

INDEX

GENERAL NOTES

DWG NO. DESCRIPTION

400	INDEX AND GENERAL NOTES
401	SANITARY SEWER TYPICAL RIP-RAP CHANNEL PIPE CROSSING
402	CONSTRUCTION EXIT-TEMPORARY
403	CONCRETE PIER AND FOOTING DETAIL
404	TEMPORARY SILT FENCE
405	DETAIL OF SOD DITCH
406	CONCRETE PIER AND FOOTING DETAIL
407	EROSION CONTROL-CHECK DAMS

FULTON COUNTY STANDARD DETAIL
INDEX AND GENERAL NOTES

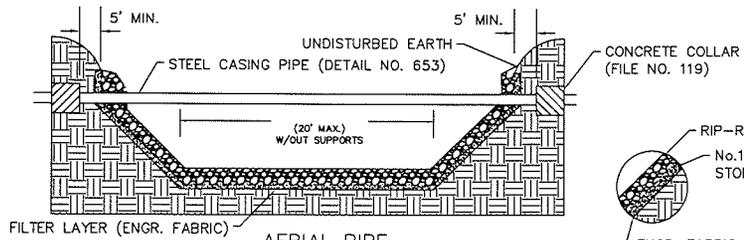
DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: CMS
APPROVED: REW
DATE: 12-02-05

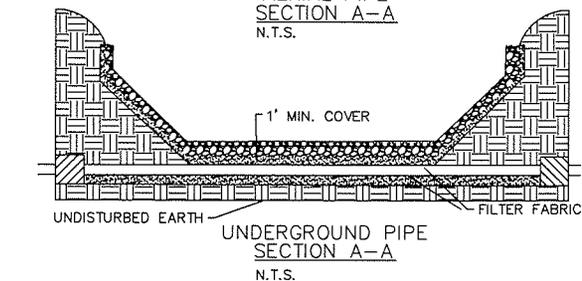
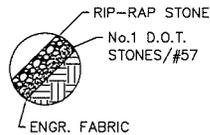


FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-730-6325

DRAWING NO.
INDEX
400



NOTE REQUIRED—
CONCRETE STRENGTH TEST MAY BE REQUIRED
FOR ALL POURED IN PLACE CONCRETE.



GRADED RIP-RAP STONE

FLOW VELOCITY (FT./SEC.)	N.S.A. *1	SIZE INCHES (SQ. OPENING)			PARTICLE WEIGHT (LBS.)*2
		MAX.	AVG.	MIN.	
2.5	R-1	1 1/2	3/4	NO.8	---
4.5	R-2	3	1 1/2	1	---
6.5	R-3	6	3	2	20
9.0	R-4	12	6	3	60
11.5	R-5	18	9	5	150
13.0	R-6	24	12	7	300
14.5	R-7	30	15	12	700
---	R-8	48	24	15	1500

*1. NATIONAL STONE ASSOCIATION.

*2. AT LEAST 50% OF ALL INDIVIDUAL STONE PARTICLES MUST WEIGH AT LEAST THE LISTED AMOUNT.

GRADED RIP-RAP STONE

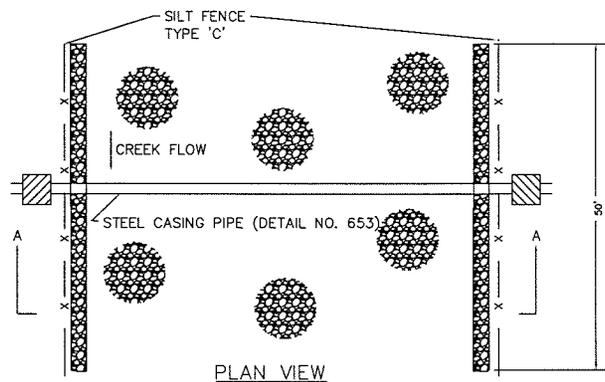
D.O.T. *NO.1	SIZE INCHES (SQ. OPENING)			COMMON USES
	MAX.	AVG.	MIN.	
TYPE 3	12	9	5	CREEK BANKS, PIPE OUTLETS, LAKES, SHORELINES & RIVERS
TYPE 1	24	12	7	

*1. GEORGIA DEPARTMENT OF TRANSPORTATION.

