ST. TAMMANY PARISH

MICHAEL B. COOPER
PARISH PRESIDENT

NOTICE TO BIDDERS

ST. TAMMANY PARISH

Sealed bids will be received by the Department of Procurement until **2:00 p.m., Thursday, May 14, 2026,** and then opened and read publicly at that time by the Procurement Staff for the following project:

Bid # 26-23-2 - Casril Drive Drainage Improvements

This bid package is available online at www.bidexpress.com or LaPAC https://wwwcfprd.doa.louisiana.gov/osp/lapac/dspBid.cfm?search=department&term=185. It is the Vendor's responsibility to check Bid Express, or LaPAC frequently for any possible addenda that may be issued. The Parish is not responsible for a Vendor's failure to download any addenda documents required to complete a submission.

The project classification is:

Highways, Roads, and Bridge Construction

Paper Bids must be sealed. In addition, the outside of the envelope, box, or package containing the Bid shall be marked with the following information. Name and Address of the Bidder, the State Contractor's License Number of the Bidder (if the work is estimated at $50k or more), the Bid Name, and the Bid Number. Bids submitted without this information may be deemed non-responsive.

Bids will be received at 21454 Koop Dr., Suite 2F, Mandeville, LA 70471 from each bidder or his agent and given a written receipt, by certified mail with return receipt requested, or electronically at www.bidexpress.com.

The Procurement Department can be contacted by telephone at (985) 898-2520 or via e-mail at Procurement@stpgov.org. St. Tammany Parish Government reserves the right to reject any or all quotes and to waive informalities.

BID PROPOSAL

ST. TAMMANY PARISH
GOVERNMENT

BID PACKAGE FOR

CASRIL DR DRAINAGE IMPROVEMENTS

EN24000002

BID NO.: 26-23-2

March 31, 2026

Section 01

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Section 02

Instructions to Bidders

Bidders are urged to promptly review the requirements of this specification and submit questions for resolution as early as possible during the bid period. Questions or concerns must be submitted in writing to the Procurement Department no later than 2:00 CST seven (7) working days prior to the bid opening date. Otherwise, this will be construed as acceptance by the bidders that the intent of the specifications is clear and that competitive bids may be obtained as specified herein. Protests with regard to the specification documents will not be considered after bids are opened.

1. Bid security is required. Be sure that your bid includes such security as is necessary to meet Parish requirements and is properly signed. The bid must be fully completed. All applicable Louisiana license numbers must be affixed.

2. The Owner is the St. Tammany Parish Government (the "Parish").

3. The terms "he/his" and "it/its" may be used interchangeably.

4. The terms "Owner," the "Parish," and "St. Tammany Parish" may be used interchangeably.

5. The successful Bidder understands the limited contract time in the contract is **one hundred and fifty (150) calendar days** , and shall submit any request for an extension of time in accordance with the General and Supplementary Conditions. Said request will reflect the days requested and the reason for same. No extension request is guaranteed or absolute.

6. Bidder specifically understands that acknowledgment of the General Conditions is required. Bidder specifically understands that signature of receipt of the General Conditions is mandated. **The Bidder's signature on the "Louisiana Uniform Public Work Bid Form" will serve as acknowledgment of the Bidder's receipt and understanding of the General Conditions as well as any Supplementary Conditions.**

7. ***If any additional work*** **is performed by the contractor without *written approval* by owner, the cost of the work will be borne by the contractor and will not be reimbursed by the Parish.**

8. **Only** the Louisiana Uniform Public Bid Form, the Unit Price Form (if necessary), the bid security, and written evidence of authority of person signing the bid shall be submitted on or before the bid opening time and date provided for in the Bid Documents. Necessary copies of the Louisiana Uniform Public Work Forms and Unit Price Forms (if necessary) will be furnished for Bidding. Bound sets of the Contract Documents are for Bidder's information and should not be used in submitting Bids.

9. All other documents and information required are to be submitted by the low Bidder within ten (10) days after the opening of the bids, and at the same time of day and location as given for the opening of the bids in the Bid Documents.

10. Each Bid must be submitted in a sealed envelope, unless submitted electronically. The outside of the envelope shall show the name and address of the Bidder, the State Contractor's License Number of the Bidder (if work requires contractor's license), and the Project name and the Bid number. In the case of an electronic bid proposal, a contractor may submit an authentic digital signature on the electronic bid proposal accompanied by the contractor's license number, Project name and the Bid number.

11. The price quoted for the Work shall be stated in words and figures on the Bid Form, and in figures only on the Unit Price Form. The price in the Bid shall include all costs necessary for the complete performance of the Work in full conformity with the conditions of the Contract Documents, and shall include all applicable Federal, State, Parish, Municipal or other taxes and is the responsibility of the contractor to obtain tax exemption if applicable. The price bid for the items listed on the Unit Price Form will include the cost of all related items not listed, but which are normally required to do the type of Work bid.

12. The Bid shall be signed by the Bidder. The information required on the Louisiana Uniform Public Work Bid Form must be provided. Evidence of agency, corporate, or partnership authority is required and shall be provided in conformance with LSA-R.S. 38:2212(B).

13. Only a Contractor licensed by the State to do the type of Work as indicated on the Notice to Bidders can submit a Bid. The Bidder's signature on the Bid Form certifies that he holds an active license under the provisions of Chapter 24 of Louisiana Revised Statutes Title 37. Failure to be properly licensed constitutes authority for the Owner to reject the Bid.

14. Bidders shall not attach any conditions or provisions to the Bid. Any conditions or provisions so attached may, at the sole option of the Owner, cause rejection of the Bid.

15. A Bid Guarantee of five percent (5%) of the amount of the total Bid, including Alternates, must accompany the Proposal and, at the option of the Bidder, may be a cashier's check, certified check or a satisfactory Bid Bond. The Bid Guarantee must be attached to the Louisiana Uniform Public Work Bid Form. No Bid will be considered unless it is so guaranteed. Cashier's check or certified check must be made payable to the order of the Owner. Cash deposits will not be accepted. The Owner reserves the right to cash or deposit the cashier's check or certified check. Such guarantees shall be made payable to the Parish of St. Tammany. In accordance with LSA-R.S. 38:2218(C), if a bid bond is used, it shall be written by a surety or insurance company currently on the U.S. Department of the Treasury Financial Management Service list of approved bonding companies which is published annually in the Federal Register, or by a Louisiana domiciled insurance company with at least an A- rating in the latest printing of the A.M. Best's Key Rating Guide to write individual bonds up to ten percent of policyholders' surplus as shown in the A.M. Best's Key Rating Guide or by an insurance company in good standing licensed to write bid bonds which is either domiciled in Louisiana or owned by Louisiana residents. It is **not** required to be on any AIA form.

16. Bid securities of the three (3) lowest Bidders will be retained by the Owner until the Contract is executed or until final disposition is made of the Bids submitted. Bid securities of all other Bidders will be returned promptly after the canvas of Bids. Bids shall remain binding for forty-five (45) days after the date set for Bid Opening. The Parish shall act within the forty-five (45) days to award the contract to the lowest responsible bidder or reject all bids. However, the Parish and the lowest responsible bidder, by mutual written consent, may agree to extend the deadline for award by one or more extensions of thirty (30) calendar days. In the event the Owner issued the Letter of Award during this period, or any extension thereof, the Bid accepted shall continue to remain binding until the execution of the Contract.

17. A Proposal may be withdrawn at any time prior to the scheduled closing time for receipt of Bids, provided the request is in writing, executed by the Bidder or its duly authorized representative and is filed with the Owner prior to that time. When such a request is received, the Proposal will be returned to the Bidder unopened. A bid withdrawn under the provisions of LSA-R.S. 38:2214(C) cannot be resubmitted.

18. Written communications, over the signature of the Bidder, to modify Proposals will be accepted and the Proposal corrected in accordance therewith if received by the Owner prior to the scheduled closing time for receipt of Bids. Oral, telephonic or telegraphic Modifications will not be considered.

19. No oral interpretation obligating the Owner will be made to any Bidder as to the meaning of the Drawings, Specifications and Contract Documents. Every request for such an interpretation shall be made in writing and addressed and forwarded to the Owner. Inquiries received within seven (7) days prior to the day fixed for opening of the Bids may not be given consideration. Every interpretation made to the Bidder shall be in the form of an addendum to the Specifications. All such Addenda shall become part of the Contract Documents. Failure of the Owner to send or failure of Bidder to receive any such interpretation shall not relieve any Bidder from any obligation under this Bid as submitted without Modification. All Addenda shall be issued in accordance with the Public Bid Law, LSA-R.S. 38:2212(O).

20. The Owner reserves the right to reject any or all Bids for just cause in accordance with the Public Bid Law, LSA-R.S. 38:2214(B). Incomplete, informal, illegible, or unbalanced Bids may be rejected. Reasonable grounds for belief that any one Bidder is concerned directly or indirectly with more than one Bid will cause rejection of all Bids wherein such Bidder

is concerned. If required, a Bidder shall furnish satisfactory evidence of its competence and ability to perform the Work stipulated in its Proposal. Incompetence will constitute cause for rejection. If the Parish determines that the bidder is not responsive or responsible for any reason whatsoever, the bid may be rejected in accordance with State law.

21. Contractor shall be liable without limitation to the Parish for any and all injury, death, damage, loss, destruction, damages, costs, fines, penalties, judgments, forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities of every name and description, which may occur or in any way arise out of any act or omission of Contractor, its owners, agents, employees, partners or subcontractors.

22. Upon notice of any claim, demand, suit, or cause of action against the Parish, alleged to arise out of or be related to this Contract, Contractor shall investigate, handle, respond to, provide defense for, and defend at its sole expense, even if the claim, demand, suit, or cause of action is groundless, false, or fraudulent. The Parish may, but is not required to, consult with or assist the Contractor, but this assistance shall not affect the Contractor's obligations, duties, and responsibilities under this section. Contractor shall obtain the Parish's written consent before entering into any settlement or dismissal.

23. It is understood and agreed that neither party can foresee the exigencies beyond the control of each party which arise by reason of an Act of God or force majeure; therefore, neither party shall be liable for any delay or failure in performance beyond its control resulting from an Act of God or force majeure. The Parish shall determine whether a delay or failure results from an Act of God or force majeure based on its review of all facts and circumstances. The parties shall use reasonable efforts, including but not limited to, use of continuation of operations plans (COOP), business continuity plans, and disaster recovery plans, to eliminate or minimize the effect of such events upon the performance of their respective duties under this Contract.

24. Contractor shall fully indemnify and hold harmless the Parish, without limitation, for any and all injury, death, damage, loss, destruction, damages, costs, fines, penalties, judgments, forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities of every name and description, which may occur or in any way arise out of any act or omission of Contractor, its owners, agents, employees, partners or subcontractors. The Contractor shall not indemnify for the portion of any loss or damage arising from the Parish's act or failure to act.

25. Contractor shall fully indemnify and hold harmless the Parish, without limitation, from and against damages, costs, fines, penalties, judgments, forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities in any action for infringement of any intellectual property right, including but not limited to, trademark, trade-secret, copyright, and patent rights.

    When a dispute or claim arises relative to a real or anticipated infringement, the Contractor, at its sole expense, shall submit information and documentation, including formal patent attorney opinions, as required by the Parish.

    If the use of the product, material, service, or any component thereof is enjoined for any reason or if the Contractor believes that it may be enjoined, Contractor, while ensuring appropriate migration and implementation, data integrity, and minimal delays of performance, shall at its sole expense and in the following order of precedence: (i) obtain for the Parish the right to continue using such product, material, service, or component thereof; (ii) modify the product, material, service, or component thereof so that it becomes a non-infringing product, material, or service of at least equal quality and performance; (iii) replace the product, material, service, or component thereof so that it becomes a non-infringing product, material, or service of at least equal quality and performance; or, (iv) provide the Parish monetary compensation for all payments made under the Contract related to the infringing product, material, service, or component, plus for all costs incurred to procure and implement a non-infringing product, material, or service of at least equal quality and performance. Until this obligation has been satisfied, the Contractor remains in default.

    The Contractor shall not be obligated to indemnify that portion of a claim or dispute based upon the Parish's unauthorized: i) modification or alteration of the product, material or service; ii) use of the product, material or service in combination with other products not

furnished by Contractor; or, iii) use of the product, material or service in other than the specified operating conditions and environment.

26. Bidders shall familiarize themselves with and shall comply with all applicable Federal and State Laws, municipal ordinances and the rules and regulations of all authorities having jurisdiction over construction of the Project, which may directly or indirectly affect the Work or its prosecution. These laws and/or ordinances will be deemed to be included in the Contract, as though herein written in full.

27. Each Bidder shall visit the site of the proposed Work and fully acquaint itself with all surface and subsurface conditions as they may exist so that it may fully understand this Contract. Bidder shall also thoroughly examine and be familiar with drawings, Specifications and Contract Documents. The failure or omission of any Bidder to receive or examine any form, instrument, Drawing or document or to visit the site and acquaint itself with existing conditions shall in no way relieve any Bidder from any obligation with respect to its Bid and the responsibility in the premises.

28. The standard contract form enclosed with the Proposal documents is a prototype. It is enclosed with the Contract Documents for the guidance of the Owner and the Contractor. It has important legal consequences in all respects and consultation with an attorney is encouraged. Contractor shall be presumed to have consulted with its own independent legal counsel.

29. When one set of Contract plans show the Work to be performed by two or more prime Contractors, it is the responsibility of each Bidder to become knowledgeable of the Work to be performed by the other where the Work upon which this bid is submitted is shown to come into close proximity or in conflict with the Work of the other. In avoiding conflicts, pressure pipe lines must be installed to avoid conflict with gravity pipe lines and the Bidder of the smaller gravity pipe line in conflict with the larger gravity pipe line must include in his Bid the cost of a conflict box at these locations. The location of and a solution to the conflicts do not have to be specifically noted as such on the plans.

30. Bidder shall execute affidavit(s) attesting compliance with LSA-R.S. 38:2212.10, 38:2224, 38:2227, each as amended, and other affidavits as required by law, prior to execution of the contract.

31. In accordance with Louisiana Law, all Corporations (See LA R.S. 12:26.1) and Limited Liability Companies (See LA R.S. 12:1308.2) should be registered and in good standing with the Louisiana Secretary of State in order to hold a contract.

32. Sealed Bids shall be delivered to St. Tammany Parish Government at the office of **St. Tammany Parish Government, Department of Procurement, 21454 Koop Drive, Suite 2-F, Mandeville, LA 70471**, and a receipt given, until the time and date denoted in Notice to Bidders, at which time and place the Bids shall be publicly opened and read aloud to those present. In accordance with LSA-R.S. 38:2212(H), the designer's final estimated cost of construction shall be read aloud upon opening bids. Sealed Bids may also be mailed by certified mail to **St. Tammany Parish Government, Department of Procurement, 21454 Koop Drive, Suite 2-F, Mandeville, LA 70471**, and must be received before the bid opening. Bids may also be submitted electronically. Information concerning links for electronic bidding is contained in the Notice to Bidders. It is the responsibility of the Bidders to ensure that bids are delivered in a timely fashion. **Late bids, regardless of reason, will not be considered, and will be returned to bidder.**

33. Paper bids shall be placed in a sealed envelope, marked plainly and prominently as indicated in the Notice to Bidders, and these Instructions, and addressed:

St. Tammany Parish Government
Department of Procurement
21454 Koop Drive, Suite 2-F
Mandeville, LA 70471

34. See Notice to Bidders for availability of Drawings, Specifications and Contract Documents via electronic methods.

35. The successful Bidder shall be required to post in each direction a public information sign, 4' x 4' in size, at the location of the project containing information required by the Owner. The Owner shall supply this information.

36. The award of the Contract, if it is awarded, will be to the lowest responsible Bidder, in accordance with State Law. No award will be made until the Owner has concluded such investigations as it deems necessary to establish the responsibility and qualifications of the Bidder to do the Work in accordance with the Contract Documents to the satisfaction of the Owner within the time prescribed as established by the Department based upon the amount of work to be performed and the conditions of same. The written contract and bond shall be issued in conformance with LSA-R.S. 38:2216. If the Contract is awarded, the Owner shall give the successful Bidder written notice of the award within forty-five (45) calendar days after the opening of the Bids in conformance with LSA-R.S. 38:2215(A), or any extension as authorized thereunder.

37. At least three days prior to the execution of the Contract, the Contractor shall deliver to the Owner the required Bonds.

38. Failure of the successful Bidder to execute the Contract and deliver the required Bonds within ten (10) days of the Notice of the Award shall be just cause for the Owner to annul the award and declare the Bid and any guarantee thereof forfeited. Award may then be made to the next lowest responsible bidder.

39. In order to ensure the faithful performance of each and every condition, stipulation and requirement of the Contract and to indemnify and hold harmless the Owner from any and all damages, either directly or indirectly arising out of any failure to perform same, the successful Bidder to whom the Contract is awarded shall furnish a Performance and Payment Bond in an amount of at least equal to one hundred percent (100%) of the Contract Price. The Contract shall not be in force or binding upon the Owner until such satisfactory Bond has been provided to and approved by the Parish. The cost of the Bond shall be paid for by the Contractor unless otherwise stipulated in the Special Provisions.

40. No surety Company will be accepted as a bondsman which has no permanent agent or representative in the State upon whom notices referred to in the General Conditions of these Specifications may be served. Service of said notice on said agent or representative in the State shall be equal to service of notice on the President of the Surety Company, or such other officer as may be concerned.

41. In conformance with LSA-R.S. 38:2219(A)(1)(a), (b), and (c):

> Any surety bond written for a public works project shall be written by a surety or insurance company currently on the U.S. Department of the Treasury Financial Management Service list of approved bonding companies which is published annually in the Federal Register, or by a Louisiana domiciled insurance company with at least an A- rating in the latest printing of the A.M. Best's Key Rating Guide, to write individual bonds up to ten percent of policyholders' surplus as shown in the A.M. Best's Key Rating Guide or by an insurance company that is either domiciled in Louisiana or owned by Louisiana residents and is licensed to write surety bonds.
>
> For any public works project, no surety or insurance company shall write a bond which is in excess of the amount indicated as approved by the U.S. Department of the Treasury Financial Management Service list or by a Louisiana domiciled insurance company with an A- rating by A.M. Best up to a limit of ten percent of policyholders' surplus as shown by A.M. Best; companies authorized by this Paragraph who are not on the treasury list shall not write a bond when the penalty exceeds fifteen percent of its capital and surplus, such capital and surplus being the amount by which the company's assets exceed its liabilities as reflected by the most recent financial statements filed by the company with the Department of Insurance.
>
> In addition, any surety bond written for a public works project shall be written by a surety or insurance company that is currently licensed to do business in the state of Louisiana. All contractors must comply with any other applicable provisions of LSA-R.S. 38:2219.

42. Should the Contractor's Surety, even though approved and accepted by the Owner, subsequently remove its agency or representative from the State or become insolvent,

bankrupt, or otherwise fail, the Contractor shall immediately furnish a new Bond in another company approved by the Owner, at no cost to the Owner. The new Bond shall be executed under the same terms and conditions as the original Bond. The new bond shall be submitted within thirty (30) days of such time as the Owner notifies Contractor or from the time Contractor learns or has reason to know that the original surety is no longer financially viable or acceptable to the Parish, whichever occurs first. In the event that Contractor fails or refuses to timely secure additional surety, then the Owner may secure such surety and thereafter deduct such cost or expense from any sum due, or to become due to Contractor.

43. The Contractor's bondsman shall obligate itself to all the terms and covenants of these Specifications and of contracts covering the Work executed hereunder. The Owner reserves the right to do Extra Work or make changes by altering, adding to deducting from the Work under the conditions and in the manner herein before described without notice to the Contractor's surety and without in any manner affecting the liability of bondsman or releasing it from any of its obligations hereunder.

44. The Bond shall also secure for the Owner the faithful performance of the Contract in strict accordance with plans, specifications, and other Contract Documents. It shall protect the Owner against all lien laws of the State and shall provide for payment of reasonable attorney's fees for enforcement of Contract and institution or concursus proceedings, if such proceedings become necessary. Likewise, it shall provide for all additional expenses of the Owner occurring through failure of the Contractor to perform.

