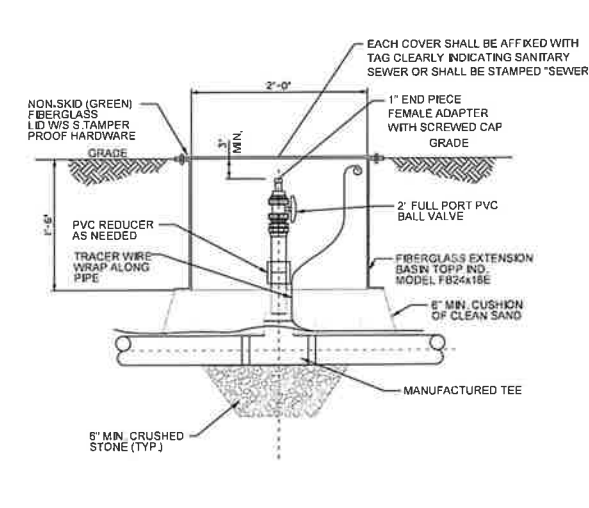
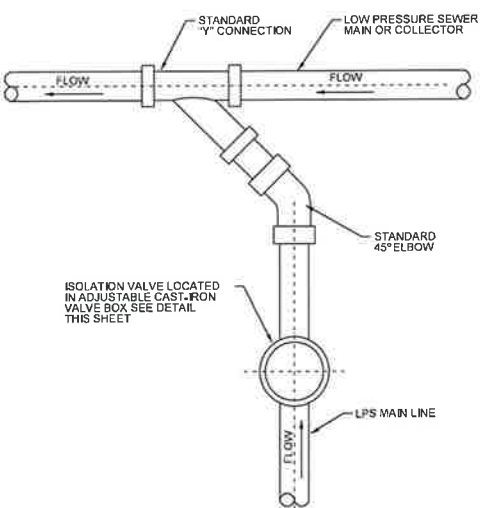


