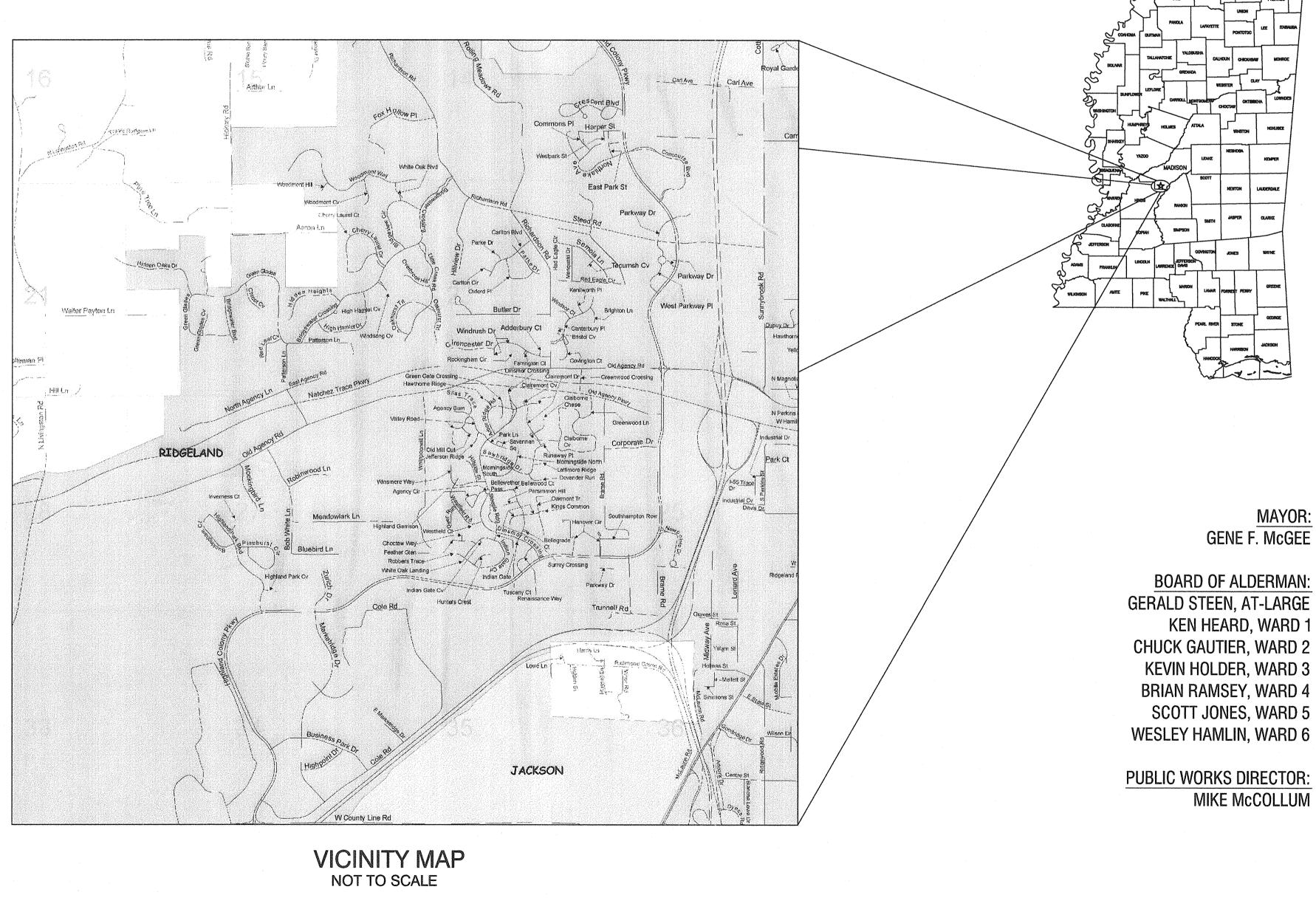
COLE ROAD WATER DISTRIBUTION IMPROVEMENTS PHASE "III"

CITY OF RIDGELAND, MISSISSIPPI

| INDEX TO DRAWINGS | | | | |
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| G.1 | COVER SHEET | | | |
| G.2 | VICINITY MAP & GENERAL NOTES | | | |
| P1.0 | PLAN VIEW SHEET | | | |
| CD.1 | CONSTRUCTION DETAILS | | | |
| CD.2 | CONSTRUCTION DETAILS | | | |



November 2009 WEI #: W08011

WAGGONER Engineering, Inc.

MISSISSIPPI

WATER DISTRIBUTION

| DRAWING REVISIONS | | | | | | | |
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| Cover Sheet | | | | | | | |
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G.1

Record Drawing

April 6, 2010

NOTES:

CONTRACTOR TO VERIFY WATERLINE LOCATIONS IN FIELD WITH ENGINEER BEFORE INSTALLING.

THE EXISTING WATER AND SEWER LINES ARE DEPICTED AS THEY WERE SHOWN ON RECORD DRAWINGS OBTAINED FROM THE CITY OF RIDGELAND'S PUBLIC WORKS DEPARTMENT.

BASE MAP INFORMATION FOR THE PROJECT DRAWINGS WAS PROVIDED FROM THE MADISON COUNTY TAX MAPS. WAGGONER ENGINEERING, INC. MAKES NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION.

THE APPROXIMATE LOCATION OF KNOWN UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS. IN ADDITION TO THE UTILITIES SHOWN, THERE MAY ALSO BE ADDITIONAL UNDERGROUND UTILITIES WHICH HAVE NOT BEEN DETECTED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL UTILITY COMPANIES (CALL MISSISSIPPI ONE—CALL) AND THE CITY OF RIDGELAND PUBLIC WORKS DEPARTMENT TO GIVE NOTIFICATION OF INTENT TO EXCAVATE IN THE AREA OF THE PROJECT. FAILURE BY THE CONTRACTOR TO NOTIFY SAID COMPANIES SHALL MAKE THE CONTRACTOR LIABLE UNDER STATE LAW FOR ANY DAMAGES INCURRED TO UNDERGROUND UTILITIES.

THE ENGINEER RESERVES THE RIGHT TO RELOCATE THE PROPOSED WATER LINE DURING CONSTRUCTION IF THERE IS A CONFLICT WITH EXISTING UNDERGROUND UTILITIES.

ALL WATERLINES TO BE INSTALLED AT A MINIMUM OF 36" BELOW GROUND UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL MAINTAIN A 10 FOOT HORIZONTAL SEPARATION AND AN 18" VERTICAL SEPARATION BETWEEN THE TOP OF ANY SANITARY SEWER LINE AND THE BOTTOM OF ANY WATER LINE.

EXISTING WATER LINES SHALL REMAIN IN SERVICE DURING CONSTRUCTION.

CONTRACTOR TO NOTIFY CITY OF RIDGELAND PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS BEFORE MAKING CONNECTION TO ANY EXISTING WATERLINE.

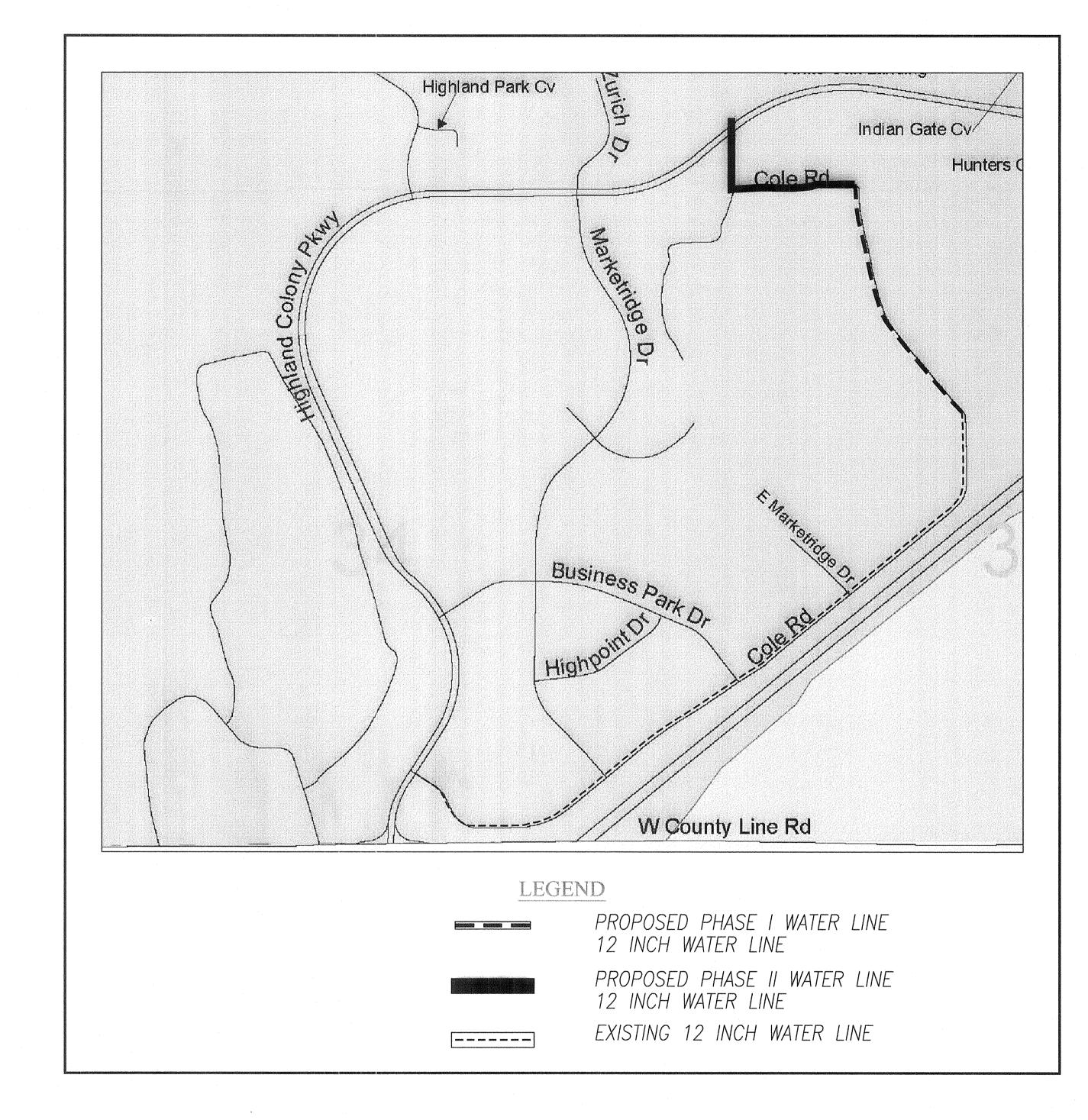
NEW WATER LINES SHALL NOT BE PLACED IN SERVICE UNTIL TWO (2) CONSECUTIVE SAMPLES OF WATER ARE FOUND TO MEET THE STATE HEALTH DEPARTMENT STANDARDS, AND THE LINES HAVE SUCCESSFULLY COMPLETED HYDROSTATIC TESTING.

THE CONTRACTOR SHALL END THE SERVICE LINE AT THE CURB STOP UNTIL THE NEW WATER LINE HAS MET THE STATE HEALTH DEPARTMENT STANDARDS. ONCE THE NEW WATER LINE HAS BEEN APPROVED, THE CONTRACTOR SHALL CONNECT THE NEW SERVICE LINE TO THE EXISTING METER.

ALL FITTINGS SHALL BE EQUIPPED WITH MEGALUG RESTRAINTS.

ANY AREA WHERE THE EXISTING VEGETATION WAS DISTURBED BY CONSTRUCTION SHALL BE GRADED TO A SMOOTH CONDITION WHICH ALLOWS THE WATER TO RUNOFF, AND GRASSED WITH COMMON BERMUDAGRASS SEED. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE CURRENTLY SODDED.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ANY EXISTING TRAFFIC SIGNS IN CONFLICT WITH THE PROJECT TO A LOCATION THAT IS VISIBLE TO THE CORRESPONDING TRAFFIC.



WAGGONER Engineering, Inc.

> 143-A LeFleurs Square JACKSON, MS 39211 601-355-9526 FAX 601-352-3945

WATER DISTRIBUTION IMPROVEMENTS PHASE "II" THE CITY OF RIDGELAND, MISSISSIPPI

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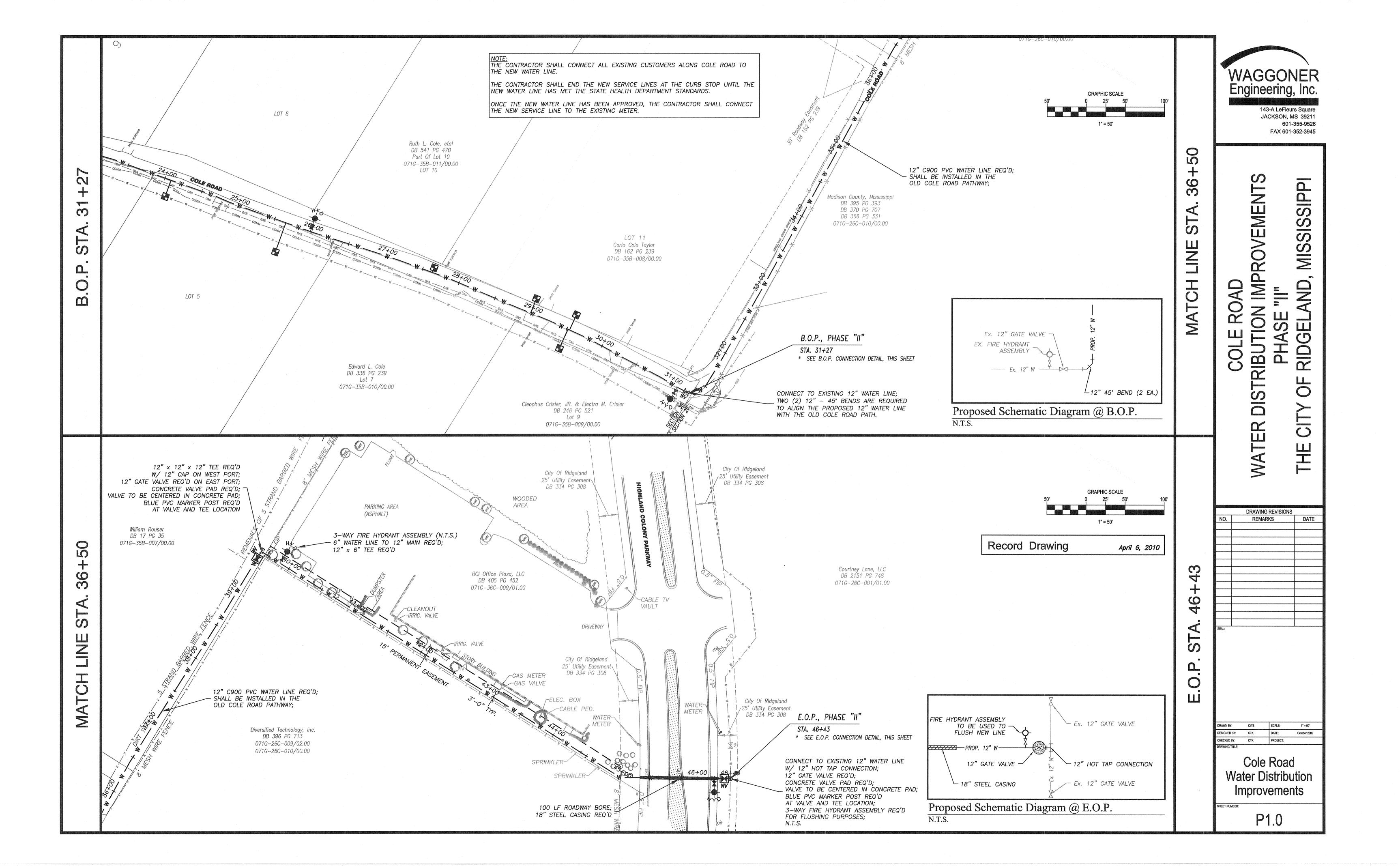
Vicinity Map

General Notes

G.2

Record Drawing

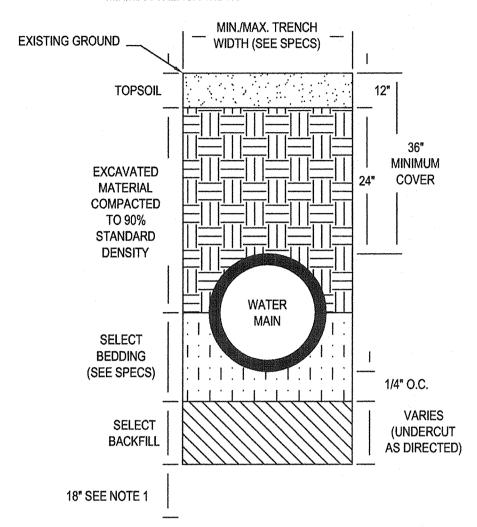
April 6, 2010



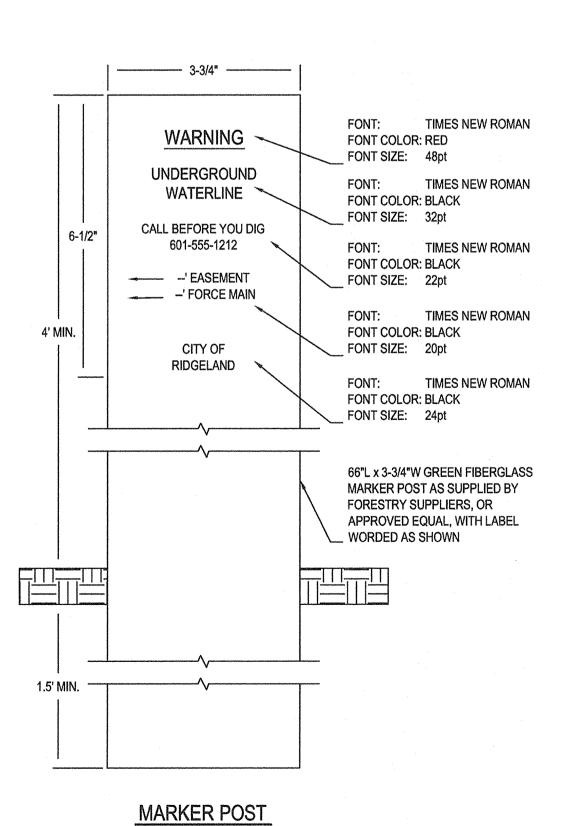


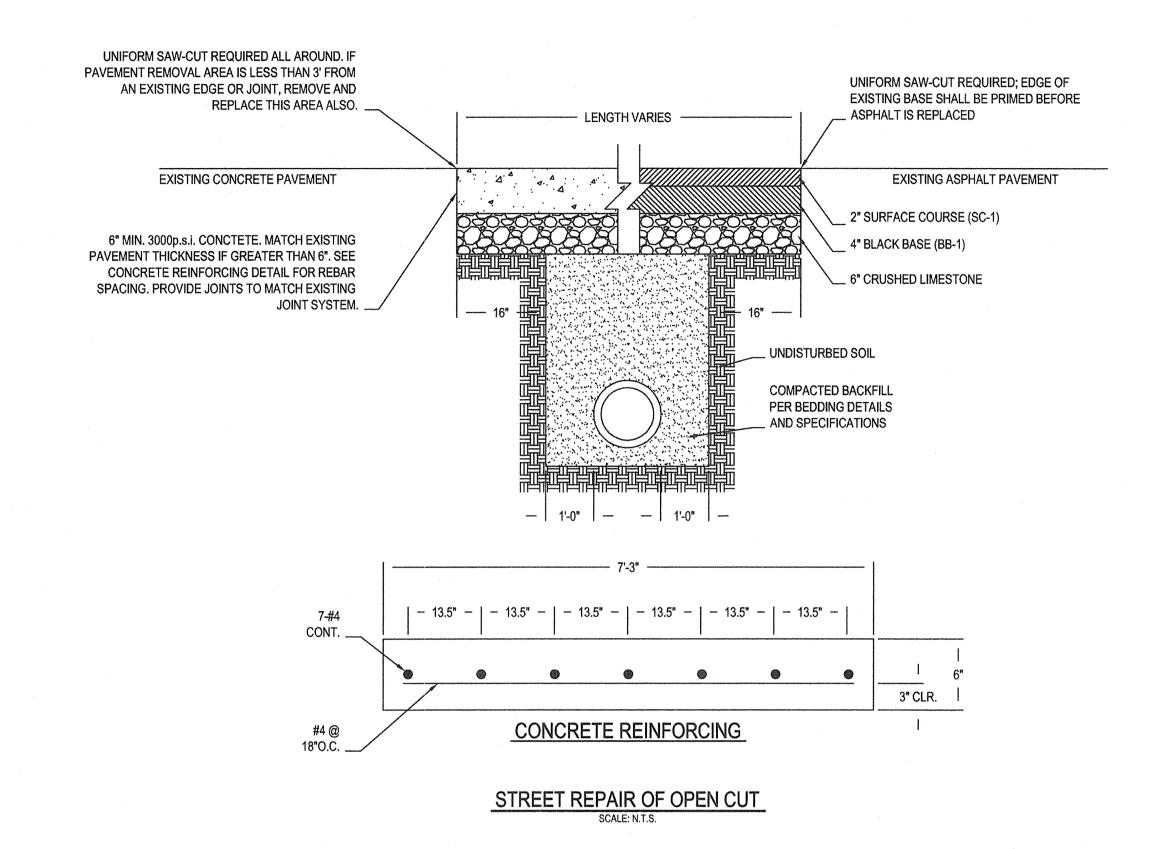
1) DEWATERING REQUIRED TO THIS LEVEL (MIN.). THE CONTRACTOR SHALL MAINTAIN WATER LEVEL TO A LEVEL OF 18" OR GREATER BELOW THE UNDERCUT DEPTH OR THE TRENCH SUBGRADE, WHICHEVER IS DEEPER, BEFORE PIPE PLACEMENT WILL BE

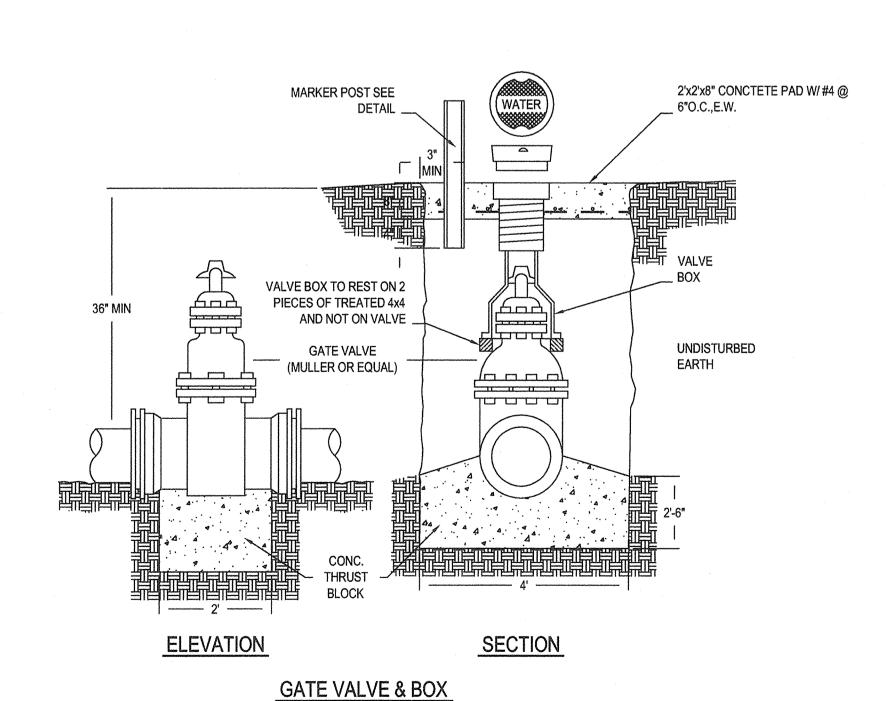
2) SEE SPECIFICATIONS FOR COMPACTION REQUIREMENTS AND MIN/MAX TRENCH WIDTH

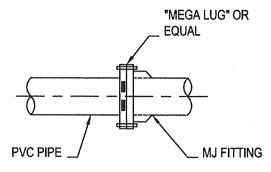


TRENCH DETAIL

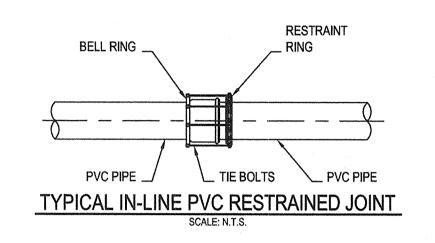


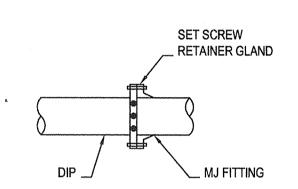




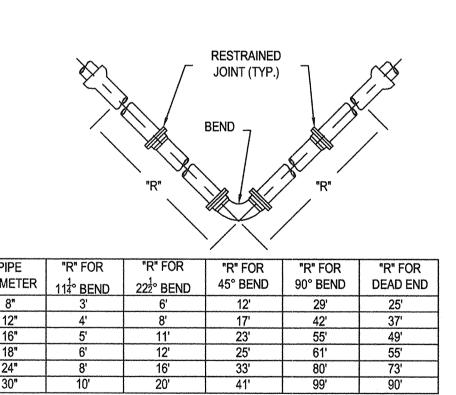


TYPICAL PVC RESTRAINED JOINT AT MJ FITTING





TYPICAL DI RESTRAINED JOINT AT MJ FITTING



NOTES:

- RESTRAINED JOINT PIPE SHALL BE USED AT ALL BENDS.
- THE LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND SHALL BE NOT LESS THAN THE "R" DISTANCES.
- ALL JOINTS WITHIN THE DISTANCE "R" ESTABLISHED ABOVE SHALL BE RESTRAINED. ALL PIPE IN CASINGS SHALL BE RESTRAINED, BUT PIPE LENGTHS IN CASING SHALL NOT APPLY TOWARD REQUIRED
- RESTRAINED LENGTHS FOR ADJACENT BENDS. RESTRAINED JOINT LENGHTS WERE CALCULATED BASED ON DIPRA THRUST RESTRAINT GUIDELINES UNDER THE FOLLOWING CONDITIONS:

LAYING CONDITION - TYPE 3 SOIL DESIGNATION - CLAY 2 DEPTH OF COVER - 3.5'

- DESIGN PRESSURE 150 PSI SAFETY FACTOR - 1.5
- IF ANY OF THESE ASSUMPTIONS SIGNFICANTLY DIFFER FROM THE LAYING CONDITIONS, NEW THRUST RESTRAINT CALCULATIONS SHOULD BE PERFORMED. 6. FOR BENDS IN THE VERTICAL PLANE INCREASE THE "R" DISTANCE BY A FACTOR OF 1.75.

RESTRAINED JOINT DETAL

Record Drawing

April 6, 2010

WAGGONER Engineering, Inc.

143-A LeFleurs Square JACKSON, MS 39211 601-355-9526 FAX 601-352-3945

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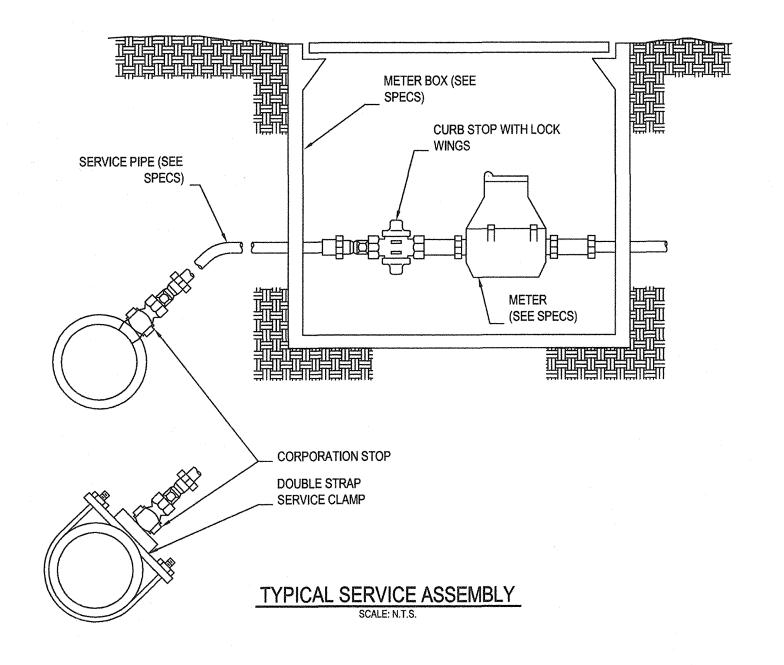
MPROVEMENT **Ш 公** 〇 0 WATER

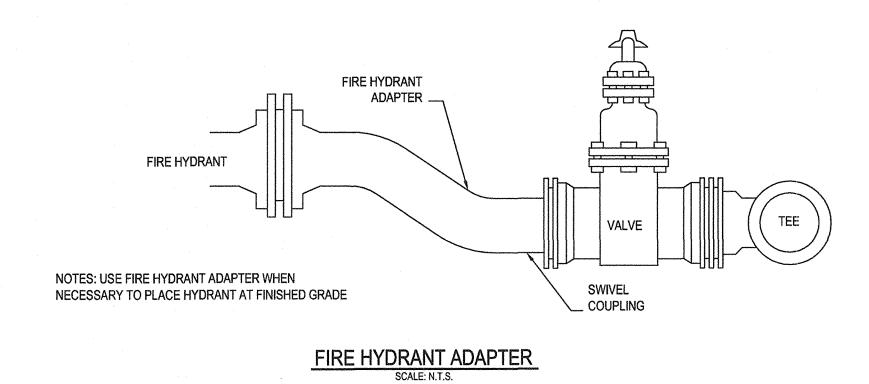
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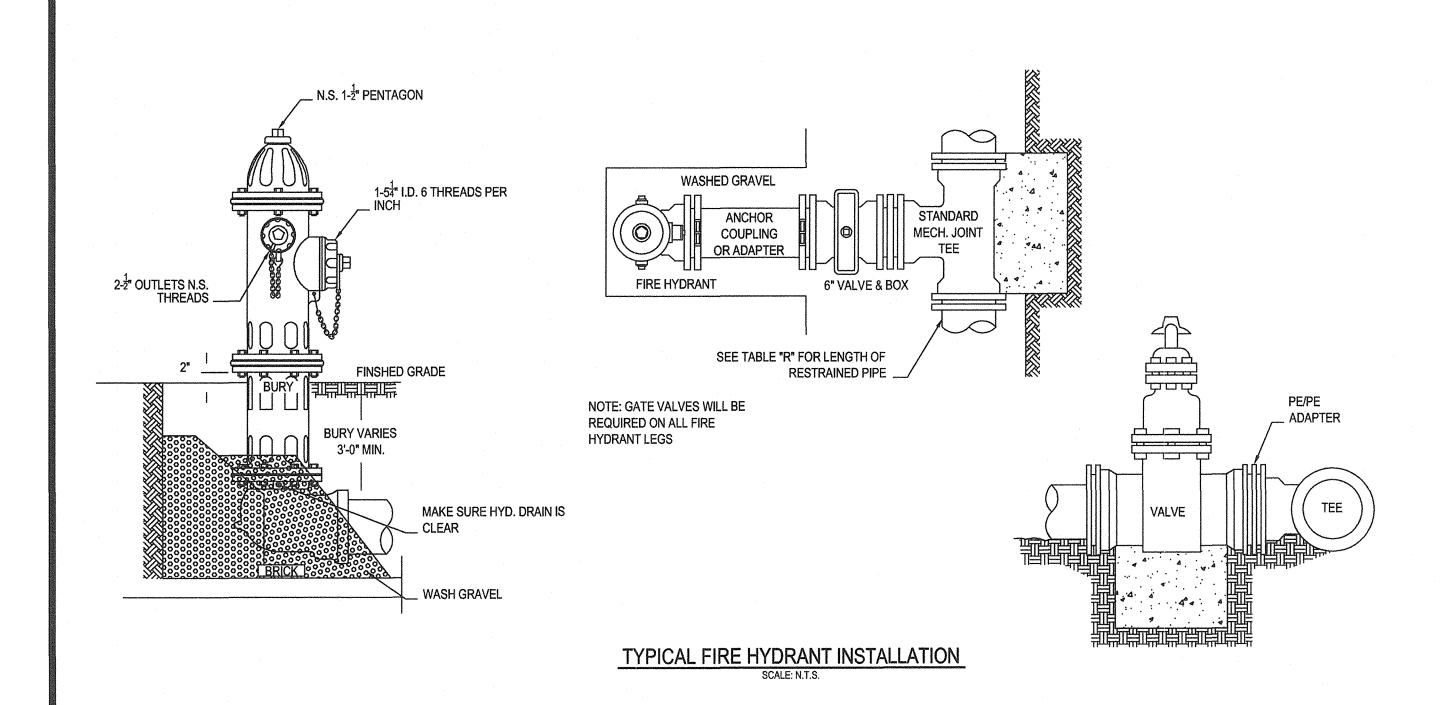
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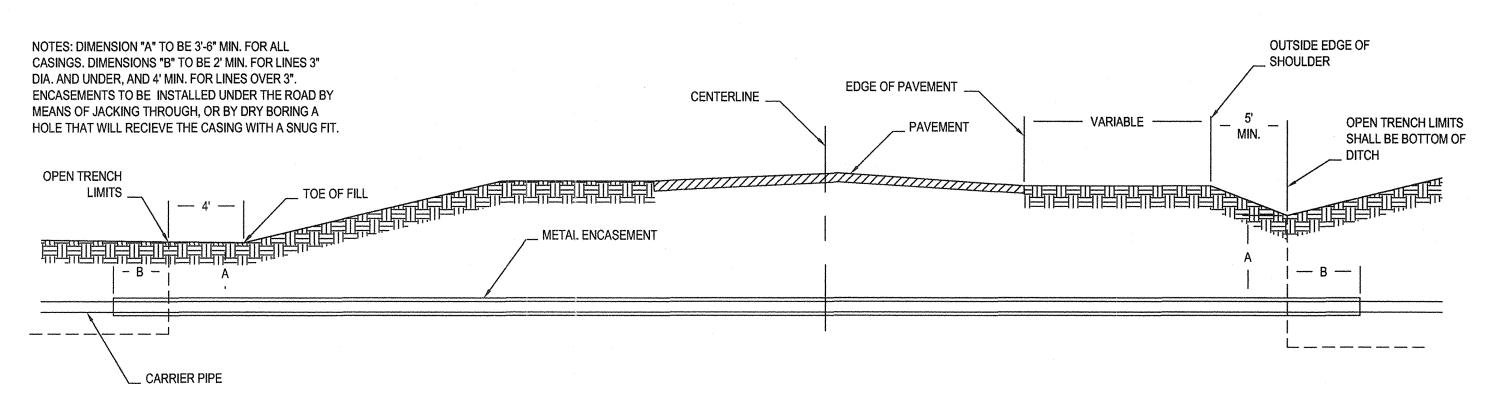
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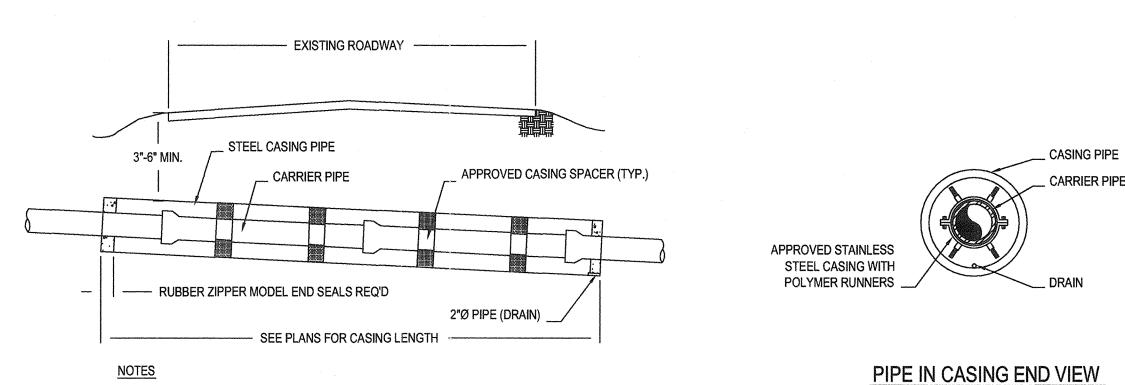








CROSS SECTION OF CONDUIT CROSSING
SCALE: N.T.S.



1. SPACE CASING SPACERS ACCORDIND TO PIPE OR SPACER MANUFACTURE'S RECOMMENDATIONS OR 2 PER SECTION OF PIPE, WHICHEVER IS GREATEST, PLUS 1 WITHIN 2 FEET OF EACH END OF CROSSING.

 PUSH OR PULL THE CARRIER PIPE THROUGH THE CASING SO THAT THE CARRIER JOINTS ARE ALWAYS COMPRESSED.

CASING SPACER DETAIL
SCALE: N.T.S.

WATER DISTRIBUTION IMPROVEMENTS PHASE "II" CITY OF RIDGELAND, MISSISSIPPI

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FAX 601-352-3945

601-355-9526

DRAWING REVISIONS

NO. REMARKS DATE

November 2009

CHECKED BY: CTK DATE: November 2009

CHECKED BY: CTK PROJECT: W08011

DRAWING TITLE:

Construction

Details

Record Drawing

April 6, 2010