

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4125	TCP-1

**PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
GREENE COUNTY**

B-4125

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" HIGHWAY DESIGN BRANCH - N. C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N. C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD.NO.	TITLE
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES - TYPE III
DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - DIVIDED AND UNDIVIDED ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, INDEX OF SHEETS, PHASING, LOCAL NOTES, LEGEND, AND PAVEMENT MARKING SCHEDULE
TCP-2	PROJECT NOTES
TCP-3 & 4	OFF-SITE DETOUR
TCP-5	SPECIAL SIGN DESIGN

LEGEND

- GENERAL**
- DIRECTION OF TRAFFIC FLOW
 - NORTH ARROW
 - PROPOSED PVMT. EXIST. PVMT.
 - WORK AREA
 - REMOVAL OF EXISTING PAVEMENT

- TRAFFIC CONTROL DEVICES**
- TYPE I BARRICADE
 - TYPE II BARRICADE
 - TYPE III BARRICADE
 - CONE
 - DRUM SKINNY DRUM
 - FLASHING ARROW PANEL (TYPE C)
 - STATIONARY SIGN
 - PORTABLE SIGN
 - STATIONARY OR PORTABLE SIGN
 - WARNING FLAGS
 - CRASH CUSHION
 - CHANGEABLE MESSAGE SIGN
 - TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
 - POLICE
 - FLAGGER

- PAVEMENT MARKINGS**
- CRYSTAL/CRYSTAL PAVEMENT MARKER
 - YELLOW/YELLOW PAVEMENT MARKER
 - CRYSTAL/RED PAVEMENT MARKER
 - PAVEMENT MARKING SYMBOLS

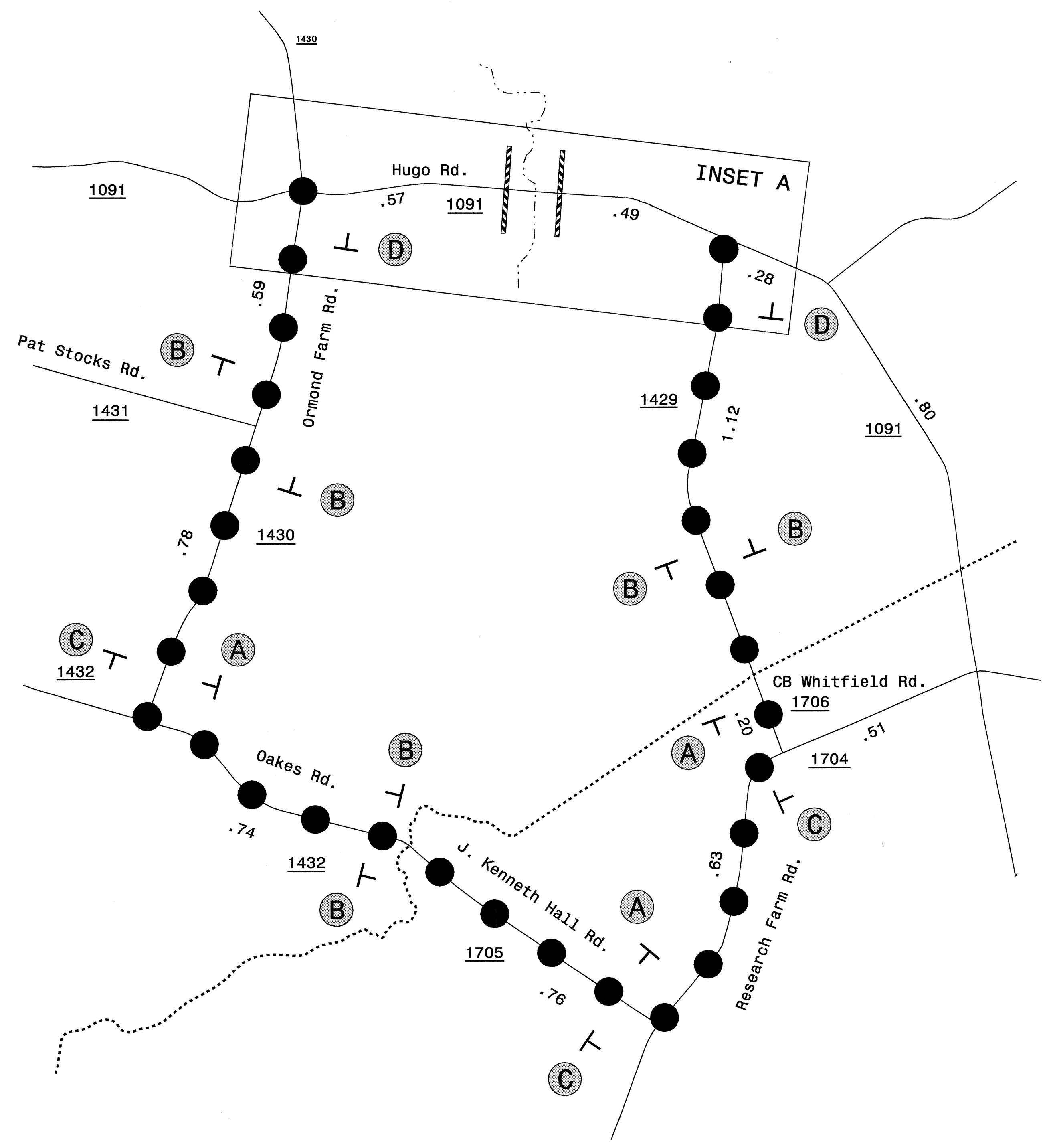
Pavement Marking Schedule			
SYMBOL	DESCRIPTION	PAY ITEM QUANTITY BREAKDOWN	TOTAL QUANTITY
FINAL PAVEMENT MARKINGS			
PAINT (4")			
PA	WHITE EDGELINE (2X)	4800 LF	
PI	YELLOW DOUBLE CENTER (2X)	4800 LF	
		TOTAL	9600 LF
MARKERS			
PERMANENT RAISED PAVEMENT MARKERS			
MA	YELLOW & YELLOW	15 EA	
		TOTAL	15 EA

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS, AND 3X IMPLIES THREE APPLICATIONS.

TIP PROJECT:

05-JAN-2007 11:11 \\dot\dfs\root\0\N\Proj\T\p\proj\traffic\trafficcontrol\top\b-4125-tc-tcp-01.dgn AT WZTC22402 dwbissette

APPROVED:	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
DATE: 1/8/07	
SEAL	J. S. BOURNE, P.E. TRAFFIC CONTROL ENGINEER
	J. S. KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER
	J. D. KUSE, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	D. W. BISSETTE, P.E. TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