GRADED RIP-RAP STONE

TYPE 3: FOR GENERAL USE NORMAL DRAINAGE CONDITIONS: THE LARGEST PIECES OF MATERIAL SHALL HAVE A MAXIMUM APPROXIMATE VOLUME OF ONE CUBIC FOOT. AT LEAST 35% OF THE MASS SHALL BE COMPRISED OF PIECES WHICH WEIGH 15 POUNDS OR MORE.

TYPE 1: FOR SEVERE DRAINAGE CONDITIONS OR MODERATE WAVE ACTION: THE LARGEST PIECES OF MATERIAL SHALL HAVE A MAXIMUM OF TWO CUBIC FEET. AT LEAST 35% OF THE MASS SHALL BE COMPRISED OF PIECES WHICH WEIGH 125 POUNDS OR MORE.



- NOTES:**
1. MINIMUM STONE SIZE SHALL BE 125 LBS.
 2. STONE SIZE SHALL BE PROVIDED BY DESIGN ENGINEER OR FULTON COUNTY PUBLIC WORKS ENGINEER.
 3. ALL EROSION CONTROL DEVICES MUST BE IN PLACE PRIOR TO ANY GRADING OR CLEARING.
 4. ALL EROSION CONTROL SHALL CONFORM TO FULTON COUNTY STANDARDS.
 5. RIM OF MANHOLE SHALL BE 2' ABOVE GRADE. IF IN A FLOOD ZONE, RIM SHALL BE ABOVE 25 YEAR STORM ELEVATION.
 6. SEE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA FOR MORE INFORMATION.

