

March 8, 2021

City of Foley Engineering Department 200 W Laurel Ave, Suite 225 Foley, AL 36535

Attn: Taylor L. Davis, PE – Deputy City Engineer

Re: Proposal of Professional Services – County Road 12 Roadway Widening Construction Engineering & Inspection & Materials Testing

Dear Taylor,

Engineering Design Group, LLC (EDG) is pleased to submit this proposal of professional services associated with the above-referenced project. It is our understanding that the City is preparing to execute a construction contract with the selected general contractor for the proposed improvements to County Road 12. The improvements are enclosed as Exhibit A.

We will provide construction engineering and inspection and construction material testing for the duration of the 100 calendar day contract. EDG will engage a licensed geotechnical firm to perform the construction material testing. Our scope of work is described in more detail on the following pages.

Thank you for the opportunity to present our proposal. We look forward to working with you on this project.

This agreement is provided with the expectation that it is not being used in a price comparison with other professional services firms. Alabama law prohibits licensed engineers and land surveyors from participating in any process that solicits prices from two or more licensed engineers or land surveyors simultaneously. The law defines this practice as bidding and participation by a licensee is prohibited. If this agreement is being used in this manner, we must by law, withdraw this agreement from consideration.

Attachments: Exhibit A - Construction Plans

Scope of Services

1.1 Construction Engineering and Inspection

EDG will perform construction engineering and inspection services to monitor construction activities on the project. We will provide periodic site inspections during active construction activities and prepare weekly construction observation reports for the duration of the construction contract (100 calendar days). Should the construction phase extend beyond the contract duration, we will negotiate additional services should they be needed.

1.2 Construction Material Testing

EDG will engage a licensed geotechnical firm registered in the State of Alabama to perform construction material testing.

We understand that this scope will include the following:

- Proof roll prior to asphalt placement Proof roll to be performed by the contractor with a loaded tandem axle dump truck and proof roll to be observed and documented by geotechnical personnel.
- Compaction testing on base material
- Compaction testing on select fill
- Proctor test and classification test on base material
- Proctor test and classification test on select fill

1.3 Additional Services

Service needs that arise and are required but have not been included in our original scope of services will be performed on an hourly basis according to the attached fee schedule. We will not proceed with additional work without the Client's approval.

Exclusions

Items specifically **NOT INCLUDED** in this scope of work include: Permitting fees, ADEM construction stormwater monitoring, Civil Engineering Design, Surveying, Landscape Design, continuous on-site inspections, Corps of Engineers Permitting. If any of these items becomes necessary, we will perform those tasks as Additional Services or help you to contract with an entity which provides that service.

2.0 Compensation and Payment for Services:

Engineering Design Group, LLC's fee for the scope of services outlined in Part 1.0 is as follows:

2.1 Construction Engineering & Inspection

\$ 21,000.00 Lump Sum

2.2 Construction Material Testing

\$ 4,560.00 Lump Sum

2.3 Additional Services

Hourly Rates, as Required

Our receipt of a signed copy of this proposal will serve as our formal notice to proceed with the above described scope of services.

Engineering Design Group, LLC can commence work immediately upon receipt of your written authorization to proceed. If this proposal is acceptable, please authorize Engineering Design Group, LLC to proceed with the above Scope of Services by signing in the appropriate location and returning a copy to Engineering Design Group, LLC.

Sincerely,

Engineering Design Group, LLC

David A Dichiara, P.E., Alabama License #35032

"This cost proposal is accepted as written and Engineering Design Group, LLC is hereby authorized to commence the work as described in the above Scope of Services"

Authorization by:		
Title:	Date:	

HOURLY RATE SCHEDULE AND REIMBURSABLE EXPENSES

Personnel time for additional services covered under this agreement will be invoiced based on the following Rate Schedule. These Rates are subject to adjustment on January 1st of each year.

Engineering Rate Schedule

•	Principal in Charge	\$150.00 per hour
•	Project Manager	\$130.00 per hour
•	Senior Design Engineer	\$120.00 per hour
•	Project Engineer	\$105.00 per hour

Surveying Rate Schedule

Field Crew	\$145.00 per hour
Professional Land Surveyor	\$125.00 per hour
Senior Drafter	\$ 95.00 per hour
Drafter	\$ 85.00 per hour
	Professional Land Surveyor Senior Drafter

Reimbursable Expenses

Expenses incurred for work covered under this contract will be invoiced at cost plus 15 percent. These expenses include, but are not limited to:

- Printing
- Shipping
- Permitting and Application Fees
- Outside Consultants
- Travel (Travel will be reimbursed at \$0.58 per mile)

Payment

Services rendered in accordance with this proposal will be invoiced monthly based on work completed. Invoices are due upon receipt and will be considered delinquent if not received within 30 days after receipt. Engineering Design Group LLC may, without legal consequence, suspend services until payment is received.

Client agrees that payment for services rendered shall not be contingent or dependent upon any conditions or any action or undertaking of the Client other than those conditions, if any, specifically set forth in this agreement.

TERMS AND CONDITIONS:

- 1. **CONTRACT** These Contract Provisions and the accompanying Proposal constitute the full and complete Agreement between the parties and may be changed, amended, added to, superseded, or waived only if both parties specifically agree in writing to such amendment of the Agreement. In the event of any inconsistency between these Contract Provisions and any proposal, contract, purchase order, requisition, notice to proceed, or like document, these Contract Provisions shall govern.
- 2. **RIGHT OF ENTRY** When entry to property is required for the CONSULTANT to perform its services, the Client agrees to obtain legal right-of-entry on the property.
- 3. DOCUMENTS All reports, notes, drawings, specifications, data, calculations, and other documents, including those in electronic form, prepared by CONSULTANT are instruments of CONSULTANT's service that shall remain CONSULTANT's property. The Client agrees not to use CONSULTANT-generated documents for marketing purposes, for projects other than the project for which the documents were prepared by CONSULTANT, or for future modifications to this project, without CONSULTANT's express written permission.

Any reuse or distribution to third parties without such express written permission or project-specific adaptation by CONSULTANT will be at the Client's sole risk and without liability to CONSULTANT or its employees, subsidiaries, independent professional associates, subconsultants, and subcontractors. Client shall, to the fullest extent permitted by law, defend, indemnify, and hold harmless CONSULTANT from and against any and all costs, expenses, fees, losses, claims, demands, liabilities, suits, actions, and damages whatsoever arising out of or resulting from such unauthorized reuse or distribution.