45. The surety of the Contractor shall be and does hereby declare and acknowledge itself by acceptance to be bound to the Owner as a guarantor, jointly and in solido, with the Contractor, for fulfillment of terms of the Contract.

46. The performance Bond and Labor and Material Bond forming part of this Contract shall be continued by Contractor and its Surety for a period of one (1) year from date of acceptance of the Work/Project by Owner to assure prompt removal and replacement of all defective material, equipment, components thereof, workmanship, etc., and to assure payment of any damage to property of Owner or others as a result of such defective materials, equipment, workmanship, etc.

47. Contractor shall secure and maintain at its expense such insurance that will protect it and the Parish from claims for injuries to persons or damages to property which may arise from or in connection with the performance of Services or Work hereunder by the Contractor, his agents, representatives, employees, and/or subcontractors. The cost of such insurance shall be included in Contractor’s bid.

48. The Contractor shall not commence work until it has obtained all insurance as required for the Parish Project. If the Contractor fails to furnish the Parish with the insurance protection required and begins work without first furnishing Parish with a currently dated certificate of insurance, the Parish has the right to obtain the insurance protection required and deduct the cost of insurance from the first payment due the Contractor. Further deductions are permitted from future payments as are needed to protect the interests of the Parish including, but not limited to, renewals of all policies.

49. Payment of Premiums: The insurance companies issuing the policy or policies shall have no recourse against the Parish of St. Tammany for payment of any premiums or for assessments under any form of policy.

50. Deductibles: Any and all deductibles in the described insurance policies shall be assumed by and be at the sole risk of the Contractor.

51. Authorization of Insurance Company(ies) and Rating: All insurance companies must be authorized to do business in the State of Louisiana and shall have an A.M. Best rating of no less than A-, Category VII.

52. Policy coverages and limits must be evidenced by Certificates of Insurance issued by Contractor’s carrier to the Parish and shall reflect:

Date of Issue: Certificate must have current date.

Named Insured: The legal name of Contractor under contract with the Parish and its principal place of business shall be shown as the named insured on all Certificates of Liability Insurance.

Name of Certificate Holder: St. Tammany Parish Government, Office of Risk Management, P. O. Box 628, Covington, LA 70434

Project Description: A brief project description, including Project Name, Project Number and/or Contract Number, and Location.

Endorsements and Certificate Reference: All policies must be endorsed to provide, and certificates of insurance must evidence the following:

Waiver of Subrogation: The Contractor's insurers will have no right of recovery or subrogation against the Parish of St. Tammany, it being the intention of the parties that all insurance policy(ies) so affected shall protect both parties and be the primary coverage for any and all losses covered by the below described insurance. Policy endorsements required for all coverages.

Additional Insured: The Parish of St. Tammany shall be named as additional named insured with respect to general liability, marine liability, pollution/environmental liability, automobile liability and excess liability coverages. Policy endorsements required.

Hold Harmless: Contractor's liability insurers shall evidence their cognizance of the Hold Harmless and Indemnification in favor of St. Tammany Parish Government by referencing same on the face of the Certificate(s) of Insurance.

Cancellation Notice: Producer shall provide thirty (30) days prior written notice to the Parish of policy cancellation or substantive policy change.

53. The types of insurance coverage the Contractor is required to obtain and maintain throughout the duration of the Contract shall be designated by a separate document issued by the Office of Risk Management.

54. It is the intent of these instructions that they are in conformance with State Bid Laws. Should there be any discrepancy or ambiguity in these provisions, the applicable State Bid Law shall apply.

55. The letting of any public contract in connection with funds that are granted or advanced by the United States of America shall be subject to the effect, if any, of related laws of said United States and valid rules and regulations of federal agencies in charge, or governing use and payment of such federal funds.

56. Protests based on alleged solicitation improprieties that are apparent before bid opening, or the time set for receipt of initial proposals must be filed with and received by the Procurement Department BEFORE two (2) working days of the bid opening. Any other protest shall be filed no later than ten (10) calendar days after: the opening of the bid; the basis of the protest is known; or the basis of the protest should have been known (whichever is earlier).

57. It is the Parish's policy to provide a method to protest exclusion from a competition or from the award of a contract, or to challenge an alleged solicitation irregularity. It is always better to seek a resolution within the Parish system before resorting to outside agencies and/or litigation to resolve differences. All protests must be made in writing, and shall be concise and logically presented to facilitate review by the Parish. The written protest shall include:

The protester's name, address, and fax and telephone numbers and the solicitation, bid, or contract number;

A detailed statement of its legal and factual grounds, including a description of the resulting prejudice to the protester;

Copies of relevant documents;

All information establishing that the protester is an interested party and that the protest is timely; and

A request for a ruling by the agency; and a statement of the form of relief requested.

The protest shall be addressed to St. Tammany Parish Government Department of Procurement, P.O. Box 628, Covington, LA 70434

The protest review shall be conducted by the Parish Legal Department.

Only protests from interested parties will be allowed. Protests based on alleged solicitation improprieties that are apparent before bid opening, or the time set for receipt of initial proposals, must be filed with and received by the Department of Procurement BEFORE those deadlines.

Any other protest shall be filed no later than ten (10) calendar days after the basis of the protest is known, or should have been known (whichever is earlier).

The Parish will use its best efforts to resolve the protest within thirty (30) days of the date that it is received by the Parish. The written response will be sent to the protestor via mail and fax, if a fax number has been provided by the protestor. The protester can request additional methods of notification.

58. The last day to submit questions to Procurement shall be no later than 2:00 pm CST, seven (7) working days prior to the opening of bids and verification on comparable products will be no later than 2:00 pm CST, fourteen (14) working days prior to the opening date of the bid/proposal due date. Further, any questions or inquires must be submitted via fax to 985-898-5227, or via email to Procurement@stpgov.org. Any questions or inquiries received after the required deadline to submit questions or inquiries will not be answered.

Schedule of Events

	Date	Time (CT)
Bid Due Date	May 14, 2026	2:00 PM
Inquiry Deadline	May 5, 2026	2:00 PM
Addendum Deadline	May 11, 2026	2:00 PM

NOTE: The Parish reserves the right to revise this schedule. Any such revision will be formalized by the issuance of an addendum to the Bid Request.

59. St. Tammany Parish Government contracts to be awarded are dependent on the available funding and/or approval by members designated and/or acknowledged by St. Tammany Parish Government. At any time, St. Tammany Parish Government reserves the right to cancel the award of a contract if either or both of these factors is deficient.

60. Any action by the Parish to disqualify any Bidder on the grounds that they are not a responsible Bidder shall be conducted in accordance with LSA-R.S. 38:2212(X).

61. Failure to complete or deliver within the time specified or to provide the services as specified in the bid or response will constitute a default and may cause cancellation of the contract. Where the Parish has determined the contractor to be in default. The Parish reserves the right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with the cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid or response from the defaulting contractor will be considered.

62. If any part of the provisions contained herein and/or in the Specifications and Contract for the Work shall for any reason be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions of this Agreement or attachment, but it shall be construed as if such invalid, illegal, or unenforceable provision or part of a provision had never been contained herein.

Section 03

Summary of Work

I. Work to Include:

This project includes the construction of subsurface drainage, open ditches, cleaning of box culverts, concrete and asphalt drives, asphalt mill and overlay, signage and striping, and traffic calming speed tables, as specified along Casril Dr. between Hwy 59 and Soell Dr., located in Mandeville, LA.

The Parish reserves the right to add, remove or otherwise modify the above, as determined necessary by the Parish and as allowed by law.

I. Location of Work:

The work is located in St. Tammany Parish, south of Abita Springs, Louisiana, along Casril Drive, between Soell Drive and HWY LA-59.

II. Documents: Bid Documents dated March 31, 2026, and entitled:

Casril Drive Drainage Improvements
BID No.: 26-23-2

III. OTHER REQUIREMENTS (as applicable)

When not otherwise specified herein, all work and materials shall conform to the requirements of the Louisiana Department of Transportation and Development hereafter called LDOTD (2016 Edition of Louisiana Standard Specifications for Roads and Bridges).

Table 3.1

Liquidated Damages	
Original Contract Amount	**Daily Charge**
Dollars	Dollars
0 - 250,000	500
250,000 – 1 Million	1,000
> 1 Million – 5 Million	1,500
> 5 Million – 10 Million	2,000
> 10 Million	3,000

- Parish reserves the right to increase the Daily charge rate due to additional provisions required in order to complete the project as described in the specifications

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: St. Tammany Parish Government
21454 Koop Dr., Suite 2F
Mandeville, La 70471

(Owner to provide name and address of owner)

BID FOR: Casril Drive Drainage Improvements
Bid No.: 26-23-2

(*Owner to provide name of project and other identifying information.)*

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Trigon Associates, LLC, 1515 Poydras Street, Suite 930, New Orleans, LA 70112 and dated: March 31, 2026.
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) _____ .

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

_____Dollars ($ _____)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

N/A_____Dollars ($ _____)

Alternate No. 2 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

N/A_____Dollars ($ _____)

Alternate No. 3 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

N/A_____Dollars ($_____)

NAME OF BIDDER: _____

ADDRESS OF BIDDER:_____

_____

LOUISIANA CONTRACTOR'S LICENSE NUMBER: _____

NAME OF AUTHORIZED SIGNATORY OF BIDDER: _____

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: _____

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: _____

DATE: _____

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

**** A CORPORATE RESOLUTION OR WRITTEN EVIDENCE** of the authority of the person signing the bid for the public work as prescribed by LA R.S. 38:2212(B)(5).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA R.S. 38:2218(A) attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO:

St. Tammany Parish Government

21454 Koop Drive, Suite 2F

Mandeville, LA. 70471

(OWNER TO PROVIDE NAME AND ADDRESS OF OWNER)

BID FOR:

Casril Drive Drainage Improvements

Bid No.: 26-23-2

(OWNER TO PROVIDE PROJECT NAME & OTHER IDENTIFYING INFO)

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:	☑ BASE BID OR	☐ ALT #	Clearing and Grubbing	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
201-01-00100	1	LS		
Description:	☑ BASE BID OR	☐ ALT #	Removal of Structures and Obstructions	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
202-01-00100	1	LS		
Description:	☑ BASE BID OR	☐ ALT #	Removal of Asphalt Drives	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
202-02-02000	1213	SY		
Description:	☑ BASE BID OR	☐ ALT #	Removal of Concrete Drives	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
202-02-06100	363	SY		

Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.

Version 2017 Q2

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:	☑ BASE BID OR	☐ ALT #	Removal of Existing Culverts	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
202-02-09000	1722	LF		
Description:	☑ BASE BID OR	☐ ALT #	Removal of Sign and U-Channel Posts	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
202-02-38300	1	LS		
Description:	☑ BASE BID OR	☐ ALT #	General Excavation	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
203-01-00100	6586	CY		
Description:	☑ BASE BID OR	☐ ALT #	Temporary Hay Bales	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
204-02-00100	270	EACH		
Description:	☑ BASE BID OR	☐ ALT #	Temporary Silt Fencing	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
204-06-00100	275	LF		
Description:	☑ BASE BID OR	☐ ALT #	Non-Mainline Temporary Maintenance Surfacing (Aggregate) (Vehicle Meas)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
402-03-00101	394	CY		

Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:	☑ BASE BID OR	☐ ALT #	Asphalt Concrete	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
502-01-00100	838.2	TON		
Description:	☑ BASE BID OR	☐ ALT #	Asphalt Concrete, Drives, Turnouts, Misc.	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
502-01-00200	22.9	TON		
Description:	☑ BASE BID OR	☐ ALT #	Asphalt Concrete Drives (6" Thick)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
502-03-00200	2000	SY		
Description:	☑ BASE BID OR	☐ ALT #	Milling Asphalt Pavement (2" Mill)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
509-01-00100	7828.1	SY		
Description:	☑ BASE BID OR	☐ ALT #	Pavement Patching (12" Thickness)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
510-01-00100	400	SY		
Description:	☑ BASE BID OR	☐ ALT #	Cross Drain Pipe (18-inch RCP)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
701-01-01020	141	LF		

Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:	☑ BASE BID OR	☐ ALT #	Storm Drain Pipe (15-inch PVC)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
701-03-01015	49	LF		
Description:	☑ BASE BID OR	☐ ALT #	Storm Drain Pipe (18-inch RCP)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
701-03-01020	736	LF		
Description:	☑ BASE BID OR	☐ ALT #	Storm Drain Pipe (24-inch RCP)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
701-03-01040	376	LF		
Description:	☑ BASE BID OR	☐ ALT #	Storm Drain Pipe (30-inch RCP)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
701-03-01060	1928	LF		
Description:	☑ BASE BID OR	☐ ALT #	Storm Drain Pipe (36-inch RCP)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
701-03-01080	1040	LF		
Description:	☑ BASE BID OR	☐ ALT #	Storm Drain Pipe (30-inch EQ RCPA)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
701-04-01060	56	LF		

Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:	☑ BASE BID OR	☐ ALT #	Clean Existing Box Culverts	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
701-14-02000	1	LS		
Description:	☑ BASE BID OR	☐ ALT #	Catch Basins (CB-01)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
702-03-00100	30	EACH		
Description:	☑ BASE BID OR	☐ ALT #	Side Drain End Treatment	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
702-06-00100	2	EACH		
Description:	☑ BASE BID OR	☐ ALT #	Concrete Drive (6" Thick)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
706-02-00200	363	SY		
Description:	☑ BASE BID OR	☐ ALT #	Temporary Signs and Barricades	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
713-01-00100	1	LS		
Description:	☑ BASE BID OR	☐ ALT #	Bedding Material	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
726-01-00100	301	CY		

Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:	☑ BASE BID OR	☐ ALT #	Mobilization	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
727-01-00100	1	LS		
Description:	☑ BASE BID OR	☐ ALT #	Signs (Type A)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
729-01-00100	4	EACH		
Description:	☑ BASE BID OR	☐ ALT #	Mounting of Signs (Type A)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
729-01-00200	4	EACH		
Description:	☑ BASE BID OR	☐ ALT #	Reflectorized Raised Pavement Markers	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
731-02-00100	178	EACH		
Description:	☑ BASE BID OR	☐ ALT #	Plastic Pavement Striping (24" Width)(Thermoplastic 90 Mil)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
732-01-01080	24	LNFT		
Description:	☑ BASE BID OR	☐ ALT #	Plastic Pavement Striping (4" Width)(Thermoplastic 90 Mil)	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
732-02-02000	2.8	MILE		

Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.

UNIT PRICES: This form shall be used for any & all work required by the Bidding Documents & described as unit prices. Amounts shall be stated in figures & only in figures.

Description:	☑ BASE BID OR	☐ ALT #	Hydro-seeding	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
739-01-00100	1.3	ACRE		
Description:	☑ BASE BID OR	☐ ALT #	Construction Layout	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
740-01-00100	1	LS		
Description:	☑ BASE BID OR	☐ ALT #	Utility Oversight and Coordination	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
740-02-00100	1	LS		
Description:	☑ BASE BID OR	☐ ALT #	Asphaltic Concrete Speed Tables	
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
ST-01	6	EACH		
Description:	☐ BASE BID OR	☐ ALT #		
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**
Description:	☐ BASE BID OR	☐ ALT #		
REF NO.:	**QUANTITY**	**UNIT OF MEASURE**	**UNIT PRICE**	**UNIT PRICE EXTENSION (Quantity times unit price)**

Wording for "description" is to be provided by the Owner. All Quantities Estimated. The Contractor will be paid based upon actual quantities as verified by the Owner.

Section 05

AFFIDAVIT PURSUANT TO LSA-R.S. 38:2224 and 38:2227 FOR BIDDERS FOR PUBLIC WORKS CONTRACTS

STATE OF _____

PARISH/COUNTY OF _____

BEFORE ME, the undersigned authority, in and for the above stated State and Parish (or County), personally came and appeared:

_____

Print Name

who, after first being duly sworn, did depose and state:

1. That affiant is appearing on behalf of _____, who is seeking a public contract with St. Tammany Parish Government.

2. That affiant employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for affiant; and

3. That no part of the contract price received by affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for affiant.

4. If affiant is a sole proprietor, that after July 2, 2010, he/she has not been convicted of, or has not entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed in LSA-R.S. 38:2227(B).

5. If affiant is executing this affidavit on behalf of a juridical entity such as a partnership, corporation, or LLC, etc., that no individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the bidding entity, has been convicted of, or has entered a plea of guilty or *nolo contendere* to any

of the crimes or equivalent federal crimes listed in LSA-R.S. 38:2227(B).

6. If affiant is a sole proprietor, that neither affiant, nor his/her immediate family is a public servant of St. Tammany Parish Government or the Contract is not under the supervision or jurisdiction of the public servant's agency.

7. If affiant is executing this affidavit on behalf of a juridical entity such as a partnership, corporation, or LLC, etc., that no public servant of St. Tammany Parish Government, or his/her immediate family, either individually or collectively, has more than a 25% ownership interest in the entity seeking the Contract with St. Tammany Parish Government if the Contract will be under the supervision or jurisdiction of the public servant's agency.

_____

Printed Name: _____

Title: _____

Entity name: _____

THUS SWORN TO AND SUBSCRIBED BEFORE ME,
THIS_____, DAY OF _____, 202__.

_____

Notary Public

Print Name: _____

Notary I.D./Bar No.: _____

My commission expires: _____

AFFIDAVIT PURSUANT TO LSA-R.S. 38:2212.10 CONFIRMING REGISTRATION AND PARTICIPATION IN A STATUS VERIFICATION SYSTEM

STATE OF _____

PARISH/COUNTY OF _____

BEFORE ME, the undersigned authority, in and for the above stated State and Parish (or County), personally came and appeared:

_____

Print Name

who, after first being duly sworn, did depose and state:

1. That affiant is appearing on behalf of _____, a private employer seeking a bid or a contract with St. Tammany Parish Government for the physical performance of services within the State of Louisiana.

2. That affiant is registered and participates in a status verification system to verify that all employees in the state of Louisiana are legal citizens of the United States or are legal aliens; and

3. That affiant shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the state of Louisiana.

4. That affiant shall require all subcontractors to submit to the affiant a sworn affidavit verifying compliance with this law.

_____

Printed Name: _____

Title: _____

Name of Entity: _____

THUS SWORN TO AND SUBSCRIBED BEFORE ME,
THIS_____, DAY OF _____, 202__.

_____

Notary Public

Print Name: _____

Notary I.D./Bar No.: _____

My commission expires: _____

INSURANCE REQUIREMENTS*

Construction Project: Casril Drive Drainage Improvements

Project/Quote/Bid#: 26-32-2

IMPORTANT – PLEASE READ

Prior to submitting your quote or bid, it is recommended that you review these insurance requirements with your insurance broker/agent.

These requirements modify portions of the insurance language found in the General Conditions and/or* Supplementary *General Conditions; however, there is no intention to remove all sections pertaining to insurance requirements and limits set forth in the General Conditions and/or Supplementary General Conditions, only to amend and specify those items particular for this Project.

A. The Provider shall secure and maintain at its expense such insurance that will protect it and St. Tammany Parish Government (the "Parish") from claims for bodily injury, death or property damage as well as from claims under the Workers' Compensation Acts that may arise from the performance of services under this agreement. All certificates of insurance shall be furnished to the Parish and provide thirty (30) days prior notice of cancellation to the Parish, in writing, on all of the required coverage.

B. All policies shall provide for and certificates of insurance shall indicate the following:

1. Waiver of Subrogation: The Provider's insurers will have no right of recovery or subrogation against the Parish of St. Tammany, it being the intention of the parties that all insurance policy(ies) so affected shall protect both parties and be the primary coverage for any and all losses covered by the below described insurance.

2. Additional Insured: St. Tammany Parish Government shall be named as Additional Insured with respect to general liability, automobile liability and excess liability coverages, as well as marine liability and pollution/environmental liability, when those coverages are required or necessary.

3. Payment of Premiums: The insurance companies issuing the policy or policies will have no recourse against St. Tammany Parish Government for payment of any premiums or for assessments under any form of policy.

4. Project Reference: The project(s) and location(s) shall be referenced in the Comment or Description of Operations section of the Certificate of Insurance (Project ##-###, or Bid # if applicable, Type of Work, Location).

C. Coverage must be issued by insurance companies authorized to do business in the State of Louisiana. Companies must have an A.M. Best rating of no less than A-, Category VII. St. Tammany Parish Risk Management Department may waive this requirement only for Workers Compensation coverage at their discretion.