FULTON COUNTY STANDARD DETAIL 401
SANITARY SEWER TYPICAL RIP-RAP
CHANNEL PIPE CROSSING

DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-05

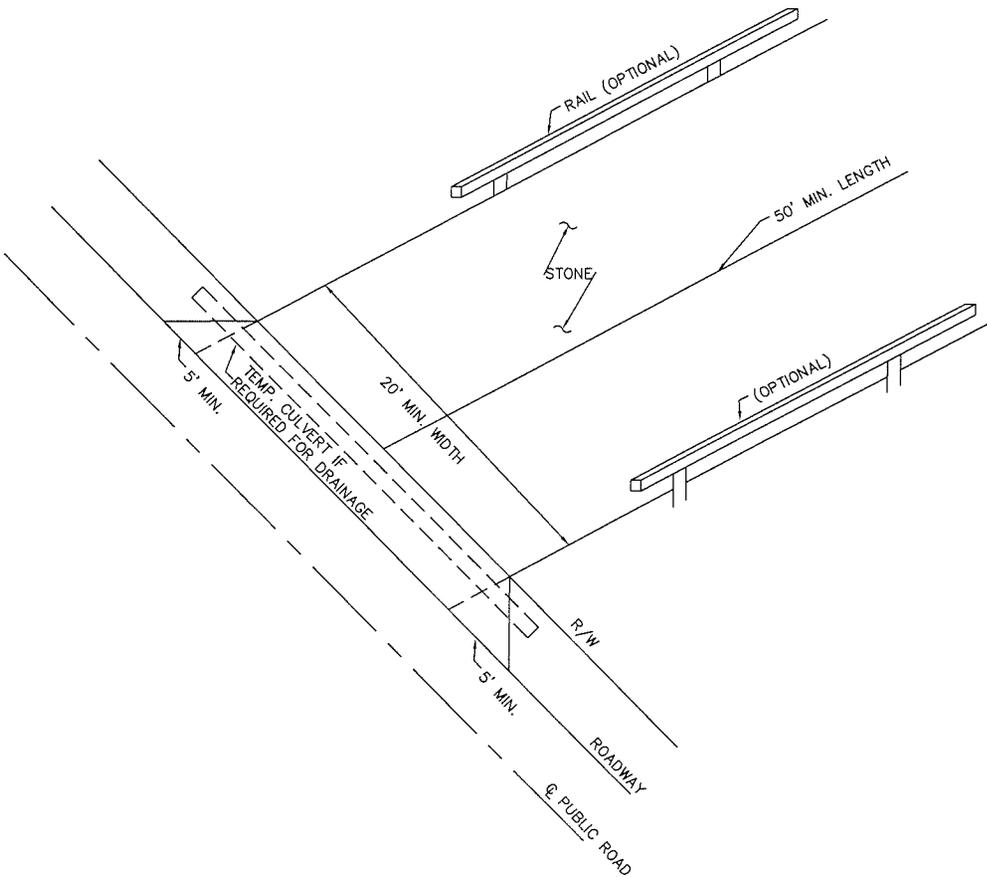


FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0498

DRAWING NO.
401

NOTES:

1. STONE SIZE ASTM. D448 SIZE NO. 1, (1.5" - 3.5" DIA.)
2. PAD THICKNESS 6" MIN.
3. MIN. SIZE: 20'x50'.
4. IF NECESSARY, INCLUDE WASHING
5. MAY REQUIRE PERIODIC TOP DRESSING WITH 2" STONE.
6. MAINTAIN IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADS.
7. PLACE STONE OVER FABRIC MATERIAL.
8. USE RAIL WHEN THERE IS A POSSIBILITY OF HAZZARD DUE TO SLOPE.
9. SEE ADDITIONAL EROSION CONTROL MEASURES IN THE EROSION CONTROL AND SEDIMENTATION ORDINANCE MANUAL AND THE GA. STATE EROSION CONTROL MANUAL.



FULTON COUNTY STANDARD DETAIL 402
CONSTRUCTION EXIT-TEMPORARY

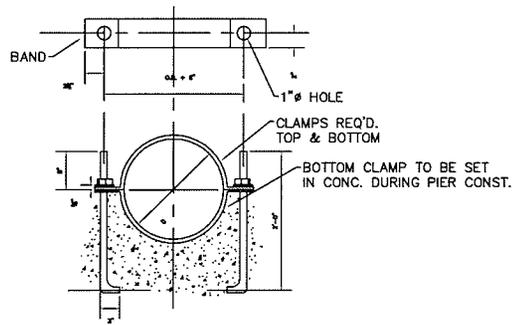
DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-05

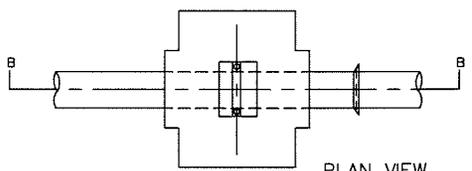
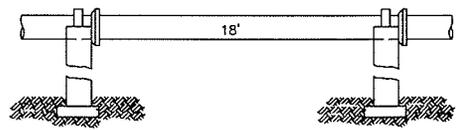


FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0498

DRAWING NO.
402

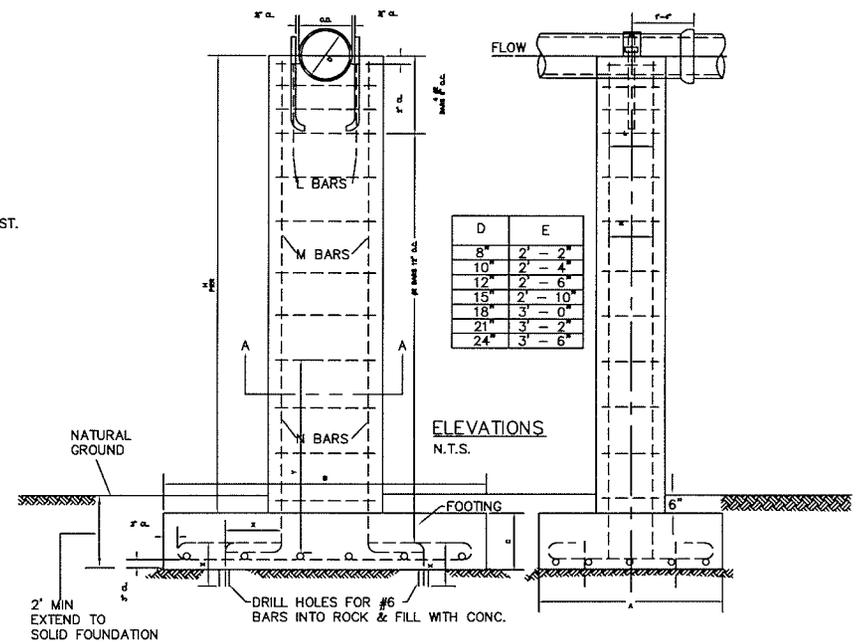


CLAMP DETAIL
N.T.S.