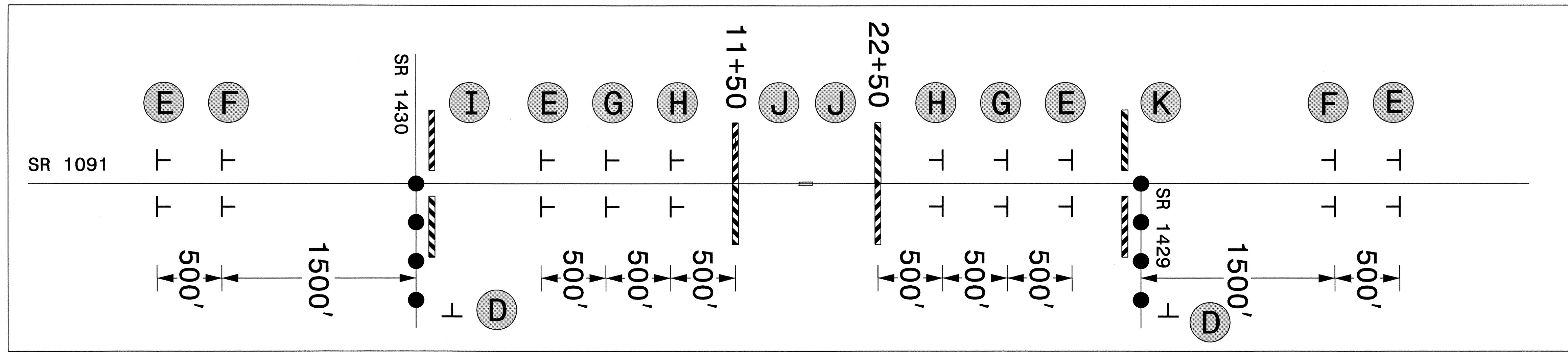


PHASING

- STEP 1 INSTALL DETOUR SIGNS, ROAD CLOSED SIGNS AND TYPE III BARRICADES CLOSING SR 1091 TO THROUGH TRAFFIC AS SHOWN ON TCP-3, TCP-4 AND TCP-5 AND IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9 AND ROADWAY STANDARD DRAWING 1145.01, SHEET 1 OF 1. SEE LOCAL NOTES NO. 1 AND 2)
- STEP 3 CONSTRUCT THE FOLLOWING WITHIN THE ROAD CLOSURE: (SEE LOCAL NOTES NO. 3 AND 4)
 - REMOVE THE EXISTING STRUCTURE.
 - CONSTRUCT THE PROPOSED STRUCTURE.
 - CONSTRUCT THE PROPOSED ROADWAY SECTION -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 11+50+/- TO STA. 16+42+/- AND FROM STA. 17+42+/- TO STA. 22+50+/-.
- STEP 4 PLACE THE FINAL LAYER OF SURFACE COURSE ON -L- FROM STA. 12+50+/- TO STA. 22+50+/-.
- STEP 5 APPLY THE FINAL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON -L- FROM STA. 12+50+/- TO STA. 22+50+/- (SEE LOCAL NOTE NO. 5)
- STEP 6 REMOVE ALL BARRICADES, ROAD CLOSED SIGNS AND DETOUR SIGNS AND OPEN SR 1091 TO THROUGH TRAFFIC. (SEE LOCAL NOTE NO. 1)

08-JAN-2007 13:48
 \\dot\dfsroot\0\Proj\1\pp\projects-b\4125\traffic\tr\affico\tr\cp\b-4125-tc-top_03.dgn
 dwb\issette AT WZTC22402

APPROVED: <i>Jessica D. Kute</i> DATE: 11/8/07	OFF-SITE DETOUR	
	SCALE: NONE	
	DATE: 11/06	
	DWG. BY: DWB	
	DESIGN BY: DWB	
REVIEWED BY: JDK	REVISIONS	



- A** (3 EA)

 M4-8 24" X 12"
 M6-1 21" X 15"
- B** (6 EA)

 M4-8 24" X 12"
 M6-3 21" X 15"
- C** (3 EA)

 M4-8 24" X 12"
 M6-1 L 21" X 15"
- D** (2 EA)

 M4-8 A 24" X 18"
- E** (8 EA)

 W20-3 48" X 48"
- F** (4 EA)

 W20-2 48" X 48"
- G** (4 EA)

 W20-3 48" X 48"
- H** (4 EA)

 W20-3 48" X 48"
- I** (2 EA)

 R11-4 60" X 30"
 M4-10R 48" X 18"
- J** (2 SETS)

 R11-2 48" X 30"
- K** (2 EA)

 R11-4 60" X 30"
 M4-10L 48" X 18"

04-JAN-2007 16:24
 \\dot\dfsroot\Pro\Hipp\Projects-B\4125\Traffic\TrafficControl\Top\B-4125_TC_TCP_04.dgn
 dwb\sette AT WZTC22402

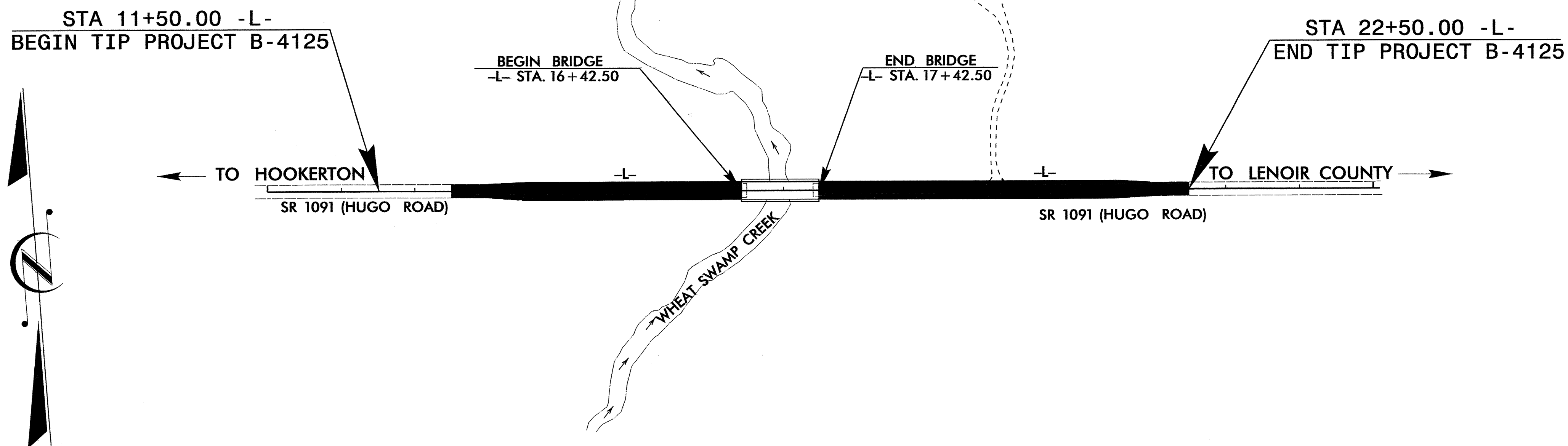
APPROVED: <i>Jessica D. Kute</i> DATE: 11/07		OFF-SITE DETOUR	
	SCALE: NONE		REVISIONS
	DATE: 11/06		
	DWG. BY: DWB		
	DESIGN BY: DWB		
	REVIEWED BY: JDK		

TIP PROJECT: B-4125

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

LOCATION: BRIDGE NO. 46 OVER WHEAT SWAMP CREEK ON SR 1091

TYPE OF WORK: GRADING, DRAINAGE, PAVING & STRUCTURES



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4125	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation.....	
1630.03	Temporary Silt Ditch.....	
1630.05	Temporary Diversion.....	
1605.01	Temporary Silt Fence.....	
1606.01	Special Sediment Control Fence.....	
1622.01	Temporary Berms and Slope Drains.....	
1630.01	Riser Basin.....	
1630.02	Silt Basin Type B.....	
1633.01	Temporary Rock Silt Check Type-A.....	
	Temporary Rock Silt Check Type-B.....	
1634.01	Temporary Rock Sediment Dam Type-A.....	
1634.02	Temporary Rock Sediment Dam Type-B.....	
1635.01	Rock Pipe Inlet Sediment Trap Type-A.....	
1635.02	Rock Pipe Inlet Sediment Trap Type-B.....	
1630.04	Stilling Basin.....	
	Rock Inlet Sediment Trap:	
1632.01	Type A.....	
1632.02	Type B.....	
1632.03	Type C.....	
	Skimmer Basin.....	
	Tiered Skimmer 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

0

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
 DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

Prepared In the Office of:
ROADSIDE ENVIRONMENTAL UNIT
 1 South Wilmington St.
 Raleigh, NC 27611
2006 STANDARD SPECIFICATIONS

