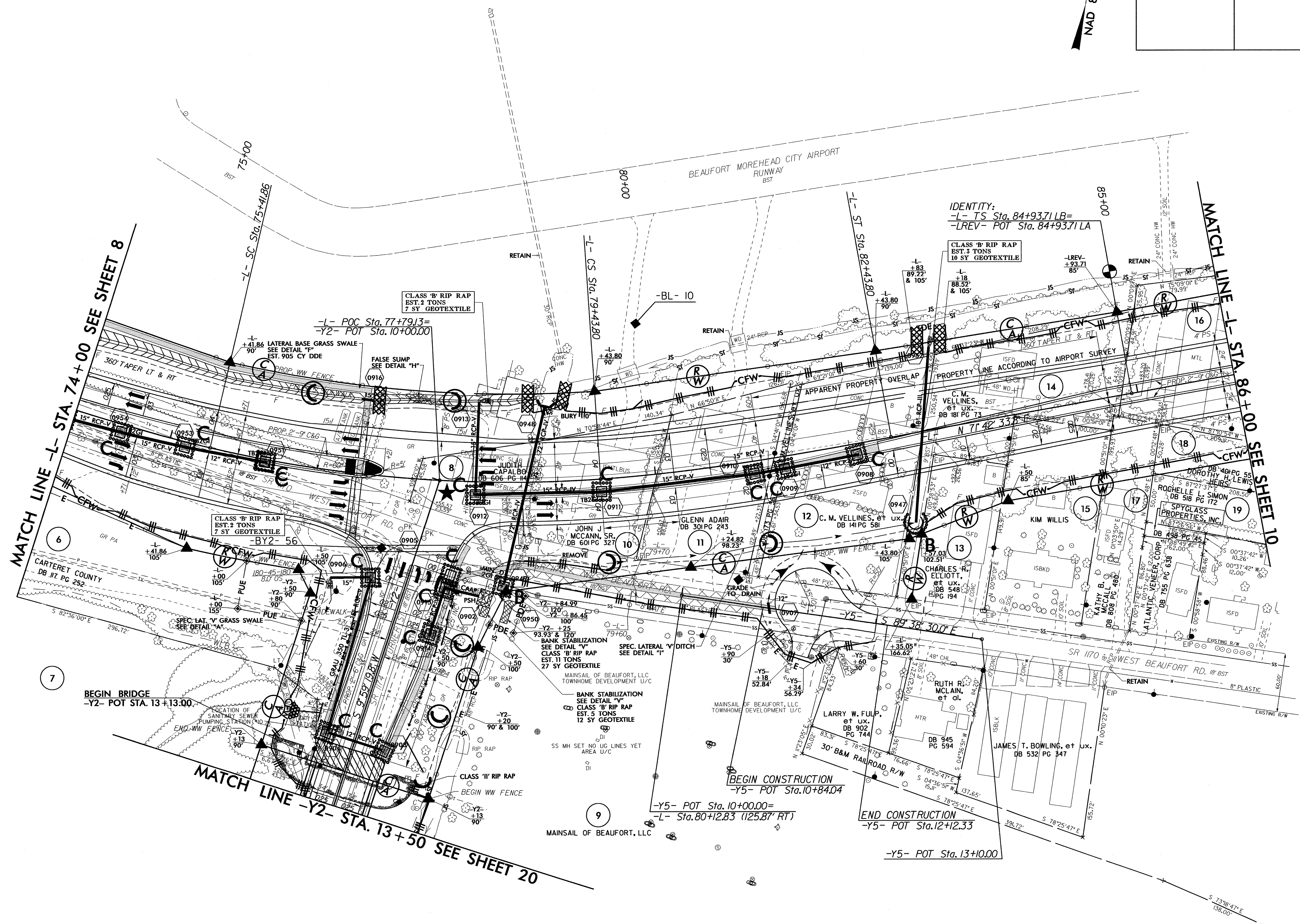
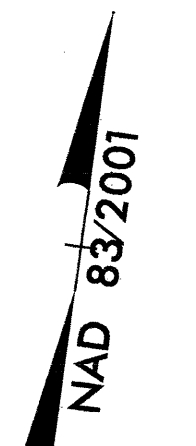
N 46°34'58.2" E

-L-
 PI Sta 58+74.47
 $\Delta = 54^\circ 55' 04.9" (RT)$
 $D = 6' 05" 43.1"$
 $L = 900.99'$
 $T = 488.48'$
 $R = 940.00'$
 $SE = .06$
 $**V = 38 \text{ MPH}$

02 MAR-2012 12:03
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 2/23/06

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-31/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

910

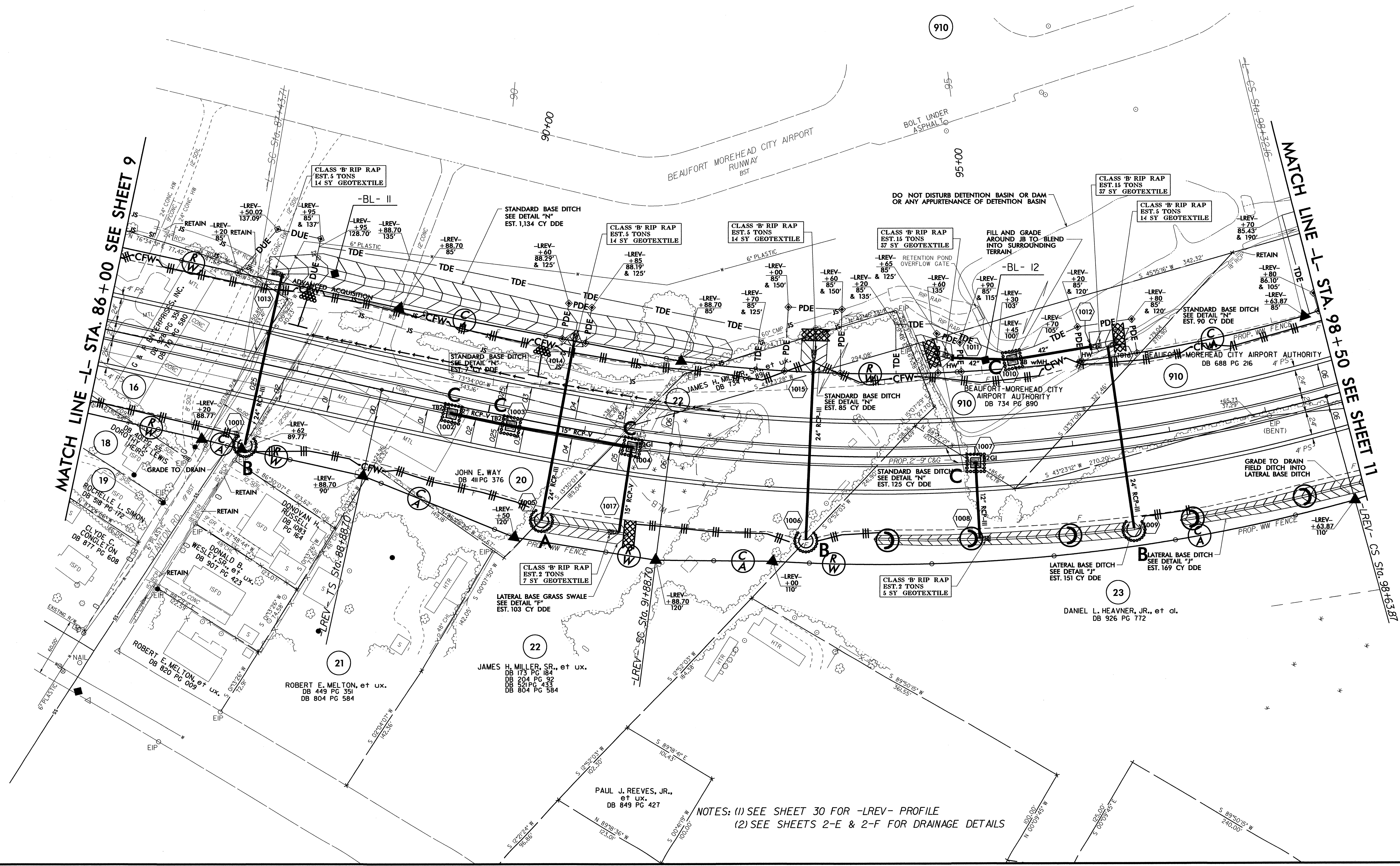
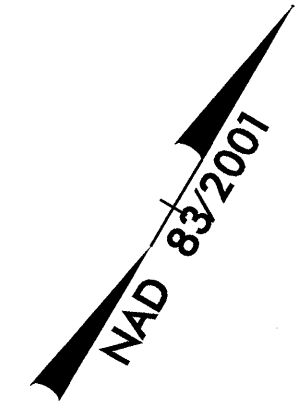


8/17/99

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 User: rbrn

8/17/99
02-MAR-2019 12:24
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AT:RENV22226

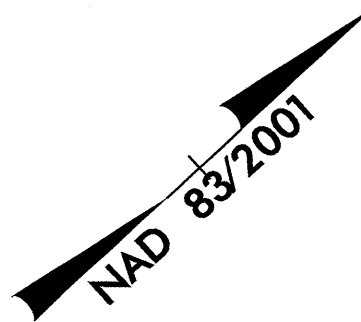
PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-32/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTES: (1) SEE SHEET 30 FOR -LREV- PROFILE
(2) SEE SHEETS 2-E & 2-F FOR DRAINAGE DETAILS

