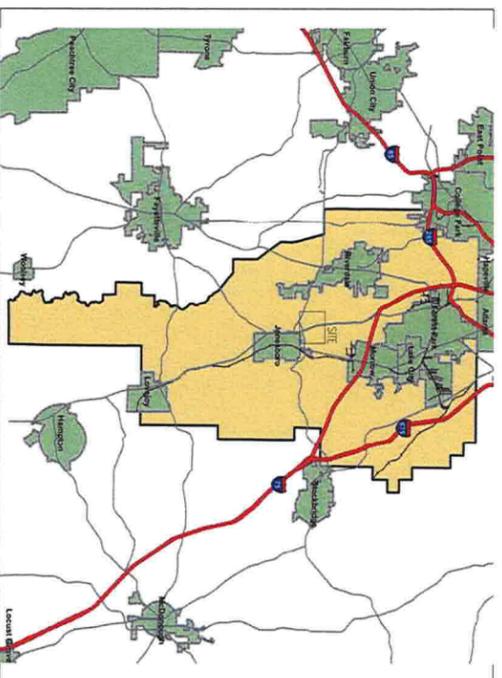
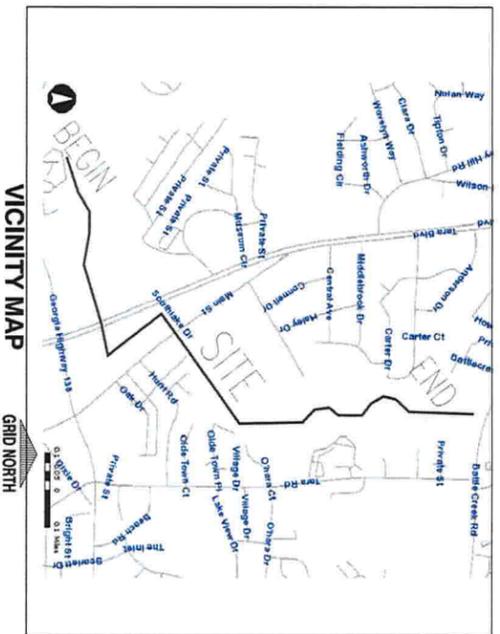


CONSTRUCTION PLAN FOR JESTERS CREEK EAST OUTFALL REPLACEMENT PHASE ONE



DRAWING #	TITLE	STATIONS	SHEET #
C-1	COVER SHEET	0+00 TO 41+00	1
S-1	SITE PLAN	30+00 TO 63+00	2
S-2	SITE PLAN	53+00 TO 89+41.59	3
S-3	SITE PLAN	0+00 TO 15+000	4
P-1	PLAN & PROFILE	15+00 TO 31+00	5
P-2	PLAN & PROFILE	31+00 TO 46+00	6
P-3	PLAN & PROFILE	46+00 TO 60+50	7
P-4	PLAN & PROFILE	60+50 TO 75+00	8
P-5	PLAN & PROFILE	75+00 TO 90+03	9
P-6	DEMOLITION PLAN	0+00 TO 31+00	10
P-7	DEMOLITION PLAN	31+00 TO 60+50	11
P-8	DEMOLITION PLAN	60+50 TO 89+64	12
P-9	DEMOLITION PLAN	89+64 TO 100+00	13
P-10	CONSTRUCTION DETAILS	0+00 TO 23+00	14
ES-1	EROSION CONTROL PLAN	23+00 TO 47+50	15
ES-2	EROSION CONTROL PLAN	47+50 TO 67+50	16
ES-3	EROSION CONTROL PLAN	67+50 TO 89+64	17
ES-4	EROSION CONTROL PLAN	89+64 TO 100+00	18
ES-5	EROSION CONTROL DETAILS		19
ES-6	NPDES SAMPLING AND BASIN MAP		20
ES-7	EROSION CONTROL NPDES NOTES		21

CONSTRUCTION SCHEDULE

ITEM	JUNE/19	JULY/19	AUG/19	SEPT/19	OCT/19	NOV/19	DEC/19	JAN/20	FEB/20	MAR/20	APRIL/20	MAY/20	JUNE/20			
INSTALL EROSION CONTROL	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
EROSION CONTROL MAINTENANCE																
UTILITY CONSTRUCTION & CLEARING																
REGASSING																

PLANS PREPARED BY:

CLAYTON COUNTY WATER AUTHORITY
1600 BATTLE CREEK ROAD
MORROW, GEORGIA 30260

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PROJECT NAME:

JESTERS CREEK EAST
OUTFALL REPLACEMENT
PHASE ONE

LAND LOTS 207, 208, 209, 210, 211, 14177
 DISTRICT 13 CLAYTON COUNTY, GEORGIA

SEAL:

REVISIONS:

DATE	NO.	REQUESTED BY:	DESCRIPTION:

SHEET TITLE: COVER SHEET

DESIGN BY:	DATE:	1-15-19
CCWA	JOB #:	81810
JRM	DRAWING #:	C-1
CHECKED BY:	SCALE:	N.T.S.
KW	SHEET NUMBER	1 OF 21



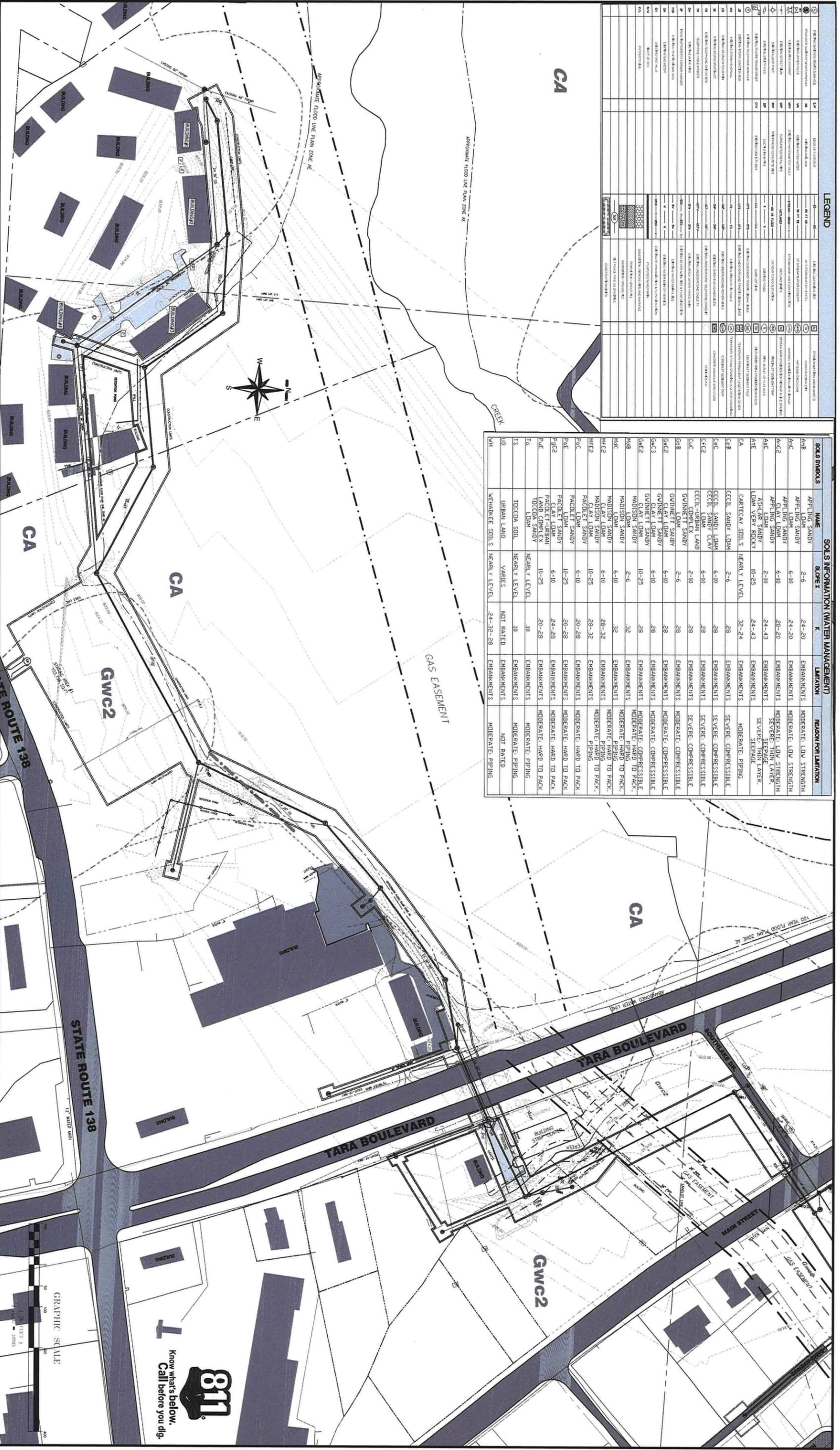
USGS TOPOGRAPHIC MAP: ATLANTA GA.
 MAP DATE: 1996
 SCALE: 1:5000

- GENERAL NOTES:**
- PROJECT PURPOSE: REPLACE EXISTING DETERIORATED 30x36-INCH SANITARY SEWER PIPES WITH 8.900 L.F. OF 36-INCH SANITARY SEWER PIPE AND COMPLETE ALL NECESSARY RE-CONNECTIONS.
 - OWNER/DEVELOPER: WATER AUTHORITY, 1600 BATTLE CREEK ROAD, MORROW, GEORGIA, 30260. OFFICE: (770) 961-2130. FAX: (770) 960-5229.
 - 24 HOUR CONTACT: CLAYTON COUNTY WATER AUTHORITY, GARFIELD W. COUSINS (CCWA), GSMCC#000076216, OFFICE (770) 502-3429, CELL (770) 852-7891, FAX (770) 502-3429.
 - THE WORK WILL START AT THE SEWER MAIN JUST TO THE WEST OF THE REAR OF THE BRIDGE CROSSING APARTMENTS LOCATED ON GA HIGHWAY 138, THEN HEAD NORTHEASTERLY TOWARD TARA BOULEVARD AND CROSSING AND TURNING NORTH TO SOUTHLAKE DRIVE THEN NORTHEAST TO A POINT NEAR THE REAR OF THE PROJECT AREA, THEN TURNING EAST TO BATTLE CREEK ROAD AND RUNNING NORTH TO BATTLE CREEK ROAD.
 - PROJECT DURING: CLAYTON COUNTY WATER AUTHORITY.
 - SITE VISIT: THE PROPOSED ROUTE AND IMMEDIATE VICINITY WAS VISITED BY THE PLAN DESIGNER ON AUGUST 29, 2018 PRIOR TO COMPLETING THE EROSION CONTROL PLAN.
 - TOTAL PROJECT AREA AND DISTURBED AREA: PROJECT AREA: 1,039,113 S.F. (23.85 ACRES). DISTURBED AREA: 993,625.45 S.F. (22.81 ACRES).
 - 100-YEAR FLOOD PLAIN: THIS PROJECT APPEARS TO CROSS IDENTIFIED 100 YEAR FLOOD HAZARD AREAS IN CLAYTON COUNTY THROUGHOUT THE PROJECT.
 - CLAYTON COUNTY FIRM, COMMUNITY PANELS: CLAYTON CO., PANEL NUMBER 130063C, 0098F, DATED JUNE 7, 2017.
 - WETLANDS: DELINEATION OF JURISDICTIONAL WATERS FOR THIS PROJECT WAS COMPLETED BY GOR ENVIRONMENTAL, INC. IN DEC. OF 2018. BASED ON THE RESULTS OF THE DELINEATION THE PROJECT ROUTE APPEARS TO CROSS JURISDICTIONAL WATERS. (SEE PAGES 15 THROUGH 19).
 - THE OWNER/DEVELOPER AND ENGINEER HAVE REVIEWED THE APPROPRIATE LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING DEVELOPMENT ACTIVITIES ADJACENT TO FLOODPLAINS, STATE WATERS, AND WETLANDS AND HAVE DETERMINED THAT THIS DEVELOPMENT PLAN SATISFIES THE STANDARDS PRESENTED IN APPLICABLE REGULATIONS.
 - U.S. ARMY CORPS OF ENGINEERS: A PRE-CONSTRUCTION NOTIFICATION HAS BEEN SUBMITTED TO THE U.S.A.C.O.E.
 - NPDES MONITORING: STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY SHALL BE MONITORED AS PART OF THIS PROJECT.
 - STATE WATERS: BASED ON VISUAL RECONNAISSANCE ON AUGUST 29, 2018, THE PROJECT ROUTE DOES APPEAR TO CROSS STATE WATERS.
 - STATE PLANE COORDINATE SYSTEM: THE CONSTRUCTION DRAWINGS WERE PREPARED USING THE FOLLOWING COORDINATE SYSTEMS: NORTH AMERICAN DATUM 83/94 HORIZONTAL CONTROL, NORTH AMERICAN DATUM 83/94 VERTICAL CONTROL. GEORGIA WEST 1002. GRID ZONE: 18Q.