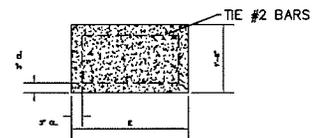
PLAN VIEW
N.T.S.

1. PIER LOCATION DETERMINED BY ENGR.
2. CONCRETE TO BE 3,000 P.S.I.
3. UNDER UNSTABLE CONDITIONS, ENG. PLANS FOR PIER DESIGN MUST BE SUBMITTED TO & APPROVED BY THE PUBLIC WORKS DEPT.
4. PIERS AT EVERY BELL.
5. ENGR. TO SUBMIT DESIGN FOR
6. STEEL REINFORCEMENT TO BE A.S.T.M DESIGNATION A-15 - 54T UNLESS OTHERWISE SPECIFIED, BENDS IN BARS TO CONFORM TO A.C.I. STANDARD.



D	E
8"	2' - 2"
10"	2' - 4"
12"	2' - 6"
15"	2' - 10"
18"	3' - 0"
21"	3' - 2"
24"	3' - 6"

ELEVATIONS
N.T.S.



SECTION A-A
N.T.S.

FULTON COUNTY STANDARD DETAIL 403
CONCRETE PIER AND FOOTING DETAIL

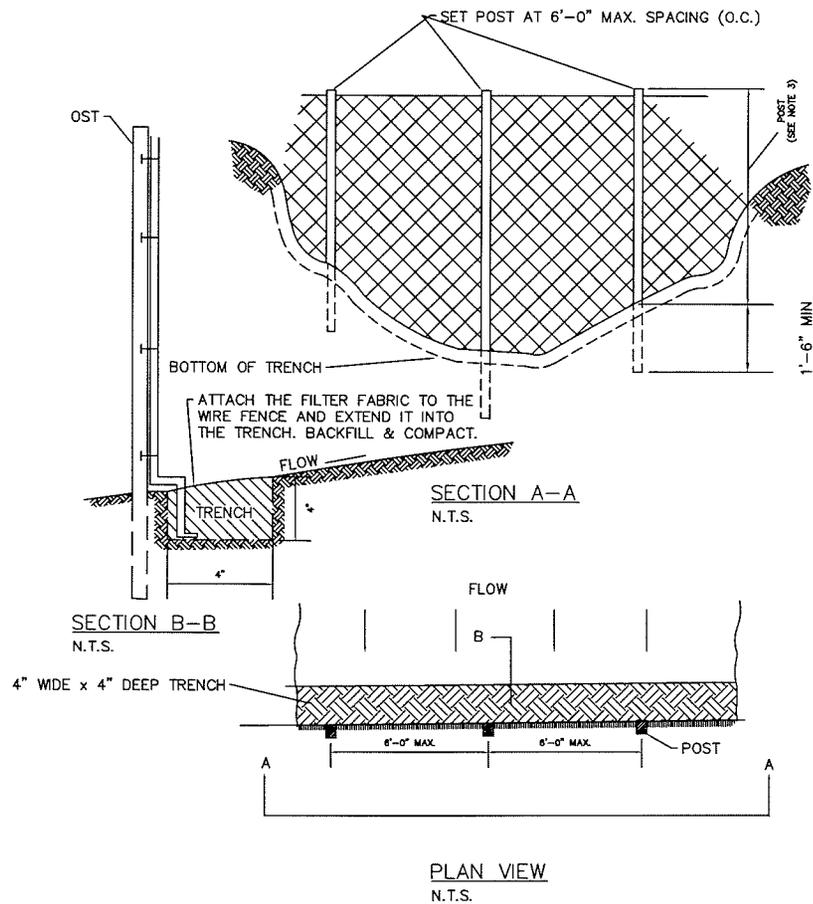
DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-05



FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0498

DRAWING NO.
403



TEMPORARY SILT FENCE

1. TYPE A. DESCRIPTION: WATER PERMEABLE FILTER FENCE MATERIAL COMPOSED OF STRONG ROT PROOF SYNTHETIC FIBERS FORMED INTO A MATRIX OF WOVEN OR NONWOVEN FABRIC. EITHER TYPE OF FABRIC SHALL BE FREE OF ANY TREATMENT OR COATING WHICH MIGHT SIGNIFICANTLY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION. THE FABRIC SHALL CONTAIN STABILIZER AND/OR INHIBITORS TO MAKE THE FILAMENTS RESISTANT TO DETERIORATION RESULTING FROM EXPOSURE TO SUNLIGHT OR HEAT. THE FABRIC SHALL BE A PERVIOUS SHEET OF SYNTHETIC FIBERS ORIENTED INTO A NETWORK SO THAT THE FIBERS RETAIN THEIR RELATIVE POSITION WITH RESPECT TO EACH OTHER. EDGES OF THE FABRIC SHALL BE FINISHED TO PREVENT THE OUTER YARN FROM PULLING AWAY FROM THE MATERIAL. THE FABRIC SHALL BE FREE OF DEFECTS OR FLAWS WHICH SIGNIFICANTLY AFFECT THE PHYSICAL AND/OR FILTERING PROPERTIES. THE FABRIC SHALL HAVE A MINIMUM WIDTH OF THIRTY SIX (36) INCHES. SHEETS OF FABRIC MAY BE PERMITTED DUE TO THE PRESENCE OF THE SEAM. THE FABRIC MAY BE MANUFACTURED WITH POCKETS FOR POSTS, HEMS WITH CORD OR WITH POSTS PREATTACHED USING STAPLES OR BUTTON HEAD NAILS.
2. TYPE B. DESCRIPTION: TYPE B FILTER FABRIC SHALL MEET THE SAME STANDARDS AS TYPE A. FILTER FABRIC SHALL BE A MINIMUM OF 22" WIDE.
3. MATERIALS
 - A. POSTS
 1. HARDWOOD: 1.5"x1.5"x48" MINIMUM FOR TYPE A FABRIC. FOR TYPE B FABRIC, 1"x1"x36" MINIMUM.
 2. SOFTWOOD: 3" DIAMETER MINIMUM OR NOM. 2"x4" AND STRAIGHT ENOUGH TO PROVIDE A FENCE WITHOUT NOTICABLE MISALIGNMENT FOR TYPE A FABRIC. FOR TYPE B FABRIC, AT LEAST 2" IN DIAMETER OR NOM. 2"x2".
 3. STEEL: POSTS SHALL BE ROUND, U.T. OR C SHAPED WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER FOOT AND HAVE PROJECTIONS FOR FASTENING THE WIRE TO THE FENCE FOR TYPE A FABRIC. FOR TYPE B FABRIC, POSTS SHALL HAVE A MINIMUM WEIGHT OF 0.75 POUNDS PER FOOT AND ROUND POSTS SHALL BE A MINIMUM OF 1" IN DIAMETER.
 - B. SPACING: SIX (6) FOOT CENTERS MAXIMUM.
 - C. FABRIC: GEORGIA DOT QUALIFIED PRODUCTS LIST #36 ONLY.
 - D. FASTENERS: WIRE STAPLES WILL BE NO. 17 GAGE MINIMUM AND SHALL HAVE A CROWN AT LEAST 3/4 INCH WIDE AND LEGS AT LEAST 1/2 INCH LONG. STAPLES SHALL BE EVENLY SPACED WITH AT LEAST 5 PER POST. NAILS SHALL BE 14 GAGE MINIMUM ONE INCH LONG WITH 3/4 INCH BUTTON HEADS. NAILS SHALL BE EVENLY SPACED WITH AT LEAST 4 PER POST.
4. INSTALLATION: TEMPORARY SILT FENCE INSTALLATION SHALL CONFORM TO THE STANDARDS SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
5. MAINTENANCE: THE DEVELOPER/CONTRACTOR SHALL MAINTAIN THE SILT FENCE UNTIL THE LDA IS COMPLETE AND FINAL STABILIZATION IS ACHIEVED. FILTER FABRIC SHALL BE REMOVED AND REPLACED WHENEVER IT HAS DETERIORATED OR BEEN OTHERWISE DAMAGED TO SUCH EXTENT THAT IT REDUCES THE EFFECTIVENESS OF THE SILT FENCE. INSTALLATION OF FABRIC FENCE MATERIAL IN AREAS OF CONCENTRATED FLOW IS NOT RECOMMENDED UNLESS PROPER PROVISIONS ARE MADE TO SUPPLEMENT OR OTHERWISE STRENGTHEN THE FENCE TO WITHSTAND INCREASED DRAINAGE WATER VELOCITIES.