Provider shall secure and present proof of insurance on forms acceptable to St. Tammany Parish Government, Office of Risk Management no later than the time of submission of the Contract to the Parish. However, should any work performed under this Contract by or on behalf of Provider include exposures that are not covered by those insurance coverages, Provider is not relieved of its obligation to maintain appropriate levels and types of insurance necessary to protect itself, its agents and employees, its subcontractors, St. Tammany Parish Government (Owner), and all other interested third parties, from any and all claims for damage or injury in connection with the services performed or provided throughout the duration of this Project, as well as for any subsequent periods required under this Contract.

The insurance coverages checked (✓) below are those required for this Contract.

☑ 1. **Commercial General Liability*** insurance – **Occurrence Form** - with a Combined Single Limit for bodily injury and property damage of at least $1,000,000 per Occurrence / $2,000,000 General Aggregate and $2,000,000 Products-Completed Operations. Contracts over $1,000,000 may require higher limits. The insurance shall provide for and the certificate(s) of insurance shall indicate the following coverages:

a) Premises - operations;
b) Broad form contractual liability;
c) Products and completed operations;
d) Personal/Advertising Injury;
e) Broad form property damage (for Projects involving work on Parish property);
f) Explosion, Collapse and Damage to underground property.
g) Additional Insured forms CG 2010 and CG 2037 in most current edition are required.

☑ 2. **Business Automobile Liability*** insurance with a Combined Single Limit of $1,000,000 per Occurrence for bodily injury and property damage, and shall include coverage for the following:

a) Any auto;
or
b) Owned autos; **and**
c) Hired autos; **and**
d) Non-owned autos.

☑ 3. **Workers' Compensation/Employers Liability insurance*** - Workers' Compensation coverage as required by State law. Employers' liability limits shall be a minimum of $1,000,000 each accident, $1,000,000 each disease, $1,000,000 disease policy aggregate. When water activities are expected to be performed in connection with this project, coverage under the USL&H Act, Jones Act and/or Maritime Employers Liability (MEL) must be included. **Coverage for owners, officers and/or partners in any way engaged in the Project shall be included in the policy.** The names of any excluded individual must be shown in the Description of Operations/Comments section of the Certificate**.**

☑ 4. **Pollution Liability and Environmental Liability*** insurance in the minimum amount of $1,000,000 per occurrence / $2,000,000 aggregate including full contractual liability and third party claims for bodily injury and/or property damage, for all such hazardous waste, pollutants and/or environmental exposures that may be affected by this project stemming from pollution/environmental incidents as a result of Contractor's operations.

If coverage is provided on a claims-made basis, the following conditions apply:

1) the retroactive date must be prior to or coinciding with the effective date of the Contract, or prior to the commencement of any services provided by the Contractor on behalf of the Parish, whichever is earlier; AND
2) continuous coverage must be provided to the Parish with the same retro date for 24 months following acceptance or termination of the Project by the Parish either by
    a) continued renewal certificates **OR**
    b) a 24 month Extended Reporting Period

*The Certificate must indicate whether the policy is written on an occurrence or claims-made basis and, if claims-made, the applicable retro date must be stated.

☐ 5. **Contractor's Errors and Omissions*** insurance in the sum of at least $1,000,000 per claim / $2,000,000 aggregate is required when work performed by Contractor or on behalf of Contractor to include coverage for, but not limited to: negligence, mistakes, faulty workmanship, improper installation, not following design specifications, etc. An occurrence basis policy is preferred.

If coverage is provided on a claims-made basis, the following conditions apply:

1) the retroactive date must be prior to or coinciding with the effective date of the Contract, or prior to the commencement of any services provided by the Contractor on behalf of the Parish, whichever is earlier; AND
2) continuous coverage must be provided to the Parish with the same retro date for 24 months following acceptance or termination of the Project by the Parish either by
    a) continued renewal certificates **OR**
    b) a 24 month Extended Reporting Period

*The Certificate must indicate whether the policy is written on an occurrence or claims-made basis and, if claims-made, the applicable retro date must be stated.

☐ 6. **Marine Liability/Protection and Indemnity*** insurance is required for any and all vessel and/or marine operations in the minimum limits of $1,000,000 per occurrence / $2,000,000 per project general aggregate. The coverage shall include, but is not limited to, the basic coverages found in the Commercial General Liability insurance and coverage for third party liability

***Excess/Umbrella Liability** insurance may be provided to meet the limit requirements for any Liability coverage. For example: if the General Liability requirement is $3,000,000 per occurrence, but the policy is only $1,000,000 per occurrence, then the excess policy should be at least $2,000,000 per occurrence thereby providing a combined per occurrence limit of $3,000,000.)

☑ 7. **Owners Protective Liability (OPL)** shall be furnished by the Contractor and shall provide coverage in the minimum amount of $1,000,000 CSL each occurrence / $1,000,000 aggregate. **St. Tammany Parish Government, ATTN: Risk Management Department, P. O. Box 628, Covington, LA 70434 shall be the first named insured on the policy**.

☐ 8. **Builder's Risk Insurance** written as an "all-risk" policy providing coverage in an amount at or greater than one hundred percent (100%) of the completed value of the contracted project. Any contract modifications increasing the contract cost will require an increase in the limit of the Builder's Risk policy. Deductibles should not exceed $5,000 and Contractor shall be responsible for all policy deductibles. This insurance shall cover materials at the site, stored off the site, and in transit. The Builder's Risk Insurance shall include the interests of the Owner, Contractor and Subcontractors and shall terminate only when the Project is accepted in writing. **St. Tammany Parish Government, ATTN: Risk Management Department, P. O. Box 628, Covington, LA 70434 shall be named as a Loss Payee on the policy**.

☐ 9. **Installation Floater Insurance**, on an "all-risk" form, shall be furnished by Contractor and carried for the full value of the materials, machinery, equipment and labor for each location. The Contractor shall be responsible for all policy deductibles. The Installation Floater Insurance shall provide coverage for property owned by others and include the interests of the Owner, Contractor and Subcontractors and shall terminate only when the Project is accepted in writing. **St. Tammany Parish Government, ATTN: Risk Management Department, P. O. Box 628, Covington, LA 70434 shall be named as a Loss Payee on the policy**.

D. All policies of insurance shall meet the requirements of the Parish prior to the commencing of any work. The Parish has the right, but not the duty, to approve all insurance coverages prior to commencement of work. If any of the required policies are or become unsatisfactory to the Parish as to form or substance; or if a company issuing any policy is or becomes unsatisfactory to the Parish, the Provider shall promptly obtain a new policy, timely submit same to the Parish for approval, and submit a certificate thereof as provided above. The Parish agrees not to unreasonably withhold approval of any insurance carrier selected by Provider. In the event that Parish cannot agree or otherwise authorize a carrier, Provider shall have the option of selecting and submitting a new insurance carrier within 30 days of said notice by the Parish. In the event that the second submission is insufficient or is not approved, then the Parish shall have the unilateral opportunity to thereafter select a responsive and responsible insurance carrier all at the cost of Provider and thereafter deduct from Provider's fee the cost of such insurance.

E Upon failure of Provider to furnish, deliver and/or maintain such insurance as above provided, this contract, at the election of the Parish, may be declared suspended, discontinued or terminated. Failure of the Provider to maintain insurance shall not relieve the Provider from any liability under the contract, nor shall the insurance requirements be construed to conflict with the obligation of the Provider concerning indemnification.

F. Provider shall maintain a current copy of all annual insurance policies and agrees to provide a certificate of insurance to the Parish on an annual basis or as may be reasonably requested for the term of the contract or any required Extended Reporting Period. Provider further shall ensure that all insurance policies are maintained in full force and effect throughout the duration of the Project and shall provide the Parish with annual renewal certificates of insurance evidencing continued coverage, without any prompting by the Parish.

G. It shall be the responsibility of Provider to require that these insurance requirements are met by all contractors and sub-contractors performing work for and on behalf of Provider. Provider shall further ensure the Parish is named as an additional insured on all insurance policies provided by said contractor and/or sub-contractor throughout the duration of the project.

H. Certificates of Insurance shall be issued as follows:

St. Tammany Parish Government
Attn: Risk Management
P O Box 628
Covington, LA 70434

To avoid contract processing delays, be certain the project name/number is included on all correspondence including Certificates of Insurance.

***NOTICE*: St. Tammany Parish Government reserves the rights to remove, replace, make additions to and/or modify any and all of the insurance requirements at any time.**

Any inquiry regarding these insurance requirements should be addressed to:

St. Tammany Parish Government
Office of Risk Management
P O Box 628
Covington, LA 70434
Telephone: 985-898-5226
Email: riskman@stpgov.org

Section 07

Project Signs

1. General

a. Work to include providing and installing project sign(s) at the beginning of the project. Some projects may require multiple signs. Should more than one sign be required, it will be reflected in the bidding documents.

2. Materials

a. The printed project sign(s) shall be 3/8" primed Medium Density Overlay (MDO) **OR** 3-millimeter corrugated plastic secured to exterior plywood (4' x 4').

b. Contractor shall not use previously provided templates and/or fonts.

3. Execution

a. The sign(s) shall be printed on a project-by-project basis in black and white, using the template and font provided to the Contractor by the St. Tammany Parish Government Project Manager.

b. All signage proofed and approved by State Tammany Parish Government before project sign(s) are to be produced by the Contractor.

c. Exact placement of the project sign(s) must be coordinated with, and approved by, the St. Tammany Parish Government Project Manager prior to sign installation.

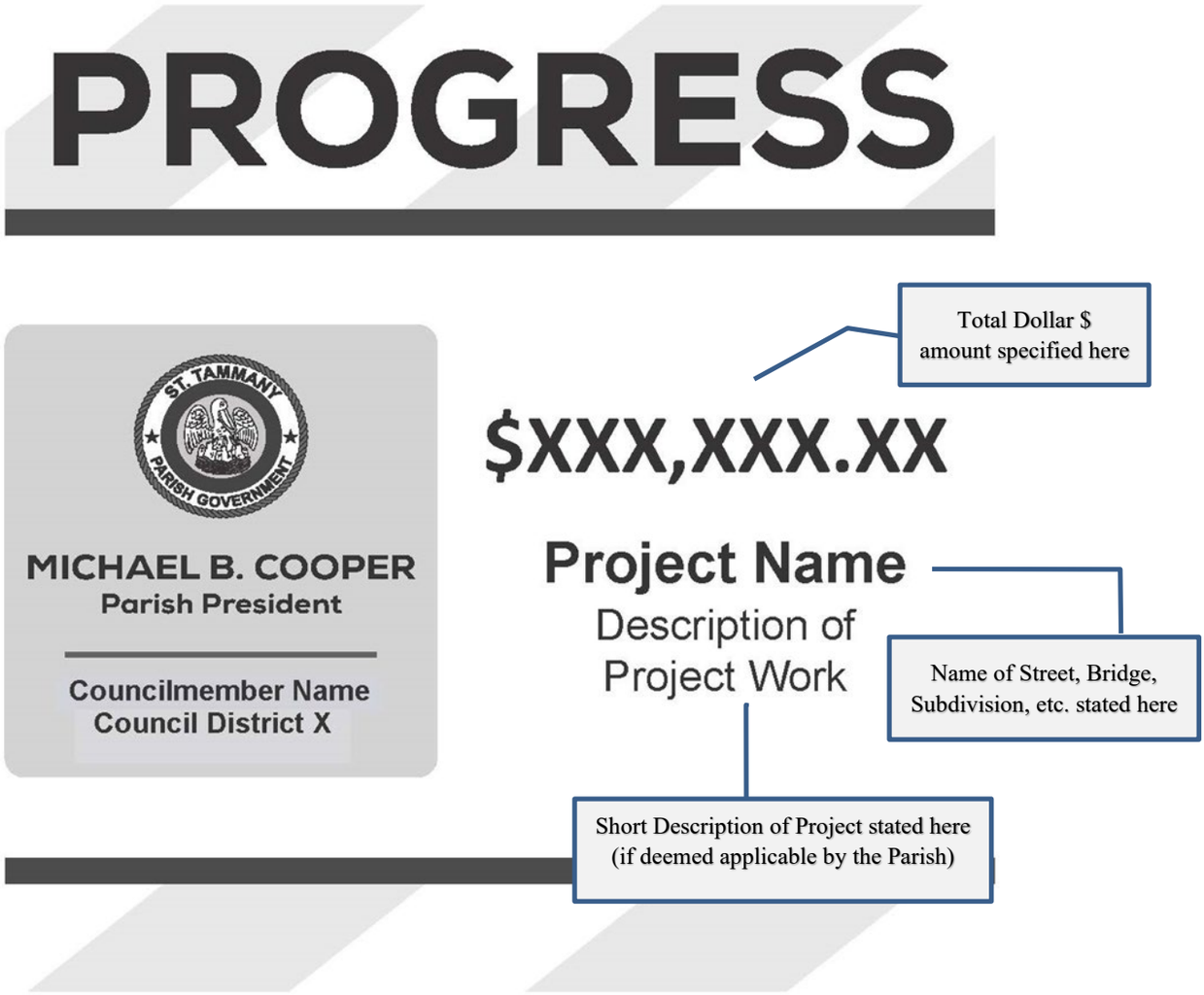
d. The sign(s) is to be installed such that the bottom of the sign is a minimum of 5' above the existing ground elevation.

e. Sign(s) is to be maintained throughout the period of construction. If sign(s) is damaged or destroyed, repair and/or replacement of sign(s) will be at Contractor's expense.

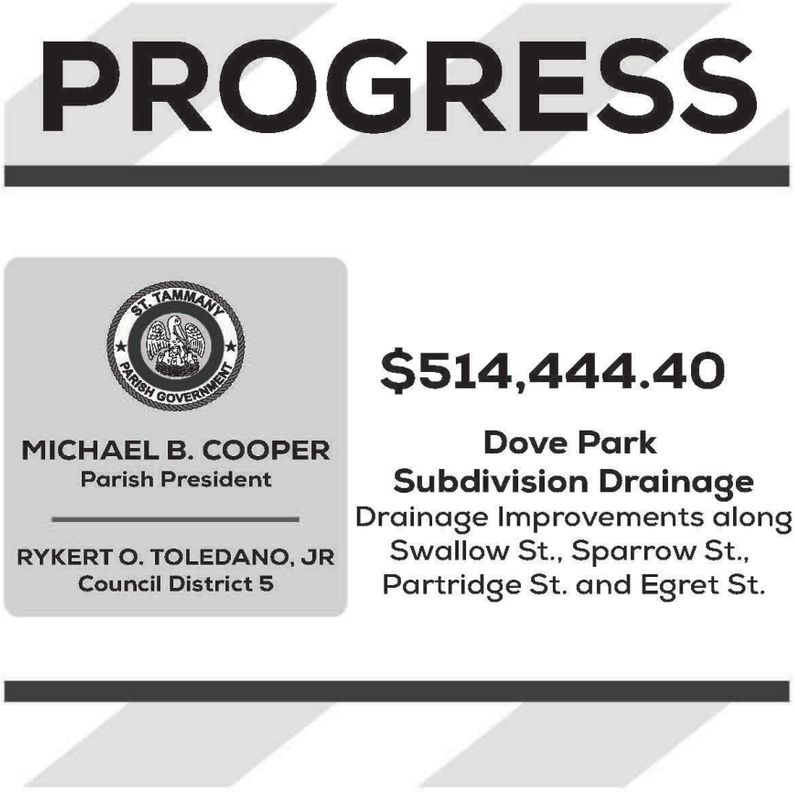
f. Contractor is responsible for the removal of all project signs upon issuance of final acceptance by the St. Tammany Parish Government Project Manager at no direct pay.

g. Cost to be included in "Temporary Signs and Barricades

Blank Template of Parish Project Sign:



Example of a Completed Parish Project Sign:



Section 08

General Conditions for St. Tammany Parish Government

This index is for illustrative purposes only and is not intended to be complete nor exhaustive.

All bidders/contractors are presumed to have read and understood the entire document. Some information contained in these conditions may not be applicable to all projects.

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01.00 DEFINITIONS OF TERMS

Whenever used in these General Conditions or in other Contract Documents, the following terms shall have the meanings indicated, and these shall be applicable to both the singular and plural thereof.

01.01 A.A.S.H.T.O American Association of State Highway and Transportation Officials. When A.A.S.H.T.O. is referred to in these Specifications it takes the meaning of the specification for materials and methods of testing specified by this association and the specification stated is considered to be a part of the Specifications as if written herein in full.

01.02 A.C.I American Concrete Institute. When A.C.I. is referred to in these Specifications it takes the meaning of the specification for materials and methods of testing specified by this institute and the specification stated is considered to be a part of the Specifications as if written herein in full.

01.03 Addenda Written or graphic instruments issued prior to the opening of bids which clarify, correct, modify or change the bidding or Contract Documents.

01.04 Advertisement The written instrument issued by the Owner at the request of the Owner used to notify the prospective bidder of the nature of the Work. It becomes part of the Contract Documents.

01.05 Agreement The written agreement or contract between the Owner and the Contractor covering the Work to be performed and the price that the Owner will pay. Other documents, including the Proposal, Addenda, Specifications, plans, surety, insurance, etc., are made a part thereof.

01.06 Application for Payment The form furnished by the Owner which is to be used by the Contractor in requesting incremental (progress) payments and which is to include information required by Section 28.01 and an affidavit of the Contractor. The affidavit shall stipulate that progress payments theretofore received from the Owner on account of the Work have been applied by Contractor to discharge in full of all Contractor's obligations reflected in prior applications for payment.

01.07 A.S.T.M. American Society of Testing Materials. When A.S.T.M. is referred to in these Specifications it takes the meaning of the specification for materials and methods of testing specified by this society and the specification stated is considered to be a part of the Specifications as if written herein in full.

01.08 Bid The offer or Proposal of the Bidder submitted on the prescribed form setting forth all the prices for the Work to be performed.

01.09 Bidder Any person, partnership, firm or corporation submitting a Bid for the Work.

01.10 Bonds Bid, performance and payment bonds and other instruments of security, furnished by the Contractor and its surety in accordance with the Contract Documents and Louisiana law.

01.11 Change Order A written order to the Contractor signed by the Owner authorizing an addition, deletion or revision in the Work, or an adjustment in the Contract Price or the Contract Time after execution of the Agreement.

01.12 Contract Documents The Agreement, Addenda, Contractor's Bid and any documentation accompanying or post-bid documentation when attached as an exhibit, the Bonds, these General Conditions, the Advertisement for Bid, Notice to Contractor, all supplementary conditions, the Specifications, the Drawings, together with all Modifications issued after the execution of the Agreement.

01.13 Contract Price The total monies payable to the Contractor under the Contract Documents.

01.14 Contract Time The number of consecutive calendar days stated in the Agreement for the completion of the Work.

01.15 Contractor The person, firm, corporation or Contractor with whom the Owner has executed the Agreement.

01.16 Defective Work When work which is unsatisfactory, faulty or deficient for any reason whatsoever, or does not conform to the Contract Documents, or does not meet the requirements of any inspection, test or approval referred to in the Contract Documents, or has been damaged prior to the Owner's recommendation or acceptance.

01.17 Drawings The Drawings and plans which show the character and scope of the Work to be performed and which have been prepared or approved by the Owner and are referred to in the Contract Documents.

01.18 Field Order A written order issued by the Owner or his agent which clarifies or interprets the Contract Documents.

01.19 Modification (a) A written amendment of the Contract Documents signed by both parties, (b) A Change Order, (c) A written clarification or interpretation issued by the Owner or his agent. Modification may only be issued after execution of the Agreement.

01.20 Notice of Award The written notice by Owner to the lowest responsible Bidder stating that upon compliance of the conditions enumerated in the Notice of Award, or enumerated in the Bid documents, the Owner will deliver the Contract Documents for signature. The time for the delivery of the Contract Documents can be extended in conformance with Louisiana Law.

01.21 Notice to Contractor Instructions, written or oral given by Owner to Contractor and deemed served if given to the Contractor's superintendent, foreman or mailed to Contractor at his last known place of business.

01.22 Notice to Proceed A written notice given by the Owner fixing the date on which the Contract Time will commence, and on which date the Contractor shall start to perform his obligation under the Contract Documents. Upon mutual consent by both parties, the Notice to Proceed may be extended.

