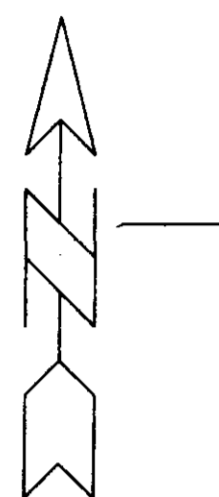


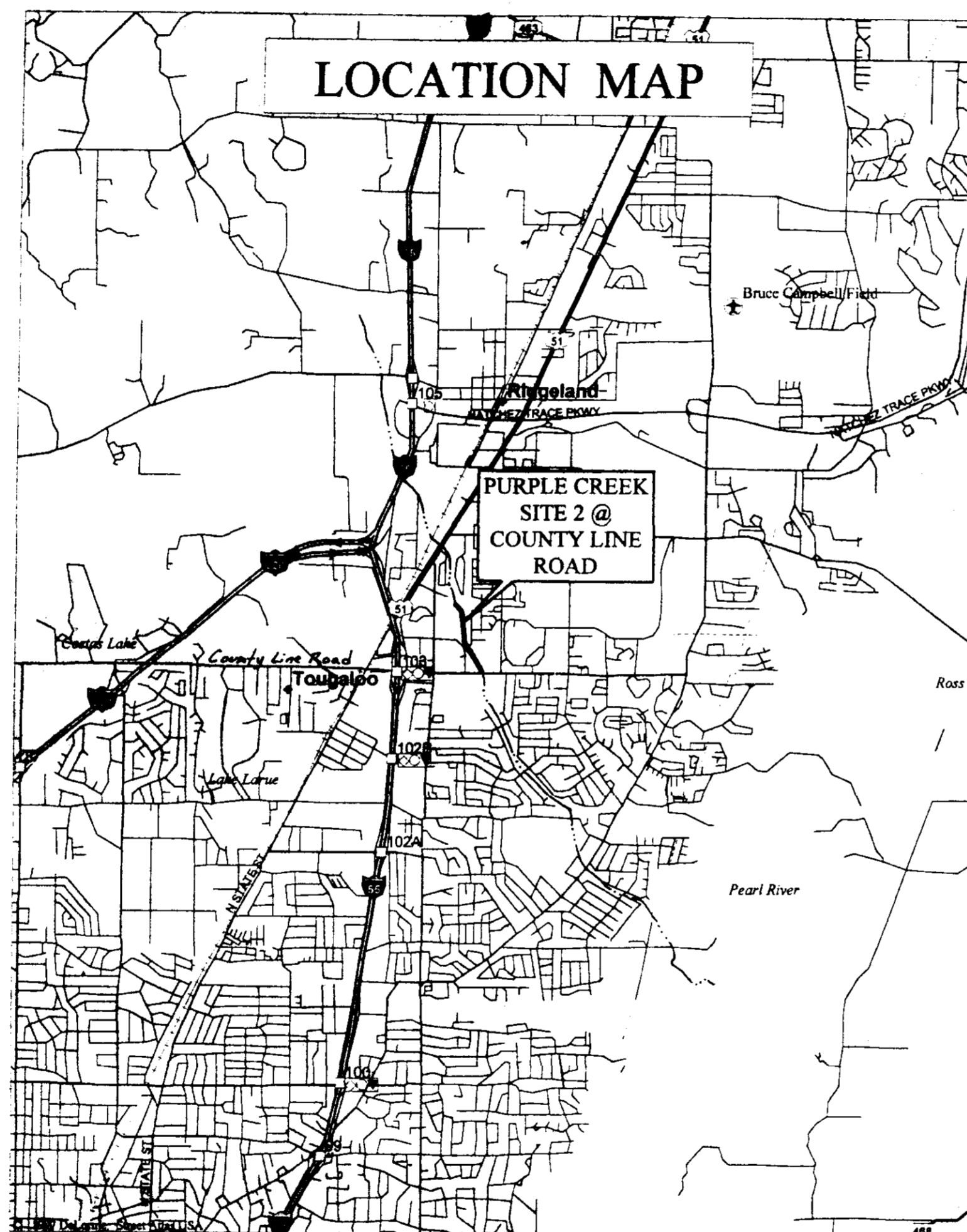
VICINITY MAP



Mag 13.00  
Thu Jan 22 07:22 1998  
Scale 1:50,250 (at center)  
5000 Feet

2000 Meters

- Local Road
- Exit/Gas
- Exit/Lodging
- Exit/Food
- US Highway
- Interstate/Limited Access
- Major Connector
- State Route
- Exit
- Utility/Pipe
- Railroad
- Small Town
- Public Airport
- County Boundary
- Water
- River/Canal
- Intermittent River



# PURPLE CREEK SITE 2 @ COUNTY LINE ROAD EMERGENCY WATERSHED PROTECTION MADISON COUNTY, MISSISSIPPI

UNITED STATES DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE  
CO-OPERATING WITH  
CITY OF RIDGELAND

PURPLE CREEK SITE 2 @ COUNTY LINE ROAD  
CITY OF RIDGELAND  
EMERGENCY WATERSHED PROTECTION  
MADISON COUNTY, MISSISSIPPI  
LOCATION MAP

<b>U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE</b>			
Designed	B.S. CULBERSON	Date	4/99
Drawn	F.C. SAMMONS	Date	4-22-99
Traced		Sheet No.	1 of 11
Checked	C.P. McELREATH	Date	4/99
		Drawing No. <b>4-E-28-409</b>	

PWP-01627

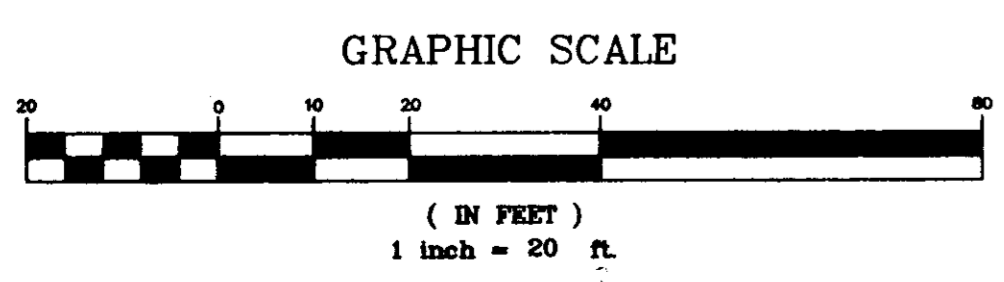
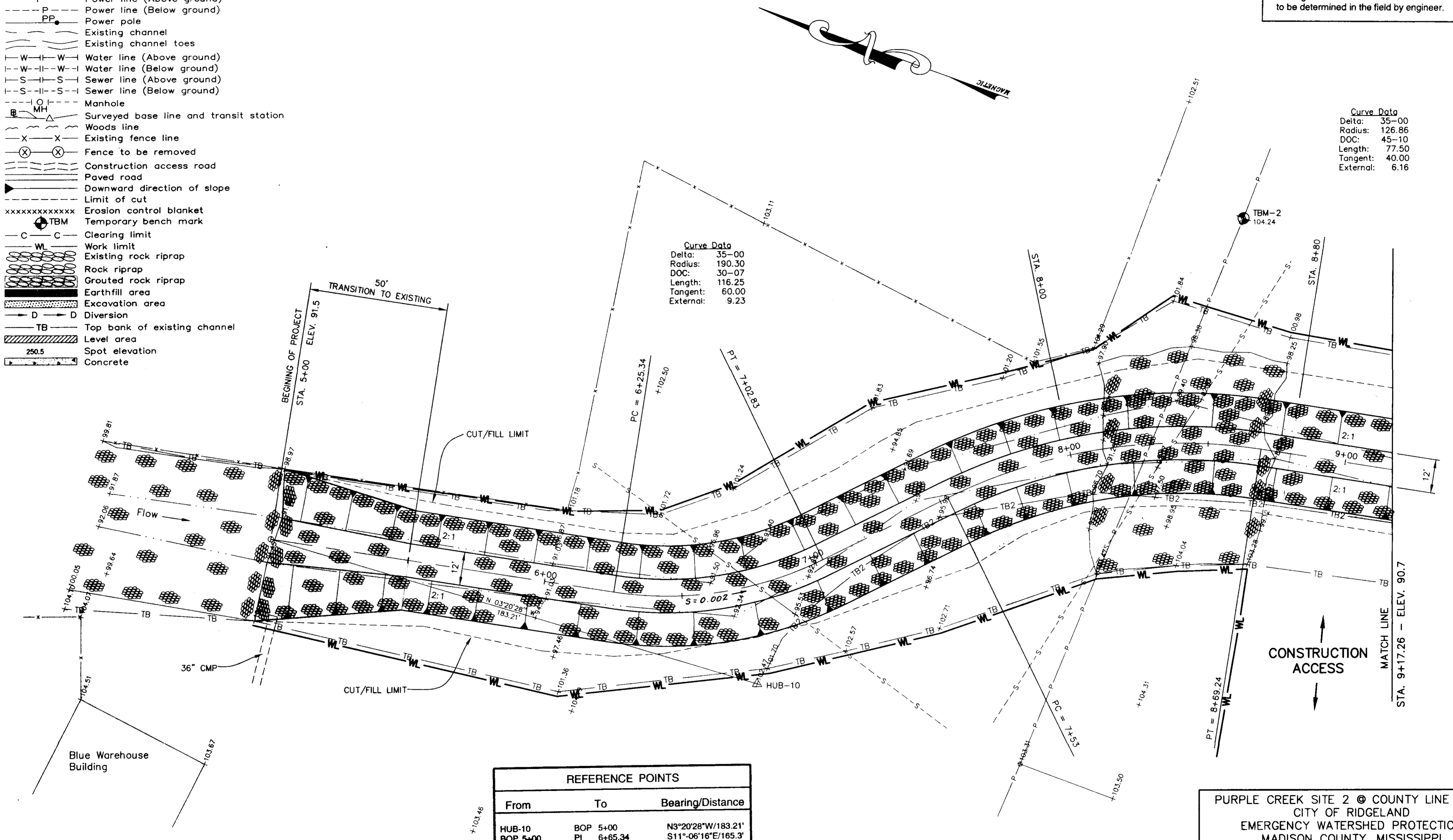
**LEGEND**

- Ground line
- Centerline
- △ Transit station
- T—T— Telephone line (Above ground)
- - -T - - - Telephone line (Below ground)
- - -G - - - Gas line (Below ground)
- - -P - - - Power line (Above ground)
- - -P - - - Power line (Below ground)
- PP Power pole
- Existing channel
- Existing channel toes
- W—W— Water line (Above ground)
- - -W - - - Water line (Below ground)
- S—S— Sewer line (Above ground)
- - -S - - - Sewer line (Below ground)
- MH Manhole
- Surveyed base line and transit station
- Woods line
- X—X— Existing fence line
- (X) Fence to be removed
- Construction access road
- Paved road
- Downward direction of slope
- Limit of cut
- xxxxxxx Erosion control blanket
- TBM Temporary bench mark
- C—C— Clearing limit
- WL Work limit
- Existing rock riprap
- Rock riprap
- Grouted rock riprap
- Earthfill area
- Excavation area
- D—D— Diversion
- TB Top bank of existing channel
- Level area
- 250.5 Spot elevation
- Concrete

Final alignment and elevations of side inlets to be determined in the field by engineer.