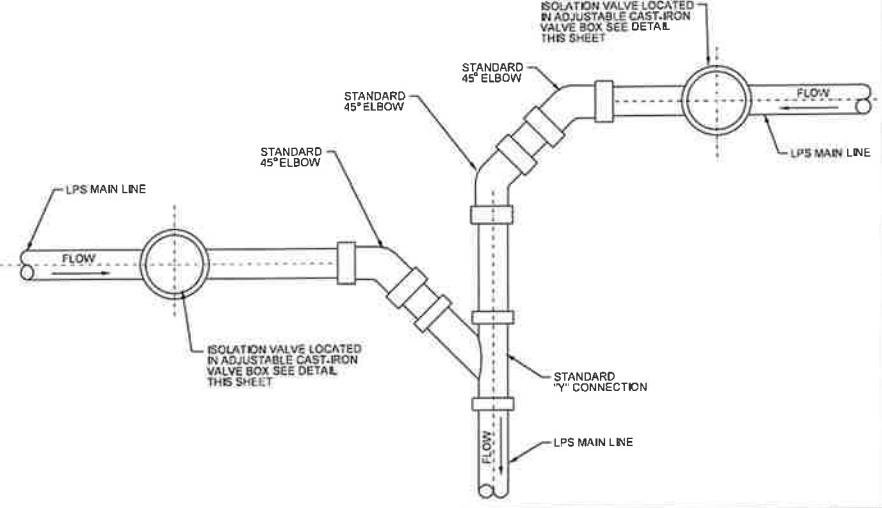
7 AUTOMATIC COMBINATION AIR & VACUUM VALVE DETAIL NTS



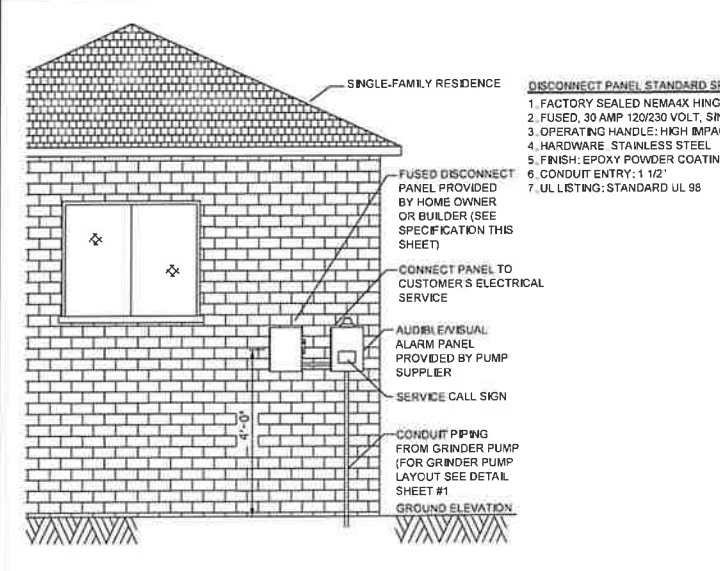
8 TYPICAL LOW PRESSURE FORCE MAIN MANUAL AIR RELIEF VALVE NTS



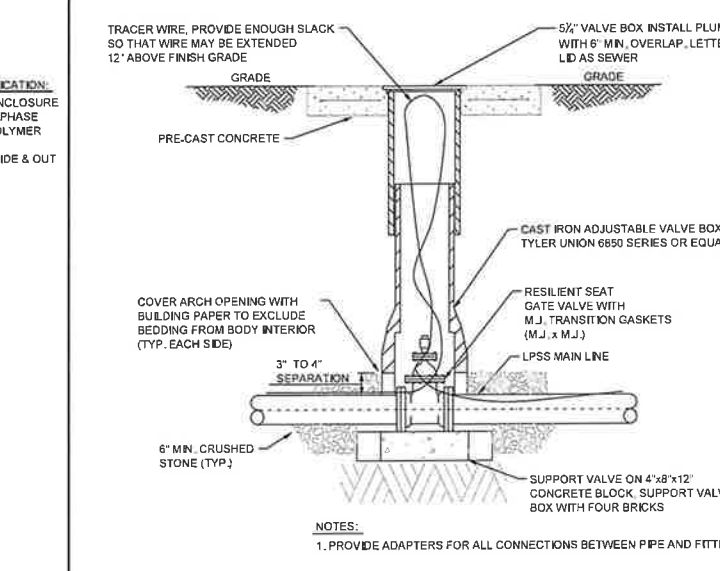
9 LOW PRESSURE FORCE MAIN LINE INTERSECTION ONE BRANCH NTS



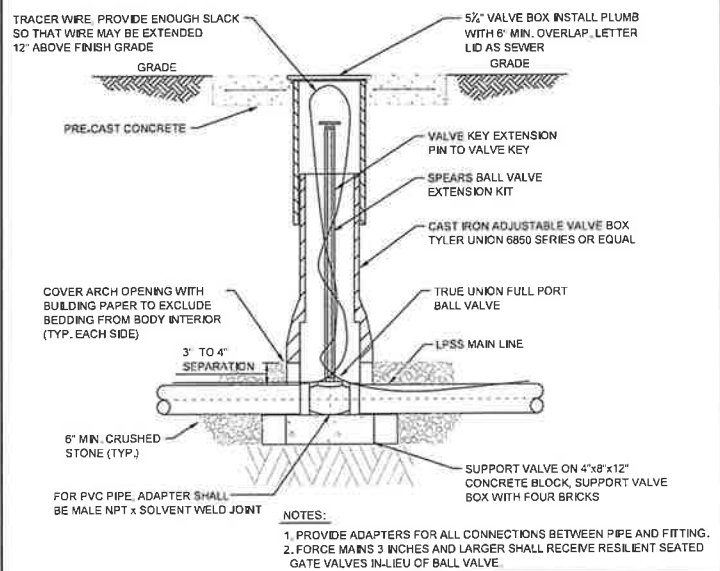
10 LOW PRESSURE FORCE MAIN LINE INTERSECTION TWO BRANCH NTS



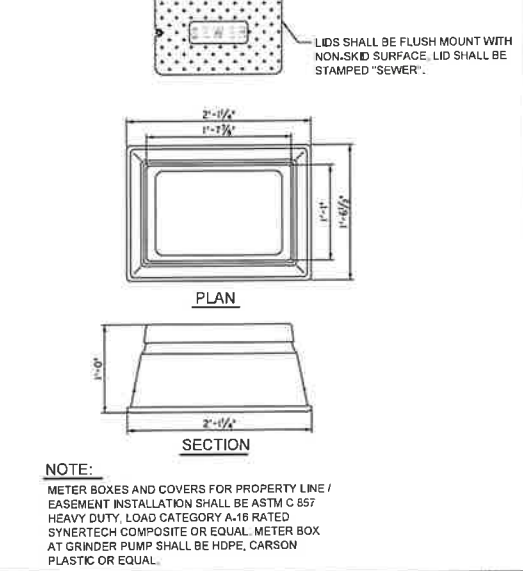
11 TYPICAL CONTROL PANEL AND DISCONNECT PANEL ASSEMBLY NTS



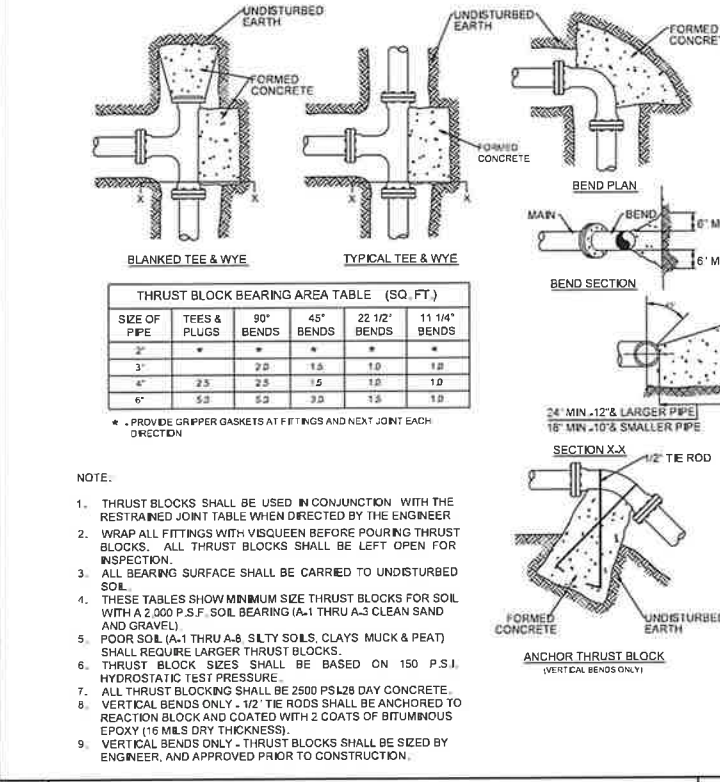
12 TYPICAL ISOLATION VALVE WITH BOX (3" DIA. OR LARGER LINE) NTS



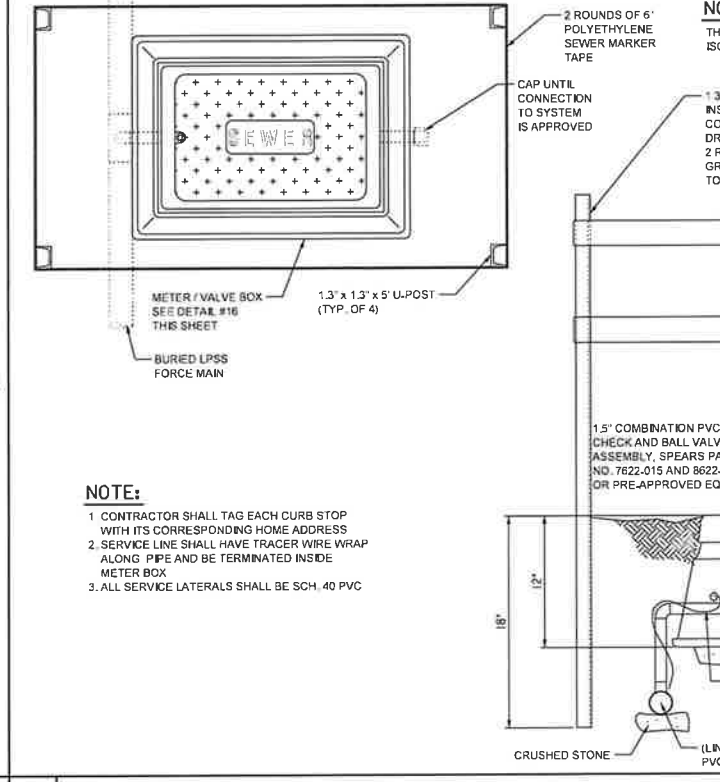
13 TYPICAL ISOLATION VALVE WITH BOX (2" DIA. OR SMALLER LINE) NTS



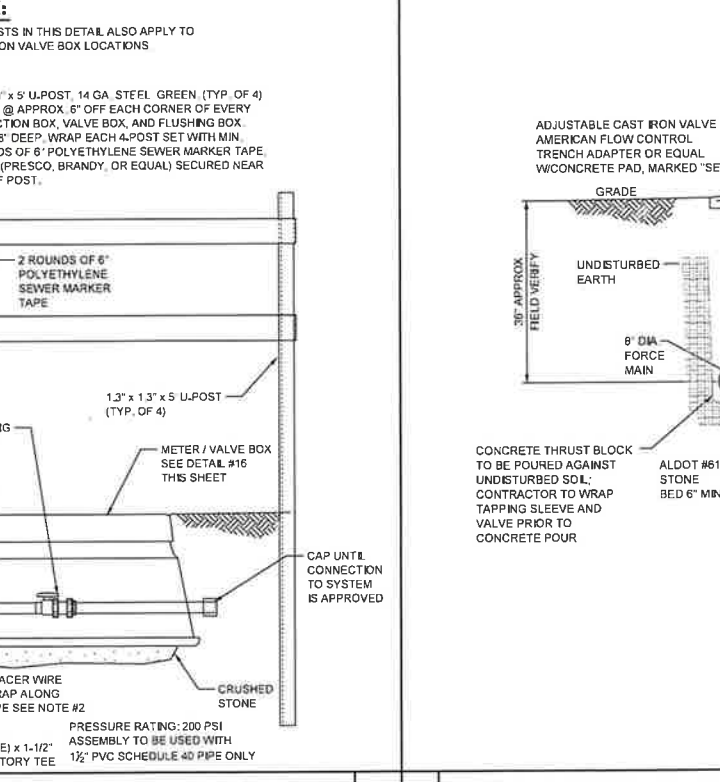
16 METER / VALVE BOX NTS



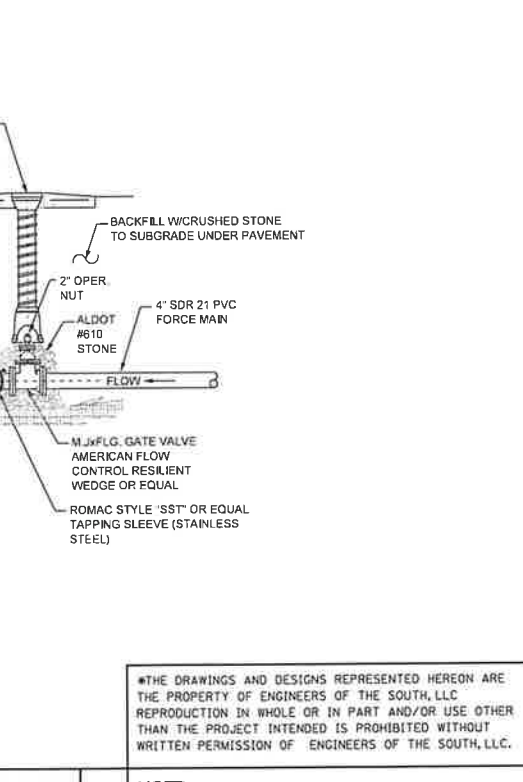
14 LOW PRESSURE THRUST BLOCK NTS



15 TYPICAL LOW PRESSURE SERVICE CONNECTION NTS



17 HOT TAP CONNECTION TO EXISTING SEWER NTS



16 METER / VALVE BOX NTS

NO.	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	FOR APPROVAL	FOR CONSTRUCTION	AS-BUILT



208 Oak Mountain Circle
Pelham, Alabama 35124
Tel: 205.327.9140
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ENGINEERS OF THE SOUTH

MISCELLANEOUS DETAIL SHEET #2

RAYLEY FARM - PHASE 3 & 4
GULF SHORES, ALABAMA

DESIGNED	WCE
DRAWN	DDC
APPROVED	WCE
SCALE	AS NOTED
DATE	DEC., 2021
JOB NUMBER	GS-20105
SHEET NUMBER	4

*THE DRAWINGS AND DESIGNS REPRESENTED HEREON ARE THE PROPERTY OF ENGINEERS OF THE SOUTH, LLC. REPRODUCTION IN WHOLE OR IN PART AND/OR USE OTHER THAN THE PROJECT INTENDED IS PROHIBITED WITHOUT WRITTEN PERMISSION OF ENGINEERS OF THE SOUTH, LLC.