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①	EXISTING BUILDING FOOTPRINT
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SOILS INFORMATION (WATER MANAGEMENT)				
SOILS SYMBOLS	NAME	SLOPE %	K	LIMITATION
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ANL	APPELL LOAM SANDY	6-10	24-20	EMBANKMENTS
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CLAYTON COUNTY WATER AUTHORITY
1600 BATTLE CREEK ROAD
MORROW, GEORGIA 30260

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PROJECT NAME:
JESTERS CREEK EAST
OUTFALL REPLACEMENT
PHASE ONE

LAND LOTS 207,208,209,210,211&177
DISTRICT 13 CLAYTON COUNTY, GEORGIA

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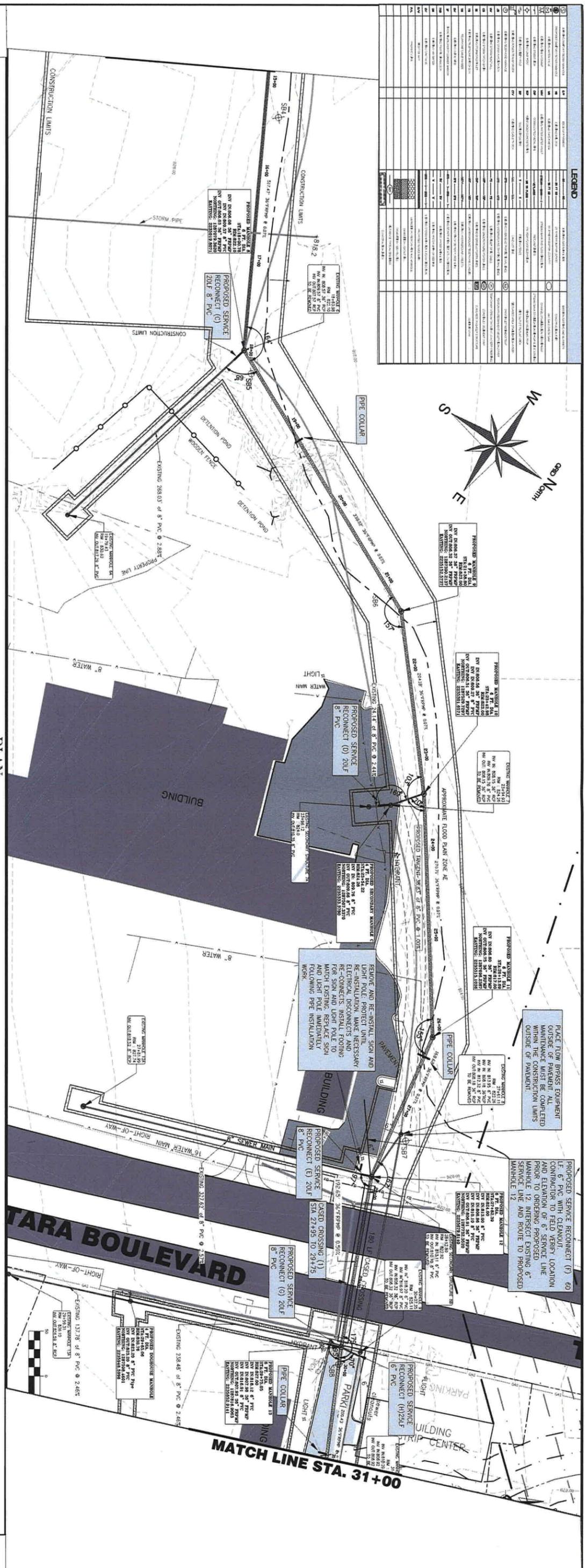
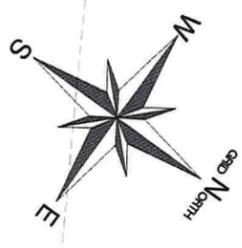
LEGEND

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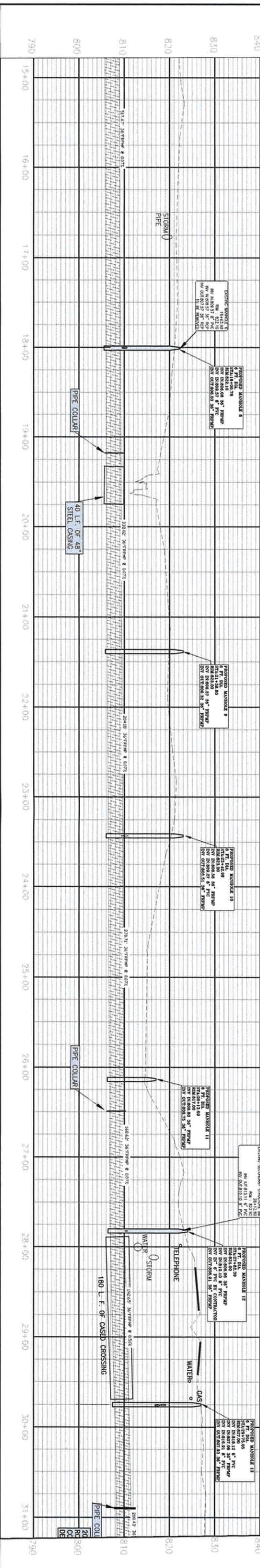
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ANL52	APPELL SANDY	2-10	24-43	EMBANKMENTS
ANL53				

LEGEND	
1	PROPOSED SERVICE RECONNECT (F) 60" LF 6" PVC WITH CLEANOUT
2	PROPOSED SERVICE RECONNECT (G) 20' LF 8" PVC
3	PROPOSED SERVICE RECONNECT (H) 25' LF 6" PVC
4	PROPOSED SERVICE RECONNECT (I) 20' LF 8" PVC
5	PROPOSED SERVICE RECONNECT (J) 20' LF 8" PVC
6	PROPOSED SERVICE RECONNECT (K) 20' LF 8" PVC
7	PROPOSED SERVICE RECONNECT (L) 20' LF 8" PVC
8	PROPOSED SERVICE RECONNECT (M) 20' LF 8" PVC
9	PROPOSED SERVICE RECONNECT (N) 20' LF 8" PVC
10	PROPOSED SERVICE RECONNECT (O) 20' LF 8" PVC
11	PROPOSED SERVICE RECONNECT (P) 20' LF 8" PVC
12	PROPOSED SERVICE RECONNECT (Q) 20' LF 8" PVC
13	PROPOSED SERVICE RECONNECT (R) 20' LF 8" PVC
14	PROPOSED SERVICE RECONNECT (S) 20' LF 8" PVC
15	PROPOSED SERVICE RECONNECT (T) 20' LF 8" PVC
16	PROPOSED SERVICE RECONNECT (U) 20' LF 8" PVC
17	PROPOSED SERVICE RECONNECT (V) 20' LF 8" PVC
18	PROPOSED SERVICE RECONNECT (W) 20' LF 8" PVC
19	PROPOSED SERVICE RECONNECT (X) 20' LF 8" PVC
20	PROPOSED SERVICE RECONNECT (Y) 20' LF 8" PVC
21	PROPOSED SERVICE RECONNECT (Z) 20' LF 8" PVC
22	PROPOSED SERVICE RECONNECT (AA) 20' LF 8" PVC
23	PROPOSED SERVICE RECONNECT (AB) 20' LF 8" PVC
24	PROPOSED SERVICE RECONNECT (AC) 20' LF 8" PVC
25	PROPOSED SERVICE RECONNECT (AD) 20' LF 8" PVC
26	PROPOSED SERVICE RECONNECT (AE) 20' LF 8" PVC
27	PROPOSED SERVICE RECONNECT (AF) 20' LF 8" PVC
28	PROPOSED SERVICE RECONNECT (AG) 20' LF 8" PVC
29	PROPOSED SERVICE RECONNECT (AH) 20' LF 8" PVC
30	PROPOSED SERVICE RECONNECT (AI) 20' LF 8" PVC
31	PROPOSED SERVICE RECONNECT (AJ) 20' LF 8" PVC
32	PROPOSED SERVICE RECONNECT (AK) 20' LF 8" PVC
33	PROPOSED SERVICE RECONNECT (AL) 20' LF 8" PVC
34	PROPOSED SERVICE RECONNECT (AM) 20' LF 8" PVC
35	PROPOSED SERVICE RECONNECT (AN) 20' LF 8" PVC
36	PROPOSED SERVICE RECONNECT (AO) 20' LF 8" PVC
37	PROPOSED SERVICE RECONNECT (AP) 20' LF 8" PVC
38	PROPOSED SERVICE RECONNECT (AQ) 20' LF 8" PVC
39	PROPOSED SERVICE RECONNECT (AR) 20' LF 8" PVC
40	PROPOSED SERVICE RECONNECT (AS) 20' LF 8" PVC
41	PROPOSED SERVICE RECONNECT (AT) 20' LF 8" PVC
42	PROPOSED SERVICE RECONNECT (AU) 20' LF 8" PVC
43	PROPOSED SERVICE RECONNECT (AV) 20' LF 8" PVC
44	PROPOSED SERVICE RECONNECT (AW) 20' LF 8" PVC
45	PROPOSED SERVICE RECONNECT (AX) 20' LF 8" PVC
46	PROPOSED SERVICE RECONNECT (AY) 20' LF 8" PVC
47	PROPOSED SERVICE RECONNECT (AZ) 20' LF 8" PVC
48	PROPOSED SERVICE RECONNECT (BA) 20' LF 8" PVC
49	PROPOSED SERVICE RECONNECT (BB) 20' LF 8" PVC
50	PROPOSED SERVICE RECONNECT (BC) 20' LF 8" PVC
51	PROPOSED SERVICE RECONNECT (BD) 20' LF 8" PVC
52	PROPOSED SERVICE RECONNECT (BE) 20' LF 8" PVC
53	PROPOSED SERVICE RECONNECT (BF) 20' LF 8" PVC
54	PROPOSED SERVICE RECONNECT (BG) 20' LF 8" PVC
55	PROPOSED SERVICE RECONNECT (BH) 20' LF 8" PVC
56	PROPOSED SERVICE RECONNECT (BI) 20' LF 8" PVC
57	PROPOSED SERVICE RECONNECT (BJ) 20' LF 8" PVC
58	PROPOSED SERVICE RECONNECT (BK) 20' LF 8" PVC
59	PROPOSED SERVICE RECONNECT (BL) 20' LF 8" PVC
60	PROPOSED SERVICE RECONNECT (BM) 20' LF 8" PVC
61	PROPOSED SERVICE RECONNECT (BN) 20' LF 8" PVC
62	PROPOSED SERVICE RECONNECT (BO) 20' LF 8" PVC
63	PROPOSED SERVICE RECONNECT (BP) 20' LF 8" PVC
64	PROPOSED SERVICE RECONNECT (BQ) 20' LF 8" PVC
65	PROPOSED SERVICE RECONNECT (BR) 20' LF 8" PVC
66	PROPOSED SERVICE RECONNECT (BS) 20' LF 8" PVC
67	PROPOSED SERVICE RECONNECT (BT) 20' LF 8" PVC
68	PROPOSED SERVICE RECONNECT (BU) 20' LF 8" PVC
69	PROPOSED SERVICE RECONNECT (BV) 20' LF 8" PVC
70	PROPOSED SERVICE RECONNECT (BW) 20' LF 8" PVC
71	PROPOSED SERVICE RECONNECT (BX) 20' LF 8" PVC
72	PROPOSED SERVICE RECONNECT (BY) 20' LF 8" PVC
73	PROPOSED SERVICE RECONNECT (BZ) 20' LF 8" PVC
74	PROPOSED SERVICE RECONNECT (C0) 20' LF 8" PVC
75	PROPOSED SERVICE RECONNECT (C1) 20' LF 8" PVC
76	PROPOSED SERVICE RECONNECT (C2) 20' LF 8" PVC
77	PROPOSED SERVICE RECONNECT (C3) 20' LF 8" PVC
78	PROPOSED SERVICE RECONNECT (C4) 20' LF 8" PVC
79	PROPOSED SERVICE RECONNECT (C5) 20' LF 8" PVC
80	PROPOSED SERVICE RECONNECT (C6) 20' LF 8" PVC
81	PROPOSED SERVICE RECONNECT (C7) 20' LF 8" PVC
82	PROPOSED SERVICE RECONNECT (C8) 20' LF 8" PVC
83	PROPOSED SERVICE RECONNECT (C9) 20' LF 8" PVC
84	PROPOSED SERVICE RECONNECT (CA) 20' LF 8" PVC
85	PROPOSED SERVICE RECONNECT (CB) 20' LF 8" PVC
86	PROPOSED SERVICE RECONNECT (CC) 20' LF 8" PVC
87	PROPOSED SERVICE RECONNECT (CD) 20' LF 8" PVC
88	PROPOSED SERVICE RECONNECT (CE) 20' LF 8" PVC
89	PROPOSED SERVICE RECONNECT (CF) 20' LF 8" PVC
90	PROPOSED SERVICE RECONNECT (CG) 20' LF 8" PVC
91	PROPOSED SERVICE RECONNECT (CH) 20' LF 8" PVC
92	PROPOSED SERVICE RECONNECT (CI) 20' LF 8" PVC
93	PROPOSED SERVICE RECONNECT (CJ) 20' LF 8" PVC
94	PROPOSED SERVICE RECONNECT (CK) 20' LF 8" PVC
95	PROPOSED SERVICE RECONNECT (CL) 20' LF 8" PVC
96	PROPOSED SERVICE RECONNECT (CM) 20' LF 8" PVC
97	PROPOSED SERVICE RECONNECT (CN) 20' LF 8" PVC
98	PROPOSED SERVICE RECONNECT (CO) 20' LF 8" PVC
99	PROPOSED SERVICE RECONNECT (CP) 20' LF 8" PVC
100	PROPOSED SERVICE RECONNECT (CQ) 20' LF 8" PVC
101	PROPOSED SERVICE RECONNECT (CR) 20' LF 8" PVC
102	PROPOSED SERVICE RECONNECT (CS) 20' LF 8" PVC
103	PROPOSED SERVICE RECONNECT (CT) 20' LF 8" PVC
104	PROPOSED SERVICE RECONNECT (CU) 20' LF 8" PVC
105	PROPOSED SERVICE RECONNECT (CV) 20' LF 8" PVC
106	PROPOSED SERVICE RECONNECT (CW) 20' LF 8" PVC
107	PROPOSED SERVICE RECONNECT (CX) 20' LF 8" PVC
108	PROPOSED SERVICE RECONNECT (CY) 20' LF 8" PVC
109	PROPOSED SERVICE RECONNECT (CZ) 20' LF 8" PVC
110	PROPOSED SERVICE RECONNECT (D0) 20' LF 8" PVC
111	PROPOSED SERVICE RECONNECT (D1) 20' LF 8" PVC
112	PROPOSED SERVICE RECONNECT (D2) 20' LF 8" PVC
113	PROPOSED SERVICE RECONNECT (D3) 20' LF 8" PVC
114	PROPOSED SERVICE RECONNECT (D4) 20' LF 8" PVC
115	PROPOSED SERVICE RECONNECT (D5) 20' LF 8" PVC
116	PROPOSED SERVICE RECONNECT (D6) 20' LF 8" PVC
117	PROPOSED SERVICE RECONNECT (D7) 20' LF 8" PVC
118	PROPOSED SERVICE RECONNECT (D8) 20' LF 8" PVC
119	PROPOSED SERVICE RECONNECT (D9) 20' LF 8" PVC
120	PROPOSED SERVICE RECONNECT (DA) 20' LF 8" PVC
121	PROPOSED SERVICE RECONNECT (DB) 20' LF 8" PVC
122	PROPOSED SERVICE RECONNECT (DC) 20' LF 8" PVC
123	PROPOSED SERVICE RECONNECT (DD) 20' LF 8" PVC
124	PROPOSED SERVICE RECONNECT (DE) 20' LF 8" PVC
125	PROPOSED SERVICE RECONNECT (DE)



-PLAN-
 SCALE: 1" = 50'
-PROFILE-
 SCALE: HORIZ 1" = 50'
 SCALE: VERT 1" = 10'

SLOPES AND TANGENT LENGTHS ARE CALCULATED FROM CENTER OF MANHOLES.