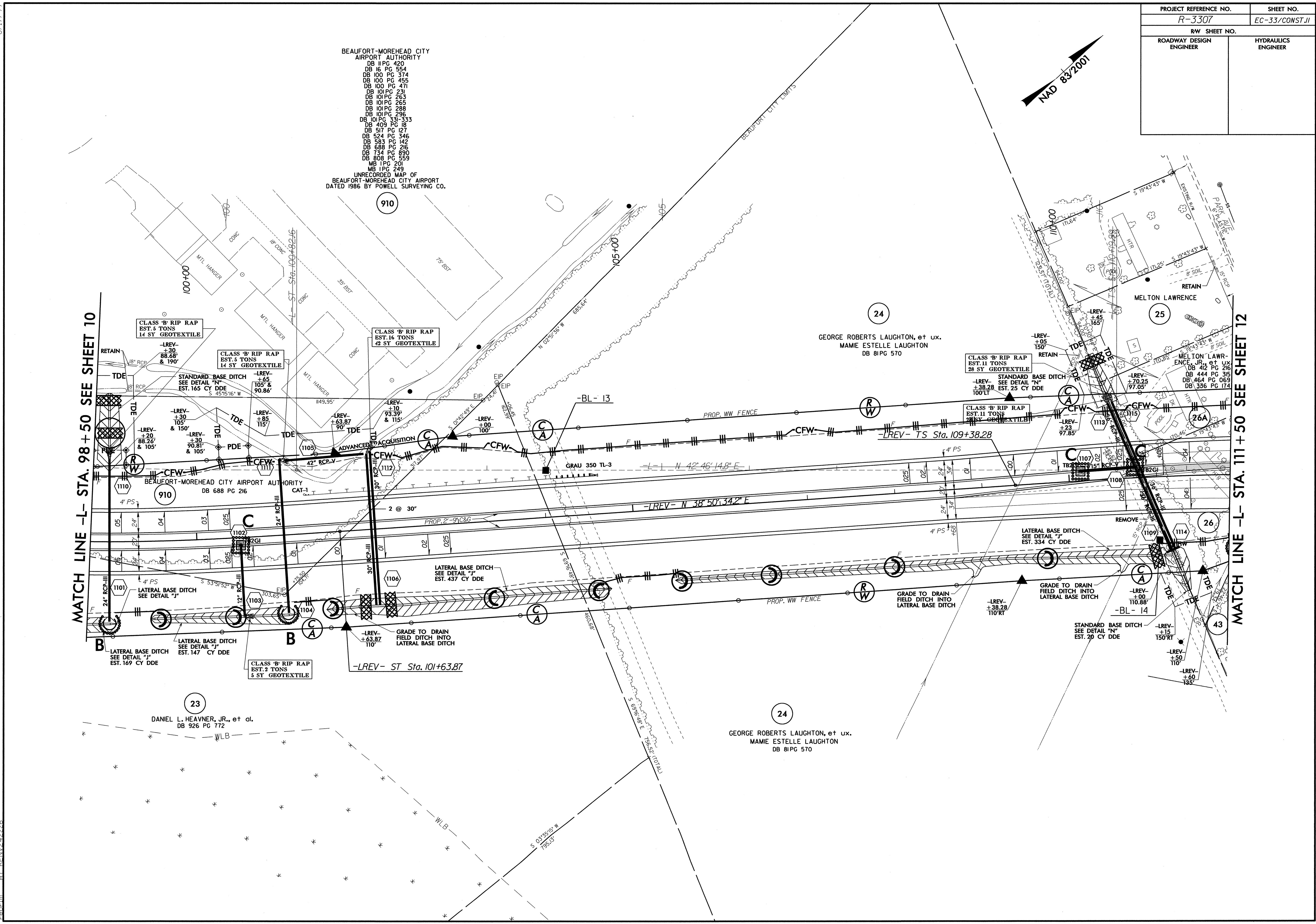
PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-33/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

BEAUFORT-MOREHEAD CITY AIRPORT AUTHORITY
 DB 11 PG 420
 DB 16 PG 554
 DB 100 PG 374
 DB 100 PG 455
 DB 100 PG 471
 DB 101 PG 231
 DB 101 PG 262
 DB 101 PG 265
 DB 101 PG 288
 DB 101 PG 296
 DB 101 PG 331-333
 DB 409 PG 18
 DB 517 PG 127
 DB 524 PG 346
 DB 583 PG 142
 DB 688 PG 216
 DB 734 PG 890
 DB 808 PG 559
 MB 1 PG 201
 MB 1 PG 249
 UNRECORDED MAP OF
 BEAUFORT-MOREHEAD CITY AIRPORT
 DATED 1986 BY POWELL SURVEYING CO.



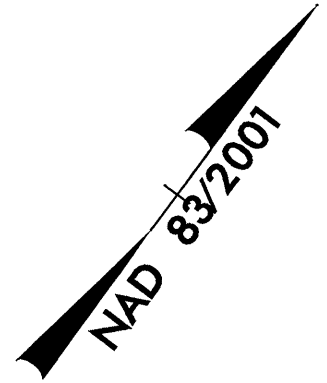
MATCH LINE -L- STA. 98 + 50 SEE SHEET 10

MATCH LINE -L- STA. 111 + 50 SEE SHEET 12

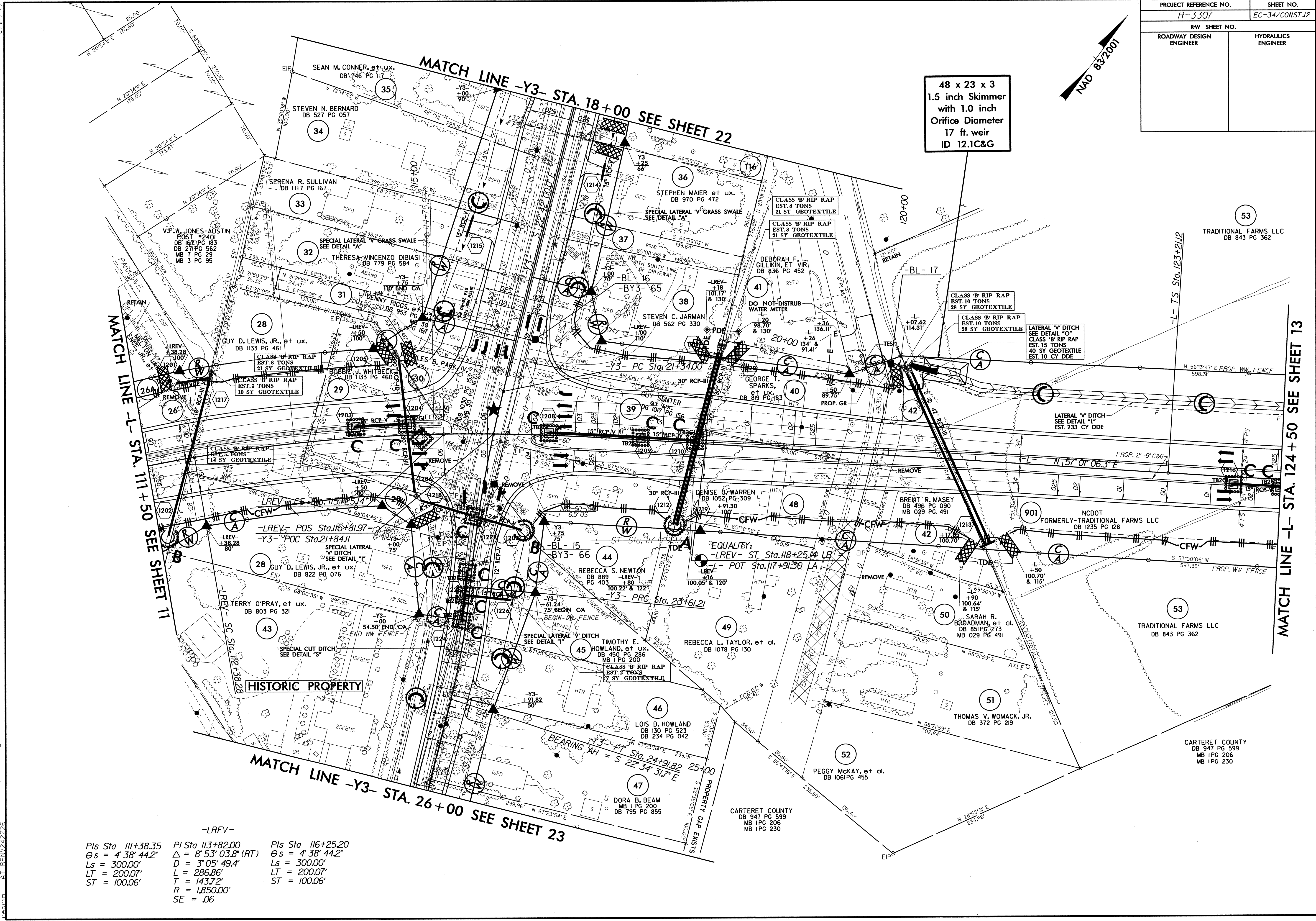


02-MAR-2012 12:39 R:\Environmental\Design\3307-EC.psh-sl.dgn

PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-34/CONST.12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



48 x 23 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
17 ft. weir
ID 12.1C&G



-LREV-

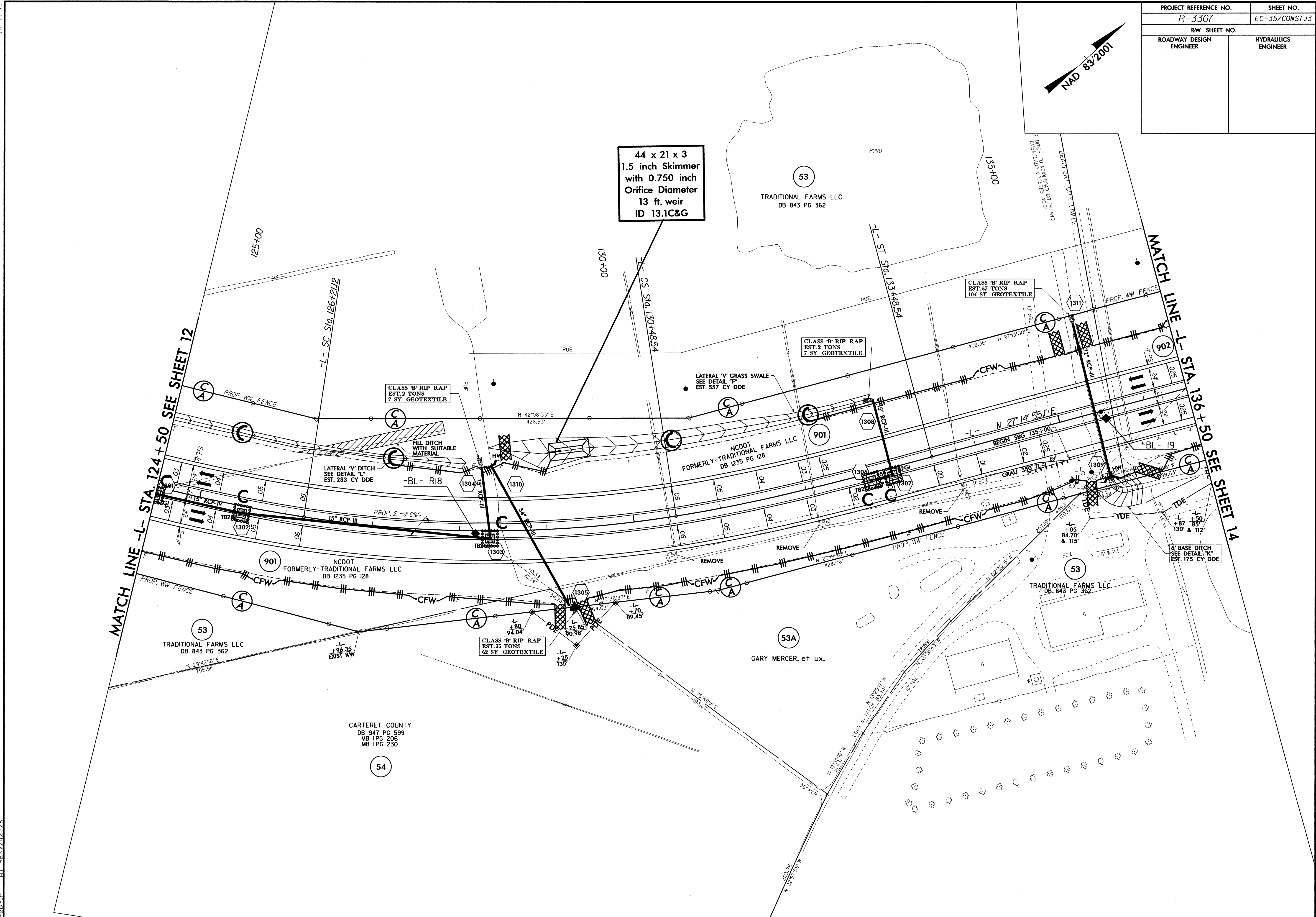
PI Sta 111+38.35 Δs = 4' 38" 44.2" Ls = 300.00' LT = 200.07' ST = 100.06'	PI Sta 113+82.00 Δ = 8' 53" 03.8" (RT) D = 3' 05" 49.4" L = 286.86' T = 143.72' R = 1,850.00' SE = .06	PI Sta 116+25.20 Δs = 4' 38" 44.2" Ls = 300.00' LT = 200.07' ST = 100.06'
---	--	---