SANITARY SEWER STANDARD NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF GULF SHORES UTILITIES AND/OR THE STATE HIGHWAY DEPARTMENT, AND APPLICABLE ADPH REGULATIONS.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST ASSOCIATED WITH ANY FINES OR DAMAGES CAUSED BY THE DISCHARGE OF SEDIMENTS OR ANY OTHER VIOLATION UNDER THIS PERMIT
3. PVC PIPE SHALL BE AWWA C900, CAST IRON (CI) STANDARD DIMENSIONS, DIMENSION RATIO (DR) 21, PRESSURE CLASS (PC) 200 PSI OR HOPE DR11 DUCTILE IRON PIPE SIZE AS INDICATED ON THE PLANS.
4. IN EARTH TRENCH FOUR INCHES OF CRUSHED STONE SHALL BE PLACED UNDER SEWER LINES OF 12 INCHES IN DIAMETER OR SMALLER AND SIX INCHES OF CRUSHED STONE SHALL BE PLACED UNDER SEWER LINES LARGER THAN 12 INCHES IN DIAMETER.
5. AT THE DIRECTION OF THE ENGINEER, A CONNECTION OF SANITARY SEWER PIPES (8 INCH THROUGH 16 INCH) OF DISSIMILAR SIZES OR FOR REPAIR OF SANITARY SEWER PIPES OF SIMILAR MATERIALS MAY BE MADE BY MEANS OF AN APPROVED MECHANICAL SEAL TYPE ADJUSTABLE COUPLING.
6. MANHOLES SHALL MEET ASTM SPECIFICATION C-478. JOINTS BETWEEN THE MANHOLE SECTIONS SHALL BE OFFSET TONGUE AND GROOVE 'PUSH ON' TYPE, SUPPLIED WITH TYLOX SUPER SEAL.
7. CONTRACTOR WILL BE RESPONSIBLE FOR THE CONTINUOUS AND PROPER OPERATION OF ALL EXISTING UTILITIES LOCATED ON OR ADJACENT TO THE PROJECT SITE AND WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT.
8. ALL EMBANKMENT FILL AREAS SHALL BE FILLED AND COMPACTED PRIOR TO EXCAVATION OF SEWER.
9. CONTRACTOR WILL BE RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS AND FOR ACQUISITION OF ALL PERMITS DURING CONSTRUCTION TO INSURE THAT DAMAGE DOES NOT OCCUR TO ADJACENT PROPERTIES, PUBLIC ROADS AND/OR DITCHES (CREEKS, STREAMS).
10. UPON COMPLETION OF ALL OR ANY PART OF A SANITARY SEWER LINE, THE CONTRACTOR WILL BE REQUIRED TO TEST SAID SEWER FOR ACCEPTABILITY. GRAVITY SEWERS WILL BE PRESSURE TESTED WITH AIR. FORCE MAIN SEWERS WILL BE PRESSURE TESTED WITH WATER.
11. ROCK SHALL BE UNDERCUT A MINIMUM OF 4' AND PIPE BEDDED IN STONE. NO SEPARATE PAY ITEM EXISTS FOR ROCK EXCAVATION. ALL EXCAVATION SHALL BE CONSIDERED TO BE UNCLASSIFIED EXCAVATION AND SUBSIDIARY TO OTHER BID ITEMS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY BACKUPS OR OVERFLOWS RESULTING FROM HIS WORK AND ALL SUBSEQUENT DAMAGES, FINES, PENALTIES, OR OTHER COSTS INCURRED.

SUBMITTALS

- A. PROJECT DATA SHALL INCLUDE MANUFACTURERS' STANDARD SCHEMATIC DRAWINGS MODIFIED TO DELETE INFORMATION WHICH IS NOT APPLICABLE TO THE PROJECT, AND SHALL BE SUPPLEMENTED TO PROVIDE ADDITIONAL INFORMATION APPLICABLE TO THE PROJECT. EACH COPY OF DESCRIPTIVE LITERATURE SHALL BE CLEARLY MARKED TO IDENTIFY PERTINENT INFORMATION AS IT APPLIES TO THE PROJECT.
B. WHERE SAMPLES ARE REQUIRED, THEY SHALL BE ADEQUATE TO ILLUSTRATE MATERIALS, EQUIPMENT OR WORKMANSHIP, AND TO ESTABLISH STANDARDS BY WHICH COMPLETED WORK IS JUDGED. PROVIDE SUFFICIENT SIZE AND QUANTITY TO CLEARLY ILLUSTRATE FUNCTIONAL CHARACTERISTICS OF PRODUCT AND MATERIAL, WITH INTEGRALLY RELATED PARTS AND ATTACHMENT DEVICES.
C. ALL SUBMITTALS SHALL BE MARKED TO IDENTIFY THE PROJECT, CONTRACTOR, SUBCONTRACTOR, OR SUPPLIER; PERTINENT PLANS; AND SPECIFICATION SECTION IF APPLICABLE.
D. PRIOR TO SUBMITTAL TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND CHECK SUBMITTALS, AND SHALL INDICATE REVIEW BY HIS STAMP, INITIALS, AND DATE.
E. IF THE SUBMITTALS INDICATE DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL ADVISE THE ENGINEER, IN THE LETTER OF TRANSMITTAL OF THE DEVIATION AND THE REASONS THEREFOR. ALL DEVIATIONS AND VARIANCES SHALL BE CLEARLY MARKED ON THE SUBMITTAL WITH A BOLD RED MARK. ALL ADDITIONAL COSTS RESULTING FROM MODIFICATIONS REQUESTED BY THE CONTRACTOR SHALL BE BORNE BY THE CONTRACTOR.
F. THE CONTRACTOR SHALL SUBMIT FIVE (5) COPIES OF SUBMITTAL DOCUMENTS UNLESS OTHERWISE SPECIFIED IN THE FOLLOWING PARAGRAPHS OR IN THE SPECIAL CONDITIONS.
G. CONTRACTOR'S STAMP: THE CONTRACTOR SHALL APPLY CONTRACTOR'S STAMP, INITIALS, AND DATE CERTIFYING THAT THE ITEMS HAVE BEEN REVIEWED IN DETAIL AND ARE CORRECT AND IN ACCORDANCE WITH CONTRACT DOCUMENTS, EXCEPT AS NOTED BY ANY REQUESTED VARIANCE.

