FREEMANVILLE ROAD WATER MAIN

BOARD OF COMMISSIONERS FULTON COUNTY, GEORGIA

LEGEND

EXISTING

- VALVE
- FIRE HYDRANT
- WATER METER
- TELEPHONE PEDESTAL
- TELEPHONE MANHOLE
- UTILITY POLE
- UTILITY MARKER
- GRATE INLET
- CATCH BASIN
- TREES
- CONTROL POINT
- STORM DRAIN
- WATER MAIN
- UNDERGROUND TELEPHONE
- OVERHEAD POWER
- GAS MAIN
- UNDERGROUND ELECTRIC
- DITCH LINE
- GUARD RAIL
- PROPERTY LINE
- EDGE OF PAVEMENT CURB & GUTTER
- RIGHT-OF-WAY

NEW

- VALVE
- SOLID SLEEVE
- PLUG
- FIRE HYDRANT
- THRUST COLLAR
- 24" W WATER MAIN
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- 25' STREAM BUFFER
- TREE PROTECTION FENCE

ABBREVIATIONS

BV	BUTTERFLY VALVE
CP	CONTROL POINT
DIP	DUCTILE IRON PIPE
EXIST.	EXISTING
FH	FIRE HYDRANT
GV	GATE VALVE
LF	LINEAR FEET
N/F	NOW OR FORMERLY
INV	INVERT
NTS	NOT TO SCALE
PJ	PUSH-ON JOINT
RJ	RESTRAINED JOINT
RJP	RESTRAINED JOINT PIPE
R/W	RIGHT-OF-WAY
SD	STORM DRAIN
TS&V	TAPPING SLEEVE & VALVE
W	WATER

GENERAL NOTES:

1. ALL CONSTRUCTION MUST CONFORM TO FULTON COUNTY STANDARDS AND SPECIFICATIONS, WHETHER OR NOT REVIEW COMMENTS WERE MADE.
2. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING, NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION AND DETENTION FACILITIES ARE CONSTRUCTED.
3. SILT BARRIERS TO BE PLACED AS SHOWN AND/OR AS DIRECTED BY PROJECT ENGINEER AND/OR FULTON COUNTY INSPECTOR.
4. NOTIFY INSPECTOR 24 HOURS PRIOR TO CONSTRUCTION.
5. AS-BUILT DRAWINGS OF ROADWAYS, STORM DRAINS, SEWERS AND WATER; FIELD APPROVALS BY THE INSPECTOR; AND ALL APPLICABLE BONDS REQUIRED PRIOR TO ACCEPTANCE OR ISSUANCE OF A CERT. OF OCCUPANCY.
6. UPON REQUEST FROM ANY AGENT OR THE DIRECTOR OF ENVIRONMENT AND COMMUNITY DEVELOPMENT: A WRITTEN BI-WEEKLY REPORT SHALL BE SUBMITTED TO THE ASSISTANT DIRECTOR OF ENVIRONMENT AND COMMUNITY DEVELOPMENT, FROM THE COMMENCEMENT OF THE PROJECT, TO THE COMPLETION OF GRADING AND CONSTRUCTION. THIS REPORT SHALL BE THE RESPONSIBILITY OF THE OWNER OR DEVELOPER AND SHALL BE PREPARED BY A REGISTERED ENGINEER. [INDICATE THE NAME, ADDRESS, AND TELEPHONE NUMBER OF THE ENGINEER SELECTED.] THE REPORT SHALL INDICATE THE PROGRESS OF THE WORK, AND THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES. (NOTE: FAILURE TO SUBMIT THIS REPORT SHALL BE CONSIDERED A VIOLATION OF THE CONDITIONS OF THE PERMIT.)
7. SURVEY COMPLETED BY JJG ON AUGUST 15, 2001. BENCHMARK IS ON SHEET 10 (STA. 145+50).
8. PRIOR TO THE ACCEPTANCE AND APPROVAL OF ANY ASPHALTIC CONCRETE BINDER AND/OR TOPPING WHICH IS INSTALLED FOR THE PURPOSE OF FULTON COUNTY MAINTENANCE, A REPRESENTATIVE OF THIS DEPARTMENT MAY REQUIRE ONE OR ALL OF THE FOLLOWING TESTS: 1)CORING, 2)EXTRACTION, 3)COMPACTION, 4)DENSITY. THE FREQUENCY AND LOCATION OF THESE TESTS WILL BE LEFT TO THE DISCRETION OF THE INSPECTOR.
9. **ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.**
10. SIGNING AND STRIPING TO BE PROVIDED BY THE DEVELOPER ACCORDING TO FULTON COUNTY SPECIFICATIONS.
11. OFF-STREET PARKING SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION.
12. ALL FILL AREAS MUST BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR. A REPORT FROM A GEOTECHNICAL ENGINEER MAY BE REQUIRED BY THE CONSTRUCTION INSPECTOR FOR ALL FILL AREAS WITHIN THE RIGHT-OF-WAY.
13. ALL TRAFFIC CONTROL AND WARNING DEVICES SHALL MEET THE STANDARDS AND DIAGRAMS SET FORTH IN THE "MANUAL ON TRAFFIC CONTROL PROCEDURES FOR UTILITIES, GUCC 1994."

ENVIRONMENT & COMMUNITY DEVELOPMENT DISCLAIMER:

14. THE APPROVAL OF THESE PLANS AND THE ISSUANCE OF THIS LAND DISTURBANCE PERMIT DOES NOT IN ANY WAY SUGGEST THAT ALL OTHER REQUIREMENTS LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING, HAVE BEEN MET. THE ONUS IS ON THE OWNER/DEVELOPER/BUILDER TO DISCOVER WHAT ADDITIONAL PERMITTING OR APPROVALS MAY BE NECESSARY TO OPERATE FROM THIS POINT IN AN APPROPRIATE AND LEGAL MANNER. PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT ABSOLVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE LAWS, POLICIES, STANDARDS OR OTHER PERMITS WHICH MAY BE REQUIRED FOR THIS PROJECT.
15. ALL RESTRAINED JOINT PIPE LENGTHS ARE BASED ON: 250 PSI, 2.0 SAFETY FACTOR, AND TYPE 3 BEDDING.

INDEX

1	PLAN & PROFILE - STA. 0+00-13+00
2	PLAN & PROFILE - STA. 13+00-28+50
3	PLAN & PROFILE - STA. 28+50-43+00
4	PLAN & PROFILE - STA. 43+00-56+00
5	PLAN & PROFILE - STA. 56+00-71+00
6	PLAN & PROFILE - STA. 71+00-86+00
7	PLAN & PROFILE - STA. 86+00-101+00
8	PLAN & PROFILE - STA. 101+00-116+00
9	PLAN & PROFILE - STA. 116+00-131+00
10	PLAN & PROFILE - STA. 131+00-146+00
11	PLAN & PROFILE - STA. 146+00-161+00
12	PLAN & PROFILE - STA. 161+00-176+00
13	PLAN & PROFILE - STA. 176+00-191+00
14	PLAN & PROFILE - STA. 191+00-206+00
15	PLAN & PROFILE - STA. 206+00-221+00
16	PLAN & PROFILE - STA. 221+00-236+00
17	PLAN & PROFILE - STA. 236+00-251+00
18	PLAN & PROFILE - STA. 251+00-266+00
19	PLAN & PROFILE - STA. 266+00-281+00
20	PLAN & PROFILE - STA. 281+00-296+81.74 (END)
21	MISCELLANEOUS DETAILS
22	EROSION CONTROL NOTES
23	EROSION CONTROL DETAILS
24	LANDSCAPE/TREE PROTECTION NOTES AND DETAILS

THE FREEMANVILLE ROAD WATER MAIN IS TO BE CONSTRUCTED WITHIN PUBLIC RIGHT-OF-WAY AND EASEMENTS NOT WITHIN THE 100 YEAR FLOODPLAIN AS PER FIRM PANEL 13121C 0016 E, DATED JUNE 22, 1998. THE LOCATION OF THE WATER MAIN IS WITHIN THE 100 YEAR FLOODPLAIN WITHIN THE AREAS SHOWN ON THE ADJACENT MAP AND AS PER FIRM PANELS 13121C 0014 E, 13121C 0015 E AND 13121C 0052 E, DATED JUNE 22, 1998.

PROJECT ZONING: AG-1

PROJECT LOCATION: DISTRICT 2-2, LAND LOTS: 264, 312, 313, 337, 338, 383, 410, 455, 456, 481, 527, 528, 554, 599, 626, 671, 698, 743, 770, 771, 813, 814, 842, 843, 844, 888, AND 887.

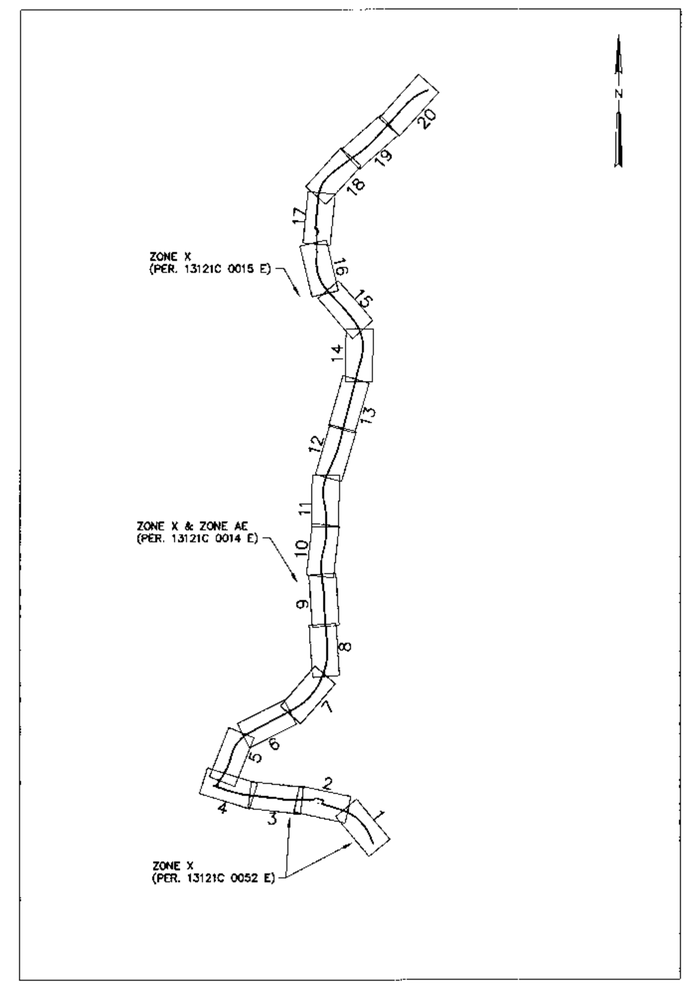
Jordan Jones & Goulding

MAY 2007

OWNER/OPERATOR
FULTON COUNTY PUBLIC WORKS DEPARTMENT
141 PRYOR STREET, S.W. SUITE 6001
ATLANTA, GEORGIA 30303
24 HOUR CONTACT: THOMAS CZECIL
PHONE: 770-410-3421

OWNER
BOARD OF COMMISSIONERS
FULTON COUNTY, GEORGIA
141 PRYOR STREET, S.W. SUITE 3077
ATLANTA, GEORGIA 30303
PHONE: 404-893-0880

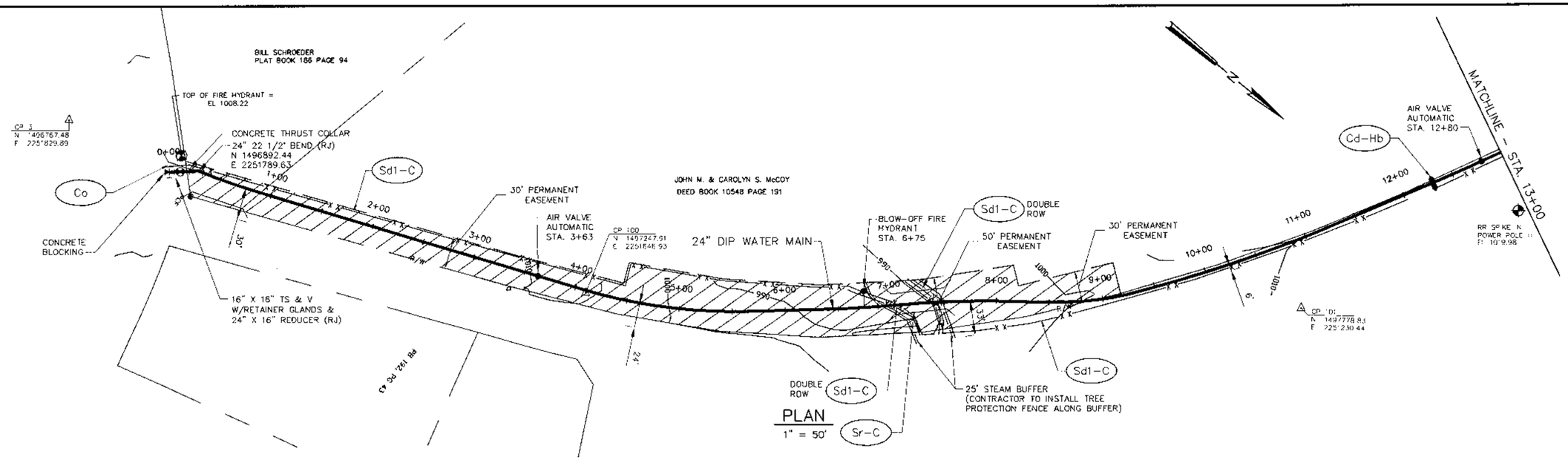
ENGINEER
JORDAN, JONES & GOULDING, INC.
6801 GOVERNORS LAKE PARKWAY
NORCROSS, GEORGIA 30071
PHONE: 404-612-0877
CONTACT: MIKE RACHELSON, PROJECT MANAGER



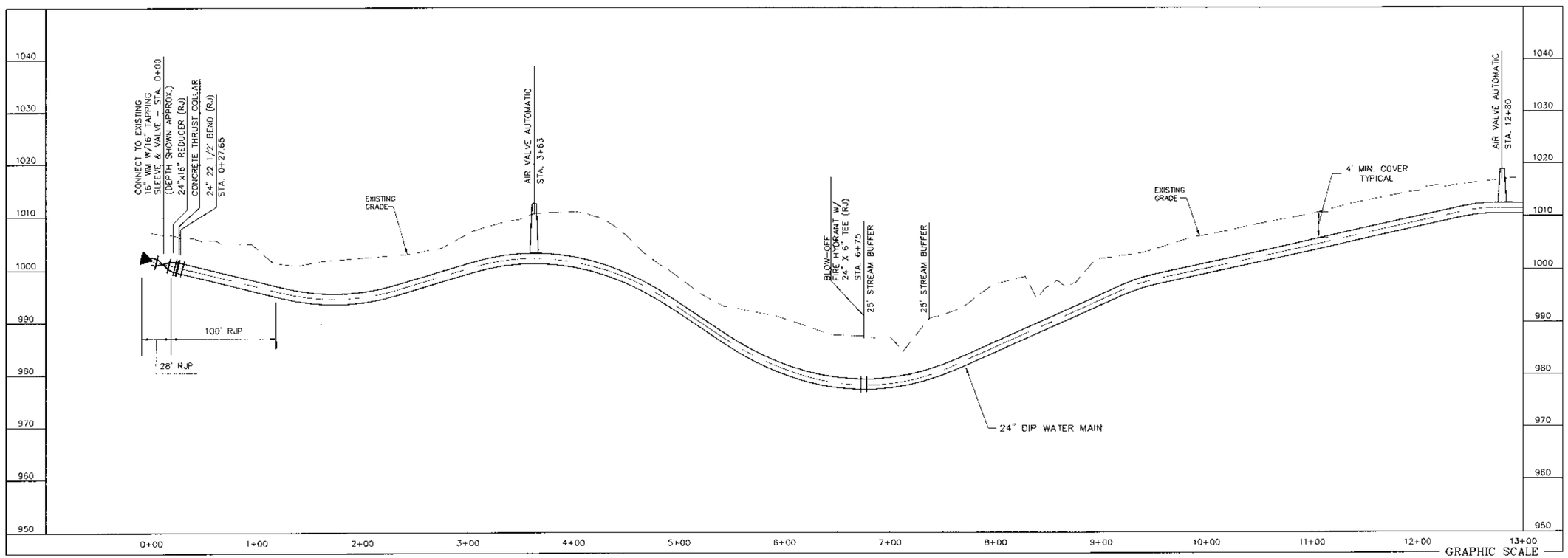
SHEET ON WHICH MAIN IS SHOWN

1 SHEET NUMBER

LOCATION MAP
SCALE: APPROX. 1"=2000'



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Boulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

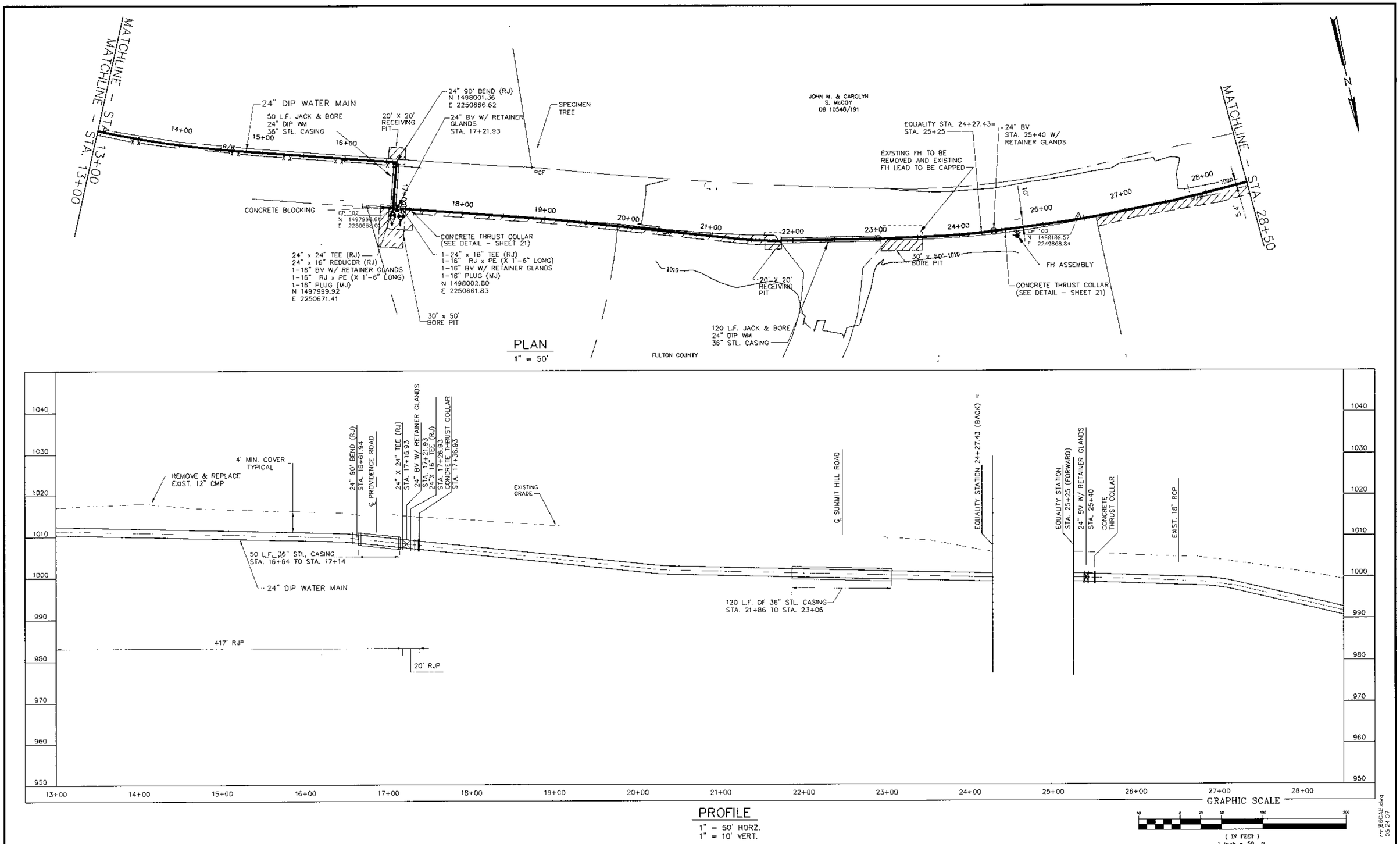
GEORGIA REGISTERED PROFESSIONAL ENGINEER HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

