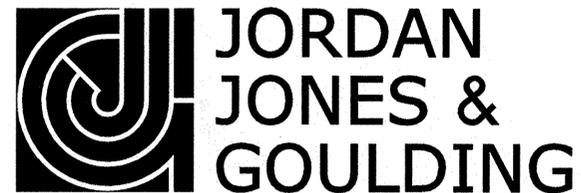
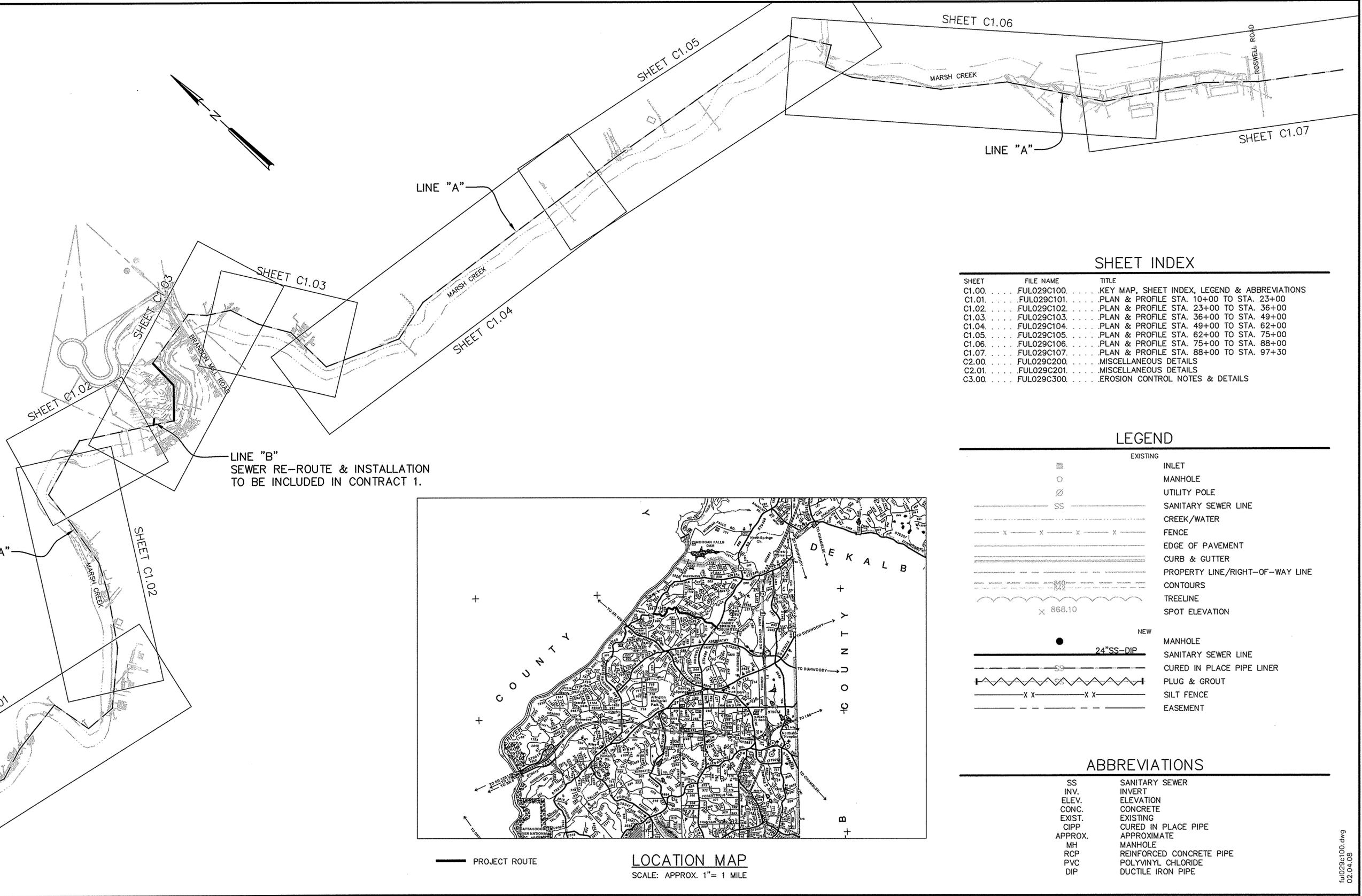


**MARSH CREEK
SEWER REHABILITATION
CONTRACT 2
BOARD OF COMMISSIONERS
FULTON COUNTY, GEORGIA**



JANUARY 2008

KEY MAP
SCALE: 1"=200'



SHEET INDEX

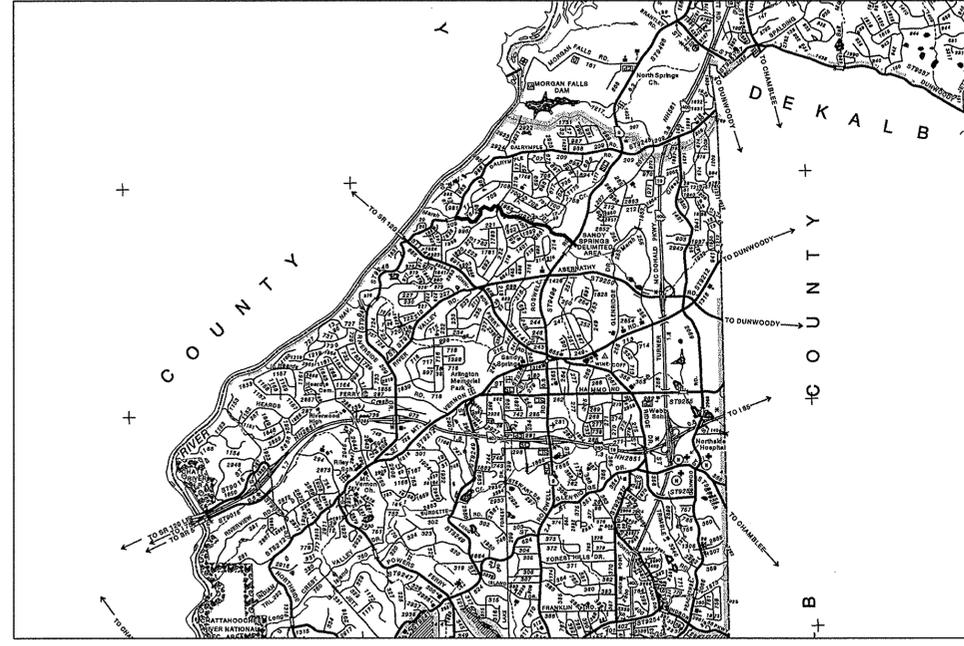
SHEET	FILE NAME	TITLE
C1.00	FUL029C100	KEY MAP, SHEET INDEX, LEGEND & ABBREVIATIONS
C1.01	FUL029C101	PLAN & PROFILE STA. 10+00 TO STA. 23+00
C1.02	FUL029C102	PLAN & PROFILE STA. 23+00 TO STA. 36+00
C1.03	FUL029C103	PLAN & PROFILE STA. 36+00 TO STA. 49+00
C1.04	FUL029C104	PLAN & PROFILE STA. 49+00 TO STA. 62+00
C1.05	FUL029C105	PLAN & PROFILE STA. 62+00 TO STA. 75+00
C1.06	FUL029C106	PLAN & PROFILE STA. 75+00 TO STA. 88+00
C1.07	FUL029C107	PLAN & PROFILE STA. 88+00 TO STA. 97+30
C2.00	FUL029C200	MISCELLANEOUS DETAILS
C2.01	FUL029C201	MISCELLANEOUS DETAILS
C3.00	FUL029C300	EROSION CONTROL NOTES & DETAILS

LEGEND

EXISTING		NEW	
	INLET		MANHOLE
	UTILITY POLE		SANITARY SEWER LINE
	CREEK/WATER		CURED IN PLACE PIPE LINER
	FENCE		PLUG & GROUT
	EDGE OF PAVEMENT		SILT FENCE
	CURB & GUTTER		EASEMENT
	PROPERTY LINE/RIGHT-OF-WAY LINE		
	CONTOURS		
	TREELINE		
	SPOT ELEVATION		
			24"SS-DIP

ABBREVIATIONS

SS	SANITARY SEWER
INV.	INVERT
ELEV.	ELEVATION
CONC.	CONCRETE
EXIST.	EXISTING
CIPP	CURED IN PLACE PIPE
APPROX.	APPROXIMATE
MH	MANHOLE
RCP	REINFORCED CONCRETE PIPE
PVC	POLYVINYL CHLORIDE
DIP	DUCTILE IRON PIPE