PROJECT SPECIFIC NOTES

- 1. ALL ADEM, COUNTY, CITY AND/OR STATE PERMITS SHALL BE IN HAND AND ON SITE DURING THE CONSTRUCTION OF THE PROJECT.
2. ALL PERMITS, OTHER THAN THOSE LISTED IN THE SPECIFICATIONS, FOR THE DEVELOPMENT OF THESE PLANS ARE THE CONTRACTOR'S RESPONSIBILITY AND SHOULD BE OBTAINED PRIOR TO DISTURBING ANY AREAS OR BEGINNING ANY CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONCURRENT WORK BEING PERFORMED IN THE AREA.
4. A SIGNED AND SEALED COPY OF THE PLANS SHALL BE MAINTAINED ON SITE AND MADE READILY AVAILABLE FOR THE DURATION OF THE CONSTRUCTION.
5. THE CONTRACTOR SHALL OBTAIN FROM THE ENGINEER ONE (1) SET OF BLUELINE PRINTS OF THE CONTRACT PLANS. THESE PLANS SHALL BE KEPT AND MAINTAINED IN GOOD CONDITION AT THE PROJECT SITE AND A QUALIFIED REPRESENTATIVE OF THE CONTRACTOR SHALL ENTER UPON THESE PRINTS, FROM DAY-TO-DAY, THE ACTUAL 'AS-BUILT' RECORD OF THE CONSTRUCTION PROGRESS. ENTRIES AND NOTATIONS SHALL BE MADE IN A NEAT AND LEGIBLE MANNER AND THESE PRINTS SHALL BE DELIVERED TO THE ENGINEER UPON COMPLETION OF THE CONSTRUCTION. APPROVAL FOR FINAL PAYMENT WILL BE CONTINGENT UPON COMPLIANCE WITH THIS PROVISION.
6. AFTER CONSTRUCTION BEGINS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING AND/OR NOTIFYING THE ENGINEER AT LEAST FOURTY-EIGHT (48) HOURS IN ADVANCE OF THE FOLLOWING:
A. DAILY WORK SCHEDULE INCLUDING ANY CHANGES IN SCHEDULE.
B. IF WORK IS TO BE PERFORMED ON WEEKENDS AND/OR HOLIDAYS.
C. DATES TRENCHES WILL BE OPEN AND SEWERS WILL BE INSTALLED.
D. DATES STRUCTURES WILL BE INSTALLED.
E. DATE ALL APPLICABLE TESTS ARE TO BE PERFORMED.
F. DATE 'AS-BUILT' VERIFICATION IS TO BE PERFORMED.
G. ANY OTHER INFORMATION DEEMED NECESSARY TO ASSURE TO SANITARY SEWER FACILITIES ARE PROPERLY CONSTRUCTED.
7. ALL TESTING REQUIRED SHALL BE PERFORMED UNDER THE OBSERVATION OF THE ENGINEER, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE THE TESTING WITH THE APPROPRIATE PARTY. TEST RESULTS OBTAINED IN THE ABSENCE OF THE ENGINEER SHALL NOT BE ACCEPTED. PROVIDE A MINIMUM OF 48 HOURS NOTICE BEFORE COMMENCEMENT OF WORK AND TESTING.
8. ANY PORTION OF THE SANITARY SEWER FACILITY NOT INSPECTED AS PRESCRIBED BY THIS SECTION MAY REQUIRE EXCAVATION TO THE EXTENT REQUIRED BY THE ENGINEER.
9. ANY PORTION OF THE SANITARY SEWER FACILITY NOT PASSING THE TESTS SHALL BE REPAIRED OR REPLACED TO THE EXTENT REQUIRED BY THE ENGINEER AND RETESTED.
10. LOW PRESSURE FORCE MAINS ('LPS') SHALL BE VERIFIED AND DIMENSIONED FROM EDGE OF PAVEMENT (OR BACK OF CURB, IF APPLICABLE) OR LOT LINES AS APPROPRIATE. LPS DEPTH AND LOCATION INCLUDING DIMENSIONAL AND ELEVATION INFORMATION INDICATED ON THE APPROVED PLAN SHALL BE VERIFIED AND RECORDED. THIS INFORMATION TO CLEARLY INDICATE IT AS 'AS-BUILT' INFORMATION. BURIED ELECTRICAL SERVICE LINE LOCATED WITHIN THE LPS EASEMENT SHALL BE CLEARLY DIMENSIONED, LOCATED AND LABELED.
11. FOR PERPENDICULAR CROSSINGS OF LPS AND STORM WATER, POTABLE WATER, OR GAS, THE 'AS-BUILT' PLANS SHALL CLEARLY INDICATE WHICH UTILITIES ARE LOCATED OVER OR UNDER THE LPS, AS NECESSARY.
12. WHEN LPS IMPROVEMENTS ARE LOCATED WITHIN AN EASEMENT, THE 'AS-BUILT' SHALL ACCURATELY DEPICT THE LOCATION OF THE EASEMENT ITSELF AS WELL AS THE EXACT LOCATION OF THE IMPROVEMENTS WITHIN THE EASEMENT. THIS IS REQUIRED IN ORDER TO ENSURE THAT FUTUR SUBSURFACE EXCAVATION TO PERFORM REMEDIAL REPAIR CAN BE ACCOMPLISHED WITHOUT DISTURBANCE BEYOND THE EASEMENT. SUCH DOCUMENTATION AND THE ASSOCIATED PROPOSED EASEMENT DOCUMENT WITH LEGAL DESCRIPTION SHALL BE SUBMITTED FOR THE LPS OWNER'S REVIEW AND APPROVAL.
13. CAD FILE OF 'AS-BUILTS' SHALL BE IN STATE PLANE COORDINATES AND SHALL BE PROVIDED IN A FORMAT ACCEPTABLE TO THE LPS OWNER.
14. ALL 'AS-BUILT' PLANS SHALL BE PREPARED BY AN ALABAMA REGISTERED LAND SURVEYOR OR PROFESSIONAL ENGINEER USING THE FINAL APPROVED SITE DESIGN PREPARED BY THE ENGINEER OF RECORD. LINE WEIGHTS, TYPES AND ANNOTATION SHALL BE MANAGED IN A MANNER THAT CLEARLY DISTINGUISHES DESIGN INFORMATION FROM 'AS-BUILT' INFORMATION.