**Curve Data**  
 Delta: 35-00  
 Radius: 126.86  
 DOC: 45-10  
 Length: 77.50  
 Tangent: 40.00  
 External: 6.16

**Curve Data**  
 Delta: 35-00  
 Radius: 190.30  
 DOC: 30-07  
 Length: 116.25  
 Tangent: 60.00  
 External: 9.23



REFERENCE POINTS		
From	To	Bearing/Distance
HUB-10	BOP 5+00	N3°20'28"W/183.21'
BOP 5+00	PI 6+65.34	S11°-06'16"E/165.3'
PI 6+65.34	PI 8+13	S46°-06'16"E/150.2'
PI 8+13	PI 10+96.9	S11°-06'16"E/287.2'
PI 10+96.9	PI 19+13	S01°-06'16"E/834.7'
PI 19+13	PI 24+98.8	S11°-06'16"E/568.2'
PI 24+98.8	HUB-1	S31°-06'16"E/246.7'
HUB-1	EOP 37+44	S54°-14'45"E/141.4'

**PLAN**

PURPLE CREEK SITE 2 @ COUNTY LINE ROAD  
 CITY OF RIDGELAND  
 EMERGENCY WATERSHED PROTECTION  
 MADISON COUNTY, MISSISSIPPI  
**PLAN**

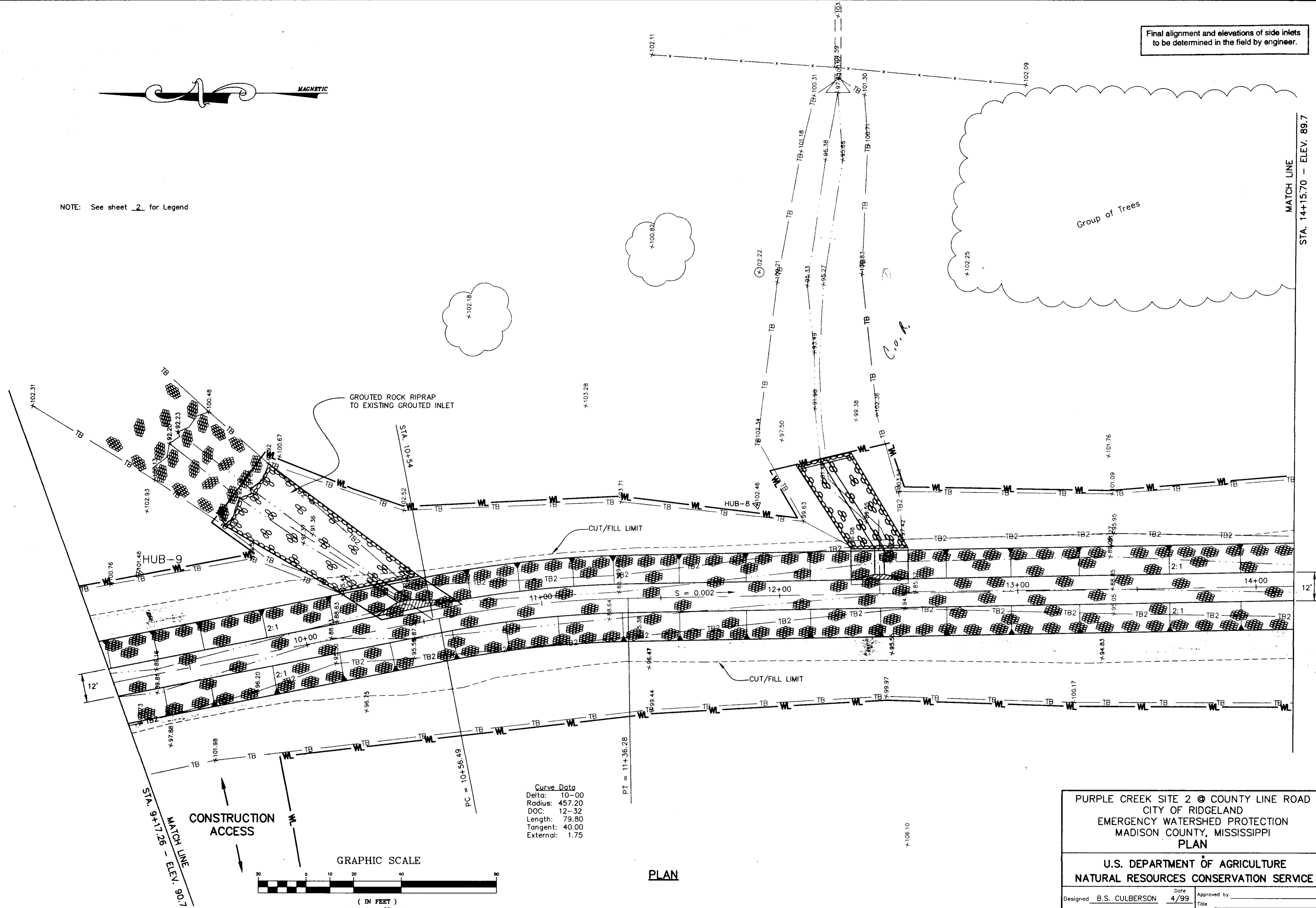
**U.S. DEPARTMENT OF AGRICULTURE  
 NATURAL RESOURCES CONSERVATION SERVICE**

Designed	B.S. CULBERSON	4/99	Approved by	
Drawn	F.C. SAMMONS	4/99	Date:	
Traced			Title	
Checked	C.P. McELREATH	4/99	Sheet No.	2
			of	11
			Drawing No.	4-E-28-409

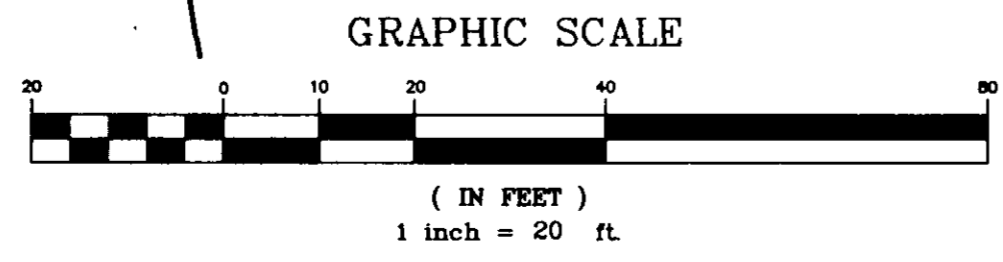


NOTE: See sheet 2 for Legend

Final alignment and elevations of side inlets to be determined in the field by engineer.



Curve Data  
 Delta: 10-00  
 Radius: 457.20  
 DOC: 12-32  
 Length: 79.80  
 Tangent: 40.00  
 External: 1.75



PLAN

MATCH LINE  
 STA. 14+15.70 - ELEV. 89.7

PURPLE CREEK SITE 2 @ COUNTY LINE ROAD  
 CITY OF RIDGELAND  
 EMERGENCY WATERSHED PROTECTION  
 MADISON COUNTY, MISSISSIPPI  
**PLAN**

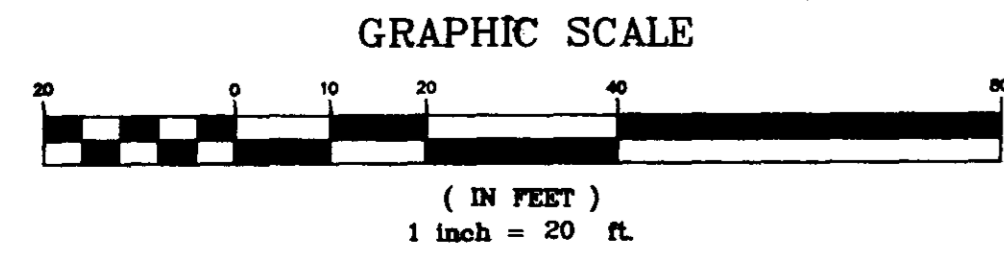
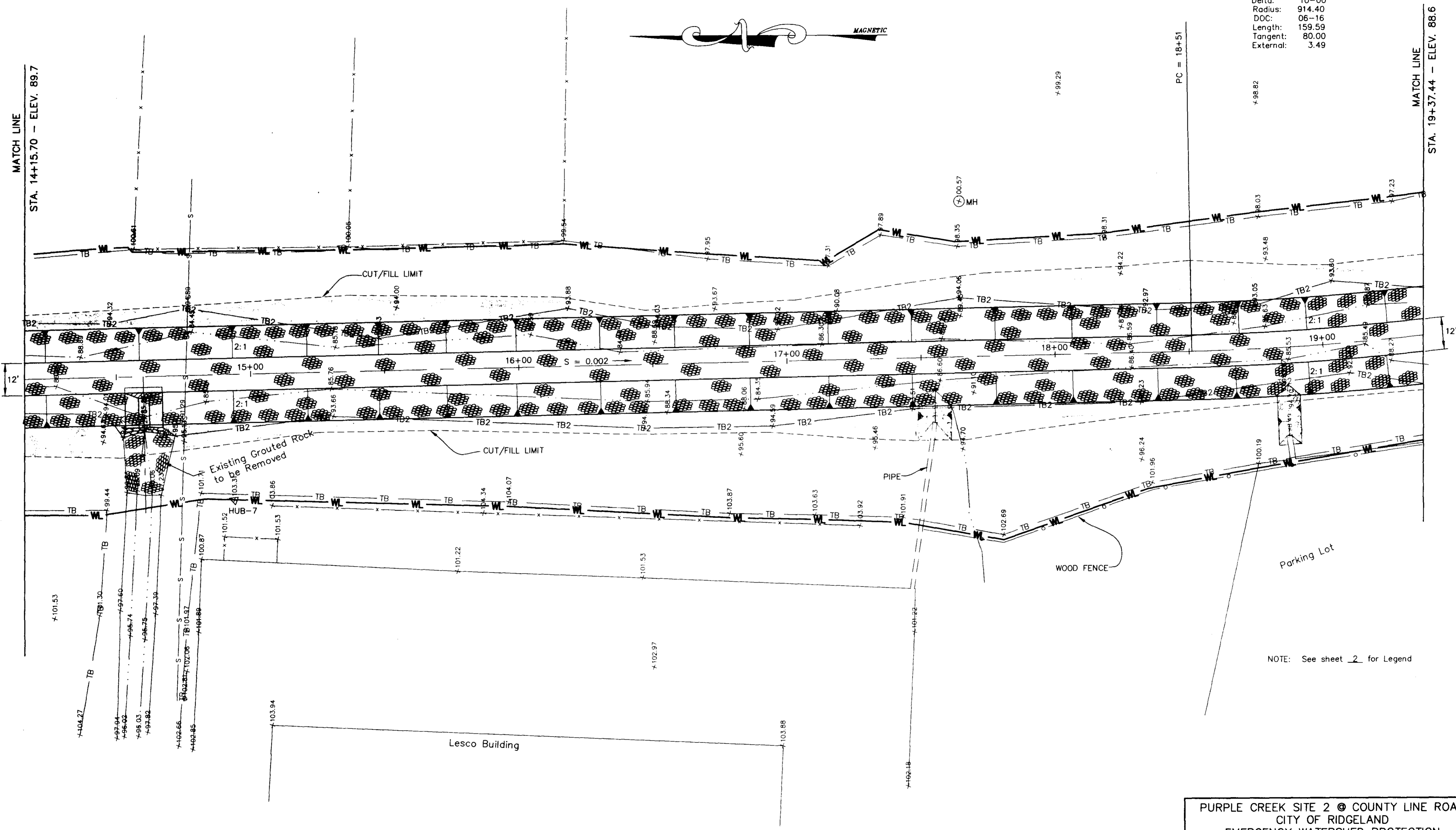
U.S. DEPARTMENT OF AGRICULTURE  
 NATURAL RESOURCES CONSERVATION SERVICE

Designed	B.S. CULBERSON	Date	4/99	Approved by	
Drawn	F.C. SAMMONS	Date	4/99	Title	
Traced				Date	
Checked	C.P. McELREATH	Date	4/99	Title	
			Sheet No.	3	
			of	11	
			Drawing No.	4-E-28-409	

D:\mscadd\Projects\Madison\EMP\PurpleCreek\PLAN2.dwg Wed Apr 21 15:53:00 1999 USDA - NRCS - MPCS MS State Design Section

Final alignment and elevations of side inlets to be determined in the field by engineer.