LOCATION MAP
SCALE: APPROX. 1"= 1 MILE

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

NO.	DATE	DESCRIPTION OF REVISION
0	01-18-08	INITIAL ISSUE

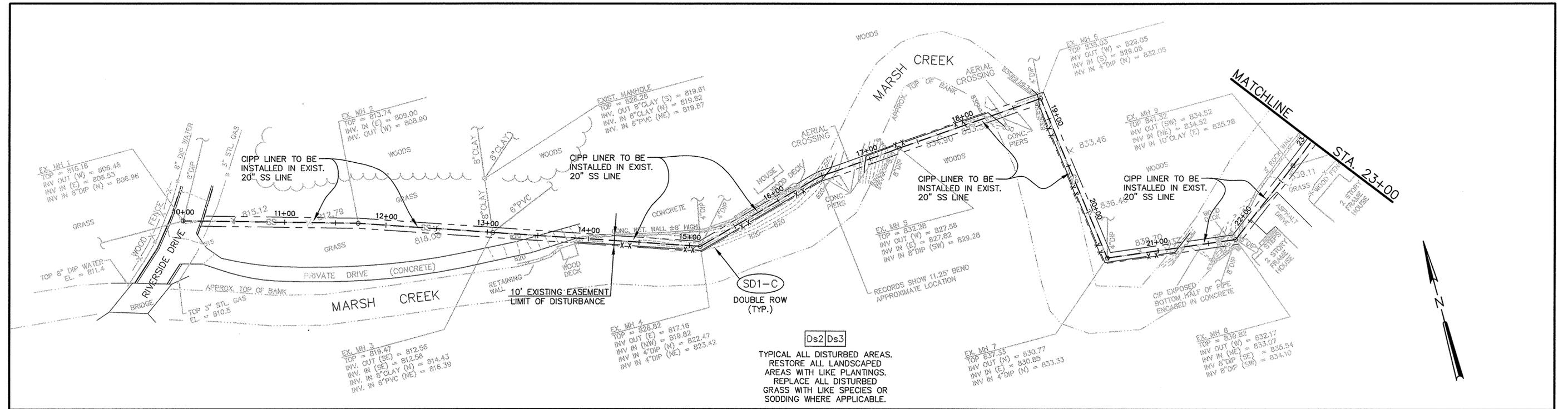


BOARD OF COMMISSIONERS
FULTON COUNTY, GA

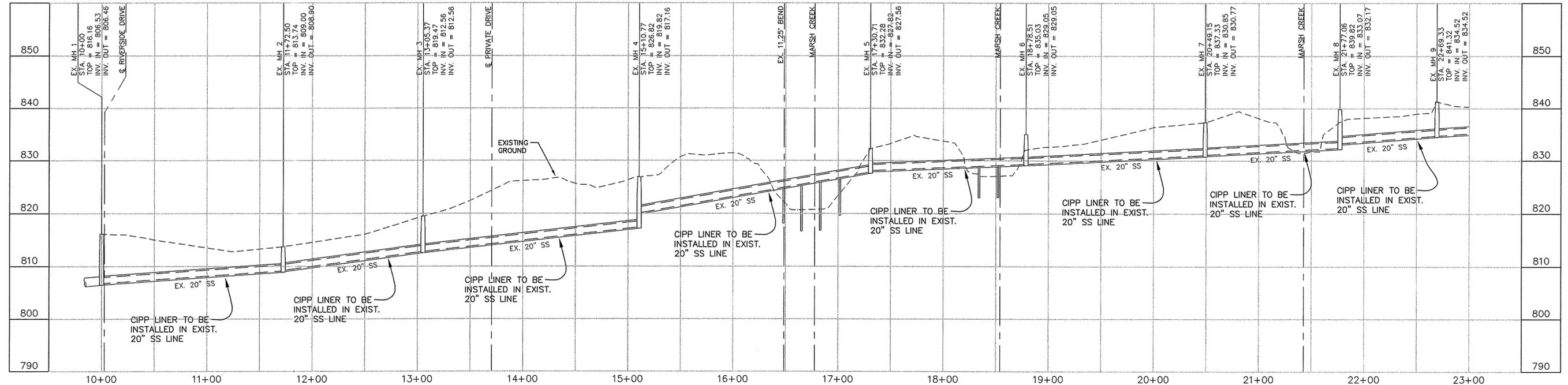


MARSH CREEK SEWER REHABILITATION CONTRACT 2			
KEY MAP, SHEET INDEX, LEGEND & ABBREVIATIONS			
DESIGNED: MM	CHECKED: TM	DATE: JANUARY 2008	C1.00
DRAWN: MEU	JOB NO. 02019029	SCALE: 1" = 200'	0
			REV

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PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' (HORIZ.)
1"=10' (VERT.)

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

NO.	DATE	DESCRIPTION OF REVISION
0	01-18-08	INITIAL ISSUE



BOARD OF COMMISSIONERS
FULTON COUNTY, GA

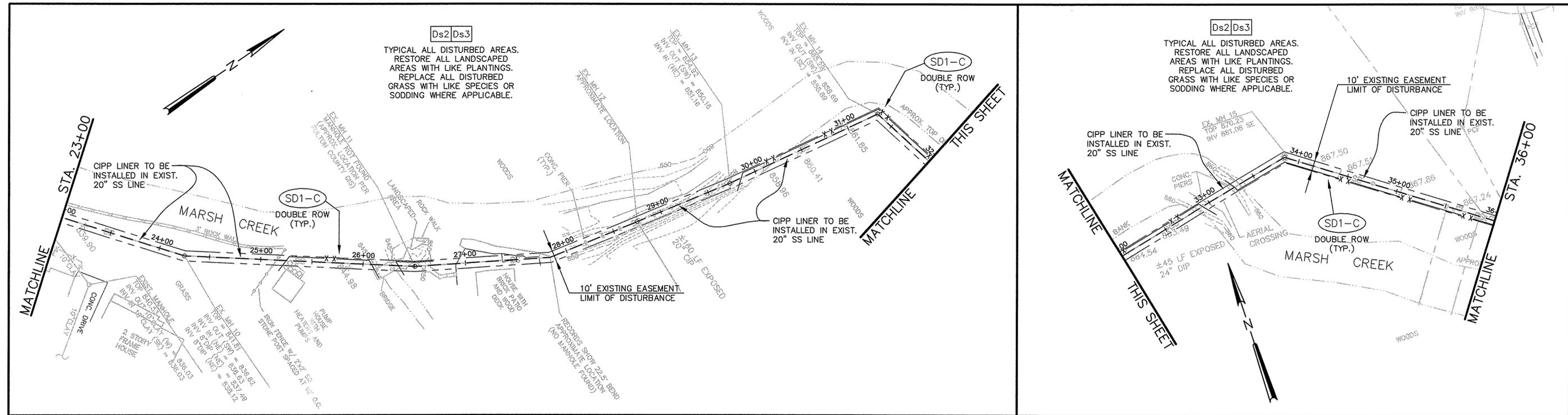


MARSH CREEK SEWER REHABILITATION
CONTRACT 2

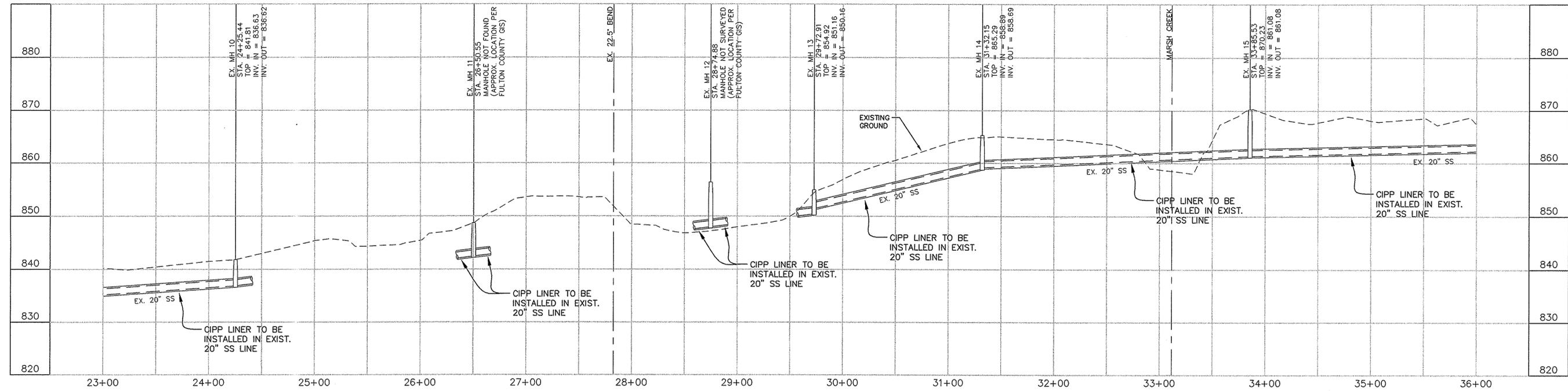
PLAN & PROFILE
STA. 10+00 TO STA. 23+00

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PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' (HORIZ.)
1"=10' (VERT.)