Roadway Standard Drawings

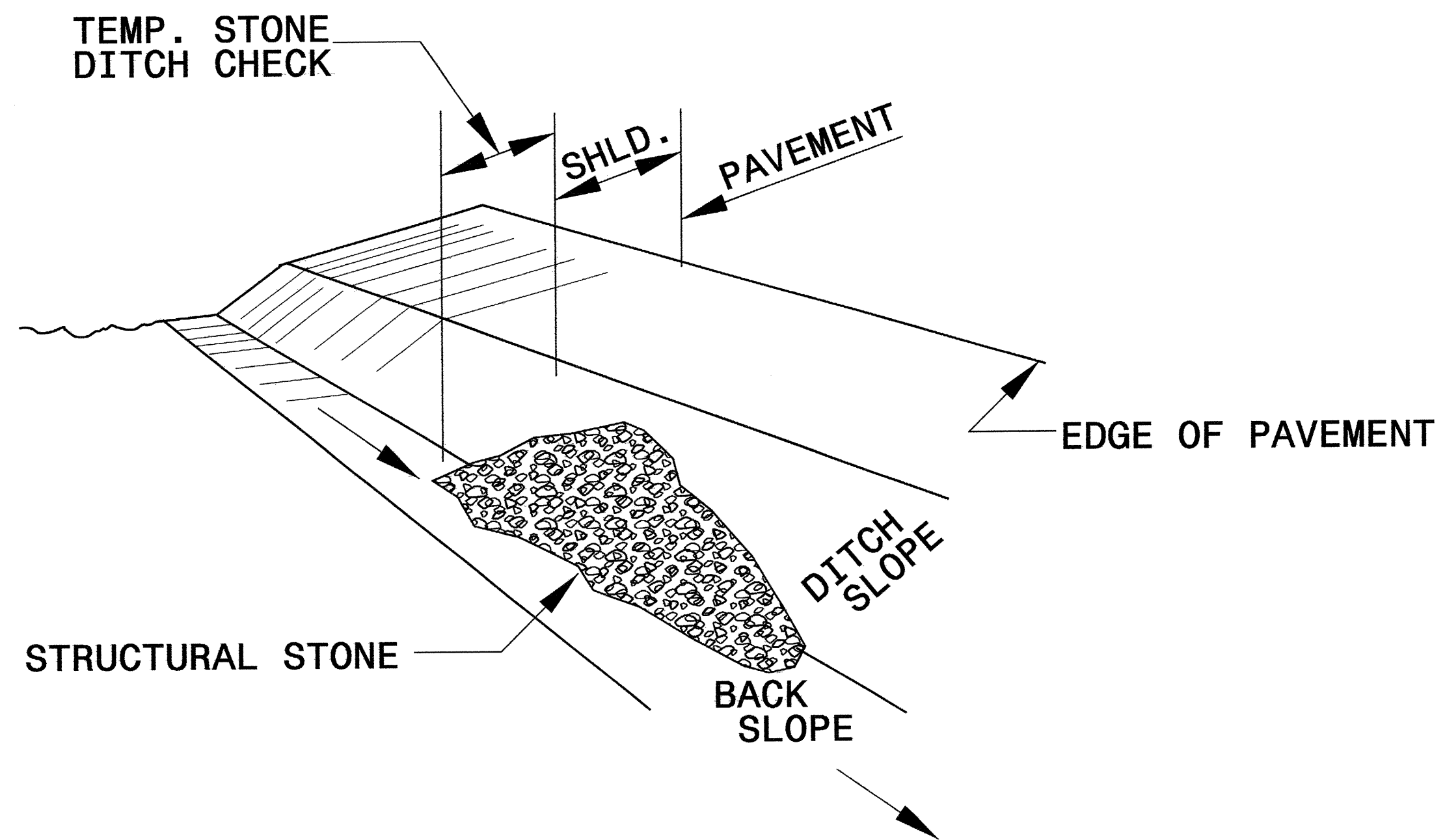
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1630.05 Temporary Diversion
1607.01 Gravel Construction Entrance	1632.03 Rock Inlet Sediment Trap Type C
1622.01 Temporary Berms and Slope Drains	1633.01 Temporary Rock Silt Check Type A
1630.02 Silt Basin Type B	

I:\2007\2007 1438\jects-b\4125\plan\roadside\design\4125_rdu.tah_040216.dgn
 m-rng 11/16/07 11:22:43

PROJECT REFERENCE NO. B-4125	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

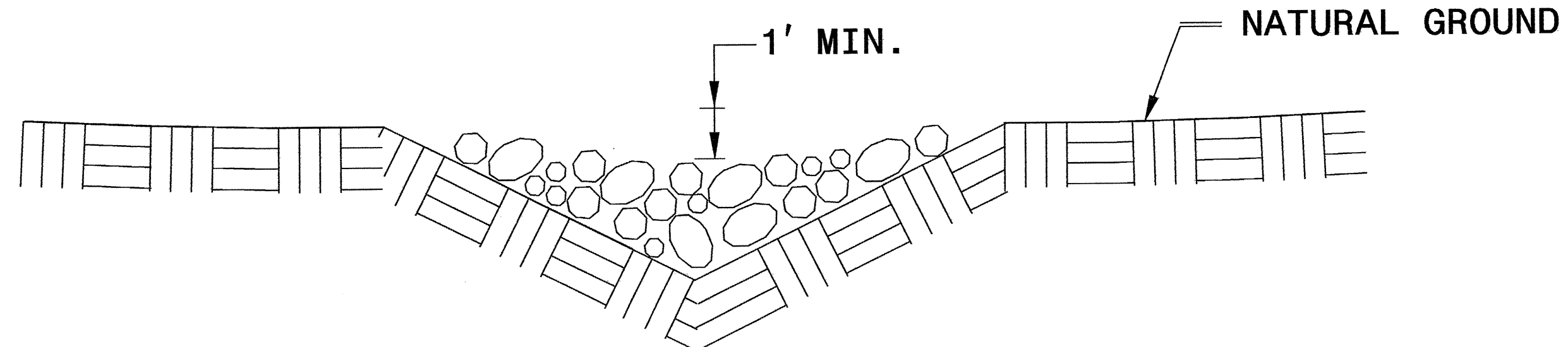


ISOMETRIC VIEW

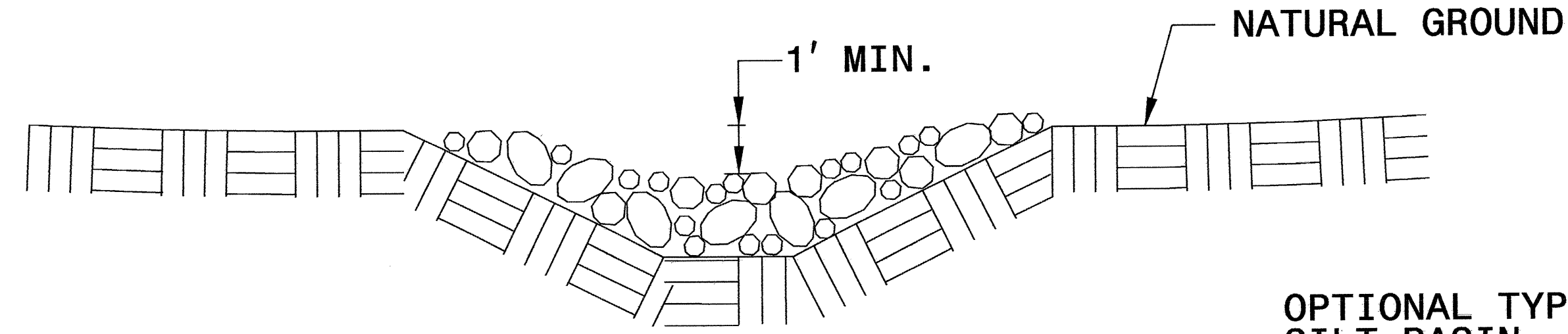
NOTES:

USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

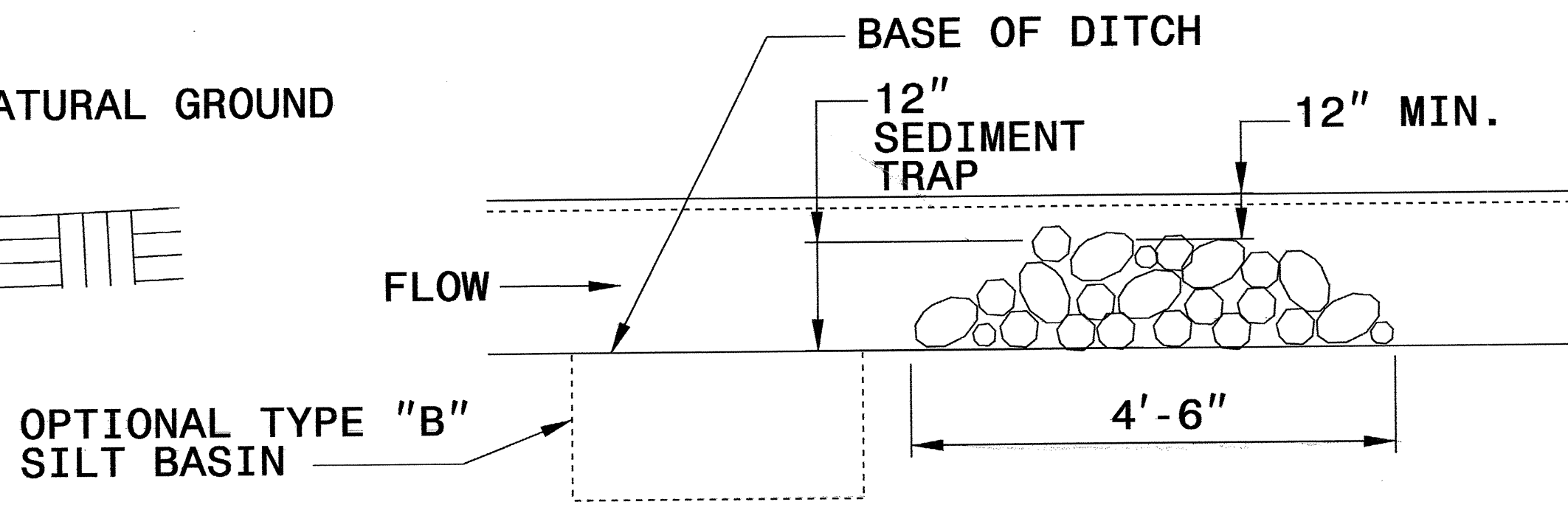
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



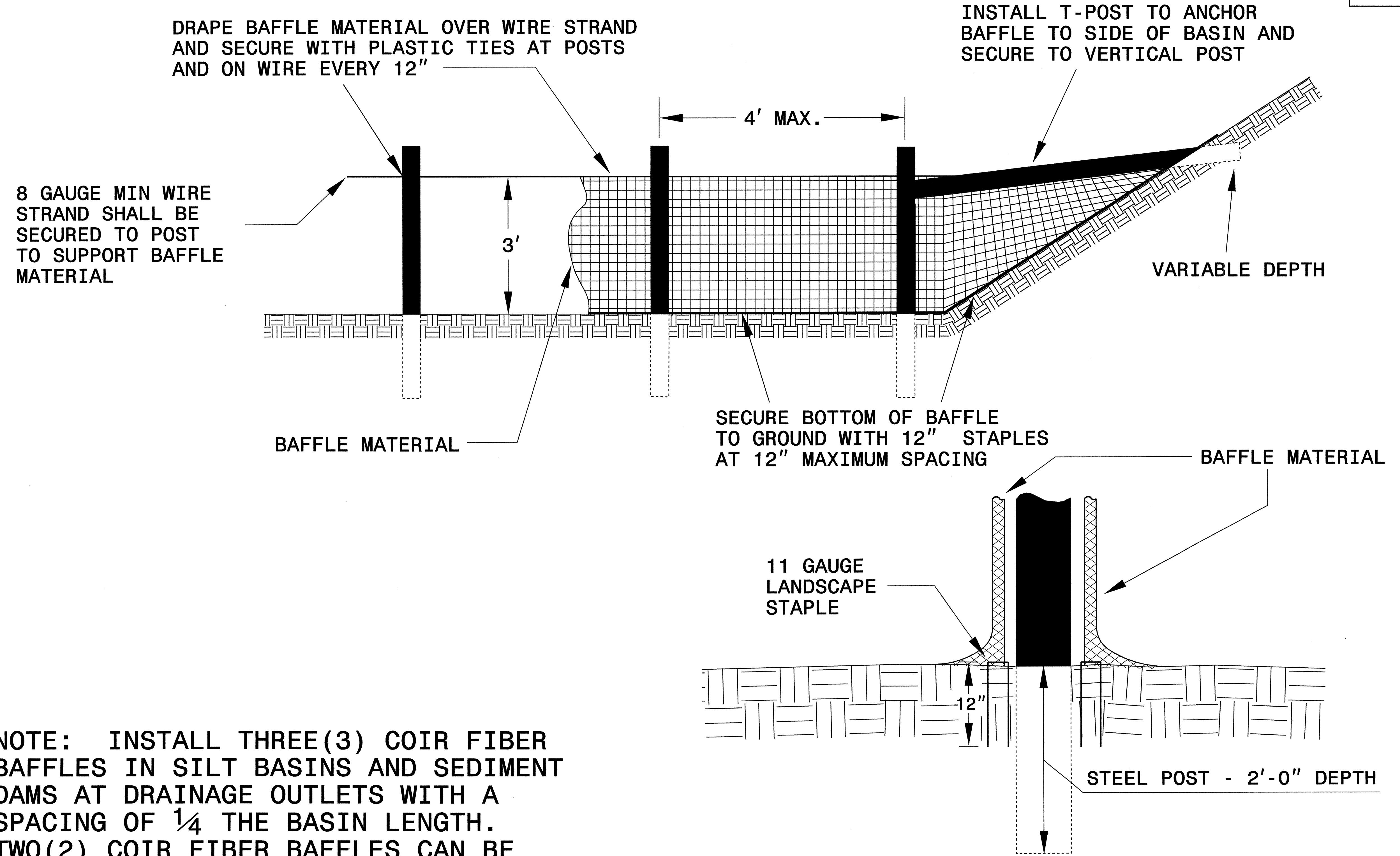
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

PROJECT REFERENCE NO. B-4125	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