PLANS PREPARED BY:

CLAYTON COUNTY WATER AUTHORITY
1600 BATTLE CREEK ROAD
MORROW, GEORGIA 30260

PROJECT NAME:

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JESTERS CREEK EAST
OUTFALL REPLACEMENT
PHASE ONE
 LAND LOTS 207,208,209,210&211 DISTRICT
 13 CLAYTON COUNTY, GEORGIA

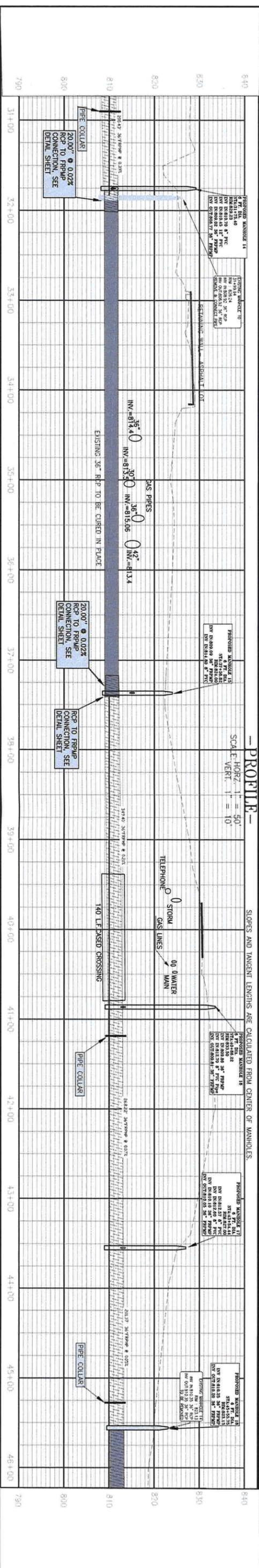
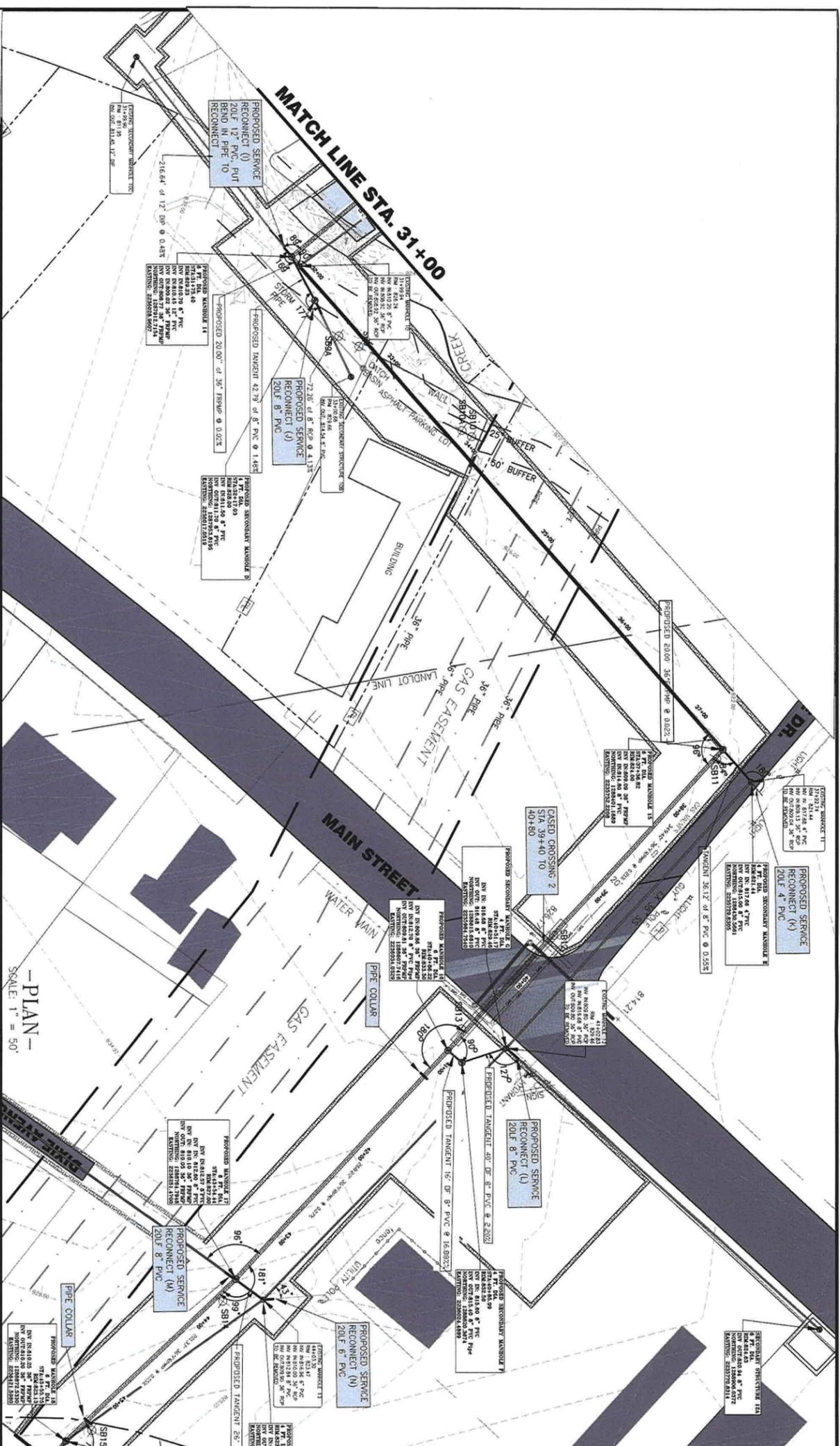
REVISIONS:

DATE:	NO.:	REQUESTED BY:	DESCRIPTION:

SHEET TITLE: PLAN & PROFILE

DESIGN BY:	CCWA	DATE:	1-15-19
DRAWN BY:	JRM	JOB #:	81810
CHECKED BY:	JRM	DRAWING #:	P-2
		SCALE:	1"=50'
		SHEET NUMBER	6 OF 21

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(Symbol)	PROPOSED SERVICE RECONNECT (S)	(Symbol)	EXISTING SERVICE (S)
(Symbol)	PROPOSED SERVICE RECONNECT (M)	(Symbol)	EXISTING SERVICE (M)
(Symbol)	PROPOSED SERVICE RECONNECT (N)	(Symbol)	EXISTING SERVICE (N)
(Symbol)	PROPOSED SERVICE RECONNECT (I)	(Symbol)	EXISTING SERVICE (I)
(Symbol)	PROPOSED SERVICE RECONNECT (L)	(Symbol)	EXISTING SERVICE (L)
(Symbol)	PROPOSED SERVICE RECONNECT (U)	(Symbol)	EXISTING SERVICE (U)
(Symbol)	PROPOSED SERVICE RECONNECT (D)	(Symbol)	EXISTING SERVICE (D)
(Symbol)	PROPOSED SERVICE RECONNECT (O)	(Symbol)	EXISTING SERVICE (O)
(Symbol)	PROPOSED SERVICE RECONNECT (A)	(Symbol)	EXISTING SERVICE (A)
(Symbol)	PROPOSED SERVICE RECONNECT (B)	(Symbol)	EXISTING SERVICE (B)
(Symbol)	PROPOSED SERVICE RECONNECT (C)	(Symbol)	EXISTING SERVICE (C)
(Symbol)	PROPOSED SERVICE RECONNECT (E)	(Symbol)	EXISTING SERVICE (E)
(Symbol)	PROPOSED SERVICE RECONNECT (F)	(Symbol)	EXISTING SERVICE (F)
(Symbol)	PROPOSED SERVICE RECONNECT (G)	(Symbol)	EXISTING SERVICE (G)
(Symbol)	PROPOSED SERVICE RECONNECT (H)	(Symbol)	EXISTING SERVICE (H)
(Symbol)	PROPOSED SERVICE RECONNECT (J)	(Symbol)	EXISTING SERVICE (J)
(Symbol)	PROPOSED SERVICE RECONNECT (K)	(Symbol)	EXISTING SERVICE (K)
(Symbol)	PROPOSED SERVICE RECONNECT (P)	(Symbol)	EXISTING SERVICE (P)
(Symbol)	PROPOSED SERVICE RECONNECT (Q)	(Symbol)	EXISTING SERVICE (Q)
(Symbol)	PROPOSED SERVICE RECONNECT (R)	(Symbol)	EXISTING SERVICE (R)
(Symbol)	PROPOSED SERVICE RECONNECT (T)	(Symbol)	EXISTING SERVICE (T)
(Symbol)	PROPOSED SERVICE RECONNECT (V)	(Symbol)	EXISTING SERVICE (V)
(Symbol)	PROPOSED SERVICE RECONNECT (W)	(Symbol)	EXISTING SERVICE (W)
(Symbol)	PROPOSED SERVICE RECONNECT (X)	(Symbol)	EXISTING SERVICE (X)
(Symbol)	PROPOSED SERVICE RECONNECT (Y)	(Symbol)	EXISTING SERVICE (Y)
(Symbol)	PROPOSED SERVICE RECONNECT (Z)	(Symbol)	EXISTING SERVICE (Z)



PLANS PREPARED BY:
CLAYTON COUNTY WATER AUTHORITY
1600 BATTLE CREEK ROAD
MORROW, GEORGIA 30260

PROJECT NAME:
JESTERS CREEK EAST
OUTFALL REPLACEMENT
PHASE ONE

LAND LOTS 207,208,209,210&211 DISTRICT
 13 CLAYTON COUNTY, GEORGIA

REVISIONS:

DATE	NO.	REQUESTED BY:	DESCRIPTION:

SHEET TITLE: PLAN & PROFILE

DESIGN BY: CGWA **DATE:** 1-15-19

DRAWN BY: JRM **JOB #:** 81810

CHECKED BY: JRM **DRAWING #:** P-3

SCALE: 1"=50'

SHEET NUMBER: 7 **OF** 21



CLAYTON COUNTY WATER AUTHORITY
 1600 BATTLE CREEK ROAD
 MORROW, GEORGIA 30260

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JESTERS CREEK EAST
OUTFALL REPLACEMENT
PHASE ONE

LAND LOTS 207,208,209,210&211 DISTRICT
 13 CLAYTON COUNTY, GEORGIA

REVISIONS:

DATE	NO.	REQUESTED BY:	DESCRIPTION:

SHEET TITLE: PLAN & PROFILE

DESIGN BY: CGWA **DATE:** 1-15-19

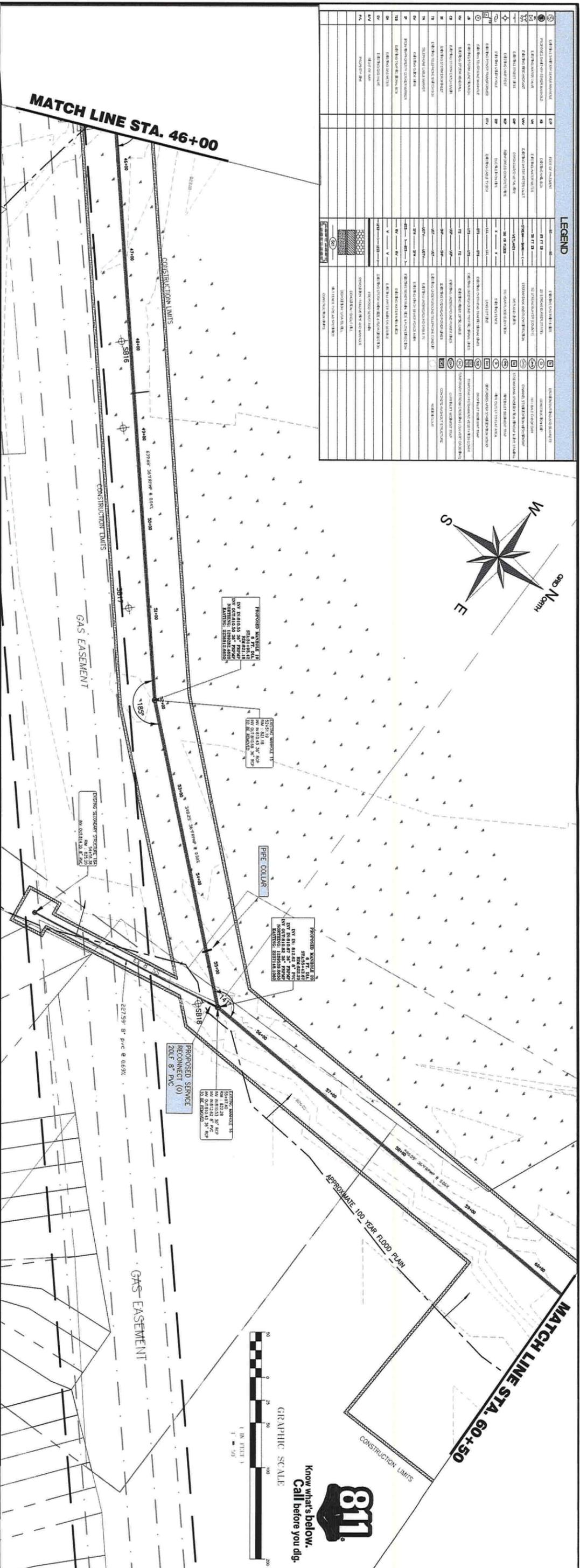
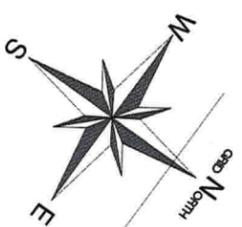
DRAWN BY: JRM **JOB #:** 81810

CHECKED BY: JRM **DRAWING #:** P-3

SCALE: 1"=50'