01.23 Owner St. Tammany Parish Government, acting herein through its duly constituted and authorized representative, including but not limited to the Office of the Parish President or its designee, its Chief Administrative Officer, and/or Legal Counsel. St. Tammany Parish Government (hereinafter, the “Parish”) and Owner may be used interchangeably.

01.24 Project The entire construction to be performed as provided in the Contract Documents.

01.25 Project Representative The authorized representative of the Owner who is assigned to the Project or any parts thereof.

01.26 Proposal The Bid submitted by the Bidder to the Owner on the Proposal form setting forth the Work to be done and the price for which the Bidder agrees to perform the Work.

01.27 Shop Drawings All drawings, diagrams, illustrations, brochures, schedules and other data which are prepared by the Contractor, Subcontractor, Manufacturer, Supplier or Distributor and which illustrate the equipment, material or some portion of the Work.

01.28 Specifications The Instructions to Bidders, these General Conditions, the Special Conditions and the Technical Provisions. All of the documents listed in the "Table of Contents."

01.29 Subcontractor An individual, firm or corporation having a direct Contract with the Contractor or with any other Subcontractor for the performance of a part of the Project Work.

01.30 Substantial Completion The date as certified by the Owner or its agent when the construction of the Project or a specified part thereof is sufficiently complete in accordance with the Contract Documents so that the Project or specified part can be utilized for the

purposes for which it was intended; or if there is no such certification, the date when final payment is due in accordance with Section 28.

01.31 Superintendent Contractor's site representative. The person on the site who is in full and complete charge of the Work.

01.32 Time Unless specifically stated otherwise, all time delays shall be calculated in calendar days.

01.33 Work Any and all obligations, duties and responsibilities necessary to the successful completion of the Project assigned to or undertaken by the Contractor under the Contract Documents, usually including the furnishing of all labor, materials, equipment and other incidentals.

01.34 The terms “he/himself” may be used interchangeably with “it/itself.”

02.00 PROPOSAL

02.01 All papers bound with or attached to the Proposal Form are a necessary part thereof and must not be detached.

02.02 For submitting Bids, the only forms allowed shall be the “Louisiana Uniform Public Work Bid Form”, “Louisiana Uniform Public Works Bid Form Unit Price Form” (if necessary), the Bid Bond, and written evidence of authority of person signing the bid. Necessary copies of the Louisiana Uniform Public Work Forms will be furnished for Bidding. Bound sets of the Contract Documents are for Bidder's information and should not be used in submitting Bids.

02.03 Proposal forms must be printed in ink or typed, unless submitted electronically. Illegibility or ambiguity therein may constitute justification for rejection of the Bid.

02.04 Each Bid must be submitted in a sealed envelope, unless submitted electronically. The outside of the envelope shall show the name and address of the Bidder, the State Contractor’s License Number of the Bidder (if work requires contractor’s license), and the Project name and number for which the Bid is submitted, along with the Bid number.

02.05 The price quoted for the Work shall be stated in words and figures on the Bid Form, and in numbers only on the Unit Price Form. The price in the Proposal shall include all costs necessary for the complete performance of the Work in full conformity with the conditions of the Contract Documents, and shall include all applicable Federal, State, Parish, Municipal or other taxes. The price bid for the items listed on the Unit Price Form will include the cost of all related items not listed, but which are normally required to do the type of Work bid.

02.06 The Bid shall be signed by the Bidder. The information required on the Louisiana Uniform Public Work Bid Form must be provided. Evidence of agency, corporate, or partnership authority is required and shall be provided in conformance with LSA-R.S. 38:2212(B).

02.07 Only the Contractors licensed by the State to do the type of Work involved can submit a Proposal for the Work. The envelope containing the Proposal shall have the Contractor's license number on it. Failure to be properly licensed constitutes authority by the Owner for rejection of Bid.

02.08 Bidders shall not attach any conditions or provisions to the Proposal. Any conditions or provisions so attached may, at the sole option of the Owner, cause rejection of the Bid or Proposal.

02.09 A Bid Guarantee of five percent (5%) of the amount of the total Bid, including Alternates, must accompany the Proposal and, at the option of the Bidder, may be a cashier's check, certified check or a satisfactory Bid Bond. The Bid Guarantee must be attached to the Louisiana Uniform Public Work Bid Form. No Bid will be considered unless it is so guaranteed. Cashier's check or certified check must be made payable to the order of the Owner. Cash deposits will not be accepted. The Owner reserves the right to cash or deposit the cashier's check or certified check. Such guarantees shall be made payable to the Parish of St. Tammany. In accordance with LSA-R.S. 38:2218(C), if a bid bond is used, it shall

be written by a surety or insurance company currently on the U.S. Department of the Treasury Financial Management Service list of approved bonding companies which is published annually in the Federal Register, or by a Louisiana domiciled insurance company with at least an A- rating in the latest printing of the A.M. Best's Key Rating Guide to write individual bonds up to ten percent of policyholders' surplus as shown in the A.M. Best's Key Rating Guide, or by an insurance company in good standing licensed to write bid bonds which is either domiciled in Louisiana or owned by Louisiana residents. It is **not** required to be on any AIA form.

02.10 Bid securities of the three (3) lowest Bidders will be retained by the Owner until the Contract is executed or until final disposition is made of the Bids submitted. Bid securities of all other Bidders will be returned promptly after the canvas of Bids. Bids shall remain binding for forty-five (45) days after the date set for Bid Opening. The Parish shall act within the forty-five (45) days to award the contract to the lowest responsible bidder or reject all bids as permitted by Public Bid Law. However, the Parish and the lowest responsible bidder, by mutual written consent, may agree to extend the deadline for award by one or more extensions of thirty (30) calendar days. In the event the Owner issued the Letter of Award during this period, or any extension thereof, the Bid accepted shall continue to remain binding until the Execution of the Contract.

02.11 A Proposal may be withdrawn at any time prior to the scheduled closing time for receipt of Bids, provided the request is in writing, executed by the Bidder or its duly authorized representative and is filed with the Owner prior to that time. When such a request is received, the Proposal will be returned to the Bidder unopened.

02.12 Written communications, over the signature of the Bidder, to modify Proposals will be accepted and the Proposal corrected in accordance therewith if received by the Owner prior to the scheduled closing time for receipt of Bids. Oral, telephonic or telegraphic Modifications will not be considered.

02.13 No oral interpretation obligating the Owner will be made to any Bidder as to the meaning of the Drawings, Specifications and Contract Documents. Every request for such an interpretation shall be made in writing and addressed and forwarded to the Owner. No inquiry received within seven (7) days prior to the day fixed for opening of the Bids shall be given consideration. Every interpretation made to the Bidder shall be in the form of an addendum to the Specifications. All such Addenda shall become part of the Contract Documents. Failure of Bidder to receive any such interpretation shall not relieve any Bidder from any obligation under this Bid. All Addenda shall be issued in accordance with the Public Bid Law, LSA-R.S. 38:2212(O)(2)(a) and (b).

02.14 The Owner reserves the right to reject any or all Bids for just cause in accordance with the Public Bid Law, LSA-R.S. 38:2214(B). Incomplete, informal or unbalanced Bids may be rejected. Reasonable grounds for belief that any one Bidder is concerned directly or indirectly with more than one Bid will cause rejection of all Bids wherein such Bidder is concerned. If required, a Bidder shall furnish satisfactory evidence of its competence and ability to perform the Work stipulated in its Proposal. Incompetence will constitute cause for rejection. If the Parish determines that the bidder is not responsive or responsible for any reason whatsoever, the bid may be rejected in accordance with State law.

02.15 The Contractor shall indemnify and hold harmless the Owner from any and all suits, costs, penalties or claims for infringement by reason of use or installation of any patented design, device, material or process, or any trademark and copyright in connection with the Work agreed to be performed under this Contract, and shall indemnify and hold harmless the Owner for any costs, expenses and damages which it may be obliged to pay by reason of any such infringement at any time during the prosecution or after completion of the Work.

02.16 Bidders shall familiarize themselves with and shall comply with all applicable Federal and State Laws, municipal ordinances and the rules and regulations of all authorities having jurisdiction over construction of the Project, which may directly or indirectly affect the Work or its prosecution. These laws and/or ordinances will be deemed to be included in the Contract, as though herein written in full.

02.17 Each Bidder shall visit the site of the proposed Work and fully acquaint itself with all surface and subsurface conditions as they may exist so that it may fully understand this Contract. Bidder shall also thoroughly examine and be familiar with drawings,

Specifications and Contract Documents. The failure or omission of any Bidder to receive or examine any form instrument, Drawing or document or to visit the site and acquaint itself with existing conditions, shall in no way relieve any Bidder from any obligation with respect to its Bid and the responsibility in the premises.

02.18 The standard contract form enclosed with the Proposal documents is a prototype. It is enclosed with the Contract Documents for the guidance of the Owner and the Contractor. It has important legal consequences in all respects and consultation with an attorney is encouraged. Contractor shall be presumed to have consulted with its own independent legal counsel.

02.19 When one set of Contract plans show the Work to be performed by two or more prime Contractors, it is the responsibility of each Bidder to become knowledgeable of the Work to be performed by the other where the Work upon which this bid is submitted is shown to come into close proximity or into conflict with the Work of the other. In avoiding conflicts, pressure pipe lines must be installed to avoid conflict with gravity pipe lines and the Bidder of the smaller gravity pipe line in conflict with the larger gravity pipe line must include in his Bid the cost of a conflict box at these locations. The location of and a solution to the conflicts do not have to be specifically noted as such on the plans.

02.20 Bidder shall execute affidavit(s) attesting compliance with LSA-R.S. 38:2212.10, 38:2224, 38:2227, each as amended, and other affidavits as required by law, prior to execution of the contract.

02.21 Sealed Proposals (Bid) shall be received by St. Tammany Parish Government at the office of St. Tammany Parish Government, Department of Procurement, 21454 Koop Drive, Suite 2-F, Mandeville, LA 70471, until the time and date denoted in Notice to Bidders, at which time and place the Proposals (Bids), shall be publicly opened and read aloud to those present. In accordance with LSA-R.S. 38-2212(A)(3)(c)(i), the designer's final estimated cost of construction shall be read aloud upon opening bids. Sealed Proposals (Bids) may also be mailed by certified mail to St. Tammany Parish Government, Department of Procurement, 21454 Koop Drive, Suite 2-F, Mandeville, LA 70471, and must be received before the bid opening. Bids may also be submitted electronically. Information concerning links for electronic bidding is contained in the Notice to Bidders.

02.22 Proposals (Bids) shall be executed on Forms furnished and placed in a sealed envelope, marked plainly and prominently as indicated in the Notice to Bidders, and these General Conditions, and addressed:

St. Tammany Parish Government
Department of Procurement
21454 Koop Drive, Suite 2-F
Mandeville, LA 70471

02.23 Complete sets of Drawings, Specifications, and Contract Documents may be secured at the Office of the Owner. See Notice to Bidders for deposit schedule.

02.24 The successful bidder shall be required to post in each direction a public information sign, 4' x 8' in size, at the location of the project containing information required by the Owner. The Owner shall supply this information.

03.00 AWARD, EXECUTION OF DOCUMENTS, BONDS, ETC.

03.01 The award of the Contract, if it is awarded, will be to the lowest responsible Bidder, in accordance with State Law. No award will be made until the Owner has concluded such investigations as it deems necessary to establish the responsibility, qualifications and financial ability and stability of the Bidder to do the Work in accordance with the Contract Documents to the satisfaction of the Owner within the time prescribed as established by the Department based upon the amount of work to be performed and the conditions of same. The written contract and bond shall be issued in conformance with LSA-R.S. 38:2216. The Owner reserves the right to reject the Bid of any Bidder in accordance with the Public Bid Law, LSA-R.S. 38:2214. If the Contract is awarded, the Owner shall give the successful Bidder written notice of the award within forty-five (45) calendar days after the opening of the Bids in conformance with LSA-R.S. 38:2215(A), or any extension as authorized thereunder.

03.02 At least three counterparts of the Agreement and of such other Contract Documents as practicable shall be signed by the Owner and the Contractor. The Owner shall identify those portions of the Contract Documents not so signed and such identification shall be binding on both parties. The Owner and the Contractor shall each receive an executed counterpart of the Contract Documents.

03.03 Prior to the execution of the Agreement, the Contractor shall deliver to the Owner the required Bonds.

03.04 Failure of the successful Bidder to execute the Agreement and deliver the required Bonds within twenty (20) days of the Notice of the Award shall be just cause for the Owner to annul the award and declare the Bid and any guarantee thereof forfeited.

03.05 In order to ensure the faithful performance of each and every condition, stipulation and requirement of the Contract and to indemnify and save harmless the Owner from any and all damages, either directly or indirectly arising out of any failure to perform same, the successful Bidder to whom the Contract is awarded shall furnish a surety Bond in an amount of at least equal to one hundred percent (100%) of the Contract Price. The Contract shall not be in force or binding upon the Owner until such satisfactory Bond has been provided to and approved by the Parish. The cost of the Bond shall be paid for by the Contractor unless otherwise stipulated in the Special Provisions.

03.06 No surety Company will be accepted as a bondsman who has no permanent agent or representative in the State upon whom notices referred to in the General Conditions of these Specifications may be served. Services of said notice on said agent or representative in the State shall be equal to service of notice on the President of the Surety Company, or such other officer as may be concerned.

03.07 In conformance with LSA-R.S. 38:2219(A)(1)(a), (b), and (c):

> Any surety bond written for a public works project shall be written by a surety or insurance company currently on the U.S. Department of the Treasury Financial Management Service list of approved bonding companies which is published annually in the Federal Register, or by a Louisiana domiciled insurance company with at least an A- rating in the latest printing of the A.M. Best's Key Rating Guide, to write individual bonds up to ten percent of policyholders' surplus as shown in the A.M. Best's Key Rating Guide or by an insurance company that is either domiciled in Louisiana or owned by Louisiana residents and is licensed to write surety bonds.
>
> For any public works project, no surety or insurance company shall write a bond which is in excess of the amount indicated as approved by the U.S. Department of the Treasury Financial Management Service list or by a Louisiana domiciled insurance company with an A- rating by A.M. Best up to a limit of ten percent of policyholders' surplus as shown by A.M. Best; companies authorized by this Paragraph who are not on the treasury list shall not write a bond when the penalty exceeds fifteen percent of its capital and surplus, such capital and surplus being the amount by which the company's assets exceed its liabilities as reflected by the most recent financial statements filed by the company with the Department of Insurance.
>
> In addition, any surety bond written for a public works project shall be written by a surety or insurance company that is currently licensed to do business in the state of Louisiana. All contractors must comply with any other applicable provisions of LSA-R.S. 38:2219.

03.08 Should the Contractor's Surety, even though approved and accepted by the Owner, subsequently remove its agency or representative from the State or become insolvent, bankrupt, or otherwise fail, the Contractor shall immediately furnish a new Bond in another company approved by the Owner, at no cost to the Owner. The new Bond shall be executed under the same terms and conditions as the original Bond. The new bond shall be submitted within thirty (30) days of such time as the Owner notifies Contractor or from the time Contractor learns or has reason to know that the original surety is no longer financially viable or acceptable to the Parish, whichever occurs first. In the event that Contractor fails or refuses to timely secure additional surety, then the Owner may secure such surety and thereafter deduct such cost or expense from any sum due or to become due Contractor.

03.09 The Contractor's bondsman shall obligate itself to all the terms and covenants of these Specifications and of contracts covering the Work executed hereunder. The Owner reserves the right to do Extra Work or make changes by altering, adding to deducting from the Work under the conditions and in the manner herein before described without notice to the Contractor's surety and without in any manner affecting the liability of bondsman or releasing it from any of its obligations hereunder.

03.10 The Bond shall also secure for the Owner the faithful performance of the Contract in strict accordance with plans and Specifications. It shall protect the Owner against all lien laws of the State and shall provide for payment of reasonable attorney fees for enforcement of Contract and institution or concursus proceedings, if such proceedings become necessary. Likewise, it shall provide for all additional expenses of the Owner occurring through failure of the Contractor to perform.

03.11 The surety of the Contractor shall be and does hereby declare and acknowledge itself by acceptance to be bound to the Owner as a guarantor, jointly and in solido, with the Contractor, for fulfillment of terms of Section 03.00.

03.12 The performance Bond and Labor and Material Bond forming part of this Contract shall be continued by Contractor and its Surety for a period of one (1) year from date of acceptance of this Contract by Owner to assure prompt removal and replacement of all defective material, equipment, components thereof, workmanship, etc., and to assure payment of any damage to property of Owner or others as a result of such defective materials, equipment, workmanship, etc.

03.13 Contractor shall pay for the cost of recording the Contract and Bond and the cost of canceling same. Contractor shall also secure and pay for all Clear Lien and Privilege Certificates (together with any updates) which will be required before any final payment is made, and that may be required before any payment, at the request of the Owner, its representative, agent, architect, engineer and the like. All recordation and Clear Lien and Privilege Certificate requirements shall be in accordance with those requirements noted herein before in contract Specifications.

04.00 SUBCONTRACTS

04.01 Contractor shall be fully responsible for all acts and omissions of its Subcontractors and of persons and organizations for whose acts any of them may be liable to the same extent that it is responsible for the acts and omissions of persons directly employed by it. Nothing in the Contract Documents shall create any contractual relationship between Owner and any Subcontractor or other person or organization having a direct Contract with Contractor, nor shall it create any obligation on the part of the Owner to pay or to see to the payment of any monies due any Subcontractor.

04.02 Nothing in the Contract Documents shall be construed to control the Contractor in dividing the Work among approved Subcontractors or delineating the Work to be performed by any trade.

04.03 The Contractor agrees to specifically bind every Subcontractor to all of the applicable terms and conditions of the Contract Documents prior to commencing Work. Every Subcontractor, by undertaking to perform any of the Work, shall thereby automatically be deemed bound by such terms and conditions.

04.04 The Contractor shall indemnify and hold harmless the Owner and their agents and employees from and against all claims, damages, losses and expenses including Attorney's fees arising out of or resulting from the Contractor's failure to bind every Subcontractor and Contractor's surety to all of the applicable terms and conditions of the Contract Documents.

05.00 ASSIGNMENT

05.01 Neither party to this Contract shall assign or sublet its interest in this Contract without prior written consent of the other, nor shall the Contractor assign any monies due or to become due to it under this Contract without previous written consent of the Owner, nor without the consent of the surety unless the surety has waived its right to notice of assignment.

06.00 CORRELATION, INTERPRETATION AND INTENT OF CONTRACT DOCUMENTS.

06.01 It is the intent of the Specifications and Drawings to describe a complete Project to be constructed in accordance with the Contract Documents. The Contract Documents comprise the entire Agreement between Owner and Contractor. Alterations, modifications and amendments shall only be in writing between these parties.

06.02 The Contract Documents are intended to be complimentary and to be read *in pari materii*, and what is called for by one is as binding as if called for by all. If Contractor finds a conflict, error or discrepancy in the Contract Documents, it shall call it to the Owner's attention, in writing, at once and before proceeding with the Work affected thereby; however, it shall be liable to Owner for its failure to discover any conflict, error or discrepancy in the Specifications or Drawings. In resolving such conflicts, errors and discrepancies, the documents shall be given precedence in the following order: Agreement, Modifications, Addenda, Special Conditions, General Conditions, Construction Specifications and Drawings. The general notes on the plans shall be considered special provisions. Figure dimensions on Drawings shall govern over scale dimensions and detail Drawings shall govern over general Drawings. Where sewer connections are shown to fall on a lot line between two lots, the Contractor shall determine this location by measurement not by scale. Any Work that may reasonably be inferred from the Specifications or Drawings as being required to produce the intended result shall be supplied whether or not it is specifically called for. Work, materials or equipment described herein which so applied to this Project are covered by a well-known technical meaning or specification shall be deemed to be governed by such recognized standards unless specifically excluded.

06.03 Unless otherwise provided in the Contract Documents, the Owner will furnish to the Contractor (free of charge not to exceed ten (10) copies) Drawings and Specifications for the execution of Work. The Drawings and Specifications are the property of the Owner and are to be returned to it when the purpose for which they are intended have been served. The Contractor shall keep one copy of all Drawings and Specifications, including revisions, Addenda, details, Shop Drawings, etc. on the Work in good order and available to the Owner or the regulatory agency of the governmental body having jurisdiction in the area of the Work.