8/17/99
02-MAR-2012 12:43
C:\Users\psh\OneDrive\Documents\3307_EC_psh_s12.dgn
REVISIONS: 1.0
1.0

PROJECT REFERENCE NO. R-3307		SHEET NO. EC-35/CONST.13	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



44 x 21 x 3
1.5 inch Skimmer
with 0.750 inch
Orifice Diameter
13 ft. weir
ID 13.1C&G



MATCH LINE -L- STA. 124+50 SEE SHEET 12

MATCH LINE -L- STA. 136+50 SEE SHEET 14

8/17/99
02-MAR-2012 12:49
R:\Environment\3307-EC-ps-h-s13.dgn
February 2012

CARTERET COUNTY
DB 947 PG 599
MB IPC 206
MB IPC 230

53
TRADITIONAL FARMS LLC
DB 843 PG 362

901
NCDOT
FORMERLY-TRADITIONAL FARMS LLC
DB 1235 PG 128

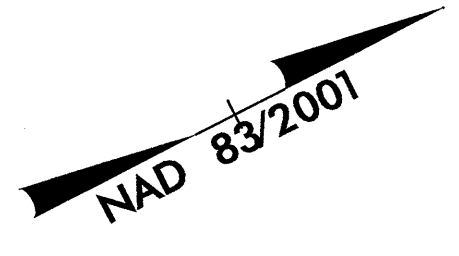
53A
GARY MERCER, et ux.

53
TRADITIONAL FARMS LLC
DB 843 PG 362

54

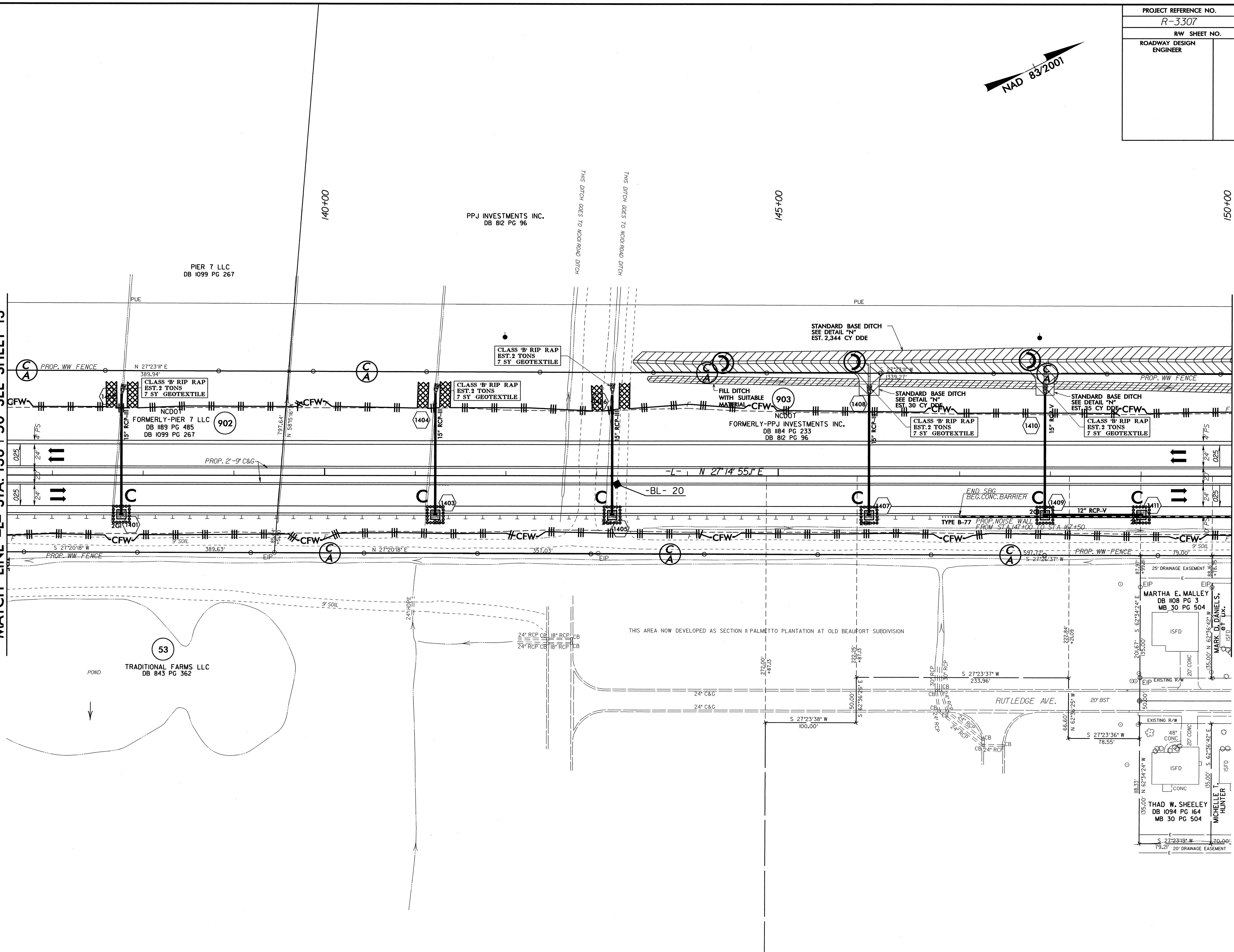
8/17/09

PROJECT REFERENCE NO. R-3307		SHEET NO. EC-36/CONST.14	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



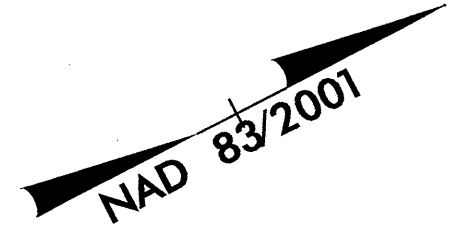
MATCH LINE -L- STA. 136+50 SEE SHEET 13

MATCH LINE -L- STA. 150+00 SEE SHEET 15

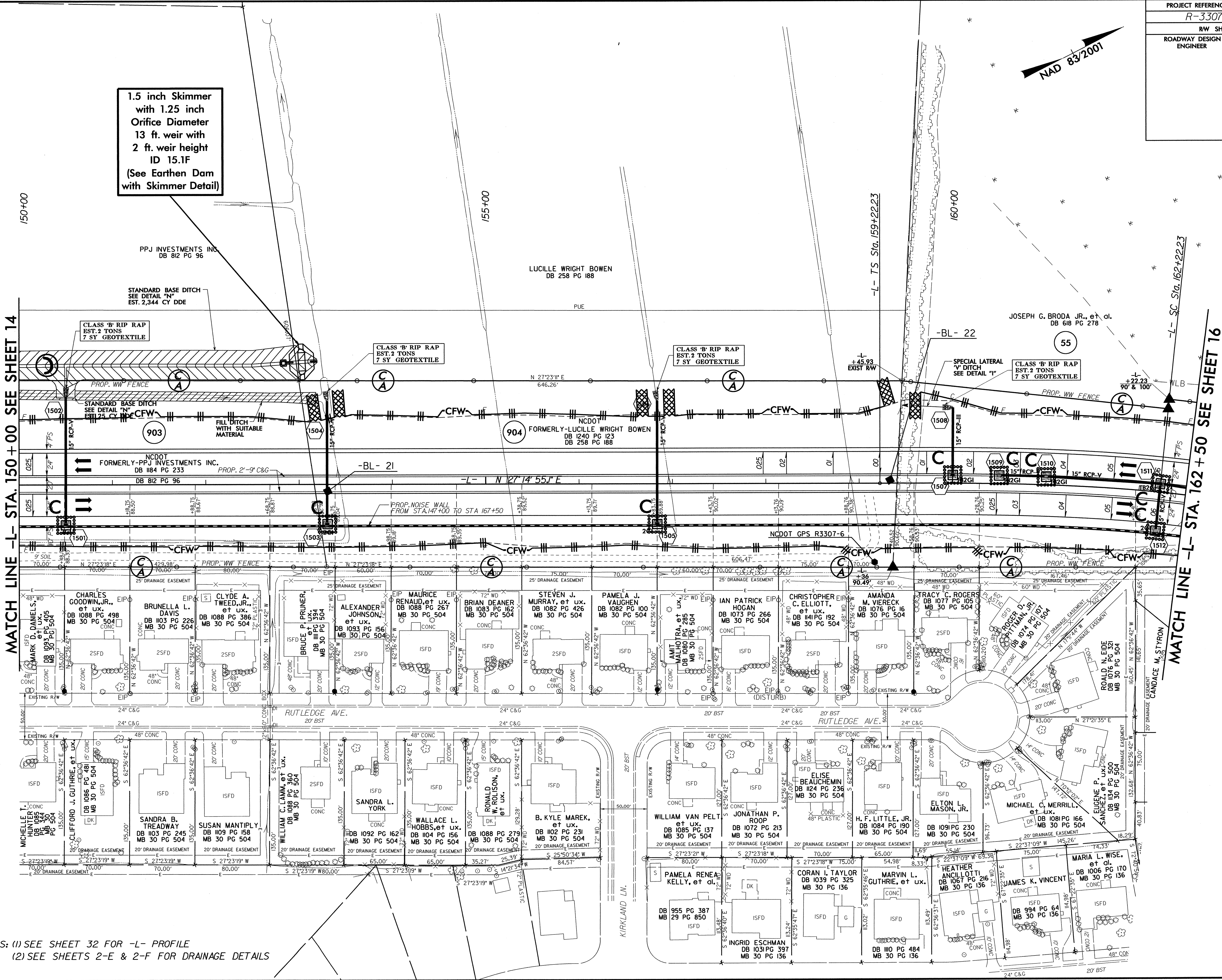


02-MAR-2012 12:52
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 -cbm AT BENV24226