SHEET NUMBER: 7 **OF** 21

LEGEND	
1	EXISTING ROAD CENTERLINE
2	EXISTING ROAD RIGHT-OF-WAY
3	EXISTING ROAD LEFT-OF-WAY
4	EXISTING ROAD SURFACE
5	EXISTING ROAD DRAINAGE
6	EXISTING ROAD CURB
7	EXISTING ROAD SIDEWALK
8	EXISTING ROAD UTILITY
9	EXISTING ROAD FENCE
10	EXISTING ROAD LIGHT
11	EXISTING ROAD SIGN
12	EXISTING ROAD TREE
13	EXISTING ROAD BUSH
14	EXISTING ROAD GRASS
15	EXISTING ROAD SAND
16	EXISTING ROAD GRAVEL
17	EXISTING ROAD ASPHALT
18	EXISTING ROAD CONCRETE
19	EXISTING ROAD BRICK
20	EXISTING ROAD STONE
21	EXISTING ROAD MUD
22	EXISTING ROAD SLUDGE
23	EXISTING ROAD SLOTTED SAND
24	EXISTING ROAD SAND AND GRAVEL
25	EXISTING ROAD GRAVEL AND SAND
26	EXISTING ROAD SAND AND SILT
27	EXISTING ROAD SILT AND SAND
28	EXISTING ROAD SILT AND CLAY
29	EXISTING ROAD CLAY AND SILT
30	EXISTING ROAD CLAY
31	EXISTING ROAD SILT
32	EXISTING ROAD SAND
33	EXISTING ROAD GRAVEL
34	EXISTING ROAD ASPHALT
35	EXISTING ROAD CONCRETE
36	EXISTING ROAD BRICK
37	EXISTING ROAD STONE
38	EXISTING ROAD MUD
39	EXISTING ROAD SLUDGE
40	EXISTING ROAD SLOTTED SAND
41	EXISTING ROAD SAND AND GRAVEL
42	EXISTING ROAD GRAVEL AND SAND
43	EXISTING ROAD SAND AND SILT
44	EXISTING ROAD SILT AND SAND
45	EXISTING ROAD SILT AND CLAY
46	EXISTING ROAD CLAY AND SILT
47	EXISTING ROAD CLAY
48	EXISTING ROAD SILT
49	EXISTING ROAD SAND
50	EXISTING ROAD GRAVEL
51	EXISTING ROAD ASPHALT
52	EXISTING ROAD CONCRETE
53	EXISTING ROAD BRICK
54	EXISTING ROAD STONE
55	EXISTING ROAD MUD
56	EXISTING ROAD SLUDGE
57	EXISTING ROAD SLOTTED SAND
58	EXISTING ROAD SAND AND GRAVEL
59	EXISTING ROAD GRAVEL AND SAND
60	EXISTING ROAD SAND AND SILT
61	EXISTING ROAD SILT AND SAND
62	EXISTING ROAD SILT AND CLAY
63	EXISTING ROAD CLAY AND SILT
64	EXISTING ROAD CLAY
65	EXISTING ROAD SILT
66	EXISTING ROAD SAND
67	EXISTING ROAD GRAVEL
68	EXISTING ROAD ASPHALT
69	EXISTING ROAD CONCRETE
70	EXISTING ROAD BRICK
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77	EXISTING ROAD SAND AND SILT
78	EXISTING ROAD SILT AND SAND
79	EXISTING ROAD SILT AND CLAY
80	EXISTING ROAD CLAY AND SILT
81	EXISTING ROAD CLAY
82	EXISTING ROAD SILT
83	EXISTING ROAD SAND
84	EXISTING ROAD GRAVEL
85	EXISTING ROAD ASPHALT
86	EXISTING ROAD CONCRETE
87	EXISTING ROAD BRICK
88	EXISTING ROAD STONE
89	EXISTING ROAD MUD
90	EXISTING ROAD SLUDGE
91	EXISTING ROAD SLOTTED SAND
92	EXISTING ROAD SAND AND GRAVEL
93	EXISTING ROAD GRAVEL AND SAND
94	EXISTING ROAD SAND AND SILT
95	EXISTING ROAD SILT AND SAND
96	EXISTING ROAD SILT AND CLAY
97	EXISTING ROAD CLAY AND SILT
98	EXISTING ROAD CLAY
99	EXISTING ROAD SILT
100	EXISTING ROAD SAND

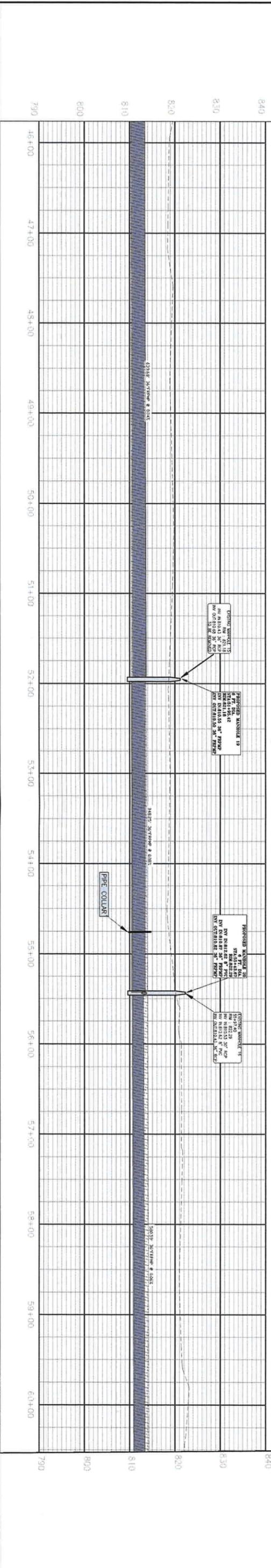


Know what's below.
Call before you dig.

GRAPHIC SCALE
1" = 50'

—PLAN—
SCALE: 1" = 50'
—PROFILE—
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'

SLOPES AND TANGENT LENGTHS ARE CALCULATED FROM CENTER OF MANHOLES.



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1600 BATTLE CREEK ROAD
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LAND LOTS 207, 208, 209, 210 & 211 DISTRICT
13 CLAYTON COUNTY, GEORGIA

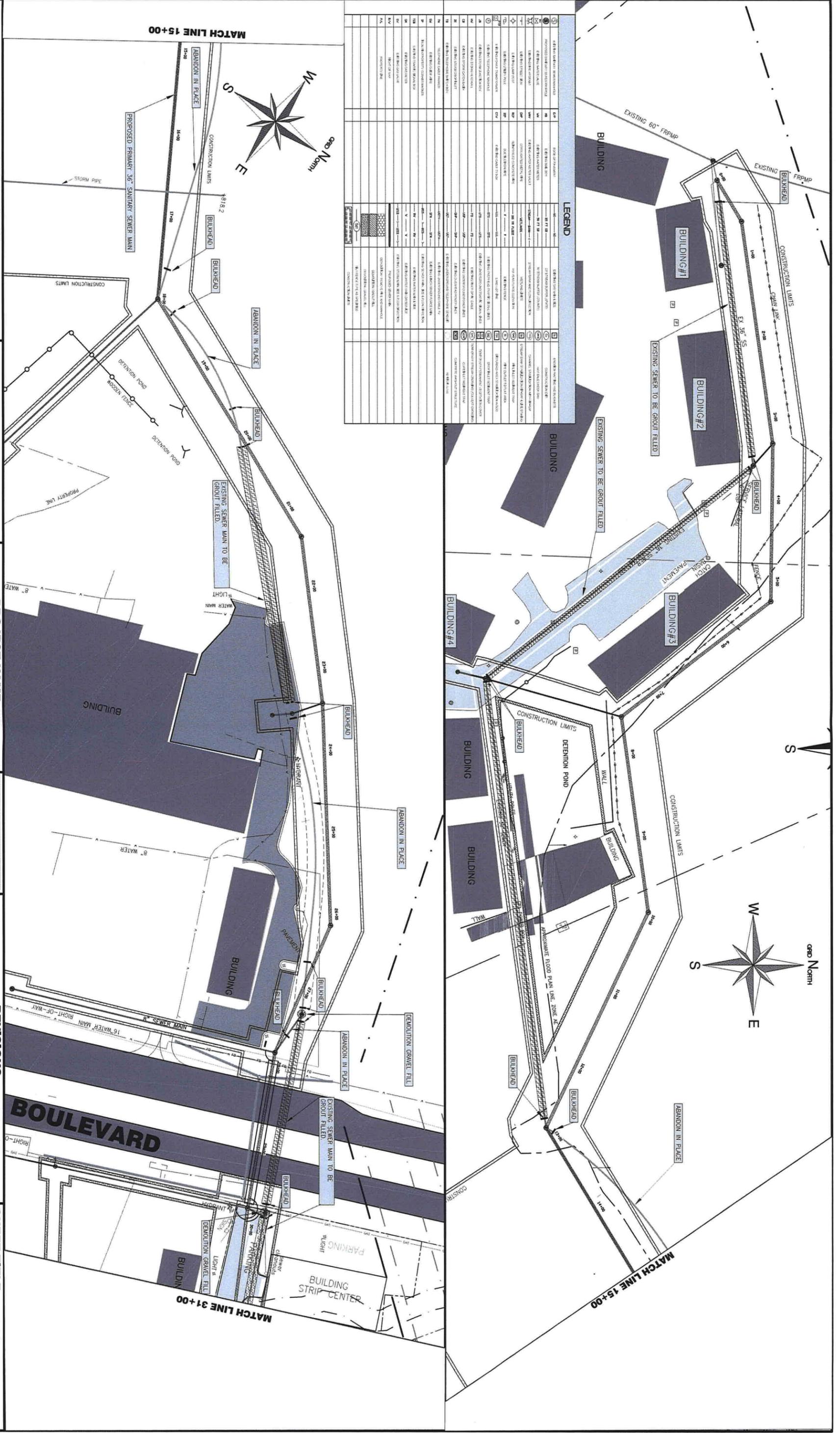
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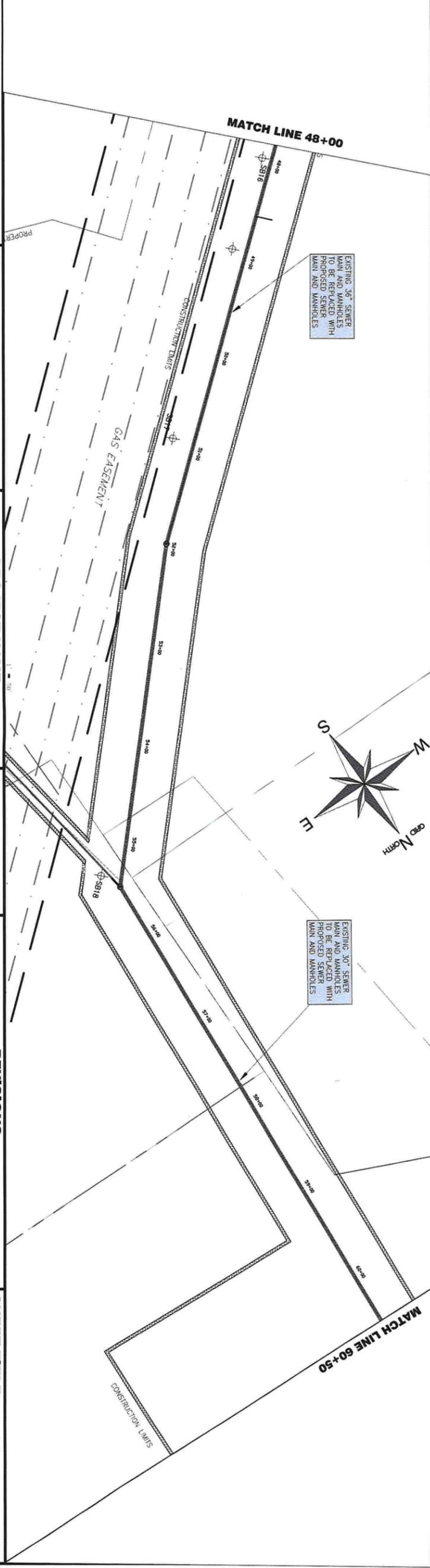
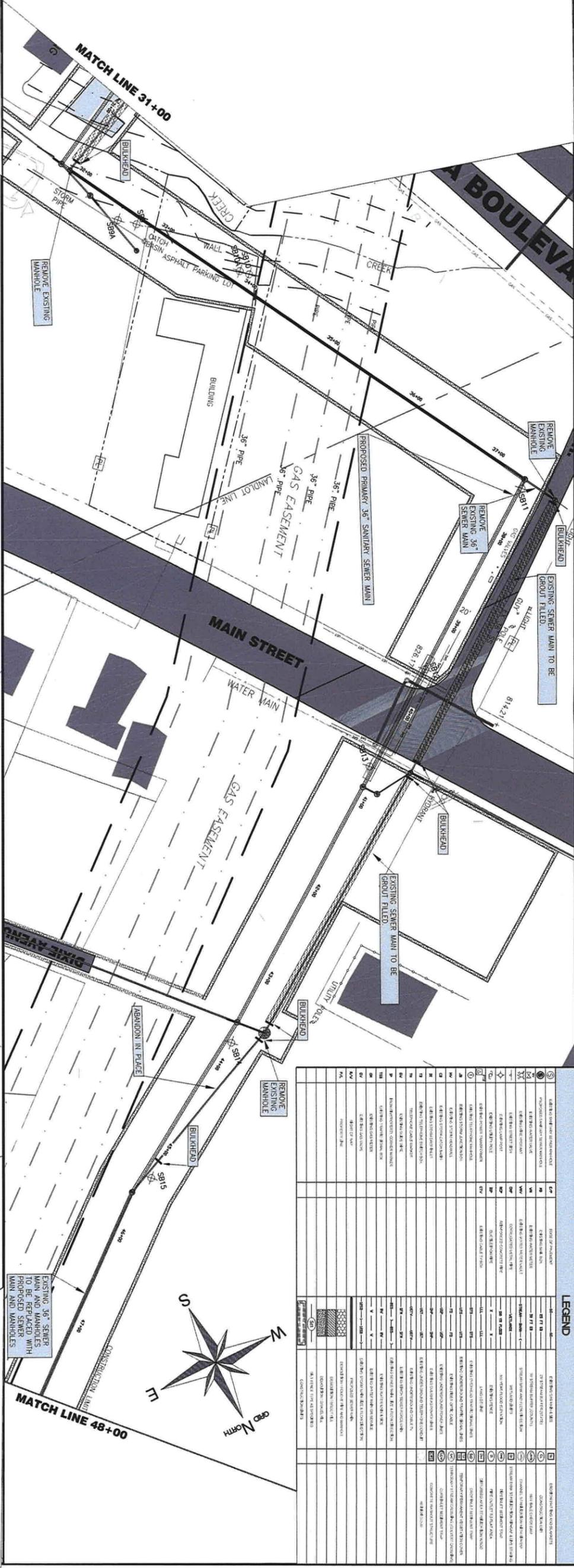
DATE	NO.	REQUESTED BY:	DESCRIPTION:

SHEET TITLE: PLAN & PROFILE

DESIGN BY:	CCWA	DATE:	1-15-19
DRAWN BY:	JRM	JOB #:	81810
CHECKED BY:	JRM	DRAWING #:	P-4
SHEET NUMBER	8	SCALE:	1"=50'
OF	21	SHEET NUMBER	8

EXISTING UTILITIES		PROPOSED UTILITIES	
1	EXISTING 60" FRMP	1	EXISTING 60" FRMP
2	EXISTING 36" SS	2	EXISTING 36" SS
3	EXISTING 36" SANITARY SEWER MAIN	3	EXISTING 36" SANITARY SEWER MAIN
4	EXISTING 18" WATER MAIN	4	EXISTING 18" WATER MAIN
5	EXISTING 12" WATER MAIN	5	EXISTING 12" WATER MAIN
6	EXISTING 8" WATER MAIN	6	EXISTING 8" WATER MAIN
7	EXISTING 6" WATER MAIN	7	EXISTING 6" WATER MAIN
8	EXISTING 4" WATER MAIN	8	EXISTING 4" WATER MAIN
9	EXISTING 3" WATER MAIN	9	EXISTING 3" WATER MAIN
10	EXISTING 2" WATER MAIN	10	EXISTING 2" WATER MAIN
11	EXISTING 1.5" WATER MAIN	11	EXISTING 1.5" WATER MAIN
12	EXISTING 1" WATER MAIN	12	EXISTING 1" WATER MAIN
13	EXISTING 0.75" WATER MAIN	13	EXISTING 0.75" WATER MAIN
14	EXISTING 0.5" WATER MAIN	14	EXISTING 0.5" WATER MAIN
15	EXISTING 0.25" WATER MAIN	15	EXISTING 0.25" WATER MAIN
16	EXISTING 0.125" WATER MAIN	16	EXISTING 0.125" WATER MAIN
17	EXISTING 0.0625" WATER MAIN	17	EXISTING 0.0625" WATER MAIN
18	EXISTING 0.03125" WATER MAIN	18	EXISTING 0.03125" WATER MAIN
19	EXISTING 0.015625" WATER MAIN	19	EXISTING 0.015625" WATER MAIN
20	EXISTING 0.0078125" WATER MAIN	20	EXISTING 0.0078125" WATER MAIN
21	EXISTING 0.00390625" WATER MAIN	21	EXISTING 0.00390625" WATER MAIN
22	EXISTING 0.001953125" WATER MAIN	22	EXISTING 0.001953125" WATER MAIN
23	EXISTING 0.0009765625" WATER MAIN	23	EXISTING 0.0009765625" WATER MAIN
24	EXISTING 0.00048828125" WATER MAIN	24	EXISTING 0.00048828125" WATER MAIN
25	EXISTING 0.000244140625" WATER MAIN	25	EXISTING 0.000244140625" WATER MAIN
26	EXISTING 0.0001220703125" WATER MAIN	26	EXISTING 0.0001220703125" WATER MAIN
27	EXISTING 0.00006103515625" WATER MAIN	27	EXISTING 0.00006103515625" WATER MAIN
28	EXISTING 0.000030517578125" WATER MAIN	28	EXISTING 0.000030517578125" WATER MAIN
29	EXISTING 0.0000152587890625" WATER MAIN	29	EXISTING 0.0000152587890625" WATER MAIN
30	EXISTING 0.00000762939453125" WATER MAIN	30	EXISTING 0.00000762939453125" WATER MAIN
31	EXISTING 0.000003814697265625" WATER MAIN	31	EXISTING 0.000003814697265625" WATER MAIN
32	EXISTING 0.0000019073486328125" WATER MAIN	32	EXISTING 0.0000019073486328125" WATER MAIN
33	EXISTING 0.00000095367431640625" WATER MAIN	33	EXISTING 0.00000095367431640625" WATER MAIN
34	EXISTING 0.000000476837158203125" WATER MAIN	34	EXISTING 0.000000476837158203125" WATER MAIN
35	EXISTING 0.0000002384185791015625" WATER MAIN	35	EXISTING 0.0000002384185791015625" WATER MAIN
36	EXISTING 0.00000011920928955078125" WATER MAIN	36	EXISTING 0.00000011920928955078125" WATER MAIN
37	EXISTING 0.000000059604644775390625" WATER MAIN	37	EXISTING 0.000000059604644775390625" WATER MAIN
38	EXISTING 0.0000000298023223876953125" WATER MAIN	38	EXISTING 0.0000000298023223876953125" WATER MAIN
39	EXISTING 0.00000001490116119384765625" WATER MAIN	39	EXISTING 0.00000001490116119384765625" WATER MAIN
40	EXISTING 0.000000007450580596923828125" WATER MAIN	40	EXISTING 0.000000007450580596923828125" WATER MAIN
41	EXISTING 0.0000000037252902984619140625" WATER MAIN	41	EXISTING 0.0000000037252902984619140625" WATER MAIN
42	EXISTING 0.00000000186264514923095703125" WATER MAIN	42	EXISTING 0.00000000186264514923095703125" WATER MAIN
43	EXISTING 0.000000000931322574615478515625" WATER MAIN	43	EXISTING 0.000000000931322574615478515625" WATER MAIN
44	EXISTING 0.0000000004656612873077392578125" WATER MAIN	44	EXISTING 0.0000000004656612873077392578125" WATER MAIN
45	EXISTING 0.00000000023283064365386962890625" WATER MAIN	45	EXISTING 0.00000000023283064365386962890625" WATER MAIN
46	EXISTING 0.000000000116415321826934814453125" WATER MAIN	46	EXISTING 0.000000000116415321826934814453125" WATER MAIN
47	EXISTING 0.00000000005820766091346740717265625" WATER MAIN	47	EXISTING 0.00000000005820766091346740717265625" WATER MAIN
48	EXISTING 0.000000000029103830456733703586328125" WATER MAIN	48	EXISTING 0.000000000029103830456733703586328125" WATER MAIN
49	EXISTING 0.00000000001455191522836685179291640625" WATER MAIN	49	EXISTING 0.00000000001455191522836685179291640625" WATER MAIN
50	EXISTING 0.000000000007275957614183425896453125" WATER MAIN	50	EXISTING 0.000000000007275957614183425896453125" WATER MAIN
51	EXISTING 0.0000000000036379788070917121472265625" WATER MAIN	51	EXISTING 0.0000000000036379788070917121472265625" WATER MAIN
52	EXISTING 0.00000000000181898940354585607361928125" WATER MAIN	52	EXISTING 0.00000000000181898940354585607361928125" WATER MAIN
53	EXISTING 0.000000000000909494701772928036809640625" WATER MAIN	53	EXISTING 0.000000000000909494701772928036809640625" WATER MAIN
54	EXISTING 0.0000000000004547473508864018184048125" WATER MAIN	54	EXISTING 0.0000000000004547473508864018184048125" WATER MAIN
55	EXISTING 0.00000000000022737367544320090920240625" WATER MAIN	55	EXISTING 0.00000000000022737367544320090920240625" WATER MAIN
56	EXISTING 0.000000000000113686837721600454601203125" WATER MAIN	56	EXISTING 0.000000000000113686837721600454601203125" WATER MAIN
57	EXISTING 0.0000000000000568434188608002273006015625" WATER MAIN	57	EXISTING 0.0000000000000568434188608002273006015625" WATER MAIN
58	EXISTING 0.00000000000002842170943040011365030078125" WATER MAIN	58	EXISTING 0.00000000000002842170943040011365030078125" WATER MAIN
59	EXISTING 0.000000000000014210854715200056825150390625" WATER MAIN	59	EXISTING 0.000000000000014210854715200056825150390625" WATER MAIN
60	EXISTING 0.0000000000000071054273576000284125751953125" WATER MAIN	60	EXISTING 0.0000000000000071054273576000284125751953125" WATER MAIN
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62	EXISTING 0.000000000000001776356839400007103143988125" WATER MAIN	62	EXISTING 0.000000000000001776356839400007103143988125" WATER MAIN
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64	EXISTING 0.00000000000000044408920985000177578599703125" WATER MAIN	64	EXISTING 0.00000000000000044408920985000177578599703125" WATER MAIN
65	EXISTING 0.0000000000000002220446049250000887927998515625" WATER MAIN	65	EXISTING 0.0000000000000002220446049250000887927998515625" WATER MAIN
66	EXISTING 0.00000000000000011102230246250004439639992578125" WATER MAIN	66	EXISTING 0.00000000000000011102230246250004439639992578125" WATER MAIN
67	EXISTING 0.000000000000000055511151231250022198199962890625" WATER MAIN	67	EXISTING 0.000000000000000055511151231250022198199962890625" WATER MAIN
68	EXISTING 0.000000000000000027755575615625011099099881453125" WATER MAIN	68	EXISTING 0.000000000000000027755575615625011099099881453125" WATER MAIN
69	EXISTING 0.000000000000000013877787807812505549549944265625" WATER MAIN	69	EXISTING 0.000000000000000013877787807812505549549944265625" WATER MAIN
70	EXISTING 0.00000000000000000693889390390625027747749721328125" WATER MAIN	70	EXISTING 0.00000000000000000693889390390625027747749721328125" WATER MAIN
71	EXISTING 0.000000000000000003469446951953125013873874886065625" WATER MAIN	71	EXISTING 0.000000000000000003469446951953125013873874886065625" WATER MAIN
72	EXISTING 0.000000000000000001734723475976562500693693744328125" WATER MAIN	72	EXISTING 0.000000000000000001734723475976562500693693744328125" WATER MAIN
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81	EXISTING 0.00000000000000000000338812567888656250000135487847221703125" WATER MAIN	81	EXISTING 0.00000000000000000000338812567888656250000135487847221703125" WATER MAIN
82	EXISTING 0.000000000000000000001694062839443281250000067743923610515625" WATER MAIN	82	EXISTING 0.000000000000000000001694062839443281250000067743923610515625" WATER MAIN
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85	EXISTING 0.0000000000000000000002117578549304101562500000084679904513203125" WATER MAIN	85	EXISTING 0.0000000000000000000002117578549304101562500000084679904513203125" WATER MAIN
86	EXISTING 0.00000000000000000000010587892746520578125000000423399522566015625" WATER MAIN	86	EXISTING 0.00000000000000000000010587892746520578125000000423399522566015625" WATER MAIN
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88	EXISTING 0.000000000000000000000026469731866301445312500000105849880641515625" WATER MAIN	88	EXISTING 0.000000000000000000000026469731866301445312500000105849880641515625" WATER MAIN
89	EXISTING 0.000000000000000000000013234865933152226562500000052924940320578125" WATER MAIN	89	EXISTING 0.000000000000000000000013234865933152226562500000052924940320578125" WATER MAIN
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92	EXISTING 0.0000000000000000000000016543582416440282265625000000066156250040078125" WATER MAIN	92	EXISTING 0.0000000000000000000000016543582416440282265625000000066156250040078125" WATER MAIN
93	EXISTING 0.000000000000000000000000827179120822014128906250000003307812500200390625" WATER MAIN	93	EXISTING 0.000000000000000000000000827179120822014128906250000003307812500200390625" WATER MAIN
94	EXISTING 0.0000000000000000000000004135895604110070564453125000000165390625001001953125" WATER MAIN	94	EXISTING 0.0000000000000000000000004135895604110070564453125000000165390625001001953125" WATER MAIN
95	EXISTING 0.0000000000000000000000002067947802055035272265625000000082695312500050078125" WATER MAIN	95	EXISTING 0.0000000000000000000000002067947802055035272265625000000082695312500050078125" WATER MAIN
96	EXISTING 0.0000000000000000000000001033973901027516361128906250000004134765625000250390625" WATER MAIN	96	EXISTING 0.0000000000000000000000001033973901027516361128906250000004134765625000250390625" WATER MAIN
97	EXISTING 0.00000000000000000000000005169869505137576805644531250000002067382812500012501953125" WATER MAIN	97	EXISTING 0.00000000000000000000000005169869505137576805644531250000002067382812500012501953125" WATER MAIN
98	EXISTING 0.0000000000000000000000000258493475256879402822656250000001033691406250000625078125" WATER MAIN	98	EXISTING 0.0000000000000000000000000258493475256879402822656250000001033691406250000625078125" WATER MAIN
99	EXISTING 0.00000000000000000000000001292467376284397014128906250000000516845703125000031250390625" WATER MAIN	99	EXISTING 0.00000000000000000000000001292467376284397014128906250000000516845703125000031250390625" WATER MAIN
100	EXISTING 0.00000000000000000000000000646233688142198505644531250000000258422851562500001562501953125" WATER MAIN	100	EXISTING 0.00000000000000000000000000646233688142198505644531250000000258422851562500001562501953125" WATER MAIN





LEGEND	
1	EXISTING 36" SEWER MAIN TO BE REPLACED WITH PROPOSED 36" SEWER MAIN AND MANHOLES
2	EXISTING 30" SEWER MAIN TO BE REPLACED WITH PROPOSED 30" SEWER MAIN AND MANHOLES
3	EXISTING 36" SEWER MAIN TO BE REMOVED
4	EXISTING 30" SEWER MAIN TO BE REMOVED
5	EXISTING 36" SEWER MANHOLE TO BE REMOVED
6	EXISTING 30" SEWER MANHOLE TO BE REMOVED
7	PROPOSED 36" SEWER MAIN
8	PROPOSED 30" SEWER MAIN
9	PROPOSED 36" SEWER MANHOLE
10	PROPOSED 30" SEWER MANHOLE
11	PROPOSED 36" SANITARY SEWER MAIN
12	PROPOSED 30" SANITARY SEWER MAIN
13	PROPOSED 36" SANITARY SEWER MANHOLE
14	PROPOSED 30" SANITARY SEWER MANHOLE
15	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
16	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
17	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
18	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
19	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
20	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
21	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
22	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
23	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
24	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
25	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
26	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
27	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
28	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
29	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
30	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
31	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
32	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
33	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
34	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
35	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
36	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
37	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
38	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
39	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
40	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
41	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
42	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
43	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
44	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
45	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
46	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
47	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
48	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
49	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
50	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
51	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
52	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
53	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
54	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
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56	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
57	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
58	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
59	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
60	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
61	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
62	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
63	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
64	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
65	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
66	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
67	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
68	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
69	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
70	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
71	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
72	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
73	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
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77	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
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79	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
80	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
81	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
82	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
83	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
84	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
85	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
86	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
87	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
88	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
89	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
90	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
91	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
92	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
93	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
94	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
95	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
96	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED
97	PROPOSED 36" SANITARY SEWER MANHOLE TO BE REMOVED
98	PROPOSED 30" SANITARY SEWER MANHOLE TO BE REMOVED
99	PROPOSED 36" SANITARY SEWER MAIN TO BE REMOVED
100	PROPOSED 30" SANITARY SEWER MAIN TO BE REMOVED

CLAYTON COUNTY WATER AUTHORITY
1600 BATTLE CREEK ROAD
MORROW, GEORGIA 30260

PLANS PREPARED BY:
CLAYTON COUNTY WATER AUTHORITY

PROJECT NAME:
JESTERS CREEK EAST
OUTFALL REPLACEMENT
PHASE ONE

LAND LOTS 207,208,209,210&211 DISTRICT
13 CLAYTON COUNTY, GEORGIA

REVISIONS:

DATE	NO.	REQUESTED BY:	DESCRIPTION:

SHEET TITLE: DEMOLITION PLAN

DESIGN BY: CCWA
DRAWN BY: JRM
CHECKED BY: JRM

DATE: 1-15-19
JOB #: 81810
DRAWING #: P-8
SCALE: 1"=50'

SHEET NUMBER 12 OF 21



THESE DRAWINGS ARE THE PROPERTY OF CLAYTON COUNTY WATER AUTHORITY AND MAY NOT BE REPRODUCED, COPIED, OR OTHERWISE REUSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF CLAYTON COUNTY WATER AUTHORITY. THE ACCEPTANCE OF THESE DRAWINGS SHALL BE CONSTRUED AS AN ACCEPTANCE OF THE FOREGOING AGREEMENT.