07.00 SHOP DRAWINGS, BROCHURES AND SAMPLES

07.01 After checking and verifying all field measurements, Contractor shall submit to Owner for approval, five copies (or at Owner's option, one reproducible copy) of all Shop Drawings, which shall have been checked by and stamped with the approval of Contractor and identified as Owner may require. The data shown on the Shop Drawings will be complete with respect to dimensions, design criteria, materials of construction and the like to enable Owner to review the information as required.

07.02 Contractor shall also submit to Owner, for review with such promptness as to cause no delay in Work, all samples as required by the Contract Documents. All samples will have been checked by and stamped with the approval of Contractor identified clearly as to material, manufacturer, any pertinent catalog numbers and the use for which intended. At the time of each submission, Contractor shall in writing call Owner's attention to any deviations that the Shop Drawings or samples may have from the requirements of the Contract Documents.

07.03 Owner will review with reasonable promptness Shop Drawings and samples, but its review shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The review of a separate item as such will not indicate approval of the assembly in which the item functions. Contractor shall make any corrections required by Owner and shall return the required number of corrected copies of Shop Drawings and resubmit new samples for review. Contractor shall direct specific attention in writing or on resubmitted Shop Drawings to revisions other than the corrections called for by Owner on previous submissions. Contractor's stamp of approval on any Shop Drawing or sample shall constitute a representation to Owner that Contractor has determined and verified all quantities, dimensions, field construction criteria, materials catalog numbers and similar data and thereafter assumes full responsibility for doing so, and that it has reviewed or coordinated each Shop Drawing or sample with the requirements of the Work and the Contract Documents.

07.04 Where a Shop Drawing or sample submission is required by the Specifications, no related Work shall be commenced until the submission has been reviewed by Owner. A copy of each reviewed shop Drawing and each inspected sample shall be kept in good order by Contractor at the site and shall be available to Owner.

07.05 Owner's review of Shop Drawings or samples shall not relieve Contractor from its responsibility for any deviations from the requirements of the Contract Documents unless Contractor has in writing called Owner's attention to such deviation at the time of submission and Owner has given written approval to the specific deviation, nor shall any review by Owner relieve Contractor from responsibility for errors or omissions in the Shop Drawings. The mere submittal of shop drawings which contain deviations from the requirements of plans, specifications and/or previous submittals in itself does not satisfy this requirement.

08.00 RECORD DRAWINGS

08.01 The Contractor shall keep an accurate record in a manner approved by the Owner of all changes in the Contract Documents during construction. In Work concerning underground utilities, the Contractor shall keep an accurate record in a manner approved by the Owner of all valves, fittings, etc. Before the Work is accepted by the Owner, and said acceptance is recorded, the Contractor shall furnish the Owner a copy of this record.

08.02 Contractor shall keep an accurate drawing measured in the field to the nearest 0.1' of the location of all sewer house connections. The location shown shall be the end of the connection at the property line measured along the main line of pipe from a manhole.

08.03 Contractor shall keep an accurate drawing of the storm water drainage collection system. Inverts to the nearest 0.01' and top of castings shall be shown as well as location of all structures to the nearest 0.1'. Upon completion of the Work, the plan will be given to the Owner.

09.00 PROGRESS OF WORK

09.01 Contractor shall conduct the Work in such a professional manner and with sufficient materials, equipment and labor as is considered necessary to ensure its completion within the time limit specified.

09.02 The Owner shall issue a Notice to Proceed to the Contractor within twenty (20) calendar days from the date of execution of the Contract. Upon mutual consent by both parties, the Notice to Proceed may be extended. The Contractor is to commence Work under the Contract within ten (10) calendar days from the date the Notice to Proceed is issued by the Owner.

09.03 The Contractor, immediately after being awarded the Contract, shall prepare and submit for the Owner's approval an estimated progress schedule for the work to be performed, as well as a construction signing layout for all roads within the project area. The Contractor shall not start work or request partial payment until the work schedule has been submitted to the Owner for approval.

09.04 Revisions to the original schedule will be made based on extension of days granted for inclement weather or change orders issued under the contract. No other revision shall be made which affects the original completion or updated completion date, whichever is applicable.

09.05 Failure of the Contractor to submit an estimated progress schedule or to complete timely and on schedule the Work shown on the progress schedule negates any and all causes or claims by the Contractor for accelerated completion damages. These accelerated damage claims shall be deemed forfeited.

09.06 Meetings will be held as often as necessary to expedite the progress of the job. Meetings will be held during normal working hours at the jobsite and shall be mandatory for the Contractor and all Sub-Contractors working on the project. Meetings may be requested by the Owner at any time and at the discretion of the Owner.

10.00 OWNER'S RIGHT TO PROCEED WITH PORTIONS OF THE WORK

10.01 Upon failure of the Contractor to comply with any notice given in accordance with the provisions hereof, the Owner shall have the alternative right, instead of assuming charge of the entire Work, to place additional forces, tools, equipment and materials on parts of the Work. The cost incurred by the Owner in carrying on such parts of the Work shall be payable by the Contractor. Such Work shall be deemed to be carried on by the Owner on account of the Contractor. The Owner may retain all amounts of the cost of such Work from any sum due Contractor or those funds that may become due to Contractor under this Agreement.

10.02 Owner may perform additional Work related to the Project by itself or it may let any other direct contract which may contain similar General Conditions. Contractor shall afford the other contractors who are parties to such different contracts (or Owner, if it is performing the additional Work itself) reasonable opportunity for the introduction and storage of materials and equipment and the execution of Work, and shall properly connect and coordinate its Work with the subsequent work.

10.03 If any part of Contractor's Work depends upon proper execution or results upon the Work of any such other contractor (or Owner), Contractor shall inspect and promptly report to Owner in writing any defects or deficiencies in such Work that render it unsuitable for such proper execution and results. Failure to so report shall constitute an acceptance of the other Work as fit and proper for the relationship of its Work except as to defects and deficiencies which may appear in the other Work after the execution of its Work.

10.04 Whatever Work is being done by the Owner, other Contractors or by this Contractor, the parties shall respect the various interests of the other parties at all times. The Owner may, at its sole discretion, establish additional rules and regulations concerning such orderly respect of the rights of various interests.

10.05 Contractor shall do all cutting, fitting and patching of its Work that may be required to integrate its several parts properly and fit to receive or be received by such other Work. Contractor shall not endanger any Work of others by cutting, excavating or otherwise altering Work and will only alter Work with the written consent of Owner and of the other contractors whose Work will be affected.

10.06 If the performance of additional Work by other contractors or Owner is not noted in the Contract Documents, written notice thereof shall be given to Contractor prior to starting any such additional Work. If Contractor believes that the performance of such additional Work by Owner or others may cause additional expense or entitles an extension of the Contract Time, the Contractor may make a claim therefor. The claim must be in writing to the Owner within thirty (30) calendar days of receipt of notice from the Owner of the planned additional Work by others.

11.00 TIME OF COMPLETION

11.01 The Notice to Proceed will stipulate the date on which the Contractor shall begin work. That date shall be the beginning of the Contract Time charges.

11.02 Contractor shall notify the Owner through its duly authorized representative, in advance, of where Contractor’s work shall commence each day. A daily log shall be maintained by Contractor to establish dates, times, persons contacted, and location of work. Specific notice shall be made to the Owner if the Contractor plans to work on Saturday, Sunday, or a Parish approved holiday. If notice is not received, no consideration will be given for inclement weather and same shall be considered a valid work day.

11.03 The Work covered by the Plans, Specifications and Contract Documents must be completed sufficiently for acceptance within the number of calendar days specified in the Proposal and/or the Contract, commencing from the date specified in the Notice to Proceed. It is hereby understood and mutually agreed, by and between the Contractor and the Owner, that the time of completion is an essential condition of this Contract, and it is further mutually understood and agreed that if the Contractor shall neglect, fail or refuse to complete the Work within the time specified, or any proper extension thereof granted by the Owner, then the Contractor does hereby agree, as partial consideration for the awarding of this Contract, to pay the Owner based on **Table 3.1** as specified in the Contract, not as

a penalty, but as liquidated damages for such breach of contract for each and every calendar day that the Contractor shall be in default after the time stipulated in the Contract for completing the Work. It is specifically understood that the Owner shall also be entitled to receive a reasonable attorney fee and all costs in the event that Contractor fails to adhere to this agreement and this contract is referred to counsel for any reason whatsoever. Reasonable attorney fees shall be the prevailing hourly rate of the private sector, and in no event shall the hourly rate be less than $175.00 per hour. All attorney fees shall be paid to the operating budget of the Office of the Parish President.

11.04 Prior to final payment, the Contractor may, in writing to the Owner, certify that the entire Project is substantially complete and request that the Owner or its agent issue a certificate of Substantial Completion. See Section 29.00.

11.05 The Owner may grant an extension(s) of time to the Contractor for unusual circumstances which are beyond the control of the Contractor and could not reasonably be foreseen by the Contractor prior to Bidding. Any such request must be made in writing to the Owner within seven (7) calendar days following the event occasioning the delay. The Owner shall have the exclusive and unilateral authority to determine, grant, and/or deny the validity of any such claim.

11.06 Extensions of time for inclement weather shall be processed as follows:

Commencing on the start date of each job, the Parish Inspector assigned to same shall keep a weekly log, indicating on each day whether inclement weather has prohibited the Contractor from working on any project within the specific job, based upon the following:

1. Should the Contractor prepare to begin work on any day in which inclement weather, or the conditions resulting from the weather, prevent work from beginning at the usual starting time, and the crew is dismissed as a result, the Contractor will not be charged for a working day whether or not conditions change during the day and the rest of the day becomes suitable for work.

2. If weather conditions on the previous day prevent Contractor from performing work scheduled, provided that no other work can be performed on any project within the package. The Parish Inspector shall determine if it is financially reasonable to require the Contractor to deviate from the schedule and relocate to another location.

3. If the Contractor is unable to work at least 60% of the normal work day due to inclement weather, provided that a normal working force is engaged on the job.

Any dispute of weather conditions as related to a specific job shall be settled by records of the National Weather Service.

11.07 Extensions of time for change orders

When a change order is issued, the Owner and Contractor will agree on a reasonable time extension, if any, to implement such change. Consideration shall be given for, but not limited to, the following:

1. If material has to be ordered;
2. Remobilization and or relocation of equipment to perform task; and
3. Reasonable time frame to complete additional work.

Time extensions for change orders shall be reflected on the official document signed by the Owner and Contractor.

11.08 At the end of each month, the Owner or its agent will furnish to the Contractor a monthly statement which reflects the number of approved days added to the contract. The Contractor will be allowed fourteen (14) calendar days in which to file a written protest setting forth in what respect the monthly statement is incorrect; otherwise, the statement shall be considered accepted by the Contractor as correct.

11.09 Apart from extension of time for unavoidable delays, no payment or allowance of any kind shall be made to the Contractor as compensation for damages because of hindrance or delay for any cause in the progress of the Work, whether such delay be avoidable or unavoidable.

12.00 LIQUIDATED DAMAGES

12.01 In case the Work is not completed in every respect within the time that may be extended, it is understood and agreed that per diem deductions per **Table 3.1** for liquidated damages, as stipulated in the Proposal and/or Contract, shall be made from the total Contract Price for each and every calendar day after and exclusive of the day on which completion was required, and up to the completion of the Work and acceptance thereof by the Owner. It is understood and agreed that time is of the essence to this Contract, and the above sum being specifically herein agreed upon in advance as the measure of damages to the Owner on account of such delay in the completion of the Work. It is further agreed that the expiration of the term herein assigned or as may be extended for performing the Work shall, *ipso facto*, constitute a putting in default, the Contractor hereby waiving any and all notice of default. The Contractor agrees and consents that the Contract Price, reduced by the aggregate of the entire damages so deducted, shall be accepted in full satisfaction of all Work executed under this Contract. It is further understood and agreed that Contractor shall be liable for a reasonable attorney fee and all costs associated with any breach of this agreement, including but not limited to this subsection. In the event that any dispute or breach herein causes referrals to counsel, then Contractor agrees to pay a reasonable attorney fee at the prevailing hourly rate of the private sector. In no event shall the hourly rate be less than $175.00 per hour.

13.00 LABOR, MATERIALS, EQUIPMENT, SUPERVISION, PERMITS AND TAXES

13.01 The Contractor shall provide and pay for all labor, materials, equipment, supervision, subcontracting, transportation, tools, fuel, power, water, sanitary facilities and all incidentals necessary for the completion of the Work in substantial conformance with the Contract Documents.

13.02 The Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. It shall at all times maintain good discipline and order at the site.

13.03 Unless otherwise specifically provided for in the Specifications, all workmanship, equipment, materials, and articles incorporated in the Work covered by this Contract are to be new and of the best grade of their respective kinds for the purpose intended. Samples of materials furnished under this Contract shall be submitted for approval to the Owner when and as directed.

13.04 Whenever a material or article required is specified or shown on the plans by using the name of a proprietary product or of a particular manufacturer or Contractor, any material or article which shall perform adequately the duties imposed by the general design will be considered equal, and satisfactory, providing the material or article so proposed is of equal substance and function and that all technical data concerning the proposed substitution be approved by the Owner prior to the Bidding. The Owner shall have the exclusive and unilateral discretion to determine quality and suitability in accordance with LSA-R.S. 38:2212(T)(2).

13.05 Materials shall be properly and securely stored so as to ensure the preservation of quality and fitness for the Work, and in a manner that leaves the material accessible to inspection. Materials or equipment may not be stored on the site in a manner such that it will interfere with the continued operation of streets and driveways or other contractors working on the site.

13.06 The Contractor, by entering into the Contract for this Work, sets itself forth as an expert in the field of construction and it shall supervise and direct the Work efficiently and with its best skill and attention. It shall be solely responsible for the means, methods, techniques, sequences and procedures of construction.

13.07 Contractor shall keep on the Work, at all times during its progress, a competent resident Superintendent, who shall not be replaced without written Notice to Owner except under

extraordinary circumstances. The Superintendent will be Contractor's representative at the site and shall have authority to act on behalf of Contractor. All communications given to the Superintendent shall be as binding as if given to the Contractor. Owner specifically reserves the right to approve and/or disapprove the retention of a new superintendent, all to not be unreasonably withheld.

13.08 Any foreman or workman employed on this Project who disregards orders or instructions, does not perform his Work in a proper and skillful manner, or is otherwise objectionable, shall, at the written request of the Owner, be removed from the Work and shall be replaced by a suitable foreman or workman.

13.09 The Contractor and/or its assigned representative shall personally ensure that all subcontracts and divisions of the Work are executed in a proper and workmanlike manner, on scheduled time, and with due and proper cooperation.

13.10 Failure of the Contractor to keep the necessary qualified personnel on the Work shall be considered cause for termination of the Contract by the Owner.

13.11 Only equipment in good working order and suitable for the type of Work involved shall be brought onto the job and used by the Contractor. The Contractor is solely responsible for the proper maintenance and use of its equipment and shall hold the Owner harmless from any damages or suits for damages arising out of the improper selection or use of equipment. No piece of equipment necessary for the completion of the Work shall be removed from the job site without approval of the Owner.

13.12 All Federal, State and local taxes due or payable during the time of Contract on materials, equipment, labor or transportation, in connection with this Work, must be included in the amount bid by the Contractor and shall be paid to proper authorities before acceptance. The Contractor shall furnish all necessary permits and certificates and comply with all laws and ordinances applicable to the locality of the Work. The cost of all inspection fees levied by any governmental entity whatsoever shall be paid for by the Contractor.

13.13 In accordance with St. Tammany Police Jury Resolution 86-2672, as amended, the Contractor must provide in a form suitable to the Owner an affidavit stating that all applicable sales taxes for materials used on this project have been paid.

13.14 During the period that this Contract is in force, neither party to the Contract shall solicit for employment or employ an employee of the other.

13.15 All materials or equipment shown on the Drawings or included in these specifications shall be furnished unless written approval of a substitute is obtained from the Designer, or Owner if no separate designer.

13.16 If a potential supplier wishes to submit for prior approval a particular product other than a product specified in the contract documents, he shall do so no later than fourteen working days prior to the opening of bids. Within ten days, exclusive of holidays and weekends, after such submission, the prime design professional shall furnish to both the public entity and the potential supplier written approval or denial of the product submitted. The burden of proof of the equality of the proposed substitute is upon the proposer and only that information formally submitted shall be used by the Designer in making its decision.

13.17 The decision of the Designer/Owner shall be given in good faith and shall be final.

14.00 QUANTITIES OF ESTIMATE, CHANGES IN QUANTITIES, EXTRA WORK

14.01 Whenever the estimated quantities of Work to be done and materials to be furnished under this Contract are shown in any of the documents, including the Proposal, such are given for use in comparing Bids and the right is especially reserved, except as herein otherwise specifically limited, to increase or diminish same not to exceed twenty-five percent (25%) by the Owner to complete the Work contemplated by this Contract. Such increase or diminution shall in no way vitiate this Contract, nor shall such increase or diminution give cause for claims or liability for damages.

14.02 The Owner shall have the right to make alterations in the line, grade, plans, form or dimensions of the Work herein contemplated, provided such alterations do not change the

total cost of the Project, based on the originally estimated quantities, and the unit prices bid by more than twenty-five percent (25%) and provided further that such alterations do not change the total cost of any major item, based on the originally estimated quantities and the unit price bid by more than twenty-five (25%). (A major item shall be construed to be any item, the total cost of which is equal to or greater than ten percent (10%) of the total Contract Price, computed on the basis of the Proposal quantity and the Contract unity price). Should it become necessary, for the best interest of the Owner, to make changes in excess of that herein specified, the same shall be covered by supplemental agreement either before or after the commencement of the Work and without notice to the sureties. If such alterations diminish the quantity of Work to be done, such shall not constitute a claim for damages for anticipated profits for the Work dispensed with, but when the reduction in amount is a material part of the Work contemplated, the Contractor shall be entitled to only reasonable compensation as determined by the Owner for overhead and equipment charges which it may have incurred in expectation of the quantity of Work originally estimated, unless specifically otherwise provided herein; if the alterations increase the amount of Work, the increase shall be paid according to the quantity of Work actually done and at the price established for such Work under this Contract except where, in the opinion of the Owner, the Contractor is clearly entitled to extra compensation.

14.03 Without invalidating the Contract, the Owner may order Extra Work or make changes by altering, adding to, or deducting from the Work, the Contract sum being adjusted accordingly. The consent of the surety must first be obtained when necessary or desirable, all at the exclusive discretion of the Owner. All the Work of the kind bid upon shall be paid for at the price stipulated in the Proposal, and no claims for any Extra Work or material shall be allowed unless the Work is ordered in writing by the Owner.

14.04 Extra Work for which there is no price or quantity included in the Contract shall be paid for at a unit price or lump sum to be agreed upon in advance in writing by the Owner and Contractor. Where such price and sum cannot be agreed upon by both parties, or where this method of payment is impracticable, the Owner may, at its exclusive and unilateral discretion, order the Contractor to do such Work on a Force Account Basis.

14.05 In computing the price of Extra Work on a Force Account Basis, the Contractor shall be paid for all foremen and labor actually engaged on the specific Work at the current local rate of wage for each and every hour that said foremen and labor are engaged in such Work, plus ten percent (10%) of the total for superintendence, use of tools, overhead, direct & indirect costs/expenses, pro-rata applicable payroll taxes, pro-rata applicable workman compensation benefits, pro-rata insurance premiums and pro-rata reasonable profit. The Contractor shall furnish satisfactory evidence of the rate or rates of such insurance and tax. The Contractor will not be able to collect any contribution to any retirement plans or programs.

14.06 For all material used, the Contractor shall receive the actual cost of such material delivered at the site of the Work, as shown by original receipted bill, to which shall be added five percent (5%). There will be absolutely no additional surcharges or additional fees attached hereto with respect to this subsection.

14.07 For any equipment used that is owned by the Contractor, the Contractor shall be allowed a rental based upon the latest prevailing rental price, but not to exceed a rental price as determined by the Associated Equipment Distributors (A.E.D. Green Book).