NOTE:

VENDOR MUST SUPPLY LETTER OF WARRENTY FOR AFOREMENTIONED SPECIFICATIONS. IN ADDITION, THIS LETTER SHOULD STATE THAT THE FABRIC IS ON THE GEORGIA QPL #36.

FULTON COUNTY STANDARD DETAIL 404
TEMPORARY SILT FENCE

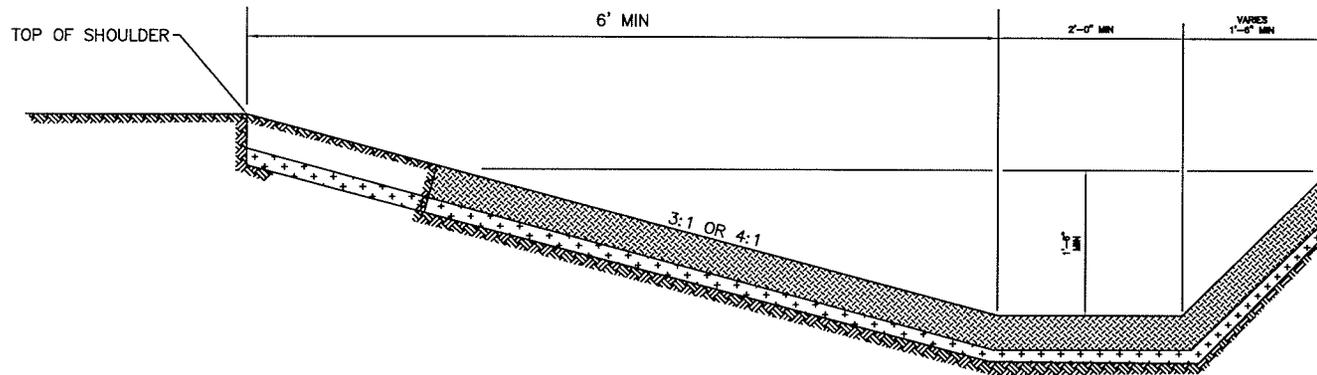
DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-05

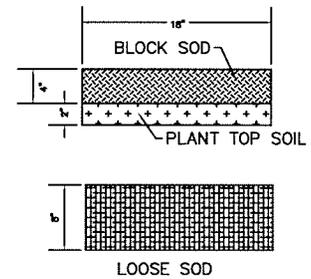
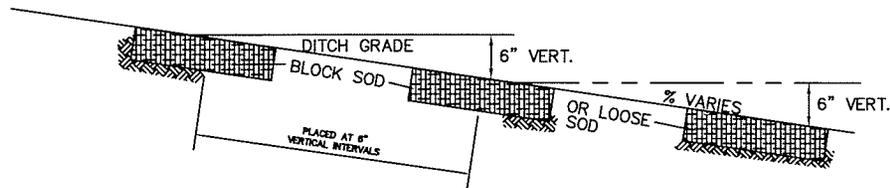


FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0498

DRAWING NO.
404



NOTE:
RIP RAP CHECK DAMS TO BE PLACED
AS NECESSARY DEPENDING ON GRADE
OF DITCH.