- 4. **DISPOSAL OF SAMPLES** CONSULTANT will discard samples upon completion of the work covered under this Agreement, unless the Client instructs otherwise in writing.
- 5. **HAZARDOUS MATERIALS** The scope of CONSULTANT's services for this Agreement does not include any responsibility for detection, remediation, accidental release, or services relating to waste, oil, asbestos, lead, or other hazardous materials, as defined by Federal, State, and local laws or regulations.
- 6. CONSTRUCTION PHASE SERVICES If CONSULTANT performs any services during the construction phase of the project, CONSULTANT shall not supervise, direct, or have control over Contractor's work. CONSULTANT shall not have authority over or responsibility for the construction means, methods, techniques, sequences or procedures or for safety precautions and programs in connection with the work of the Contractor. CONSULTANT does not guarantee the performance of the construction contract by the Contractor and does not assume responsibility for the Contractor's failure to furnish and perform its work in accordance with the Contract Documents.
- 7. STANDARD OF CARE CONSULTANT and its employees, subsidiaries, independent professional associates, subconsultants, and subcontractors will exercise that degree of care and skill ordinarily practiced under similar circumstances by design professionals providing similar services. Client agrees that services provided will be rendered without any warranty, express or implied.
 - CONSULTANT shall exercise usual and customary professional care in its efforts to comply with applicable codes, regulations, laws, rules, ordinances, and such other requirements in effect as of the date of execution of this Agreement.
- 8. **OPINION OF PROBABLE COSTS** When required as part of its work, CONSULTANT will furnish opinions of probable cost, but does not guarantee the accuracy of such estimates. Opinions of probable cost, financial evaluations, feasibility studies, economic analyses of alternate solutions, and utilitarian considerations of operations and maintenance costs prepared by CONSULTANT hereunder will be made on the basis of CONSULTANT's experience and qualifications and will represent CONSULTANT's judgment as an experienced and qualified design professional. However, users of the probable cost opinions must recognize that CONSULTANT does not have control over the cost of labor, material. equipment, or services furnished by others or over market conditions or contractors' methods of determining prices or performing the work.
- 9. SUSPENSION OF WORK The Client may, at any time, by written notice, suspend further work by CONSULTANT. The Client shall remain liable for, and shall promptly pay CONSULTANT for all services rendered to the date of suspension of services, plus suspension charges, which shall include the cost of assembling documents, personnel and equipment, rescheduling or reassignment, and commitments made to others on Client's behalf.

Client shall pay CONSULTANT pursuant to the rates and charges set forth in the Proposal. CONSULTANT will submit monthly

invoices to Client for services rendered and expenses incurred. If Client does not pay invoices within thirty (30) days of submission of invoice, CONSULTANT may, upon written notice to the Client, suspend further work until payments are brought current. The Client agrees to indemnify and hold CONSULTANT harmless from any claim or liability resulting from such suspension.

10. CHANGES OR DELAYS - Unless the accompanying Proposal provides otherwise, the proposed fees constitute CONSU-LTANT's estimate to perform the services required to complete the Project. Required services often are not fully definable in the initial planning; accordingly, developments may dictate a change in the scope of services to be performed. Where this occurs, changes in the Agreement shall be negotiated and an equitable adjustment shall be made.

Costs and schedule commitments shall be subject to renegotiation for unreasonable delays caused by the Client's failure to provide specified facilities, direction, or information, or if CONSULTANT's failure to perform is due to any act of God, labor trouble, fire, inclement weather, act of governmental authority, failure of transportation, accident, power failure, or interruption or any other cause beyond the reasonable control of CONSULTANT. Temporary work stoppage caused by any of the above may result in additional cost beyond that outlined in the accompanying Proposal.

- 11. LIABILITY To the fullest extent permitted by law, the total liability, in the aggregate, of CONSULTANT and CONSULTANT's officers, directors, employees, agents, and consultants to Client and anyone claiming by, through or under Client, for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to CONSULTANT's services, the Project or this Agreement, from any cause or causes whatsoever, including but not limited to, negligence, strict liability, breach of contract or breach of warranty shall not exceed the total compensation received by CONSULTANT under this Agreement.
- 12. **CONFLICTS OF INTEREST** This assignment may involve parties with adverse interests to clients with whom CONSULTANT has current or past relationships. It is CONSULTANT policy to make reasonable attempts to identify such relationships prior to acceptance of a professional assignment, but CONSULTANT cannot assure that conflicts or perceived conflicts will not arise, and CONSULTANT does not accept responsibility for such occurrences.
- 13. **REIMBURSABLE EXPENSES** CONSULTANT will bill direct non payroll expenses at cost plus 10%. Direct expenses include all reasonable expenses resulting from required responses to subpoenas or court orders related to work under the Contract.
- 14. **MISCELLANEOUS** Governing Law: The laws of the state in which the CONSULTANT office executing this Agreement is located shall govern the validity and interpretation of this Agreement.

Invalid Terms: In the event any of these Contract Provisions are found to be illegal or otherwise unenforceable, the unenforceable Contract Provision will be stricken. Striking such a Contract Provision shall have no effect on the enforceability of the remaining Contract Provisions and those remaining Contract Provisions shall continue in full force and effect as if the unenforceable Contract Provision were never included in the Agreement.

Mediation: The Client and CONSULTANT agree to submit all claims and disputes arising out of this Agreement to non-binding mediation prior to the initiation of legal proceedings. This provision shall survive completion or termination of this Agreement; however, neither party shall seek mediation of any claim or dispute arising out of this Agreement beyond the period of time that would bar the initiation of legal proceedings to litigate such claim or dispute under the applicable law.

CONSULTANT Reliance: CONSULTANT shall be entitled to rely, without liability, on the accuracy and completeness of any and all information provided by Client, Client's consultants and contractors, and information from public records, without the need for independent verification.

Certifications: CONSULTANT shall not be required to sign any documents, no matter by whom requested, that would result in CONSULTANT's having to certify, guaranty, or warrant the existence of conditions that CONSULTANT cannot ascertain.

Third Parties: Nothing contained In this Agreement shall create a contractual relationship with, or a cause of action in favor of, a third party against either the Client or CONSULTANT. CONSULTANT's services hereunder are being performed solely for the benefit of the Client, and no other entity shall have any claim against CONSULTANT because of this Agreement or CONSULTANT's performance of services hereunder.

Consequential Damages: Neither the Client nor the CONSULTANT shall be liable to the other or shall make any claim for any incidental, indirect or consequential damages arising out of, or connected in any way to the Project or this Agreement. This mutual waiver includes, but is not limited to, damages related to loss of use, loss of profits, loss of income, loss of reputation, unrealized savings or diminution of property value and shall apply to any cause of action including negligence, strict liability, breach of contract and breach of warranty.

EXISTING CONDITION & DEMO PLAN EXISTING CONDITION & DEMO PLAN PAVING & STRIPING LAYOUT PLAN PAVING & STRIPING LAYOUT PLAN

TYPICAL SECTION & DETAILS

GENERAL NOTES

Sheet List Table

ည

CIVIL CONSTRUCTION DOCUMENTS

COUNTY ROAD 12 WIDENING CITY OF FOLEY

COUNTY ROAD 12 FOLEY, ALABAMA

ISSNED FOR BID



CITY OF FOLEY
MAVOR RALPHELLINGS RATHORT TRANSICS
COUNCL PRESIDENT J. WANNE TRANSICS TO YERA COUNCTES, DISTRICT 2
RICHARD DAVITON, DISTRICT 3
C. RICK BLOCKWELL DISTRICT 3
CHARLES J. EBERT, III, DISTRICT 3

VICINITY MAP N.T.S.