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

NO.	DATE	DESCRIPTION OF REVISION
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BOARD OF COMMISSIONERS
FULTON COUNTY, GA

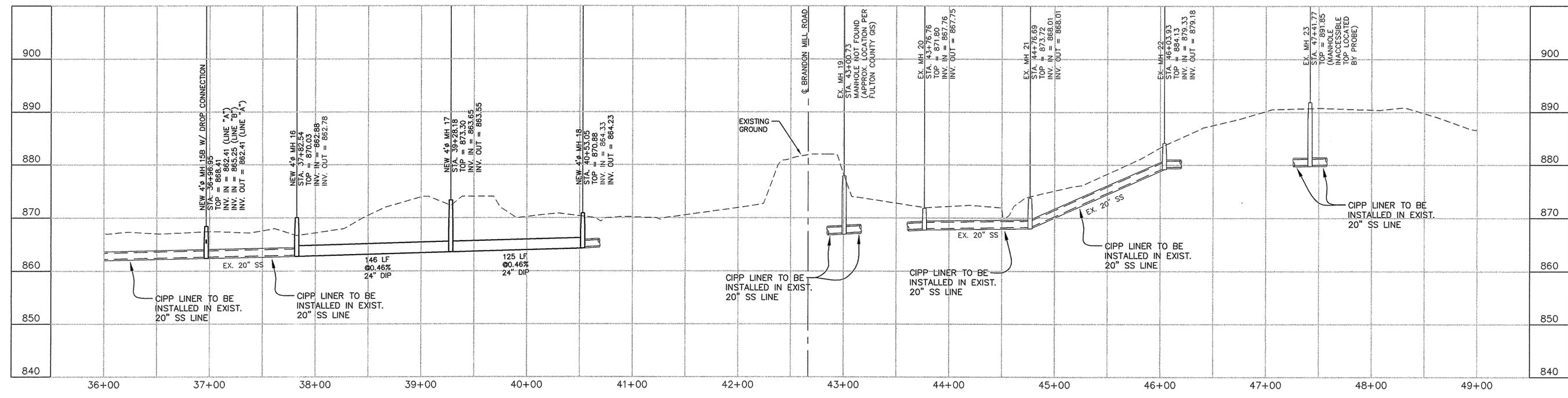
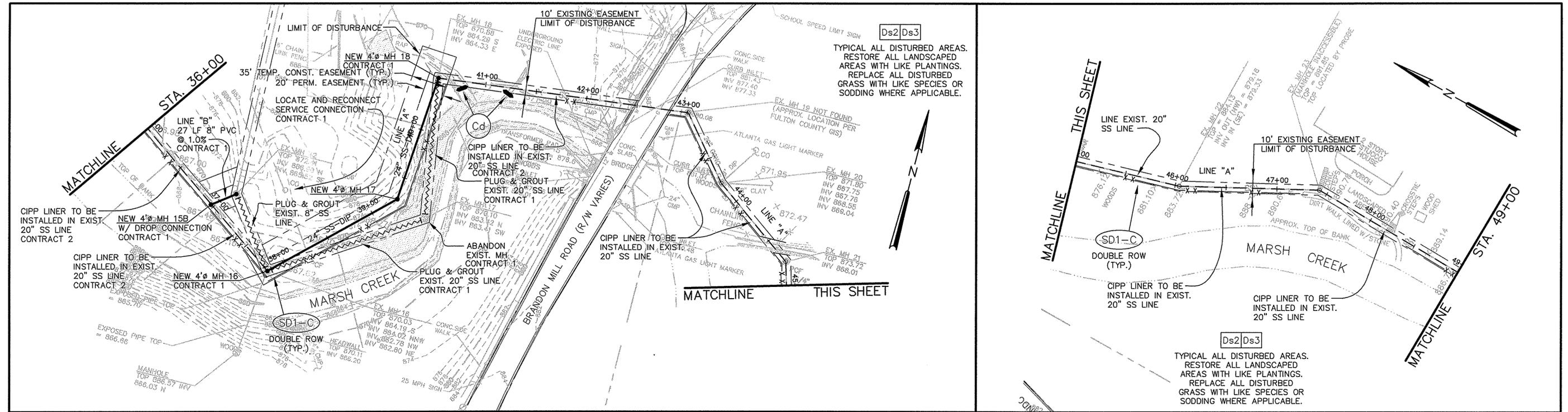


MARSH CREEK SEWER REHABILITATION
CONTRACT 2

PLAN & PROFILE
STA. 23+00 TO STA. 36+00

DESIGNED: MM	CHECKED: JM	DATE: JANUARY 2008	C1.02	0
DRAWN: MEU	JOB NO. 02019029	SCALE: AS NOTED	SHEET	REV

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NO.	DATE	DESCRIPTION OF REVISION
0	01-18-08	INITIAL ISSUE



BOARD OF COMMISSIONERS
FULTON COUNTY, GA



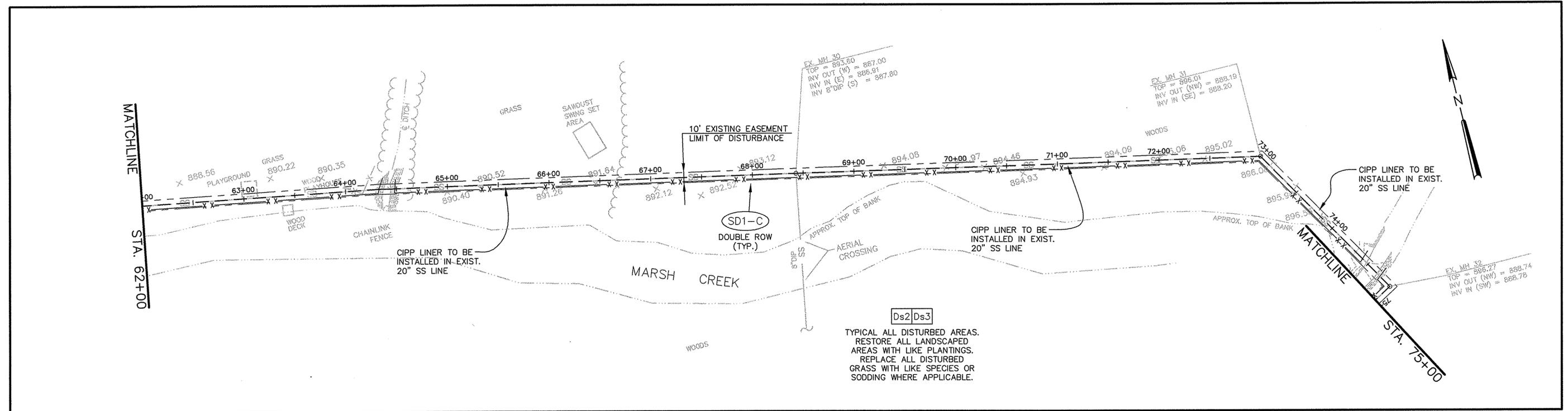
MARSH CREEK SEWER REHABILITATION
CONTRACT 2