GENERAL SITE WORK NOTES

- 1. EXCAVATION FOR TRENCHES
A. DIG TRENCHES TO UNIFORM WIDTH REQUIRED FOR ITEM TO BE INSTALLED, INCLUDING WORKING ROOM.
B. EXCAVATE TRENCHES TO DEPTH INDICATED OR REQUIRED. CARRY DEPTH OF TRENCH FOR PILING TO ESTABLISH REQUIRED LINE AND GRADE.
C. WHERE ROCK IS ENCOUNTERED, CARRY EXCAVATION MINIMUM 6 INCHES BELOW REQUIRED ELEVATION. BACKFILL WITH A 6 INCH LAYER OF CRUSHED STONE OR GRAVEL BEFORE INSTALLING PIPE.
D. NOTCH UNDER PIPE BELLS TO PROVIDE SOLID BEARING FOR ENTIRE BODY OF PIPE.
E. BACKFILL TRENCH WITH CONCRETE WHEN WITHIN 18" OF FOOTINGS AND WHERE PASSING UNDER FOOTINGS. PLACE CONCRETE LEVEL WITH THE BOTTOM OF THE ADJACENT FOOTING.
F. DO NOT BACKFILL TRENCHES UNTL TESTS AND INSPECTIONS HAVE BEEN MADE. USE CARE TO AVOID DAMAGE OR DISPLACEMENT OF PIPE.
G. BACKFILL TRENCHES IN 6 INCH LIFTS AND COMPACT WITH MECHANICAL PISTON TAMPERS TO COMPACTION REQUIREMENTS. INCLUDE PROVISION FOR MOISTURE CONDITIONING AND COMPACTION OF TRENCH FILL, IF NEEDED.
H. THE CONTRACTOR SHALL REPLACE ALL SURFACE MATERIAL AND SHALL RESTORE PAVING, CURBING, SIDEWALKS, GUTTERS, AND OTHER SURFACES DISTURBED TO A CONDITION EQUAL TO THAT BEFORE THE WORK BEGAN, FURNISHING ALL LABOR AND MATERIAL INCIDENT THERETO.
I. FILL CONTAINING RED CLAY IS ONLY ALLOWED BENEATH ROADWAYS OR CONTAINED WITHIN FOOTING BENCHES

CONCRETE IN MINOR STRUCTURES

- 1. CLASS "B" CONCRETE SHALL BE REINFORCED OR NON-REINFORCED CONCRETE HAVING A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 3,500 POUNDS PER SQUARE INCH. CLASS B CONCRETE SHALL BE USED FOR TRENCH BOTTOM STABILIZATION, PIPE PROTECTION ENCASUREMENT, PIPE COLLARS, ANCHORS, MASSIVE SECTIONS, AND SIMILAR WORK.
2. CONCRETE SHALL BE MANUFACTURED AND DELIVERED TO THE PROJECT SITE BY A READY-MIX MANUFACTURER EXPERIENCED IN READY-MIX CONCRETE.
3. READY-MIX CONCRETE SHALL COMPLY WITH REQUIREMENTS OF ASTM C-94, AND AS SPECIFIED.
4. MIX CONCRETE ONLY IN QUANTITIES FOR IMMEDIATE USE.
5. CONCRETE MIX DESIGN FOR PARTICULAR APPLICATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
6. REINFORCING MATERIAL FOR CAST IN PLACE CONCRETE:
A. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615, A-616, OR A-617. REINFORCING BARS SHALL BE GRADE 60 DEFORMED BARS, OR AS SPECIFIED ON THE PLANS.
B. WELDED WIRE FABRIC OR COLD-DRAWN WIRE FOR CONCRETE REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-185 OR ASTM A-82, RESPECTIVELY.
C. THE CONTRACTOR SHALL MAINTAIN REINFORCING IN PROPER POSITION DURING CONCRETE PLACEMENT.
7. CONCRETE PLACEMENT:
A. PRIOR TO PLACING ORDER FOR CONCRETE, THE CONTRACTOR SHALL INSPECT AND COMPLETE FORM WORK INSTALLATION, REINFORCING STEEL, AND ITEMS TO BE EMBEDDED OR CAST IN. THE CONTRACTOR SHALL NOTIFY OTHER CRAFTS TO PERMIT INSTALLATION OF THEIR WORK; AND COOPERATE WITH OTHER TRADES IN SETTING SUCH WORK. IN ADDITION TO OTHER EQUIPMENT REQUIRED FOR PLACEMENT, THE CONTRACTOR SHALL PROVIDE STANDBY VIBRATORS (MINIMUM OF TWO (2) UNITS) DURING ALL CONCRETE PLACEMENT.
B. THE CONTRACTOR SHALL COMPLY WITH ACI 304, 'RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE', AND AS HEREIN SPECIFIED.
C. FRESHLY PLACED CONCRETE SHALL BE PROTECTED FROM WASHY RAIN, FLOWING WATER, OR OTHER INJURIOUS CONDITIONS, AND SHALL NOT BE ALLOWED TO BECOME DRY FROM THE TIME IT IS PLACED UNTIL THE EXPIRATION OF THE 7-DAY CURING PERIOD.
D. THE CONTRACTOR SHALL CONSOLIDATE PLACED CONCRETE BY HAND HELD MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING, RODDING, OR TAMPING. THE CONTRACTOR SHALL USE EQUIPMENT AND PROCEDURES FOR CONSOLIDATION OF CONCRETE IN ACCORDANCE WITH ACI 309.
E. THE CONTRACTOR SHALL CONSOLIDATE CONCRETE DURING PLACING OPERATIONS SO THAT CONCRETE IS THOROUGHLY WORKED AROUND REINFORCEMENT AND OTHER EMBEDDED ITEMS AND INTO CORNERS.
F. THE CONTRACTOR SHALL PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS, OR LOW TEMPERATURES IN ACCORDANCE WITH PROVISIONS OF ACI 308.
G. THE CONTRACTOR SHALL MAINTAIN THE CONCRETE AT A TEMPERATURE OF NOT LESS THAN 50° F AND NOT MORE THAN 90°+176 F FOR A PERIOD NOT LESS THAN 72 HOURS.
8. CONCRETE MATERIALS:
A. PORTLAND CEMENT SHALL CONFORM TO THE FOLLOWING: ALL WATER BEARING STRUCTURES SHALL CONFORM TO TYPE IV ASTM C-150, NON- WATER BEARING STRUCTURES SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-150, TYPE I.
B. THE CONTRACTOR SHALL USE ONE BRAND OF CEMENT THROUGHOUT THE PROJECT UNLESS OTHERWISE ACCEPTABLE TO THE ENGINEER.
C. FLY ASH SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-618, TYPE F.
D. FINE AGGREGATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-33. THE CONTENT OF MATERIAL PASSING A NUMBER 200 SIEVE SHALL NOT EXCEED 4 PERCENT. THE CONTRACTOR SHALL USE ONLY CLEAN, SHARP, NATURAL SAND.
E. COARSE AGGREGATES SHALL BE CRUSHED LIMESTONE CONFORMING TO THE REQUIREMENTS OF ASTM C- 33. CRUSHED LIMESTONE FOR COARSE AGGREGATE SHALL CONSIST OF UNCOATED PARTICLES OF SOUND, DURABLE ROCK OF UNIFORM QUALITY CONTAINING NO MORE THAN 15 PERCENT FLAT OR ELONGATED PARTICLES (LONG DIMENSION MORE THAN FIVE TIMES THE SHORT DIMENSION). CONTENT OF MATERIAL PASSING A NUMBER 200 SIEVE SHALL NOT EXCEED 0.5 PERCENT. NO SURFACE YELLOW OR SOFT STONE SHALL BE PERMITTED. THE SPECIFIC GRAVITY OF THE STONE SHALL NOT BE LESS THAN 2.56.
F. WATER SHALL BE CLEAN AND POTABLE.
G. THE CONTRACTOR SHALL PROVIDE CONCRETE ADMIXTURES WHICH CONTAIN NOT MORE THAN 0.1 PERCENT CHLORIDE IONS.