CROSS SECTIOIN 13+00 TO 15+50 CROSS SECTION 16+00 TO 18+50 CROSS SECTION 19+00 TO 21+50 CROSS SECTION 22+00 TO 22+71 CROSS SECTION 10+38 to 12+50 ENTRANCE GRADING DETAIL **EROSION CONTROL PLAN**

ADMINISTRATIVE APPROVAL

DAVID DICHIARA, P.E.
AL PROFESSIONAL REGISTRATION NO. 35032 ENGINEER OF RECORD:

> CIVIL ENGINEER
> ENGHEERING PESION GROUP. LLC.
> 21106 LIS HGHWAY 98
> FOLEY, AL 38553
> (281) 9424 8960
> E. CONTACT: DAVID DICHARA, P.E. C. OWNER
> CITY OF FOLEY
> 200 A ALSTON STREET
> FOLEY, AAABAMA
> (25) \$702-104
> CONTACT: CHAD CHRISTIAN, P.E. C

SURVEYOR
ENGINEERING DESIGN GROUP. LLC
2110B LIS HOHWAY 88
FOLEY AJ 3633
(251) 942-8960
CONTACT. GRAIG JOHNSON, P.L.S.

GEOTECHNICAL ENGINEER
GEOCON ENGMENENS AMTERIALS TESTING, INC.
ZOSSE MOLALIFE DRIVE
ROBERSTOALE AL 36587
(281) 947-1035
CONTACT: DAMD E, MOKEE, P.E.

WHEN UTULIES ARE BISYLENDE PARALLEL TO ECHO OTHER THE COMPRENCYOS SHALL MANETAN THE SERVANDON FROM SANDON SERVER SHALL SEPARATION BETWEEN WATER SERVAE AND OTHER UTULIES. THE SERVANDON FROM SANDAY SERVER SHALL BE TO'OF HORIZONTAL SEPARATION BETWEEN WATER AND SANDTAN SERVER. PIPE SIZES 3" AND SWALLER SHALL BE TYPE "Y" COPPER OR OTHER MATERIAL SPECIFIED BY RIVIERA UTILITIES STANDARDS.

THE CONTRACTOR SHALL MEET WITH THE RIVIERA UTILITIES' INSPECTORS A MINIMUM OF 24 HOURS PRONT OLO COMBENIAND IN UTILITY WORK PRONT OCOMBENIAND EALL UTILITY INSPECTIONS WITH RAVIERA UTILITIES AS REQUIRED BY THEIR STANDARDS.

SPECIAL NOT CHIEFON-PER UNE RESIDENCE TO RESIDENCE TO RESIDENCE TESTING ACTIVATION CONTRIBUTION OF MALE AND CHIEFON CANNOT AND CHIEFON CHIEFON CHIEFON CHIEFON WITH CHIEFON CH

ISSUED FOR BID

THE OWNER WILL PROVIDE GEOTECHNICAL TESTING. THE CONTRACTOR SHALL FULLY COOPERATE WITH HE MATERIALS TESTING ENGINEERS RELATIVE TO SOIL COMPACTION, CUTTING AND FILLING OPERATIONS, FIG. ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION.

- CONTRACTOR SHALL CORDINATE THE INSTALLATION, ADJUSTMENT OR RELOCATION OF ALL DITLIFES WHITH THE APPOYDMENTE UTILITY COMPANIES AND THE WORSE, ALL LIMEGRACIAND UTILITIES WINTER, SANITARY SEMES STORM SEWER ELECTRICAL, COMBUIT, IRRIGATION SLEEVES, ETC.) SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL. ALL CONSTRUCTION SHOWN ON THESE PLANS SHALL BE FERFORMED IN ACCORDANCE WITH THE LANG FOR THE PROJECT AND STORT OF ALL CODES CONDEXES. RESTREPTIVES. AND ASSAMANDS OF ALL CONTENTION OF ALL CODES CONDEXINES. RESTREPTIVES AND ASSAMANDS OF ALL CONTENTION OF ALL SITE. CONTRACTION ALL WAY PERFORM COSTRUCTION ACTIVITIES BASED ON PLANS WHICH HAVE BEEN PROPERLY ISSUED FOR COSTRUCTION PURPOSES. ALL TRENCHES EXCAVATED UNDER PAVEMENT SHALL BE BACKFILLED WITH STONE.
 - CONTRACTOR IS TO COORDINATE WITH THE GEOTECHNICAL ENGINEER AND THEIR ON-SITE TESTING AGENT THROUGHOUT CONSTRUCTION TO ADDRESS EARTHWORK ISSUES AND FOR GEOTECHNICAL UNFOTIONS.
- THE CONTROTOR SAUL BESTORMER LEOP ADJUST THOSA WAN MAD LEUSTING TERMS TO THE MANNET OTHER PROPOSED FINISHED DISABLE (JAMESS OTHERWISE NOTED IN THE PLAY), THIS INCLUDIES BLIN YOTH LAIRTING TOTAME DISABAGE STRUCTURES, UTILITY BOXES, FIRE HYDRANTS SANITARY SEWER MANHALES, ECT.

CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS AND BENCHMARKS THE PROPERTY PINS OR BENCHMARKS ELMINATED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES. EROSION CONTROL DEVICES SHALL BE RODERLY MAINTAINED THROUGHOUT CONSTRUCTION WITH, DETRANKINT GROUND COVER IS ESTABLISHED.

JOB SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR.

STORM DRAINAGE NOTES:

- STORM PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP), CONFORMING TO ASTM
 CLASS BITCH, CLASS BITCHENNESS OTHERWINES FOTED IN THE CUPIL, LOWER SHALL BE TOWNOUTH AND SHOOT, MINCH MICH BE SEALED WITH
 SHALL BE TOWNOUT AND SHOOT OF BELL AND SHOOT, MINCH MICH BE SEALED WITH
 ANSITOD TO ASSETS CONFORMING TO ASTM 443 OFF FLEXIBLE GASKETS CONFORMING TO
 ANSITOD 1138.
 - BOX CULVERTS SHALL BE PRECAST PER ALDOT STANDARDS OR CAST IN PLACE IF APPROVED BY ENGINEER. JOINTS SHALL BE TONGUE AND GROOVE AND SEALED V RUBBER GASKETS.

THE LIMITS OF DISTURBANCE SHALL INCLUDE ALL AREAS DISTURBED BY GRADING OPERATIONS. THE CONTRACTORS INSERVACIONS LEAD FROTECTING ALL AREAS OUTSIDE THE LIMITS OF PRESURBANCE, ANY DAMAGE CAUSED BY CONSTRUCTION SHALL BE REPAIRED TO ITS ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE.

IN THE EVENT THAT A CONFLICT ARBES BETWEEN THE SITE CONSTRUCTION DRAWINGS AND F CONDITIONS. THE CONTRACTORS SHALL MOT PROCEED WITH THE ENGINEER AND SHALL MOT PROCEED WITH CONSTRUCTION OF ANY AREA WHERE A CONFLICT HAS BEEN DISCOVERED UN SUCH TIME AS THE CONFLICT HAS BEEN CLEARLY RESOLVED.

- ALL PIPE ENTERING STORM SEWER STRUCTURES SHALL BE GROUTED TO ASSURE THE CONNECTION AT THE STRUCTURE IS WATER TIGHT.
 - ALL STORM SEWER MANHOLES SHALL BE PRECAST AND MEET THE SPECIFICATION OF ASTM O'R.

