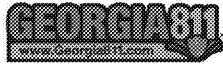


GENERAL UTILITY NOTES:

1. ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH COWETA COUNTY WATER AND SEWERAGE AUTHORITY (COW&SA) SPECIFICATIONS.
2. ALL MATERIALS TO CONFORM TO COWETA COUNTY DEVELOPMENT SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE COW&SA SUBMITTALS ON ALL PIPE AND MATERIALS USED FOR APPROVAL. ANY WORK DONE BY THE CONTRACTOR SHALL BE AT HIS OWN RISK UNTIL REVIEW AND APPROVAL OF THESE SUBMITTALS ARE COMPLETE. THE CONTRACTOR SHALL NOTIFY COW&SA 48 HOURS PRIOR TO CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE.
3. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY COW&SA BEFORE ANY WORK IS HIDDEN FROM VIEW.
4. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL UTILITIES BEFORE CONSTRUCTION AND VERIFYING THE LOCATIONS OF ALL UTILITIES SHOWN OR NOT SHOWN.
5. ALL UTILITIES WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRING RELOCATION OR ADJUSTMENT IN ORDER TO ACCOMMODATE PROPOSED IMPROVEMENT SHALL BE RELOCATED OR ADJUSTED AT THE EXPENSE OF THE CONTRACTOR.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AND COORDINATE HIS WORK WITH EXISTING UTILITIES WHICH MAY CONFLICT WITH HIS WORK. CONTRACTOR SHALL PROTECT AND MAINTAIN SUCH UTILITIES SHOWN OR NOT SHOWN ON THE PLANS.
7. ALL VALVE BOXES ARE TO HAVE COLLARS AND VALVE MARKERS AS REQUIRED BY COW&SA. ALL CONCRETE COLLARS SHALL BE A MINIMUM 24" DIAMETER AND 6" THICK.
8. MINIMUM HORIZONTAL AND VERTICAL DISTANCES BETWEEN WATER LINES AND OTHER UNDERGROUND UTILITIES OR STRUCTURES SHALL BE 2 FEET.
9. WATER LINES SHALL HAVE A MINIMUM COVER OF 4' (FEET) FROM FINISHED GRADE.
10. ALL WATER SERVICE CONNECTIONS SHALL BE MARKED WITH A 2"x4" "W" SAW NOTCH AT SERVICE LOCATIONS ON THE CURB AND PAINTED BLUE. THE LOCATION OF FUTURE WATER METERS SHALL BE TEMPORARILY MARKED WITH A 2" PVC PIPE PAINTED BLUE. THIS LOCATION INDICATOR SHALL EXTEND A MINIMUM OF 24" ABOVE EXISTING GRADE.
11. WHERE VALVE MARKERS ARE NOT USED ALL VALVES SHALL BE MARKED WITH A 2"x4" "V" ON THE CURB AND PAINTED BLUE.
12. ALL BLOCKING BEHIND FITTINGS TO BE AGAINST UNDISTURBED SOIL.
13. ALL WATER MAIN CROSSING UNDER PAVEMENT SHALL BE DUCTILE IRON PIPE ENCASED IN STEEL CASING WITH CASING SPACERS AND FIELD LOCK GASKETS PER COW&SA SPECIFICATIONS.
14. CONTRACTORS ARE REQUIRED TO CONTACT COW&SA FOR A PRE-CONSTRUCTION CONFERENCE.
15. ALL WATER LINES CROSSING STORM DRAINS SHALL BE DUCTILE IRON PIPE (DIP), (36 L.F. MIN.). DIP SHALL ALSO BE REQUIRED IN ANY AREAS IN WHICH THE WATER MAIN PARALLELS A STORM DRAIN.
16. ALL SERVICE LINES CROSSING UNDER PAVEMENT SHALL BE ENCASED IN 2" SCHEDULE 80 PVC OR OTHER CONDUIT MATERIAL AS APPROVED BY COW&SA.
17. ALL VALVES AND FITTINGS ARE TO BE RESTRAINED WITH APPROPRIATE TYPE AND NUMBER OF "ERMA IRON" OR "UNI-FLANGE" PIPE RESTRAINT SYSTEM ACCESSORIES IN A MANNER APPROVED BY COW&SA PRIOR TO CONSTRUCTION. ANY CONCRETE BLOCKING THAT IS ALLOWED SHALL BE POURED AGAINST UNDISTURBED EARTH.
18. EACH LOT IN A SUBDIVISION SHALL BE SERVED BY A 1" TAP. A DOUBLE METER BOX AND FITTINGS SHALL BE SET PER THE CONSTRUCTION DOCUMENTS AS APPROVED BY COW&SA.
19. DUCTILE IRON PIPE IS REQUIRED GOING "IN TO" AND "OUT OF" ALL FITTINGS.
20. BOTH TRACER WIRE AND METALLIC UNDERGROUND MARKING TAPE WILL BE REQUIRED FOR ALL AREAS. A TRACER WIRE TERMINAL POST SHALL BE REQUIRED ON ANY WATER OR SEWER THAT DOES NOT HAVE A PERMANENT STRUCTURE THAT CLEARLY INDICATES THE PRESENCE OF AN ASSET. COW&SA WILL REVIEW THESE LOCATIONS ON A CASE BY CASE BASIS AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE POST LOCATIONS WITH COW&SA.
21. THE FIRE DEPARTMENT CONNECTION (FDC) SHOULD BE LOCATED NOT LESS THAN 18" AND NOT MORE THAN 4' ABOVE THE LEVEL OF THE ADJACENT GRADE OR ACCESS LEVEL. POST INDICATOR VALVE OR FIRE HYDRANT SHALL BE NO LESS THAN 40' FROM A BUILDING. NO OBSTRUCTIONS WITHIN 36" OF FIRE HYDRANTS, CONTROL VALVES OR FDC SHALL BE ALLOWED. IMPACT PROTECTION SHALL BE PROVIDED FOR FIRE HYDRANTS SUBJECT TO MOTOR VEHICLE IMPACT. REF. NO. NFPA-24-7.3.3.
22. EACH SEWER SERVICE SHALL BE PROVIDED WITH ONE (1) SEWER CLEANOUT LOCATED AT THE RIGHT-OF-WAY.

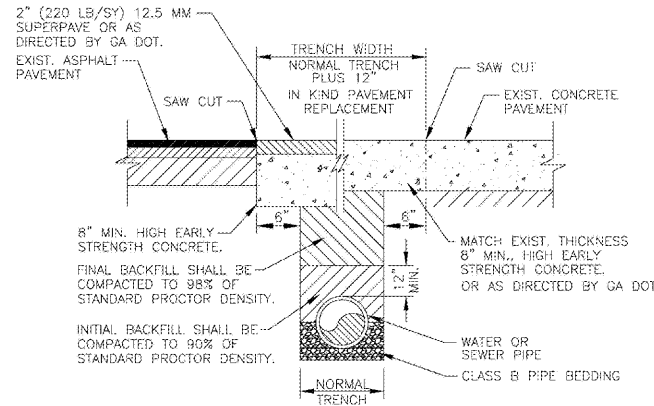
Georgia One-Call Center
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Call at Least Two Working Days
Before You Dig
It's The Law



COWETA COUNTY
WATER AND SEWERAGE
AUTHORITY
545 CORINTH ROAD
NEWNAN, GA 30263
(770) 254-3710

U-0002

DESIGNED: DCWSA DRAWN: JKP
DATE: 07/04 SCALE: NTS



NOTE: FINAL BACKFILL TO BE PLACED IN MAXIMUM "B" (LOOSE) LIFTS AND COMPACTED TO NOT LESS THAN 98% STANDARD PROCTOR DENSITY AS DETERMINED BY (ASTM D698.) ONLY CLASS B TRENCH WILL BE ALLOWED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

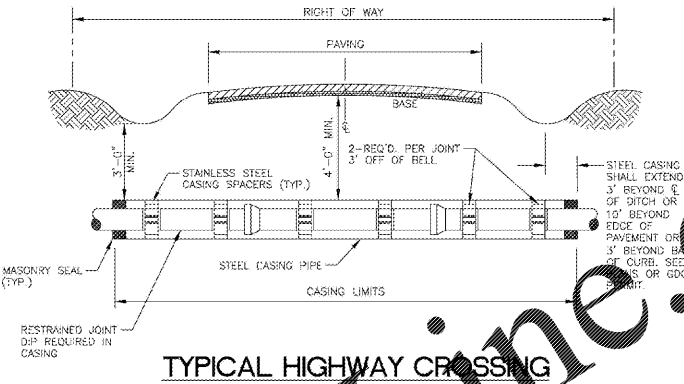
PAVEMENT REPLACEMENT
CLASS B TRENCH FOR
ALL PIPING



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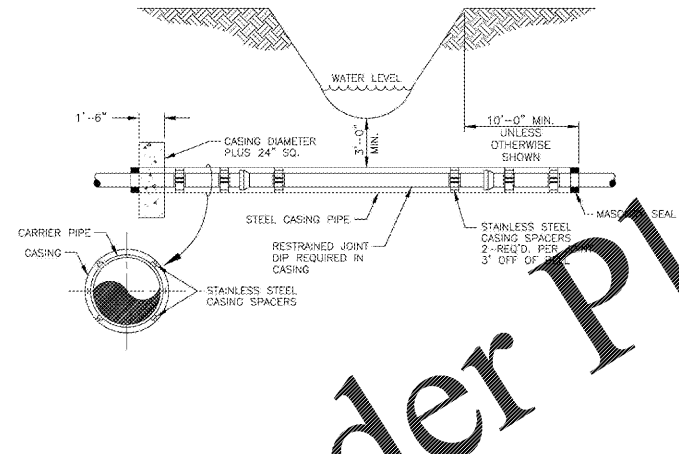
TYPICAL HIGHWAY CROSSING



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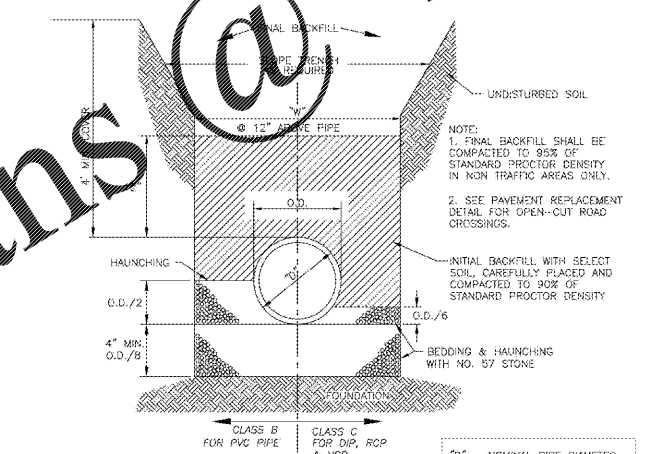
TYPICAL CREEK CROSSING
N.T.S.



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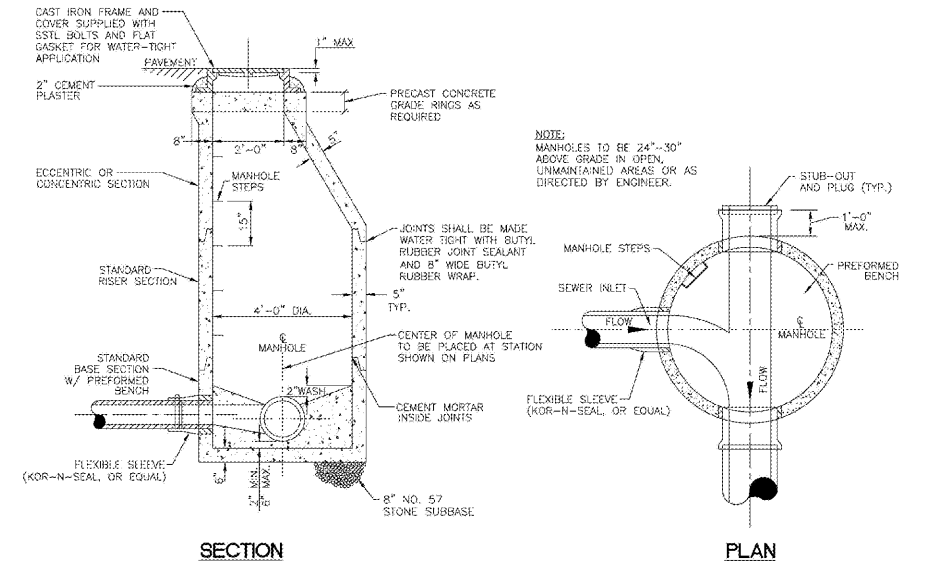
CLASS B AND C
GRAVITY PIPE BEDDING



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S-0001

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STANDARD PRECAST
4'-0" MANHOLE

S-0002

DESIGNED: DCWSA DRAWN: JKP
DATE: 08/10 SCALE: NTS



COWETA COUNTY
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NORTHGATE HIGH SCHOOL
SANITARY SEWER
COWETA COUNTY WATER AND
SEWERAGE AUTHORITY

CATL190025

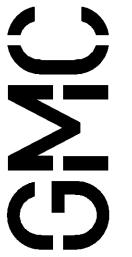


STANDARD SEWER
DETAILS

C.40
Sheet of

ISSUE	DATE
PRELIMINARY	08.15.2019
75% SUBMITTAL	10.01.2019
BID READY	10.08.2019

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