NOTE:
SOD DITCH CHECKS MAY BE OF LOOSE SOD.
SOD DITCH CHECKS TO BE PLACED AT 6\"/>

FULTON COUNTY STANDARD DETAIL 405
DETAIL OF SOD DITCH

DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-05



FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0498

DRAWING NO.
405

STANDARD REINFORCED PIER																
FOOTING DIMENSIONS AND REINFORCEMENT								PIER REINFORCEMENT								
PIER	FOOTING			NO. OF #5 BARS EA. DIRECTION				BARS M			BARS N					
	H	A	B	C	8" & 10"D.	12" & 14"D.	16" & 18"D.	20" & 24"D.	NO.	SIZE	LENGTH	NO.	SIZE	LENGTH	X	Y
0'-4'	3'-0"	6'-0"	1'-3"	5	5	5	5		NONE			6	#6	H + 2' -0"	1'-9"	H + 10"
5'	3'-2"	6'-2"	1'-3"	5	5	5	5		NONE			6	#6	H + 2' -0"	1'-9"	H + 10"
6'	3'-4"	6'-4"	1'-3"	5	5	5	5	4	#6	4'-10"	6	#6	5'-4"	1'-9"	4'-2"	
7'	3'-6"	6'-6"	1'-3"	5	5	5	6	4	#6	5'-10"	6	#6	5'-4"	1'-9"	4'-2"	
8'	3'-8"	6'-8"	1'-3"	5	5	5	6	4	#6	7'-10"	6	#6	5'-4"	1'-9"	4'-2"	
9'	3'-10"	6'-10"	1'-3"	5	5	6	7	4	#6	8'-10"	6	#6	5'-4"	1'-9"	4'-2"	
10'	4'-0"	7'-0"	1'-3"	5	5	6	7	4	#6	9'-10"	6	#6	5'-4"	1'-9"	4'-2"	
11'	4'-2"	7'-2"	1'-3"	5	5	7	8	4	#6	10'-10"	6	#6	5'-4"	1'-9"	4'-2"	
12'	4'-4"	7'-4"	1'-3"	5	5	7	8	4	#6	11'-10"	6	#6	5'-4"	1'-9"	4'-2"	
13'	4'-6"	7'-6"	1'-6"	5	6	7	8	4	#6	12'-10"	6	#6	5'-7"	1'-9"	4'-5"	
14'	4'-8"	7'-8"	1'-6"	6	6	8	9	4	#6	13'-10"	6	#6	5'-7"	1'-9"	4'-5"	
15'	4'-10"	7'-10"	1'-6"	6	6	8	9	4	#6	14'-10"	6	#6	5'-7"	1'-9"	4'-5"	
16'	5'-0"	8'-0"	1'-6"	6	6	8	9	4	#6	15'-10"	6	#6	5'-7"	1'-9"	4'-5"	
17'	5'-2"	8'-2"	1'-6"	6	7	9	10	4	#6	16'-10"	6	#6	5'-7"	1'-9"	4'-5"	
18'	5'-4"	8'-4"	1'-6"	7	8	9	10	4	#6	17'-10"	6	#6	5'-7"	1'-9"	4'-5"	
19'	5'-6"	8'-6"	1'-6"	7	8	10	11	4	#6	18'-10"	6	#6	5'-7"	1'-9"	4'-5"	
20'	5'-8"	8'-8"	1'-6"	7	9	10	12	4	#6	19'-10"	6	#6	5'-7"	1'-9"	4'-5"	
21'	5'-10"	8'-10"	1'-6"	8	9	11	12	4	#6	19'-10"	6	#6	6'-0"	1'-9"	4'-9"	
22'	6'-0"	9'-0"	1'-6"	9	10	12	13	4	#6	19'-10"	6	#6	7'-0"	1'-9"	5'-9"	
23'	6'-2"	9'-2"	1'-6"	9	10	12	13	4	#6	19'-10"	6	#6	8'-0"	1'-9"	6'-9"	
24'	6'-4"	9'-4"	1'-6"	10	11	13	15	4	#6	19'-10"	6	#6	9'-0"	1'-9"	7'-9"	
25'	6'-6"	9'-6"	1'-6"	10	11	14	16	4	#6	19'-10"	6	#6	11'-0"	1'-9"	9'-3"	
26'	6'-8"	9'-8"	1'-6"	11	12	15	16	4	#6	19'-10"	6	#6	12'-0"	1'-9"	10'-3"	
27'	6'-10"	9'-10"	1'-6"	12	13	16	17	4	#6	19'-10"	6	#6	13'-0"	1'-9"	11'-3"	
28'	7'-0"	10'-0"	1'-6"	12	13	16	18	4	#6	19'-10"	6	#6	14'-0"	1'-9"	12'-3"	
											BARS L		NO.-SIZE-LENGTH			
											H					
											0'-4"		NONE			
											4'-28"		2 #6 2'-6"			