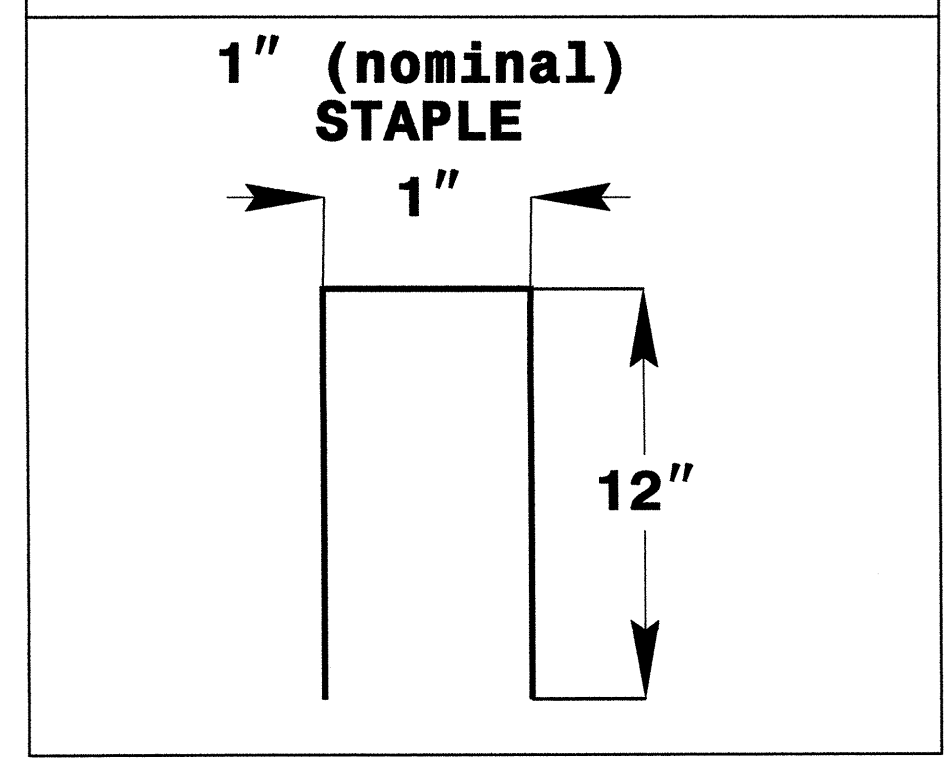
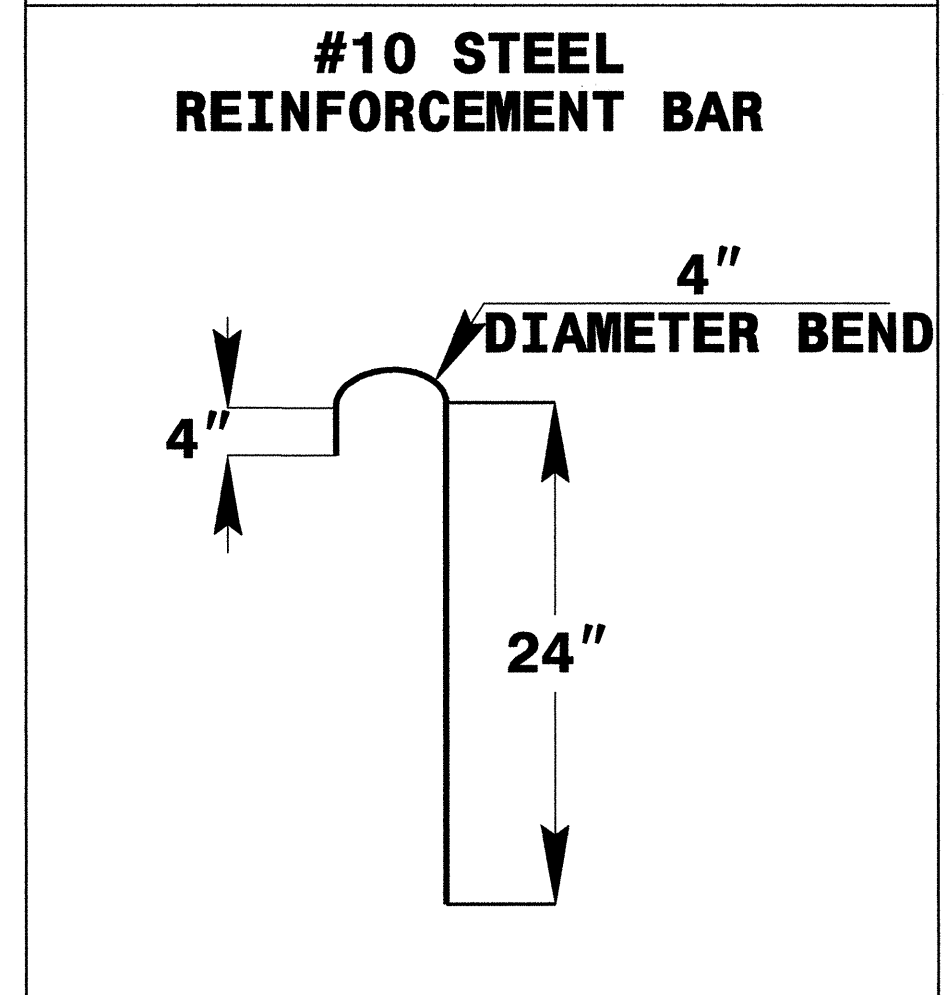
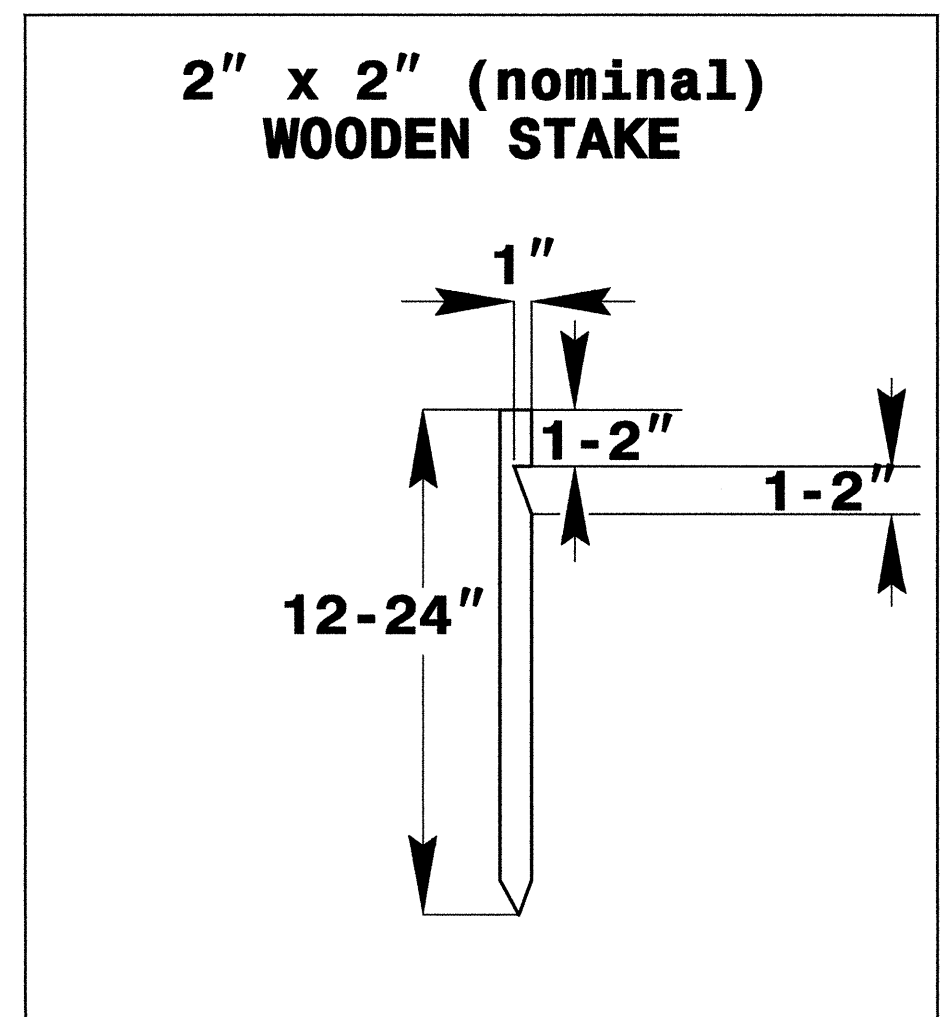
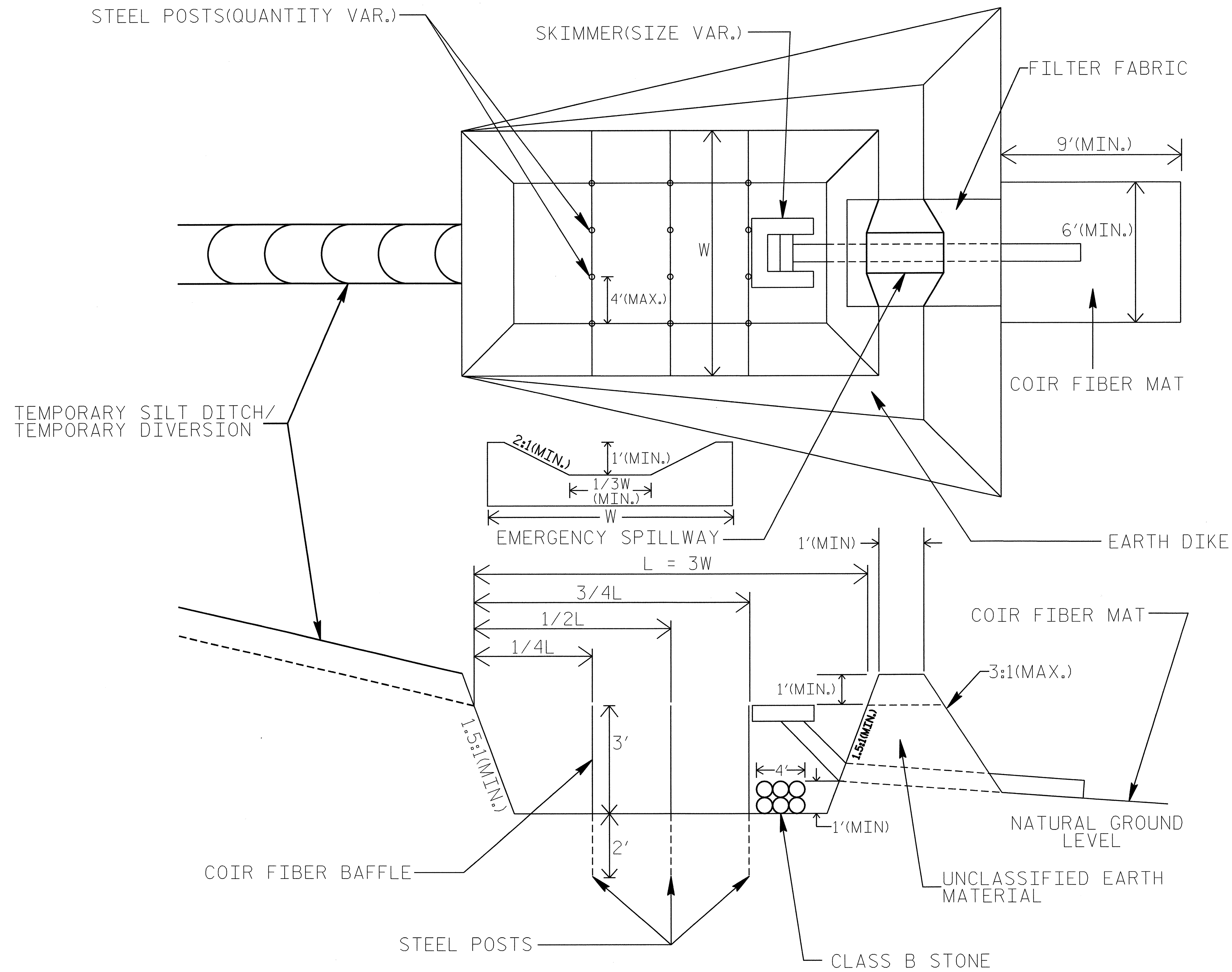
COIR FIBER BAFFLE DETAIL