PLAN & PROFILE
STA. 36+00 TO STA. 49+00

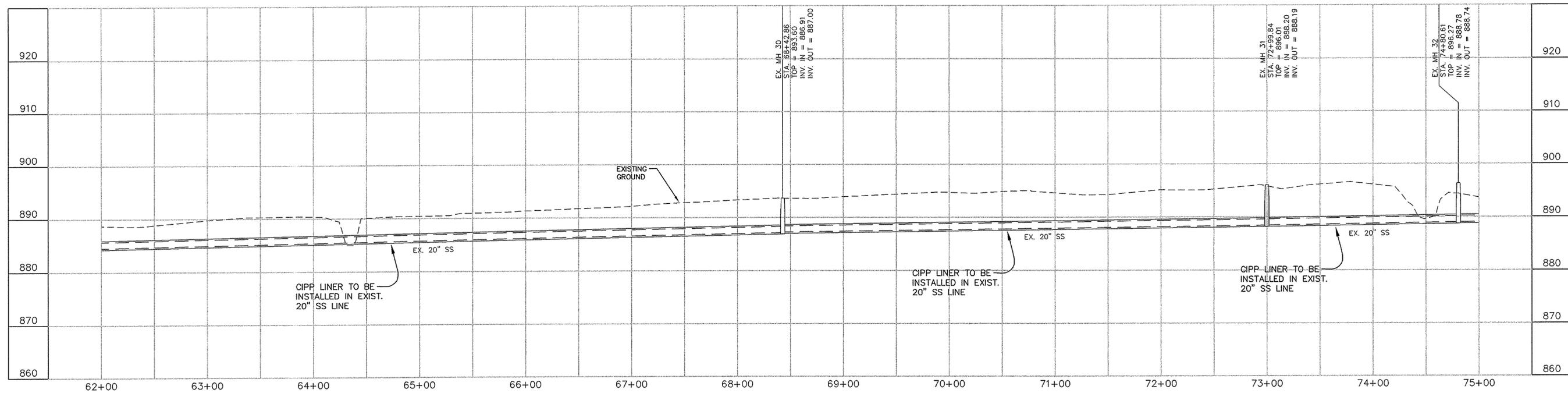
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DRAWN: MEU	JOB NO. 02019029	SCALE: AS NOTED	SHEET	REV

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PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' (HORIZ.)
1"=10' (VERT.)

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

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BOARD OF COMMISSIONERS
FULTON COUNTY, GA

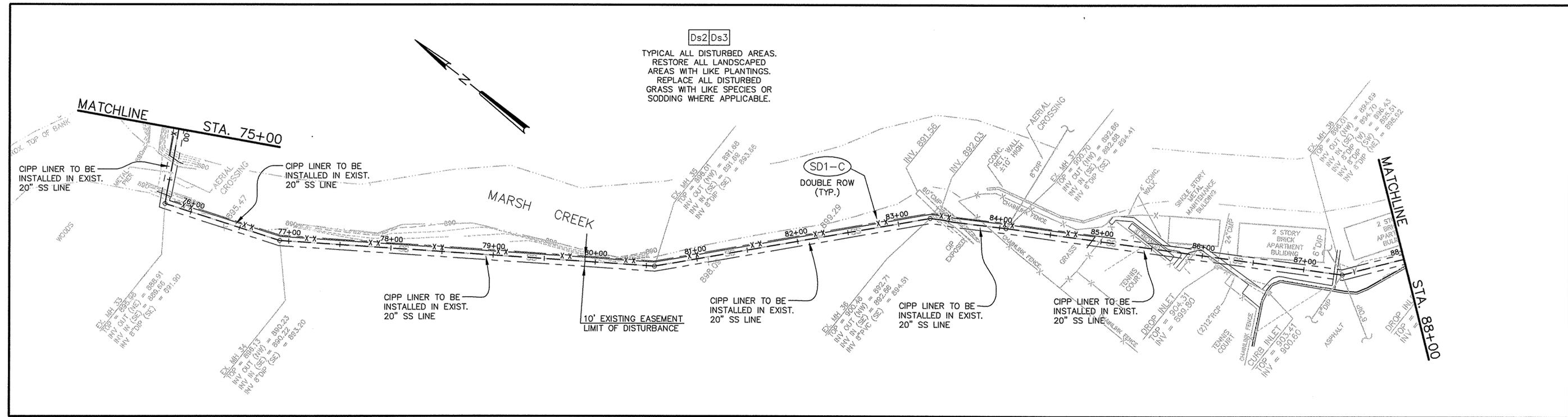


MARSH CREEK SEWER REHABILITATION
CONTRACT 2

PLAN & PROFILE
STA. 62+00 TO STA. 75+00

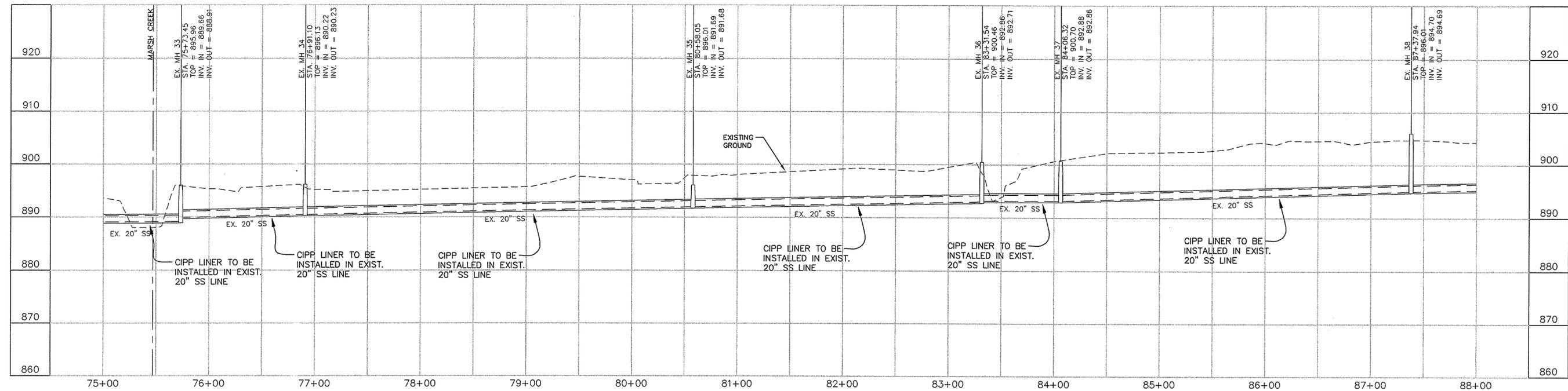
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DRAWN: MEU	JOB NO. 02019029	SCALE: AS NOTED	SHEET	REV

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Ds2Ds3
 TYPICAL ALL DISTURBED AREAS.
 RESTORE ALL LANDSCAPED
 AREAS WITH LIKE PLANTINGS.
 REPLACE ALL DISTURBED
 GRASS WITH LIKE SPECIES OR
 SODDING WHERE APPLICABLE.

PLAN
 SCALE: 1"=50'



PROFILE
 SCALE: 1"=50' (HORIZ.)
 1"=10' (VERT.)

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

NO.	DATE	DESCRIPTION OF REVISION
0	01-18-08	INITIAL ISSUE



BOARD OF COMMISSIONERS
 FULTON COUNTY, GA



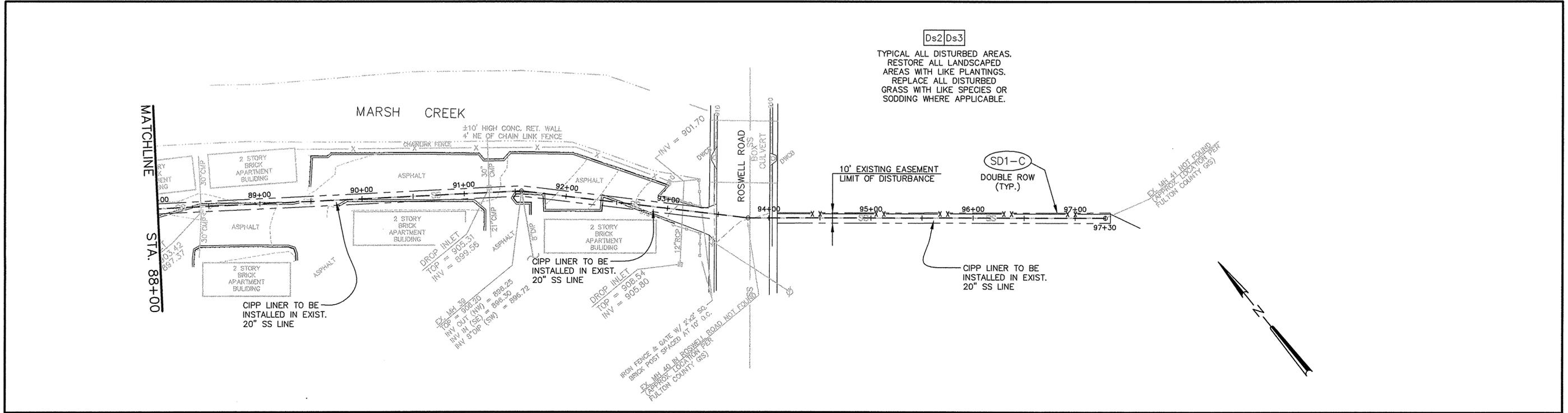
MARSH CREEK SEWER REHABILITATION
 CONTRACT 2