SLOPE STRAIGTON WAS WAS ALLE REIEDS NE REFORM CONFIGURED AND ERGORIC CONFIGURED AND ERGOLIC PROFILE REFORM CONFIGURED AND ERGOLIC PROFILE ERGOLIC PROFILE AND ERGOLIC PROFILE ERGOLIC PROFILE

THE CONTRACTOR SHALL KEEP A LOG OF QUANTITY OF ALL SEDIMENT MATERIALS THAT ARE REMOVED FROM THE PROJECT EROSION AND SEDIMENT CONTROL DEVICES.

WATER NOTES:

THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LAND DISTURBANCE PERMITS FOR THIS MEACET AND PROVIDE REQUIRED MONITORING AND TESTING. CONTRACTOR SHALL COOPENITE PLULY WITH HE MONITORING AND TESTING AGENCY TO NISURE ALL REQUIREMENTS OF THE MODES PERMIT ARE MET.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY PROTECTIVE DENICES.
THAT CONTRACTOR OF THE BEBLAND FOR PALL SHEET SHEETS SHEED SHEED SHEET SHE SHEET SHE

- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE PAVEMENT AND SHALL HAVE TRAFFIC BEARING LIDS.
- ALL STORM DRAINAGE PIPE AND STRUCTURES SHALL BE CLEANED OF SILT, TRASH AND DEBRIS PRIOR TO DEMOBILIZATION FROM SITE.

ALL CONSTRUCTION TO MEET OBHA SAFETY GUIDELINES. SAID SAFETY PROCEDURES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE SMOOTH TRANSITION BETWEEN ALL NEW MOSTRICTURA MALL EXSTRUCCOROUTIONS. ALL TRANSITION GRADES, CONSTRUCTION MATERIALS, AND FINISHES SECFECIFICALLY ACCESS CONNECTIONS TO EXISTING DRIVES, ARE SUBJECT TO APPROVAL BY THE OWNER AND ENGINEER.

DO NOT SCALE CRITICAL DIMENSIONS FROM THIS DRAWING, CONTACT ENGINEER FOR SPECIFIC CLARIFICATIONS NEEDED. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROPER TRAFFIC CONTROL FOR PUBLI SEPTIM IACCORDANCE WITH THE MANUAL ON UNFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

ALL STORM SEWER MANHOLE LIDS SHALL BE LABELED "STORM SEWER"

- CONTRACTOR IS TO BEGIN STORM DRAINAGE CONSTRUCTION FROM THE MOST DOWN STREAM POINT OF THE SYSTEM.
- ALL HEADWALLS SHALL BE PER ALDOT STANDARD HIGHWAY DWGS. OR PRECAST BY HANSON OR APPROVED ALTERNATE.
 - - 10. INLETS ON 42" OR LARGER PIPE SHALL HAVE CONCRETE RISERS.
- STORM SEWER CROSSINGS UNDER STREETS TO BE SOLID STONE BACKFILL WITH WEEP HOLES TO INLETS.
- 13. ALL STORM MANHOLES IN GRASSED AREAS SHALL BE FLUSH WITH FINISHED GRADE ALL STORM PIPE INSTALLED WITH LESS THAN 3 FT. OF COVER SHALL BE BACK FILLED WITH STONE.
 - ALL DRAINAGE STRUCTURES MAY BE PRE-CAST, OR APPROVED ALTERNATE, IF APPROVED BY ENGINEER.

TOPOGRAPHIC SURVEY PROVIDED BY ENGINEERING DESIGN GROUP, LLC. TOPOGRAPHIC MITHORNATION OBTAINED VIA GROUND RAN SURVEY. IF THE CONTRACTORS IN OSTATISHED WITH THE PROVIDED TOPOGRAPHY. HE THEN SHALL IMMEDIATEY NOTIFY THE ENGINEER.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS, AND SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES.

SITE NOTES:

PIPE LENGTHS AND SLOPES ARE APPROXIMATE. PIPE LENGTH ARE HORIZON PROJECTIONS AND ARE MEASURED FROM THE CENTER OF THE STRUCTURE. SEDIMENT AND EROSION CONTROL NOTES:

- THE SITE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION SEDEMENT CONTROLL BEVECKS ON SITE DUNING CONSTRUCTION AS REQUIRED TO PREVENT SLIT FROM LEAVING FOR THE SITE. SILT WILL NOT BE ALLOWED BEYONG CONSTRUCTION LIMITS.
 - THE CONTRACTOR SHALL PREVENT THE ESCAPE OF SEDMENT FROM THE SITE BY INSTALLING EFFOSION CONTROL MESURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND DISTURBANA ACTIVITIES.
- EROSION CONTROL MEASURES SHALL BE MAINTANED AT ALL TIMES. IF FULL INFLEMENTATION OF THE APPROVED PLANS TO NOT PROMUE PUBLICHER REGOLAN AND SEDIMENT CONTROL. DEDOTTONAL, CONTROL MEASURES SHALL BE IMPLEMENTED. CONTROLOR BE RESPONSIBLE FOR REPARANC OR REPLACING EROSION CONTROL DEVICES WHICH BECOME NEFFECTIVE.
 - ALL EROSION CONTROL MEASURES SHALL WEET THE GUIDELINES SET FORTH IN THE CITY AND LOCAL EROSION CONTROL GUIDELINES AS A MINIMUM.

A PROJECT SECROIS CERTIFICATION, ASSOCIATION SERVICE AND ENTRY AND EN AUMAGE FOR THE CONTRICTOR SHALL POLLOW THE ECCOMBLIGATION OF THE CONTRICTOR SHALL POLLOW THE ECCOMBLED BY CONTRICTOR SHALL POLLOW THE ECCOMBLED BY CONCRIDENT OF THE CONTRICTOR SHALL POLLOW THE SHALL POLLOW THE SHALL POLLOW THE SHALL POLLOW THE SHALL RESIDENT OF THE SHALL SHALL RESIDENT SHALL RESIDENT SHALL RESIDENT SHALL SHALL RESIDENT SHALL SHALL

ALL CONCRETE SHALL HAVE A MINIMUM OF 3,000 PSI @ 28 DAY COMPRESSIVE STRENGTH UNLESS STATED OTHERWISE, REFERENCE PLAN AND DETAILS

SRADING NOTES

ANY UNANTICIPATED CONDITIONS ENCOUNTERED DURING THE CONSTRUCTION PROCESS SHALL BE IDENTIFIED TO THE OWNERSENGINEER IMMEDIATELY.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF DAMAGE TO ANY EXISTING IMPROVEMENT, ONSITE OR OFFSITE, SUCH AS POWEMENT, UITILIES, STORM AND TO THE REPAIR MASS IER APPROVED BY THE INDIRNERE RAVID BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.

ALL DIMENSIONS AND RADII ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR ALL GRADING AND OTHER L. DISTURBING ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY BUILDUP OF SEDIMENT WHICH ESCAPES FROM THE SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR REMONING SILT FROM THE SITE (IF NOT REUSABLE ON SITE) AND FOR CONSECTION HOUSDAY DERICAL ALICHMENT OF SLOPES & DITCHES, IF NECESSAY AT THE COMPLETION OF CONSTRUCTION.