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 20 FT. IN LENGTH WITH A SPACING OF $\frac{1}{3}$ THE BASIN LENGTH.

SKIMMER BASIN WITH BAFFLES DETAIL

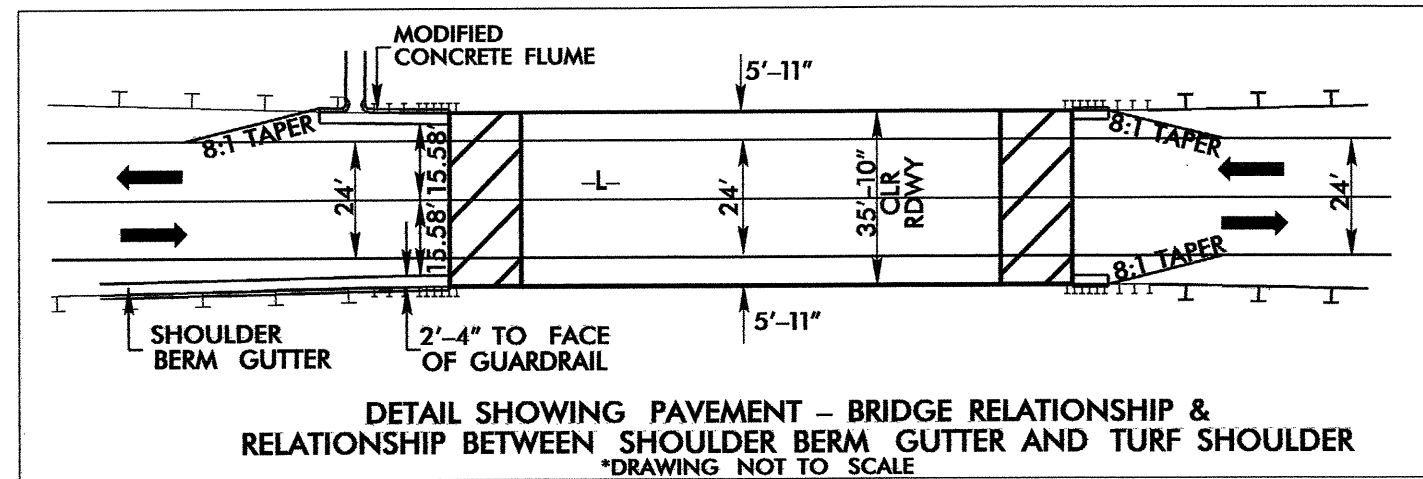
PROJECT REFERENCE NO. B-4125	SHEET NO. EC-2B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