PLAN & PROFILE
 STA. 75+00 TO STA. 88+00

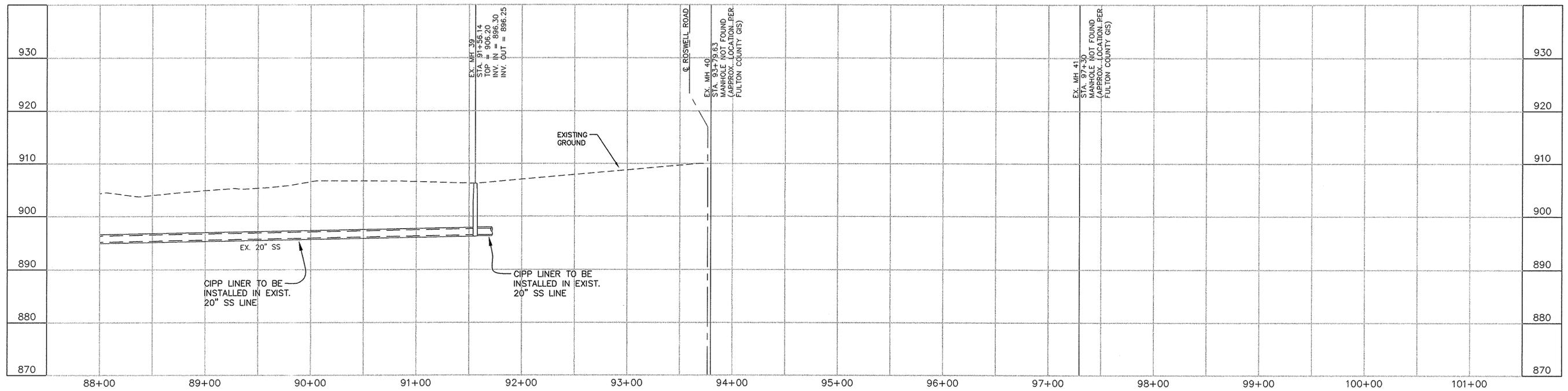
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CMORRIS



PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' (HORIZ.)
1"=10' (VERT.)

C:\MORRIS

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

NO.	DATE	DESCRIPTION OF REVISION
0	01-18-08	INITIAL ISSUE

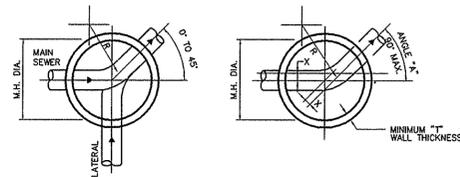


BOARD OF COMMISSIONERS
FULTON COUNTY, GA



MARSH CREEK SEWER REHABILITATION CONTRACT 2			
PLAN & PROFILE STA. 88+00 TO STA. 97+30			
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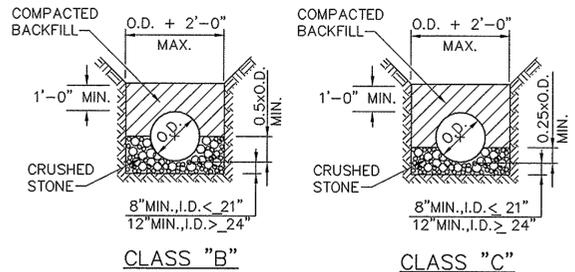
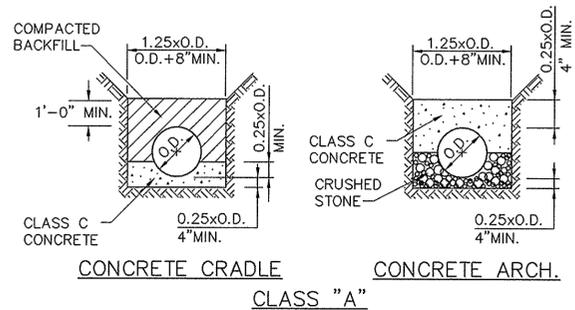
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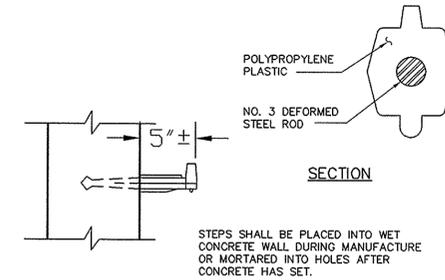
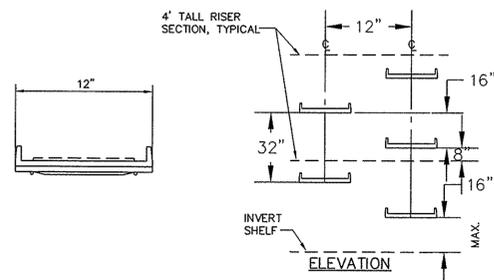
STANDARD MANHOLE SCHEDULE OF GOVERNING DIMENSIONS				
PIPE SIZE	ANGLE "A"	M.H. DIA.	"Y"	"X"
10" DIP, 12" HDPE	0° TO 90°	4'-0"	5"	0"
18" DIP, 22" HDPE	0° TO 60°	5'-0"	6"	0"
18" DIP, 22" HDPE	60° TO 90°	5'-0"	6"	6"
24" DIP, 28" HDPE	0° TO 30°	6'-0"	6"	0"
24" DIP, 28" HDPE	30° TO 60°	6'-0"	6"	6"
24" DIP, 28" HDPE	60° TO 90°	6'-0"	7"	8"

NOTE:
MINIMUM RADIUS (R) OF M.H. INVERT
= 1.5 x PIPE DIAMETER

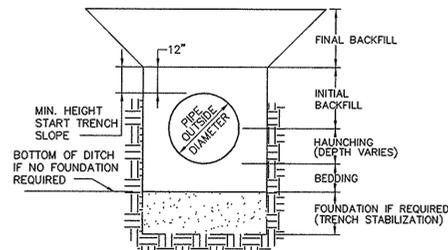
STANDARD MANHOLE DETAIL
N.T.S.



PIPE BEDDING AND HAUNCHING
N.T.S.



MANHOLE STEP DETAIL
N.T.S.



NOTE: SEE SPECIFICATIONS SECTION 02225 AND DETAIL NO. S-2 FOR DIMENSIONS AND MATERIALS

TRENCH TERMINOLOGY
N.T.S.



BOARD OF COMMISSIONERS
FULTON COUNTY, GA



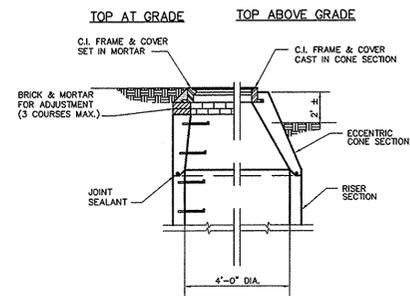
MARSH CREEK SEWER REHABILITATION
CONTRACT 2

MISCELLANEOUS DETAILS

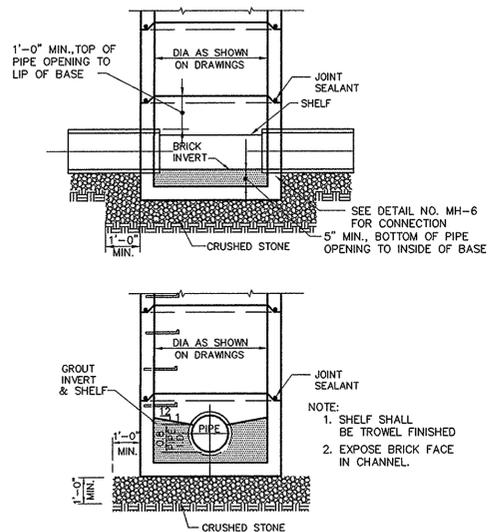
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DRAWN: MEU	JOB NO. 02019029	SCALE: AS NOTED	SHEET	REV