GRADES SHOWN ARE FINISHED PAVEMENT & TOP OF SOIL GRADE ELEVATIONS, REFERENCE SECTIONS & DETAILS.

THE CONTRACTOR SHALL CALL APPROPRIATE UTILITY EXCAVATION IN AREAS WHERE UTILITIES MAY EXIST.

CLEARING AND GRUBBING LIMTS SHALL INCLUDE ALL AREAS DISTURBED BY GRADING GREATIONS. ANY CLEARING REQUIRED FOR THIS CONSTRUCTION SHALL BE INCIDENTAL TO THE OVERALL SITE WORK.

- CONTRACTOR IS RESPONSIBLE FOR CLEANING SILT AND DEBRIS OUT OF ALL STORM DRAINAGE STRUCTURES UPON THE COMPLETION OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION CONTROL MIRASURES AFTER CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- A COPY OF THE NPDES PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANC! ACTIVITY IS IN PROGRESS.
- FALURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES MAY RESULT IN COORSTRUCTION BLACKS DEFE TO REGULATORY INTERVENTIONAND SHALL NOT CONSTITUTE A EXTRISION OF CONSTITUTE A PRIOR TO COMMENCIACI JAND DISTURBANCE ACTIVITY. THE LIMITS OF DISTURBANCE SHALL BE CLEARLY AND COLOURS FREY PROPERTY. THE CLEARLY AND COLOURS FREY PROPERTY REPORTS TO WAND OF STREAM FROM THE PROPERTY SHALL BE DESENVED FOR DISTURBANCE ACTIVITY SHALL DESENVED FROM DISTURBANCE ACTIVITY SHALL DESENVED FROM THE DARRANCE TOWN FROM THE SHALL DESENVED FROM THE DARRANCE SHALL COCKN ON SINCE FRE APPROVED JANTS RIGHT SHALL SHALL SOCK ON SINCE FRE APPROVED JANTS RIGHT SHALL SHALL SOCK ON SINCE FRE APPROVED JANTS RIGHT SHALL SHAL

NO SLOPES SHALL BE STEEPER THAN 2-HORIZONTAL TO 1-VERTICAL, UNLESS OTHERWISE NOTED ON THE PLAN OR APPROVED BY THE ENGINEER.

THE STRUCTURAL FILL AT THE SITE TO BE COMPOSED OF SOIL AS SPECIFIED BY THE PROCEDENINGLE MONNERER. ALL SIGN MATERIAL SHALL BE PLACED ACCORDING TO THE GEOTECHINGLE BIONINEERS SPECIFICATIONS. ALL MATERIAL TO BE UTILIZED FOR FILL ! APPROVED BY THE GEOTECHINGLE BIOSINEER.

THE CONTRACTOR SHALL ASSUME THAT EXCESS MATERIAL SHOULD BE REMOVED FROM AND LEGALLY DISPOSED OF OFF THE PROJECT SITE AT THE CONTRACTORS EXPENSE: WASTING SECSS MATERIAL ON SITE SHALL ONLY BE ALLOWED IF APPROVED BY THE ENGINEER AND OWNER.

- ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL CONFORM TO THE LATEST EROSION AND SEDIMENTATION CONTROL GUIDANCE, PUBLISHED BY ADEM.
- SOME ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED BY THE PROJECT ENGINEE ANDIOR THE LOCAL INSPECTOR. EROSION CONTROL MEASURES TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES. MEASURES SHALL BE INSTALLED ON CONTOUR TO THE EXTENT THAT IS PRACTICAL.

WHEN LAGGROUPS COMETTE CONTRACTION TO PROVIDE THE PROVIDED THE CONTRACTS A TRANT INJURIENT THE CONTRACTS A TRANT INJURIENT THE CONTRACT TO SET STATEMENT THE SET STATEME

- SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING THE PROPERTY LIMITS.
- GENERAL, ATTEN THE PER LANG BELLALD AND ADDICATED AS SEPCRED AND REPORT AND SERVICE THAN SERVICE OTHER THAN UND CLEANOR CHAIR THE REQUESTOR TO INSELL, IT EXPERIENTE EN ENDIVERS ANY OWNER, OR WANTOWNER, OR RECEIVED WAS EDUBLIST CONFROL MEASURES, ON-SITE STITES, ON-SITES, ON-SITES,
- PRESSURIZATION EACH SECTION OF PIPE SHALL BE SLOWLY FITTED WITH WATER AND THE SPECIFIED TEST PRESSURE, MEASURED AT THE LOWEST POUNT OF ELEVATION, SHALL BE APPLIED BY MEANS OF A PURP CONNECTED TO THE PIPE IN SAXTSEACTORY MANNER.

CONTRACTOR TO PROVIDE TEMPORARY GROUND COVER FOR ALL AREAS WITH EXPOSED SOIL WHICH WILL NOT BE DISTURBED BY GRADING OPERATIONS FOR A PERIOD OF 13 DAYS OR MORE

ALLOWING usedsigns such that crickers, however, to response a presence of the crickers of the

- RECORDON PRESSURE CARE A PROCEST V LANDEST DO HAT ECODOMO RESSURE COLOR SHALL EL INSED DURNO THE PRESSURE TEST CHARTS SHALL ET INPRED ONES TO THE UTILIES BOARD.

 ELEMINITOR, ANY EXPOSES PHE TITTINGS VALUES FINDWARTS AND JOHN'S SHALL BE EXAMINED CHERLLY DURNO THE TEST WAY MANGEN FESTIVE PHE, THAT ARE DESCRIBED ALL OWN'S THE RESSURE TEST SHALL BE REPRACED WITH SOUND MATERIAL AND THE TEST SHALL BE REPEATED UNTIL IT IS SATISFACTORY TO THE UTILITIES BOARD.
- THE ALLOWABLE LEAKAGE LIMITS AS SPECIFIED WILL APPLY FOR BOTH DUCTILE IRON AND PVC PIPE.

SITE CONTRACTOR SHALL COORDINATE TABS WITH RIVIERA UTILITIES. THE CONTRACTOR SHALL COONSIGNATE WITH THE WATER COONSIGNATE WITH THE WATER CONSIGNATION CONTRACTOR SHALL PROVIDE AND INSTALL DOWESTIC SERVICE PER LOCAL WATER WORKS AUTHORITY STANDARD.

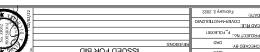
ALL DOMESTIC AND IRRIGATION SERVICE LINES SHALL BE PER RIVIERA UTILITIES.

DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING. ENCE GENERAL NOTES (THIS SHEET) AND DRAWINGS.

MINIMUM COVER FOR ALL WATER MAINS SHALL BE 3' MINIMUM OR AS REQUIRED BY LOCAL THE ALTHORITY.

WATER MAIN INSTALLATION SHALL BE TESTED IN ACCORDANCE WITH RIVIERA UTILITIES REQUIREMENTS.