EXISTING 36" SEWER MAIN AND MANHOLES TO BE REPLACED WITH PROPOSED 36" SEWER MAIN AND MANHOLES

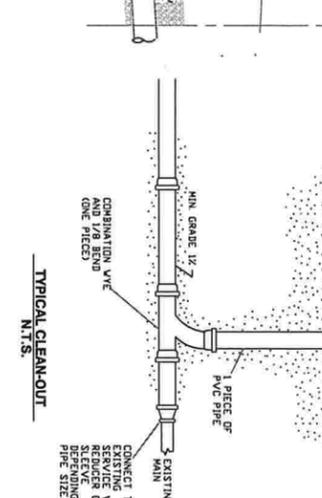
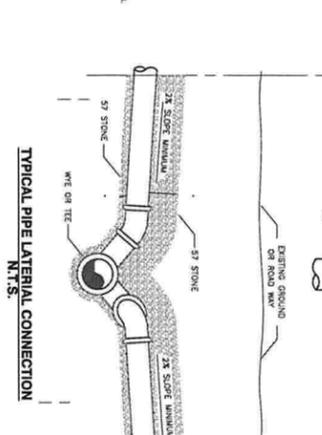
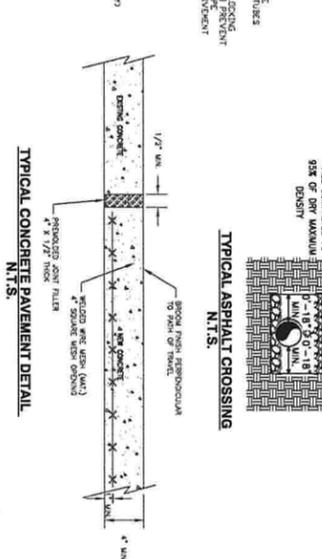
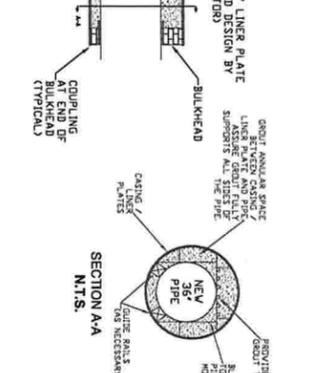
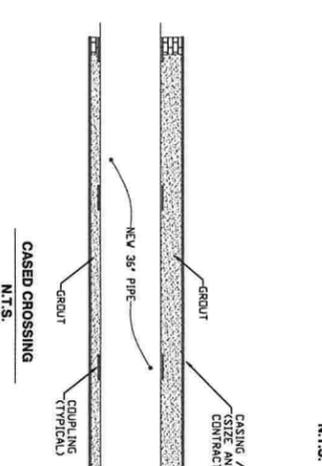
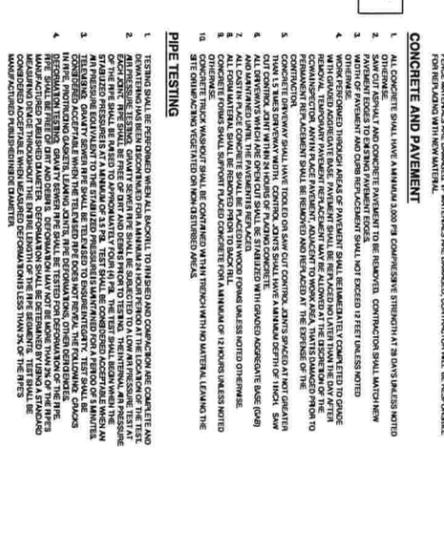
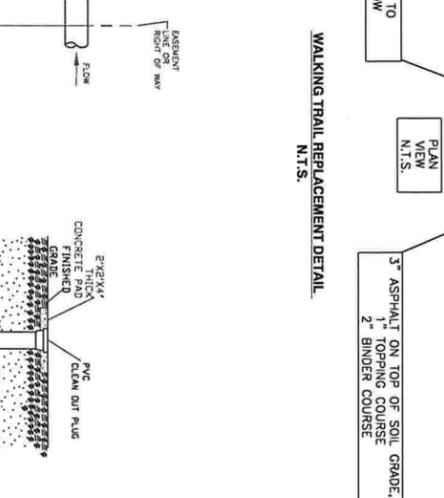
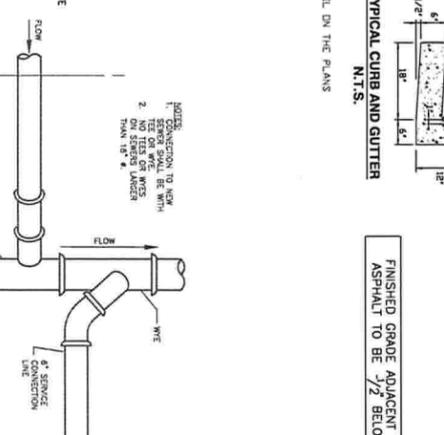
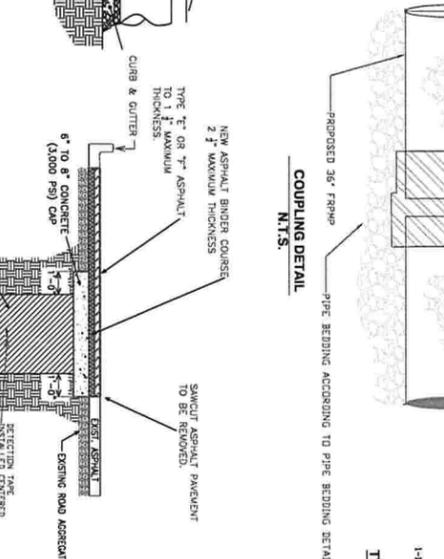
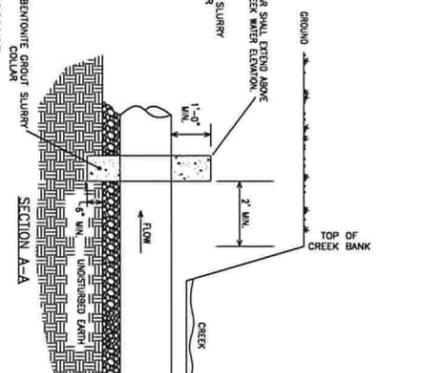
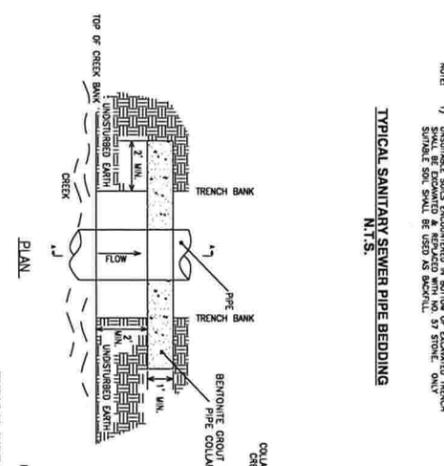
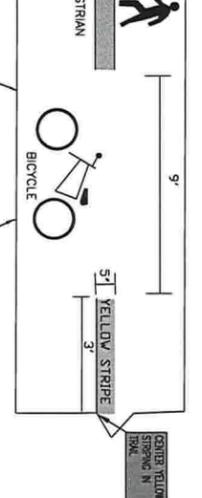
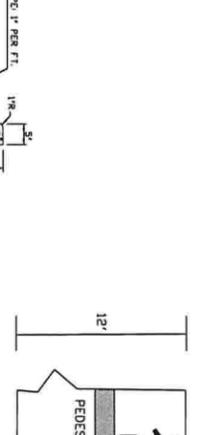
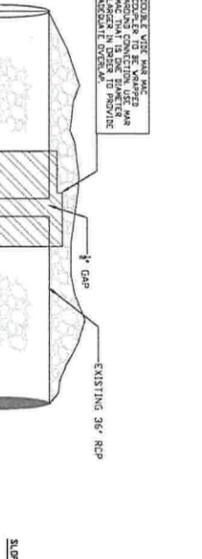
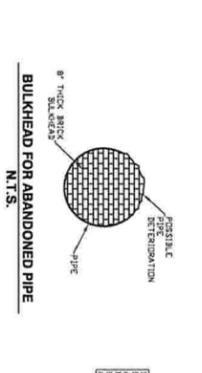
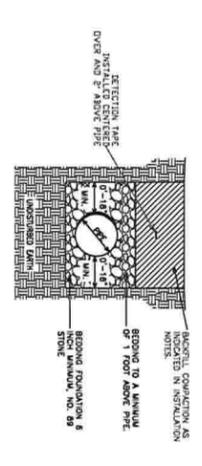
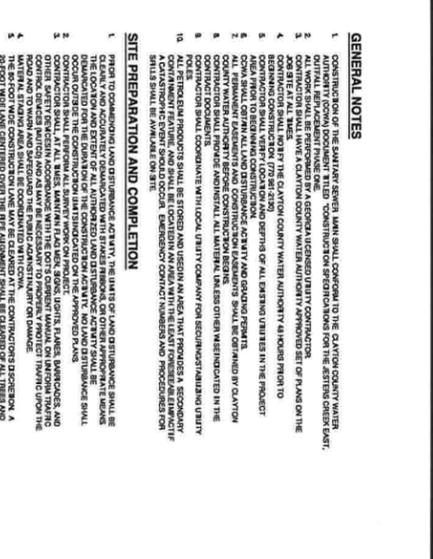
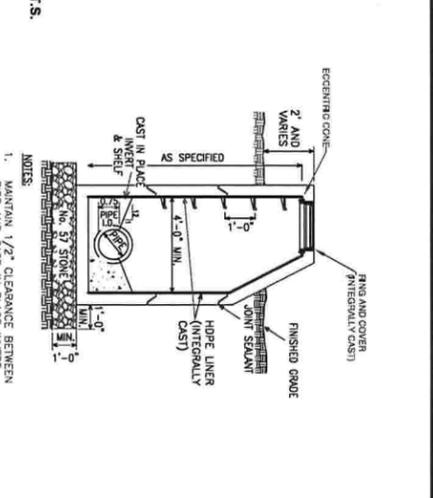
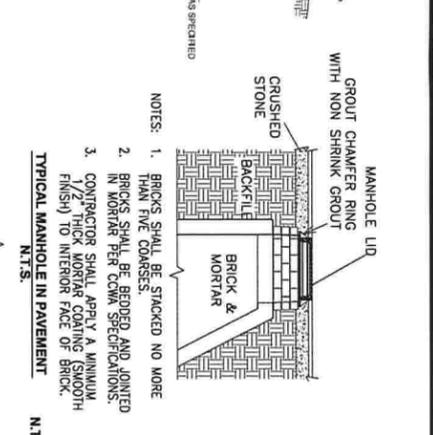
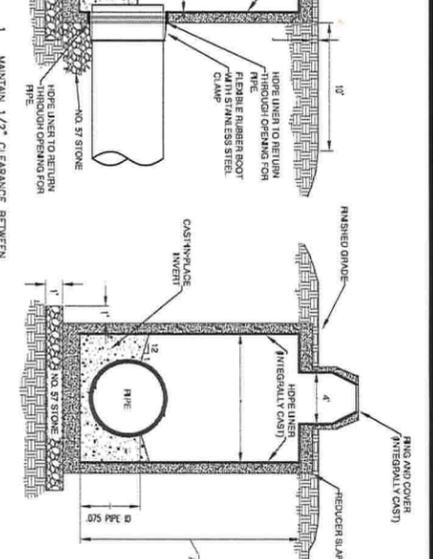
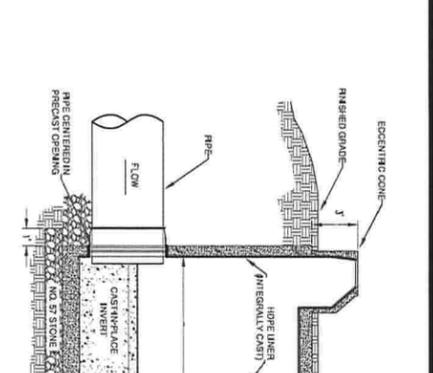
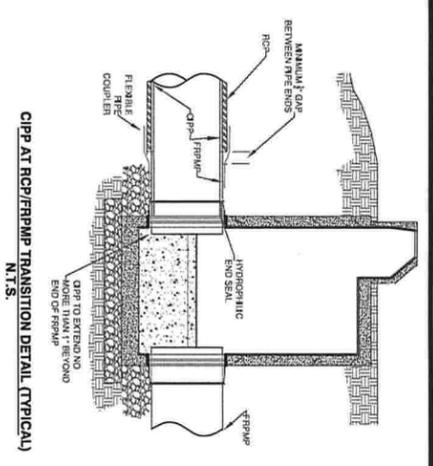
EXISTING 30" SEWER MAIN AND MANHOLES TO BE REPLACED WITH PROPOSED 30" SEWER MAIN AND MANHOLES

EXISTING 36" SEWER MAIN AND MANHOLES TO BE REPLACED WITH PROPOSED 36" SEWER MAIN AND MANHOLES

EXISTING 30" SEWER MAIN AND MANHOLES TO BE REPLACED WITH PROPOSED 30" SEWER MAIN AND MANHOLES

EXISTING 36" SEWER MAIN AND MANHOLES TO BE REPLACED WITH PROPOSED 36" SEWER MAIN AND MANHOLES

EXISTING 30" SEWER MAIN AND MANHOLES TO BE REPLACED WITH PROPOSED 30" SEWER MAIN AND MANHOLES



- GENERAL NOTES**
- CONTRACTOR OF THE SANITARY SEWER MAIN SHALL CONFORM TO THE CLAYTON COUNTY WATER AUTHORITY'S STANDARD SPECIFICATIONS FOR THE SEWER CHAMFER BOLT.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE 2015 CLAYTON COUNTY WATER AUTHORITY (CCWA) STANDARD SPECIFICATIONS FOR THE SEWER CHAMFER BOLT.
 - BEFORE BEGINNING WORK, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND OBTAIN ALL NECESSARY PERMITS FROM THE CLAYTON COUNTY WATER AUTHORITY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CLAYTON COUNTY WATER AUTHORITY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CLAYTON COUNTY WATER AUTHORITY.
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 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CLAYTON COUNTY WATER AUTHORITY.