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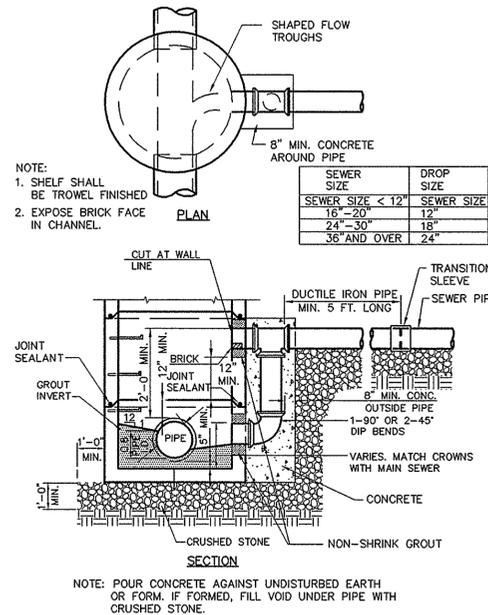
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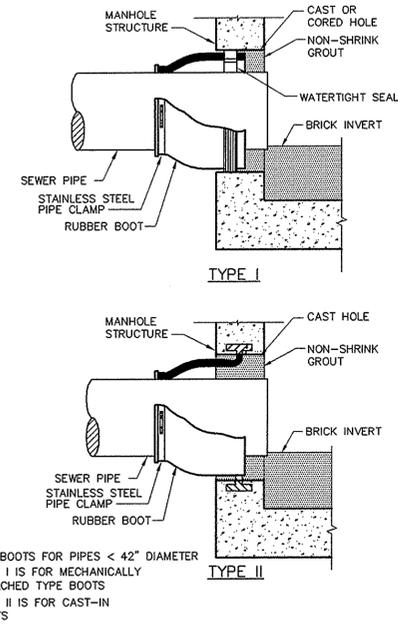
MANHOLE RISER AND CONE DETAIL
N.T.S.



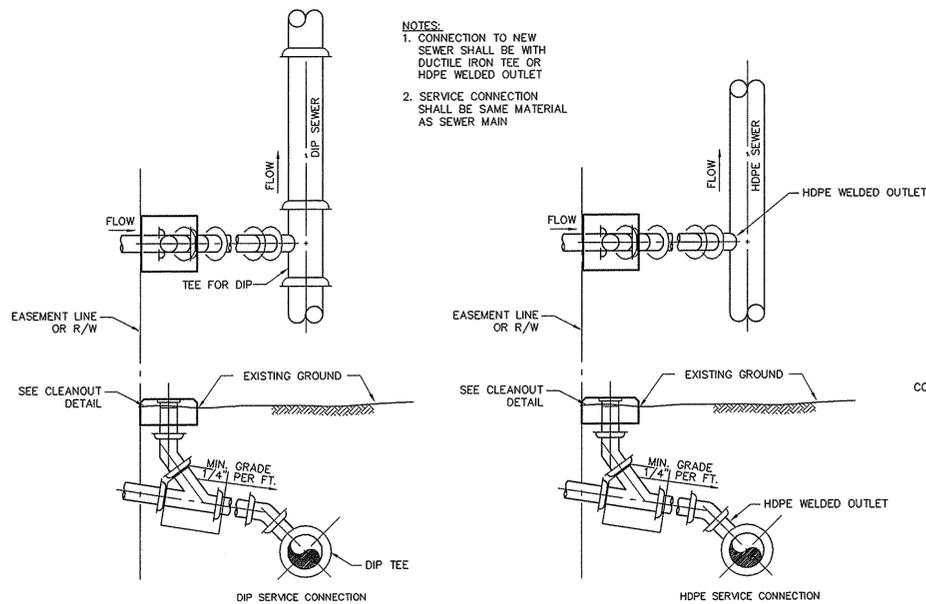
STANDARD MANHOLE DETAIL
N.T.S.



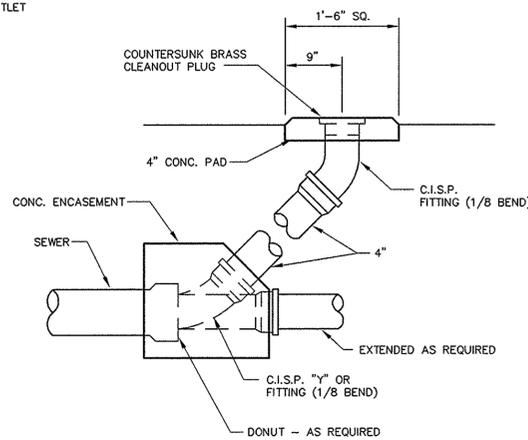
DROP CONNECTION MANHOLE DETAIL
N.T.S.



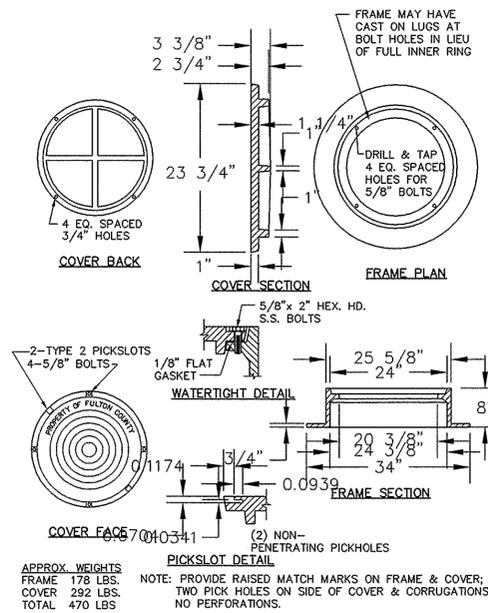
BOOT DETAIL
N.T.S.



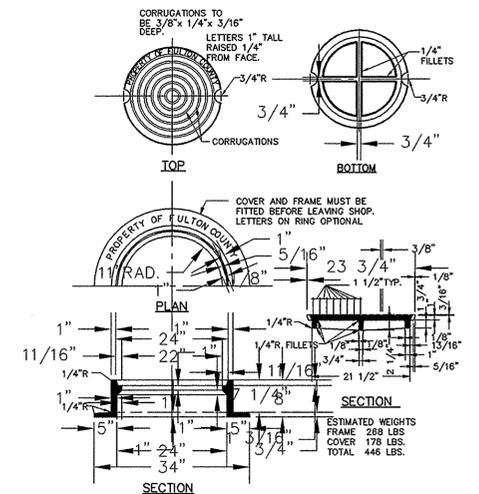
STANDARD SERVICE CONNECTIONS
N.T.S.



CLEANOUT DETAIL
N.T.S.



MANHOLE COVER DETAIL
N.T.S.



SOLID FRAME AND COVER DETAIL
N.T.S.

CMORRS

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

NO.	DATE	DESCRIPTION OF REVISION
0	01-18-08	INITIAL ISSUE



BOARD OF COMMISSIONERS
FULTON COUNTY, GA



MARSH CREEK SEWER REHABILITATION
CONTRACT 2

MISCELLANEOUS DETAILS

DESIGNED: MM	CHECKED: TM	DATE: JANUARY 2008	C2.01	0
DRAWN: MEU	JOB NO. 02019029	SCALE: AS NOTED	SHEET	REV

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01.15.08

1-18-2008

Primary Permittee	Operator	Qualified Personnel
OWNER/DEVELOPER: BOARD OF COMMISSIONERS FULTON COUNTY, GEORGIA 141 PRYOR STREET, SUITE 3077 ATLANTA, GEORGIA 30303 PHONE (404) 893-0880 24 HOUR CONTACT: FULTON COUNTY DEPARTMENT OF PUBLIC WORKS RAY WOOTEN PHONE (404) 862-1243 FAX (404) 612-8345	CONTRACTOR TO BE DETERMINED	CIVIL ENGINEER: JORDAN, JONES AND GOULDING, INC. 745 S. WILLEDGE AVENUE ATHENS, GEORGIA 30606 PHONE (706) 353-2868

Description of Existing Land Use
SANITARY SEWER EASEMENT

Site Purpose and Construction Activity
THE SITE WILL BE USED TO CONSTRUCT AND PERFORM MAINTENANCE A SANITARY SEWER MAIN. THE CONSTRUCTION ACTIVITY WILL INCLUDE INSTALLATION OF CONSTRUCTION ENTRANCES AND OTHER EROSION AND SEDIMENT CONTROLS, UTILITY INSTALLATION AND FINAL STABILIZATION.

Site Description and Location
TOTAL SITE AREA - 1.9 AC
TOTAL AREA OF DISTURBANCE - 0.3 AC
SOIL TYPES: CECIL, CHEWACLA, LOUISBURG, CONGAREE
SOIL LOCATIONS ARE NOT LOCATED ON PLAN. U.S.D.A. - NRCS, MAPS OF THIS AREA ARE CURRENTLY UNDER REVISION. THIS INFORMATION IS THE MOST CURRENT AVAILABLE.
THIS SITE IS LOCATED WITHIN THE EXISTING SEWER EASEMENT ALONG MARSH CREEK BETWEEN ROSWELL RD AND RIVERSIDE DR, FULTON COUNTY, GEORGIA.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND BETWEEN SURVEY DATA AND ACTUAL FIELD CONDITIONS.