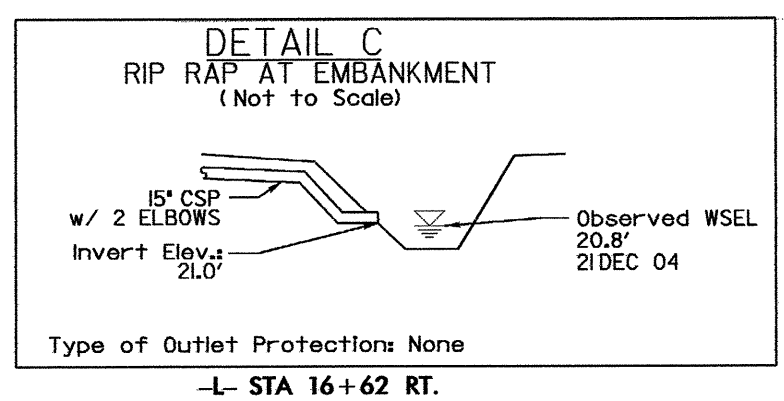
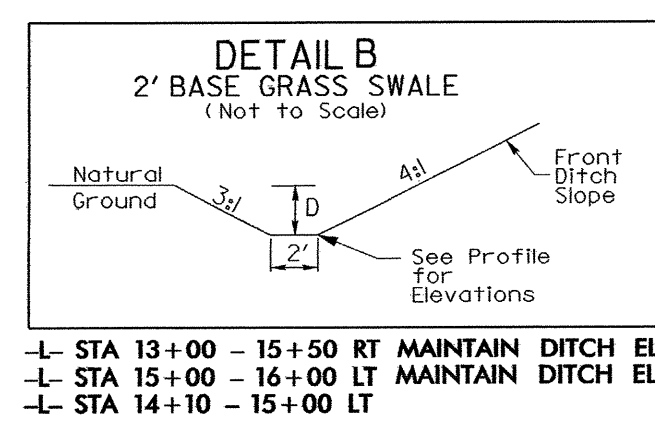
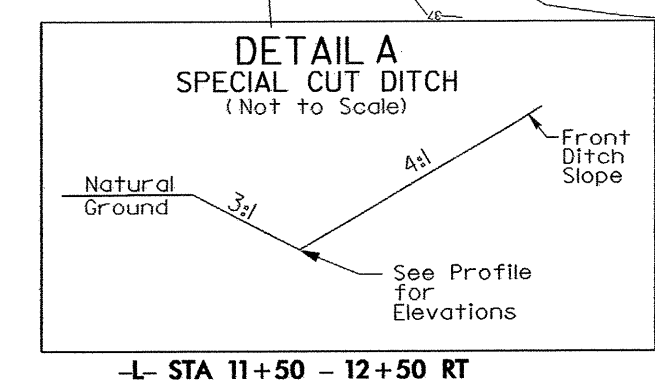
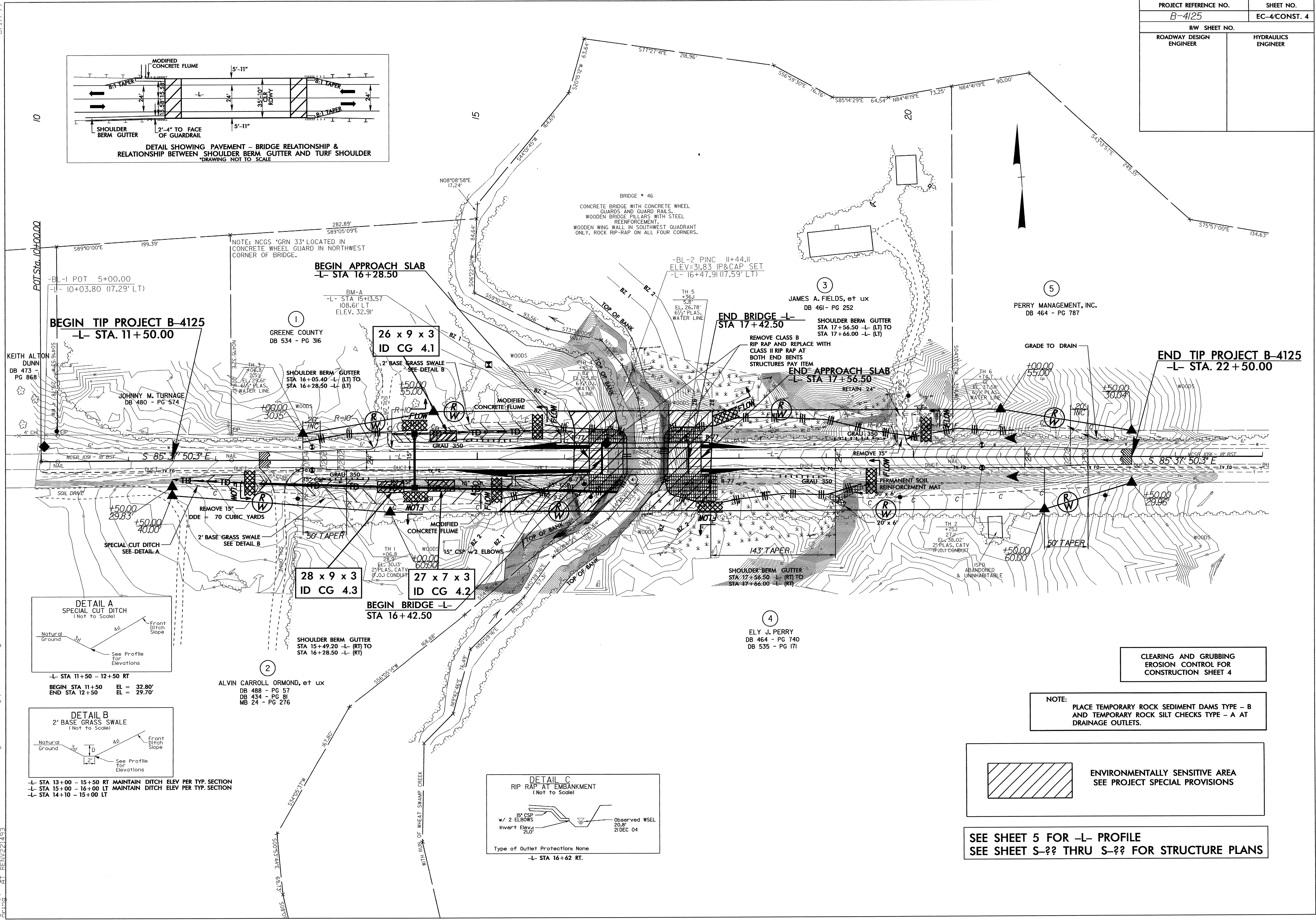
COIR FIBER MAT ANCHOR OPTIONS

- NOTES:
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON SIDESLOPES.
 2. LIMIT EARTH DIKE HEIGHT TO 5 FT.

PROJECT REFERENCE NO. B-4125	SHEET NO. EC-4/CONST. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



8/17/99
 12: JAN-2007 14:47
 C:\projects\ec-4\environmental\design\b4125_rdy.psh.040216.dgn
 REV 221493
 10