CITY OF FOLEY FOLEY



RIVIERA UTILITIES - WATER MAIN HYDROSTATIC TESTING

TEST PRESSURE - FOR ALL MANN, THE TREST PRESSURE SHALL BE AT LEAST 150 PSI AT THE LOW POINT OF THE TREST SECTION AND SHALL NOT BEESS THAN 28 MAY THE HIGHEST POINT ALLOW THE TEST SECTION AND SHALL NOT EXEST PRANT PRESSURE PRESSURES, THE PRESSURE SHALL NOT VARY BY MORE THAN -3 PSI THROUGHOUT DURATION OF THE TEST.

AIR REMOVAL. BEFORE APPLYING THE SPECIFED TEST PRESSURE, AIR SHALL BE EXPELLED COMPLETELY FROM THE PIPE, VALVES, AND HYDRANTS.

F FERMANGER, RAFERSTAR SERVICORED AN LIGHORNIC SOCIOUS SHALLS REPORTED AT SICH-PORTING SOLID HITTER GENERAL SERVICES OF THE THE GENERAL SERVICES OF THE THE GENERAL SERVICES OF THE THE GENERAL SERVICES OF THE SERVICES OF TH

LEAVAGE TESTING - SUITABLE MEANS SHALL BE PROVIDED FOR DETERMINING THE QUANTITY OF MATTER OF ACCEPTED UNTLY OF WITHOUT DETERMINED FRESSINEE. NO PPER INSTALLATION WILL BE ACCEPTED UNTL. OF UNLESS THIS LEAVAGE (ENALIDATED ON A PRESSUIRE BASIS OF 18) PSI) IS LESS THAN ALLOWED IN THE FOLLOWING FORBULA.

WHERE:
L - ALLOWAGE LEAKAGE IN GALLONS PER HOUR
L - ALLOWAGE LEAKAGE IN FEIT
S = LENDTH OF PIPE TESTED IN FEIT
S = LENDTH OF PIPE TESTED IN FEIT
D = NORMAL DIAMETER OF THE PIPE, IN INCHES

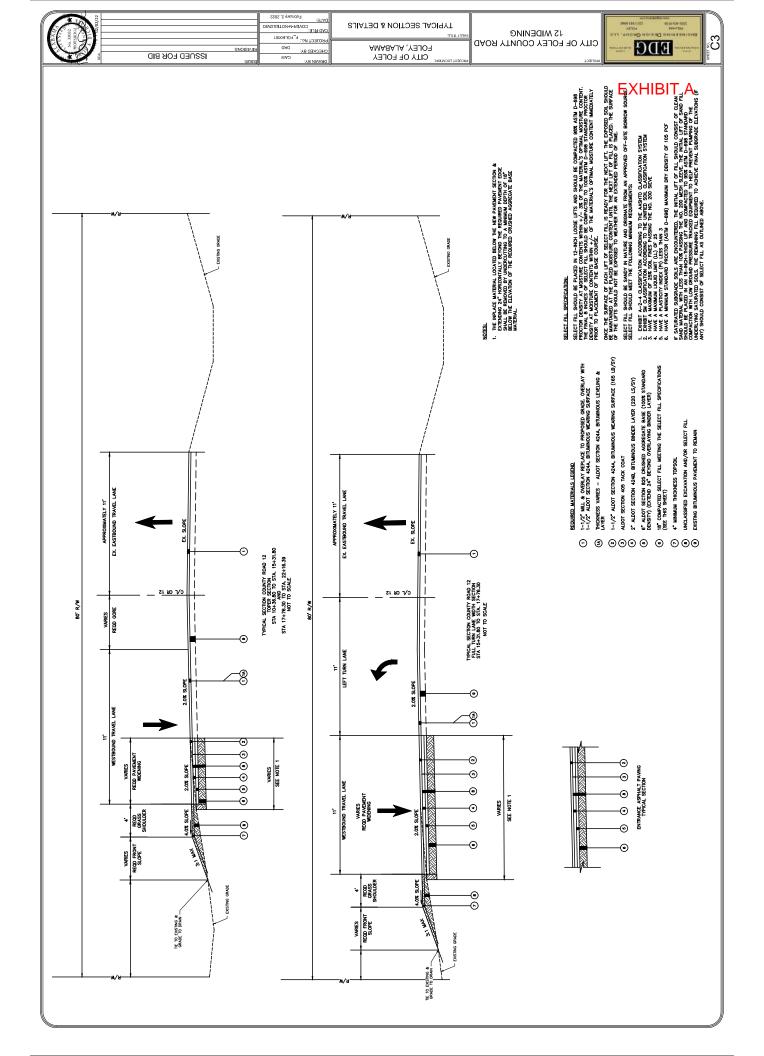
LEAVAGE DETRETO: LEAVAGE TES BETHENDS AT THE COUNTRY TO WAITERY DE SEUPRED NITO THE WAITER VELA DIPPE COR ANY VALUED SECTION OF IT, RECESSARY TO MANTAN PRESSURE WITHIN 9 FOR THE SPECIPIED, LEAVAGE TEST PRESSURE AFTER THE PIPE HAS BEEN FILLED WITH WAITER AND AND FAPEMLED.

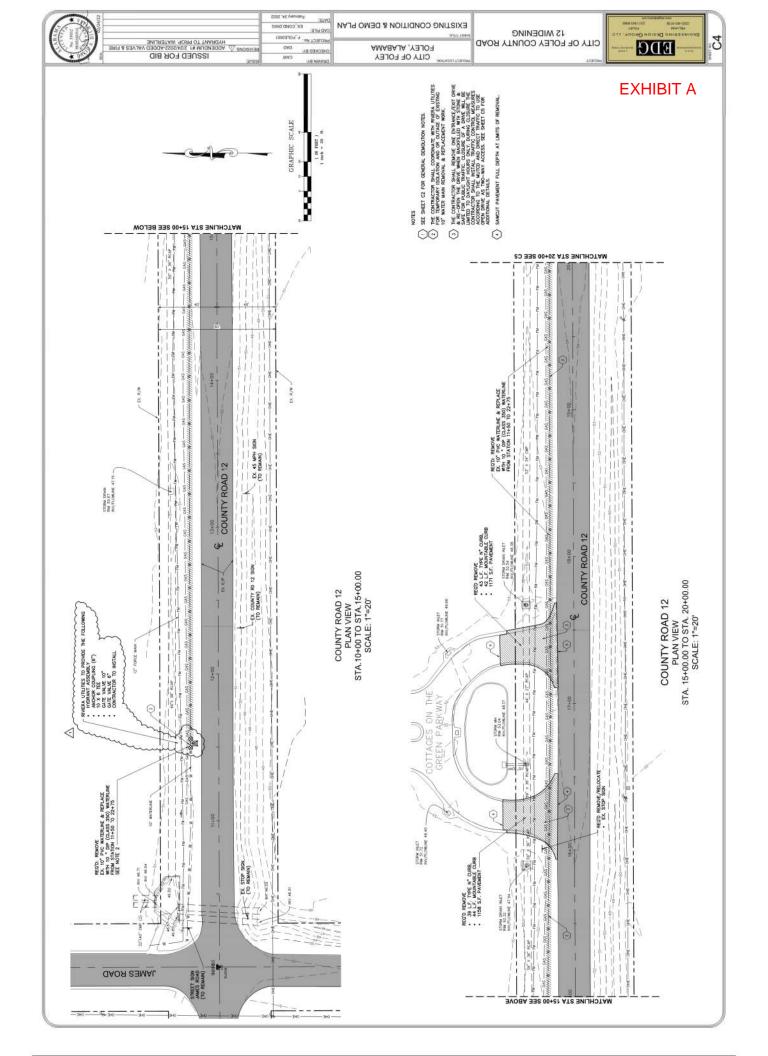
ACCEPTANCE OF INSTALLATION - NO PIDE INSTALLATION WILL BE ACCEPTED UNLESS LEAKAGE IS WITHN THE LIMITS SPECIFIED HEREIN. JF ANY TEST OF PIPE LIAD DISCLOSES LEAKAGE GREATER THAN ALT SPECIFIED, LOCATIE AND MAKE REPARS AS INCESSARY UNIT. THE LEAKAGE IS MITHN THE SPECIFIED ALLOWING.