Curve Data  
 Delta: 10-00  
 Radius: 914.40  
 DOC: 06-16  
 Length: 159.59  
 Tangent: 80.00  
 External: 3.49



PLAN

NOTE: See sheet 2 for Legend

PURPLE CREEK SITE 2 @ COUNTY LINE ROAD  
 CITY OF RIDGELAND  
 EMERGENCY WATERSHED PROTECTION  
 MADISON COUNTY, MISSISSIPPI  
**PLAN**

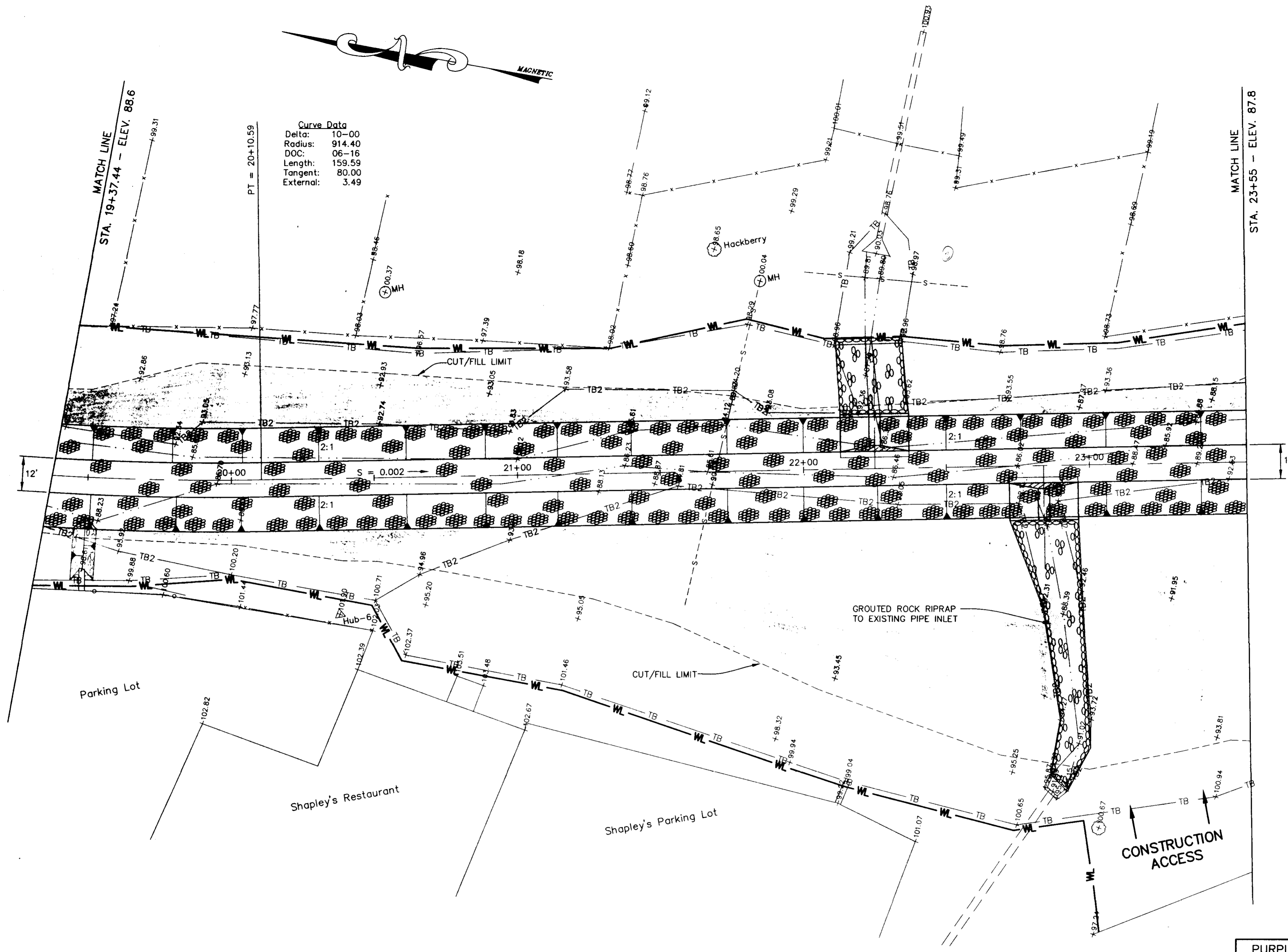
U.S. DEPARTMENT OF AGRICULTURE  
 NATURAL RESOURCES CONSERVATION SERVICE

Designed	B.S. CULBERSON	Date	4/99	Approved by	
Drawn	F.C. SAMMONS	Date	4/99	Title	
Traced					
Checked	C.P. McELREATH	Date	4/99	Sheet No.	4 of 11
				Drawing No.	4-E-28-409

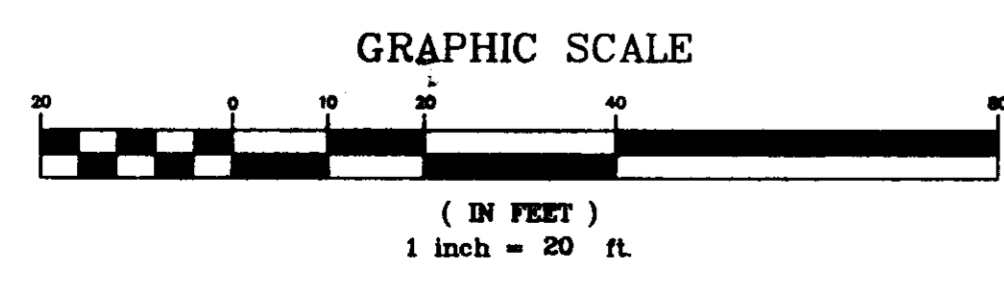
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NOTE: See sheet 2 for Legend

Final alignment and elevations of side inlets to be determined in the field by engineer.



Curve Data  
 Delta: 10-00  
 Radius: 914.40  
 DOC: 06-16  
 Length: 159.59  
 Tangent: 80.00  
 External: 3.49  
 PT = 20+10.59

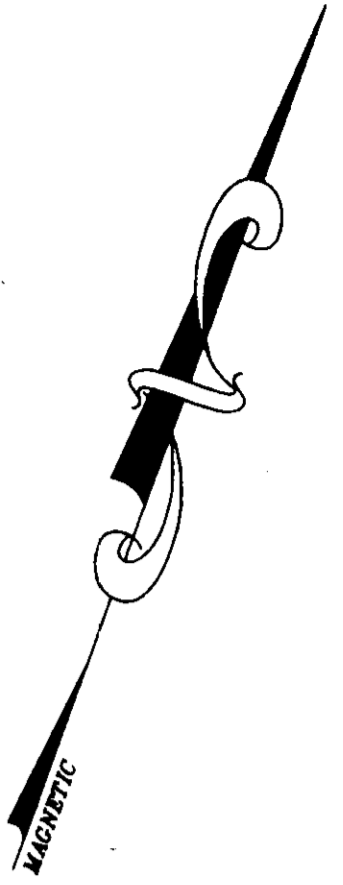


PLAN

PURPLE CREEK SITE 2 @ COUNTY LINE ROAD  
 CITY OF RIDGELAND  
 EMERGENCY WATERSHED PROTECTION  
 MADISON COUNTY, MISSISSIPPI  
**PLAN**

U.S. DEPARTMENT OF AGRICULTURE  
 NATURAL RESOURCES CONSERVATION SERVICE

Designed	B.S. CULBERSON	Date	4/99	Approved by	
Drawn	F.C. SAMMONS	Date	4/99	Title	
Traced		Date		Title	
Checked	C.P. McELREATH	Date	4/99	Sheet No.	5 of 11
				Drawing No.	4-E-28-409

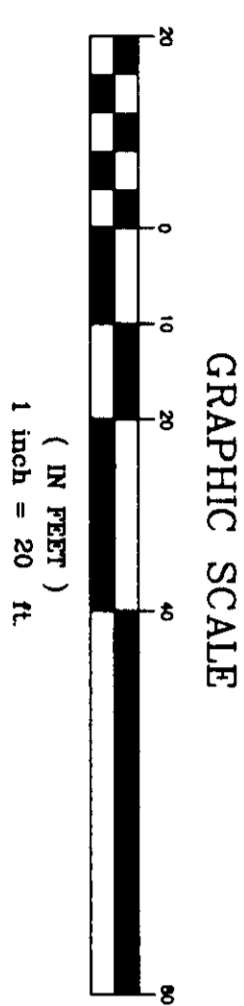
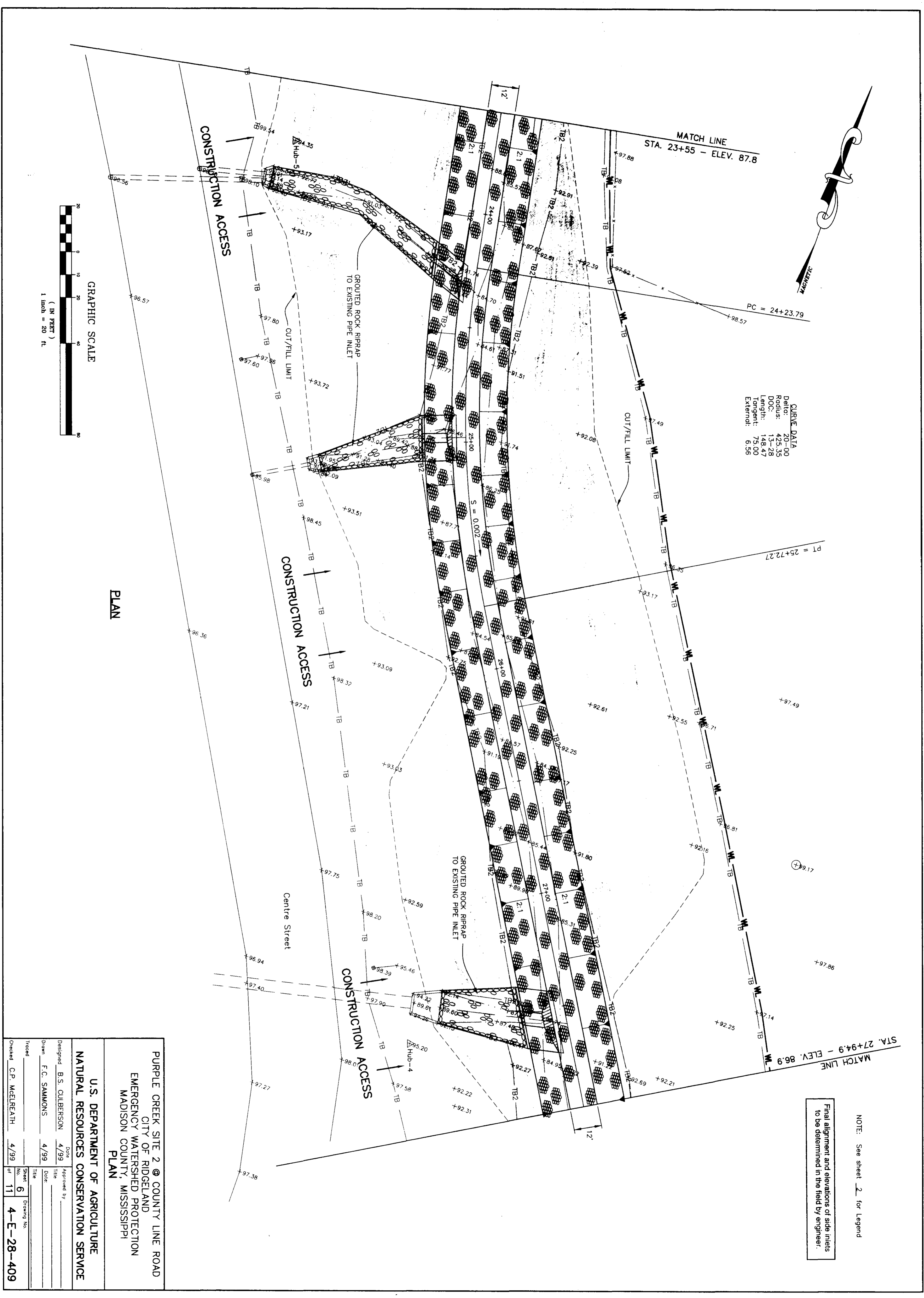


MATCH LINE  
STA. 23+55 - ELEV. 87.8

**CURVE DATA**  
 Delta: 20-00  
 Radius: 425.35  
 DCC: 13-28  
 Length: 148.47  
 Tangent: 75.00  
 Extends: 6.56

PC = 24+23.79  
 PT = 25+72.27

NOTE: See sheet 2 for Legend  
 Final alignment and elevations of side inlets to be determined in the field by engineer.