GENERAL NOTES

- 1. SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR SAFETY, MEANS, OR METHODS OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL APPROPRIATE AGENCIES BEFORE WORK COMMENCES TO VERIFY THE TYPE, LOCATION, PROTECTION REQUIREMENTS, DEPTH OF ALL EXISTING UTILITIES, DRAINAGE FACILITIES, AND OTHER OBSTRUCTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REPAIRING AND/OR REPLACING ANY SUCH ITEMS DAMAGED DURING CONSTRUCTION.
3. UTILITIES ON PLANS AND PROFILES ARE SHOWN IN APPROXIMATE LOCATIONS AND MAY BE AT ASSUMED ELEVATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS OF EXISTING UTILITIES, OBSTRUCTIONS, AND DRAINAGE STRUCTURES, UNLESS APPROVED IN ADVANCE BY THE ENGINEER AND OWNER. ALL EXISTING LINES SHALL REMAIN ACTIVE THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION AND SATISFACTORY REPAIR OR REPLACEMENT OF DAMAGED FACILITIES.
4. CONTRACTOR SHALL LOCATE AND UNCOVER ALL POTENTIALLY CONFLICTING UTILITIES BEFORE CONSTRUCTION GRADES OR DEPTHS OF CUT ARE FINALIZED AND PIPE IS LAID.
5. APPROXIMATE LOCATIONS OF OVERHEAD POWER LINES MAY OR MAY NOT BE SHOWN ON PLANS. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL LOCATIONS IN THE FIELD AND PLAN WORK IN THESE AREAS ACCORDINGLY.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE DRAINAGE, STORMWATER PERMITS, AND COMPLIANCE WITH ALL GOVERNMENTAL STORMWATER REGULATIONS.
7. ALL ASPHALT AND CONCRETE PAVING REMOVED AND REPLACED SHALL BE NEAT SAW CUT.
8. ALL EXCAVATION BACKFILL SHALL BE COMPACTED TO MIN 95% STANDARD PROCTOR DENSITY AND AS REQUIRED TO PREVENT SETTLEMENT.
9. ALL CONNECTIONS TO EXISTING LINES TO BE COORDINATED WITH GULF SHORES UTILITIES TO MINIMIZE INTERRUPTION OF SEWER SERVICE.