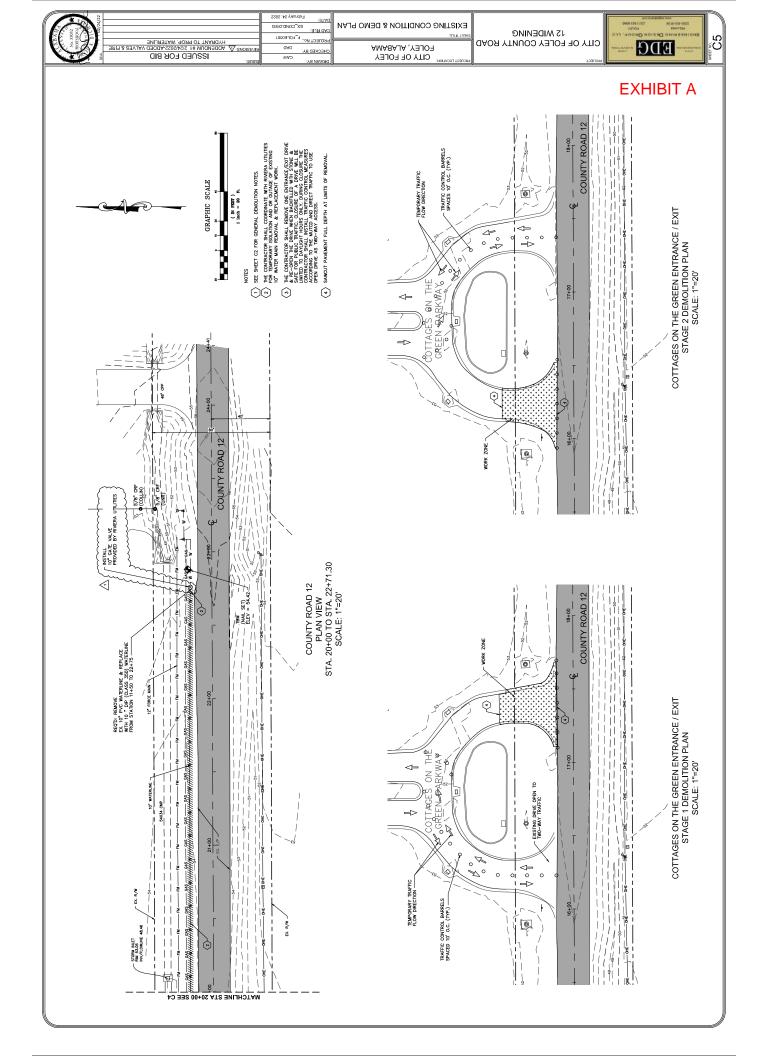
VISIBLE LEAKS - ALL VISIBLE LEAKS SHALL BE REPAIRED, REGARDLESS OF THE AMOUNT OF LEAKAGE