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-37/CONST.15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
13 ft. weir with
2 ft. weir height
ID 15.1F
(See Earthen Dam
with Skimmer Detail)



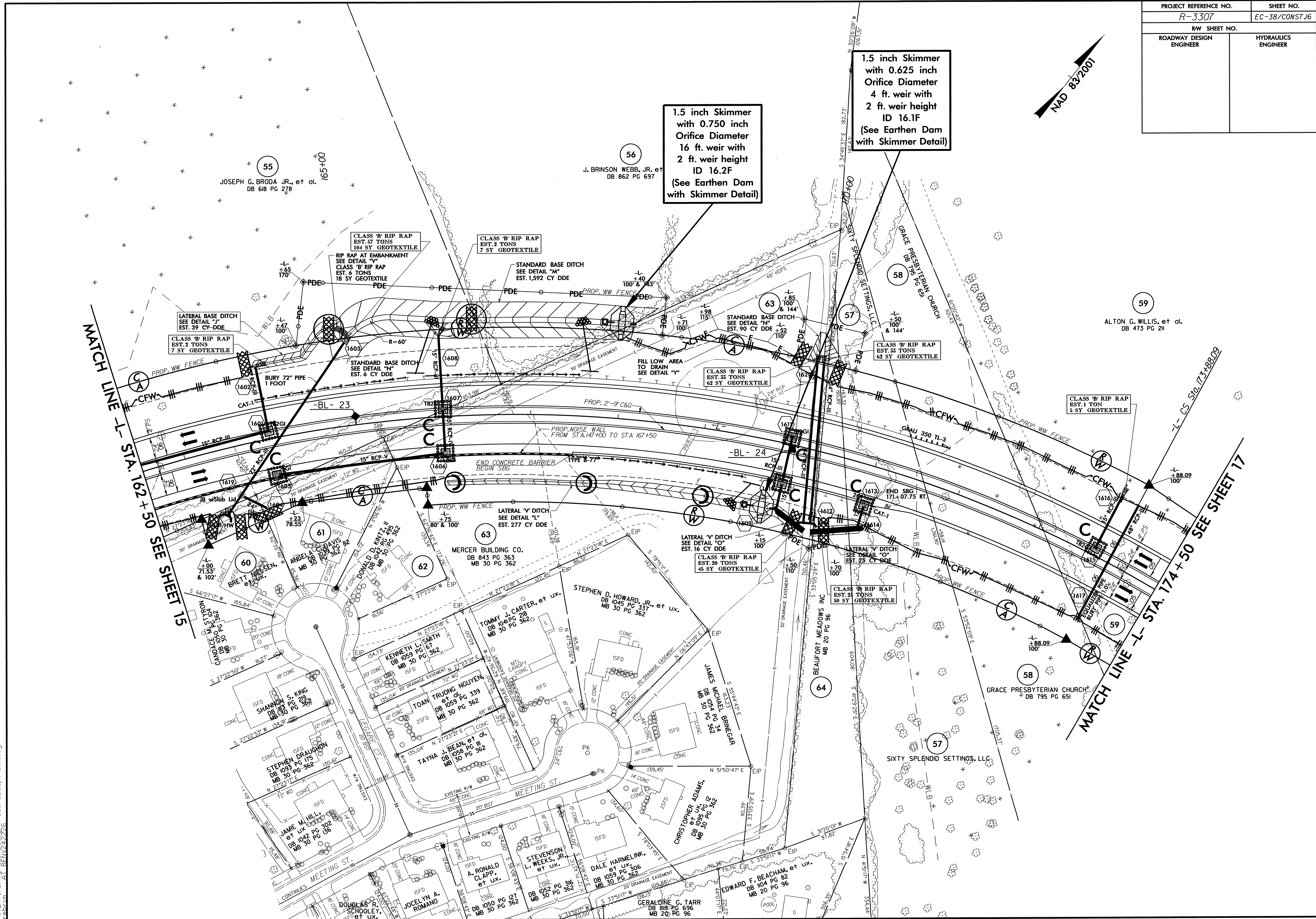
MATCH LINE -L- STA. 150+00 SEE SHEET 14

MATCH LINE -L- STA. 162+50 SEE SHEET 16

NOTES: (1) SEE SHEET 32 FOR -L- PROFILE
(2) SEE SHEETS 2-E & 2-F FOR DRAINAGE DETAILS

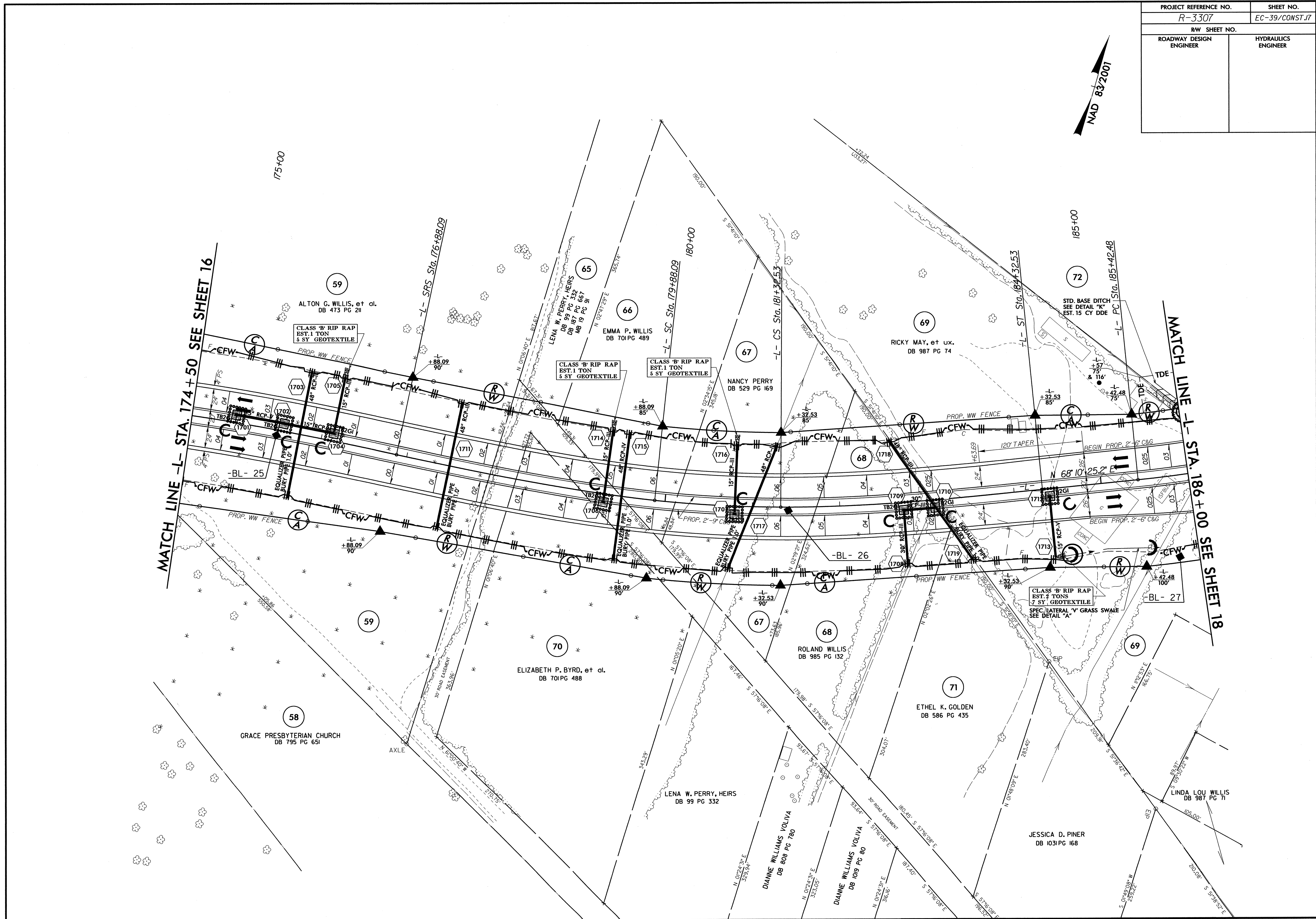
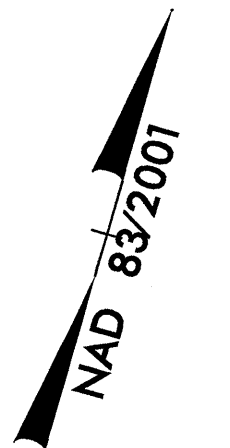
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PROJECT REFERENCE NO.		SHEET NO.	
R-3307		EC-38/CONST.16	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



02-MAR-2012 13:02
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 ALL INFORMATION CONTAINED
 HEREIN IS UNCLASSIFIED

PROJECT REFERENCE NO.		SHEET NO.	
R-3307		EC-39/CONST.17	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