EROSION CONTROL NOTES

- 1. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL TEMPORARY EROSION CONTROL DEVICES DURING CONSTRUCTIONS AS TO INSURE PERMIT COMPLIANCE, INCLUDING PROTECTING ADJACENT PROPERTY, STREAMS, CHANNELS, AND PUBLIC ROADS. THE CONTRACTOR SHALL ASSUME LIABILITY FOR ALL FAILURES OF THE SYSTEM AND BE RESPONSIBLE FOR CLEANUP AND/OR REPAIRS TO THE SYSTEM.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST ASSOCIATED WITH ANY FINES OR DAMAGES CAUSED BY THE DISCHARGE OF SEDIMENTS OR ANY OTHER VIOLATION UNDER THIS PERMIT.
3. THE MEASURES SHOWN ON THE PLANS ARE INTENDED FOR CONTROL DURING SITE CLEARING AND GRADING. ADDITIONAL MEASURES, INCLUDING SILT FENCES, HAY BALES, AND CHECK DAMS, WILL BE REQUIRED AS SITE CONDITIONS CHANGE DURING CONSTRUCTION.
4. COORDINATE THE INSTALLATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURE WITH THE CLEARING AND GRUBBING OPERATION. THESE ACTIVITIES MUST OCCUR IN THE PROPER SEQUENCE IN RELATION TO ONE ANOTHER TO COMPLY WITH THE PERMIT.
5. THE CONTRACTOR WILL INSTALL AND MAINTAIN THE EROSION AND SEDIMENTATION CONTROL MEASURE (BOTH TEMPORARY AND PERMANENT) AS A CONTINUING PROGRAM UNTIL THE SITE WORK IS COMPLETE AND THE SITE IS STABILIZED. ALL CONTROL MEASURES SHALL BE CHECKED, AND REPAIRED AS NECESSARY, MONTHLY IN DRY PERIODS AND WITHIN TWENTY-FOUR (24) HOURS AFTER ANY RAINFALL AT THE SITE OF 75 INCH WITHIN A TWENTY-FOUR (24) HOUR PERIOD. DURING PROLONGED RAINFALLS, DAILY CHECKING AND, IF NECESSARY, REPAIRING SHALL BE DONE.
6. ALL EROSION CONTROL MEASURES COMPROMISED BY SEDIMENT BUILD-UP INCLUDING RIP RAP, SILT FENCES, HAY DAMS, CHECKS, OR OTHER DEVICES, WILL BE REPAIRED OR REPLACED AS NECESSARY.
7. ANY PIPE, CREEK, OR OTHER STORM DRAINAGE FEATURE SHOWING EVIDENCE OF SEDIMENT ACCUMULATION SHALL BE CLEANED OUT. THE SEDIMENT REMOVED SHALL BE DISPOSED OF IN A LOCATION APPROVED BY THE OWNER OR HIS REPRESENTATIVE.
8. DO NOT DEPOSIT WASTE, LOOSE SOIL OR OTHER MATERIALS IN LIVE STREAMS, SWALES OR DRAINAGE WAYS, EXCEPT AS APPROPRIATE FOR EROSION CONTROL (E.G. LOG AND BRUSH CHECKS).
9. AFTER THE EROSION ACTIVITY HAS STABILIZED, THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION CONTROL DEVICES AT THE DIRECTION OF THE OWNER AND CLEANING UP AND DRESSING THE AREA TO THE SATISFACTION OF THE OWNER.
10. ADEQUATE PROTECTIVE MEASURES SHALL BE PROVIDED FOR THE CONTAINMENT HAZARDOUS SUBSTANCES AND ANY OTHER MATERIAL WHICH MAY POLLUTE STORM WATER, INCLUDING PETROLEUM PRODUCTS, LUBRICANTS, AND PAINT. ADEQUATE PROTECTIVE MEASURES SHALL BE PROVIDED FOR THE CONTAINMENT HAZARDOUS SUBSTANCES AND OTHER MATERIALS, WHICH MAY POLLUTE INCLUDING PETROLEUM PRODUCTS, LUBRICANTS, AND PAINTS, SHALL BE STORED IN ACCORDANCE TO WITH SPCC REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM ALL STORMS DRAINS, DITCHES, AND GUTTERS IN WATER TIGHT CONTAINERS. DISPOSAL OF THESE MATERIALS SHALL BE IN ACCORDANCE WITH ADEM REGULATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ON SITE FOR DISPOSAL OF CONSTRUCTION MATERIALS. CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING TRASH FROM THE SITE TO ENTER THE STORM DRAINAGE SYSTEM.
11. SILT FENCE BARRIER SHALL BE FABRIC 36 INCHED IN WIDTH (MIN.) AND BE ENVIROFENCE 100X AS MANUFACTURED BY MIRAFI, INC. OR APPROVED EQUAL. THE FABRIC SHALL BE SUPPORTED BY WIRE FENCE, HAVING A MINIMUM OF 6 LINE WIRES AND A MAXIMUM OF 12" STAY SPACING. WIRE FENCE SHALL BE SUPPORTED BY STEEL POSTS OR WOOD POST (4" DIA. OR SQ.) WITH #9 WIRE STAPLES (1/2" L MIN.) THE BOTTOM EDGE OF THE FENCE WILL BE PLACED IN A EXCAVATED TRENCH 6" DEEP AND COVERED AS SHOWN IN THE SILT FENCE DETAIL.
12. ALL STORM SEWER INLETS IN DISTURBED AREAS OR IN OTHER AREAS SUBJECT TO POTENTIAL INFLOW OF SEDIMENT SHALL BE PROTECTED AT A MINIMUM WITH HAY BALES AND SILT FENCE.
13. ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR MORE THAN 14 DAYS MUST BE SEEDED AND MULCHED.
14. ANY DISTURBANCE OF SOIL AND VEGETATION OUTSIDE THE LIMITS OF THE CLEARING LINE WILL NOT BE PERMITTED UNDER ANY CONDITION.
15. PREVENT RUN-ON AND RUN-OFF FROM SOIL AND SEDIMENT PILES BY SURROUNDING PILE WITH HAY BALES AND/OR SILT FENCE.
16. PREVENT AND CONTROL SOIL EROSION AND GULLYING WITHIN THE PROPERTY COVERED BY CONTRACT AND THE ADJACENT PROPERTIES AS A RESULT OF CONSTRUCTION.
17. THE CONTRACTOR IS RESPONSIBLE FOR PROPER COLLECTION, STORAGE, AND DISPOSAL OF SOLID AND SANITARY WASTES. DISPOSAL OF THESE WASTES SHALL BE OFF-SITE IN AN APPROPRIATELY PERMITTED FACILITY. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY.

Table with columns: NO., DATE, DESCRIPTION, REVISIONS, FOR CHECK AND COMMENT, FOR APPROVAL, FOR BID ONLY, RELEASED FOR CONSTRUCTION, AS-BUILT.



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GENERAL NOTES, RAYLEY FARM - PHASE 3 & 4, GULF SHORES, ALABAMA.

DESIGNED: WCE, DRAWN: DDC, APPROVED: WCE, SCALE: AS NOTED, DATE: DEC., 2021, JOB NUMBER: GS-20105, SHEET NUMBER: 6.