FULTON COUNTY STANDARD DETAIL 406
CONCRETE PIER AND FOOTING DETAIL

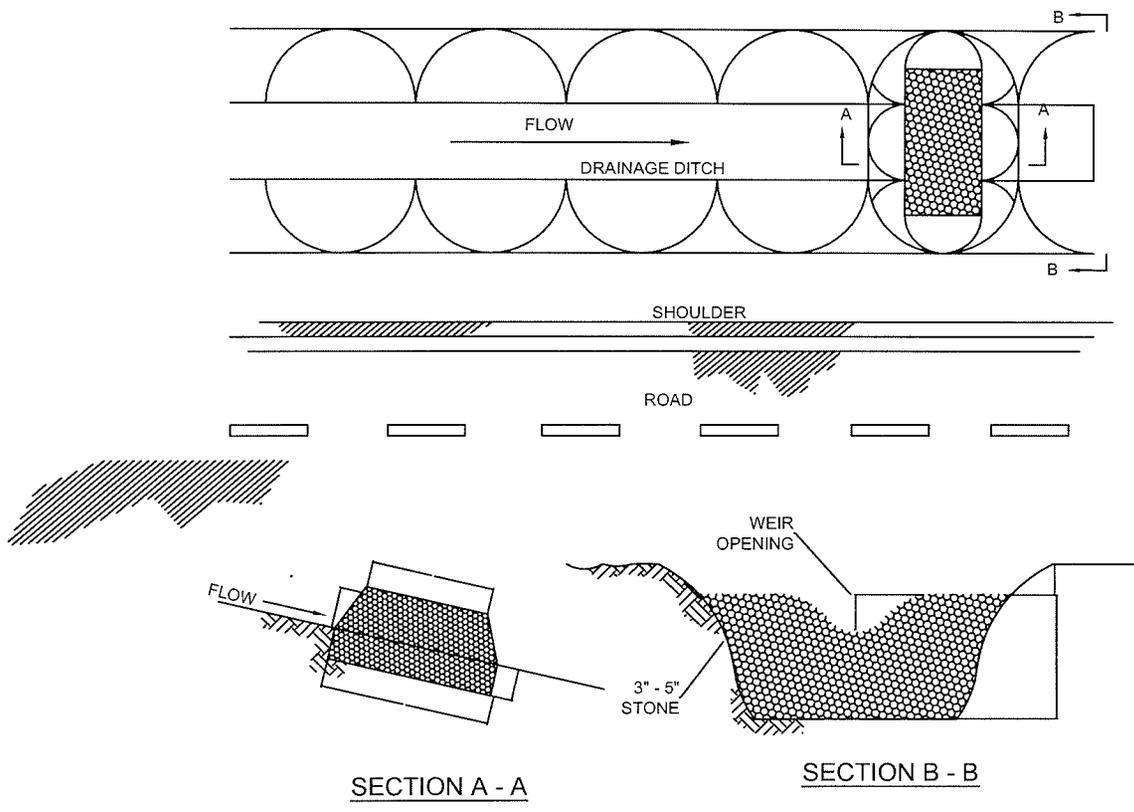
DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-05



FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0498

DRAWING NO.
406



NOTES:
 1. USE AND LOCATION OF CHECK DAMS SHALL BE AS DIRECTED BY INSPECTOR.

FULTON COUNTY STANDARD DETAIL 407
 EROSION CONTROL
 CHECK DAMS

DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: CMS
 APPROVED: REW
 DATE: 12-2-05



FULTON COUNTY PUBLIC WORKS
 141 PRYOR ST. ATLANTA, GA. 30303
 404-730-7400 FAX: 404-224-0498

DRAWING NO.
 407