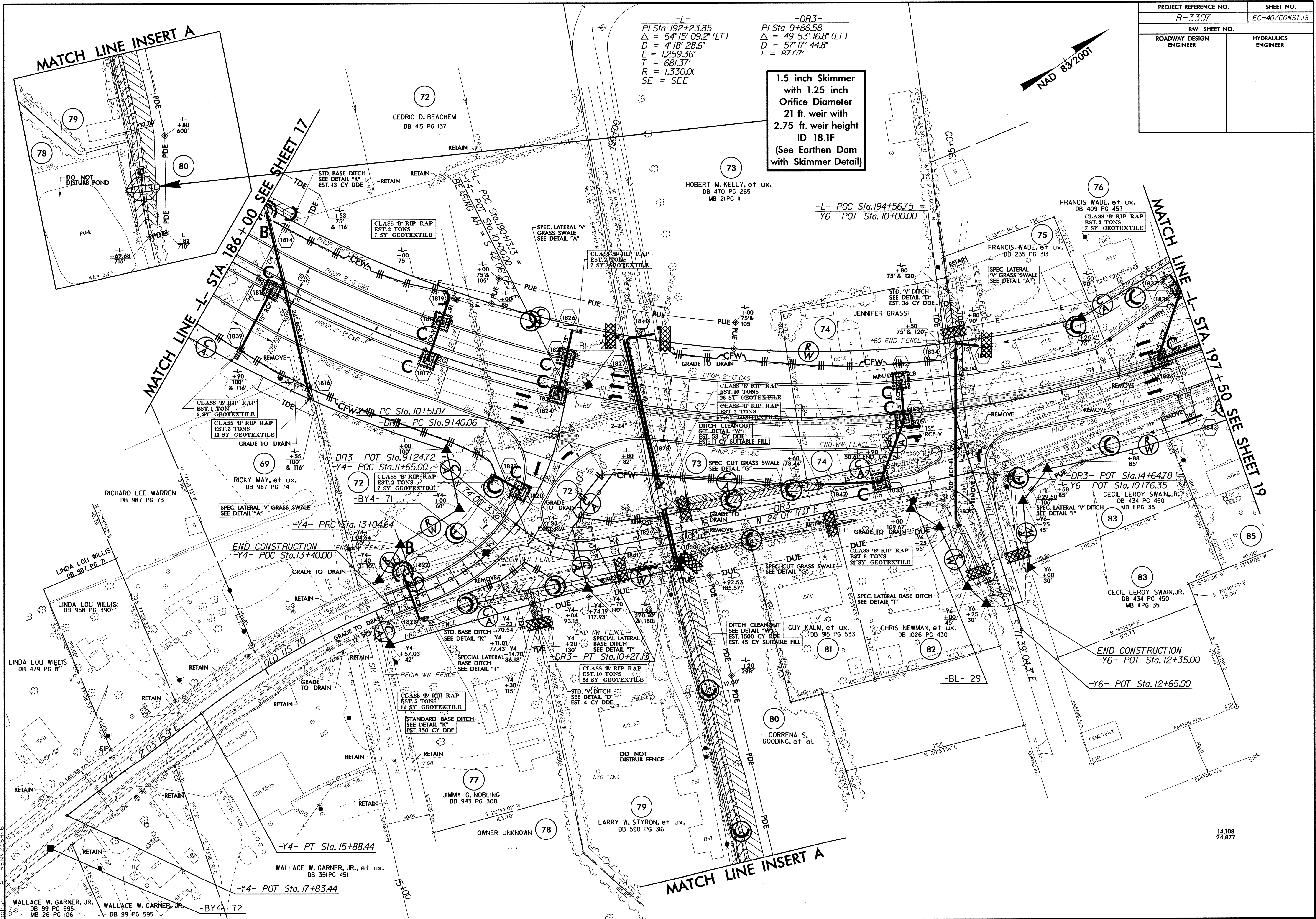
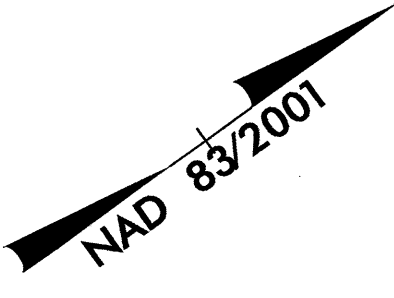


PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-40/CONST.18
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
 PI Sta 192+23.85
 $\Delta = 54' 15" 09.2" (LT)$
 $D = 4' 18" 28.6"$
 $L = 1,259.36'$
 $T = 681.37'$
 $R = 1,330.0'$
 SE = SEE

-DR3-
 PI Sta 9+86.58
 $\Delta = 49' 53" 16.8" (LT)$
 $D = 57' 17" 44.8"$
 $I = 87' 07"$

1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 21 ft. weir with
 2.75 ft. weir height
 ID 18.1F
 (See Earthen Dam
 with Skimmer Detail)



MATCH LINE INSERT A

MATCH LINE -L- STA. 186+00 SEE SHEET 17

MATCH LINE -L- STA. 197+50 SEE SHEET 19

MATCH LINE INSERT A

7-AUG-2018 08:18
 R:\FDV\p\p\Design\3307_EC_psh.s18.dgn
 C:\Users\psh\OneDrive\Documents\3307_EC_psh.s18.dgn

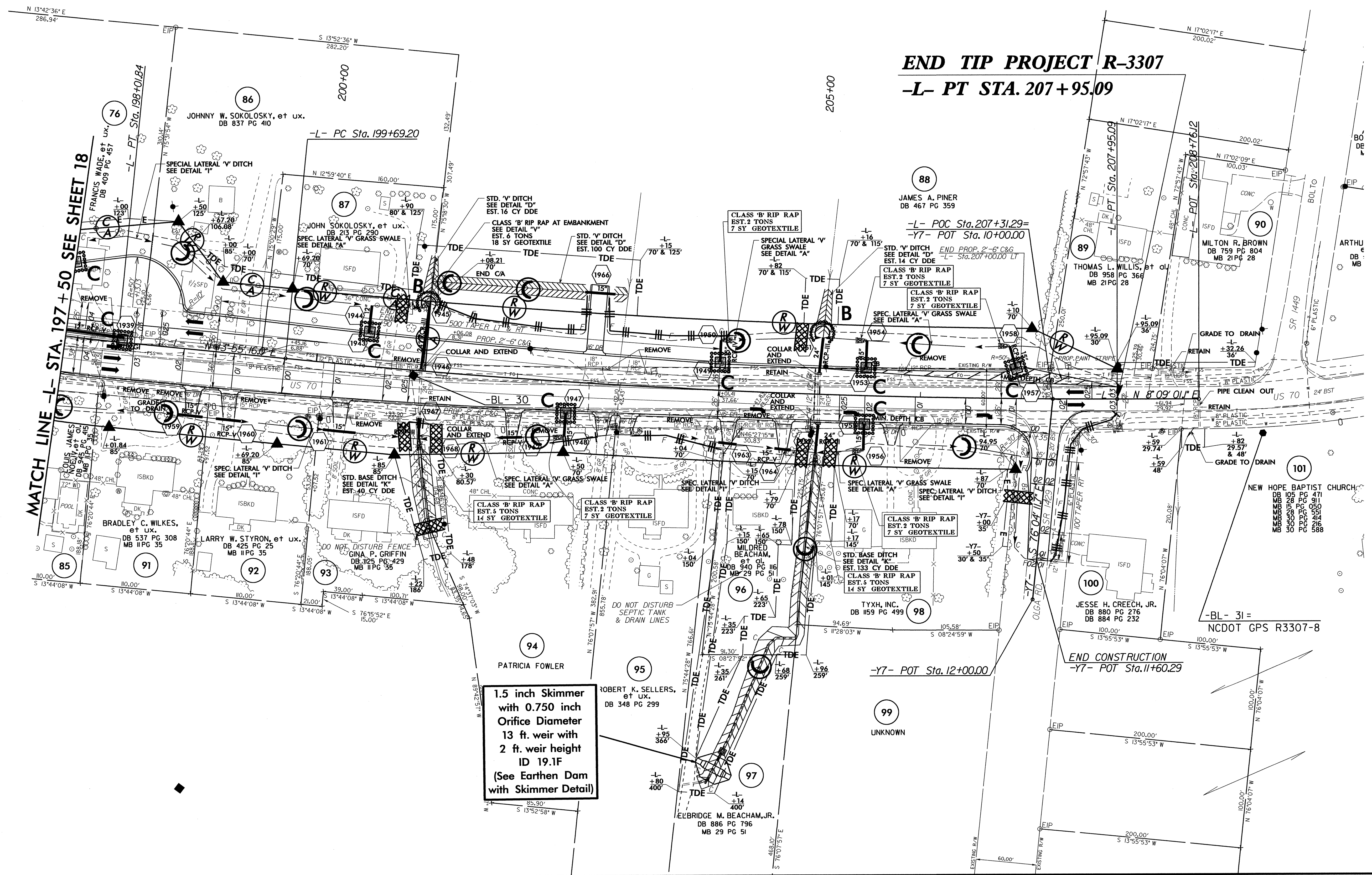
14.108
24.877

PROJECT REFERENCE NO. R-3307		SHEET NO. EC-41/CONST.19	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

NAD 83/2001

END TIP PROJECT R-3307

-L- PT STA. 207+95.09



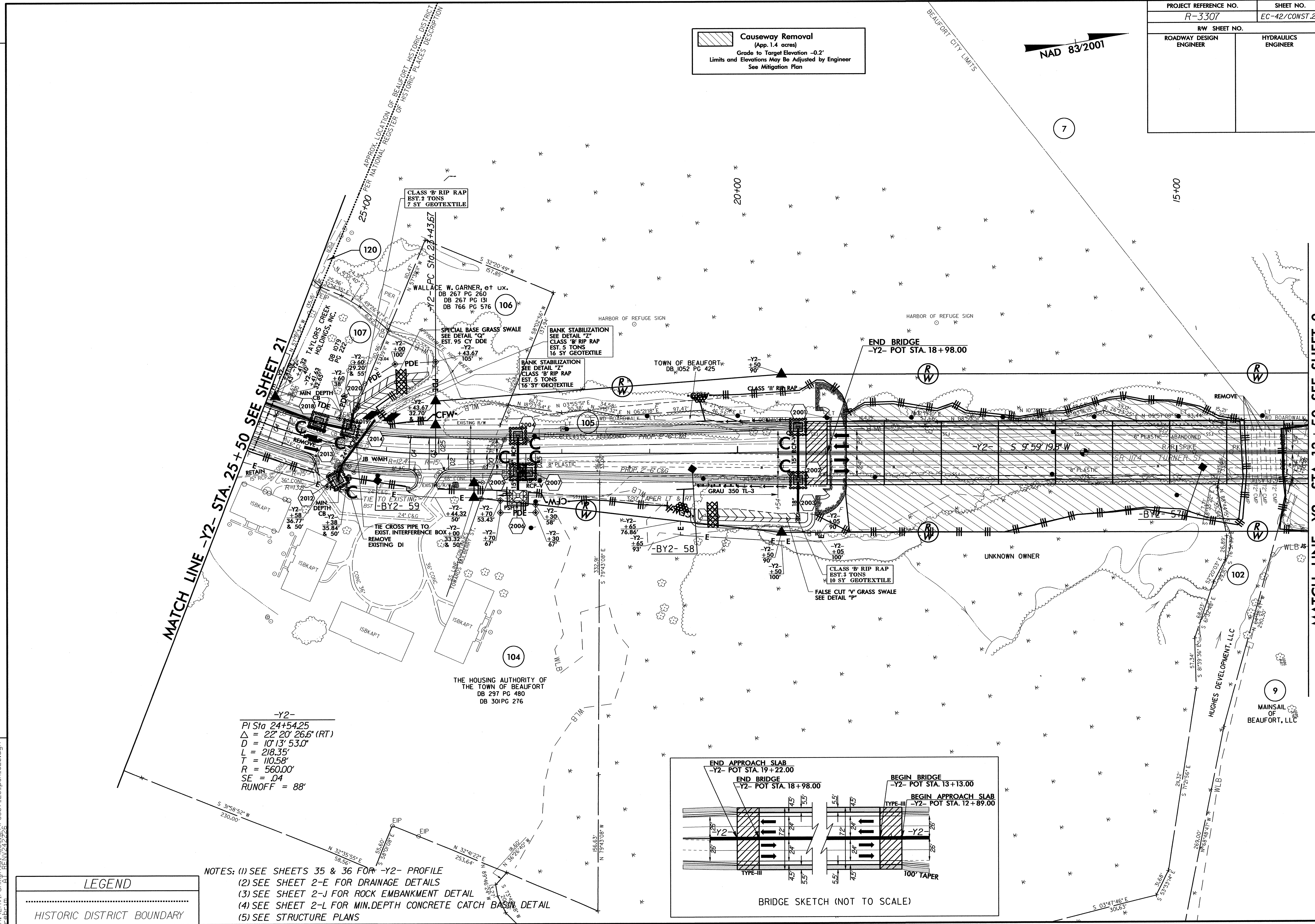
02-MAR-2012 13:40
R:\Environment\Design\3307-EC-ps-h.s19.dgn
RENN242226

PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-42/CONST.20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Causeway Removal
(Approx. 1.4 acres)
Grade to Target Elevation -0.2'
Limits and Elevations May Be Adjusted by Engineer
See Mitigation Plan

NAD 83/2001

REVISIONS



-Y2-
PI Sta 24+54.25
 $\Delta = 22^\circ 20' 26.6"$ (RT)
D = 10' 13' 53.0"
L = 218.35'
T = 110.58'
R = 560.00'
SE = .04
RUNOFF = 88'

- NOTES: (1) SEE SHEETS 35 & 36 FOR -Y2- PROFILE
(2) SEE SHEET 2-E FOR DRAINAGE DETAILS
(3) SEE SHEET 2-J FOR ROCK EMBANKMENT DETAIL
(4) SEE SHEET 2-L FOR MIN. DEPTH CONCRETE CATCH BASIN DETAIL
(5) SEE STRUCTURE PLANS

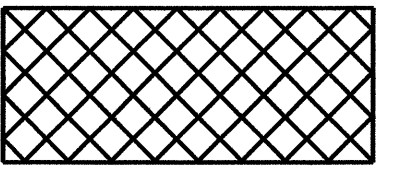
LEGEND	
	HISTORIC DISTRICT BOUNDARY

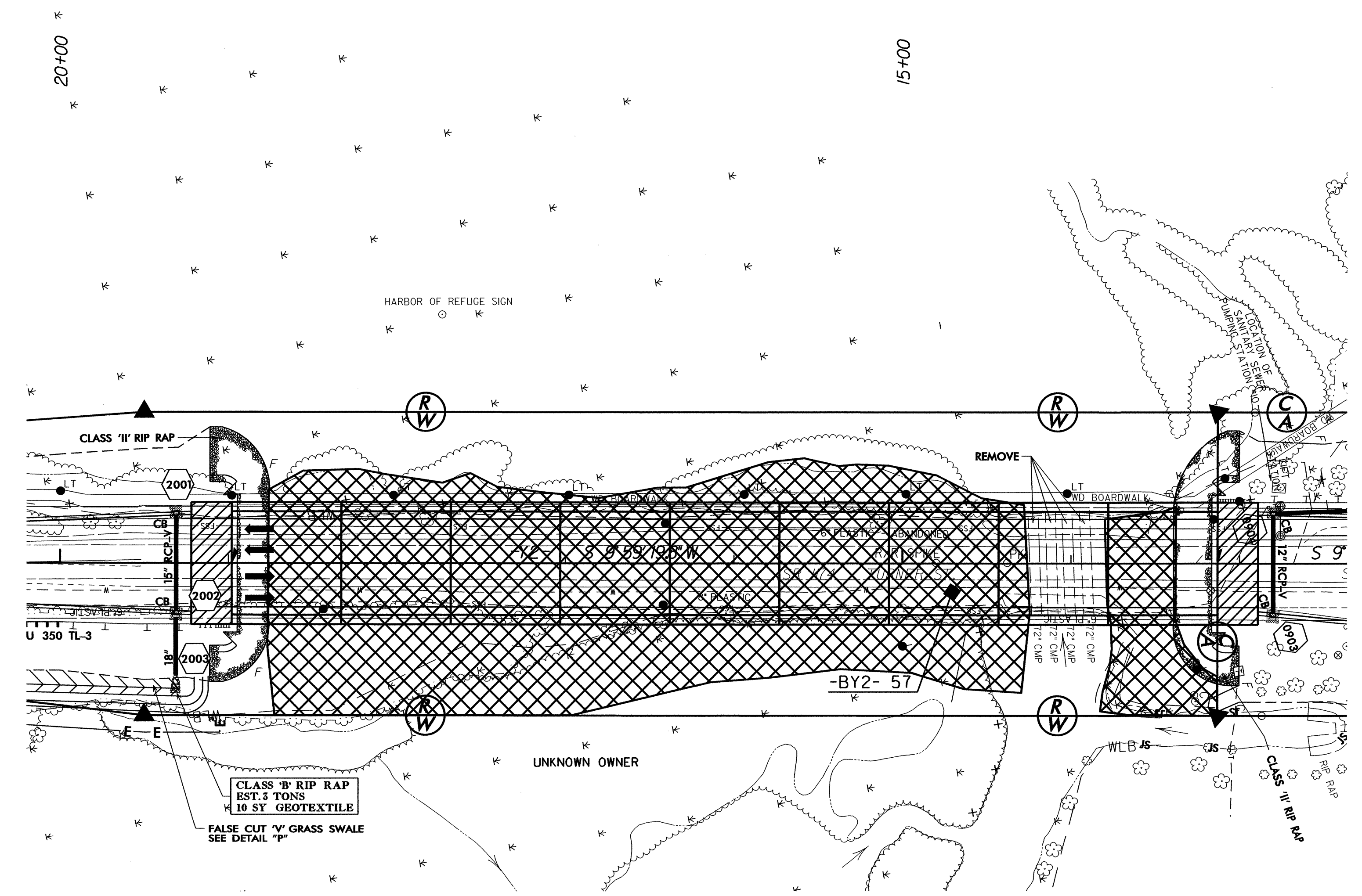
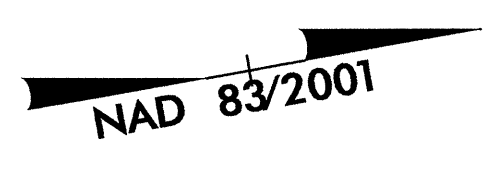
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R:\Environment\3307\EC-psh-s20.dgn
Author: JAL
Plot: JAL

MATCH LINE -Y2- STA. 13+50 SEE SHEET 9

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-42A/CONST.20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

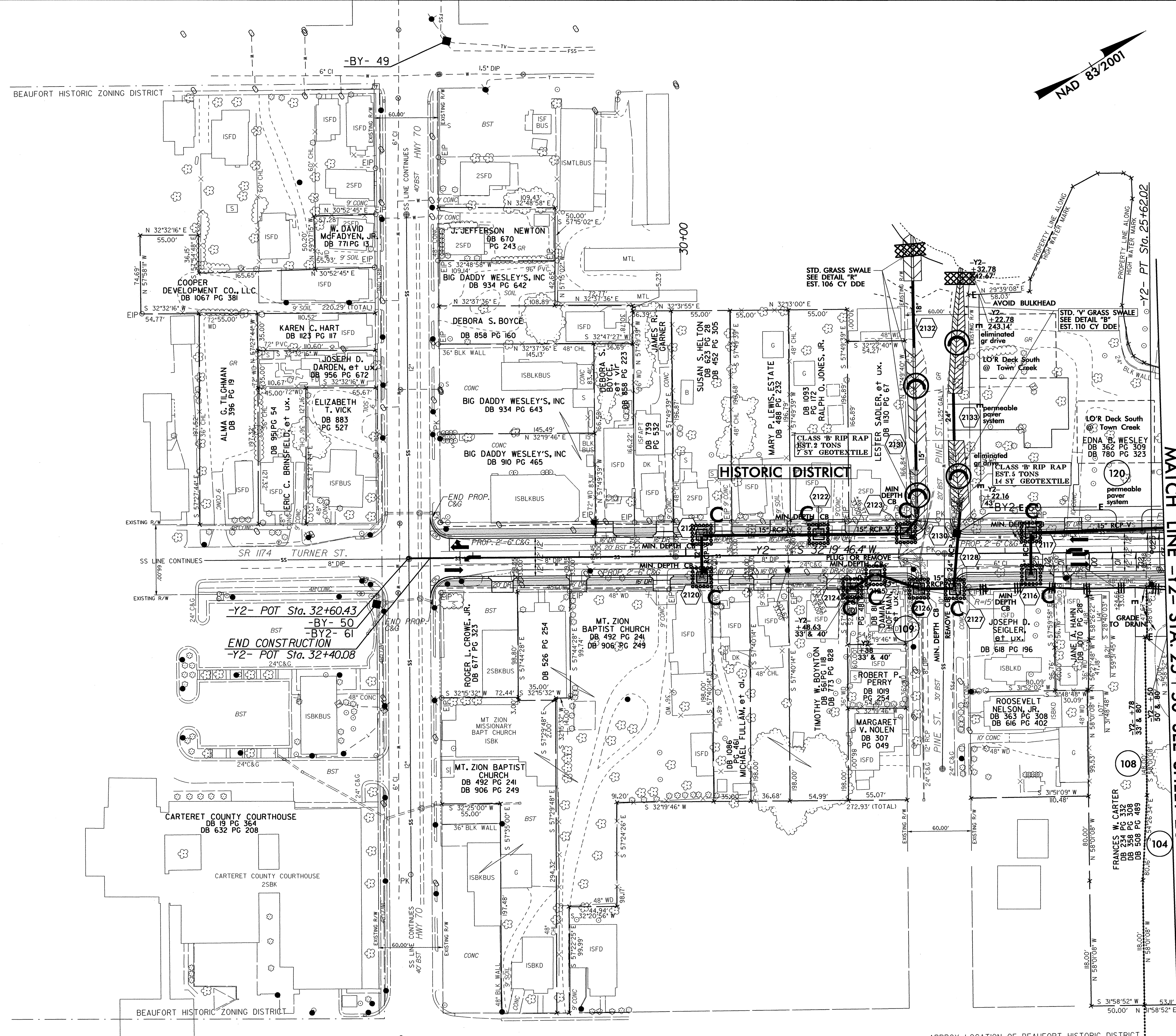
1.5 ACRE WETLAND GRASS PLANTING


 WETLAND GRASS PLANTING AREA
 SEE PROJECT SPECIAL PROVISIONS



SEE EC-48 AND PROJECT SPECIAL PROVISIONS

PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-43/CONST.21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