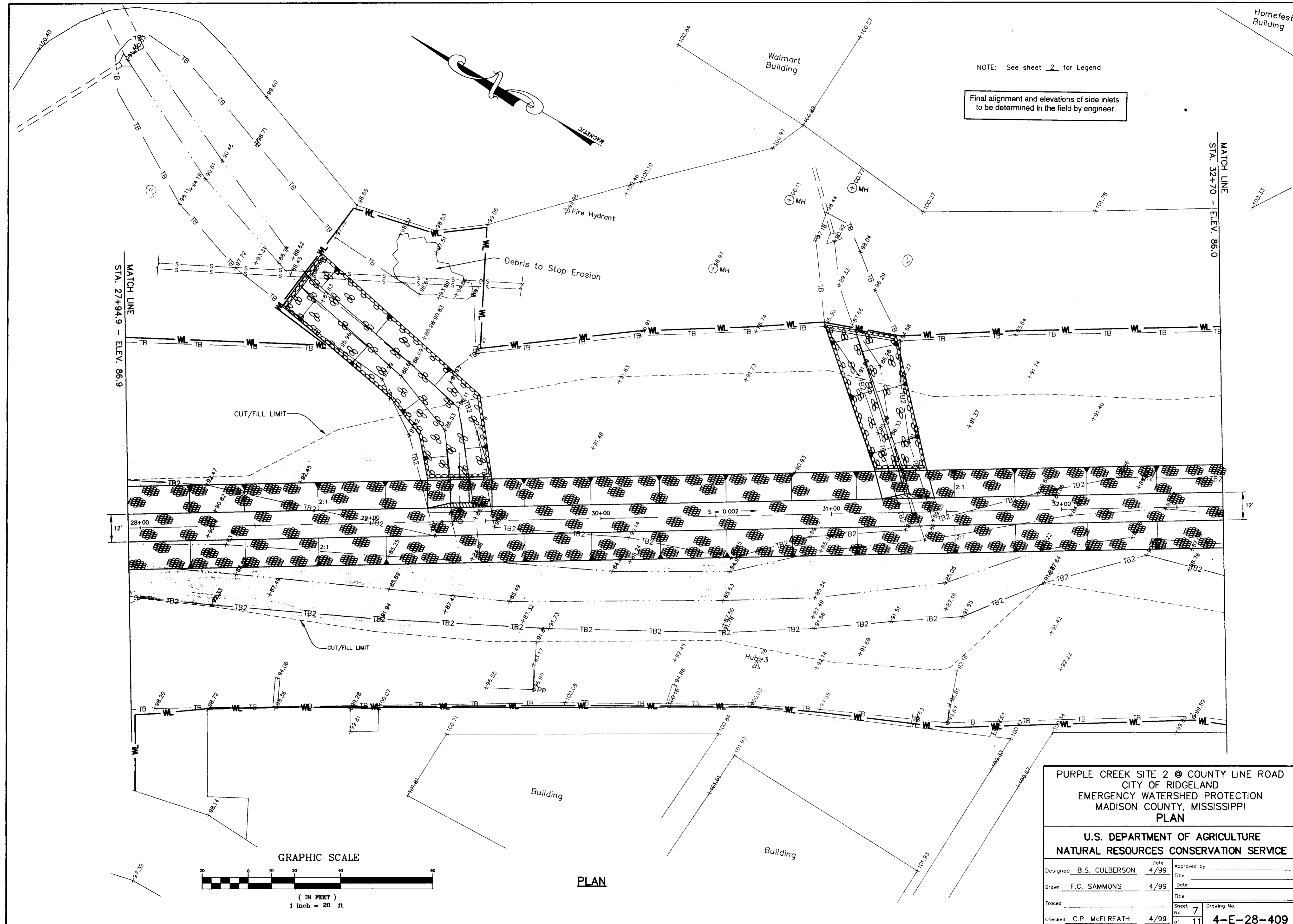
GRAPHIC SCALE

PLAN

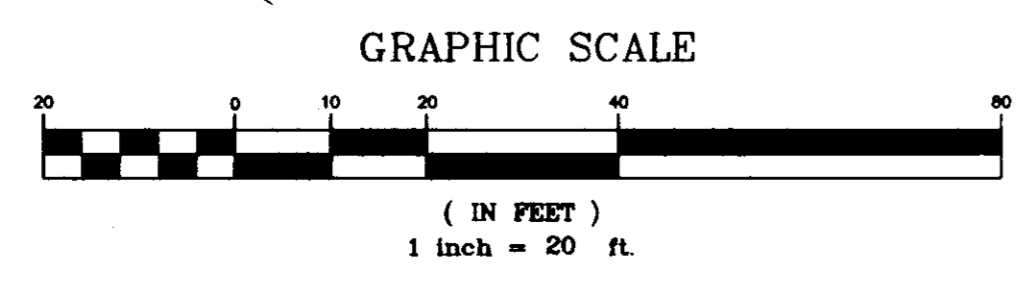
PURPLE CREEK SITE 2 @ COUNTY LINE ROAD  
 CITY OF RIDGELAND  
 EMERGENCY WATERSHED PROTECTION  
 MADISON COUNTY, MISSISSIPPI  
**PLAN**

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	
Designed by B.S. CULBERSON	Date 4/99
Drawn by F.C. SAMMONS	Date 4/99
Checked by C.P. McELREATH	Date 4/99
Traced by	Date
Sheet No. 6	Drawing No. 4-E-28-409
of 11	

D:\McLadd\Projects\Madison\EMF\Purple2\PLAN6.dwg Mod Apr 21 15:27:42 1999 USDA - NRCS MS State Design Section



NOTE: See sheet 2 for Legend  
 Final alignment and elevations of side inlets to be determined in the field by engineer.



PLAN

PURPLE CREEK SITE 2 @ COUNTY LINE ROAD CITY OF RIDGLAND EMERGENCY WATERSHED PROTECTION MADISON COUNTY, MISSISSIPPI PLAN			
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			
Designed	B.S. CULBERSON	Date	4/99
Drawn	F.C. SAMMONS	Date	4/99
Traced		Date	
Checked	C.P. McELREATH	Date	4/99
Approved by _____		Title _____	
Sheet No. 7		Drawing No. _____	
of 11		4-E-28-409	

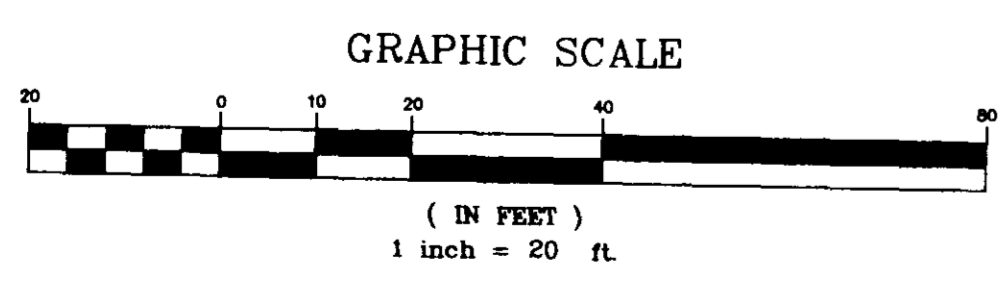
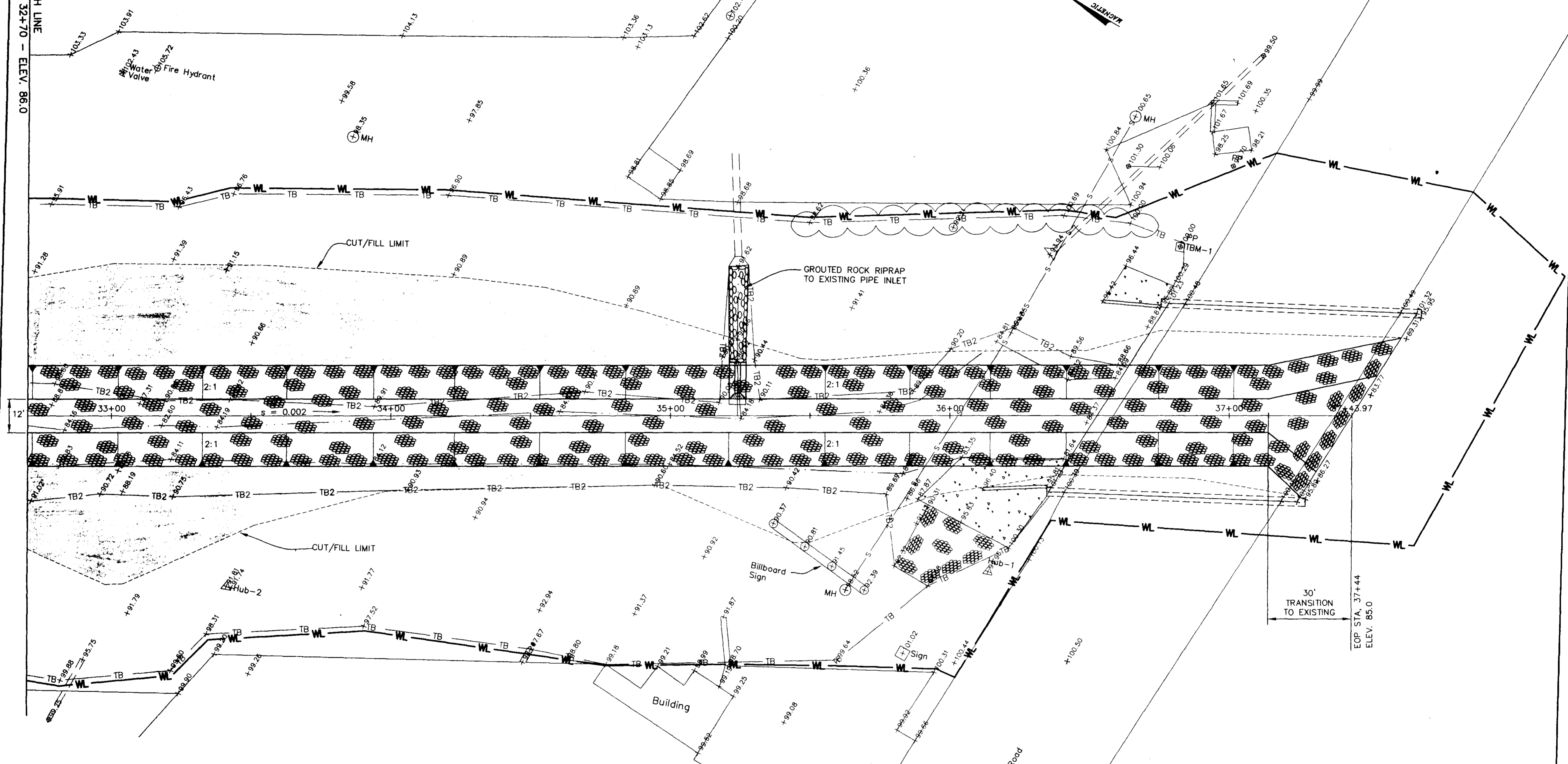
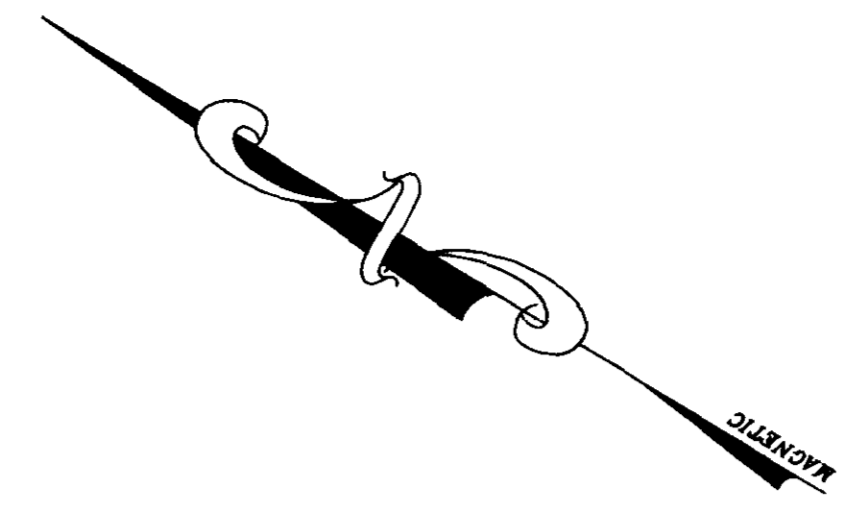
Homefest Building