14.08 The Contractor shall also be paid the actual costs of transportation for any equipment which it owns and which it has to transport to the Project for the Extra Work. There will be absolutely no additional surcharges or additional fees attached hereto with respect to this subsection.

14.09 If the Contractor is required to rent equipment for Extra Work, but not required for Contract items, it will be paid the actual cost of rental and transportation of such equipment to which no percent shall be added. The basis upon which rental cost are to be charged shall be agreed upon in writing before the Work is started. Actual rental and transportation costs shall be obtained from receipted invoices and freight bills.

14.10 No compensation for expenses, fees or costs incurred in executing Extra Work, other than herein specifically mentioned herein above, will be allowed.

14.11 A record of Extra Work on Force Account basis shall be submitted to the Owner on the day following the execution of the Work, and no less than three copies of such record shall be made on suitable forms and signed by both the Owner or his representative on the Project and the Contractor. All bids for materials used on extra Work shall be submitted to the Owner by the Contractor upon certified statements to which will be attached original bills covering the costs of such materials.

14.12 Payment for Extra Work of any kind will not be allowed unless the same has been ordered in writing by the Owner.

15.00 STATUS OF THE ENGINEER (NOT APPLICABLE)

16.00 INJURIES TO PERSONS AND PROPERTY

16.01 The Contractor shall be held solely and exclusively responsible for all injuries to persons and for all damages to the property of the Owner or others caused by or resulting from the negligence of itself, its employees or its agents, during the progress of or in connection with the Work, whether within the limits of the Work or elsewhere under the Contract proper or as Extra Work. This requirement will apply continuously and not be limited to normal working hours or days. The Owner's construction review is for the purpose of checking the Work product produced and does not include review of the methods employed by the Contractor or to the Contractor's compliance with safety measures of any nature whatsoever. The Contractor agrees to pay a reasonable attorney fee and other reasonable attendant costs of the Owner in the event it becomes necessary for the Owner to employ an attorney to enforce this section or to protect itself against suit over the Contractor's responsibilities. Attorney fees shall be at the prevailing hourly rate of the private sector. The attorney fee hourly rate shall not be less than $175.00 per hour. All attorney fees collected shall be paid to the operating budget of the Office of the Parish President.

16.02 The Contractor must protect and support all utility infrastructures or other properties which are liable to be damaged during the execution of its Work. It shall take all reasonable and proper precautions to protect persons, animals and vehicles or the public from the injury, and wherever necessary, shall erect and maintain a fence or railing around any excavation, and place a sufficient number of lights about the Work and keep same burning from twilight until sunrise, and shall employ one or more watchmen as an additional security whenever needed. The Contractor understands and agrees that the Owner may request that security be placed on the premises to ensure and secure same. The Owner shall exclusive authority to request placement of such security. Contractor agrees to retain and place security as requested, all at the sole expense of Contractor. Additional security shall not be considered a change order or reason for additional payment by the Owner. The Contractor must, as far as practicable and consistent with good construction, permit access to private and public property and leave fire hydrants, catch basins, streets, etc., free from encumbrances. The Contractor must restore at its own expense all injured or damaged property caused by any negligent act of omission or commission on its part or on the part of its employees or subcontractors, including, but not limited to, sidewalks, curbing, sodding, pipes conduits, sewers, buildings, fences, bridges, retaining walls, tanks, power lines, levees or any other building or property whatsoever to a like condition as existed prior to such damage or injury.

16.03 In case of failure on the part of the Contractor to restore such property or make good such damage, the Owner may upon forty-eight (48) hours' notice proceed to repair or otherwise restore such property as may be deemed necessary, and the cost thereof will be deducted from any monies due or which may become due under its Contract.

16.04 Contractor agrees to protect, defend, indemnify, save, and hold harmless St. Tammany Parish Government, its elected and appointed officials, departments, agencies, boards and commissions, their officers, agents servants, employees, including volunteers, from and against any and all claims, demands, expense and liability arising out of injury or death to any person or the damage, loss or destruction of any property to the extent caused by any negligent act or omission or willful misconduct of Contractor, its agents, servants, employees, and subcontractors, or any and all costs, expense and/or attorney fees incurred by St. Tammany Parish Government as a result of any claim, demands, and/or causes of action that results from the negligent performance or non-performance by Contractor, its agents, servants, employees, and subcontractors of this contract. Contractor agrees to investigate, handle, respond to, provide defense for and defend any such claims, demand,

or suit at its sole expense and agrees to bear all other costs and expenses related thereto caused by any negligent act or omission or willful misconduct of Contractor, its agents, servants, employees, and subcontractors.

16.05 As to any and all claims against Owner, its agents, assigns, representatives or employees by any employee of Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts as may be liable, the indemnification obligation under Paragraph 16.04 shall not be limited in any way or by any limitation on the amount or type of damages, compensation or benefits payable by or for Contractor or any Subcontractor under workmen's compensation acts, disability benefit acts or other employee benefit acts.

16.06 No road shall be closed by the Contractor to the public except by written permission of the Owner. If so closed, the Contractor shall maintain traffic over, through and around the Work included in his Contract, with the maximum practical convenience, for the full twenty-four hours of each day of the Contract, whether or not Work has ceased temporarily. The Contractor shall notify the Owner at the earliest possible date after the Contract has been executed and, in any case, before commencement of any construction that might in any way inconvenience or endanger traffic, in order that necessary and suitable arrangements may be determined. Any and all security, maintenance, labor or costs associated with traffic control herein shall be at the sole expense of Contractor. This expense shall be paid directly by the Contractor. This expense shall not be considered as a change order nor shall it allow the Contractor any additional cost reimbursement whatsoever. All traffic deviations herein shall be coordinated with the appropriate law enforcement officials of this Parish.

16.07 The convenience of the general public and residents along the Works shall be provided for in a reasonable, adequate and satisfactory manner. Where existing roads are not available as detours, and unless otherwise provided, all traffic shall be permitted to pass through the Work. In all such cases, the public shall have precedence over Contractor's vehicles insofar as the traveling public's vehicles shall not be unduly delayed for the convenience of the Contractor. In order that all unnecessary delay to the traveling public may be avoided, the Contractor shall provide and station competent flagmen whose sole duties shall consist of directing and controlling the movement of public traffic either through or around the Work. Any and all security, maintenance, labor or costs associated with traffic control herein shall be at the sole expense of Contractor. This expense shall be paid directly by the Contractor. This expense shall not be considered as a change order nor shall it allow the Contractor any additional cost reimbursement whatsoever. All traffic deviations herein shall be coordinated with the appropriate law enforcement officials of this Parish.

16.08 The Contractor shall arrange its Work so that no undue or prolonged blocking of business establishments will occur.

16.09 Material and equipment stored on the right of way or work site shall be so placed and the Work at times shall be so conducted as to ensure minimum danger and obstruction to the traveling public.

16.10 During grading operations when traffic is being permitted to pass through construction, the Contractor shall provide a smooth, even surface that will provide a satisfactory passageway for use of traffic. The road bed shall be sprinkled with water if necessary to prevent a dust nuisance, provided the dust nuisance is a result of the Work.

16.11 Fire hydrants shall be accessible at all times to the Fire Department. No material or other obstructions shall be placed closer to a fire hydrant than permitted by ordinances, rules or regulations or within fifteen (15) feet of a fire hydrant, in the absence of such ordinance, rules or regulations.

16.12 The Contractor shall not, without the written permission of the Owner, do Work for a resident or property owner abutting the Work at the time that this Work is in progress.

16.13 No Work of any character shall be commenced on railroad right-of-way until the Railroad Company has issued a permit to the Owner and has been duly notified by the Contractor in writing (with a copy forwarded to the Owner) of the date it proposes to begin Work, and until an authorized representative of the Railroad Company is present, unless the Railroad Company waives such requirements. All Work performed by the Contractor within the

right-of-way limits of the railroad shall be subject to the inspection and approval of the chief engineer of the Railroad Company or its authorized representative. Any precautions considered necessary by said chief engineer to safeguard the property, equipment, employees and passengers of the Railroad Company shall be taken by the Contractor without extra compensation. The Contractor shall, without extra compensation, take such precautions and erect and maintain such tell-tale or warning devices as the Railroad Company considers necessary to safeguard the operation of its trains. The temporary vertical and horizontal clearance specified by the chief engineer of the Railroad Company in approving these shall be maintained at all times. No steel, brick, pipe or any loose material shall be left on the ground in the immediate vicinity of the railway track. Before any Work is done within Railroad right of way, the Contractor shall provide and pay all costs of any special insurance requirements of the Railroad.

16.14 The Contractor, shall, without extra compensation, provide, erect, paint and maintain all necessary barricades. Also, without extra compensation, the Contractor shall provide suitable and sufficient lights, torches, reflectors or other warning or danger signals and signs, provide a sufficient number of watchmen and flagmen and take all the necessary precautions for the protection of the Work and safety of the Public.

16.15 The Contractor shall erect warning signs beyond the limits of the Project, in advance of any place on the Project where operations interfere with the use of the road by traffic, including all intermediate points where the new Work crosses or coincides with the existing road. All barricades and obstructions shall be kept well painted and suitable warning signs shall be placed thereon. All barricades and obstructions shall be illuminated at night and all lights or devices for this purpose shall be kept burning from sunset to sunrise.

16.16 Whenever traffic is maintained through or over any part of the Project, the Contractor shall clearly mark all traffic hazards. No direct payment will be made for barricades, signs and illumination therefore or for watchmen or flagmen.

16.17 The Contractor will be solely and completely responsible for conditions on the job site, including safety of all persons and property during performance of the Work. This requirement will apply continuously and not be limited to normal working hours. The duty of the Owner to conduct construction review of the Contractor's performance is not intended to include review of the adequacy of the Contractor's safety measures, in, or near the construction site.

17.00 SANITARY PROVISIONS

17.01 The Contractor shall provide and maintain in a neat, sanitary condition such accommodations for the use of its employees as may be necessary to comply with the rules and regulations of the State Health Agency or of the other authorities having jurisdiction and shall permit no public nuisance.

18.00 RIGHTS OF WAY

18.01 The Owner will furnish the Contractor with all necessary rights-of-way for the prosecution of the Work. The rights of way herein referred to shall be taken to mean only permission to use or pass through the locations or space in any street, highway, public or private property in which the Contractor is to prosecute the Work.

18.02 It is possible that all lands and rights of way may not be obtained as herein contemplated before construction begins, in which event the Contractor shall begin its Work upon such land and rights of way as the Owner may have previously acquired. Any delay in furnishing these lands by the Owner can be deemed proper cause for adjustment in the Contract amount and/or in the time of completion.

19.00 PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE

19.01 The Contractor shall not enter upon private property for any purpose without first obtaining permission from the Owner, as well as the private property owner and/or and private property Lessees. The Contractor shall use every precaution necessary for the preservation of all public and private property, monuments, highway signs, telephone lines, other utilities, etc., along and adjacent to the Work; the Contractor shall use every precaution necessary to prevent damage to pipes, conduits, and other underground structures; and shall

protect carefully from disturbance or damage all land monuments and property marks until an authorized agent has witnessed or otherwise referenced their location and shall not remove them until directed. The street and highway signs and markers that are to be affected by the Work shall be carefully removed when the Work begins and stored in a manner to keep them clean and dry. The Contractor must obtain all necessary information in regard to existing utilities and shall give notice in writing to the owners or the proper authorities in charge of streets, gas, water, pipes, electric, sewers and other underground structures, including conduits, railways, poles and pole lines, manholes, catch basins, fixtures, appurtenances, and all other property that may be affected by the Contractor's operations, at least forty-eight (48) hours before its operations will affect such property. The Contractor shall not hinder or interfere with any person in the protection of such Work or with the operation of utilities at any time. When property, the operation of railways, or other public utilities are endangered, the Contractor shall at its own expense, maintain flagmen or watchmen and any other necessary precautions to avoid interruption of service or damage to life or property, and it shall promptly repair, restore, or make good any injury or damage caused by its negligent operations in an acceptable manner. The Contractor must also obtain all necessary information in regard to the installation of new cables, conduits, and transformers, and make proper provisions and give proper notifications, in order that same can be installed at the proper time without delay to the Contractor or unnecessary inconvenience to the Owner.

19.02 The Contractor shall not remove, cut or destroy trees, shrubs, plants, or grass that are to remain in the streets or those which are privately owned, without the proper authority. Unless otherwise provided in the Special Provisions or the Proposal, the Contractor shall replace and replant all plants, shrubs, grass and restore the grounds back to its original good condition to the satisfaction of the Owner and/or the property owner. The Contractor shall assume the responsibility of replanting and guarantees that plants, shrubs, grass will be watered, fertilized and cultivated until they are in a growing condition. No direct payment will be made for removing and replanting of trees, shrubs, plants or grass unless such items are set forth in the Proposal.

19.03 When or where direct damage or injury is done to public or private property by or on account of any negligent act, omission, neglect or otherwise of the Contractor, it shall make good such damage or injury in an acceptable manner.

20.00 CONTRACTORS RESPONSIBILITY FOR WORK

20.01 Until final acceptance of the Work by the Owner as evidence by approval of the final estimate, the Work shall be in the custody and under the charge and care of the Contractor and it shall take every necessary precaution against injury or damage to any part thereof by the action of the elements or from the non-execution of the Work; unless otherwise provided for elsewhere in the Specifications or Contract. The Contractor shall rebuild, repair, restore and make good, without extra compensation, all injuries or damages to any portion of the Work occasioned by any of the above causes before its completion and acceptance, and shall bear the expenses thereof. In case of suspension of the Work from any cause whatever, the Contractor shall be responsible for all materials and shall properly and securely store same, and if necessary, shall provide suitable shelter from damage and shall erect temporary structures where necessary. If in the exclusive discretion of the Owner, any Work or materials shall have been damaged or injured by reason of failure on the part of the Contractor or any of its Subcontractors to so protect the Work, such materials shall be removed and replaced at the sole expense of the Contractor. Such amount shall be deducted from any sum due or to be due Contractor.

20.02 The Contractor shall give all notice and comply with all Federal, State, and local laws, ordinances, and regulations in any manner affecting the conduct of the Work, and all such orders and decrees as exist, or may be enacted by bodies or tribunals having any jurisdiction or authority over the Work, and shall indemnify and hold harmless the Owner against any claim or liability arising from, or based on, the violation of any such law, ordinance, regulation, order or decree, whether by itself, its employees or Subcontractors.

21.00 TESTS AND INSPECTIONS CORRECTION & REMOVAL OF DEFECTIVE WORK

21.01 Contractor warrants and guarantees to Owner that all materials and equipment will be new unless otherwise specified and that all Work will be of good quality and free from faults or defects and in accordance with the requirements of the Contract Documents. All

unsatisfactory Work, all faulty or Defective Work and all Work not conforming to the requirements of the Contract Documents at the time of acceptance shall be considered Defective. Prompt and reasonable notice of all defects shall be given to the Contractor.

21.02 If the Contract Documents, laws, ordinances, rules, regulations or orders of any public authority having jurisdiction require any Work to specifically be inspected, tested or approved by some public body, Contractor shall assume full responsibility therefor, pay all costs in connection therewith and furnish Owner the required certificates of inspection, testing or approval. All other inspections, tests and approval required by the Contract Documents shall be performed by organizations acceptable to Owner and Contractor and the costs thereof shall be borne by the Contractor unless otherwise specified.

21.03 Contractor shall give Owner timely notice of readiness of the Work for all inspections, tests or approvals. If any such Work required to be inspected, tested or approved is covered without written approval of Owner, it must, if requested by Owner, be uncovered for observation, and such uncovering shall be at Contractor's expense unless Contractor has given Owner timely notice of its intention to cover such Work and Owner has not acted with reasonable promptness in response to such notice.

21.04 Neither observations by Owner nor inspections, tests or approvals shall relieve Contractor from its obligations to perform the Work in accordance with the requirements of the Contract Document.

21.05 Owner and its representatives will at reasonable times have access to the Work. Contractor shall provide proper and safe facilities for such access and observation of the Work and also for any inspection or testing thereof by others.

21.06 If any Work is covered contrary to the written request of Owner, it must, be uncovered for Owner’s observation and replaced at Contractor's expense. If any Work has been covered which Owner has not specifically requested to observe prior to its being covered, or if Owner considers it necessary or advisable that covered Work be inspected or tested by others, the Contractor, at Owner's request, shall uncover, expose or otherwise make available for observations, inspections or testing as Owner may require, that portion of the Work in question, furnishing all necessary labor, material and equipment. If it is found that such Work is Defective, Contractor shall bear all the expenses of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, including compensation for additional professional services, and an appropriate deductive Change Order shall be issued. If, however, such Work is not found to be Defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction.

21.07 If the Work is Defective, or Contractor fails to supply sufficient skilled workmen or suitable materials or equipment, or if the Contractor fails to make prompt payments to Subcontractors or for labor, materials or equipment, Owner may order Contractor to stop the Work, or any portion thereof, until the cause of such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor or any other party.

21.08 Prior to approval of final payment, Contractor shall promptly, without cost to Owner and as specified by Owner, either correct any Defective Work, whether or not fabricated, installed or completed, or if the Work has been rejected by Owner, remove it from the site and replace it with non-defective Work. If Contractor does not correct such Defective Work or remove and replace such rejected Work within a reasonable time, all as specified in a written notice from Owner, Owner may have the deficiency corrected or the rejected Work removed and replaced. All direct or indirect costs of such correction or removal and replacement including compensation for additional professional services shall be paid by Contractor, and an appropriate deductive Change Order shall be issued. Contractor shall also bear the expense of making good all Work of others destroyed or damaged by its correction, removal or replacement of its Defective Work.

21.09 If, after the approval of final payment and prior to the expiration of one year after the date of Substantial Completion or such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the Contract Documents, any Work is found to be Defective, Contractor shall promptly, without cost to Owner and in

accordance with Owner's written instructions, either correct such Defective Work or if it has been rejected by Owner, remove it from the site and replace it with non-defective Work. If Contractor does not promptly comply with the terms of such instructions, Owner may have the Defective Work corrected or the rejected Work removed and replaced, and all direct and indirect costs of such removal and replacement, including compensation for additional professional services, shall be paid by Contractor. The Contractor agrees to pay a reasonable attorney fee and other reasonable attendant costs of the Owner in the event it becomes necessary for the Owner to employ an attorney to enforce this section or to protect itself against suit over the Contractor's responsibilities. Attorney fees shall be at the prevailing hourly rate of the private sector. The attorney fee hourly rate shall not be less than $175.00 per hour. All attorney fees collected shall be paid to the operating budget of the Office of the Parish President.

21.10 If, instead of requiring correction or removal and replacement of Defective Work, Owner (and prior to approval of final payment) prefers to accept it, the Owner may do so. In such case, if acceptance occurs prior to approval of final payment, a Change Order shall be issued incorporating the necessary revisions in the Contract Documents, including appropriate reduction in the Contract Price, or, if the acceptance occurs after approval of final payment, an appropriate amount shall be paid by Contractor to Owner.

21.11 If Contractor should fail to progress the Work in accordance with the Contract Documents, including any requirements of the Progress Schedule, Owner, after seven (7) days written Notice to Contractor, may, without prejudice to any other remedy Owner may have, make good such deficiencies and the cost thereof including compensation for additional professional services shall be charged against Contractor. In such cases, a Change Order shall be issued incorporating the necessary revisions in the Contract Documents including an appropriate reduction in the Contract Price. If the payments then or thereafter due Contractor are not sufficient to cover such amount, Contractor shall pay the difference to Owner.

21.12 The Owner may appoint representatives to make periodic visits to the site and observe the progress and quality of the executed Work. These representatives shall be governed by the same restrictions placed on the Owner by these Specifications. The governing body of the Federal, State or local government exercising authority in the area of the Work may appoint representatives to observe the progress and quality of the Work. Contractor shall cooperate with and assist these representatives in the performance of their duties.

21.13 The Contractor shall be responsible for the faithful execution of its Contract and the presence or absence of the Owner's or Government's Representative is in no way or manner to be presumed or assumed to relieve in any degree the responsibility or obligation of the Contractor.

21.14 The Contractor shall notify the Owner and the Governmental Agency having jurisdiction as to the exact time at which it is proposed to begin Work so the Owner may provide for inspection of all materials, foundations, excavations, equipment, etc., and all or any part of the Work and to the preparation or manufacture of materials to be used whether within the limits of the Work or at any other place.