PLAN & PROFILE
STA. 0+00 - 13+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	1	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS, FULTON COUNTY, GEORGIA

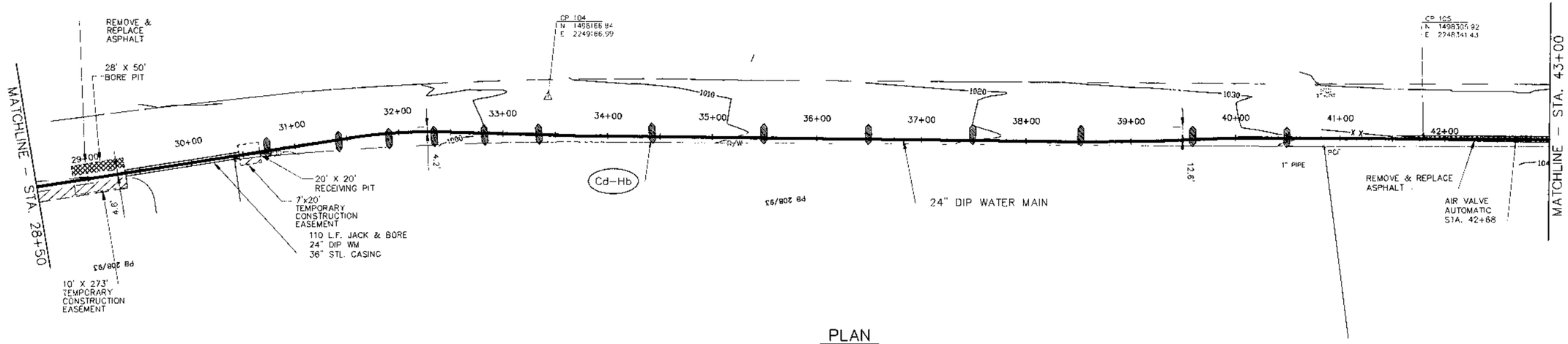
GEORGIA REGISTERED PROFESSIONAL ENGINEER MEMBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

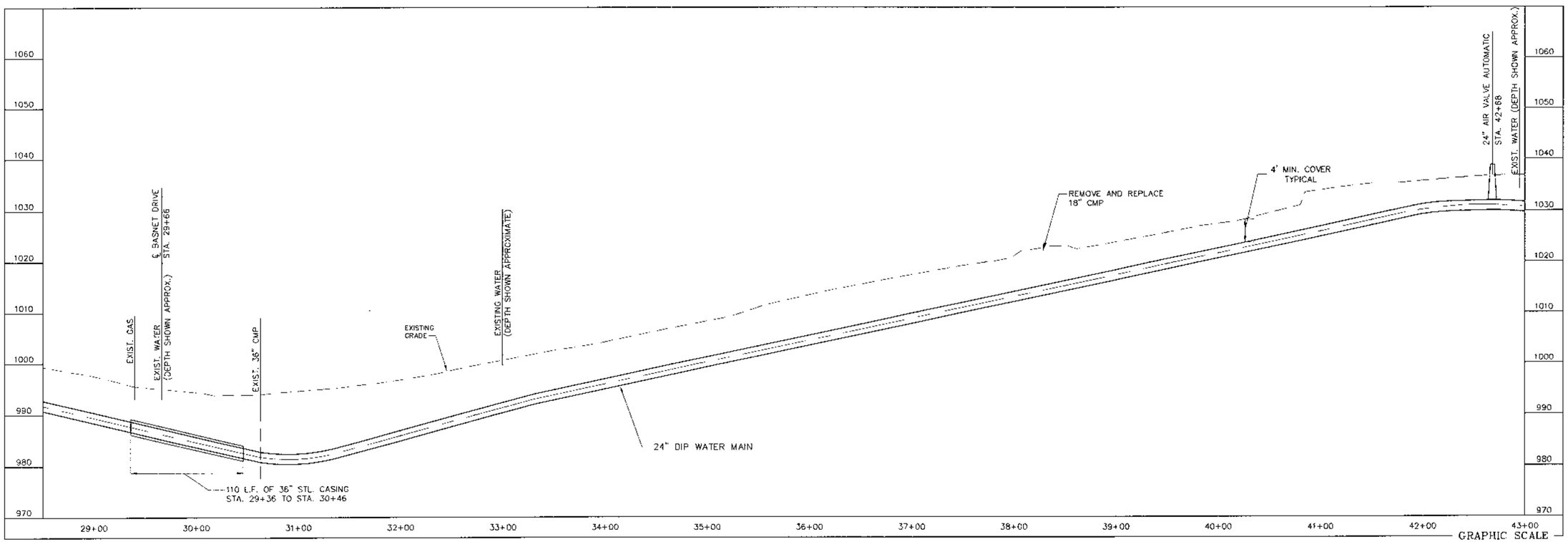
PLAN & PROFILE
STA. 13+00 - 28+50

DESIGNED: HEB	CHECKED: TNM	DATE: MAY 2007	2	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

(IN FEET)
1 inch = 50 ft

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21

NO	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS, FULTON COUNTY, GEORGIA

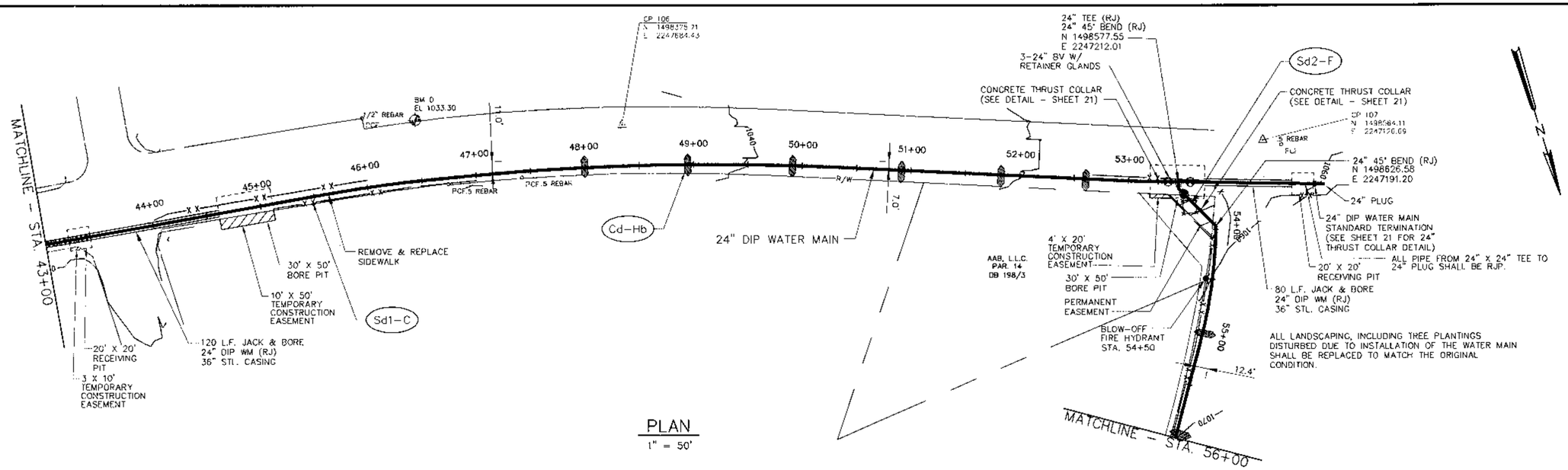
GEORGIA REGISTERED PROFESSIONAL ENGINEER HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

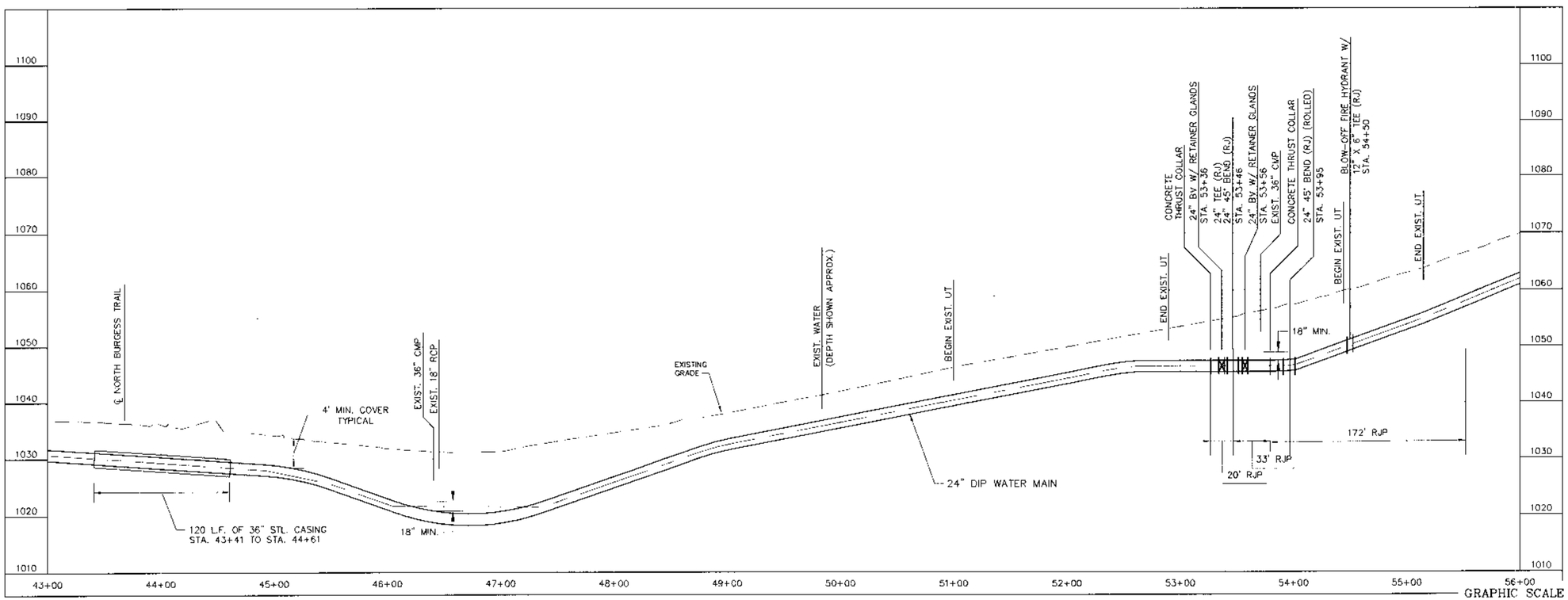
PLAN & PROFILE
STA. 28+50 - 43+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	3	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

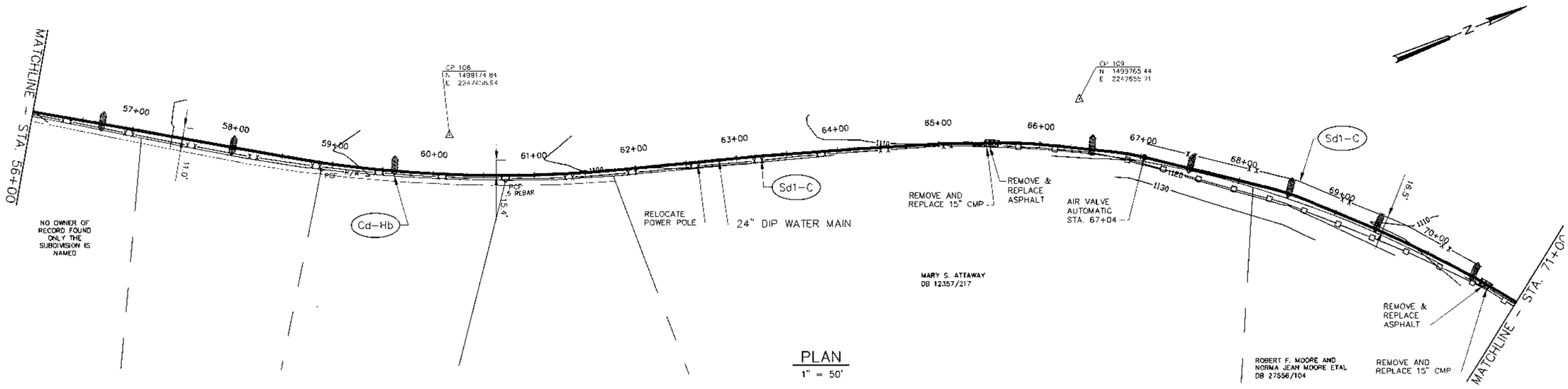
GEORGIA REGISTERED PROFESSIONAL ENGINEER HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

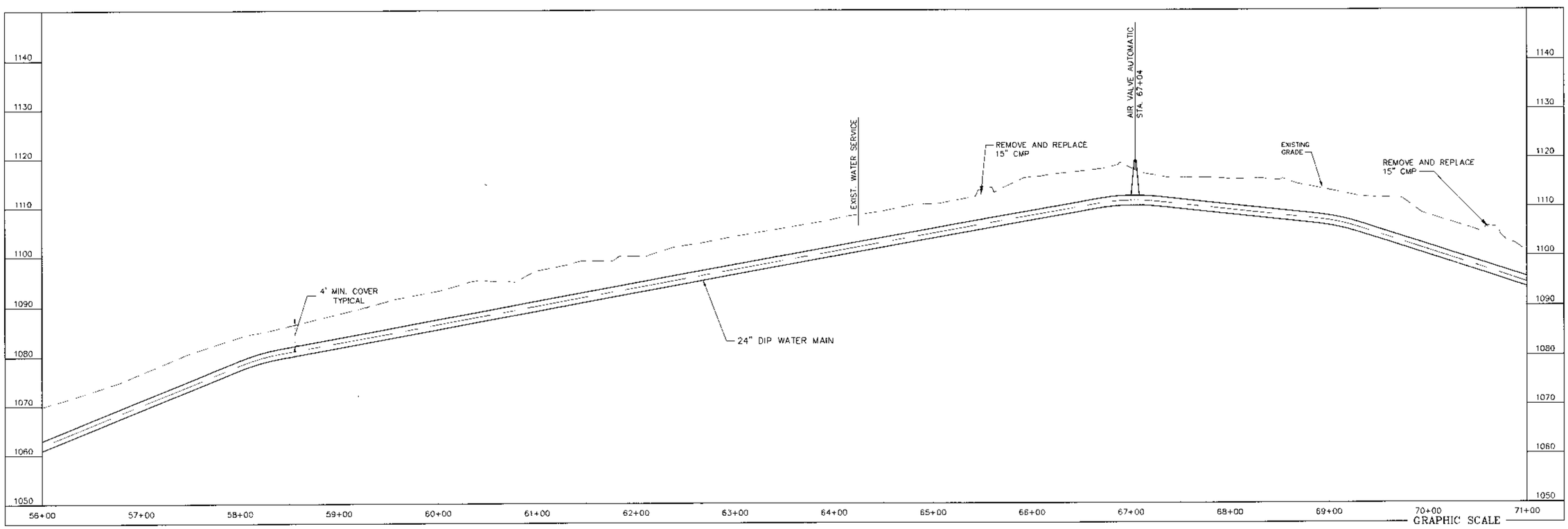
PLAN & PROFILE
STA. 43+00 - 56+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	4	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS, FULTON COUNTY, GEORGIA

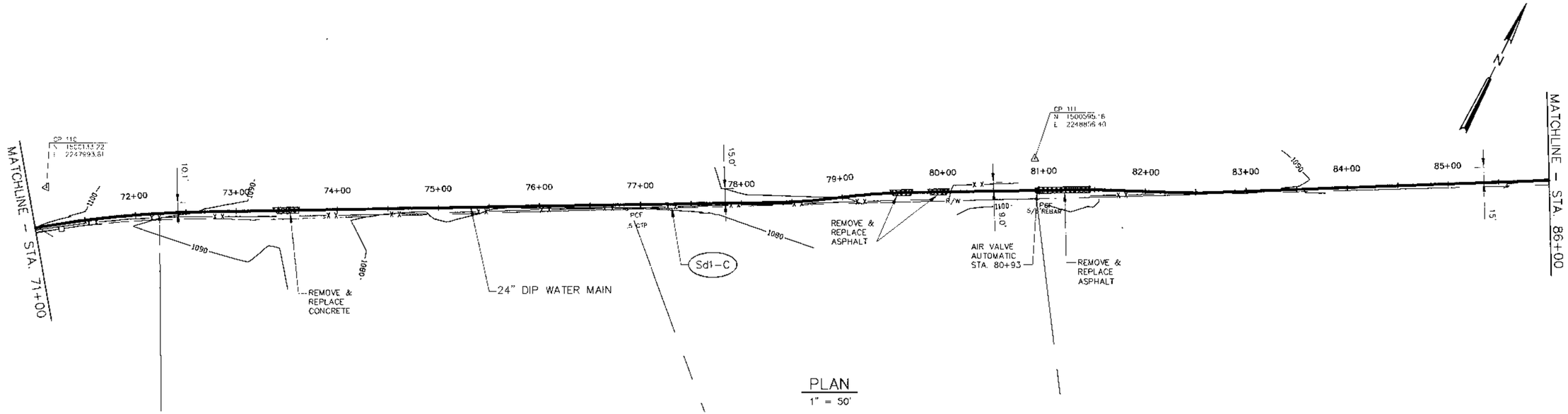
GEORGIA REGISTERED PROFESSIONAL ENGINEER HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

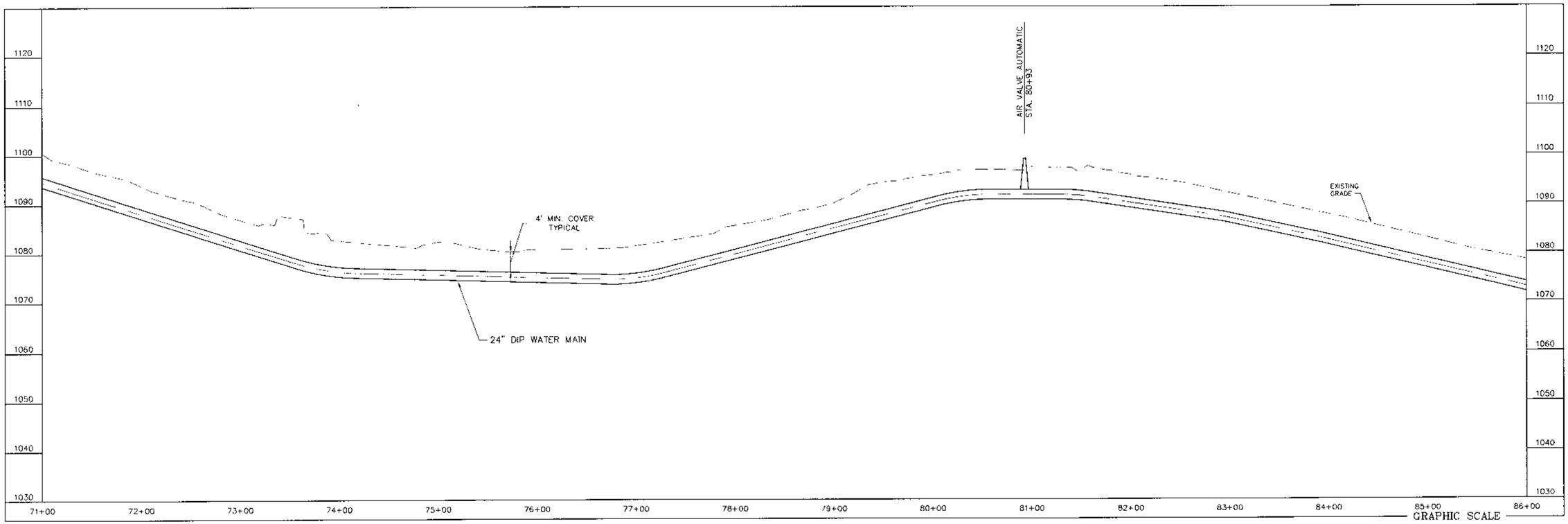
PLAN & PROFILE
STA. 56+00 – 71+00

DESIGNED: HEB	CHECKED: TWM	DATE: MAY 2007	5	0
DRAWN: CBM	JOB NO. D2016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

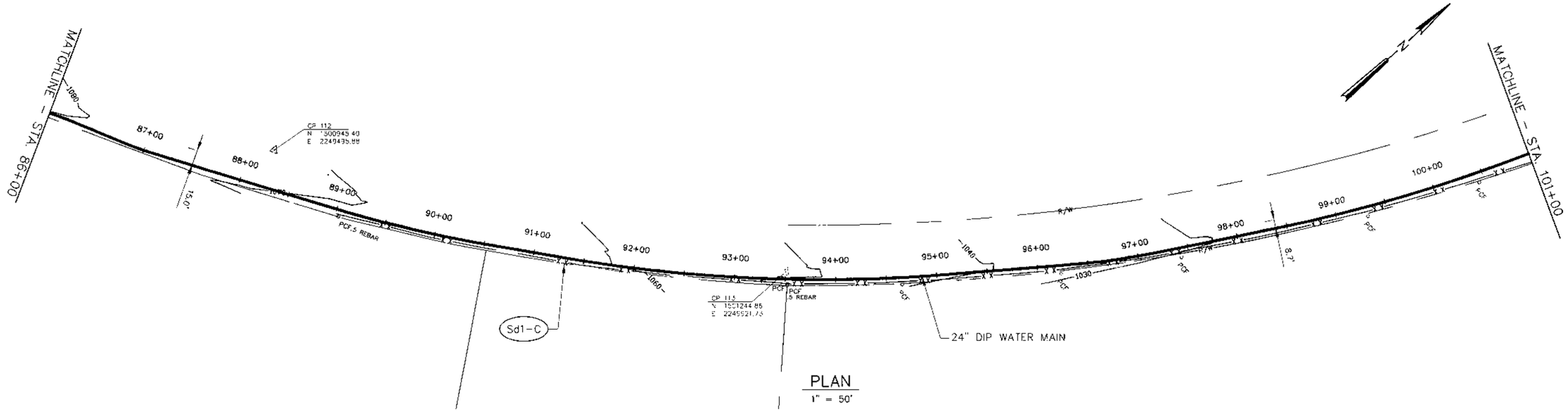
GEORGIA REGISTERED PROFESSIONAL ENGINEER HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

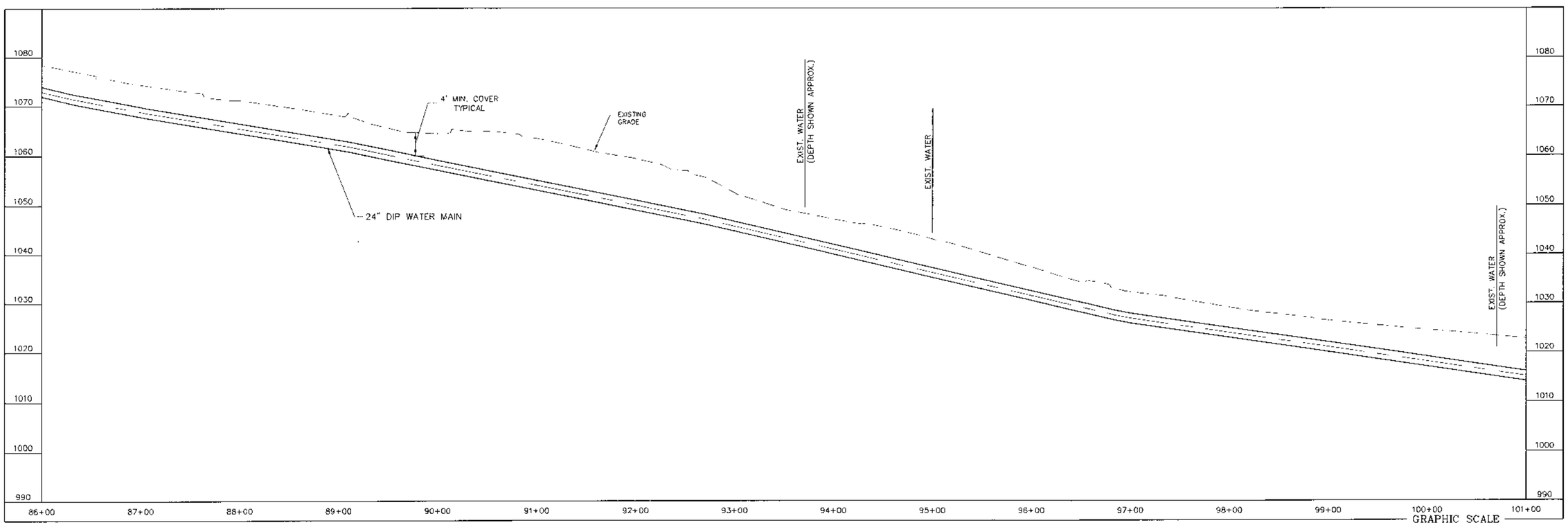
PLAN & PROFILE
STA. 71+00 – 86+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	6	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Boulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

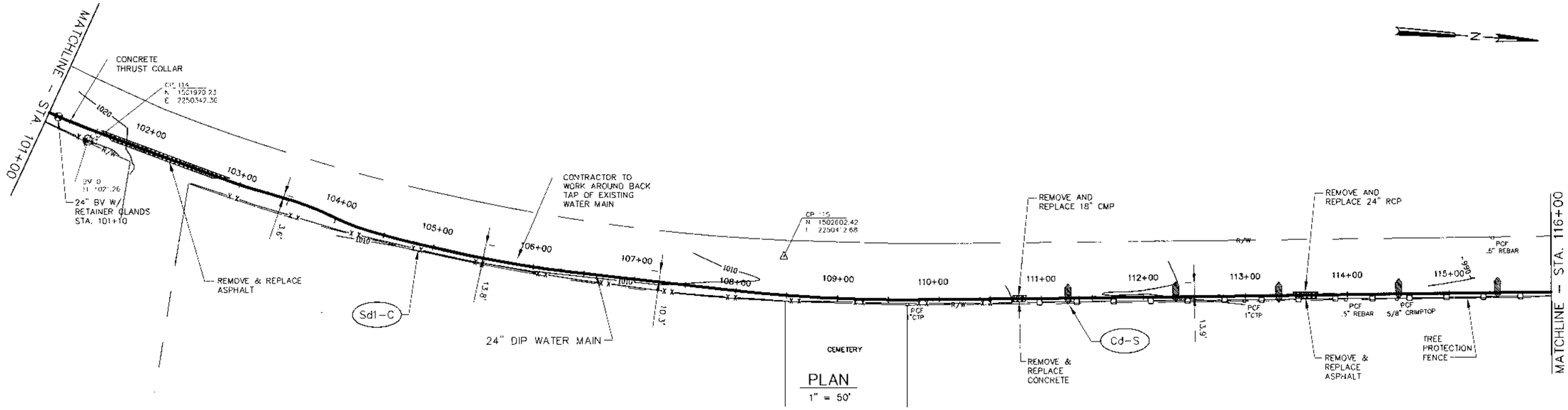
GEORGIA REGISTERED PROFESSIONAL ENGINEER HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

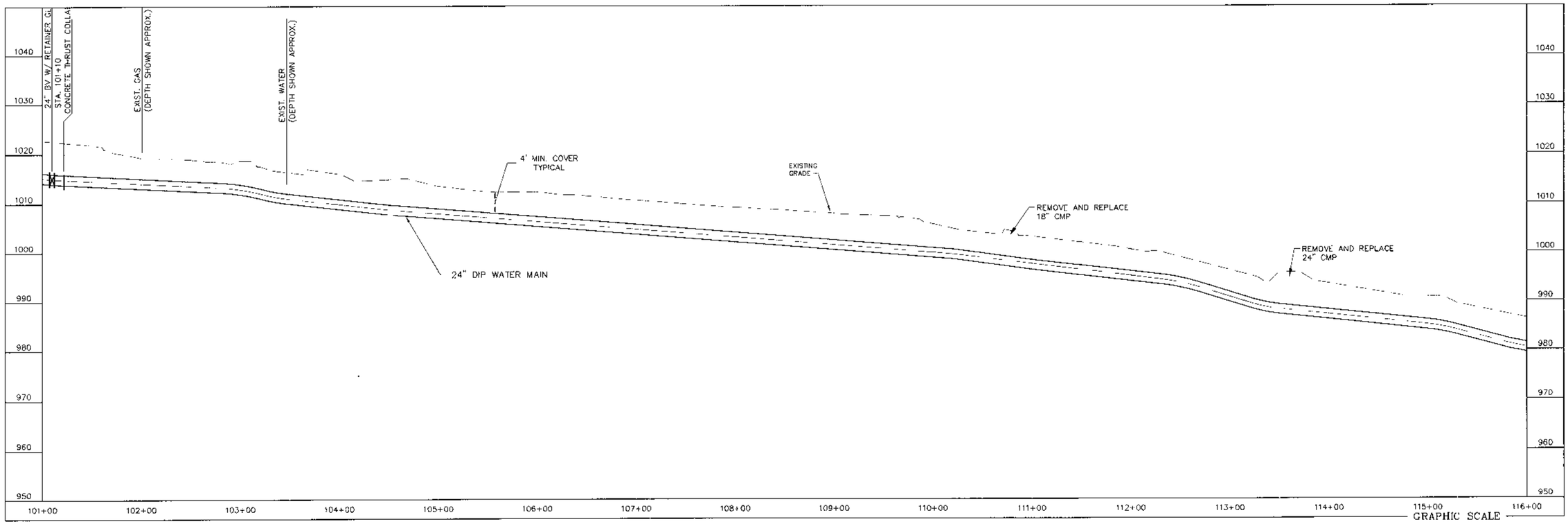
PLAN & PROFILE
STA. 86+00 - 101+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	7	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Boulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

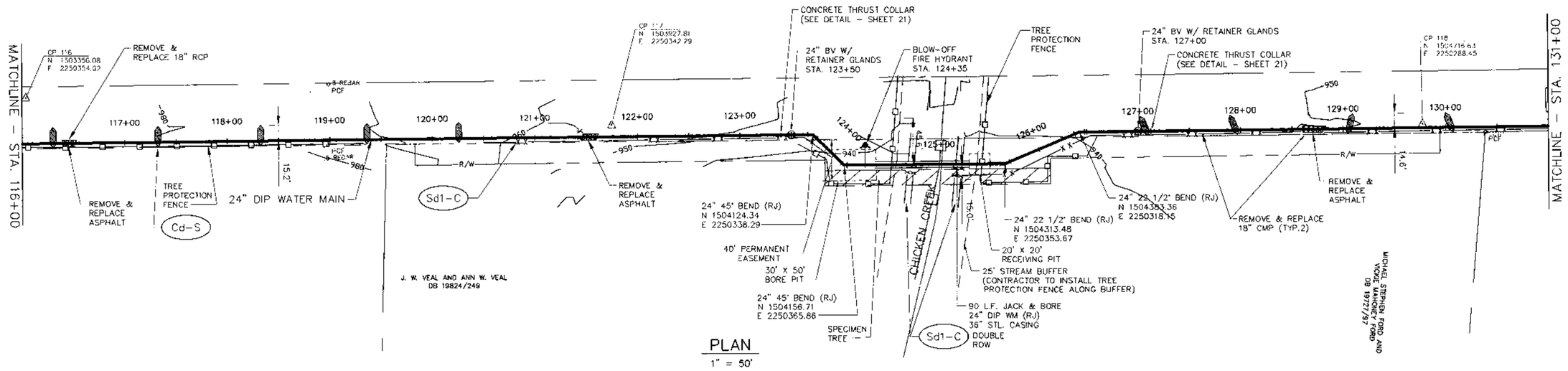
GEORGIA REGISTERED PROFESSIONAL ENGINEER HERBERT E. BECTON III

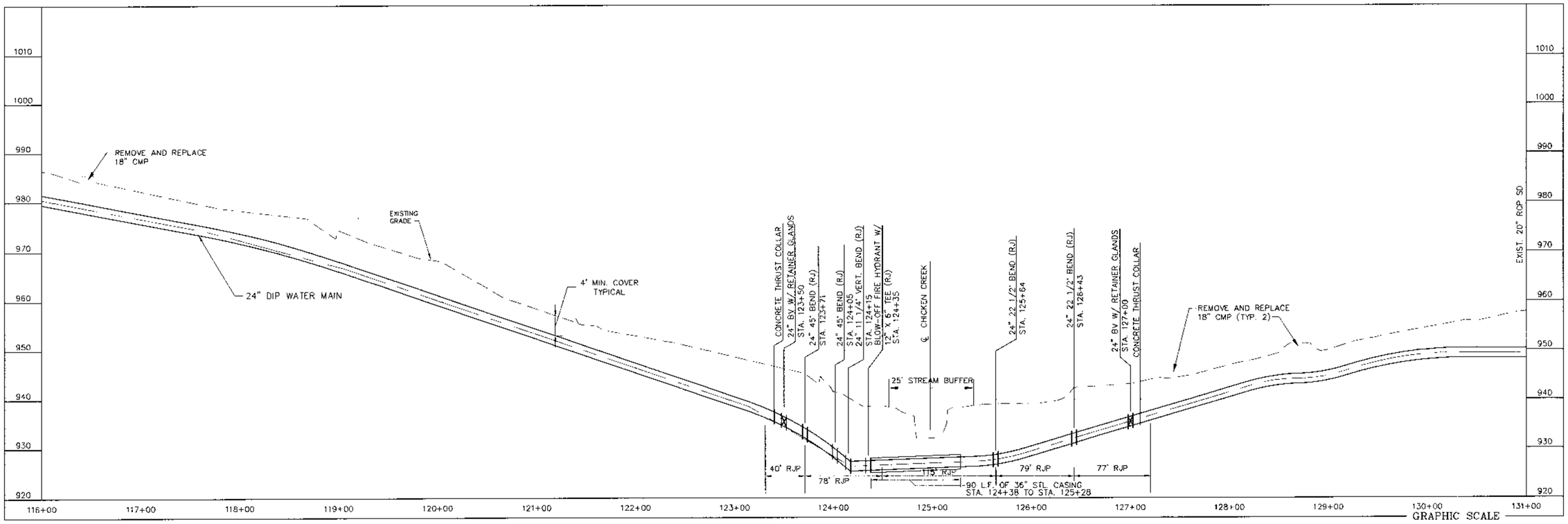
FREEMANVILLE ROAD WATER MAIN

PLAN & PROFILE
STA. 101+00 - 116+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	8	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE





PROFILE
1" = 50' HORZ.
1" = 10' VERT.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

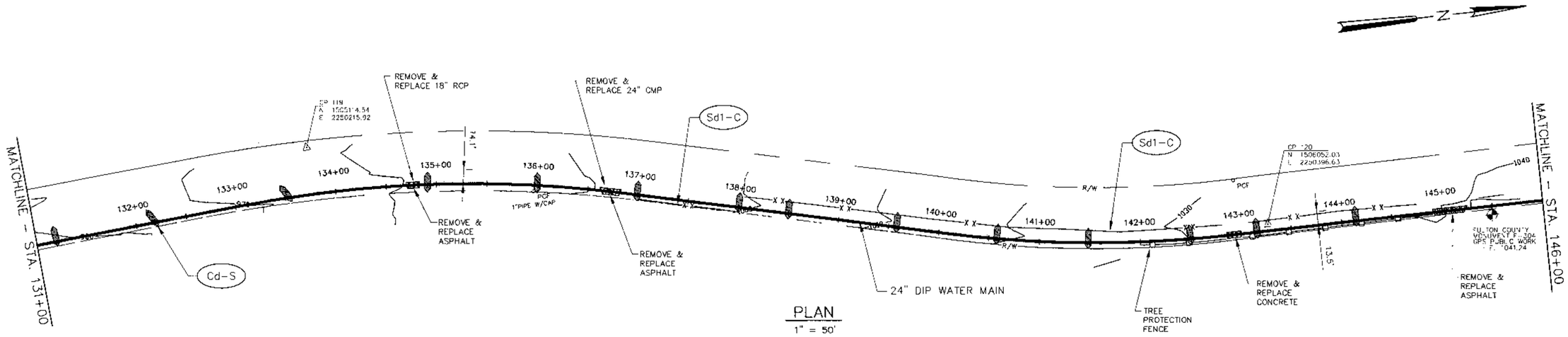
GEORGIA REGISTERED No. 30024 PROFESSIONAL ENGINEER ROBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

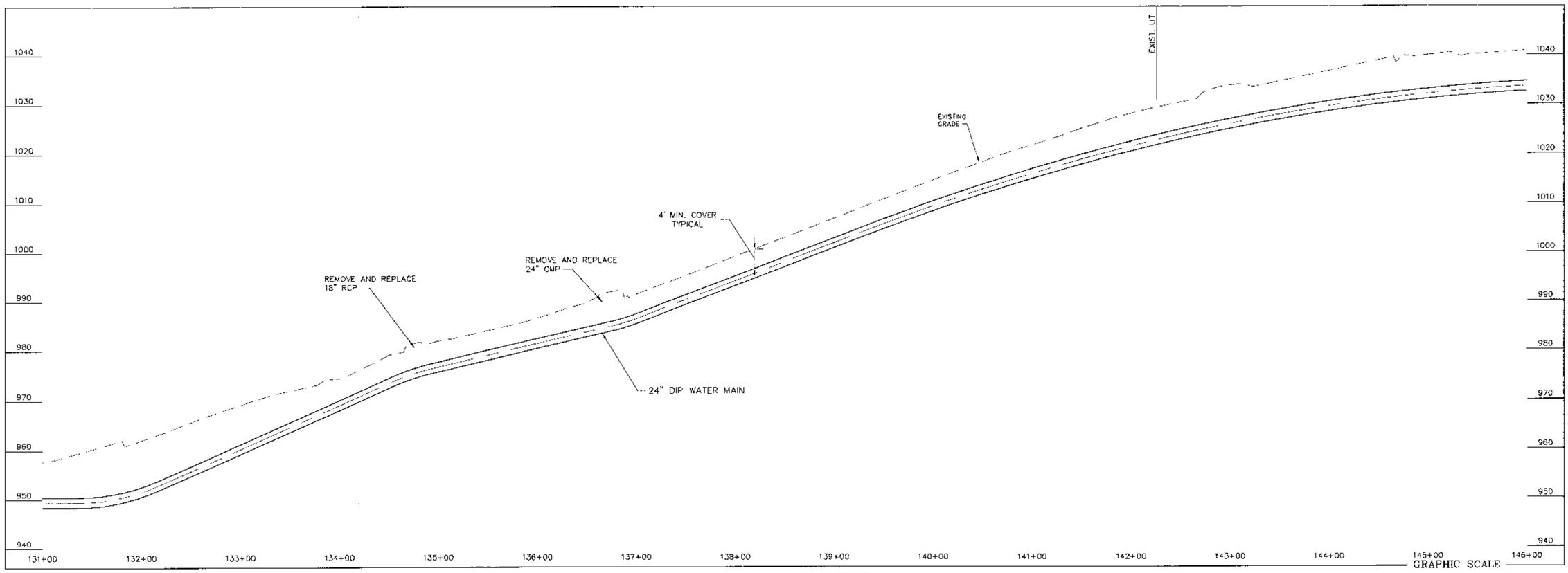
PLAN & PROFILE
STA. 116+00 – 131+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	9	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE ——— IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

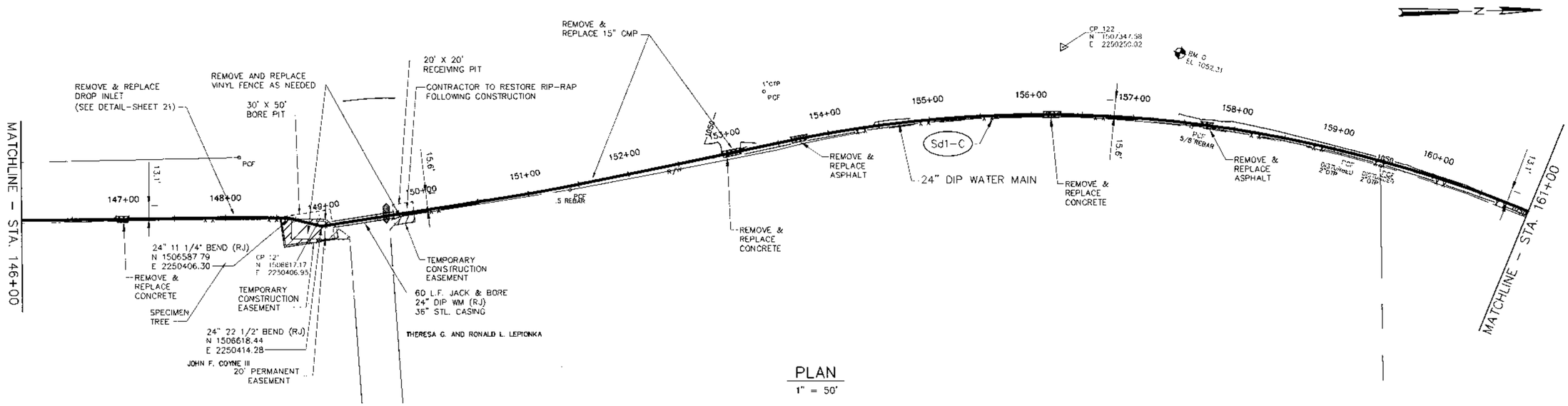
GEORGIA REGISTERED PROFESSIONAL ENGINEER HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

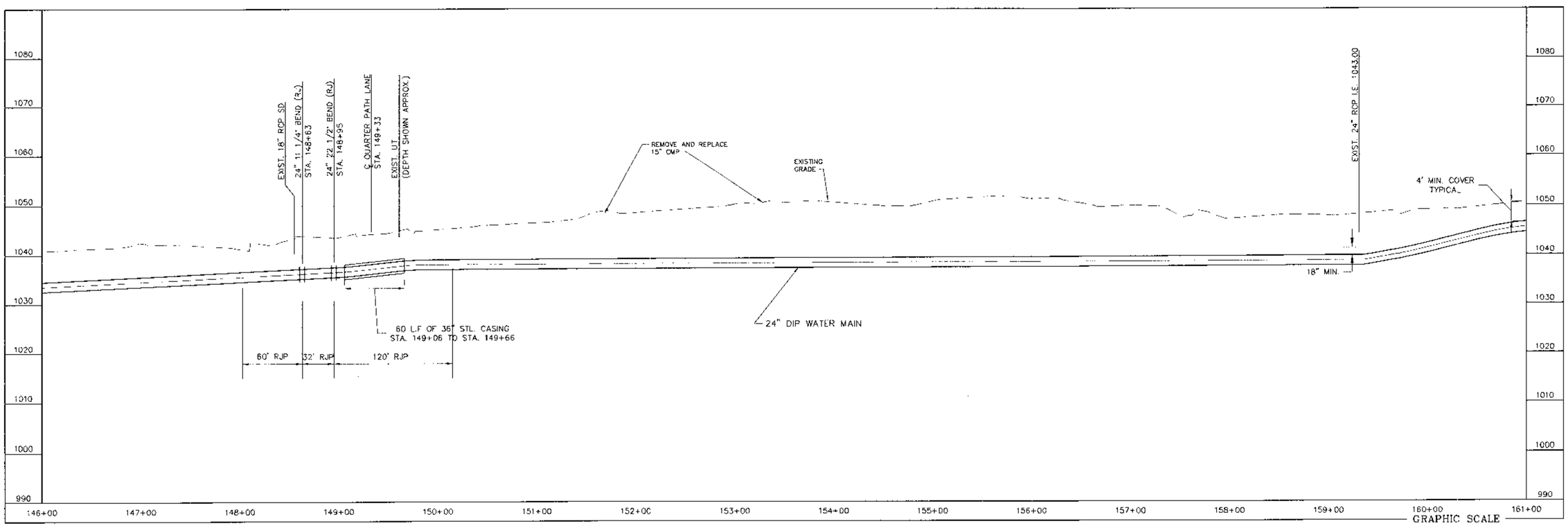
PLAN & PROFILE
STA. 131+00 – 146+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	10	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE — IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Boulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT E. BECTON III

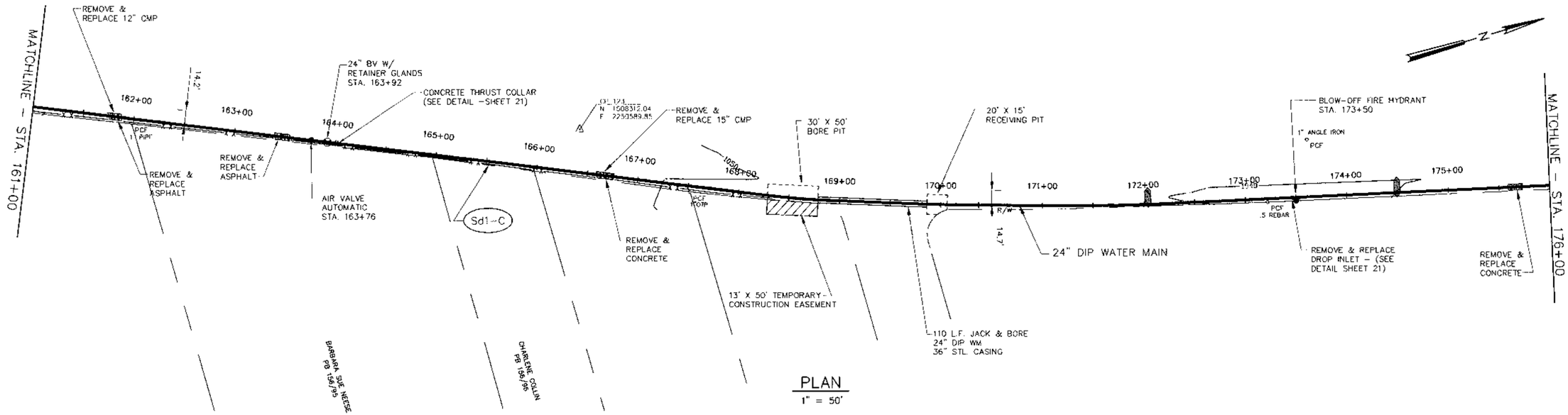
FREEMANVILLE ROAD WATER MAIN

PLAN & PROFILE
STA. 146+00 – 161+00

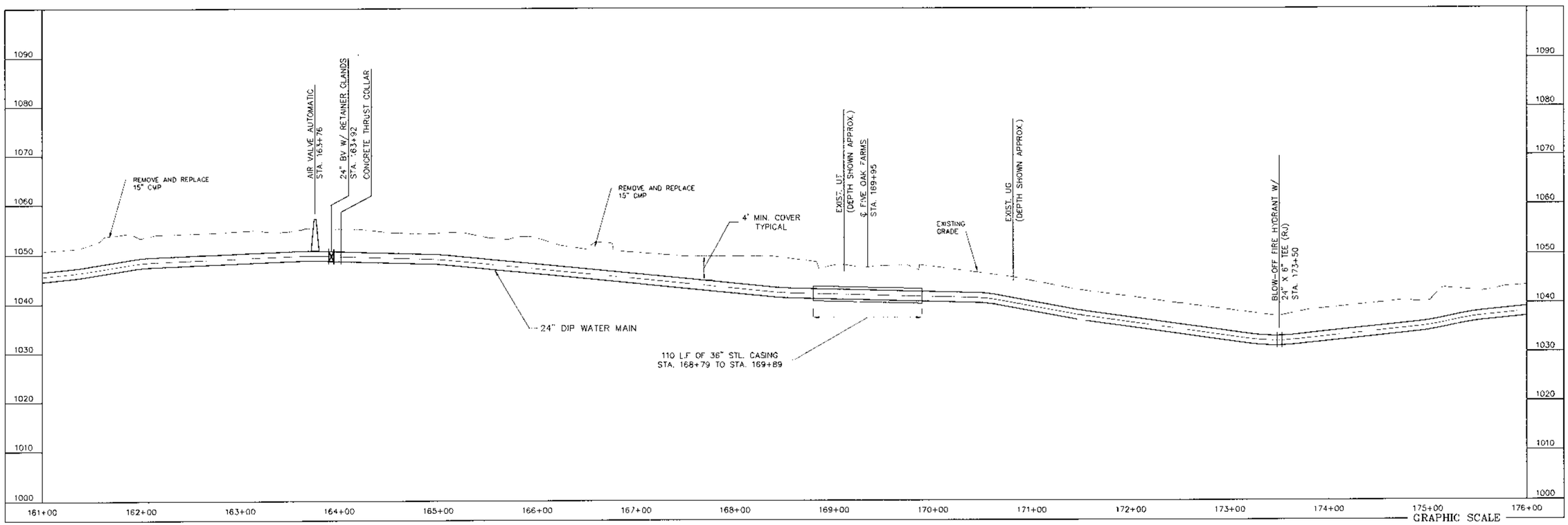
DESIGNED: HEB	CHECKED:	DATE: MAY 2007	11	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE ____ IS ONE INCH LONG WHEN PLOTTED FULL SCALE

rm 66C5A1 dwg
05.24.07



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft

THIS LINE ____ IS ONE INCH LONG WHEN PLOTTED FULL SCALE

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

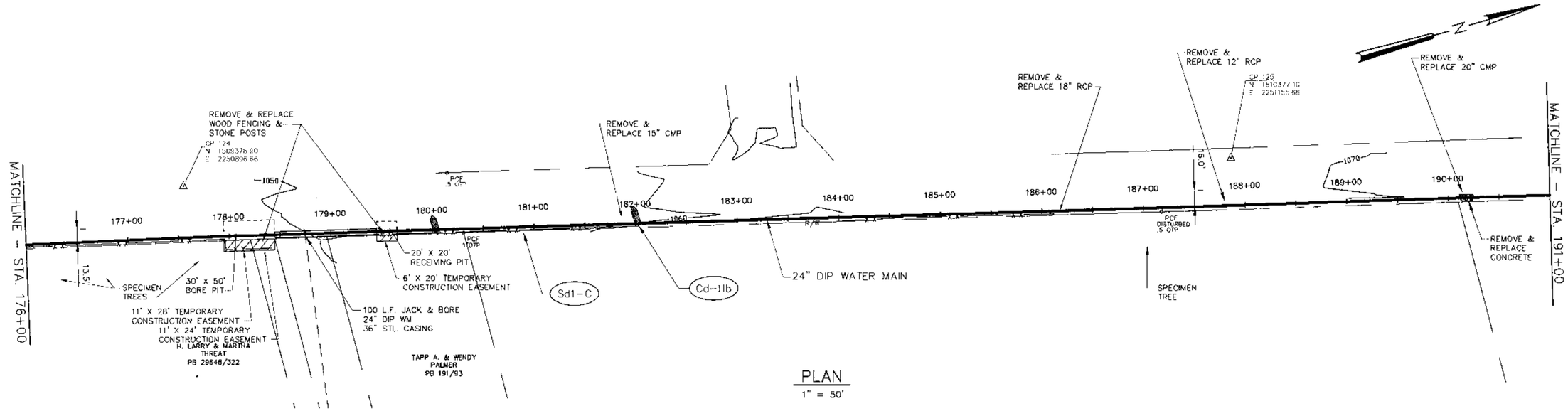
BOARD OF COMMISSIONERS, FULTON COUNTY, GEORGIA

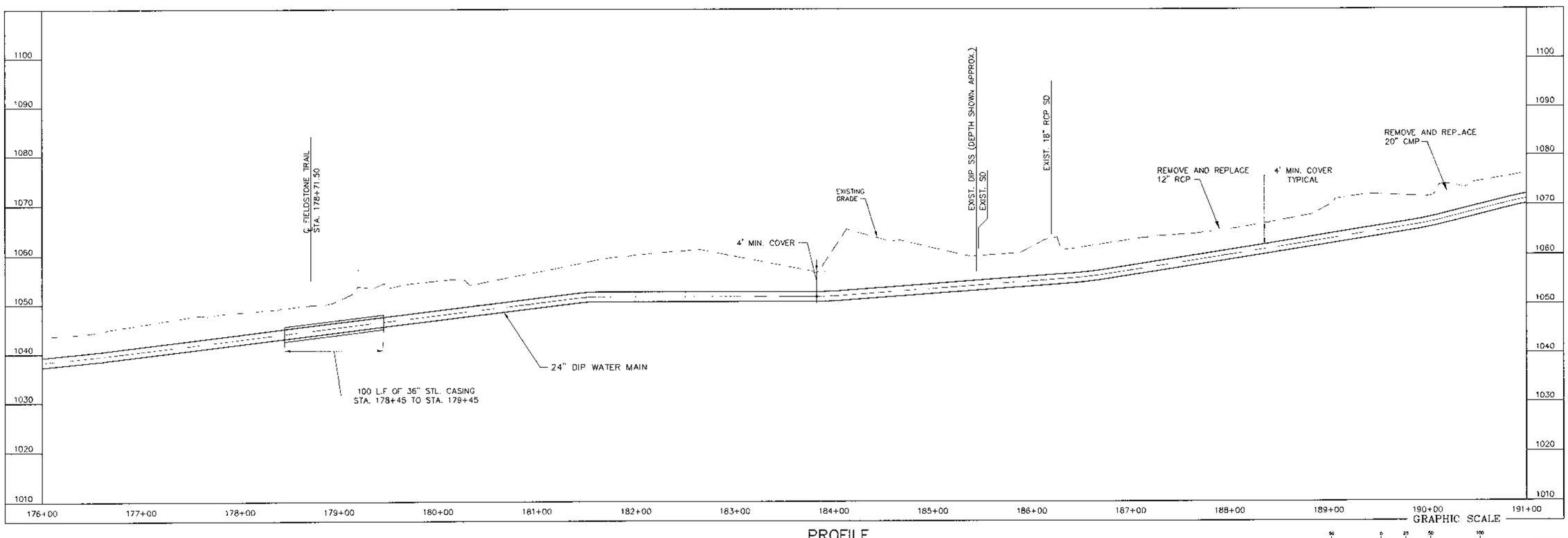
GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

PLAN & PROFILE
STA. 161+00 – 176+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	12	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV





PROFILE
1" = 50' HORZ.
1" = 10' VERT.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS, FULTON COUNTY, GEORGIA

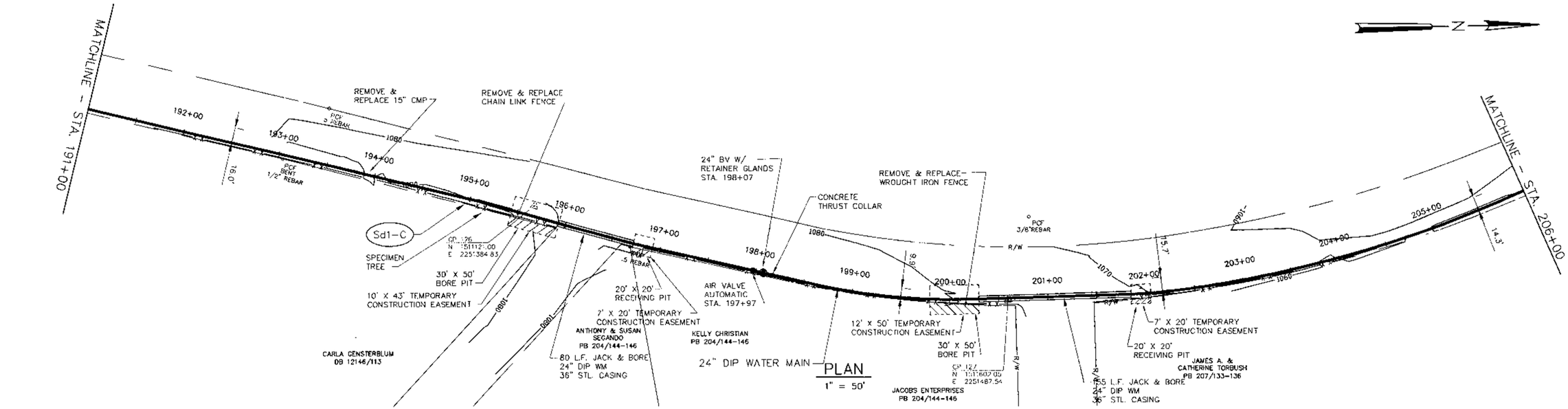
GEORGIA REGISTERED No. 30024 PROFESSIONAL ENGINEER HERBERT E. BECTON III

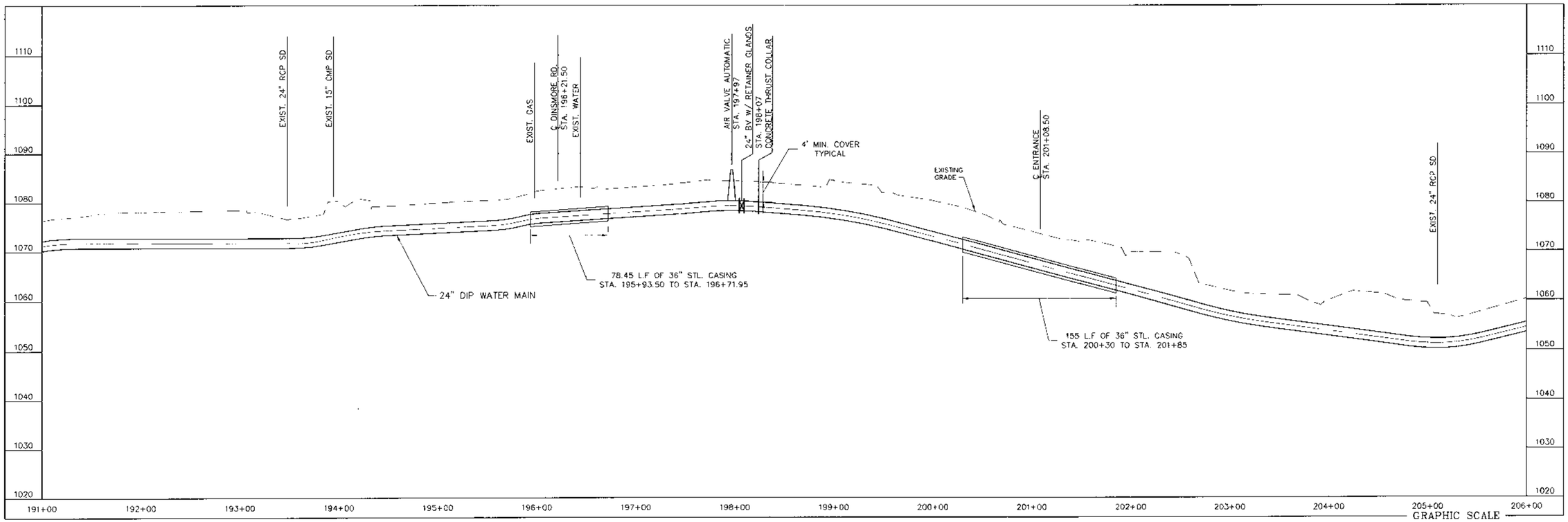
FREEMANVILLE ROAD WATER MAIN

PLAN & PROFILE
STA. 176+00 – 191+00

DESIGNED: HEB	CHECKED: TAM	DATE: MAY 2007	13	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE





PROFILE
1" = 50' HORZ.
1" = 10' VERT.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 30034 HERBERT E. BECTON III

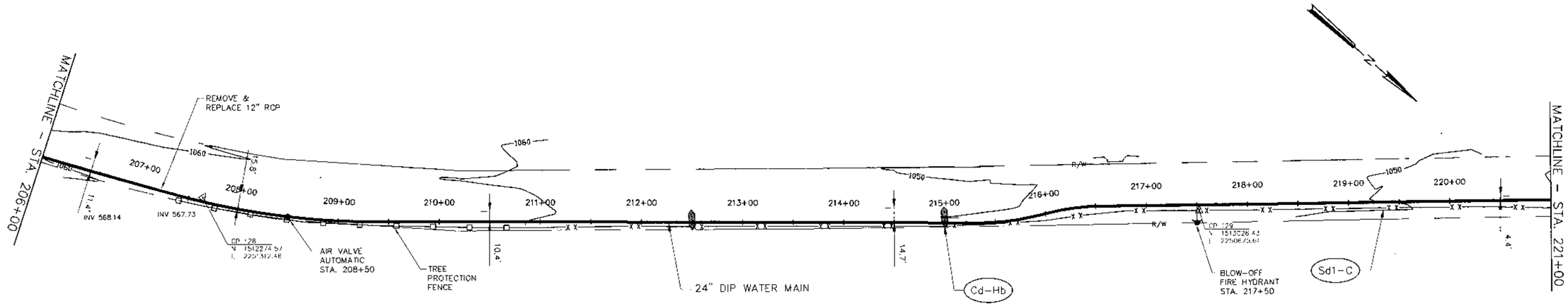
FREEMANVILLE ROAD WATER MAIN

PLAN & PROFILE
STA. 191+00 – 206+00

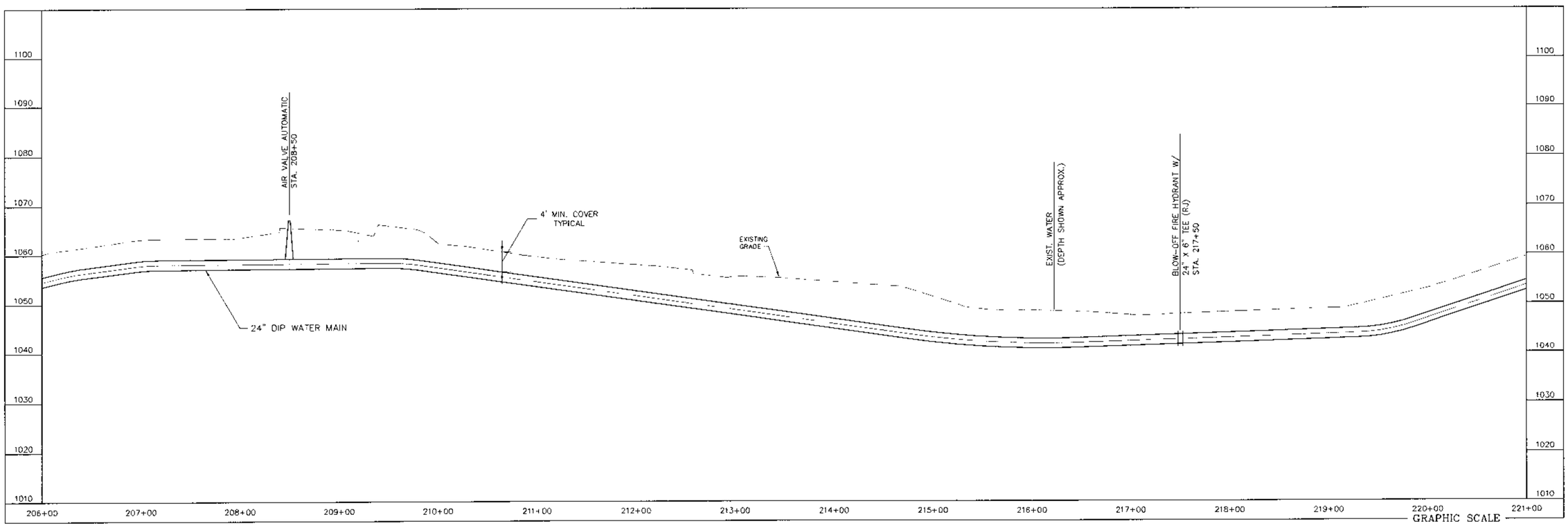
DESIGNED: HEB	CHECKED:	DATE: MAY 2007	14	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE ____ IS ONE INCH LONG WHEN PLOTTED FULL SCALE

rr JEG:ab dwg 05.24.07



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

(IN FEET)
1 inch = 50 ft.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5–25–07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

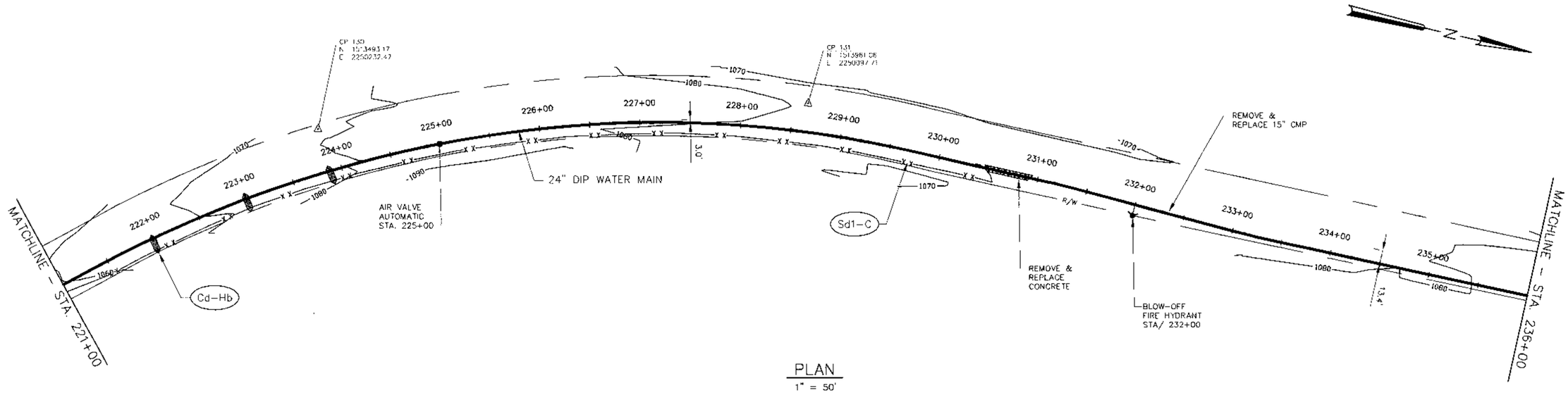
GEORGIA REGISTERED No. 30624 PROFESSIONAL ENGINEER HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

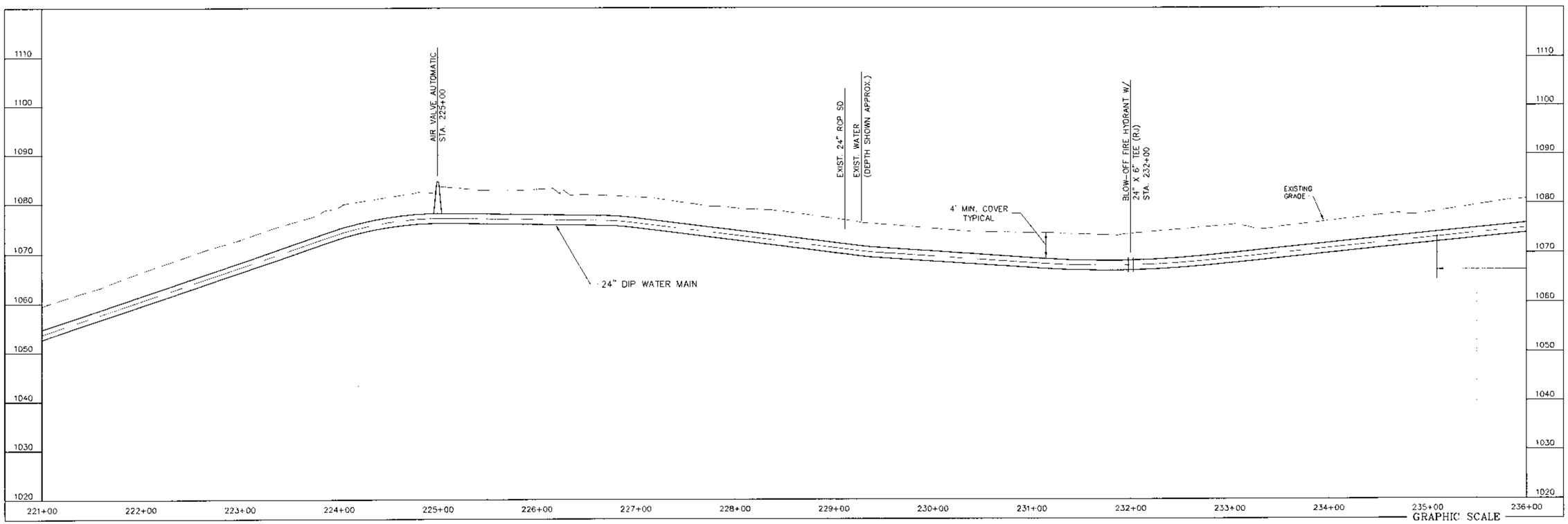
PLAN & PROFILE
STA. 206+00 – 221+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	15	0
DRAWN: CBM	JOB NO 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

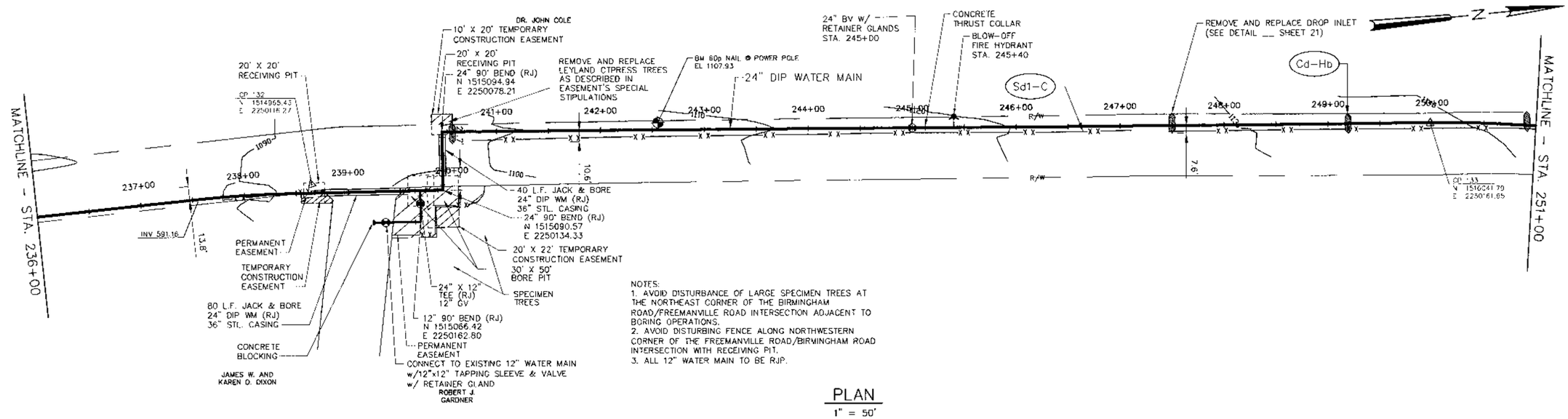
GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 30024 HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

PLAN & PROFILE
STA. 221+00 - 236+00

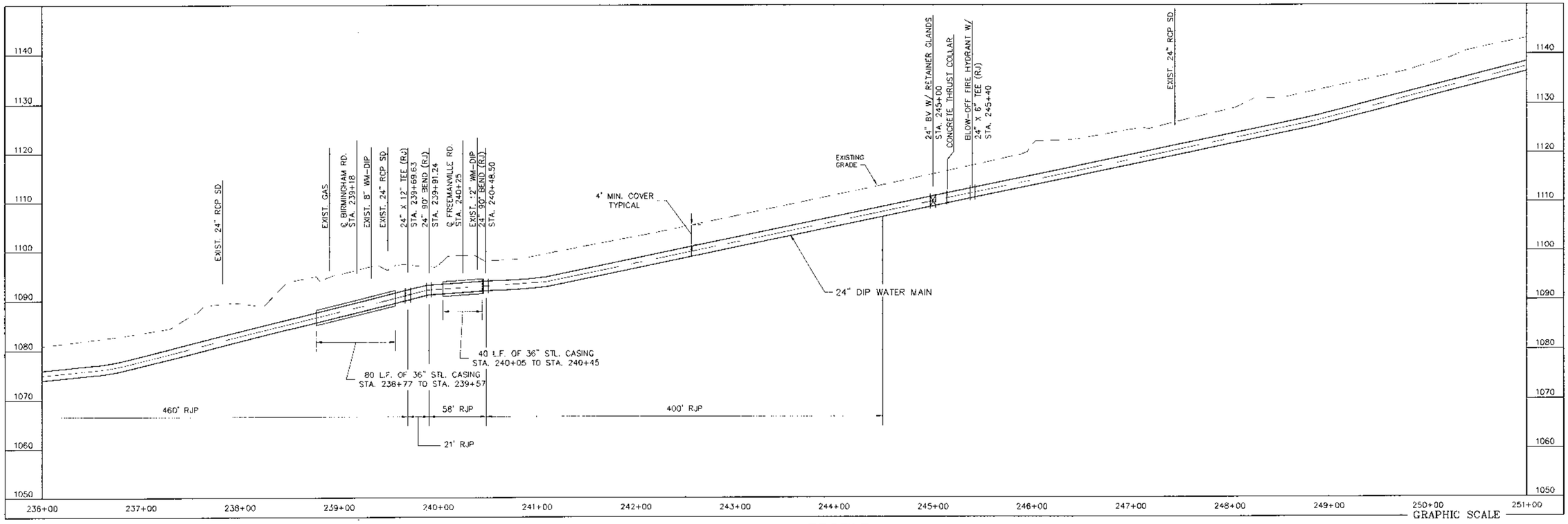
DESIGNED: HEB	CHECKED:	DATE: MAY 2007	16	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE ____ IS ONE INCH LONG WHEN PLOTTED FULL SCALE



NOTES:
1. AVOID DISTURBANCE OF LARGE SPECIMEN TREES AT THE NORTHEAST CORNER OF THE BIRMINGHAM ROAD/FREEMANVILLE ROAD INTERSECTION ADJACENT TO BORING OPERATIONS.
2. AVOID DISTURBING FENCE ALONG NORTHWESTERN CORNER OF THE FREEMANVILLE ROAD/BIRMINGHAM ROAD INTERSECTION WITH RECEIVING PIT.
3. ALL 12" WATER MAIN TO BE RJP.

PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

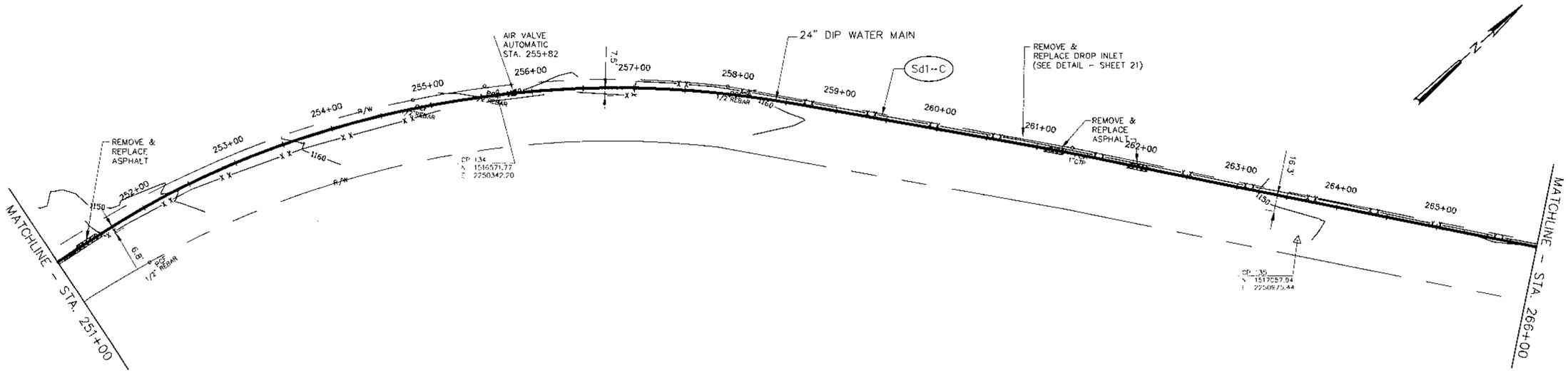
GEORGIA REGISTERED No. 20074 PROFESSIONAL ENGINEER HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

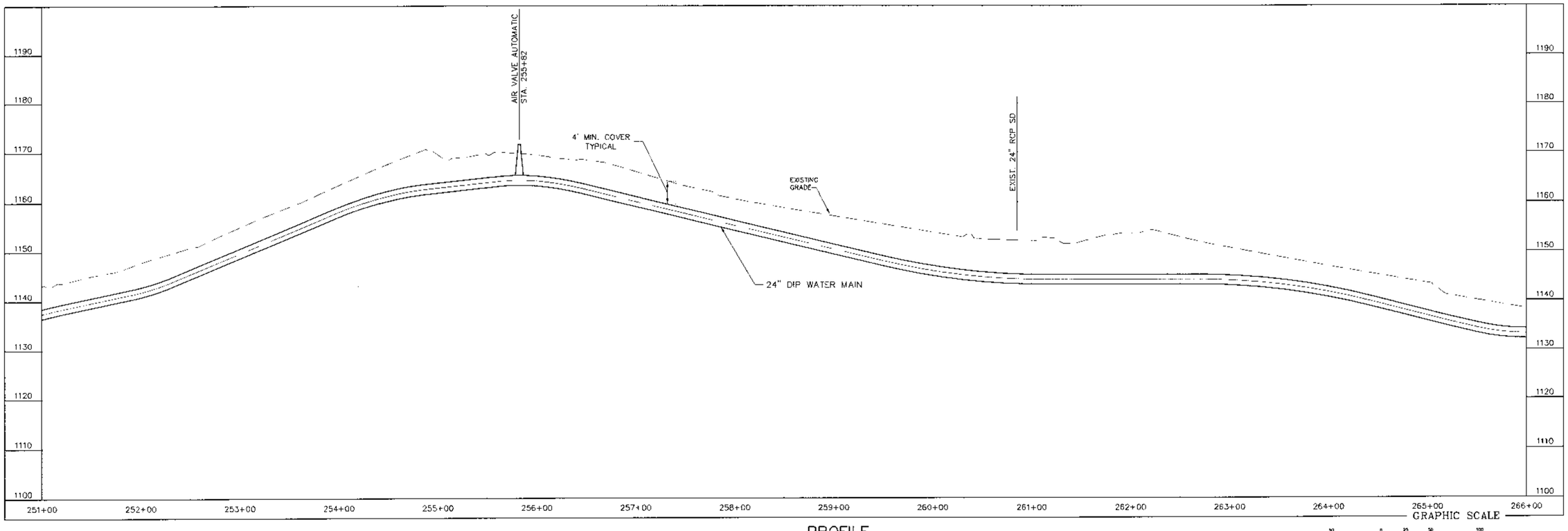
PLAN & PROFILE
STA. 236+00 – 251+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	17	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE ____ IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

(IN FEET)
1 inch = 50 ft.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Boulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

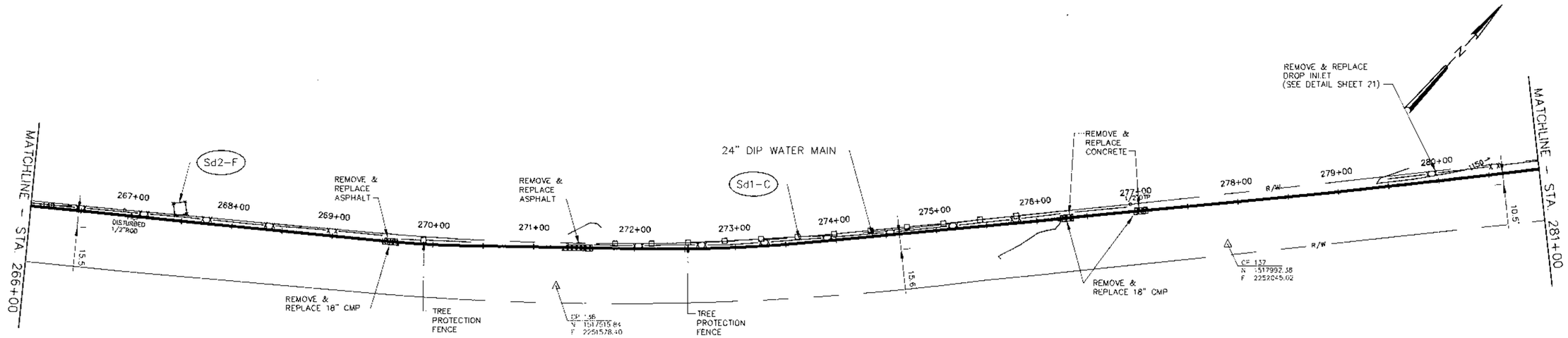
GEORGIA REGISTERED No. 30024 PROFESSIONAL ENGINEER HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

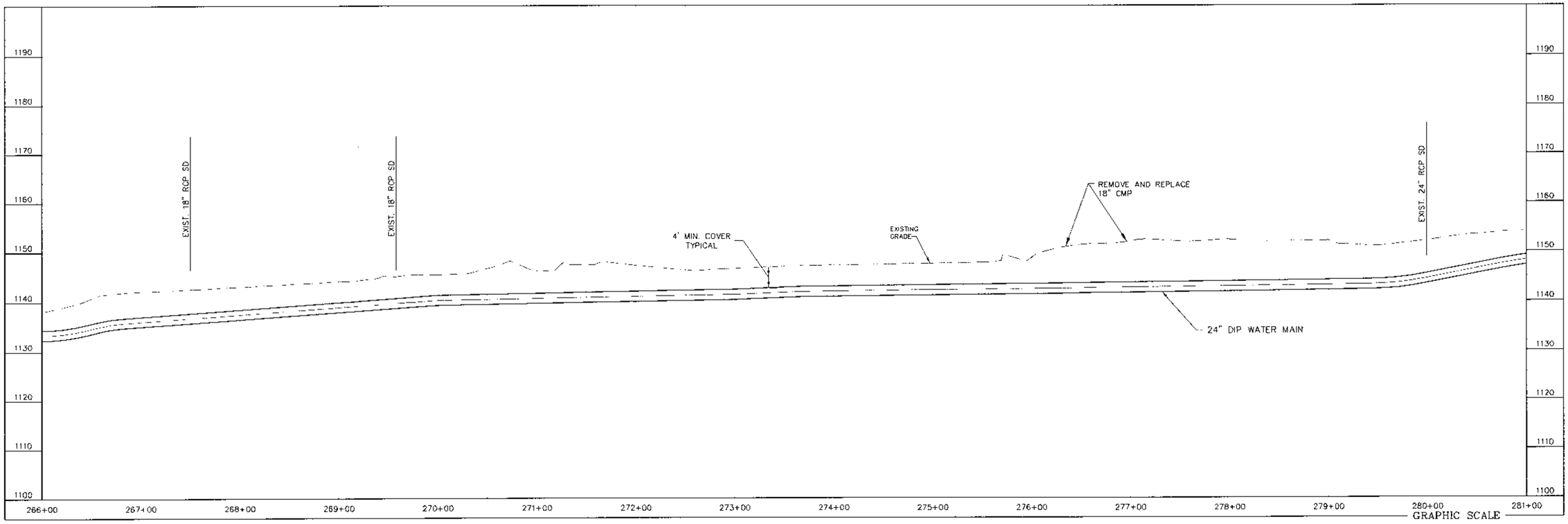
PLAN & PROFILE
STA. 251+00 – 266+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	18	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

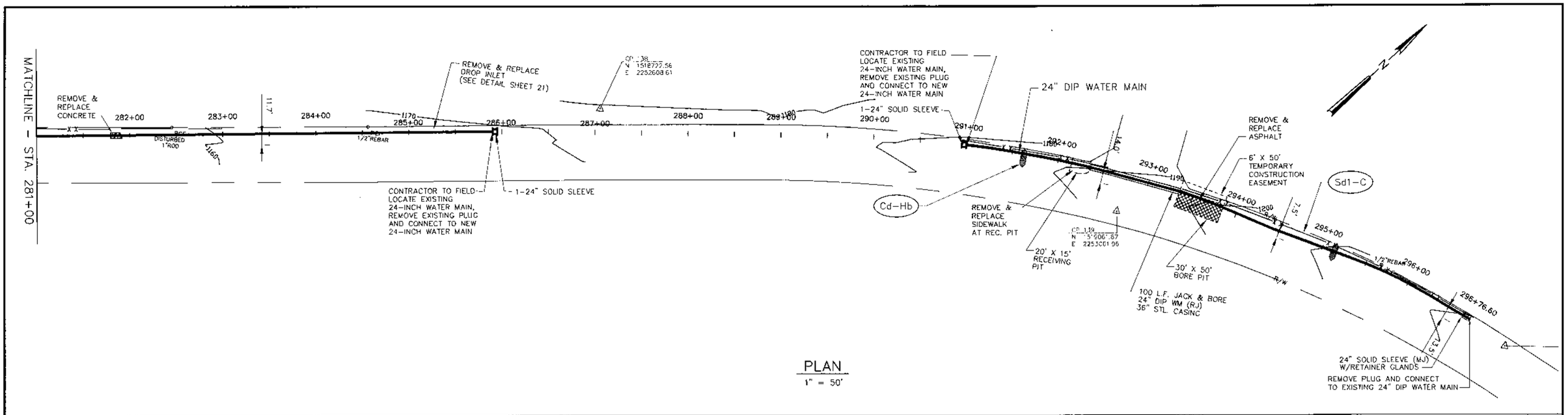
GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 30024 HERBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

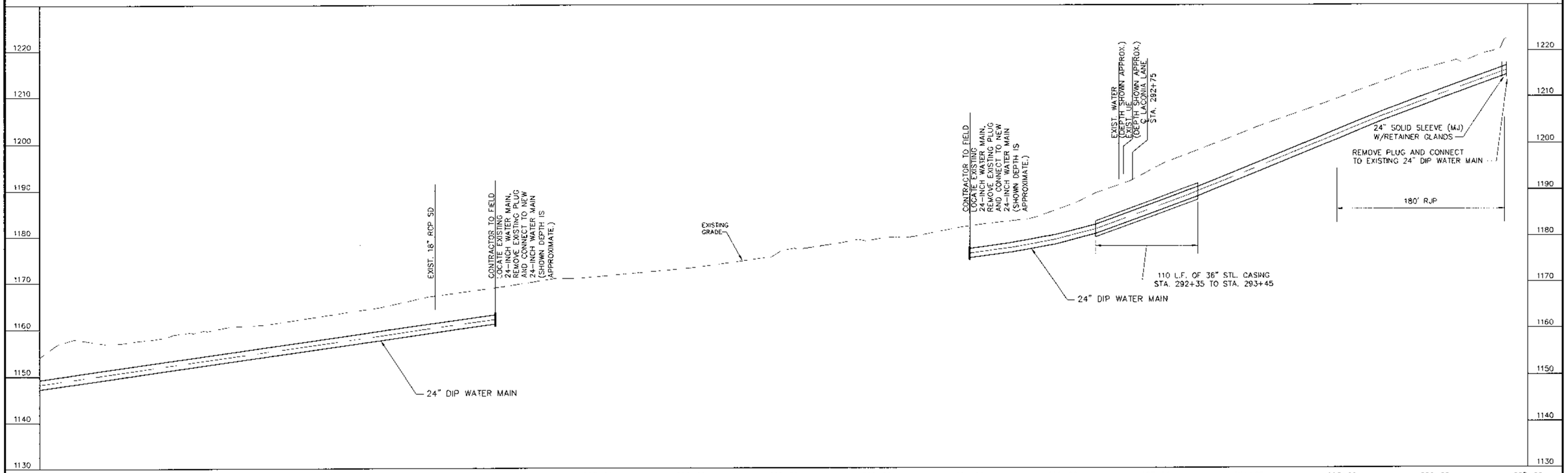
PLAN & PROFILE
STA. 266+00 – 281+00

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	19	0
DRAWN: CBM	JOB NO 02016029	SCALE: AS SHOWN	SHEET	REV

THIS LINE ____ IS ONE INCH LONG WHEN PLOTTED FULL SCALE



PLAN
1" = 50'



PROFILE
1" = 50' HORZ.
1" = 10' VERT.

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

THIS LINE ____ IS ONE INCH LONG WHEN PLOTTED FULL SCALE

NOTES:
1. CONSTRUCTION OF THE WATER MAIN AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE "FULTON COUNTY STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, LATEST EDITION" AND THE DETAILS ON SHEET 21.
2. INSTALL DETECTION TAPE AND ELECTRONIC MARKER BALLS ALONG WATER MAIN AS NOTED ON SHEET 21.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

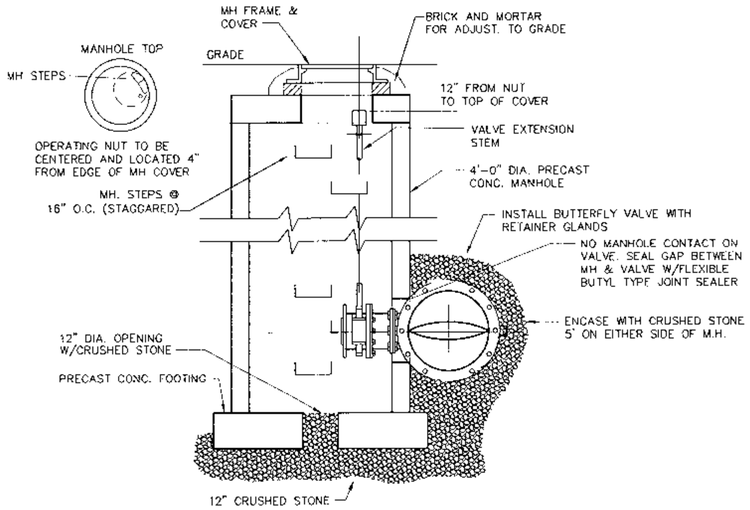
BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

GEORGIA REGISTERED No. 20024 PROFESSIONAL ENGINEER ROBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

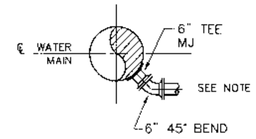
PLAN & PROFILE
STA. 281+00 – 296+81.74 (END)

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	20	0
DRAWN: CBM	JOB NO. 02016029	SCALE: AS SHOWN	SHEET	REV



HORIZONTAL BUTTERFLY VALVE INSTALLATION DETAIL

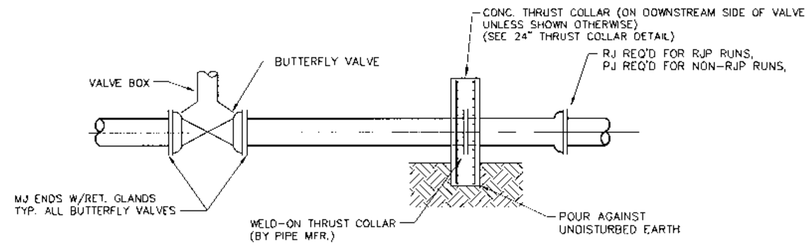
N.T.S.



NOTE: SEE TYPICAL FIRE HYDRANT DETAILS FOR CONTINUATION. PROVIDE RETAINER GLANDS FOR CONNECTION BETWEEN TANGENTIAL OUTLET AND A 6-INCH GATE VALVE.

BLOW-OFF FIRE HYDRANT CONNECTION

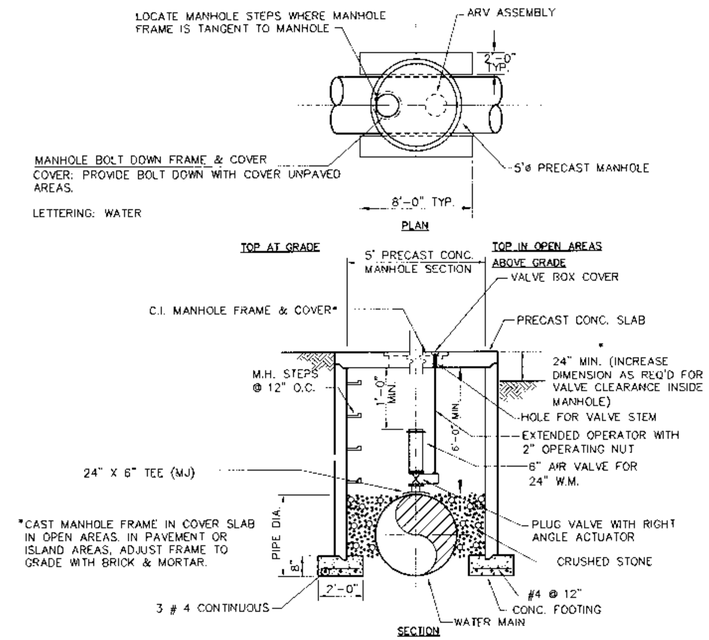
N.T.S.



NOTE: FOR INSTALLATION OF 24-INCH BUTTERFLY VALVES ONLY.

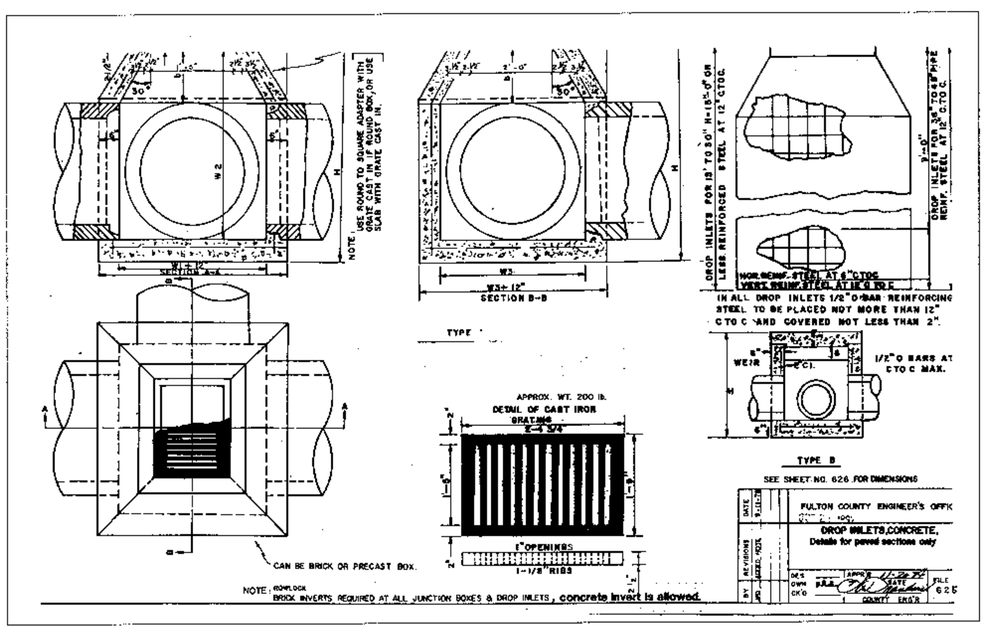
BUTTERFLY VALVE RESTRAINT DETAIL

N.T.S.



WATER AIR RELEASE VALVE MANHOLE DETAIL

N.T.S.



D	W1	TYPE A MIN-W2	W3	a	b	MIN-H	NORMAL W OR W1	TYPE B MIN-h	MIN-H
15"	2'-0"	2'-6 1/2"	2'-7"	0'-3 1/2"	0'-6"	3'-3"	2'-0"	2'-7 1/2"	3'-3 1/2"
18"	2'-0	2'-9 1/2"	2'-7"	0'-3 1/2"	0'-6"	3'-6"	2'-3"	2'-10"	4'-0"
24"	2'-8"	4'- 1/2"	3'-3"	0'-7 1/2"	1'-1"	4'-9"	3'-0"	3'-8"	4'-10"
30"	3'-4"	5'-1-1/2"	3'-11"	0'-11 1/2"	1'-6"	5'-10"	3'-6-1/2"	4'-2 1/2"	5'-4 1/2"
36"	3'-10"	6'- 1-1/2"	4'-5"	1'-2 1/2"	2'-1 1/4"	6'-10"	4'-2"	4'-10"	6'-0"
42"	4'-5"	7'-2-1/2"	5'-0"	1'-6"	2'-7 1/2"	7'-11"	4'-8-1/2"	5'-4 1/2"	6'-6 1/2"
48"	5'-0"	8'-3-1/2"	5'-7"	1'-9 1/2"	3'-1 1/4"	9'-0"	5'-3-1/2"	6'-11 1/2"	7'-11 1/2"
54"	5'-7"	9'-4-1/2"	6'-2"	2'-1"	3'-7 1/4"	10'-1"	5'-10"	6'-6"	7'-6"
60"	6'-2	10'-5-1/2"	6'-8"	2'-4 1/2"	4'-1 1/2"	11'-2	6'-4-1/2"	7'-0 1/2"	8'-2 1/2"
66"	6'-8"	11'-6-1/2"	7'-4"	2'-8"	4'-7 1/2"	12'-3"	6'-11"	7'-7"	8'-9"
72"	7'-4"	12'-7-1/2"	7'-11"	2'-11 1/2"	5'-1 1/4"	13'-4"	7'-5-1/2"	8'-1 1/2"	9'-3

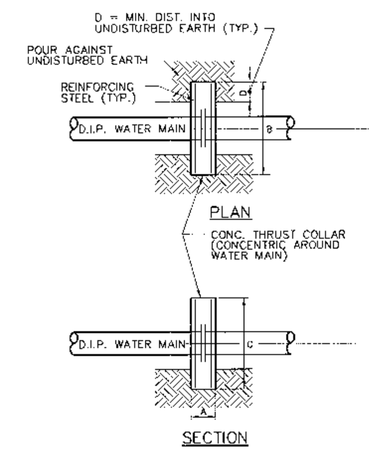
CONCRETE D.I.

D	W1	TYPE A MIN-W2	W3	a	b	MIN-H	NORMAL W OR W1	TYPE B MIN-h	MIN-H
15	2'-2"	2'-11"	2'-9"	0'-4 1/2"	0'-8"	3'-8 1/2"	2'-0"	2'-7 1/2"	3'-7 1/2"
18"	2'-2"	3'-2 1/2"	2'-9"	0'-4 1/2"	0'-8"	4'-1"	2'-0"	2'-10"	3'-10"
24"	2'-8"	3'-3"	3'-3"	0'-7 1/2"	1'-1 1/4"	4'-9"	3'-0"	3'-8"	4'-8"
30"	3'-7 1/4"	4'-0"	3'-10"	1'-0	1'-9"	5'-10	3'-6 1/2"	4'-2 1/2"	5'-10"
36"	4'-2"	6'-0 1/2"	4'-8"	1'-4 1/2"	2'-2 1/4"	6'-11"	4'-2"	4'-10"	6'-10"
42"	4'-8"	7'-1- 3/4"	5'-0"	1'-6"	2'-7 1/4"	8'-0 1/4"	4'-8 1/2"	5'-4 1	6'-11 1/2"
48"	5'-0"	8'-2-3/4"	5'-7"	1'-9 1/2"	3'-1 1/4"	9'-11 1/4"	5'-3-1/2"	5'-11 1/2"	8'-11 1/2"
54"	5'-7"	9'-4"	6'-2"	2'-1"	3'-7 1/2"	10'-2 1/2"	5' -10"	6'-6"	7'-6"
60"	6'-2	10'-5	6'-8"	2'-4 1/2"	4'-1 1/2"	11'-3 1/4"	6'-4-1/2"	7'-0 1/2"	8'-0 1/2"
66"	6'-8"	11'-6"	7'-4"	2'-8"	4'-7 1/2"	12'-4 1/2"	6'-11"	7'-7"	8'-7"
72"	7'-4"	12'-7"	7'-11"	2'-11 1/2"	5'-2"	13'-5 1/2"	7'-5-1/2"	8'-1 1/2"	9'-1 1/2"

BRICK D.I.

NOTE
MAXIMUM VERTICAL DEPTH FOR DROP INLET H=15'-0"

FULTON COUNTY ENGINEER'S OFFICE
OCT 21 1980
DROP INLETS
DIMENSION
DATE
REVISIONS
DES
APPRO'D
626



MAIN DIA	CONCRETE COLLAR DIM. A	B	C	D	STEEL REINFORCING
24"	1'-9"	9'-0"	9'-0"	2'-6"	#9 @ 8" O.C. E.W.E.F.

TEST PRESSURE: 250 P.S.I.
SOIL BEARING PRESSURE: 3000 P.S.F.

WATER MAIN THRUST COLLAR DETAIL

N.T.S.

NOTE:
1. THESE DETAILS ARE SHOWN TO SUPPLEMENT TO THE DETAILS IN THE "STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, FULTON COUNTY, GEORGIA, JULY 2000"
2. INSTALL DETECTION TAPE ALONG WATER MAIN IN ACCORDANCE WITH SECTION 02665, ARTICLE 3.05(B)B OF THE STANDARD SPECIFICATIONS. ADDITIONALLY, INSTALL ELECTRONIC MARKER BALLS 3-5 FEET DEEP AT 100 FEET INTERVALS, AND AT EACH BEND, ALONG WATER MAIN. BALLS SHALL BE 3M SCOTCHMARK FULL RANGE ELECTRONIC MARKERS, MODEL DMS 1252.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS, FULTON COUNTY, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20036 ROBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

MISCELLANEOUS DETAILS

DESIGNED: HEB	CHECKED:	DATE: MAY 2007	21	0
DRAWN: CBM	JOB NO. 02016029	SCALE: NTS	SHEET	REV

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

rev 06-21 rms 05.24.07

SHEET 21

Primary Permittee	Operator	Qualified Personnel
OWNER/DEVELOPER.	CONTRACTOR	CIVIL ENGINEER:
BOARD OF COMMISSIONERS FULTON COUNTY, GEORGIA 141 PRYOR STREET, S.W., SUITE 3077 ATLANTA, GEORGIA 30303 PHONE (404) 893-0880	TO BE DETERMINED	JORDAN, JONES AND GOULDING, INC 6801 GOVERNORS LAKE PARKWAY NORCROSS, GEORGIA 30071 PHONE (770) 455-8555

24 HOUR CONTACT:
FULTON COUNTY UTILITY DEPARTMENT
THOMAS CZECIL
PHONE (770) 410-3421

Description of Existing Land Use
COUNTY ROAD RIGHT-OF-WAY

Site Purpose and Construction Activity
THE SITE WILL BE USED TO CONSTRUCT A WATER TRANSMISSION MAIN. THE CONSTRUCTION ACTIVITY WILL INCLUDE INSTALLATION OF CONSTRUCTION ENTRANCE AND OTHER EROSION AND SEDIMENT CONTROLS, UTILITY INSTALLATION AND FINAL STABILIZATION.

Site Description and Location
TOTAL SITE AREA – 41.32 AC
TOTAL AREA OF DISTURBANCE – 10.33 AC.
SOIL TYPES: LLOYD, CECIL, APPLING, MADISON & CHEWACLA

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 RIGHTS-OF-WAY ALONG PROVIDENCE ROAD AND FREEMANVILLE ROAD, 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.

Wetlands
THERE ARE WETLANDS ADJACENT TO THE SITE. AREAS SHOWN ARE APPROXIMATE.

Receiving Waters
RECEIVING WATERS FROM THE SITE – LAKE ALLATOONA

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

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

Erosion Control Notes – Fulton County

1. SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE OF THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATION, 1983 EDITION.
2. ADDITIONAL EROSION CONTROL MEASURES WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS.
3. WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE:
   A. 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.
   B. 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.
4. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE WILL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE.
5. 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
6. 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.
7. 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.
8. 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.
9. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS HALF THE HEIGHT OF THE SILT FENCE UTILIZED FOR EROSION CONTROL.
10. 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.
11. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
12. 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.
13. ALL CUT AND FILL SLOPES MUST BE SURFACE ROUGHED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
14. **EROSION CONTROL PRACTICES SHALL MEET THE STANDARDS OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, OR OTHER LOCAL HANDBOOKS.**
15. ALL FILL SLOPES SHALL HAVE SILT FENCE AT THE TOE OF THE SLOPE
16. A 25 OR 35 FOOT UNDISTURBED VEGETATIVE BUFFER ADJACENT TO ALL RUNNING STREAMS AND CREEKS WILL BE LEFT AND MAINTAINED. 20. MAXIMUM CUT OR FILL SLOPES ARE 2 HORIZONTAL TO 1 VERTICAL.

Best Management Practices

1. Stripping of vegetation, regrading, and other development activities shall be conducted in such a manner so as to minimize erosion.

2. Cut and fill operations shall be kept to a minimum, and will not endanger adjacent properties.
3. Development plans will conform to topography and soil type, so as to create the lowest practicable erosion potential;

4. Whenever feasible, natural vegetation shall be retained, protected, and supplemented;

5.

6. Disturbed soil shall be stabilized as quickly as practicable;

7. Temporary vegetation or mulching shall be employed to protect exposed critical areas during development;

8. Permanent vegetation and structural erosion control measures shall be installed as soon as practicable;

9. 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"

10. 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;

11. 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;

12. Fills shall not encroach upon natural water courses or constructed channels in a manner so as to adversely affect other property owners.

13. 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;

14. 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;

15. 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;

16. No construction activities shall be conducted within a 50-foot buffer, as measured horizontally from the point where vegetation has been wrested by normal stream flow or wave action, along the banks of any state waters classified as 'trout streams' except when approval is granted by the Director for alternate buffer requirements in accordance with the provisions of O.C.G.A. 12-7-6, or where a roadway drainage structure must be constructed; provided, however, that small springs and streams classified as 'trout streams' which discharge an average annual flow of 25 gallons per minute or less shall have a 25-foot buffer or they may be piped, at the discretion of the permittee, pursuant to the terms of a rule providing for a general variance promulgated by the Board of Natural Resources including notification of such to EPD and the local issuing authority of the location and extent of the piping and prescribed methodology for minimizing the impact of such piping and for measuring the volume of water discharged by the stream. Any such pipe must stop short of the down stream permittee's property, and the permittee must comply with the buffer requirement for any adjacent trout streams;

17. 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.

18. 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).

19. Waste disposal. No solid materials, including building materials, shall be discharged to waters of the State, except as authorized by a Section 404 permit.

20. 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.

21. 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.

General Notes

1. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE.

2. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT THE PRIOR CONSENT OF THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE TO THE ENGINEER.

3. THE CONTRACTOR WARRANTS THAT HIS EMPLOYEES, AGENTS AND SUBCONTRACTORS POSSESS THE EXPERIENCE, KNOWLEDGE AND CHARACTER NECESSARY TO QUALIFY THE INDIVIDUAL FOR THE PARTICULAR CONSTRUCTION TECHNIQUES THEY PERFORM IN CONNECTION WITH THE TASKS TO BE PERFORMED UNDER THIS CONTRACT. THE CONTRACTOR SHALL INSURE THAT ALL CONSTRUCTION IS PERFORMED IN STRICT COMPLIANCE WITH ALL OSHA, STATE AND LOCAL HEALTH AND SAFETY CODES.

4. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES BEFORE CONSTRUCTION STARTS. EXISTING UTILITIES ARE SHOWN USING THE BEST AVAILABLE INFORMATION. CONTRACTOR IS EXPECTED TO COORDINATE ALL WORK WITH OWNER AND UTILITY COMPANIES TO MINIMIZE DISRUPTION AND DAMAGE TO PROPERTY.

5. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. CALL "UTILITIES PROTECTION CENTER" @ 1-800-282-7411

Pollution Prevention Measures

Good Housekeeping Practices

AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT TO DO THE JOB.

ALL MATERIALS ONSITE 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 MANUFACTURE'S LABEL.

SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURE.

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 IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED

Inspection and Maintenance Procedures

Daily	Weekly and/or within 24hrs of 0.5 Storm Event or greater	Monthly and/or until Notice of Termination
Construction Exit	All Erosion Control Measures	
	Construction Exit	All areas which have undergone Final Stabilization
Storage Areas for potential pollutants: Petroleum, Fertilizer, Paint, Concrete, Detergents, Tar, Cleaning Solvents, Wood/Masonary, Roofing Material, Metal Studs	Silt Fence – sediment shall be removed from silt fence when it reaches 1/2 the height of the fence.	All Erosion Control Measures
	Inspect Silt Fence for tears, see that fabric is firmly in place and all posts secure	Inspect for evidence of, or potential for pollutants entering the drainage system and the receiving waters
	Sediment Basin – inspect for depth of sediment, remove when sediment reaches 10% of design capacity	
	Diversion Dikes – inspect and repair any breeches	
	Accessible Discharge Points – ensure that erosion control measures are effective in preventing significant impacts to receiving waters	Accessible Discharge Points – ensure that erosion control measures are effective in preventing significant impacts to receiving waters
Other Hazardous Materials	Temporary and Permanent Seeding – Inspect for bare spots, washouts and healthy growth	

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 ES&PC plans.

Spill Prevention Practices

Manufactures recommended methods for spill 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 spill 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 posted 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 be surrounded by an earthen berm as a secondary protective 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 manufacture'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 manufacture'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 used 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.

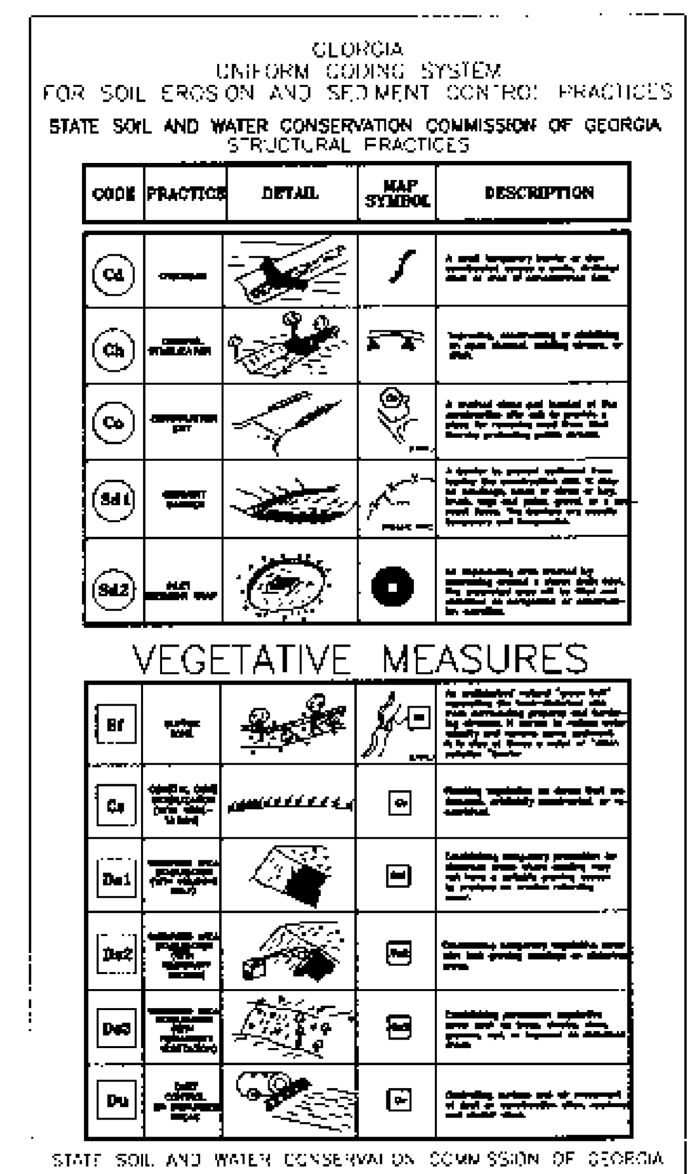
Non-Storm Water Discharge

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.

MAJOR SOIL DISTURBANCE ACTIVITY

CONSTRUCTION ACTIVITY	SOIL DISTURBANCE	BMP
Clearing and Grubbing Topsoil Removal Tree Removal–as necessary	Topsoil & Stump Removal Stockpiling	Filter fabric Rip-Rap Check Dam Tree Protection Fencing
Sedimentation Ponds as Required Utility Lines Grading	Earthwork Cut and Fill Activity	Maintain and Monitor Erosion Control Temporary Mulching or Grassing as Required
Roads and Parking Foundation	Finish grading	Maintain and Monitor Erosion Control Temporary Mulching or Grassing as Required
Walkways Permanent Grassing and Landscaping		Permanent Grassing Removal of Temporary Sediment Control & Tree Protection

Disturbed areas idle for greater than 14 days will be mulched or seeded with temporary vegetation. Areas should not be exposed greater than 14 days after last construction activity without mulching and seeding. The surface will be roughened prior to planting to promote good seed infiltration. Hand-planted seed will be stabilized with appropriate mulch (e.g., hay, straw) within 24-hours of planting. Slopes greater than 3 to 1 will be underlain with a DOT approved matting and hydroseeded.



PERMANENT GRASSING SPECIFICATIONS

MAR 1 TO JULY 31

COMMON BERMUDAGRASS (HULLED)	10 LBS./ACRE
COMMON BERMUDAGRASS (HULLED) AND WEEPING LOVEGRASS	6 LBS./ACRE 2 LBS./ACRE
COMMON BERMUDAGRASS (HULLED) AND CENTIPEDE	6 LBS./ACRE 10 LBS./ACRE

OCTOBER 1 TO MARCH 1

COMMON BERMUDAGRASS (UNHULLED) AND ANNUAL RYEGRASS	10 LBS./ACRE 10 LBS./ACRE
COMMON BERMUDAGRASS (UNHULLED) AND TALL FESCUE	10 LBS./ACRE 30 LBS./ACRE
COMMON BERMUDAGRASS (UNHULLED) AND RYE GRAIN OR WHEAT	10 LBS./ACRE 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 SODDED 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%

GRASS	SPRING	SUMMER	FALL	WINTER
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	40			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%

GRASS	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			
PEARL MILLET	N/R			
FESCUE			50	
WEEPING LOVE GRASS	3			

N/R – NOT RECOMMENDED FOR MIXTURES

SCHEDULE OF MAJOR ACTIVITIES

DESCRIPTION	(MONTHS AFTER BEGINNING CONSTRUCTION) 1	2	3	4	5	6	7	8	9	10
INSTALL & MAINTAIN SEDIMENT CONTROL STRUCTURES	X	X	X	X	X	X	X	X	X	
CLEARING, AND GRUBBING	X	X	X	X	X	X	X			
TEMPORARY MULCHING/SEEDING AS NECESSARY TO STABILIZE			X	X	X	X	X	X	X	
UTILITIES		X	X	X	X	X	X	X	X	
FINAL STABILIZATION / PERMANENT VEGETATION									X	X
REMOVE SEDIMENT CONTROL STRUCTURES								X	X	X

Certification Statement

I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia," and that the designed system of best management practices meets the design requirements contained in the General NPDES Permit No. GAR 100000."

I certify under penalty of law that this plan was prepared after a site visit to the locations described herein by the professional or professional's authorized agent, under the the professional's direct supervision.

Herbert E. Becton III
Signature
Georgia Licensed Professional

5/25/07
Date

Jordan, Jones & Goulding, Inc.
Company

Hebert E. Becton, III
Printed Name

000 00 18843
Certification Number

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 30024 HERBERT E. BECTON III

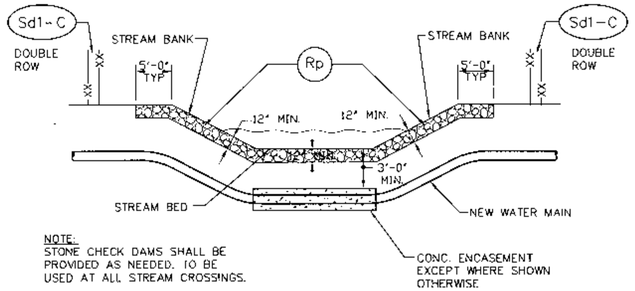
FREEMANVILLE ROAD WATER MAIN

EROSION CONTROL NOTES

DESIGNED: HEB	CHECKED: TMM	DATE: MAY 2007	22 SHEET	0 REV
DRAWN: CBM	JOB NO. 02016029	SCALE: NTS		

rr j86-c2.dwg 05.24.07

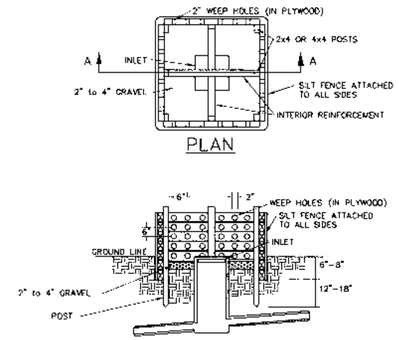
THIS LINE ——— IS ONE INCH LONG WHEN PLOTTED FULL SCALE



NOTE:
STONE CHECK DAMS SHALL BE PROVIDED AS NEEDED. TO BE USED AT ALL STREAM CROSSINGS.

TYPICAL STREAM CROSSING EROSION CONTROL DETAIL (Sr-C)

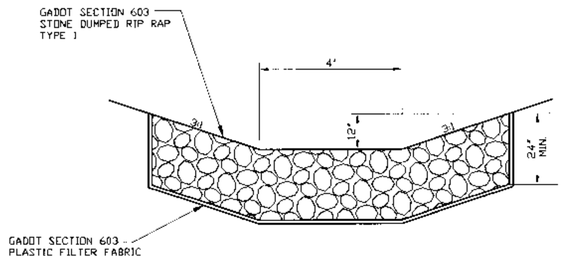
N.T.S.



NOTES: BOX TO BE MADE OF BOARDS SPACED 1" to 2" APART, OR MADE OF PLYWOOD WITH 2" WEEP HOLES SPACED APPROX. 6" VERTICAL – 6" HORIZONTAL (IN PLYWOOD BOX)
SILT FENCE TO BE ATTACHED TO ALL SIDES OF THE SEDIMENT BOX
2" to 4" OF GRAVEL ON THE INSIDE AROUND THE INLET
DIMENSIONS OF THE BOX WILL VARY ACCORDING TO THE SIZE OF THE INLET AND DEPTH OF BASIN
EXCAVATE 1' BELOW TOP OF INLET IN 10' RADIUS AROUND BOX FOR SILT CONTROL DURING CONSTRUCTION

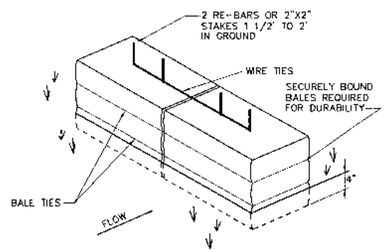
SEDIMENT BOX DETAIL (Sd2-F)

N.T.S.

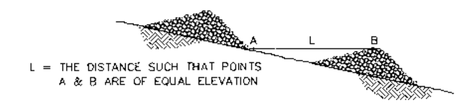


RIP RAP DETAIL (Rp)

NTS



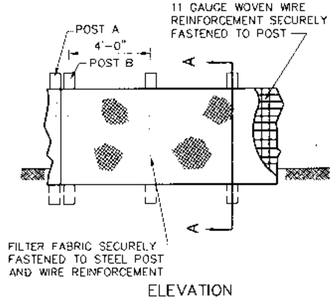
HAYBALES



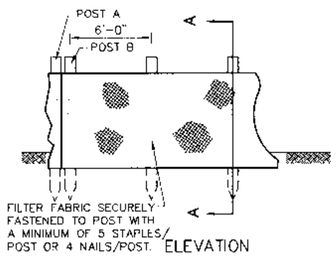
L = THE DISTANCE SUCH THAT POINTS A & B ARE OF EQUAL ELEVATION

SPACING BETWEEN CHECK DAMS (Cd)

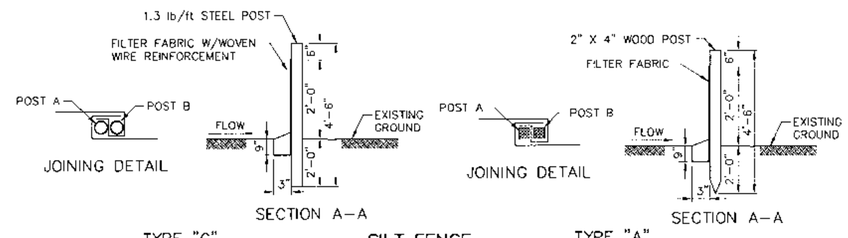
N.T.S.



ELEVATION



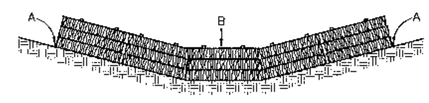
ELEVATION



SILT FENCE

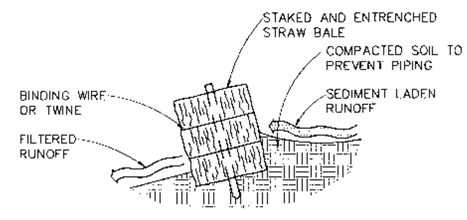
SEDIMENT BARRIER (Sd1)

N.T.S. (SEE NOTE 1)



POINTS "A" SHOULD BE HIGHER THAN POINT "B".

PROPER PLACEMENT OF STRAW BALE BARRIER IN DRAINAGE WAY

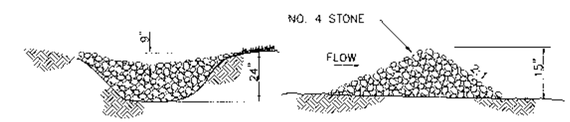


NOTE: EMBED HAY BALES A MINIMUM OF 4 INCHES.

CROSS-SECTION OF A PROPERLY INSTALLED STRAW BALE

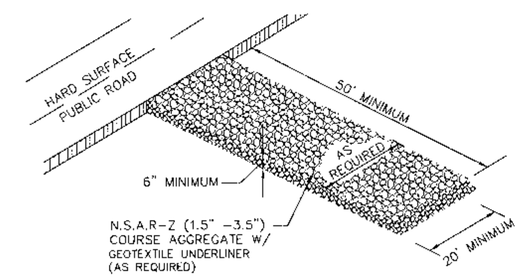
HAY BALE CHECK DAM (Cd-Hb)

NTS



CHECK DAM (Cd-S)

N.T.S.



CONSTRUCTION EXIT DETAIL (Co)

N.T.S.

NOTES :
1. NO WORK SHALL BE DONE IN THE STREAM BUFFER AREA UNTIL THE BUFFER VARIANCE PERMIT HAS BEEN APPROVED.

NO.	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS, FULTON COUNTY, GEORGIA

GEORGIA REGISTERED No. 30026 PROFESSIONAL ENGINEER ROBERT E. BECTON III

FREEMANVILLE ROAD WATER MAIN

EROSION CONTROL DETAILS

DESIGNED: HEB	CHECKED: TWM	DATE: MAY 2007	23	0
DRAWN: CBM	JOB NO. 02016029	SCALE: NTS	SHEET	REV

THIS LINE ____ IS ONE INCH LONG WHEN PLOTTED FULL SCALE

rm 9dec3.dwg
05 24 07

LANDSCAPE/TREE PROTECTION GENERAL NOTES:

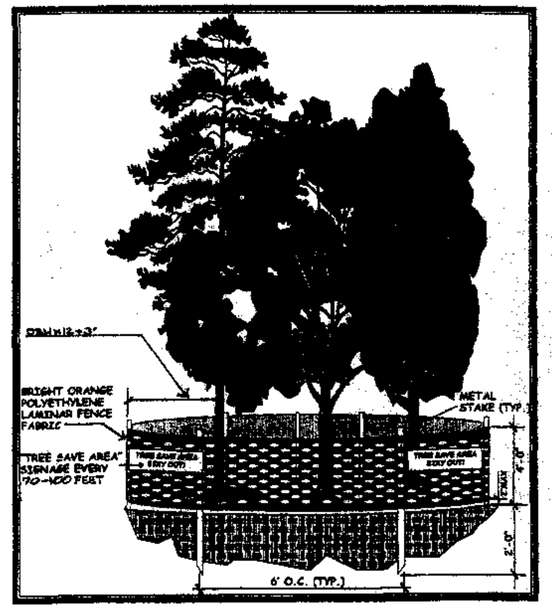
1. IF THE LANDSCAPE DESIGN OR PLANT MATERIAL ARE CHANGED IN ANY WAY FROM THE FULTON COUNTY PERMITTED PLAN, YOU SHALL SUBMIT 2 SETS OF REVISED PLANS TO THE FULTON COUNTY ARBORIST'S OFFICE FOR APPROVAL PRIOR TO ANY LANDSCAPE INSTALLATION.
2. ALL LANDSCAPING FOR EACH PHASE OF DEVELOPMENT SHALL BE COMPLETED PRIOR TO THE RECORDING OF THE FINAL PLAT FOR THAT PHASE, PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY FOR THAT PHASE, OR PRIOR THE CONNECTION OF PERMANENT POWER FOR THAT PHASE.
3. CONTACT THE DEPARTMENT OF ENVIRONMENT AND COMMUNITY DEVELOPMENT AT 404-730-7532, 770-777-6509, OR 404-730-7531 FOR SITE INSPECTION UPON COMPLETION OF LANDSCAPE INSTALLATION.
4. PROVISIONS FOR TREE PROTECTION ON THE SITE SHALL BE, AS A MINIMUM, IN CONFORMANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE FULTON COUNTY TREE PRESERVATION ORDINANCE AND ADMINISTRATIVE GUIDELINES PERTAINING TO TREE PROTECTION.
5. CONTACT THE DEPARTMENT OF ENVIRONMENT AND COMMUNITY DEVELOPMENT AT 404-730-7532, 770-777-6509, OR 404-730-7531 TO ARRANGE A PRE CONSTRUCTION MEETING WITH THE COUNTY ARBORIST PRIOR TO ANY LAND DISTURBANCE. ALL REQUIRED TREE FENCE MUST BE INSTALLED PRIOR TO THIS MEETING.
6. UNDISTURBED BUFFERS SHALL BE REPLANTED TO BUFFER STANDARDS WHERE SPARSELY VEGETATED OR WHERE DISTURBED AT APPROVED UTILITY CROSSING. REPLANTING IS SUBJECT TO COUNTY ARBORIST APPROVAL.
7. WHEN THE OWNER/DEVELOPER/CONTRACTOR CALLS THE ARBORIST'S OFFICE 404-730-7532 OR 404-730-7531 FOR A FINAL INSPECTION, THE OWNER/DEVELOPER/CONTRACTOR SHALL INFORM THE ARBORIST THAT THE SITE VISIT INCLUDES A SITE VISIT TO A PUBLIC PROPERTY TO INSPECT TREES THAT HAVE BEEN TREE BANKED.
8. ANY CHANGES IN TREE VARIETY MUST BE APPROVED IN WRITING BY THE FULTON COUNTY ARBORIST'S OFFICE AT 404-730-7532 OR 404-730-7531.
9. PLANTING MUST BE COMPLETED BY THE OWNER/DEVELOPER AND THE PLANTING MUST BE INSPECTED AND APPROVED BY THE FULTON COUNTY ARBORIST OR SENIOR ARBORIST PRIOR TO THE ARBORIST'S OR SENIOR ARBORIST'S SIGN-OFF ON THE CERTIFICATE OF OCCUPANCY OR FINAL PLAT RECORDING FOR THE PROJECT.

SPECIMEN TREES TO BE RECOMPENSED

SPECIMEN TREES	LOCATION	UNITS
30" TULIP POPLAR	SHEET 2 (STA. 18 + 25)	14.7
37" PINE	SHEET 9 (STA. 124 + 40)	22.5
33" OAK	SHEET 11 (STA. 148 + 00)	17.7
28" OAK	SHEET 13 (STA. 176 + 80)	12.9
28" OAK	SHEET 13 (STA. 177 + 80)	12.9
33" OAK	SHEET 13 (STA. 176 + 25)	17.7
39" OAK	SHEET 13 (STA. 187 + 00)	24.9
40" OAK	SHEET 14 (STA. 195 + 10)	26.1
		149.4 TOTAL UNITS

* TO BE RECOMPENSED WITH 4" CAL. TREES
4" CAL. TREE = 0.7 UNITS
149.4 TOTAL UNITS/0.7 UNITS = 213 – 4" CAL. TREES

NOTE:
213 4" CAL HARDWOOD TREES WILL BE TREE BANKED ON FULTON COUNTY PROPERTY. ARRANGEMENTS TO BE MADE WITH SENIOR ARBORIST GENE CALLAWAY (404-- 730-7531).



SIGNAGE AVAILABLE
FULTON COUNTY DEPARTMENT OF
ENVIRONMENT & COMMUNITY DEVELOPMENT
SUITE 2085

PLANTING STANDARDS

Prepare area five times the diameter of the root ball. Soil amendments are generally not recommended.

Set root ball on undisturbed soil with top of ball even with existing grade.

Remove all wires, string and burlap from around the trunk. Bury or cut away all burlap. Plastic "burlap" should be removed.

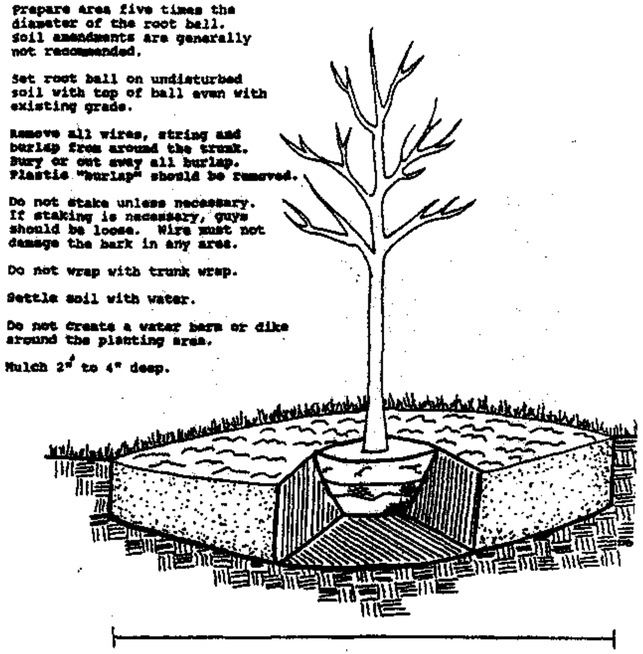
Do not stake unless necessary. If staking is necessary, guys should be loose. Wire must not damage the bark in any area.

Do not wrap with trunk wrap.

Settle soil with water.

Do not create a water barn or dike around the planting area.

Mulch 2" to 4" deep.



Planting hole five times (5X) the diameter of the root ball.

NO	DATE	DESCRIPTION OF REVISION
0	5-25-07	INITIAL ISSUE

Jordan Jones & Goulding

BOARD OF COMMISSIONERS,
FULTON COUNTY, GEORGIA

GEORGIA REGISTERED No. 22034 PROFESSIONAL ENGINEER ROBERT E. BECTON, III

FREEMANVILLE ROAD WATER MAIN

LANDSCAPE/TREE PROTECTION NOTES AND DETAILS

DESIGNED: HEB	CHECKED: TWM	DATE: MAY 2007	24	0
DRAWN: CBM	JOB NO. D2016029	SCALE: NTS	SHEET	REV

THIS LINE — IS ONE INCH LONG WHEN PLOTTED FULL SCALE

17-26cd.dwg
05 24 07