- CONCRETE AND PAVERMENT**
- ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH AT 28 DAYS UNLESS NOTED OTHERWISE.
 - CONCRETE SHALL BE PLACED AND FINISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
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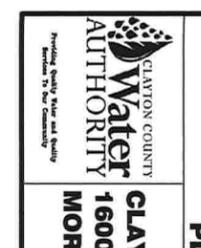
- PIPE TESTING**
- TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
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 - TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

- MANHOLE TESTING**
- MANHOLE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - MANHOLE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
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- EXCAVATION**
- CONTRACTOR SHALL BE RESPONSIBLE FOR SHIELDING AND PROTECTION OF ALL UTILITIES AND ADJACENT STRUCTURES.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR SHIELDING AND PROTECTION OF ALL UTILITIES AND ADJACENT STRUCTURES.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR SHIELDING AND PROTECTION OF ALL UTILITIES AND ADJACENT STRUCTURES.
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 - CONTRACTOR SHALL BE RESPONSIBLE FOR SHIELDING AND PROTECTION OF ALL UTILITIES AND ADJACENT STRUCTURES.

- INSTALLATION**
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CLAYTON COUNTY WATER AUTHORITY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CLAYTON COUNTY WATER AUTHORITY.
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- GENERAL NOTES**
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CLAYTON COUNTY WATER AUTHORITY
1600 BATTLE CREEK ROAD
MORROW, GEORGIA 30260

PLANS PREPARED BY: GCWA

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PROJECT NAME:
JESTERS CREEK EAST
OUTFALL REPLACEMENT
PHASE ONE

LAND LOTS 207, 208, 209, 210 & 211 DISTRICT
 13 CLAYTON COUNTY, GEORGIA

SEAL:

DATE:	NO.:	REQUESTED BY:	DESCRIPTION:

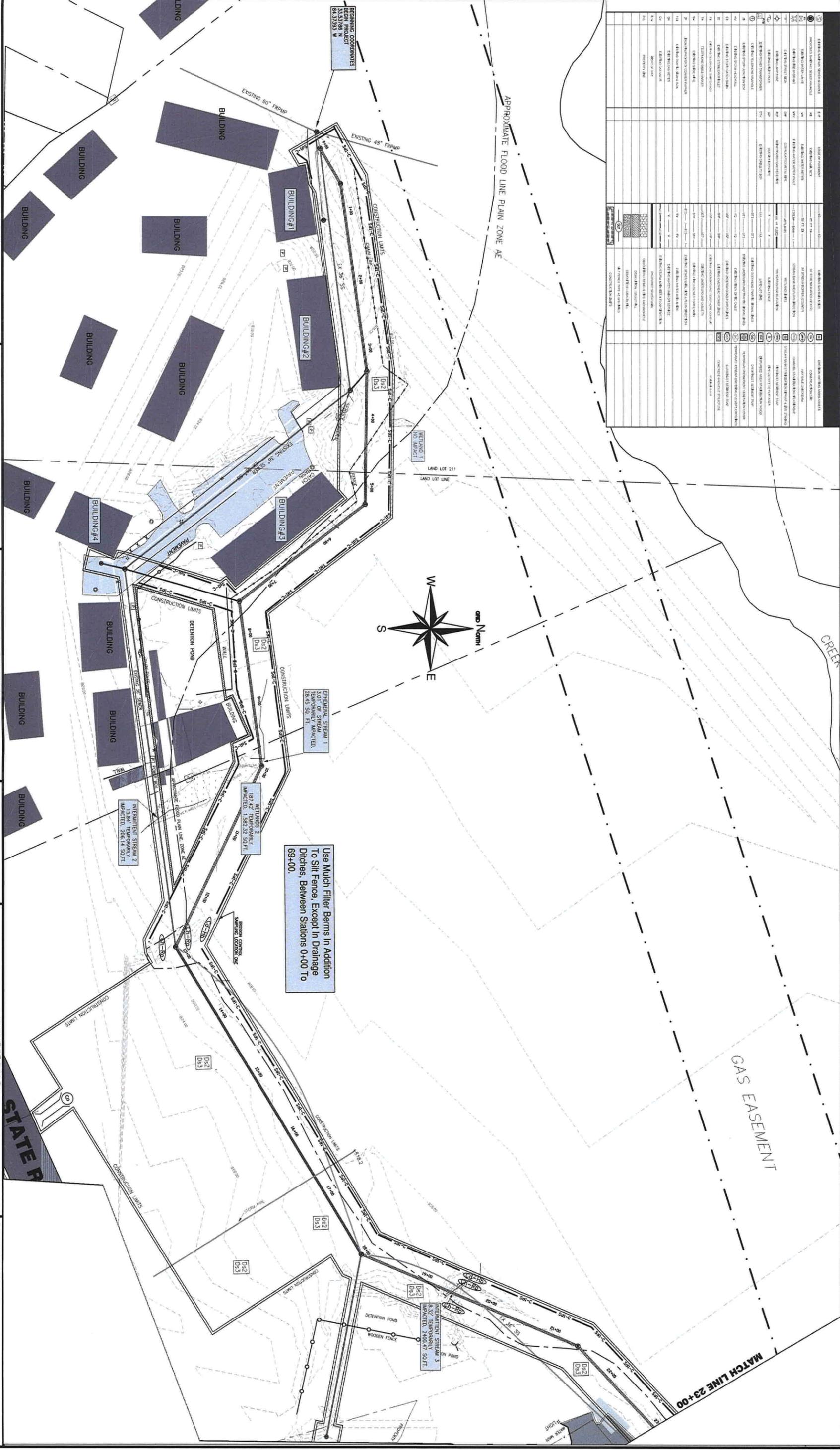
DESIGN BY:	DATE:	JOB #:
GCWA	1-15-19	81810
DRAWN BY:	DATE:	JOB #:
JRM		
CHECKED BY:	DATE:	JOB #:

SHEET TITLE:	CONSTRUCTION DETAILS
DATE:	1-15-19
JOB #:	81810
DRAWING #:	P-10
SCALE:	N.T.S.
SHEET NUMBER:	14 OF 21



Know what's below.
 Call before you dig.

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMITS	11/15/19	JRM
2	FOR CONSTRUCTION	11/15/19	JRM
3	FOR PERMITS	11/15/19	JRM
4	FOR PERMITS	11/15/19	JRM
5	FOR PERMITS	11/15/19	JRM
6	FOR PERMITS	11/15/19	JRM
7	FOR PERMITS	11/15/19	JRM
8	FOR PERMITS	11/15/19	JRM
9	FOR PERMITS	11/15/19	JRM
10	FOR PERMITS	11/15/19	JRM
11	FOR PERMITS	11/15/19	JRM
12	FOR PERMITS	11/15/19	JRM
13	FOR PERMITS	11/15/19	JRM
14	FOR PERMITS	11/15/19	JRM
15	FOR PERMITS	11/15/19	JRM
16	FOR PERMITS	11/15/19	JRM
17	FOR PERMITS	11/15/19	JRM
18	FOR PERMITS	11/15/19	JRM
19	FOR PERMITS	11/15/19	JRM
20	FOR PERMITS	11/15/19	JRM
21	FOR PERMITS	11/15/19	JRM
22	FOR PERMITS	11/15/19	JRM
23	FOR PERMITS	11/15/19	JRM
24	FOR PERMITS	11/15/19	JRM
25	FOR PERMITS	11/15/19	JRM
26	FOR PERMITS	11/15/19	JRM
27	FOR PERMITS	11/15/19	JRM
28	FOR PERMITS	11/15/19	JRM
29	FOR PERMITS	11/15/19	JRM
30	FOR PERMITS	11/15/19	JRM



CLAYTON COUNTY WATER AUTHORITY
1600 BATTLE CREEK ROAD
MORROW, GEORGIA 30260

PLANS PREPARED BY:

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PROJECT NAME:
JESTERS CREEK EAST
OUTFALL REPLACEMENT
PHASE ONE

LAND LOTS 207,208,209,210&211 DISTRICT
13 CLAYTON COUNTY, GEORGIA

SEAL:

REVISIONS:

NO.	REQUESTED BY:	DESCRIPTION:

SHEET TITLE: EROSION CONTROL PLAN

DATE: 1-15-19

DESIGN BY: CCWA

DATE: 1-15-19

JOB #: 81810

DRAWN BY: JRM

DATE: 1-15-19

JOB #: 81810

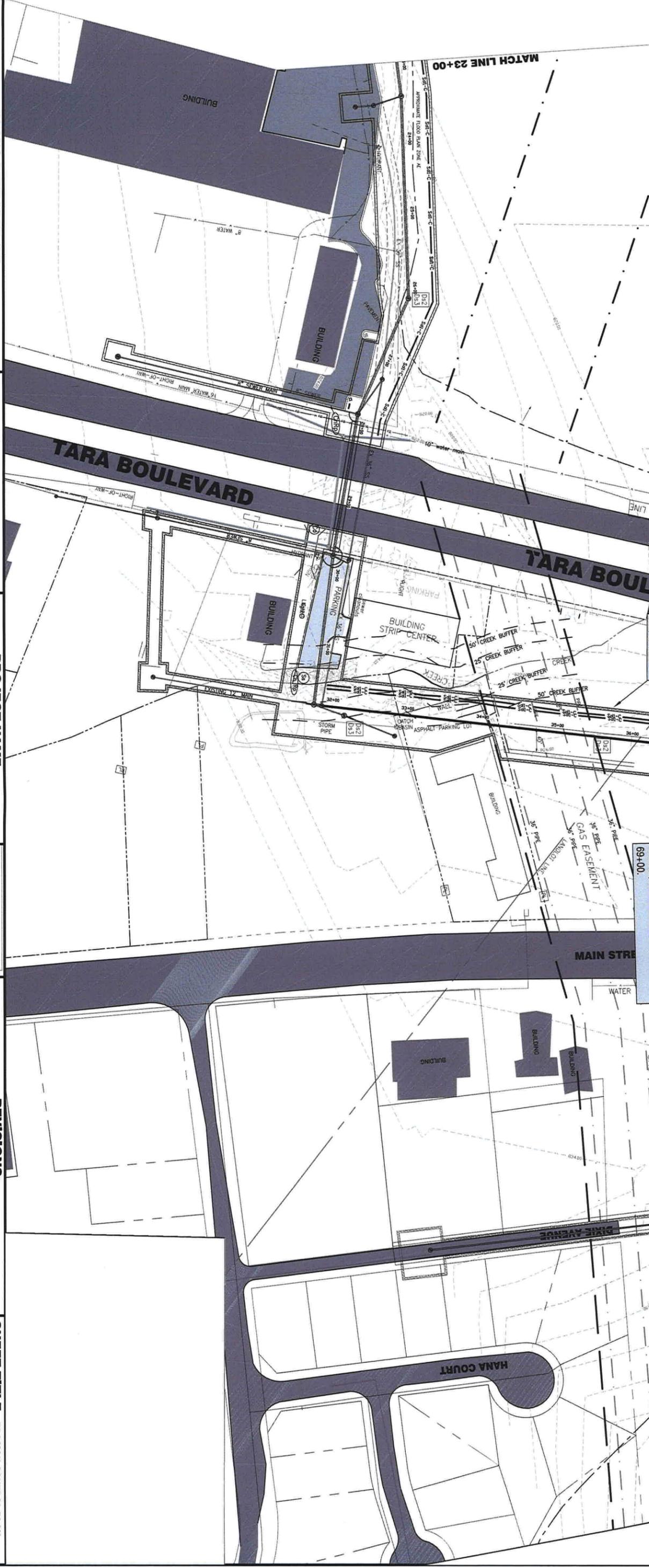
DRAWING #: ES-1

SCALE: 1"=60'

CHECKED BY: JRM

SHEET NUMBER: 15 OF 21

1	1"=60'	16	OF	21
2	DATE: 1-15-19	17	OF	22
3	JOB #: 81810	18	OF	23
4	DRAWING #: ES-2	19	OF	24
5	SCALE: 1"=60'	20	OF	25
6	SHEET NUMBER: 16	21	OF	26



PLANS PREPARED BY:

CLAYTON COUNTY WATER AUTHORITY
 1600 BATTLE CREEK ROAD
 MORROW, GEORGIA 30260

PROJECT NAME:

**JESTERS CREEK EAST
 OUTFALL REPLACEMENT
 PHASE ONE**
 LAND LOTS 207,208,209,210&211 DISTRICT
 13 CLAYTON COUNTY, GEORGIA

REVISIONS:

DATE:	NO.:	REQUESTED BY:	DESCRIPTION:

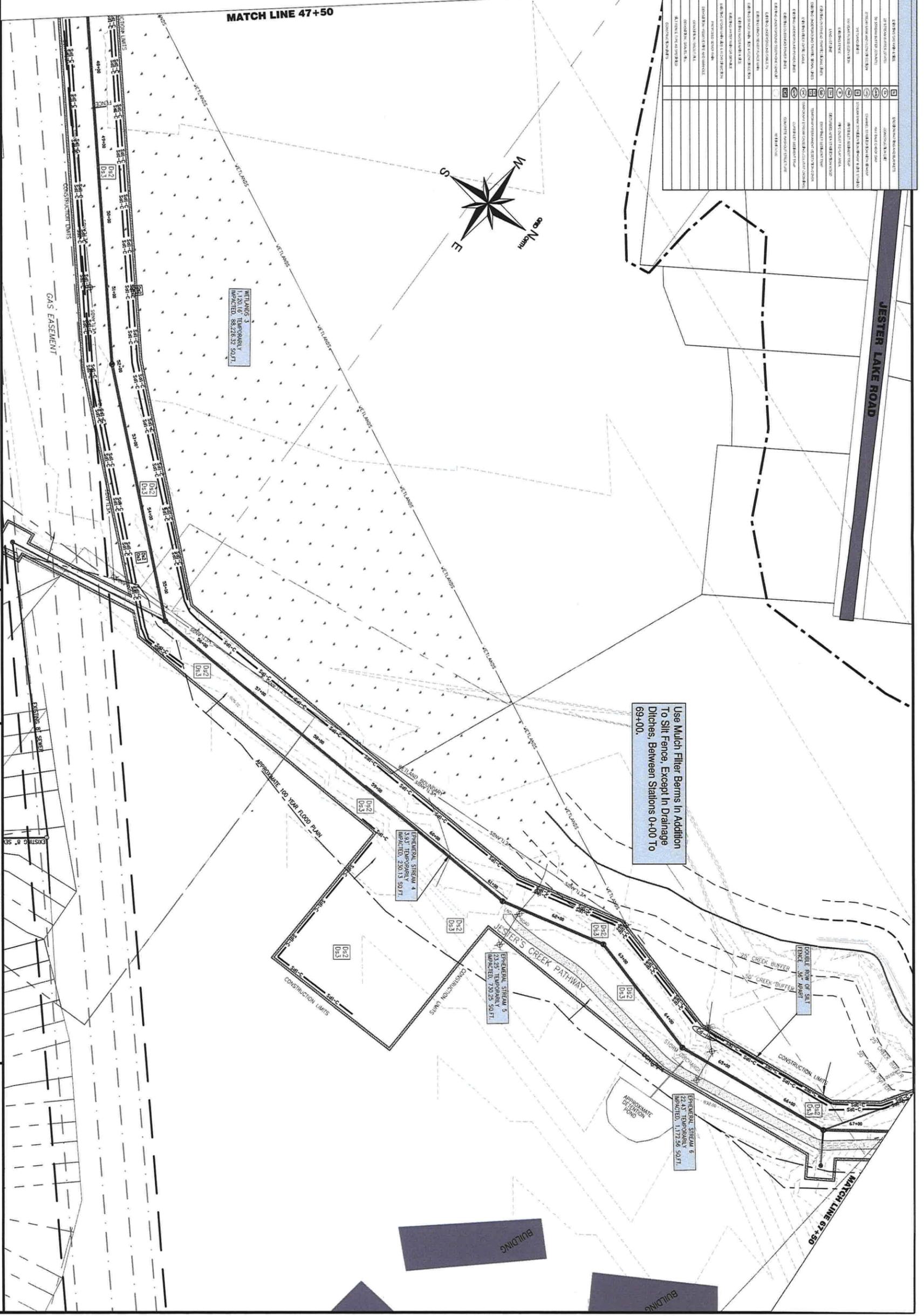
SHEET TITLE: EROSION CONTROL PLAN

DESIGN BY: CCWA
 DRAWN BY: JRM
 CHECKED BY: JRM
 DATE: 1-15-19
 JOB #: 81810
 DRAWING #: ES-2
 SCALE: 1"=60'
 SHEET NUMBER: 16 OF 21



SEAL:

LEGEND	
①	EXISTING ROAD RIGHT-OF-WAY
②	PROPOSED ROAD RIGHT-OF-WAY
③	EXISTING DRAINAGE
④	PROPOSED DRAINAGE
⑤	EXISTING UTILITY
⑥	PROPOSED UTILITY
⑦	EXISTING FENCE
⑧	PROPOSED FENCE
⑨	EXISTING CONSTRUCTION LIMITS
⑩	PROPOSED CONSTRUCTION LIMITS
⑪	EXISTING EROSION CONTROL
⑫	PROPOSED EROSION CONTROL
⑬	EXISTING WETLANDS
⑭	PROPOSED WETLANDS
⑮	EXISTING WETLANDS BUFFER
⑯	PROPOSED WETLANDS BUFFER
⑰	EXISTING WETLANDS BUFFER
⑱	PROPOSED WETLANDS BUFFER
⑲	EXISTING WETLANDS BUFFER
⑳	PROPOSED WETLANDS BUFFER
㉑	EXISTING WETLANDS BUFFER
㉒	PROPOSED WETLANDS BUFFER
㉓	EXISTING WETLANDS BUFFER
㉔	PROPOSED WETLANDS BUFFER
㉕	EXISTING WETLANDS BUFFER
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㉘	PROPOSED WETLANDS BUFFER
㉙	EXISTING WETLANDS BUFFER
㉚	PROPOSED WETLANDS BUFFER
㉛	EXISTING WETLANDS BUFFER
㉜	PROPOSED WETLANDS BUFFER
㉝	EXISTING WETLANDS BUFFER
㉞	PROPOSED WETLANDS BUFFER
㉟	EXISTING WETLANDS BUFFER
㊱	PROPOSED WETLANDS BUFFER
㊲	EXISTING WETLANDS BUFFER
㊳	PROPOSED WETLANDS BUFFER
㊴	EXISTING WETLANDS BUFFER
㊵	PROPOSED WETLANDS BUFFER
㊶	EXISTING WETLANDS BUFFER
㊷	PROPOSED WETLANDS BUFFER
㊸	EXISTING WETLANDS BUFFER
㊹	PROPOSED WETLANDS BUFFER
㊺	EXISTING WETLANDS BUFFER
㊻	PROPOSED WETLANDS BUFFER
㊼	EXISTING WETLANDS BUFFER
㊽	PROPOSED WETLANDS BUFFER
㊾	EXISTING WETLANDS BUFFER
㊿	PROPOSED WETLANDS BUFFER



PLANS PREPARED BY:

CLAYTON COUNTY WATER AUTHORITY
1600 BATTLE CREEK ROAD
MORROW, GEORGIA 30260

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PROJECT NAME:

JESTERS CREEK EAST
OUTFALL REPLACEMENT
PHASE ONE
 LAND LOTS 207, 208, 209, 210&211 DISTRICT
 13 CLAYTON COUNTY, GEORGIA

REVISIONS:

DATE:	NO.:	REQUESTED BY:	DESCRIPTION:

SHEET TITLE: EROSION CONTROL PLAN

DESIGN BY:	DATE:
CCWA	1-15-19
DRAWN BY:	JOB #:
JRM	81810
CHECKED BY:	DRAWING #:
	ES-3
	SCALE:
	1"=60'
SHEET NUMBER	OF
17	21



CLAYTON COUNTY WATER AUTHORITY
 1600 BATTLE CREEK ROAD
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PHASE ONE
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DATE:	NO.:	REQUESTED BY:	DESCRIPTION:

DESIGN BY:	DATE:
CCWA	1-15-19
DRAWN BY:	JOB #:
JRM	81810
CHECKED BY:	DRAWING #:
	ES-3
	SCALE:
	1"=60'
SHEET NUMBER	OF
17	21

TEMPORARY VEGETATION COVER

1/ Temporary cover shall be very competitive and will remain on permanent if seeds
2/ 2% Redox staining rates by 200 mm depth
3/ 1% 1.5% soil loss per 1000 ft² of cover
4/ 1% 1.5% soil loss per 1000 ft² of cover

SPECIES	HEIGHT	ROOTS	SEEDS	COVER	PERMANENT	SOIL LOSS	STAINING
PERENNIAL GRASS	4.0 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	4 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	2 LB	0.05 LB	0.5 LB	0.5 LB	0.5 LB	0.5 LB	0.5 LB
PERENNIAL GRASS	40 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	20 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	40 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	20 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	20 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	20 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB

DS2

PERMANENT VEGETATION COVER

1/ 2% Redox staining rates by 200 mm depth
2/ 1% 1.5% soil loss per 1000 ft² of cover
3/ 1% 1.5% soil loss per 1000 ft² of cover

SPECIES	HEIGHT	ROOTS	SEEDS	COVER	PERMANENT	SOIL LOSS	STAINING
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB
PERENNIAL GRASS	10 LB	0.1 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB	1.0 LB

DS3

FERTILIZER REQUIREMENTS

1/ 1/2" depth of application
2/ 2" depth of application
3/ 3" depth of application
4/ 4" depth of application
5/ 5" depth of application
6/ 6" depth of application
7/ 7" depth of application
8/ 8" depth of application
9/ 9" depth of application
10/ 10" depth of application

TYPE OF SPECIES	YEAR	ANALYSIS ON EQUIPMENT	DATE	TOTAL PERCENTAGE
1. Grass	6-15-15	10000000	10000000	10000000
2. Grass	6-15-15	10000000	10000000	10000000
3. Grass	6-15-15	10000000	10000000	10000000
4. Grass	6-15-15	10000000	10000000	10000000
5. Grass	6-15-15	10000000	10000000	10000000
6. Grass	6-15-15	10000000	10000000	10000000
7. Grass	6-15-15	10000000	10000000	10000000
8. Grass	6-15-15	10000000	10000000	10000000
9. Grass	6-15-15	10000000	10000000	10000000
10. Grass	6-15-15	10000000	10000000	10000000

DS3

GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES	VEGETATIVE PRACTICES
1. Check dam	1. Sod water hyacinth
2. Contour bank	2. Sod water hyacinth
3. Contour berm	3. Sod water hyacinth
4. Contour ditch	4. Sod water hyacinth
5. Contour strip	5. Sod water hyacinth
6. Contour trench	6. Sod water hyacinth
7. Contour wall	7. Sod water hyacinth
8. Contour wall	8. Sod water hyacinth
9. Contour wall	9. Sod water hyacinth
10. Contour wall	10. Sod water hyacinth
11. Contour wall	11. Sod water hyacinth
12. Contour wall	12. Sod water hyacinth
13. Contour wall	13. Sod water hyacinth
14. Contour wall	14. Sod water hyacinth
15. Contour wall	15. Sod water hyacinth
16. Contour wall	16. Sod water hyacinth
17. Contour wall	17. Sod water hyacinth
18. Contour wall	18. Sod water hyacinth
19. Contour wall	19. Sod water hyacinth
20. Contour wall	20. Sod water hyacinth
21. Contour wall	21. Sod water hyacinth
22. Contour wall	22. Sod water hyacinth
23. Contour wall	23. Sod water hyacinth
24. Contour wall	24. Sod water hyacinth
25. Contour wall	25. Sod water hyacinth
26. Contour wall	26. Sod water hyacinth
27. Contour wall	27. Sod water hyacinth
28. Contour wall	28. Sod water hyacinth
29. Contour wall	29. Sod water hyacinth
30. Contour wall	30. Sod water hyacinth

GRADED RIP-RAP STONE

1. GEORGIA DEPARTMENT OF TRANSPORTATION

D & I	NO. 1	SIZE INCHES	COMMON USES
TYPE 3	12	3	ROADS, DRIVEWAYS, PAVED AREAS
TYPE 1	24	12	ROADS, DRIVEWAYS, PAVED AREAS

TABLE C-3

GRADED RIP-RAP STONE

1. NATIONAL STONE ASSOCIATION
2. NATIONAL STONE ASSOCIATION
3. NATIONAL STONE ASSOCIATION
4. NATIONAL STONE ASSOCIATION
5. NATIONAL STONE ASSOCIATION
6. NATIONAL STONE ASSOCIATION
7. NATIONAL STONE ASSOCIATION
8. NATIONAL STONE ASSOCIATION
9. NATIONAL STONE ASSOCIATION
10. NATIONAL STONE ASSOCIATION

GRADE	SIZE INCHES	FLUX RATE	FLUX VELOCITY
2.3	R-1	1 1/2	24
4.5	R-2	3	12
6.5	R-3	6	3
9.0	R-4	12	6
11.5	R-5	18	9
13.0	R-6	24	12
14.5	R-7	30	15

TABLE C-1

TYPE "S" SILT FENCE



SD1-C



CD-HB

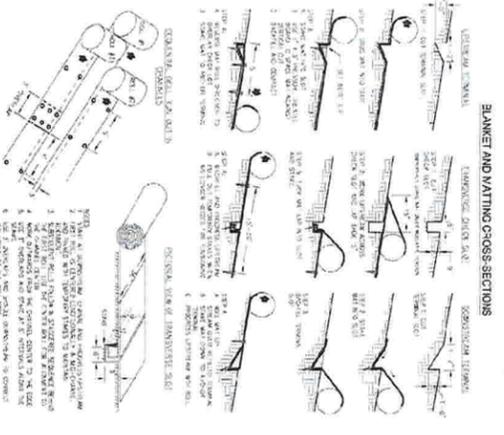


CO



Ch-Rd

TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)



SS

HAY BALE CHECK DAM



CD-HB



Sn-C



CO

PLANS PREPARED BY: CCWA

CLAYTON COUNTY WATER AUTHORITY
1600 BATTLE CREEK ROAD
MORROW, GEORGIA 30260

PROJECT NAME: JESTERS CREEK EAST OUTFALL REPLACEMENT PHASE ONE

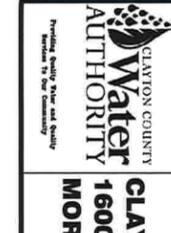
LAND LOTS 207, 208, 209, 210 & 211, DISTRICT 13 CLAYTON COUNTY, GEORGIA

REVISIONS:

DATE:	NO.:	REQUESTED BY:	DESCRIPTION:
1-15-19	1	CCWA	DESIGN BY: CCWA
8-18-10	2	JRM	DESIGN BY: JRM
ES-5	3	JRM	DRAWING #: ES-5
N.T.S.	4	JRM	CHECKED BY: JRM

SHEET TITLE: EROSION CONTROL DETAILS

DATE: 1-15-19
JOB #: 81810
DRAWING #: ES-5
SCALE: N.T.S.
SHEET NUMBER 19 OF 21



CLAYTON COUNTY WATER AUTHORITY
1600 BATTLE CREEK ROAD
MORROW, GEORGIA 30260

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