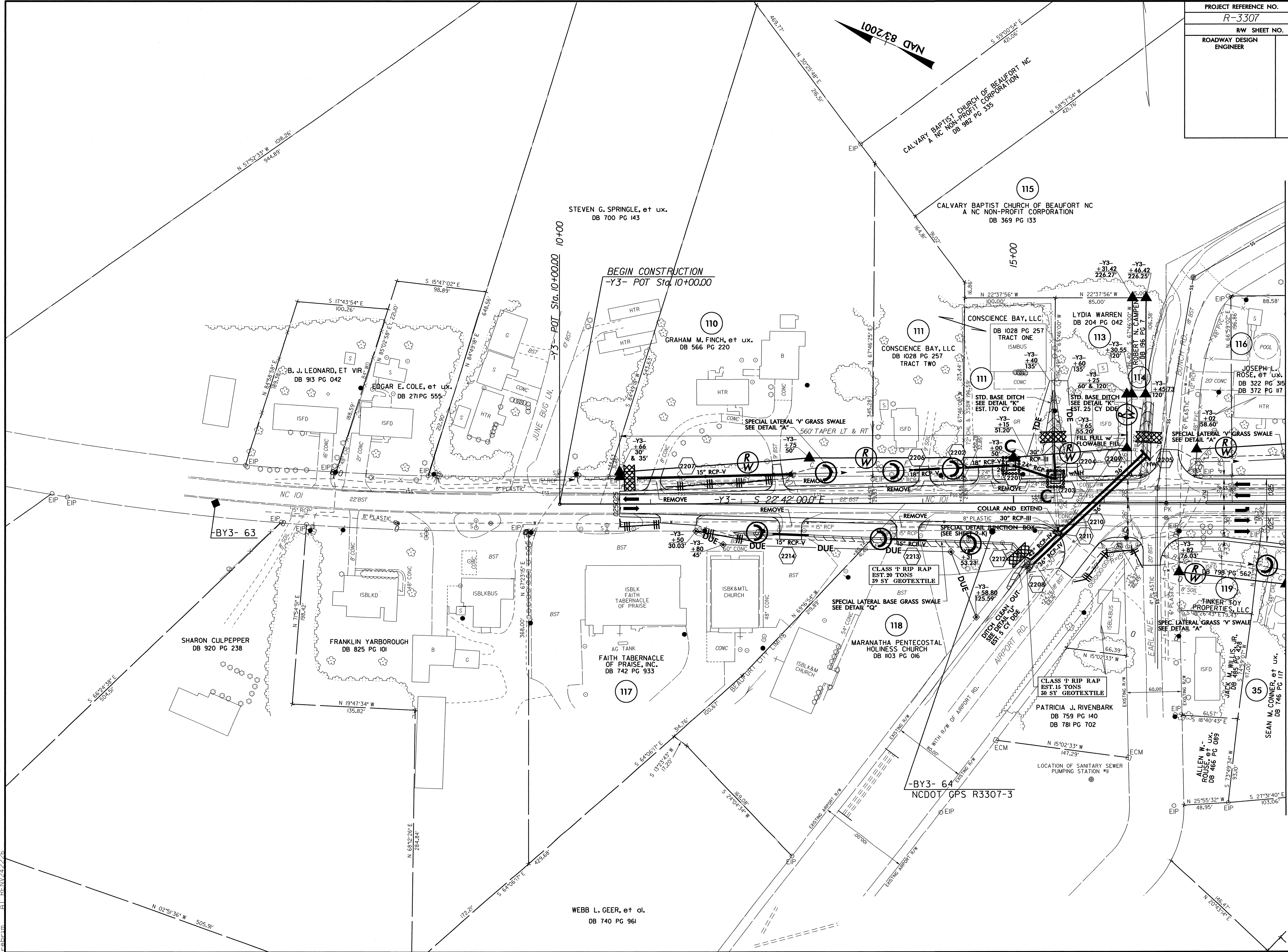
MATCH LINE -Y2- STA. 25 + 50 SEE SHEET 20

LEGEND	
	HISTORIC DISTRICT BOUNDARY

APPROX. LOCATION OF BEAUFORT HISTORIC DISTRICT PER NATIONAL REGISTER OF HISTORIC PLACES DESCRIPTION

03-MAR-2012 13:47
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psh

PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-44/CONST.22
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE -Y3- STA. 18+00 SEE SHEET 12

02-MAR-2012 13:47
 R:\Projects\3307\EC\psh_a22.dgn
 AT: BREN242726

N 02°51'36" W 505.91'
 172.20'
 S 64°06'11" E 423.188'

WEBB L. GEER, et al.
 DB 740 PG 961

-BY3- 64
 NCDOT GPS R3307-3

ALLEN W. ROUSE, et ux.
 DB 466 PG 089
 S 27°31'40" E 103.06'
 N 25°55'32" W 48.35'

SEAN M. CONNER, et ux.
 DB 746 PG 117

TINKER BOY PROPERTIES, LLC
 DB 798 PG 562

PATRICIA J. RIVENBARK
 DB 759 PG 140
 DB 781 PG 702

MARANATHA PENTECOSTAL HOLINESS CHURCH
 DB 1103 PG 016

FAITH TABERNACLE OF PRAISE, INC.
 DB 742 PG 933

FRANKLIN YARBOROUGH
 DB 825 PG 101

SHARON CULPEPPER
 DB 920 PG 238

ISBLK D

ISBLK BUS

ISBLK MTL CHURCH

ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

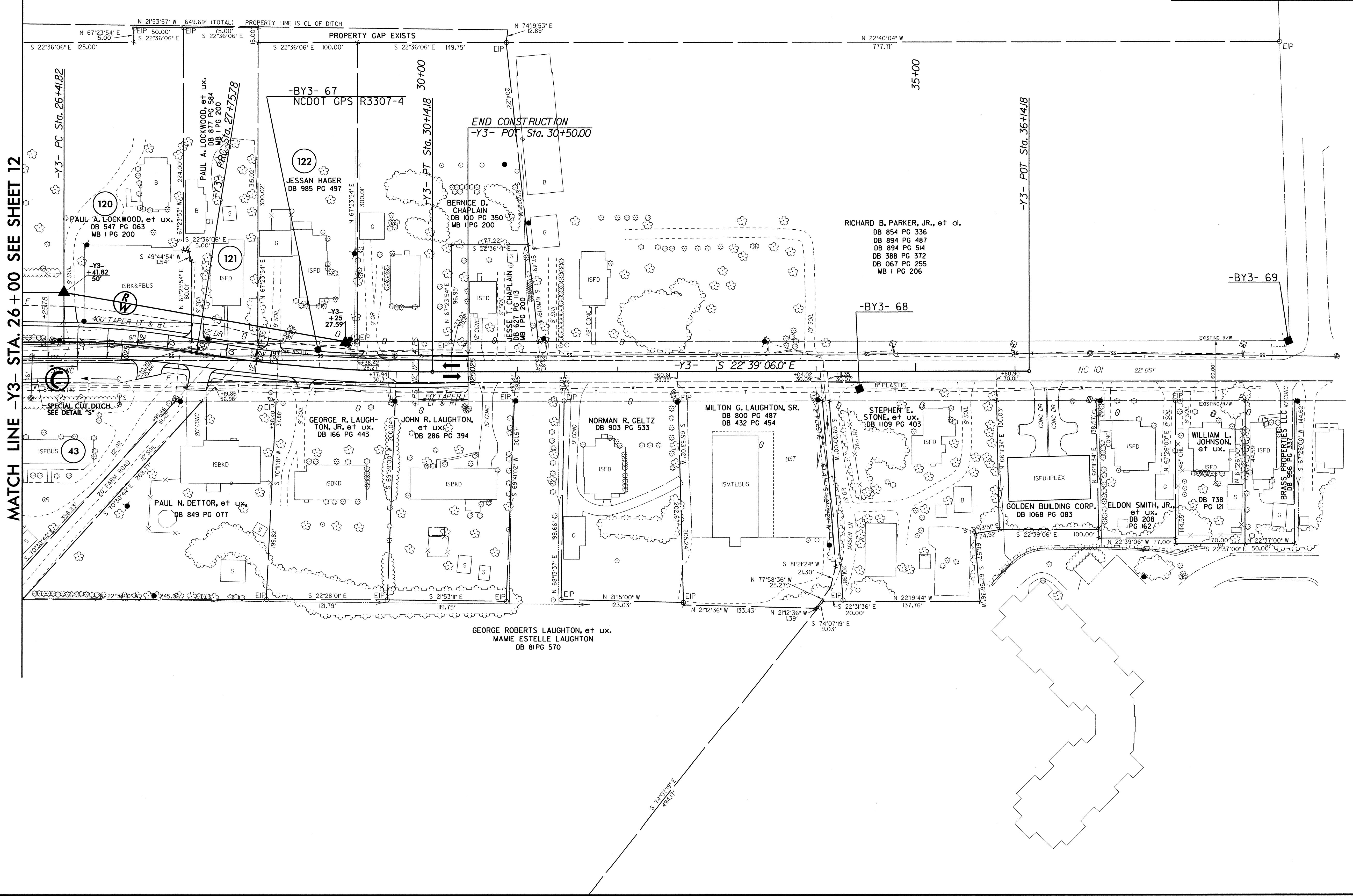
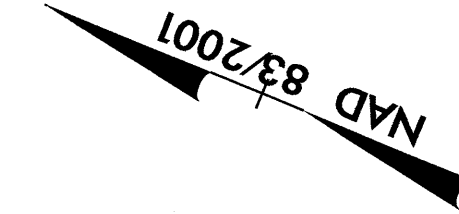
ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

ISBLK & MTL CHURCH

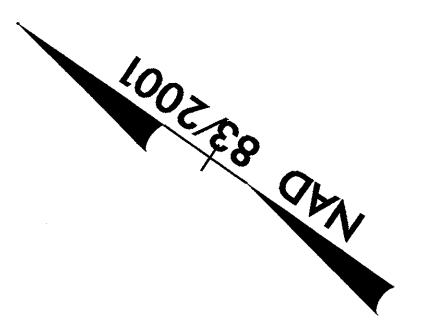
ISBLK & MTL CHURCH

PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-45/CONST.23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