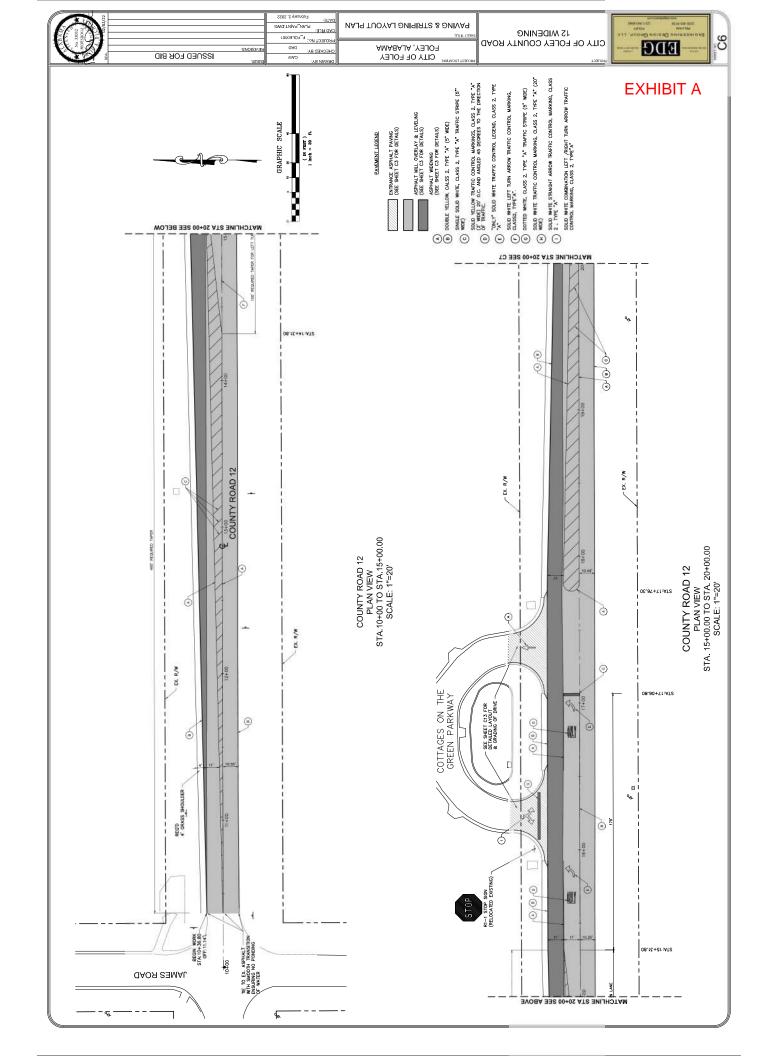
EXHIBIT A

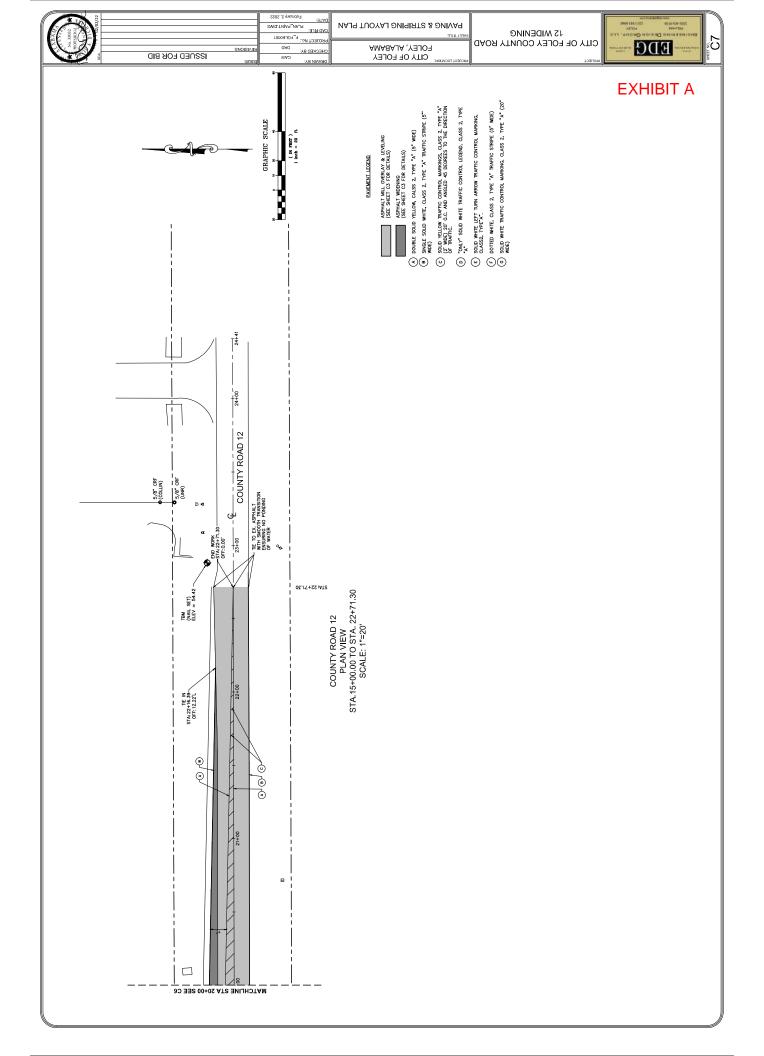
EDC

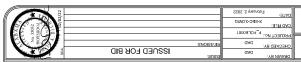










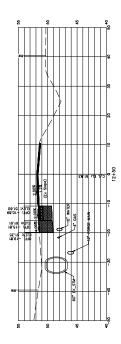


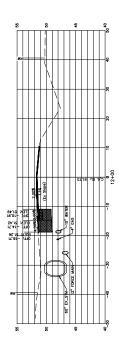
10+38 to 15+20 CKOSS SECTION

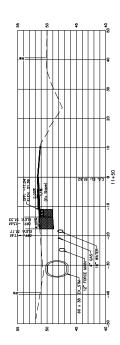
LOFEY, ALABAMA CITY OF FOLEY

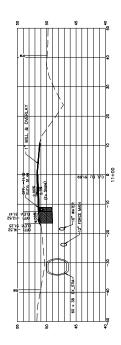
CITY OF FOLEY COUNTY ROAD

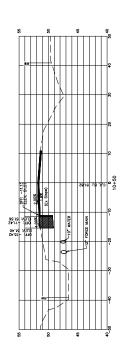




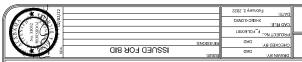










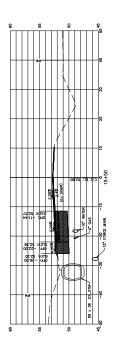


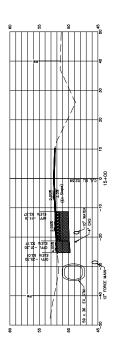
CROSS SECTIOIN

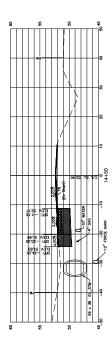
FOLEY, ALABAMA

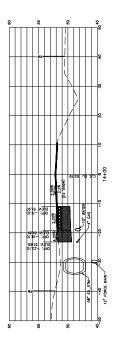
CITY OF FOLEY COUNTY ROAD

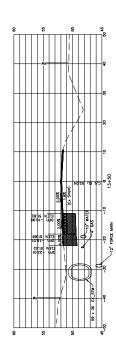


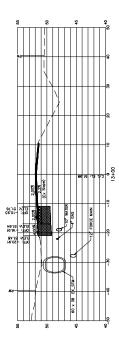


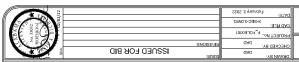










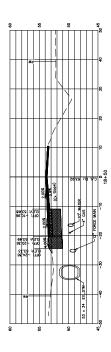


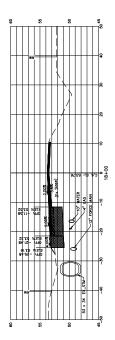
10+00 TO 18+50 CROSS SECTION

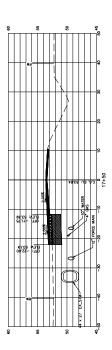
FOLEY, ALABAMA

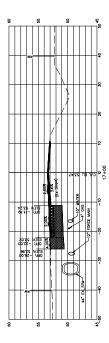
CITY OF FOLEY COUNTY ROAD

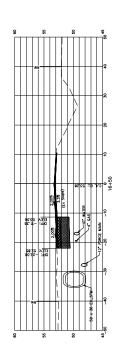


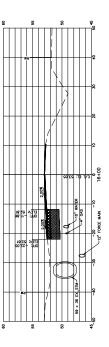


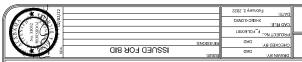










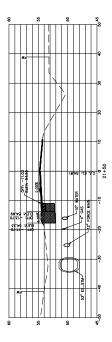


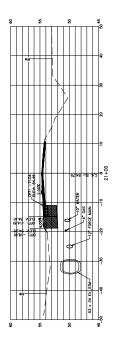
18+00 TO 21+50 CROSS SECTION

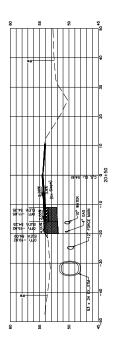
PROJECT LOCATION: CITY OF FOLEY
FOLEY, ALABAMA

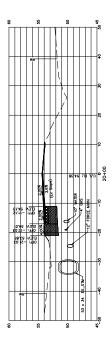
CITY OF FOLEY COUNTY ROAD

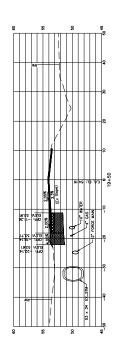


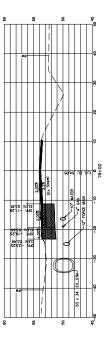


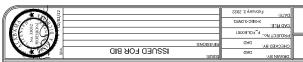










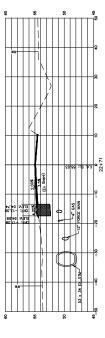


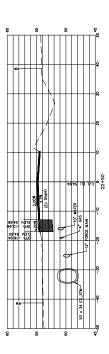
SS+00 TO SS+71 CROSS SECTION

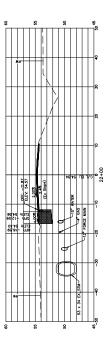
EOFEA' PERBAND CITY OF FOLEY

CITY OF FOLEY COUNTY ROAD











ENTRANCE GRADING DETAIL

CITY OF FOLEY FOLEY, ALABAMA

CITY OF FOLEY COUNTY ROAD