Runoff Coefficient
WILL BE THE SAME AFTER CONSTRUCTION, AS BEFORE CONSTRUCTION.

Receiving Waters
RECEIVING WATERS FROM THE SITE - CHATTAHOOCHEE RIVER

Drainage Description
THE SITE HAS VARYING TERRAIN WITH SLOPES FROM 0-15%. THE EXISTING DRAINAGE FLOWS TO THE CHATTAHOOCHEE RIVER.

Slopes After Grading
NO GRADING IS A PART OF THIS PROJECT.

Best Management Practices

- Stripping of vegetation, regrading, and other development activities shall be conducted in such a manner so as to minimize erosion.
- Cut and fill operations shall be kept to a minimum and will not endanger adjacent properties.
- Development plans will conform to topography and soil type, so as to create the lowest practicable erosion potential.
- Whenever feasible, natural vegetation shall be retained, protected, and supplemented.
- Disturbed soil shall be stabilized as quickly as practicable.
- Temporary vegetation or mulching shall be employed to protect exposed critical areas during construction.
- Permanent vegetation and structural erosion control measures shall be installed as soon as practicable.
- To the extent necessary, sediment in runoff water shall be trapped by the use of debris basins, silt traps, or similar measures until the disturbed area is stabilized. Silt fencing will be DOT Type "C".
- Adequate provisions shall be provided to minimize damage from surface water to the cut face of excavations or the sloping surfaces of fills; all fill slopes shall have silt fencing at the toe.
- Grading equipment shall cross flowing streams by the means of bridges or culverts, except when such methods are not feasible, provided in any case that such crossings shall be kept to a minimum.
- Fills shall not encroach upon natural water courses or constructed channels in a manner so as to adversely affect other property owners.
- Provisions shall be provided for treatment or control of any source of sediments and adequate sedimentation control facilities to retain sediments on site or preclude sedimentation of adjacent waters beyond the levels specified in this permit.
- No construction activities shall be conducted within a 25-foot buffer along the banks of all state waters. Exceptions include an approved variance or where a drainage structure or a roadway drainage structure must be constructed, provided that adequate erosion control measures are incorporated in the project plans and specifications and are implemented.
- No construction activities shall be conducted within a buffer, and a buffer shall remain in its natural, undisturbed, state of vegetation until all land-disturbing activities on the construction site are completed.
- Except as provided above, for buffers required pursuant to Part IV(xv), and (xvi), no construction activities shall be conducted within a buffer and a buffer shall remain in its natural, undisturbed, state of vegetation until all land-disturbing activities on the construction site are completed. Between the time final stabilization of the site is achieved and upon the submittal of a Notice of Termination, a buffer may be thinned or trimmed of vegetation as long as a protective vegetative cover remains to protect water quality and aquatic habitat and a natural canopy is left in sufficient quantity to keep shade on the stream bed.
- Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel for the purpose of providing a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., no significant changes in the hydrological regime of the receiving water(s)).
- Waste disposal. No solid materials, including building materials, shall be discharged to waters of the State, except as authorized by a Section 404 permit.
- Off-site vehicle tracking of dirt, soils, and sediments and the generation of dust shall be minimized or eliminated to the maximum extent practical. The Plan shall include the best management practice to be implemented at the site or common development.
- All permittees shall ensure and demonstrate that their Plan is in compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

Erosion Control Notes - Fulton County

- SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE OF THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATION, CURRENT EDITION.
- ADDITIONAL EROSION CONTROL MEASURES WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS.
- WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE:
 - THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC. FROM THE DRAINAGE AREAS SHOWN HEREON IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.
 - THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE THESE AREAS IMMEDIATELY UPON NOTIFICATION BY THE FULTON COUNTY INSPECTOR AND/OR THE PROFESSIONAL ENGINEER.
- PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE WILL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE.
- THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
- IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL IMMEDIATELY BE REPORTED TO THE ENGINEER.
- THE CONSTRUCTION OF THE SITE WILL INITIATE WITH INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION.
- THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS HALF THE HEIGHT OF THE SILT FENCE UTILIZED FOR EROSION CONTROL.
- FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO FULTON COUNTY STANDARDS.
- A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION BY THE ISSUING AUTHORITY.
- ALL CUT AND FILL SLOPES MUST BE SURFACE ROUGHED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
- EROSION CONTROL PRACTICES SHALL MEET THE STANDARDS OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, OR OTHER LOCAL HANDBOOKS.
- ALL FILL SLOPES SHALL HAVE SILT FENCE AT THE TOE OF THE SLOPE.
- A 25 OR 35 FOOT UNDISTURBED VEGETATIVE BUFFER ADJACENT TO ALL RUNNING STREAMS AND CREEKS WILL BE LEFT AND MAINTAINED.

Pollution Prevention Measures

Good Housekeeping Practices
AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT TO DO THE JOB.
ALL MATERIALS ON-SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER ONE ROOF OR ENCLOSURE. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINER WITH ORIGINAL MANUFACTURER'S LABEL.
SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
Hazardous Products:
THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.
PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED. THEY CONTAIN IMPORTANT INFORMATION THAT MUST BE PROPERLY STORED, HANDLED, MAINTAINED OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

Inspection and Maintenance Procedures

Daily
Construction Exit
All Erosion Control Measures

Weekly and/or within 24hrs of 0.5 Storm Event or greater
Construction Exit
All Erosion Control Measures

Monthly and/or until Notice of Termination
All areas which have undergone Final Stabilization
All Erosion Control Measures

Storage Areas for potential pollutants:
Silt Fence - sediment shall be removed from silt fence when it reaches 1/2 the height of the fence.
Petroleum
Insect Silt Fence for tears, see that fabric is firmly in place and all posts secure
Point
Sediment Basin - inspect for depth of sediment, remove when sediment reaches 10% of design capacity.
Concrete
Detergents
Tor
Cleaning Solvents
Wood/Masonry
Roofing Material
Metal Studs

Other Hazardous Materials
Temporary and Permanent Seeding - inspect for bare spots, washouts and healthy growth

Accessible Discharge Points - ensure that erosion control measures are effective in preventing significant impacts to receiving waters

A MAINTENANCE REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED IS ATTACHED TO PLANS.

Inspections shall be conducted under the supervision of the Primary Permittee by "Qualified Personnel." QUALIFIED PERSONNEL means a person who has successfully completed an erosion and sediment control short course eligible for continuing education units, or an equivalent course approved by EPD and the Georgia Soil and Water Conservation Commission.

Record Keeping A report shall be made after each inspection summarizing the results. The Inspector must record any damage or deficiencies in the control measures on the provided report form. The Operator shall repair any damage as soon as practical and no later than (7) seven days after the inspection. The plans must be kept current. It is the responsibility of the Primary Permittee to revise the E2&P plans.

Silt Prevention Practices

Manufactures recommended methods for silt cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and the cleanup supplies.
Materials and equipment necessary for silt cleanup will be kept in a material storage area onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose. All spills will be cleaned up immediately after discovery.
The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance. Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of size.
The spill prevention plan will be adjusted to included measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one.
A description of the spill, what caused it, and the cleanup measures will also be included.
The Operator will designate a spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel will be included in the material storage area and in the office trailer onsite.

Product Specific Practices

Petroleum Products:
All on site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. Any petroleum to be stored in tanks will have a secondary containment measure all containers/tanks will be regularly inspected for cracks or leakage. If possible, petroleum products will be stored in a covered area. Any asphalt substances used on site will be applied according to the manufacturer's recommendations.

Paints:
All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system or surface waters but will be properly disposed of according to manufacturer's instructions and Federal, State and Local regulations.

Concrete Trucks:
Concrete Trucks will not be allowed to washout or discharge surplus concrete drum wash on site except in designated wash areas. Wash areas, if constructed, will consist of an enclosed waste collection area that will contain the concrete wash until it hardens.

Fertilizers:
Fertilizer will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. Storage will be in a covered shed (whenever possible). The contents of any partially used bags of fertilizer will be transferred to sealable plastic bins to avoid spills (whenever possible).

SANITARY/SEPTIC WASTES
All sanitary waste facilities will be serviced by a qualified domestic waste hauler. Facilities will be placed out of high flow areas, and will be kept away from, and not rinsed into, storm drain inlets and receiving bodies of water.