21.15 The Owner or its representatives shall have free access to all parts of the Work and to all places where any part of the materials to be used are procured, manufactured or prepared. The Contractor shall furnish the Owner all information relating to the Work and the material therefor, which may be deemed necessary or pertinent, and with such samples of materials as may be required. The Contractor, at its own expense, shall supply such labor and assistance as may be necessary in the handling of materials for proper inspection or for inspection of any Work done by it.

21.16 No verbal instructions given to the Contractor by the Owner, Project Representative or any of their agents shall change or modify the written Contract. Contractors shall make no claims for additional payments or time based upon verbal instructions.

22.00 SUBSURFACE CONDITIONS

22.01 It is understood and agreed that the Contractor is familiar with the subsurface conditions that will be encountered and its price bid for the Work includes all of the costs involved for Work in these conditions and it is furthermore agreed that it has taken into

consideration, prior to its Bid and acceptance by Owner, all of the subsurface conditions normal or unusual that might be encountered in the location of the Work.

22.02 Should the Contractor encounter during the progress of the Work subsurface conditions at the site materially differing from those shown on the Drawings or indicated in the Specifications, the attention of the Owner shall be directed to such conditions before the conditions are disturbed. If the Owner finds that the conditions materially differ from those shown on the Drawings or indicated in the Specifications, it shall at once make such changes in the Drawings or Specifications as it may find necessary, and any increase or decrease in cost or extension of time resulting from such changes shall be adjusted in the same manner as provided for changes for Extra Work. The Contractor shall submit breakdowns of all costs in a manner as instructed and approved by the Owner.

23.00 REMOVAL AND DISPOSAL OF STRUCTURES AND OBSTRUCTIONS

23.01 Bidder shall thoroughly examine the site of the Work and shall include in its Bid the cost of removing all structures and obstructions in the way of the Work.

23.02 The Contractor shall remove any existing structures or part of structures, fence, building or other encumbrances or obstructions that interfere in any way with the Work. Compensations for the removal of any structure shall be made only if the item(s) to be removed was/were listed as pay item(s) on the Proposal.

23.03 If called for in the Special Conditions, all privately and publicly owned materials and structures removed shall be salvaged without damage and shall be piled neatly and in an acceptable manner upon the premises if it belongs to an abutting property owner, otherwise at accessible points along the improvements. Materials in structures which is the property of the Owner or property of any public body, private body or individual which is fit for use elsewhere, shall remain property of the original Owner. It shall be carefully removed without damage, in sections which may be readily transported; same shall be stored on or beyond the right of way. The Contractor will be held responsible for the care and preservation for a period of ten (10) days following the day the last or final portion of the materials stored at a particular location are placed thereon. When privately owned materials are stored beyond the right of way, the Contractor will be held responsible for such care and preservation for a period of ten (10) days responsibility period for care and preservation of the materials begins. The Contractor must furnish the Owner with evidence satisfactory that the proper owner of the materials has been duly notified by the Contractor that the said owner must assume responsibility for its materials on the date following the Contractor's ten (10) day responsibility.

24.00 INSURANCE

24.01 Contractor shall secure and maintain at its expense such insurance that will protect it and the Parish from claims for injuries to persons or damages to property which may arise from or in connection with the performance of Services or Work hereunder by the Contractor, his agents, representatives, employees, and/or subcontractors. The cost of such insurance shall be included in Contractor’s bid.

24.02 The Contractor shall not commence work until it has obtained all insurance as required for the Parish Project. If the Contractor fails to furnish the Parish with the insurance protection required and begins work without first furnishing Parish with a currently dated certificate of insurance, the Parish has the right to obtain the insurance protection required and deduct the cost of insurance from the first payment due the Contractor. Further deductions are permitted from future payments as are needed to protect the interests of the Parish including, but not limited to, renewals of all policies.

24.03 Payment of Premiums: The insurance companies issuing the policy or policies shall have no recourse against the Parish of St. Tammany for payment of any premiums or for assessments under any form of policy.

24.04 Deductibles: Any and all deductibles in the described insurance policies shall be assumed by and be at the sole risk of the Contractor.

24.05 Authorization of Insurance Company(ies) and Rating: All insurance companies must be authorized to do business in the State of Louisiana and shall have an A.M. Best rating of no less than A-, Category VII.

24.06 Policy coverages and limits must be evidenced by Certificates of Insurance issued by Contractor's carrier to the Parish and shall reflect:

Date of Issue: Certificate must have current date.

Named Insured: The legal name of Contractor under contract with the Parish and its principal place of business shall be shown as the named insured on all Certificates of Liability Insurance.

Name of Certificate Holder: St. Tammany Parish Government, Office of Risk Management, P. O. Box 628, Covington, LA 70434

Project Description: A brief project description, including Project Name, Project Number and/or Contract Number, and Location.

Endorsements and Certificate Reference: All policies must be endorsed to provide, and certificates of insurance must evidence the following:

Waiver of Subrogation: The Contractor's insurers will have no right of recovery or subrogation against the Parish of St. Tammany, it being the intention of the parties that all insurance policy(ies) so affected shall protect both parties and be the primary coverage for any and all losses covered by the below described insurance. *Policy endorsements required for all coverages*.

Additional Insured: The Parish of St. Tammany shall be named as additional named insured with respect to general liability, marine liability, pollution/environmental liability, automobile liability and excess liability coverages. *Policy endorsements required.*

Hold Harmless: Contractor's liability insurers shall evidence their cognizance of the Hold Harmless and Indemnification in favor of St. Tammany Parish Government by referencing same on the face of the Certificate(s) of Insurance.

Cancellation Notice: Producer shall provide thirty (30) days prior written notice to the Parish of policy cancellation or substantive policy change.

24.07 The types of insurance coverage the Contractor is required to obtain and maintain throughout the duration of the Contract, include, but is not limited to:

1. Commercial General Liability insurance with a Combined Single Limit for bodily injury and property damage of at least $1,000,000 per Occurrence/$2,000,000 General Aggregate/Products-Completed Operations Per Project. The insurance shall provide for and the certificate(s) of insurance shall indicate the following coverages:

    a) Premises - operations;
    b) Broad form contractual liability;
    c) Products and completed operations;
    d) Personal Injury;
    e) Broad form property damage;
    f) Explosion and collapse.

2. Marine Liability/Protection and Indemnity insurance is required for any and all vessel and/or marine operations in the minimum limits of $1,000,000 per occurrence/$2,000,000 per project general aggregate. The coverage shall include, but is not limited to, the basic coverages found in the Commercial General Liability insurance and coverage for third party liability.

3. Contractors' Pollution Liability and Environmental Liability insurance in the minimum amount of $1,000,000 per occurrence, $2,000,000 general aggregate and include coverage for full contractual liability and for all such environmental and/or hazardous waste exposures affected by this project.

4. Business Automobile Liability insurance with a Combined Single Limit of $1,000,000 per Occurrence for bodily injury and property damage, and shall include coverage for the following:

    a) Any automobiles;
    b) Owned automobiles;
    c) Hired automobiles;
    d) Non-owned automobiles;
    e) Uninsured motorist.

5. Workers' Compensation/Employers Liability insurance: worker's compensation insurance coverage and limits as statutorily required; Employers' Liability Coverage shall be not less than $1,000,000 each accident, $1,000,000 each disease, $1,000,000 disease policy aggregate, except when projects include exposures covered under the United States Longshoremen and Harbor Workers Act, Maritime and/or Jones Act and/or Maritime Employers Liability (MEL) limits shall be not less than $1,000,000/$1,000,000/$1,000,000. *Coverage for owners, officers and/or partners shall be included in the policy and a statement of such shall be made by the insuring producer on the face of the certificate.*

6. Owners Protective Liability (OPL) (formerly Owners and Contractors Protective Liability (OCP) Insurance) shall be furnished by the Contractor naming St. Tammany Parish Government as the Named Insured and shall provide coverage in the minimum amount of $1,000,000 combined single limit (CSL) each occurrence, $2,000,000 aggregate. Any project valued in excess of $3,000,000 shall be set by the Office of Risk Management. The policy and all endorsements shall be addressed to St. Tammany Parish Government, Office of Risk Management, P. O. Box 628, Covington, LA 70434.

7. Builder's Risk Insurance shall be required on buildings, sewage treatment plants and drainage pumping stations, and shall be written on an "all-risk" or equivalent policy form in the amount of the full value of the initial Contract sum, plus value of subsequent Contract modifications and cost of materials supplied or installed by others, comprising 100% total value for the entire project including foundations. Deductibles should not exceed $5,000 and Contractor shall be responsible for any and all policy deductibles. This insurance shall cover portions of the work stored off the site, and also portions of the work in transit. In addition, Installation Floater Insurance, on an "all-risk" form, will be carried on all pumps, motors, machinery and equipment on the site or installed. Both the Builder's Risk Insurance and the Installation Floater Insurance shall include the interests of the Owner, Contractor, Subcontractors, and Sub-subcontractors and shall terminate only when the Project has been accepted. St. Tammany Parish Government, P. O. Box 628, Covington, LA 70434 shall be the first named insured on the Builder's Risk and Installation Floater Insurance.

8. Professional Liability (errors and omissions) insurance in the sum of at least One Million Dollars ($1,000,000) per claim with Two Million Dollars ($2,000,000) annual aggregate.

9. An umbrella policy or excess policy may be required and/or allowed to meet minimum coverage limits, subject to the review and approval by St. Tammany Parish Government, Office of Risk Management.

24.08 All policies of insurance shall meet the requirements of the Parish of St. Tammany prior to the commencing of any work. The Parish of St. Tammany has the right, but not the duty, to approve all insurance policies prior to commencing of any work. If at any time, it becomes known that any of the said policies shall be or becomes unsatisfactory to the Parish of St. Tammany as to form or substance; or if a company issuing any such policy shall be or become unsatisfactory to the Parish of St. Tammany, the Contractor shall promptly obtain a new policy, timely submit same to the Parish of St. Tammany for

approval and submit a certificate thereof as provided above. The Parish agrees to not unreasonably withhold approval of any insurance carrier selected by Contractor. In the event that Parish cannot agree or otherwise authorize said carrier, Contractor shall have the option of selecting and submitting new insurance carrier within 30 days of said notice by the Parish. In the event that the second submission is insufficient or is not approved, then the Parish shall have the unilateral opportunity to thereafter select a responsive and responsible insurance carrier all at the cost of Contractor and thereafter deduct from Contractor's fee the cost of such insurance.

24.09 Upon failure of Contractor to furnish, deliver and/or maintain such insurance as above provided, the contract, at the election of the Parish of St. Tammany, may be forthwith declared suspended, discontinued or terminated. Failure of the Contractor to maintain insurance shall not relieve the Contractor from any liability under the contract, nor shall the insurance requirements be construed to conflict with the obligation of the Contractor concerning indemnification.

24.10 Contractor shall maintain a current copy of all annual insurance policies and provide same to the Parish of St. Tammany as may be reasonably requested.

24.11 It shall be the responsibility of Contractor to require that these insurance requirements are met by all contractors and sub-contractors performing work for and on behalf of Contractor. Contractor shall further ensure the Parish is named as additional insured on all insurance policies provided by said contractor and/or sub-contractor throughout the duration of the project, and that renewal certificates for any policies expiring prior to the Parish's final acceptance of the project shall be furnished to St. Tammany Parish Government, Department of Legal, Office of Risk Management, without prompting.

NOTICE:

These are only an indication of the coverages that are generally required. Additional coverages and/or limits may be required for projects identified as having additional risks or exposures. Please note that some requirements listed may not necessarily apply to your specific services. St. Tammany Parish Government reserves the right to remove, replace, make additions to and/or modify any and all of the insurance requirement language upon review of the final scope of services presented to Office of Risk Management prior to execution of a contract for services.

For inquiries regarding insurance requirements, please contact:
St. Tammany Parish Government
Office of Risk Management
P. O. Box 628
Covington, LA 70434
Telephone: 985-898-5226
Email: riskman@stpgov.org

24.12 Nothing contained in these insurance requirements is to be construed as limiting the extent of the Contractor's Responsibility for payment of damages resulting from its operations under this Contract.

25.00 OWNER'S RIGHT TO OCCUPANCY

25.01 The Owner shall have the right to use, at any time, any and all portions of the Work that have reached such a stage of completion as to permit such occupancy, provided such occupancy does not hamper the Contractor or prevent its efficient completion of the Contract or be construed as constituting an acceptance of any part of the Work.

25.02 The Owner shall have the right to start the construction of houses, structures or any other building concurrent with the Contractor's Work.

26.00 SURVEY HORIZONTAL AND VERTICAL CONTROL

26.01 The Owner shall provide surveys for construction to establish reference points which in its judgment are necessary to enable Contractor to layout and proceed with its Work. Contractor shall be responsible for surveying and laying out the Work and shall protect and preserve the established reference points and shall make no changes or relocations without

the prior written approval of the Owner. Contractor shall report to Owner whenever any reference point is lost or destroyed and the Owner shall decide if the reference point shall be replaced by its or the Contractor's forces.

26.02 The Contractor shall establish lines and grades with its own forces in sufficient number and location for the proper execution of the Work.

26.03 If the Contractor, during the construction, damages the established property corners and/or other markers and thereafter requests the Owner to re-stake same in order to complete the project, this expense will be borne solely by the Contractor.

27.00 TERMINATION OF THE CONTRACT, OWNER'S AND CONTRACTORS RIGHT TO STOP WORK.

27.01 If the Contractor should be adjudged bankrupt (voluntarily or involuntarily) or if it should make a general assignment for the benefit of its creditors, or if a receiver should be appointed on account of its insolvency, or if it should persistently or repeatedly refuse or should fail (except in cases for which extension of time is provided) to supply enough properly skilled workmen or proper materials, or if it should fail to make prompt payment to Subcontractors or for material or labor, or persistently disregard laws, ordinances or the instructions of the Owner, or otherwise be guilty of a substantial violation of any provision of the Contract, then the Owner, upon the certificate of the Owner that, in its unilateral discretion and judgment, believes sufficient cause exists to justify such action, may, without prejudice to any other right or remedy and after giving the Contractor ten (10) calendar days written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools and appliances thereon and finish the Work by whatever method the Owner may deem expedient.

27.02 Failure of the Contractor to start the Work within the time limit specified herein or substantial evidence that the progress being made by the Contractor is sufficient to complete the Work within the specified time shall be grounds for termination of the Contract by the Owner.

27.03 Before the Contract is terminated, the Contractor and its surety will first be notified in writing by the Owner of the conditions which make termination of the Contract imminent. When after ten (10) calendar days' notice is given and if satisfactory effort has not been made by the Contractor or its surety to correct the conditions, the Owner may declare, in its exclusive discretion, that the Contract is terminated and so notify the Contractor and its surety accordingly.

27.04 Upon receipt of notice from the Owner that the Contract has been terminated, the Contractor shall immediately discontinue all operations. The Owner may then proceed with the Work in any lawful manner that it may elect until Work is finally completed.

27.05 The exclusive right is reserved to the Owner to take possession of any machinery, implements, tools or materials of any description that shall be found upon the Work, to account for said equipment and materials, and to use same to complete the Project. When the Work is finally completed, the total cost of same will be computed. If the total cost is less than the Contract Price, the difference will not be paid to the Contractor or its surety.

27.06 In case of termination, all expenses incident to ascertaining and collecting losses under the Bond, including legal services, shall be assessed against the Bond.

27.07 If the Work should be stopped under any order of any court or public authority for period of sixty (60) calendar days, through no act or fault of the Contractor or anyone employed by it, or if the Owner shall fail to pay the Contractor within a reasonable time any sum certified by the Owner, then the Contractor may, upon ten (10) calendar days written notice to the Owner, stop Work or terminate this Contract and recover from the Owner payment for all Work properly and professionally executed in a workmanlike manner. This loss specifically includes actual cost of materials and equipment, together with all wages inclusive of all federal, state, and local tax obligations. This loss specifically includes reimbursement of all insurances on a pro-rata basis from the date of termination to date of policy period. This loss excludes and specifically does not include recovery by the Contractor for lost profit, indirect & direct expenses, overhead, and the like.

28.00 PAYMENTS TO THE CONTRACTOR

28.01 Monthly certificates for partial payment, in a form approved by the Owner, shall be transmitted to the Owner upon receipt from the Contractor and acceptance by the Owner. In accordance with LSA-R.S. 38:2248(A), when the Contract Price is less than five hundred thousand dollars, these certificates shall be equal to ninety percent (90%) of both the Work performed and materials stored at the site; and when the Contract Price is five hundred thousand dollars or more, these certificates shall be equal to ninety-five percent (95%) of both the Work performed and materials stored at the site. Partial payment certificates shall include only Work, materials and equipment that are included in official Work Order and which meet the requirements of plans, Specifications and Contract Documents. These monthly estimates shall show the amount of the original estimate for each item, the amount due on each item, the gross total, the retained percentage, the amount previously paid and the net amount of payment due.

28.02 After final completion and acceptance by the Owner of the entire Work, and when the Contract Price is less than five hundred thousand dollars, the Owner shall issue to the Contractor Certificate of Payment in sum sufficient to increase total payments to ninety percent (90%) of the Contract Price. After final completion and acceptance by the Owner of the entire Work, and when the Contract Price is five hundred thousand dollars or more, the Owner shall issue to the Contractor Certificate of Payment in sum sufficient to increase total payments to ninety-five percent (95%) of the Contract Price.

28.03 When the Contract Price is less than five hundred thousand dollars, the final payment certificate of the remaining ten percent (10%) of the Contract Price, minus any deduction for deficient or Defective Work or other applicable deductions, will be issued by the Owner forty-five (45) days after filing acceptance in the Mortgage Office of the Parish and a Clear Liens and Privilege Certificate has been secured. When the Contract Price is five hundred thousand dollars or more, the final payment certificate of the remaining five percent (5%) of the Contract Price, minus any deduction for deficient or Defective Work or other applicable deductions, will be issued by the Owner forty-five (45) days after filing acceptance in the Mortgage Office of the Parish and a Clear Liens and Privilege Certificate has been secured. Before issuance of the final payment certificate, the Contractor shall deposit with the Owner a certificate from the Clerk of Court and Ex-Officio Recorder of Mortgages from the Parish in which the Work is performed to the effect that no liens have been registered against Contract Work.

28.04 When, in the opinion of the Contractor, the Work provided for and contemplated by the Contract Documents has been substantially completed, the Contractor shall notify the Owner in writing that the Work is substantially complete and request a final inspection. The Owner shall proceed to perform such final inspection accompanied by the Contractor. Any and all Work found by this inspection to be Defective or otherwise not in accordance with the plans and Specifications shall be corrected to the entire satisfaction of the Owner and at the sole expense of the Contractor. If the Contract is found to be incomplete in any of its details, the Contractor shall at once remedy such defects, and payments shall be withheld and formal acceptance delayed until such Work has been satisfactorily completed.

28.05 If payment is requested on the basis of materials and equipment not incorporated in the Work, but delivered and suitably stored and protected from damage and theft at the site, the Request for Payment shall also be accompanied by such data, satisfactory to the Owner, as will establish Owner's title to the material and equipment and protect its interest therein, including applicable insurance.

28.06 Each subsequent Request for Payment shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied to discharge in full all of Contractor's obligations reflected in prior Request for Payment.

28.07 Each subsequent request for payment shall include an affidavit by Contractor that Contractor, all subcontractors, agents, material suppliers and all other persons supplying material to the project upon which State of Louisiana and/or St. Tammany sales taxes are lawfully due have paid these taxes and that all supplies and materials purchased for this project and for which Contractor has been paid have had all lawfully due State and/or St. Tammany sales taxes paid.

28.08 The Bid Proposal, unless otherwise modified in writing, and the Contract constitute the complete Project. The Contract Prices constitute the total compensation payable to Contractor and the cost of all of the Work and materials, taxes, permits and incidentals must be included into the Bid submitted by the Contractor and included into those items listed on the Proposal.

28.09 Any additional supporting data required by the Owner in order to substantiate Contractor's request for payment shall be furnished by Contractor at no cost to the Owner.