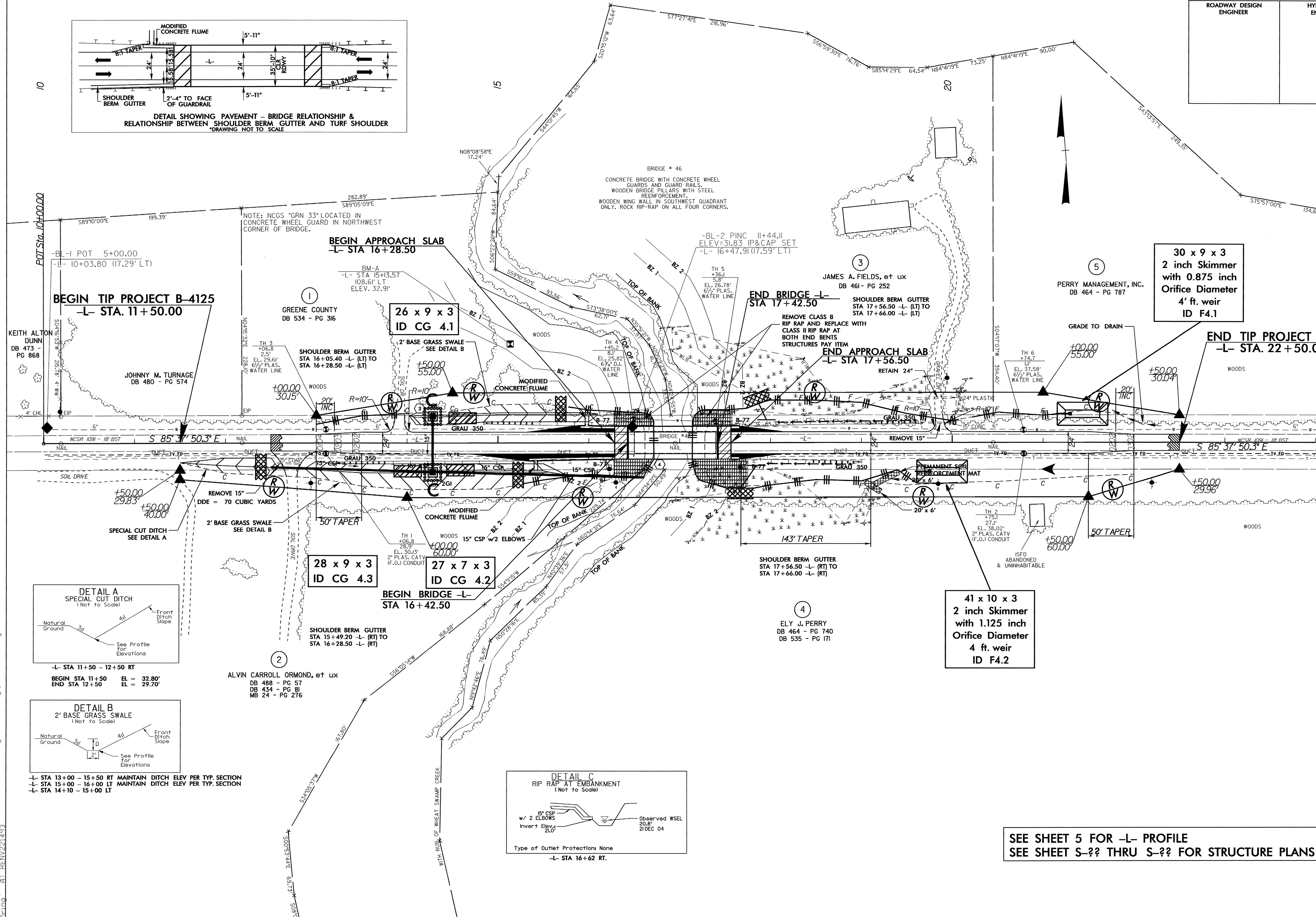
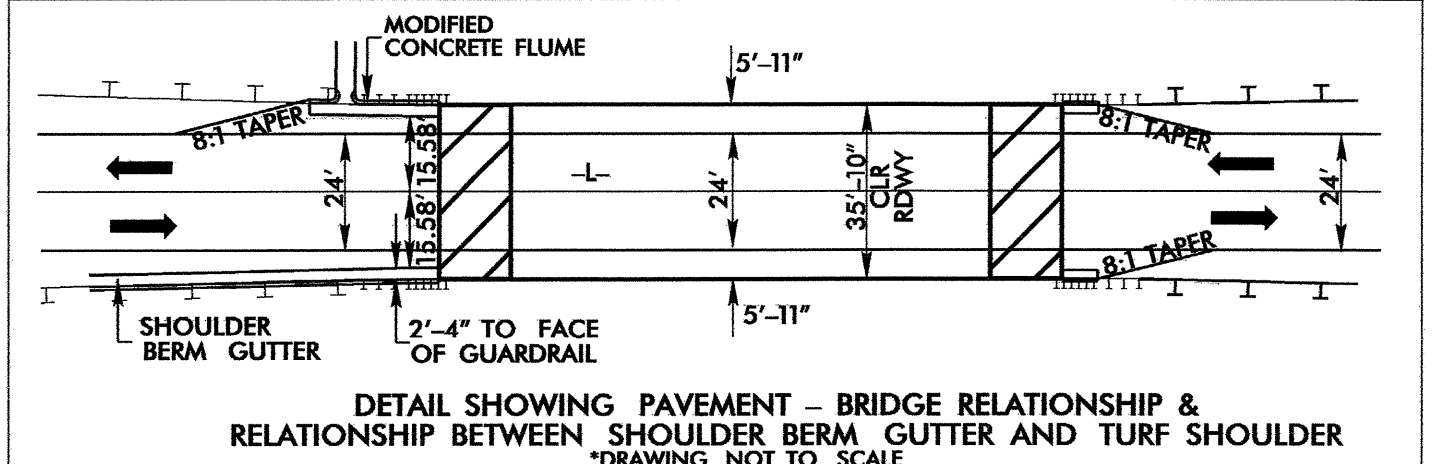
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

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

ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS

SEE SHEET 5 FOR -L- PROFILE
SEE SHEET S-?? THRU S-?? FOR STRUCTURE PLANS

PROJECT REFERENCE NO. B-4125	SHEET NO. EC-5/CONST. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



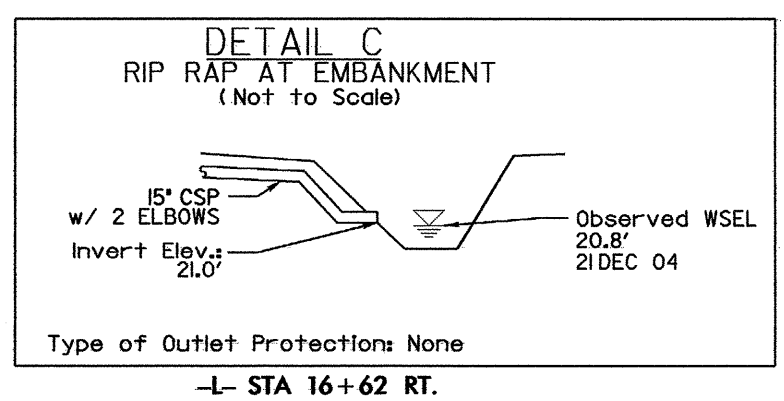
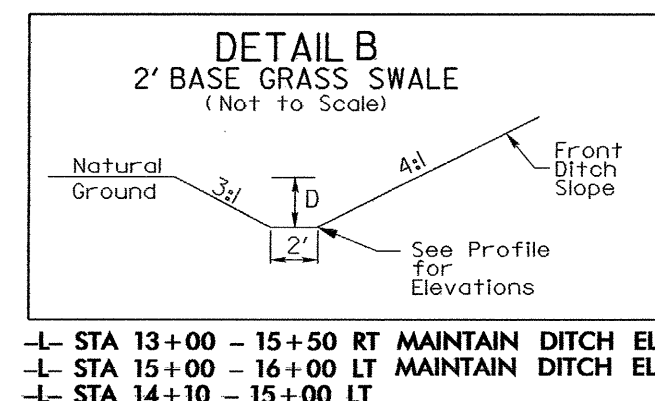
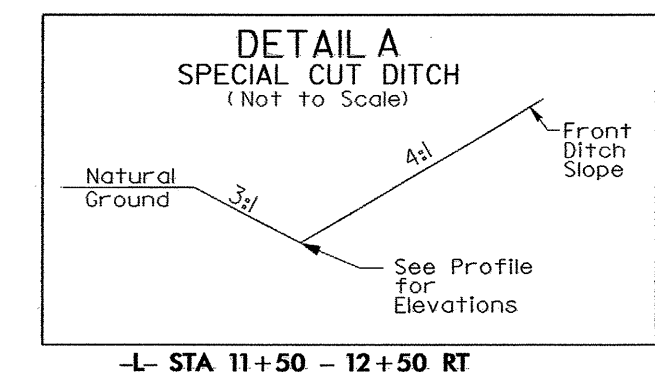
BEGIN TIP PROJECT B-4125
-L- STA. 11+50.00

BEGIN APPROACH SLAB
-L- STA 16+28.50

END BRIDGE -L-
STA 17+42.50

END APPROACH SLAB
-L- STA 17+56.50

END TIP PROJECT B-4125
-L- STA. 22+50.00



30 x 9 x 3
2 inch Skimmer
with 0.875 inch
Orifice Diameter
4' ft. weir
ID F4.1

41 x 10 x 3
2 inch Skimmer
with 1.125 inch
Orifice Diameter
4 ft. weir
ID F4.2

SEE SHEET 5 FOR -L- PROFILE
SEE SHEET S-?? THRU S-?? FOR STRUCTURE PLANS

I:\AN-2007_1444\p\p\environmental\design\B4125_rdy_psh_040216.dgn
 8/17/99
 1444
 B4125
 RY
 PSH