Homefest Building

NOTE: See sheet 2 for Legend

Final alignment and elevations of side inlets to be determined in the field by engineer.

MATCH LINE  
STA. 32+70 - ELEV. 86.0



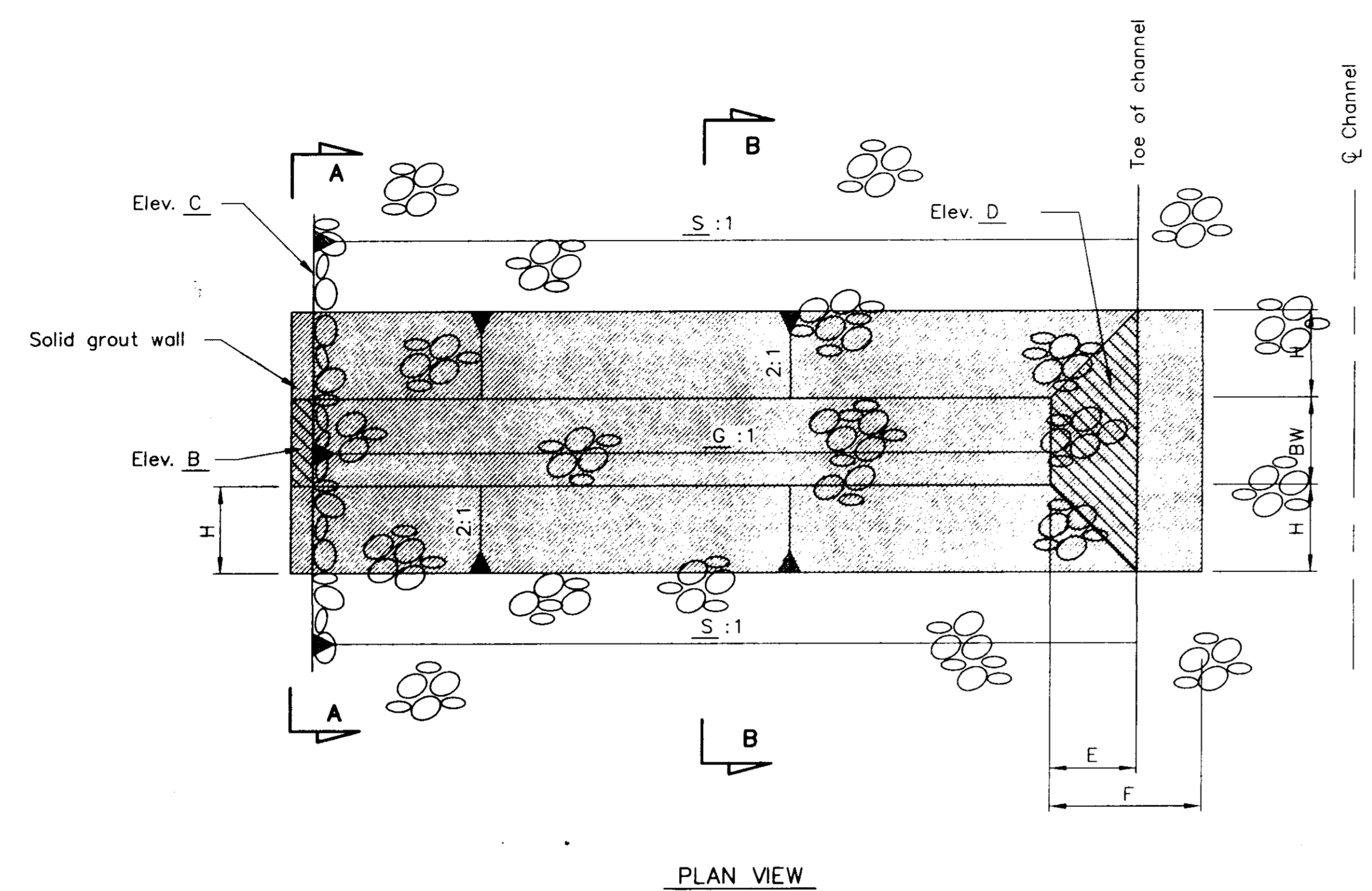
PLAN

PURPLE CREEK SITE 2 @ COUNTY LINE ROAD CITY OF RIDGELAND EMERGENCY WATERSHED PROTECTION MADISON COUNTY, MISSISSIPPI PLAN			
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			
Designed	B.S. CULBERSON	Date	4/99
Drawn	F.C. SAMMONS	Date	4/99
Traced		Date	
Checked	C.P. McELREATH	Date	4/99
Approved by		Title	
Sheet No.	8	Drawing No.	
of	11		4-E-28-409

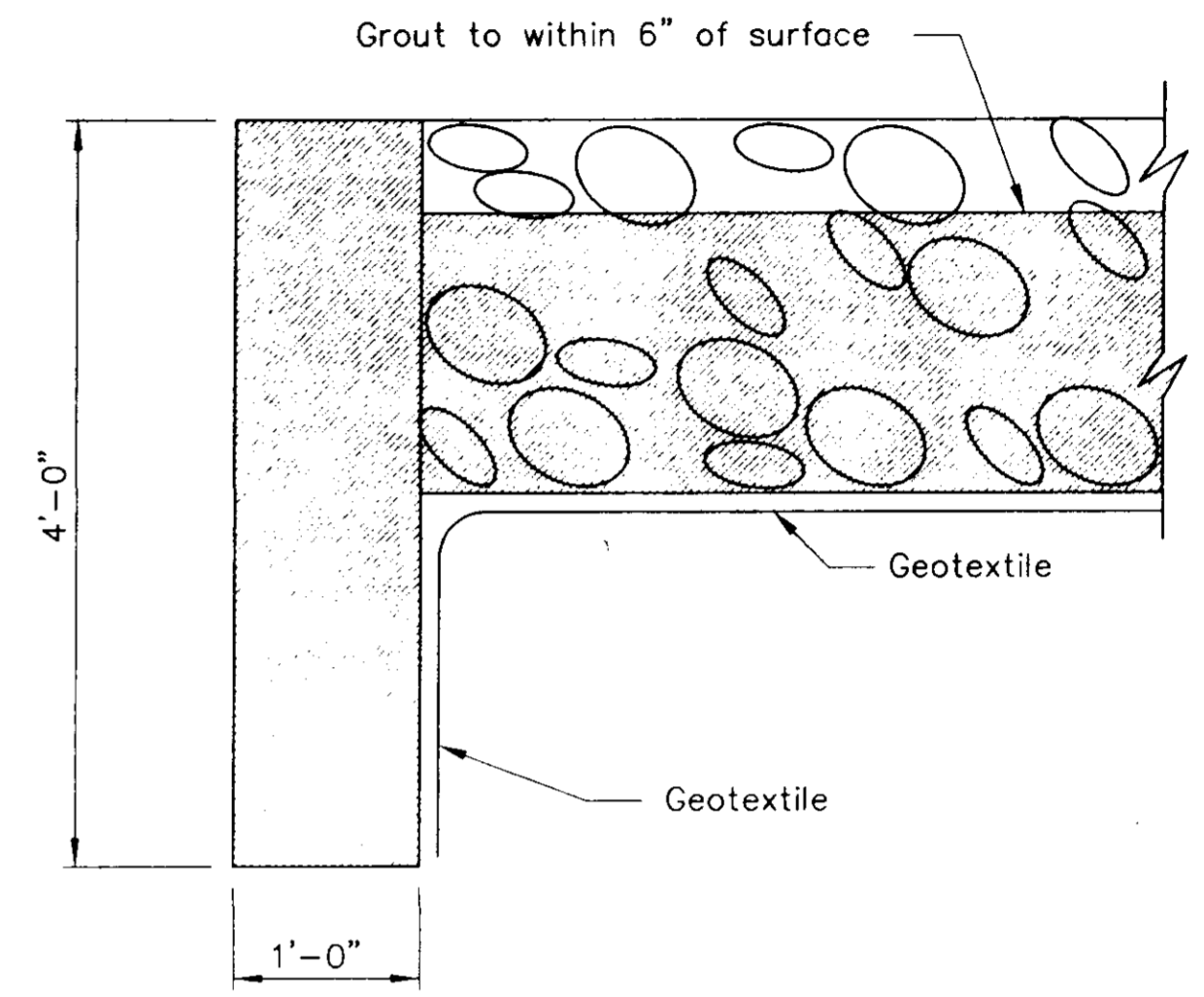
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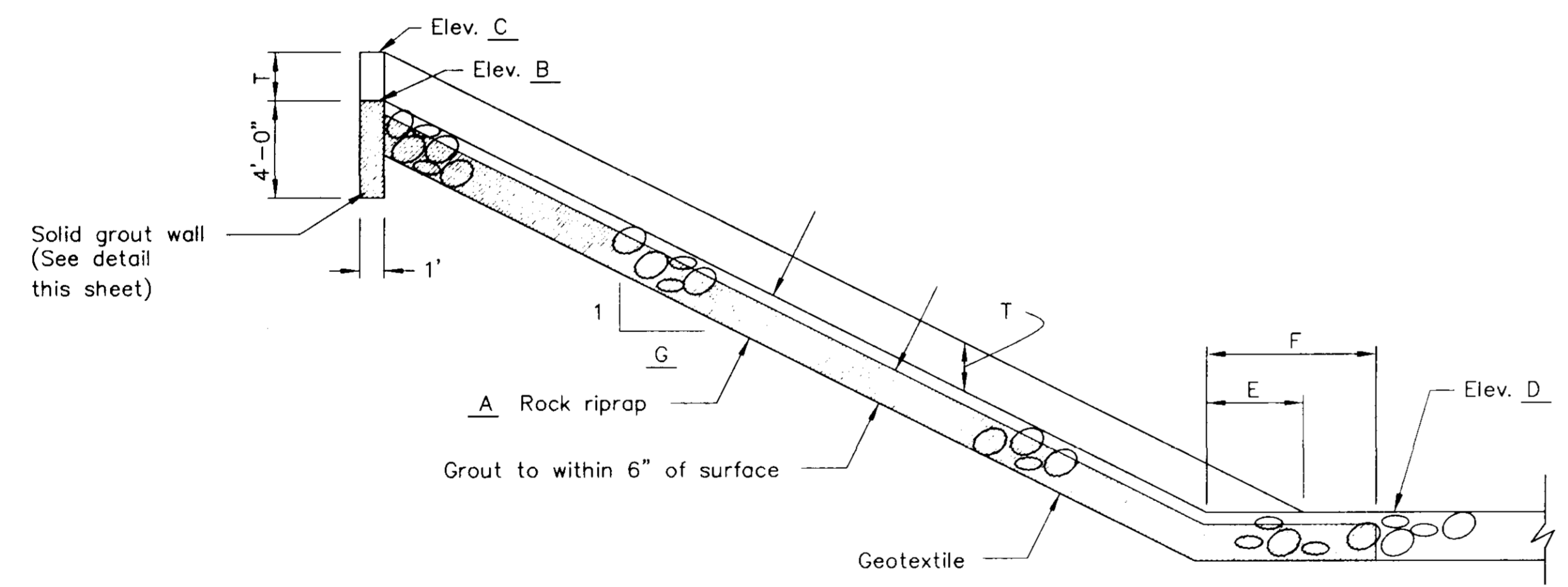
TABLE OF DIMENSIONS & ELEVATIONS												QUANTITIES	
Station	A (In.)	B (Elev.)	C (Elev.)	D (Elev.)	E (Ft.)	F (Ft.)		H (Ft.)	BW (Ft.)	S	T (Ft.)	G	Concrete Grout (Cu.Yd.)
Left 12+42	24	90.8	95.8	89.8	2	4		10	4	2	5	10	
Right 14+62	24	92.7	95.2	89.2	2	4		5	4	2	2.5	2.86	
Left 22+25	24	88.4	93.4	87.4	2	4		10	2	2	5	10	
Right 22+84	24	88.3	93.3	87.3	2	4		10	2	2	5	10	
Right 24+98	24	88.8	92.8	86.8	2	4		8	4	2	4	5	
Left 29+39	24	86.7	91.7	85.7	2	4		10	8	2	5	10	
Left 35+24	24	89.4	90.4	84.4	2	4		2	2	2	1	2	



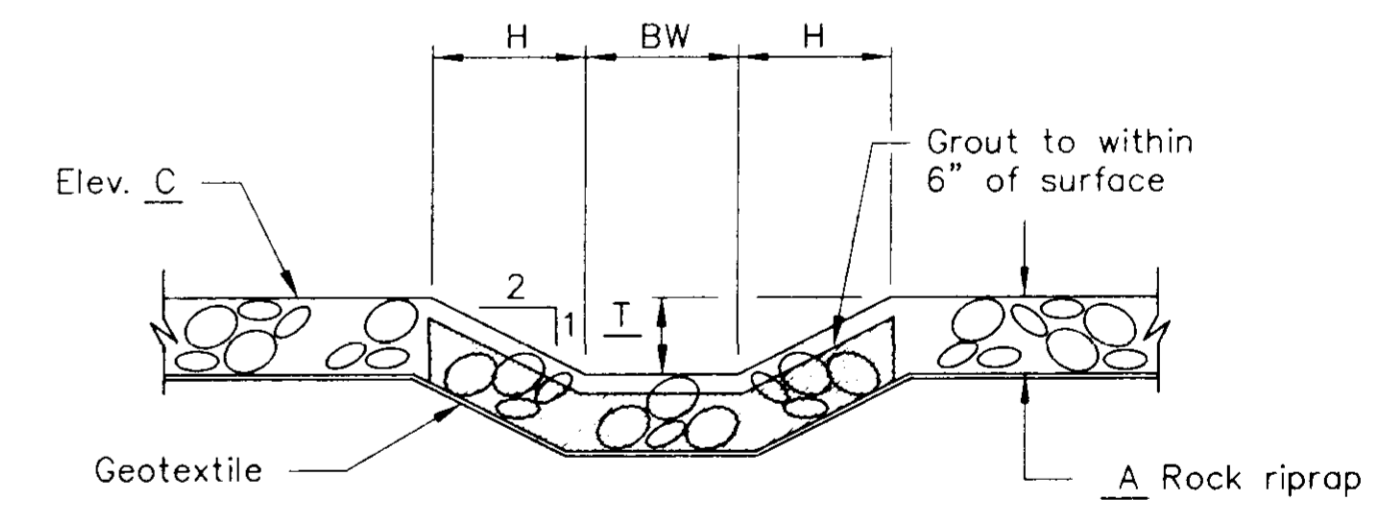
PLAN VIEW



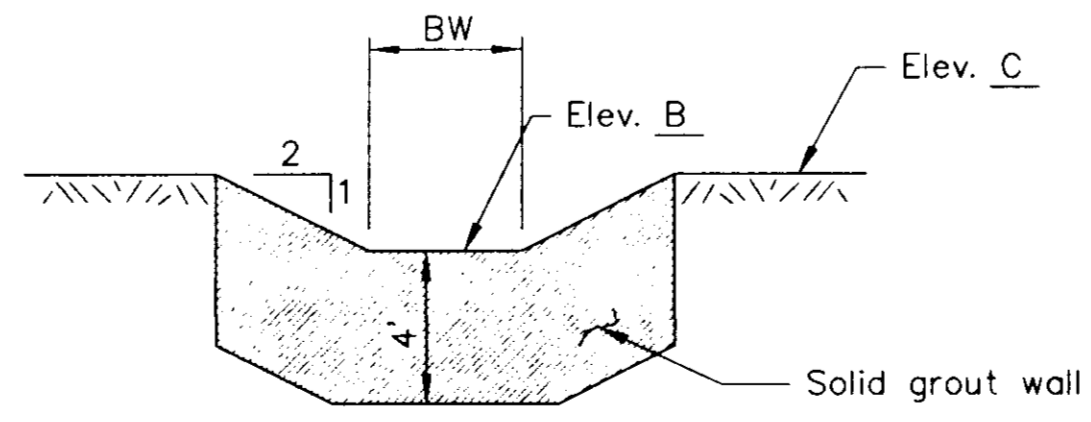
SOLID GROUT WALL DETAIL



PROFILE ALONG CENTERLINE OF CHUTE



SECTION B-B



SECTION A-A

GROUTED CHUTE DETAIL		
STANDARD DRAWING NO.: MS-E-11G		
DATE: 8/8/95	APRVD:	SHEET 1 OF 1

PURPLE CREEK SITE 2 @ COUNTY LINE ROAD  
 CITY OF RIDGELAND  
 EMERGENCY WATERSHED PROTECTION  
 MADISON COUNTY, MISSISSIPPI