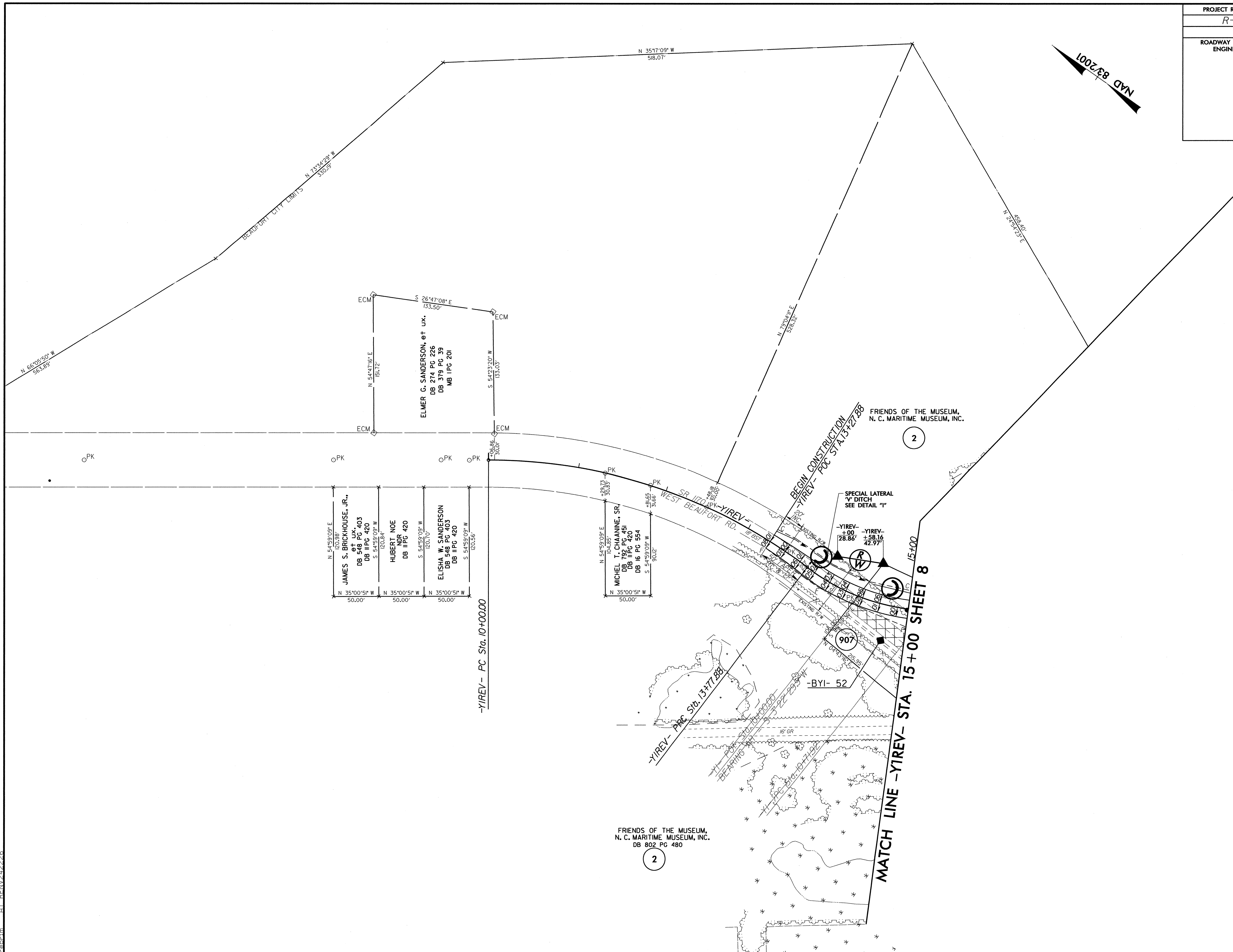


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PROJECT REFERENCE NO.	SHEET NO.
R-3307	EC-46/CONST.24
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS



02-MAR-2012 13:46
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 R:\Environmental\3307_EC_psh.s24.dgn

FRIENDS OF THE MUSEUM,
 N. C. MARITIME MUSEUM, INC.
 DB 802 PG 480

FRIENDS OF THE MUSEUM,
 N. C. MARITIME MUSEUM, INC.

JAMES S. BRICKHOUSE, JR.,
 6' Ux.
 DB 548 PG 403
 DB 11 PG 420
 S 54°59'09" W
 120.84'

HUBERT NOE
 NDR
 DB 11 PG 420
 S 54°59'09" W
 120.70'

ELISHA W. SANDERSON
 DB 548 PG 403
 DB 11 PG 420
 S 54°59'09" W
 120.56'

MICHEL T. CHAMINE, SR.
 DB 792 PG 451
 DB 11 PG 420
 DB 16 PG 554
 S 54°59'09" W
 90.02'

ELMER G. SANDERSON, et ux.
 DB 274 PG 226
 DB 379 PG 39
 MB 1 PG 201

SPECIAL LATERAL
 "V" DITCH
 SEE DETAIL "I"

-YIREV-
 +00
 28.86'
 -YIREV-
 +58.16
 42.97'

907

-BYI- 52

2

2

MATCH LINE -YIREV- STA. 15+00 SHEET 8

BEGIN CONSTRUCTION
 -YIREV- POC STA. 13+77.88

SR 170 WEST BEAUFORT RD.

-YIREV- POC STA. 13+77.88

BEAUFORT CITY LIMITS

N 65°05'50" W
 563.259'

N 77°30'29" W
 300.59'

N 35°17'09" W
 518.07'

N 24°5'43" E
 625.40'

S 26°47'08" E
 133.50'

N 54°47'05" E
 151.72'

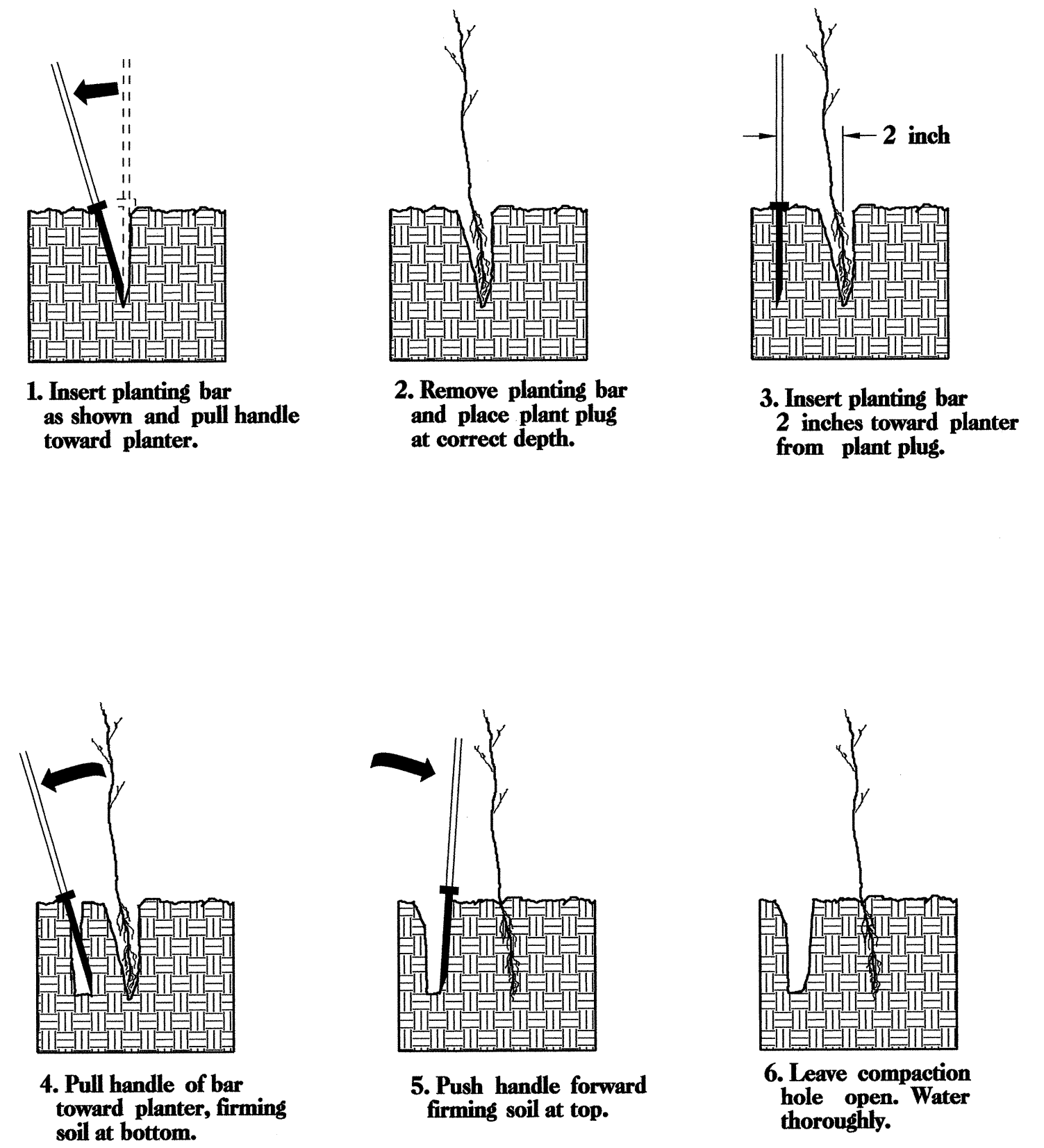
S 54°27'02" W
 133.05'

N 78°11" E
 528.32'

PROJECT REFERENCE NO. R-3307	SHEET NO. EC-48
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

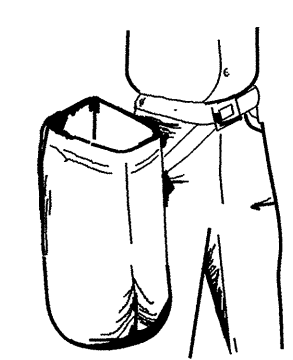
PLANTING DETAILS

DIBBLE PLANTING METHOD USING THE KBC PLANTING BAR

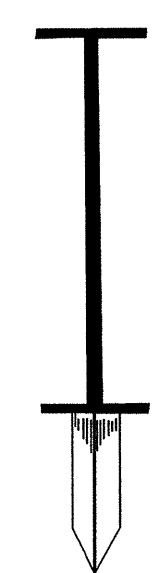


PLANTING NOTES:

PLANTING BAG
During planting, plant plugs shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.



KBC PLANTING BAR
Planting bar shall have a blade with a triangular cross section, and shall be 12 inches long, 4 inches wide and 1 inch thick at center.



WETLAND GRASS PLANTING

WETLAND GRASS SPECIES SHALL BE PLANTED 2 FT. TO 4 FT. ON CENTER, RANDOM SPACING, AVERAGING 3 FT. ON CENTER, APPROXIMATELY 4840 PLANTS PER ACRE.

WETLAND GRASS PLANTING

MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:

100% SPARTINA ALTERNIFLORA SMOOTH CORDGRASS 2 in PEAT POT

WETLAND GRASS PLANTING DETAIL SHEET

N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT