GENERAL PROVISIONS

- 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 UNLESS PREVIOUSLY OBTAINED BY THE OWNER. CONTRACTOR SHALL ABIDE BY ALL CONDITIONS CONTAINED THERIN.
- 2. ALL WORK SHALL BE PERFORMED IN A FINISHED AND WORKMAN LIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
- DEVIATIONS FROM THE PLANS WITHOUT THE PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVES MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
- ALL MATERIALS SHALL BE NEW, UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER AND APPROPRIATE AUTHORITIES. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER AND COUNTY/CITY APPROVAL PRIOR TO PROCUREMENT OF MATERIALS.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS; HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY AND IS NOT OWNER GUARANTEED. IN THE EVENT OF DAMAGE TO EXISTING UTILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS AND RELATED EXPENSES.
- THE CONTRACTOR IS TO CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBING CURBING, PAVING, AND COMPACTED SUBGRADE. ALL UNDERGROUND UTILITIES, INCLUDING THOSE INSTALLED BY OTHERS (ELECTRICAL CONDUIT, GAS, TELEPHONE, WATER, SANITARY, SEWER AND ANY OTHER MISCELLANEOUS) SHALL BE IN-PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL IF POSSIBLE.
- IF THE CONTRACTOR, IN THE COURSE OF WORK, FINDS ANY DISCREPANCY BETWEEN THE PLANS AND THE PHYSICAL CONDITIONS OF THE LOCALITY, OR ANY ERRORS OR OMISSIONS IN THE PLANS OR THE LAYOUT AS GIVEN BY THE ENGINEER, IT SHALL BE HIS DUTY TO IMMEDIATELY INFORM THE ENGINEER, IN WRITING, AND ENGINEER WILL PROMPTLY VERIFY THE SAME. ANY WORK DONE AFTER SUCH DISCOVERY, UNTIL AUTHORIZED, WILL BE AT THE CONTRACTOR'S RISK.
- 10. IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IF HISTORICAL ARTIFACTS OR ENDANGERED SPECIES OF PLANTS ARE ENCOUNTERED DURING CONSTRUCTION.
- 11. THE CONTRACTOR SHALL PROVIDE SHEETING AND SHORING FOR ALL TRENCH CONSTRUCTION IN ACCORDANCE WITH O.S.H.A. GUIDELINES. THERE SHALL BE NO OPEN TRENCHES AT THE END OF THE DAY'S WORK.
- 12. CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS UNDER CONSTRUCTION. IN TIMES OF RAIN OR MUD, ROADS SHALL BE ABLE TO CARRY A FIRE TRUCK BY BEING PAVED OR HAVING A CRUSHED STONE BASE WITH A MINIMUM WIDTH OF 25 FEET. THIS ACCESS TO BUILDINGS THAT HAVE SPRINKLER OR STANDPIPE SYSTEMS SHALL BE TO WITHIN 40 FEET OF THE FIRE DEPARTMENT CONNECTOR. (NFPA 1141 3-1 AND GCFO-15)
- 13. CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH A CONSTRUCTION SCHEDULE FOR THE WORK.

EARTHWORK/GRADING

- EARTHWORK AND GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S SPECIFICATIONS AND RECOMMENDATIONS. OR WITH SECTIONS 200-233 OF GDOT'S /2 STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEMS IF NOT COVERED BY THE GEOTECHNICAL ENGINEER'S SPECIFICATIONS, EXCEPT AS OTHERWISE NOTED.
- 2. MAXIMUM SLOPE FOR CUT OR FILL IS 2H: 1V. ANY SLOPES AT 2:1 OR STEEPER SHALL BE STABILIZED WITH APPROPRIATELY DESIGNED SLOPE MATTING.
- THE FOLLOWING CLASSIFICATIONS WILL BE USED FOR DESCRIBING DIFFICULT EXCAVATION
- A. TRENCH ROCK ANY MATERIAL THAT CANNOT BE EXCAVATED WITH A TRACKED BACKHOE HAVING A BUCKET CURLING FORCE OF AT LEAST 30,000 POUNDS (CATERPILLAR 320 OR EQUIVALENT) AND OCCUPYING AN IN-PLACE VOLUME OF AT LEAST 0.5 CUBIC YARDS
- B. DIFFICULT EXCAVATION ANY MATERIAL THAT CANNOT BE REMOVED BY NORMALLY USED GRADING EQUIPMENT. AND REQUIRES THE USE OF A SINGLE-TOOTH RIPPER ATTACHED TO A DOZER HAVING A DRAW BAR PULL OF AT LEAST 90,000 POUNDS (CATERPILLAR D-8 OR EQUIVALENT) AND OCCUPIES AN IN-PLACE VOLUME OF AT LEAST ONE CUBIC YARD.
- C. BLAST ROCK ANY MATERIAL THAT CANNOT BE RIPPED WITH A SINGLE-TOOTHED RIPPER ATTACHED TO A DOZER HAVING A DRAW BAR PULL OF AT LEAST 90,000 POUNDS (CATERPILLAR D-8 OR EQUIVALENT) AND OCCUPIES AN IN-PLACE VOLUME OF AT LEAST ONE CUBIC YARD.
- 4. EXCESS EARTH CUT MATERIALS, UNSUITABLE MATERIALS OR ROCK, IF ANY, SHALL BE PLACED AT A LOCATION ON OR NEAR THE SITE AS DESIGNATED BY THE OWNER.
- STRIP EXISTING TOPSOIL FROM AREAS THAT WILL BE EXCAVATED OR GRADED PRIOR TO COMMENCEMENT OF EXCAVATION OR GRADING AND PLACE IN WELL DRAINED STOCKPILES AT LOCATIONS APPROVED BY THE OWNER AND/OR ENGINEER.
- BASE MATERIAL SHALL BE CLEANED, SHAPED AND INSPECTED BEFORE ASPHALT LAYER IS ADDED.
- ELEVATIONS SHOWN ON THE PROFILES ARE CENTERLINE PAVEMENT ELEVATIONS, MEASURED TO

THE TOP OF FINISHED PAVEMENT. UNLESS OTHERWISE NOTED.

- 8. ALL OFFSITE DISTURBED AREAS SHALL BE RESTORED TO PRECONSTRUCTION CONDITION OR BETTER.
- CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF ALL WASTE MATERIALS CONSISTENT WITH REGULATIONS APPLICABLE TO THE MATERIALS.

STORMWATER

- STORM SEWER PIPE SHALL BE CIRCULAR, REINFORCED CONCRETE OR ALL ALLOWABLE PIPE MATERIAL, WALL B, CLASS III PIPE OR APPROVED EQUAL WITH A MAXIMUM "n" VALUE OF 0.013.
- END TREATMENT SHALL BE REINFORCED CONCRETE HEADWALLS, OR APPROVED EQUAL, SIZED TO MATCH THE STORM SEWER PIPE.
- 3. ALL DRAINAGE PIPE LENGTHS SHOWN ON THE PLANS ARE HORIZONTAL MEASUREMENTS FOR CENTER-TO-CENTER OF THE RELATED STRUCTURES.
- 4. ALL PROPOSED DRAINAGE STRUCTURES SHALL CONFORM TO THE GOVERNING JURISDICTION OR ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) STANDARD DETAILS UNLESS NOTED OTHERWISE.
- ALL PIPES UNDER PAVEMENTS: TRENCHED BACKFILL SHALL BE MECHANICALLY TAMPED FOR THE ENTIRE DEPTH OF TRENCH TO 95% STANDARD PROCTER. THE UPPER 12" SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTER. REFER TO THE CITY OF WEST POINT STANDARD SPECIFICATIONS AS NECESSARY.

GEOTECHNICAL

- 1. SOILS TESTING AND ON-SITE INSPECTION MAY BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER SELECTED AND PAID BY THE OWNER. IN THE EVENT OF CONFLICT BETWEEN THE INSTRUCTIONS BY THE ENGINEER AND RECOMMENDATIONS PROVIDED BY THE OWNER'S GEOTECHNICAL ENGINEER, THE CONTRACTOR WILL ADHERE TO THE MOST STRINGENT.
- 2. CONTRACTOR SHALL PROVIDE ANY EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 3. GEOTECHNICAL ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER, AND THE OWNER'S REPRESENTATIVE AND SHALL NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR PROMPTLY SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.
- 4. MOISTURE-DENSITY RELATIONSHIPS (STANDARD PROCTOR) SHALL BE DETERMINED FOR EACH SOIL TYPE ENCOUNTERED ONSITE TO PROVIDE DATA FOR QUALITY CONTROL. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE TEST RESULTS AND ADVISE ON THE SUITABILITY OF THE PROPOSED FILL MATERIAL. THE MOISTURE CONTENT AT THE TIME OF COMPACTION SHALL BE WITHIN 3 PERCENTAGE POINTS OF OPTIMUM MOISTURE CONTENT.
- 5. SUITABLE FILL MATERIAL SHALL BE FREE OF ORGANICS, STONES GREATER THAN ONE INCH IN DIAMETER, OR OTHER DELETERIOUS MATERIAL AS DETERMINED BY THE GEOTECHNICAL ENGINEER. SOILS MIXED WITH BLAST ROCK SHALL GENERALLY NOT BE CONSIDERED SUITABLE.
- 6. ALL FILLS SHALL BE COMPLETED IN LIFTS NOT TO EXCEED EIGHT INCHES IN LOOSE THICKNESS. EACH LIFT SHALL BE COMPACTED UTILIZING APPROPRIATE MECHANICAL MEANS.
- 7. COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D 698, AASHTO T-99:
- A. UNDER STRUCTURES, BUILDING SLABS, STEPS, AND PAVEMENTS, COMPACT THE TOP 12 INCHES BELOW SUBGRADE AT 98 PERCENT MAXIMUM DRY DENSITY, AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 95 PERCENT MAXIMUM DRY DENSITY.
- B. UNDER WALKWAYS, COMPACT THE TOP 6 INCHES BELOW THE SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 95 PERCENT MAXIMUM DRY DENSITY.
- C. UNDER LAWN OR UNPAVED AREAS, COMPACT THE TOP 6 INCHES BELOW SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 95 PERCENT MAXIMUM DENSITY.

- CONTRACTOR SHALL COORDINATE WITH THE UTILITY PROVIDER FOR THE WATER TAPPING CONNECTION.
- 2. ALL PIPES UNDER PAVEMENTS: TRENCHED BACKFILL SHALL BE MECHANICALLY TAMPED FOR THE ENTIRE DEPTH OF TRENCH TO 95% STANDARD PROCTER. THE UPPER 12" SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTER.
- 3. ALL OTHER TRENCH BACKFILL SHALL BE BACKFILLED AT A MINIMUM OF 90% STANDARD PROCTER UNLESS OTHERWISE SPECIFIED. IF THE TRENCH SETTLES THE CONTRACTOR AT HIS ON EXPENSE SHALL REFILL AND GRADE THE SURFACE TO CONFORM TO THE ADJACENT SURFACES.
- 8. MINIMUM COVER OVER WATER MAINS SHALL BE 48 INCHES.
- 9. ALL WORK SHALL CONFORM TO THE LOCAL JURISDICTION WATER SYSTEM STANDARD FOR DESIGN AND CONSTRUCTION SPECIFICATIONS. CONTRACTOR IS TO USE STANDARDS AND DRAWINGS THAT WERE CURRENT AT THE TIME THE PLANS WERE APPROVED BY.

SANITARY SEWER

- 1. CONTRACTOR SHALL COORDINATE WITH THE UTILITY PROVIDER FOR THE SEWER CONNECTION.
- 2. THE VERTICAL LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLAN AND PROFILE SHEETS HAVE BEEN ASSUMED. THE CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION NEAR EXISTING UTILITIES SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF THE LOCATION DIFFERS FROM THAT SHOWN ON THE THE PLANS BEFORE CONTINUING WITH CONSTRUCTION.
- 3. THE CONTRACTOR SHALL, BEFORE LAYING, JACK AND BORING, AND OR TRENCHING PIPE, LOCATE, POTHOLE, AND VERIFY EXISTING UTILITIES ELEVATIONS ALONG THE PROPOSED CONSTRUCTION ROUTE AND VERIFY THAT THESE UTILITIES ARE NOT IN CONFLICT WITH THE PROPOSED UTILITY PLACEMENT. THE POINTS OF CONNECTION TO THE EXISTING INFRASTRUCTURE SHALL BE UNCOVERED TO CONFIRM THE ELEVATION AND POINT OF CONNECTION TO BE MADE PRIOR TO LAYING, TRENCHING, OR JACK AND
- 4. EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN SHOWN, BASED ON THE BEST INFORMATION AVAILABLE, WITHOUT EXPLORATORY EXCAVATIONS. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ANY AND ALL DISCREPANCIES WITH THE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR HIS RESOLUTION.
- 5. ALL PIPES UNDER PAVEMENTS: TRENCHED BACKFILL SHALL BE MECHANICALLY TAMPED FOR THE ENTIRE DEPTH OF TRENCH TO 95% STANDARD PROCTER. THE UPPER 12" SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTER.
- 6. ALL OTHER TRENCH BACKFILL SHALL BE BACKFILLED AT A MINIMUM OF 90% STANDARD PROCTER UNLESS OTHERWISE SPECIFIED. IF THE TRENCH SETTLES THE CONTRACTOR AT HIS ON EXPENSE SHALL REFILL AND GRADE THE SURFACE TO CONFORM TO THE ADJACENT SURFACES.
- 7. MANHOLE INVERTS SHALL BE SMOOTH AND SHALL CLOSELY APPROXIMATE THE PIPE USED IN SIZE, SHAPE. AND SMOOTHNESS. THE MANHOLE FLOOR SHALL BE SLOPED 12:2 TO DRAIN ALL WATER TO THE INVERT. INVERTS ARE TO BE SOLID CONCRETE.
- 8. ALL MANHOLES LESS THAN 2.0' ABOVE THE 100 YEAR FLOOD PLAIN WILL BE HAVE BOLT DOWN/WATER TIGHT MANHOLE FRAME AND COVER.
- 9. THE SERVICE LINE SHALL BE A MINIMUM OF SIX (6) INCHES ABOVE THE INVERT OF THE MANHOLE OR FLOW LINE OF OUTGOING PIPE.
- 10. EACH LOT SHALL HAVE A SEWER CLEAN-OUT INSTALLED AT THE RIGHT-OF-WAY LINE.

EROSION AND SEDIMENT CONTROL

- 1. SEE "EROSION SEDIMENT AND POLLUTION CONTROL PLAN," NOTES AND DETAILS SHEETS, FOR ADDITIONAL EROSION AND SEDIMENT CONTROL NOTES.
- 2. CONSTRUCTION EXIT PADS SHALL BE INSTALLED BY THE CONTRACTOR AT EACH CONSTRUCTION
- 3. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE
- 4. PROVISIONS TO PREVENT EROSION OF THE SOIL FROM THE SITE SHALL CONFORM TO THE REQUIREMENTS OF THE ALABAMA HANDBOOK FOR "EROSION CONTROL, SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS," LATEST EDITION AND SHALL BE FOLLOWED AND INSTALLED IN A MATTER SO AS TO MINIMIZE EROSION OF THE DISTURBED AREAS AND PREVENT SEDIMENT FROM LEAVING THE SITE.
- 5. THE CONTRACTOR WILL BE REQUIRED TO INCORPORATE ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME DURING CONSTRUCTION. THE EROSION CONTROL MEASURES DETAILED HEREON SHALL BE CONTINUED UNTIL THE GRASS ON PLANTED SLOPES IS SUFFICIENTLY ESTABLISHED TO BE AN EFFECTIVE EROSION DETERRENT. THE SEDIMENT REMOVED FROM THE CONTROL STRUCTURES SHALL BE EVENLY DISTRIBUTED INSIDE CONSTRUCTION LIMITS. DISPOSED SEDIMENT SHALL BE PERMANENTLY GRASSED.
- 6. TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE INSTALLED PER THE "EROSION SEDIMENT AND POLLUTION CONTROL PLANS" FOR THIS PROJECT.
- 7. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ESTABLISHED. AS SHOWN ON THE "EROSION SEDIMENT AND POLLUTION CONTROL PLANS."

TYP.

STA.

INV. IN

INV. OUT

S.L.

DW-INLET

SW-INLET

ΕP

PVC

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DIP

DUCTILE IRON PIPE

PROPOSED CONTOUR

-√- FLOW ARROW

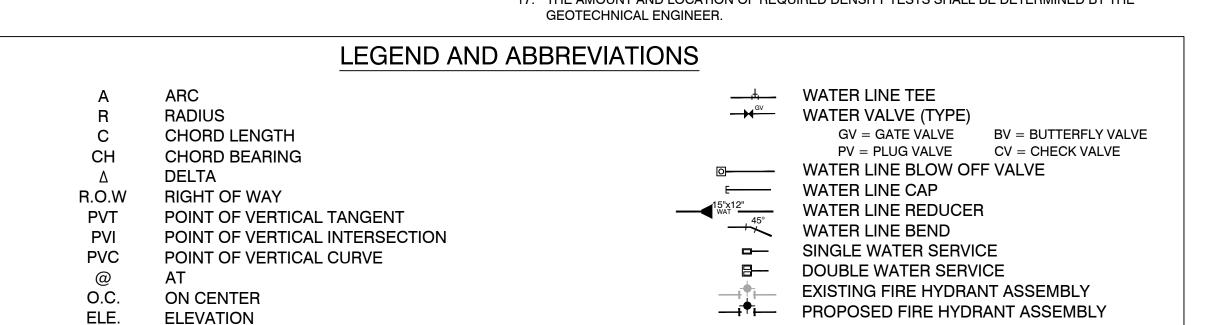
DAMS AND EMBANKMENTS

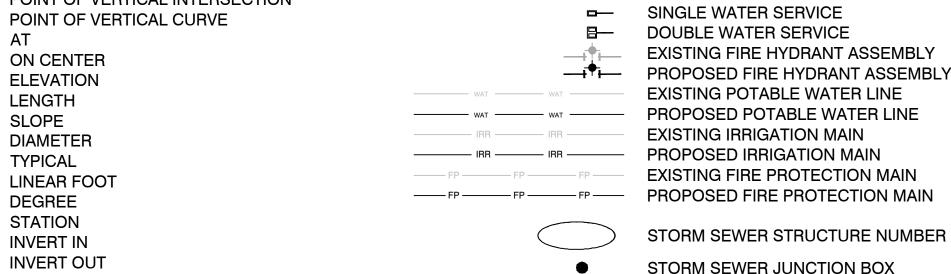
- ALL DAM AND EMBANKMENT CONSTRUCTION SHALL BE MONITORED BY THE GEOTECHNICAL
- 2. IN AREAS WHERE DAMS OR EMBANKMENTS ARE PROPOSED THE SITE SHALL BE STRIPPED OF ALL EXISTING TOPSOIL, VEGETATION, AND ROOTS.
- WHERE POSSIBLE, CLEARING AND GRUBBING SHALL EXTEND 50 FEET BEYOND THE DOWNSTREAM TOE OF THE PROPOSED EMBANKMENT TO ALLOW FOR ACCESS AND CLEARANCE FOR FUTURE
- 4. AT THE COMPLETION OF CLEARING AND GRUBBING ACTIVITIES, THE FOOTPRINT OF THE PROPOSED EMBANKMENT SHALL BE PROOFROLLED USING A FULLY LOADED TRI-AXEL DUMP TRUCK. 20 TON ROLLER, OR OTHER SIMILAR EQUIPMENT.
- ANY AREAS WHICH PUMP OR RUT EXCESSIVELY AND CANNOT BE DENSIFIED BY CONTINUED ROLLING. SHOULD BE UNDERCUT AND REPLACED WITH STRUCTURAL FILL TO AT LEAST 10 FEET OUTSIDE OF THE
- SURFACE WATER CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY MEASURES TO KEEP SURFACE WATER AWAY FROM CONSTRUCTION EXCAVATIONS
- SHOULD DEWATERING ACTIVITIES BE REQUIRED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO PREPARE AND SUBMIT A SURFACE WATER AND GROUNDWATER CONTROL PLAN TO THE GEOTECHNICAL ENGINEER. THIS PLAN MUST BE REVIEWED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- CONTRACTOR SHALL INSTALL TOE DRAINS ALONG ANY EMBANKMENTS AND DAMS IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
- 9. TOE DRAIN OUTLETS SHALL BE CONSTRUCTED IN SUCH A MANNER AS TO ALLOW FOR THE MEASUREMENT OF SEEPAGE FLOWS THROUGH THESE DRAINS.
- 10. EMBANKMENTS SHALL BE CONSTRUCTED WITH A SLOPE OF 3:1 OR FLATTER, UNLESS NOTED OTHERWISE.
- 11. THE CONTRACTOR SHALL COORDINATE WITH THE GEOTECHNICAL ENGINEER ON THE PLACEMENT AND OR MIXING OF ALL PROPOSED FILL MATERIALS.
- 12. IN GENERAL, STRUCTURAL FILLS SHALL HAVE A LIQUID LIMIT LESS THAN 50. PLASTIC INDEX LESS THAN 30 AND A STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698) GREATER THAN 90 PCF.
- 13. STRUCTURAL FILLS SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698).
- 14. STRUCTURAL FILLS SHALL BE PLACED IN A MAXIMUM OF 8 INCH THICK LOOSE HORIZONTAL LIFTS AND COMPACTED TO THE SPECIFIED COMPACTION.
- 15. STRUCTURAL FILL LIFTS SHALL NOT BE LEFT IN A SMOOTH CONDITION PRIOR TO THE PLACEMENT OF THE SUBSEQUENT LIFT. ANY SMOOTH SURFACE LIFTS SHALL BE LIGHTLY SCARIFIED PRIOR TO THE PLACEMEN OF THE NEXT LIFT.
- 16. SHOULD AN EXPOSED FILL SURFACE BECOME EXCESSIVELY WET OR DRY DURING BREAKS IN GRADING ACTIVITIES, THE CONTRACTOR SHALL, AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER, EITHER REMOVE THESE MATERIALS OR SCARIFY THE MATERIALS AND RE-COMPACT THEM IN PLACE PRIOR TO THE PLACEMENT OF SUBSEQUENT LIFTS.

DIRECTION OF FLOW

——FO——FO——FO—— PROPOSED FIBEROPTIC LINE

17. THE AMOUNT AND LOCATION OF REQUIRED DENSITY TESTS SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER.





INVERT OUT SERVICE LATERAL STORM SEWER FLARED END SECTION DOUBLE-WING INLET STORM SEWER YARD DRAIN SINGLE-WING INLET SINGLE-WINGED INLET MANHOLE DOUBLE-WINGED INLET **EDGE OF PAVEMENT GRATE AND HOOD INLET BACK OF CURB** AREA/GRATE INLETS FACE OF CURB EXISTING STORM DRAIN PIPE POLYVINYL CHLORIDE PIPE PROPOSED STORM DRAIN PIPE REINFORCED CONCRETE PIPE

HIGH PERFORMANCE POLYPROPYLENE PIPE SANITARY SEWER MANHOLE HIGH DENSITY POLYETHYLENE PIPE SANITARY SEWER STRUCTURE NUMBER SINGLE SANITARY SEWER SERVICE PROPERTY BOUNDARY LINE DOUBLE SANITARY SEWER SERVICE RIGHT-OF-WAY LINE LOT LINE **EXISTING SANITARY SEWER LINE** — — — — EASEMENT PROPOSED SANITARY SEWER LINE ---- SETBACK LINE EXISTING SANITARY SEWER FORCEMAIN CENTERLINE PROPOSED SANITARY SEWER FORCEMAIN EXISTING FENCE LINE EXISTING GAS LINE

PROPOSED FENCE LINE ———— GAS ————— PROPOSED GAS LINE EXISTING UNDERGROUND ELECTRIC LINE **EXISTING TREE LINE** PROPOSED TREE LINE EXISTING OVERHEAD ELECTRIC LINE **EXISTING WETLANDS** BORING LOCATIONS EXISTING TELEPHONE LINE PROPOSED TELEPHONE LINE BENCHMARK EXISTING FIBEROPTIC LINE **EXISTING CONTOUR**



SOCCER COMPLEX , LAGRANGE GA. ROAD 0 WHITESVILLE | TROUP COL

10/06/2023 ____ HG DRAWN BY JSH CHKD BY NOTES

JOB NO. <u>GA230155</u>



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