Mulch:
Mulch storage must comply with the following section of the Standard Fire Prevention Code: Section 502.3.1 - No person shall store in any building or upon any premises in excess of 2,500 cu. ft. gross volume of combustible empty packing cases, boxes, barrels or similar containers, or rubber tires, or rubber or other similarly combustible materials without a permit.

Sandblasting Grits:
No sandblasting grit will be disposed of on site. Its disposal will be coordinated with a licensed waste management or transport and disposal firm.

Construction Wastes:
All construction waste, for example: rubble, packaging materials, scrap building supplies, and trees and shrubs removed during grubbing, will be collected at a designated on-site location. If possible the waste accumulation area will be located in a covered area. All construction wastes will be removed regularly on a consistent schedule and disposed of at authorized disposal sites.

Detergents:
The use of detergents will be limited on site, and no wash water containing detergents will be discharged to storm drain inlets or receiving bodies of water.

Non-Storm Water Discharge

It is not anticipated that any non-storm water discharges will be made to any on site waters. If it is determined that non-storm water discharges will be made, including discharges from fire fighting activities, fire hydrant flushing, potable water sources including inline flushing, irrigation drainage, air conditioning condensate, springs, uncontaminated ground water, and foundation or footing drains where flows are not contaminated with process materials or pollutants, this section will be amended with the details of the drainage.

PERMANENT GRASSING SPECIFICATIONS

MAR 1 TO JULY 31

COMMON BERMUDAGRASS (HULLED)	10 LBS./ACRE
COMMON BERMUDAGRASS (HULLED) AND WEEPING LOVEGRASS	6 LBS./ACRE
COMMON BERMUDAGRASS (HULLED) AND CENTPEDE	6 LBS./ACRE
COMMON BERMUDAGRASS (HULLED) AND ANNUAL RYEGRASS	10 LBS./ACRE
COMMON BERMUDAGRASS (UNHULLED) AND TALL FESCUE	10 LBS./ACRE
COMMON BERMUDAGRASS (UNHULLED) AND RYE GRASS OR WHEAT	30 LBS./ACRE
COMMON BERMUDAGRASS (UNHULLED) AND RYE GRASS OR WHEAT	30 LBS./ACRE

FERTILIZER RATE

NITROGEN	5% - 10%	60 - 90 LBS./ACRE
PHOSPHOROUS	10% - 15%	120 - 180 LBS./ACRE
POTASSIUM	10% - 15%	120 - 180 LBS./ACRE
MULCH		2.5 TONS/ACRE
N TOP DRESS		50 - 100 LBS./ACRE
LIME		2 TONS/ACRE

NOTE
AUGUST AND SEPTEMBER ARE "HIGH FAILURE" PLANTING TIMES. IF POSSIBLE, AREAS SHOULD BE SOODED DURING THIS TIME OR JUST MULCHED AND PLANTED LATER.

JANUARY AND FEBRUARY ARE ALSO "HIGH FAILURE" MONTHS FOR PLANTING. TEMPORARY MULCH IS RECOMMENDED FOR THIS PERIOD WITH PLANTING TO COME LATER. TEMPORARY PLANTINGS MAY PROVIDE SOME COVER DURING THESE TIMES IF NO OTHER OPTIONS EXIST.

TEMPORARY SEEDING SPECIFICATIONS USED ALONE - LBS./ACRE

CONDITION 1 - FLAT TO MODERATE SLOPES 0% - 3%	SPRING	SUMMER	FALL	WINTER
GRASS				
RYE GRASS	40		40	
RYE GRAIN	150		150	
WHEAT	150		150	
WEEPING LOVEGRASS	4			
BROWNTOP MILLET	40	40		
FESCUE			50	

CONDITION 2 - MODERATE TO STEEP SLOPE 3% - 25%

GRASS	SPRING	SUMMER	FALL	WINTER
RYE GRASS	50		50	
RYE GRAIN	175		175	
WHEAT	175		175	
LESPEDEZA ANNUAL	4			40
WEEPING LOVEGRASS	4			
BROWNTOP MILLET	50	50		
SUDAN GRASS	60			
FESCUE			50	

CONDITION 3 - CONCENTRATED WATER AREAS

GRASS	SPRING	SUMMER	FALL	WINTER
RYE GRASS	50		50	
RYE GRAIN	175		175	
WHEAT	175		175	
LESPEDEZA ANNUAL	50			50
BROWNTOP MILLET	50	50		
SUDAN GRASS	60	60		
PEARL MILLET			50	
FESCUE			50	
WEEPING LOVE GRASS	5			

TEMPORARY SEEDING SPECIFICATIONS USED IN MIXTURES WITH PERMANENT GRASSES - LBS. PER ACRE

CONDITION 1 - FLAT TO MODERATE SLOPES 0% - 3%	SPRING	SUMMER	FALL	WINTER
RYE GRASS	10		10	
RYE GRAIN	30		30	
WHEAT	30		30	
WEEPING LOVEGRASS	2			
BROWNTOP MILLET	10	10		
FESCUE			30	

CONDITION 2 - MODERATE TO STEEP SLOPE 3% - 25%

GRASS	SPRING	SUMMER	FALL	WINTER
RYE GRASS	20		20	
RYE GRAIN	40		40	
WHEAT	40		40	
LESPEDEZA ANNUAL	10			10
WEEPING LOVEGRASS	2			
BROWNTOP MILLET	10	10		
SUDAN GRASS	N/R			
FESCUE			40	

CONDITION 3 - CONCENTRATED WATER AREAS

GRASS	SPRING	SUMMER	FALL	WINTER
RYE GRASS	20		20	
RYE GRAIN	40		40	
WHEAT	40		40	
LESPEDEZA ANNUAL	10			10
BROWNTOP MILLET	10	10		
SUDAN GRASS	N/R			
FESCUE			40	

CONDITION 3 - CONCENTRATED WATER AREAS

GRASS	SPRING	SUMMER	FALL	WINTER
RYE GRASS	20		20	
RYE GRAIN	40		40	
WHEAT	40		40	
LESPEDEZA ANNUAL	10			10
BROWNTOP MILLET	10	10		
SUDAN GRASS	N/R			
FESCUE			40	

CONDITION 3 - CONCENTRATED WATER AREAS

GRASS	SPRING	SUMMER	FALL	WINTER
RYE GRASS	20		20	
RYE GRAIN	40		40	
WHEAT	40		40	
LESPEDEZA ANNUAL	10			10
BROWNTOP MILLET	10	10		
SUDAN GRASS	N/R			
FESCUE			40	

CONDITION 3 - CONCENTRATED WATER AREAS

GRASS	SPRING	SUMMER	FALL	WINTER
RYE GRASS	20		20	
RYE GRAIN	40		40	
WHEAT	40		40	
LESPEDEZA ANNUAL	10			10
BROWNTOP MILLET	10	10		
SUDAN GRASS	N/R			
FESCUE			40	

CONDITION 3 - CONCENTRATED WATER AREAS

GRASS	SPRING	SUMMER	FALL	WINTER
RYE GRASS	20		20	
RYE GRAIN	40		40	
WHEAT	40		40	
LESPEDEZA ANNUAL	10			10
BROWNTOP MILLET	10	10		
SUDAN GRASS	N/R			
FESCUE			40	

CONDITION 3 - CONCENTRATED WATER AREAS

GRASS	SPRING	SUMMER	FALL	WINTER
RYE GRASS	20		20	
RYE GRAIN	40		40	
WHEAT	40		40	
LESPEDEZA ANNUAL	10			10
BROWNTOP MILLET	10	10		
SUDAN GRASS	N/R			
PEARL MILLET	N/R			
FESCUE			50	

N/R - NOT RECOMMENDED FOR MIXTURES

SCHEDULE OF MAJOR ACTIVITIES

DESCRIPTION	(MONTHS AFTER BEGINNING CONSTRUCTION)						
	1	2	3	4	5	6	7
INSTALL & MAINTAIN SEDIMENT CONTROL STRUCTURES	///	///	///	///	///	///	///
CLEARING AND GRUBBING	///	///	///	///	///	///	///
TEMPORARY MULCHING/SEEDING AS NECESSARY TO STABILIZE	///	///	///	///	///	///	///
UTILITIES	///	///	///	///	///	///	///
FINAL STABILIZATION / PERMANENT VEGETATION	///	///	///	///	///	///	///
REMOVE SEDIMENT CONTROL STRUCTURES	///	///	///	///	///	///	///