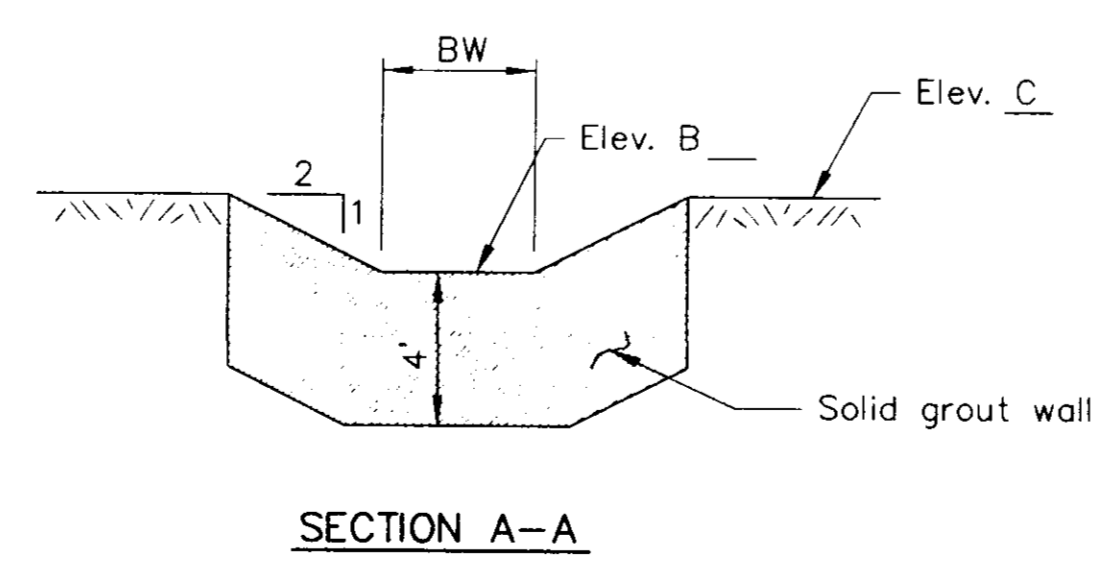
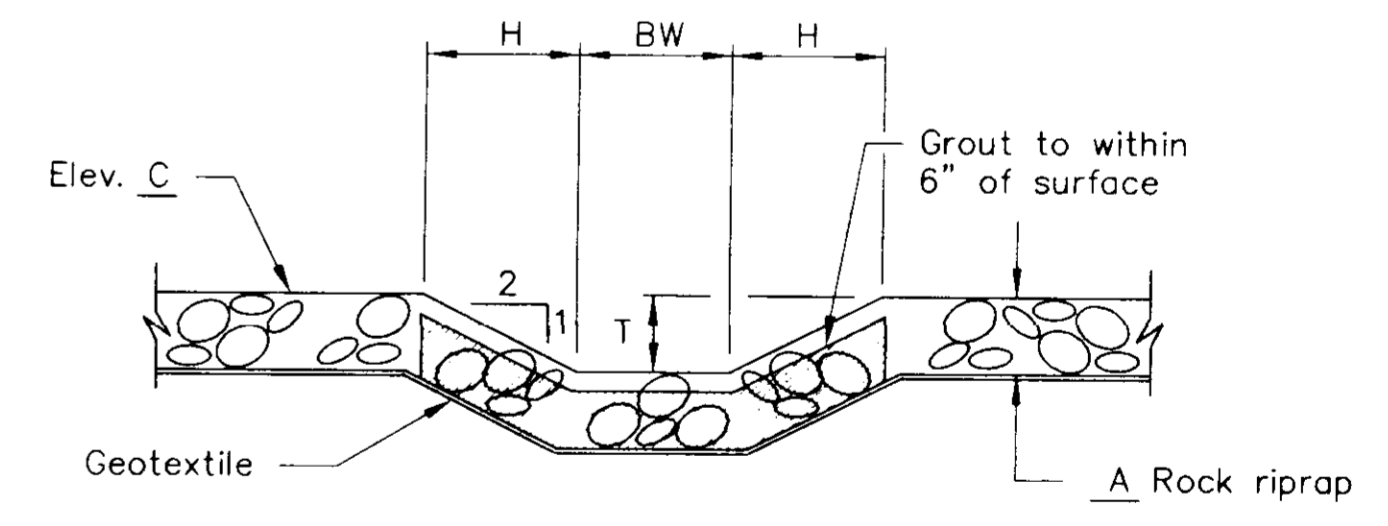
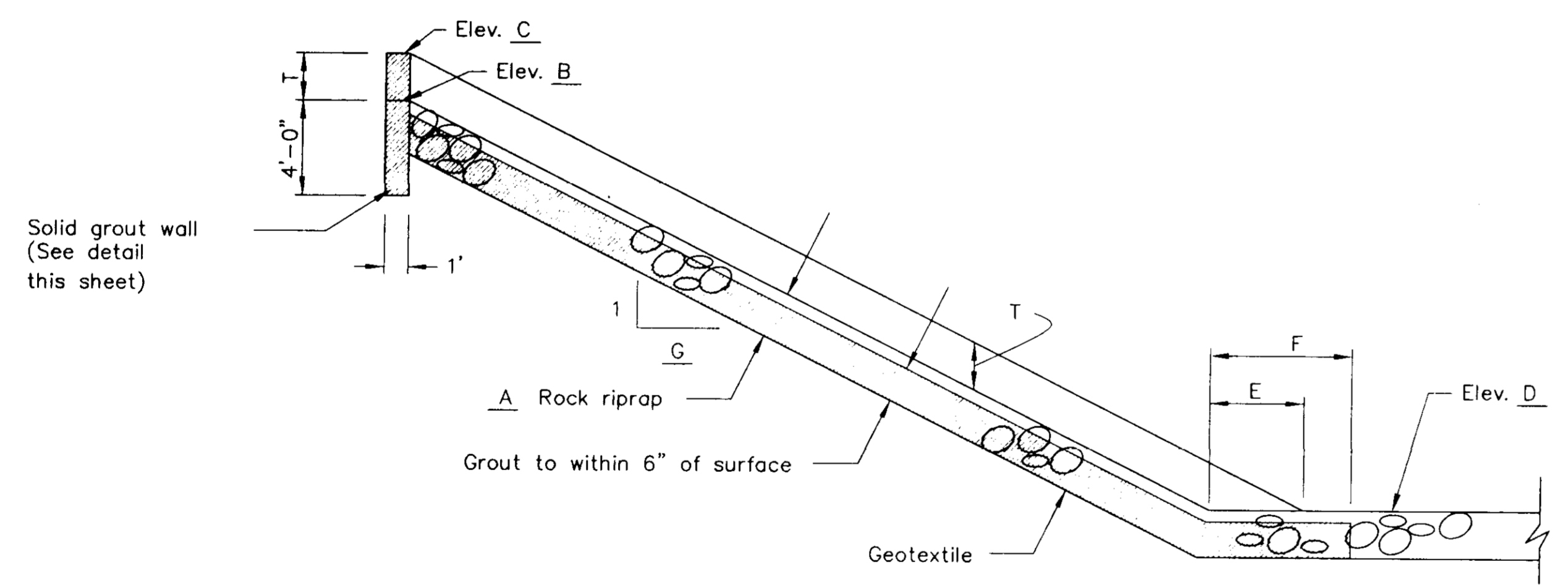
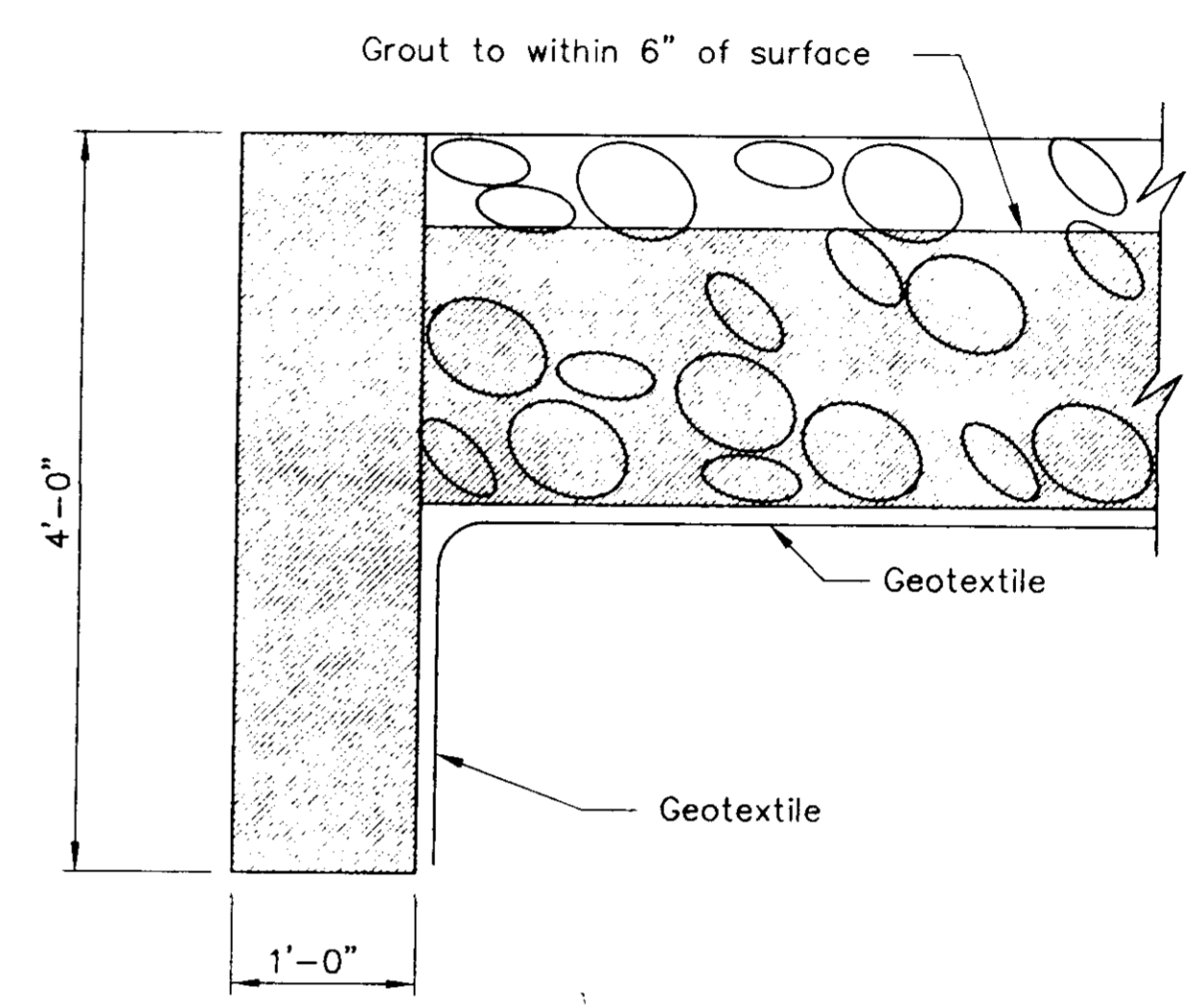
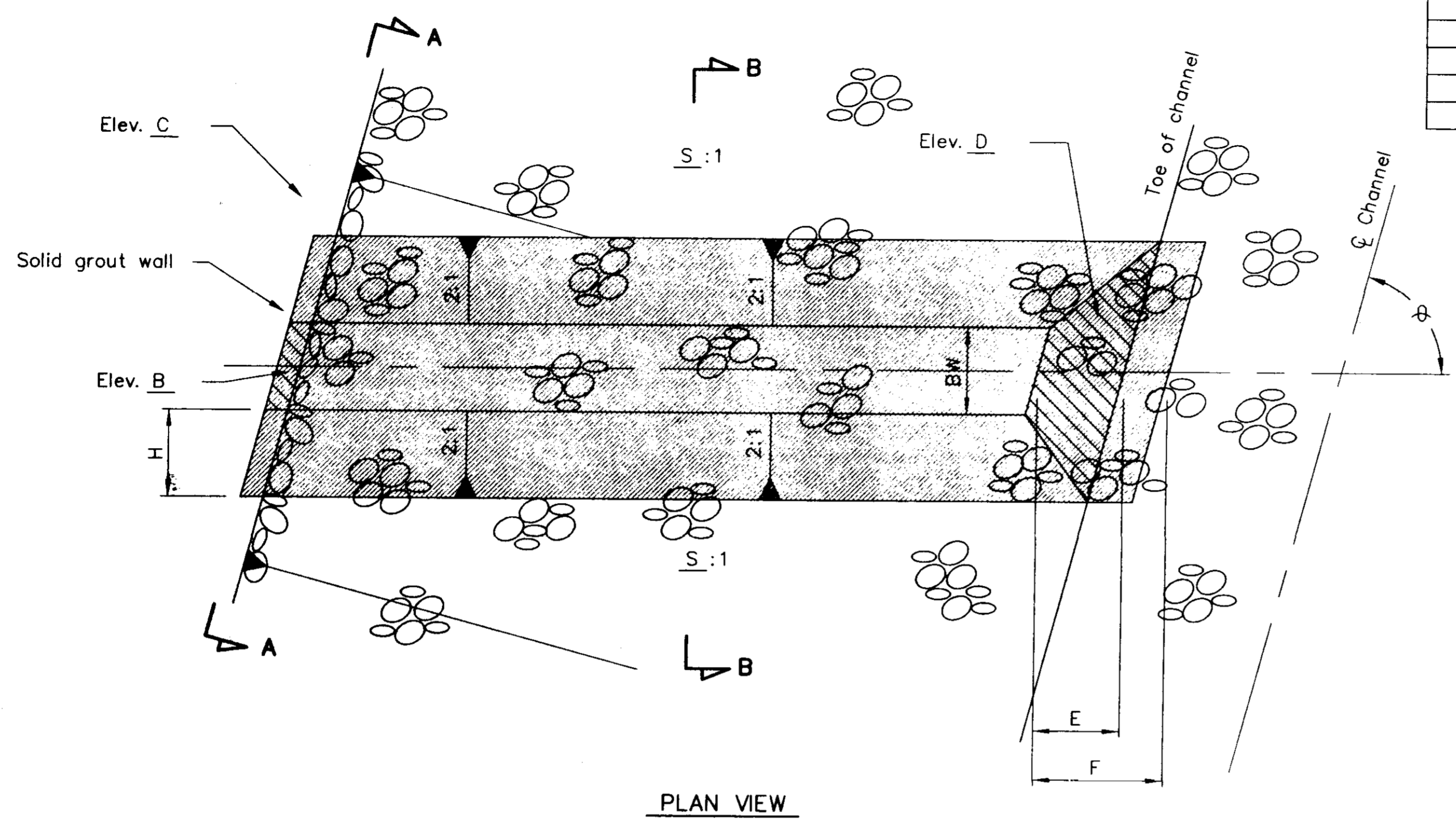
**GROUTED CHUTE DETAILS**

U.S. DEPARTMENT OF AGRICULTURE  
 NATURAL RESOURCES CONSERVATION SERVICE

Designed	B.S. CULBERSON	Date	4/99	Approved by	
Drawn	F.C. SAMMONS	Date	4/99	Title	
Traced				Title	
Checked	C.P. McELREATH	Date	4/99	Sheet No.	9 of 11
					Drawing No.
					4-E-28-409

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Station	TABLE OF DIMENSIONS & ELEVATIONS											QUANTITIES	
	A (In.)	B (Elev.)	C (Elev.)	D (Elev.)	E (Ft.)	F (Ft.)	φ	H (Ft.)	BW (Ft.)	S	T (Ft.)	G	Concrete Grout (Cu. Yd.)
Left 10+54	24	91.2	96.2	90.2	4	6	44°	10	4	2	5	8	
Right 24+34	24	89.9	92.9	86.9	2	4	60°	6	2	2	3	3.33	
Right 27+58	24	87.2	92.2	86.2	4	6	72°	10	6	2	5	8	
Left 31+35	24	86.3	91.3	85.3	2	4	76°	10	2	2	5	10	



GROUTED CHUTE DETAIL		
STANDARD DRAWING NO.:	MS-E-11G	
DATE: 8/8/95	APRVD:	SHEET 1 OF 1

PURPLE CREEK SITE 2 @ COUNTY LINE ROAD  
CITY OF RIDGELAND  
EMERGENCY WATERSHED PROTECTION  
MADISON COUNTY, MISSISSIPPI

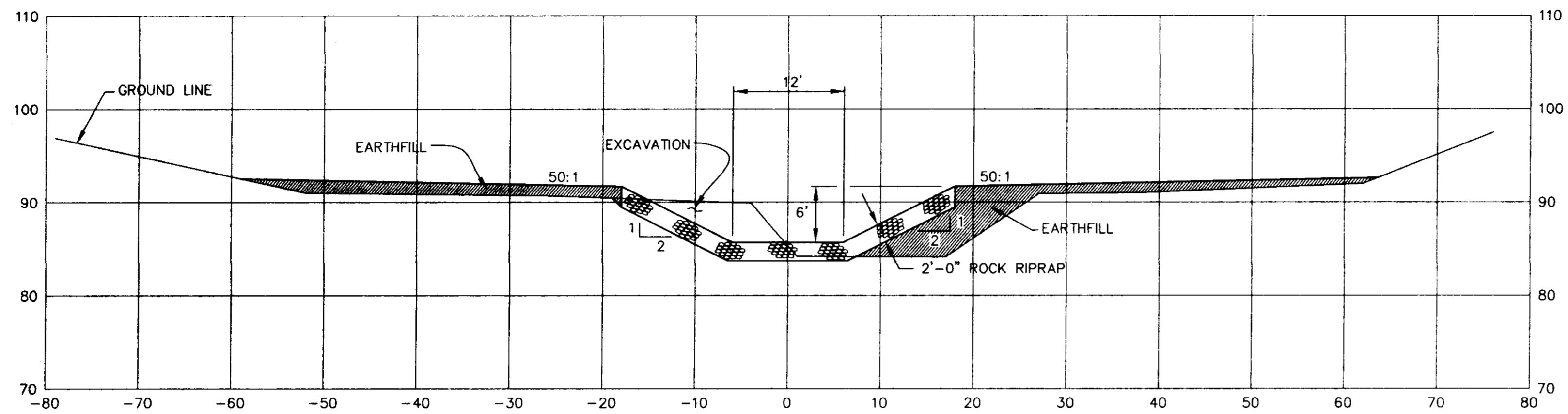
**GROUTED CHUTE DETAILS**

**U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE**

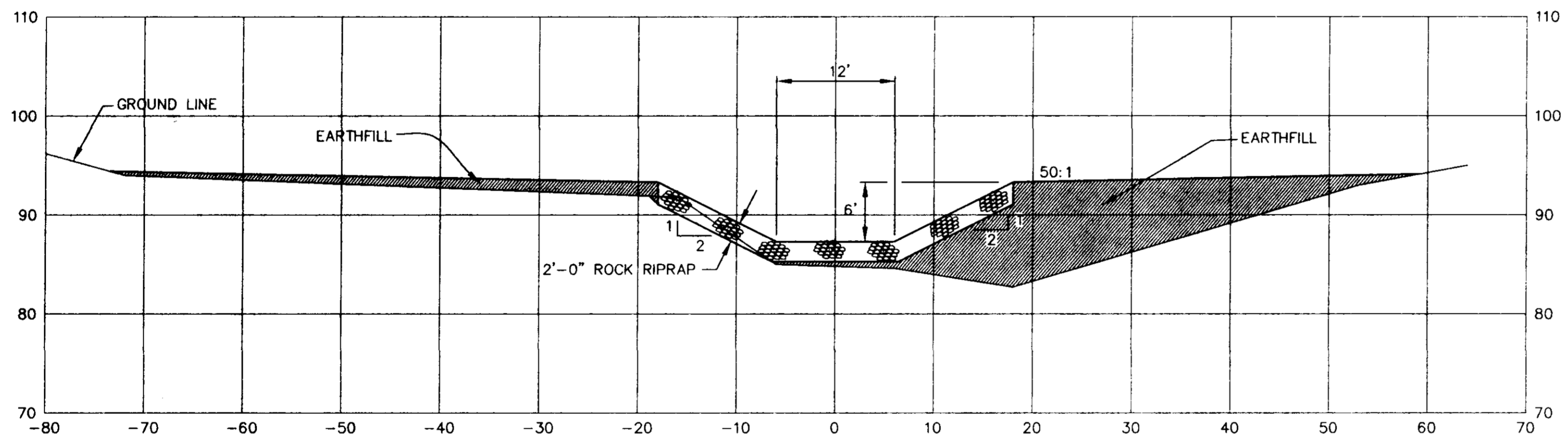
Designed	B.S. CULBERSON	Date	4/99	Approved by	
Drawn	F.C. SAMMONS	Date	4/99	Title	
Traced		Date		Title	
Checked	C.P. MCELREATH	Date	4/99	Sheet No.	10
				of 11	

Drawing No. **4-E-28-409**

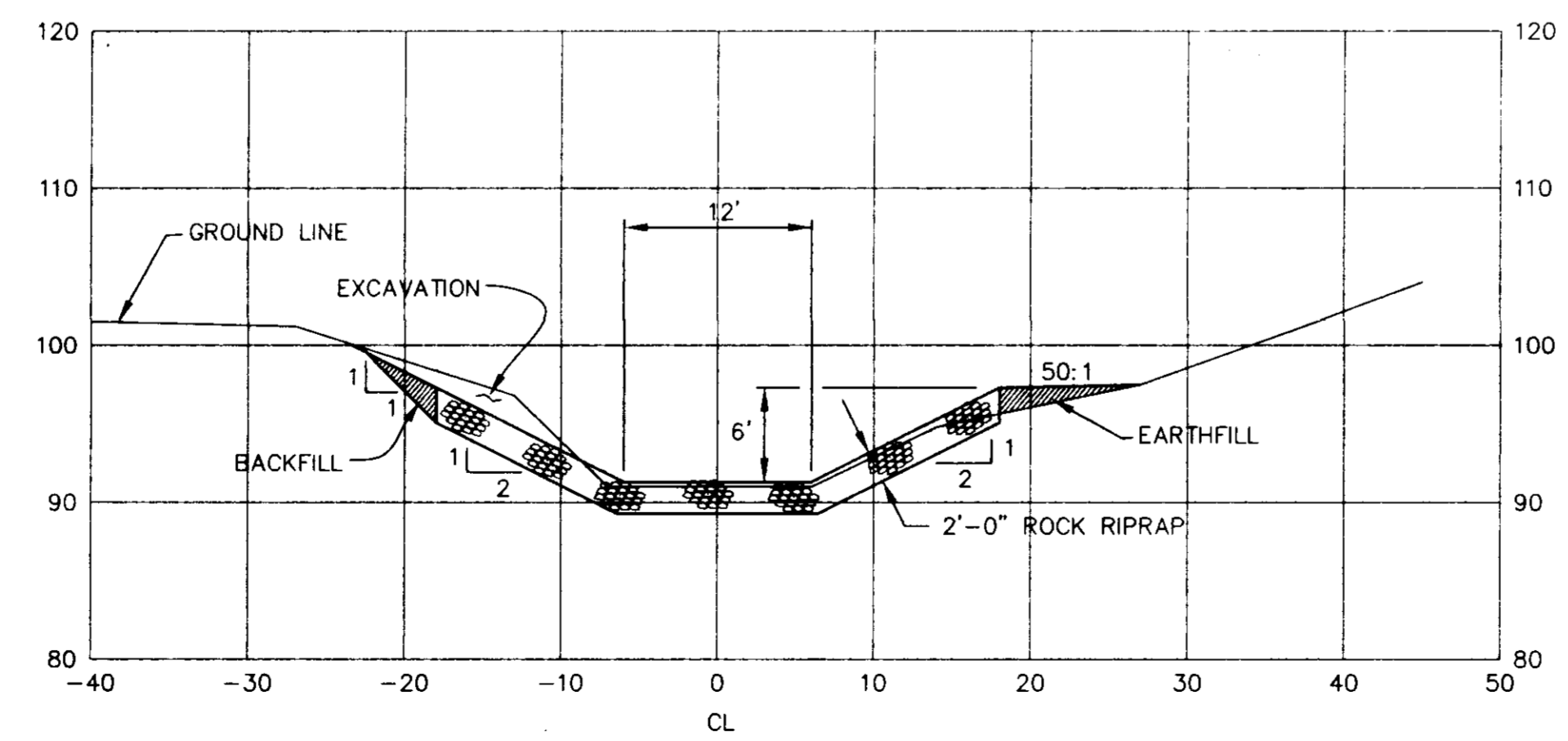
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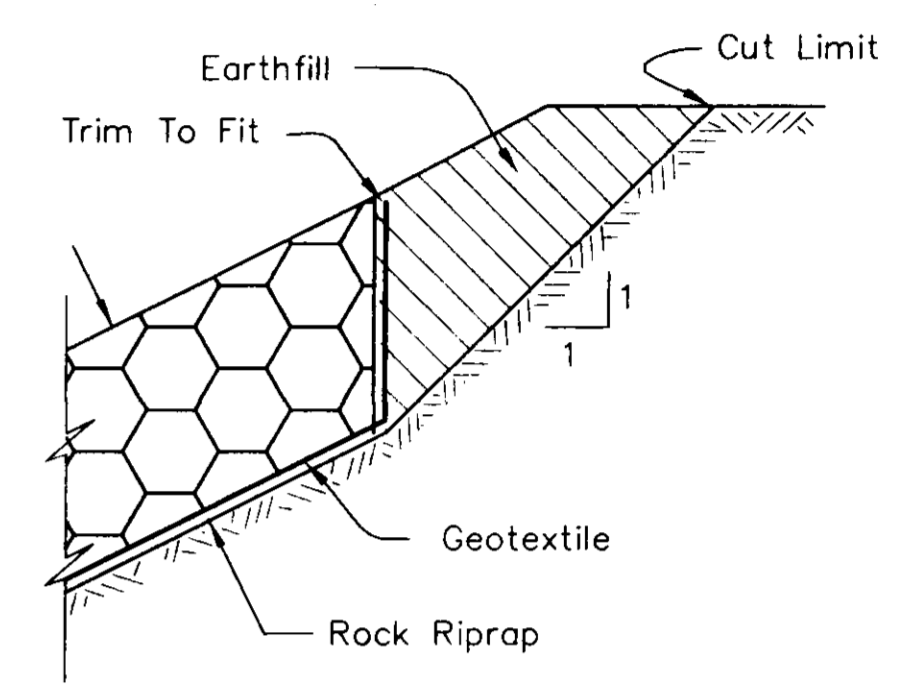
STA. 34+00



STA. 26+00



STA. 6+00



ANCHOR DETAIL FOR GEOTEXTILE  
Not To Scale  
SD-00041

ESTIMATED QUANTITIES		
ROCK RIPRAP	15,000	TONS
EXCAVATION	8,500	CU.YDS.
EARTHFILL	9,000	CU.YDS.
GEOTEXTILE	15,100	SQ.YDS.
GROUT	280	SQ.YDS.

ROCK RIPRAP GRADATION	
Stone Weight (Lbs.)	Cumulative % Lighter By Weight
200	100
80	50-85
40	15-50
10	0-15
REQUIRED	
Spalls and rock dust that will pass a 3" sieve shall consist of less than 5% by weight.	

PURPLE CREEK SITE 2 @ COUNTY LINE ROAD  
CITY OF RIDGELAND  
EMERGENCY WATERSHED PROTECTION  
MADISON COUNTY, MISSISSIPPI  
TYPICAL CROSS SECTIONS

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			
Designed	B.S. CULBERSON	Date	4/99
Drawn	F.C. SAMMONS	Date	4/99
Traced			
Checked	C.P. McELREATH	Date	4/99
Approved by		Title	
		Title	
Sheet No.	11	Drawing No.	
of	11		

4-E-28-409