28.10 Owner may withhold from payment to Contractor as may be necessary to protect itself from loss on account of:

(1) Defective and/or inferior work;
(2) Damage to the property of Owner or others caused by Contractor;
(3) Failure by Contractor to make payments properly to sub-contractors or to pay for labor, materials or equipment used on this project;
(4) Failure by Contractor to pay taxes due on materials used on this project;
(5) Damage by Contractor to another Contractor;
(6) Insolvency;
(7) Bankruptcy, voluntary or involuntary;
(8) Revocation of corporate status;
(9) Failure to follow corporate formalities;
(10) Unprofessional activities;
(11) Unworkmanlike performance;
(12) Fraud and/or misrepresentation of any kind.

29.00 ACCEPTANCE AND FINAL PAYMENT(S)

29.01 Upon receipt of written notice from Contractor that the work is substantially complete and usable by Owner or the Pubic in suitable manner, the Owner and the Contractor shall jointly inspect the work.

29.02 If the Owner by inspection determines that the work is not substantially complete in a suitable manner for use by the Owner or the Public, then the Owner shall so notify the Contractor in writing stating such reason. All reasons need not be disclosed unless actually known. The Owner is afforded an opportunity to amend said notices as are reasonably possible.

29.03 If the Owner by its inspection determines that the work is substantially complete, it shall prepare a list of all items not satisfactorily completed and shall notify the Contractor and Owner in writing that the work is substantially complete and subject to satisfactory resolution of those items on the list (punch list). Punch lists may be amended from time to time by Owner in the event that additional deficiencies are discovered. In accordance with LSA-R.S. 38:2248(B), any punch list generated during a construction project shall include the cost estimates for the particular items of work the design professional has developed based on the mobilization, labor, material, and equipment costs of correcting each punch list item. The design professional shall retain his working papers used to determine the punch list items cost estimates should the matter be disputed later. The contract agency shall not withhold from payment more than the value of the punch list. Punch list items completed shall be paid upon the expiration of the forty-five (45) day lien period. The provisions of this Section shall not be subject to waiver.

29.04 Upon determination of substantial completeness with the punch list, the Contract Time is interrupted and the Contractor is given a reasonable time not to exceed thirty (30) consecutive calendar days to effect final completion by correcting or completing all of those items listed on the punch list. If the items on the punch list are not completed in a satisfactory manner within the thirty day period, then the Contract Time will begin to run again and will include for purposes of determining liquidated damages the thirty day period the grace period being withdrawn.

29.05 Upon receipt by Owner of written determination that all work embraced by the contract has been completed in a satisfactory manner, the Owner shall provide a written acceptance to Contractor who shall record Owner's written acceptance with the recorder of Mortgages, St. Tammany Parish. The Contractor shall properly prepare, submit and pay for all costs associated with said Acceptance. The Contractor is also responsible for preparation, re-

submission and payment of any and all updated certificates.

29.06 Retainage monies, minus those funds deducted in accordance to the requirements of this agreement including but not limited to Paragraph 28.10, shall be due Contractor not earlier than forty-six (46) calendar days after recordation of certificate of Owner's acceptance provided the following:

(1) Contractor shall prepare, secure, pay for and submit clear lien and privilege certificate, signed and sealed by Clerk of Court or Recorder of Mortgages, Parish of St. Tammany and dated at least forty-six (46) days after recordation of certificate of acceptance;

(2) Ensure that the official representative of the Owner has accepted as per LSA-R.S. 38:2241.1, *et seq*. and that all following sub-sections have been properly satisfied as per law;

(3) Ensure that all signatures are affixed and that there exists the requisite authority for all signatures;

(4) Ensure accurate and proper legal descriptions;

(5) Properly identify all parties and/or signatories;

(6) Properly identify all mailing addresses;

(7) Correctly set for the amount of the contract, together with all change orders;

(8) Set out a brief description of the work performed;

(9) Reference to any previously recorded contract, lien or judgment inscription that may affect the property;

(10) Certification that substantial completion has occurred, together with any applicable date(s);

(11) Certification that no party is in default and/or that the project has been abandoned.

29.07 After securing the clear lien and privilege certificate the Contractor shall prepare its final application for payment and submit to Owner. The Owner shall approve application for payment, or state its objections in writing and forward to Contractor for resolution.

30.00 NOTICE AND SERVICE THEREOF

30.01 Any Notice to Contractor from the Owner relative to any part of this Contract shall be in writing and shall be considered delivered and the service thereof completed when said notice is posted; by certified mail, return receipt requested to the said Contractor at its last given address, or delivered in person to said Contractor or its authorized representative on the Work.

31.00 INTENTION OF THESE GENERAL CONDITIONS

31.01 These General Conditions shall be applicable to all contracts entered into by and between the Owner and Contractors, except as may be altered or amended with the consent of the Owner, and/or provided for in the Special Conditions of each contract. Contractor shall be presumed to have full knowledge of these General Conditions which shall be applicable to all contracts containing these General Conditions, whether Contractor has obtained a copy thereof or not.

32.00 SEVERABILITY

32.01 If any one or more or part of any of the provisions contained herein and/or in the Specifications and Contract for the Work shall for any reason be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions of this Agreement or attachment, but it shall be construed as if such

invalid, illegal, or unenforceable provision or part of a provision had never been contained herein.

32.02 CHANGING THESE CONDITIONS: Owner reserves the right to change or modify these General Conditions as it deems best, or as required by law. The General Conditions may also be modified for a particular project by the use of Special Conditions prior to the issuance of the Advertisement for Bid. However, once an advertisement for bid is made for any specific project, any changes to the General Conditions as they affect that specific project must be made in writing and issued via an addendum in accordance with State Law.

33.00 LAW OF THE STATE OF LOUISIANA

33.01 The Contract Documents shall be governed by the Law of the State of Louisiana.

33.02 The Contractor agrees to pay reasonable attorney's fees and other reasonable attendant costs, in the event that it becomes necessary for the Owner to employ an attorney in order to enforce compliance with or any remedy relating to any covenants, obligations, or conditions imposed upon the Contractor by this Agreement. Attorney fees shall be based upon the prevailing hourly rate of attorney rates in the private sector. In no case shall the hourly rate be less than $175.00 per hour. All attorney fees collected shall be paid the operating budget of the Office of the Parish President.

33.03 The jurisdiction and venue provisions shall apply to all contractors, sureties, and subcontractors. The 22nd Judicial District for the Parish of St. Tammany shall be the court of exclusive jurisdiction and venue for any dispute arising from these General Conditions and/or any contract executed in conjunction with these General Conditions. All parties specifically waive any rights they have or may have for removal of any disputes to Federal Court, or transfers to different State District Court.

33.04 Contractor warrants that it has and/or had received a copy of these General Conditions at all times material hereto; Contractor further agrees that it has read and fully and completely understands each and every condition herein.

33.05 The property description will be more fully set out by an attached exhibit.

33.06 The Contractor warrants that it has the requisite authority to sign and enter this agreement.

33.07 It is specifically understood and agreed that in the event Contractor seeks contribution from the Parish or pursues its legal remedies for any alleged breach of this agreement by the Parish, then the following list of damages SHALL NOT BE RECOVERABLE BY CONTRACTOR. This list includes, but is not limited to:

1. indirect costs and/or expenses;
2. direct costs and/or expenses;
3. time-related costs and/or expenses;
4. award of extra days;
5. costs of salaries or other compensation of Contractor’s personnel at Contractor’s principal office and branch offices;
6. expenses of Contractor’s principal, branch and/or field offices;
7. any part of Contractor’s capital expenses, including any interest on Contractor’s capital employed for the work;
8. any other charges related to change orders;
9. overhead and general expenses of any kind or the cost of any item not specifically and expressly included in Cost of Work.

33.08 DEFAULT AND WAIVERS

It is understood that time is of the essence. It is specifically understood between the parties that Contractor waives any and all notice to be placed in default by the Owner. This subsection shall supersede and prime any other subsection herein above that is in conflict. The Owner specifically reserves its right and specifically does not waive the requirement to be placed in default by the Contractor as per law.

33.09 St. Tammany Parish Government contracts to be awarded are dependent on the available funding and/or approval by members designated and/or acknowledged by St. Tammany

Parish Government. At any time St. Tammany Parish Government reserves the right to cancel the award of a contract if either or both of these factors is deficient.

33.10 It is the Parish's policy to provide a method to protest exclusion from a competition or from the award of a contract, or to challenge an alleged solicitation irregularity. It is always better to seek a resolution within the Parish system before resorting to outside agencies and/or litigation to resolve differences. All protests must be made in writing, and shall be concise and logically presented to facilitate review by the Parish. The written protest shall include:

1. The protester's name, address, and fax and telephone numbers and the solicitation, bid, or contract number;

2. A detailed statement of its legal and factual grounds, including a description of the resulting prejudice to the protester;

3. Copies of relevant documents;

4. All information establishing that the protester is an interested party and that the protest is timely; and

5. A request for a ruling by the agency; and a statement of the form of relief requested.

The protest shall be addressed to Director of Procurement, St. Tammany Parish Government, P.O. Box 628, Covington, LA 70434.

The protest review shall be conducted by the Parish Procurement Department.

Only protests from interested parties will be allowed. Protests based on alleged solicitation improprieties that are apparent before bid opening, or the time set for receipt of initial proposals must be filed with and received by the Procurement Department BEFORE those deadlines.

Any other protest shall be filed no later than ten (10) calendar days after the basis of the protest is known, or should have been known (whichever is earlier).

The Parish will use its best efforts to resolve the protest within thirty (30) days of the date that it is received by the Parish. The written response will be sent to the protestor via mail and, fax, if a fax number has been provided by the protestor. The protester can request additional methods of notification.

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF INCORPORATED.
AT THE MEETING OF DIRECTORS OF _____ INCORPORATED, DULY NOTICED AND HELD ON _____, A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT WAS:
RESOLVED THAT _____, BE AND IS HEREBY APPOINTED, CONSTITUTED AND DESIGN ATED AS AGENT AND ATTORNEY-IN-FACT OF THE CORPORATION WITH FU LL POWER AND AUTHORITY TO ACT ON BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS AND TRANSACTIONS WITH THE PARISH OF ST. TAMMANY OR ANY OF ITS AGENCIES, DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES, CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTINGEACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE A TRUE AND CORRECT COPY OF AN EXCERPT OF THE MINUTES OF THE ABOVE DATED MEETING OF THE BOARD OF DIRECTORS OF SAID CORPORATION, AND THE SAME HAS NOT BEEN REVOKED OR RESCINDED.

SECRETARY-TREASURER

_____

DATE

_____

Sample

Certificate of Insurance Instructions

The below information is intended to guide Contractors on what information is needed to be listed on the Certificate of Insurance. All Insurance limit requirements can be found in Attachment D.

- **Certificate Holder** – STPG must be listed as the certificate holder, and it must include our address of: P.O. Box 628, Covington, LA 70434
    - Reason: the certificate holder is where cancellations of coverage, or updated certificates are mailed. If a vendor terminates a policy, we will be notified.
- **Additional Insured** – We must be named as an additional insured so that if there is a lawsuit against the vendor for a project, their coverage will cover STPG as well if we are named in the lawsuit.
    - We must be named in the Description of Operations box – reason: there could be other additional insureds, and we want to have no doubt that we are one of the additional insureds.
    - We must be named as additional insured on the following coverages: General liability, Auto Liability, Umbrella/Excess Liability, Environmental/Pollution Liability.
    - Professional Liability policies do not allow for an additional insured by most carriers.
- **Project Name & Contract #** - We need this listed in the Description of Operations, again so that if there is a lawsuit, we have proof that coverage was active for that project.
- **Waiver of Subrogation –** This can either be listed in the Description of Operations or checked off in the appropriate columns.

    From the Insurance Requirement form:

    Waiver of Subrogation: The Provider's insurers will have no right of recovery or subrogation against the Parish of St. Tammany, it being the intention of the parties that all insurance policy(ies) so affected shall protect both parties and be the primary coverage for any and all losses covered by the below described insurance.
- **Owners Protective Liability (OPL) or (OCP)** – Certificate of Insurance for OCP names St. Tammany Parish Government as the Insured and the Certificate Holder.

- Sample of Certificate of Insurance (COI) can be found on page 2.

- Please refer to this section in the package labeled "Insurance Requirements" for limits required for this project

Any questions regarding insurance requirements please contact the Risk Department at 985-898-5226 or email riskman@stpgov.org

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC #
INSURED	INSURER A :	
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	☐ CLAIMS-MADE ☐ OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$
	☐ POLICY ☐ PRO-JECT ☐ LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ **UMBRELLA LIAB** ☐ OCCUR						EACH OCCURRENCE	$
	☐ **EXCESS LIAB** ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ WC STATU-TORY LIMITS ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ N / A **(Mandatory in NH)**						E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Project Name:
Contract #:

(Name St. Tammany Parish Government as an additional insured).

CERTIFICATE HOLDER

St. Tammany Parish Government
P.O. Box 628
Covington, LA 70434

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Sample

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SECTION 11

Bond No.:_____

CONTRACT AGREEMENT

BETWEEN PARISH AND CONTRACTOR

BY: ST. TAMMANY PARISH GOVERNMENT

WITH: «TXTCOMPANYNAME»

UNITED STATES OF AMERICA

STATE OF LOUISIANA

ST. TAMMANY PARISH

This agreement is entered into this_____day of_____, 20___, by and between: «TXTCOMPANYNAME», hereinafter called the "Contractor", whose business address is «TXTADDRESS», «TXTCITY», «TXTSTATE» «txtZip» and the St. Tammany Parish Government, hereinafter called the "Parish", whose business address is P.O. Box 628, Covington, LA 70434 (collectively, the "Parties") for «TXTPROJECTNAME» project. Witnessed that the Contractor and the Parish, in consideration of premises and the mutual covenants, consideration and agreement herein contained, agree as follows:

1. SCOPE OF SERVICES

«txtScopeSummary»

SAMPLE

2. CONSTRUCTION DOCUMENTS

It is recognized by the Parties herein that said Construction Documents, including by way of example and not of limitation, the plans and Specifications, General Conditions, Supplementary General Conditions, any addenda thereto, the drawings (if any), and the bid, quote or other procurement documents impose duties and obligations upon the Parties herein, and said Parties thereby agree that they shall be bound by said duties and obligations. For these purposes, all of the provisions contained in the aforementioned Construction Documents are incorporated herein by reference with the same force and effect as though said Construction Documents were herein set out in full. Copies of the aforementioned Construction Documents are in the possession of both the Contractor and the Parish for reference.

3. TIME FOR COMPLETION

The work shall be commenced on a date to be specified in a written order of the Parish and shall be completed within «intCompletionTime» ( ) calendar days from and after said date.

SAMPLE

4. COMPENSATION TO BE PAID TO THE CONTRACTOR

The Parish will pay and the Contractor will accept in full consideration for the performance of the Contract the sum of «curREQGrandTotal».

5. RETAINAGE

A retainage fee will be applied to all contracts with a total price of $100,000.00 or more. For contracts priced between $100,000.00 and $499,999.99, the retainage shall be 10% of the amount. For contracts priced at $500,000.00 or more, the retainage shall be 5%. Retainage will be deducted from each payment and released in accordance with the contract closeout and acceptance requirements.

6. PERFORMANCE AND PAYMENT BOND

To these presents personally came and intervened _____,
(Name of Attorney in Fact)
herein acting for _____, a corporation organized
(Surety)
and existing under the laws of the State of _____, and duly authorized to transact business in the State of Louisiana, as surety, who declared that having taken cognizance of this Contract and of the Construction Documents mentioned

SAMPLE

herein, he hereby in his capacity as its Attorney in Fact obligates his company, as surety for the said Contractor, unto the said Parish, up to the sum of «curREQGrandTotal». The condition of this performance and payment bond shall be that should the Contractor herein not perform the Contract in accordance with the terms and conditions hereof, or should said Contractor not fully indemnify and save harmless the Parish from all costs and damages which he may suffer by said Contractor's non-performance or should said Contractor not pay all persons who have fulfilled obligations to perform labor and/or furnish materials in the prosecution of the work provided for herein, including by way of example, workmen, laborers, mechanics, and furnishers of materials, machinery, equipment and fixtures, then said surety agrees and is bound to so perform the Contract and make said payment(s).

Contractor and Parish specifically agree to and recognize (1) the statutory employer relationship existing between the Parish and any employees performing work under this Contract as employees of the Contractor or employees of the "Sub-Contractor", and (2) that the work performed by the employees of the Contractor and the employees of the "Sub-Contractor" is part of the Parish's

SAMPLE

business, occupation or trade and is essential to the ability of the Parish to generate their products or services, all of which is in accordance with LSA-R.S. 23:1061, and as may be amended.

7. LIABILITY AND INDEMNIFICATION

A. Duty to Defend

Upon notice of any claim, demand, suit, or cause of action against the Parish, alleged to arise out of or be related to this Contract, Contractor shall investigate, handle, respond to, provide defense for, and defend at its sole expense, even if the claim, demand, suit, or cause of action is groundless, false, or fraudulent. The Parish may, but is not required to, consult with or assist the Contractor, but this assistance shall not affect the Contractor's obligations, duties, and responsibilities under this section. Contractor shall obtain the Parish's written consent before entering into any settlement or dismissal.

B. Contractor Liability

Contractor shall be liable without limitation to the Parish for any and all injury, death, damage, loss, destruction, damages, costs, fines, penalties, judgments,

SAMPLE

forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities of every name and description, which may occur or in any way arise out of any act or omission of Contractor, its owners, agents, employees, partners or subcontractors.

C. Force Majeure

It is understood and agreed that neither party can foresee the exigencies beyond the control of each party which arise by reason of an Act of God or force majeure; therefore, neither party shall be liable for any delay or failure in performance beyond its control resulting from an Act of God or force majeure. The Parish shall determine whether a delay or failure results from an Act of God or force majeure based on its review of all facts and circumstances. The parties shall use reasonable efforts, including but not limited to, use of continuation of operations plans (COOP), business continuity plans, and disaster recovery plans, to eliminate or minimize the effect of such events upon the performance of their respective duties under this Contract.

SAMPLE

D. Indemnification

Contractor shall fully indemnify and hold harmless the Parish, without limitation, for any and all injury, death, damage, loss, destruction, damages, costs, fines, penalties, judgments, forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities of every name and description, which may occur or in any way arise out of any act or omission of Contractor, its owners, agents, employees, partners or subcontractors. The Contractor shall not indemnify for the portion of any loss or damage arising from the Parish's act or failure to act.

E. Intellectual Property Indemnification

Contractor shall fully indemnify and hold harmless the Parish, without limitation, from and against damages, costs, fines, penalties, judgments, forfeitures, assessments, expenses (including attorney fees), obligations, and other liabilities in any action for infringement of any intellectual property right, including but not limited to, trademark, trade-secret, copyright, and patent rights.

When a dispute or claim arises relative to a real or anticipated infringement, the Contractor, at its sole expense, shall submit information and documentation,

SAMPLE

including formal patent attorney opinions, as required by the Parish.

If the use of the product, material, service, or any component thereof is enjoined for any reason or if the Contractor believes that it may be enjoined, Contractor, while ensuring appropriate migration and implementation, data integrity, and minimal delays of performance, shall at its sole expense and in the following order of precedence: (i) obtain for the Parish the right to continue using such product, material, service, or component thereof; (ii) modify the product, material, service, or component thereof so that it becomes a non-infringing product, material, or service of at least equal quality and performance; (iii) replace the product, material, service, or component thereof so that it becomes a non-infringing product, material, or service of at least equal quality and performance; or, (iv) provide the Parish monetary compensation for all payments made under the Contract related to the infringing product, material, service, or component, plus for all costs incurred to procure and implement a non-infringing product, material, or service of at least equal quality and performance. Until this obligation has been satisfied, the Contractor remains in default.

SAMPLE

The Contractor shall not be obligated to indemnify that portion of a claim or dispute based upon the Parish's unauthorized: i) modification or alteration of the product, material or service; ii) use of the product, material or service in combination with other products not furnished by Contractor; or, iii) use of the product, material or service in other than the specified operating conditions and environment.

8. MODIFICATION OF CONTRACT TERMS

Provided that any alterations which may be made in the terms of the Contract or in the work to be done under it, or the giving by the Parish of any extensions of time for the performance of the Contract, or any other forbearance on the part of either the Parish or the Contractor to the other shall not in any way release the Contractor or the Surety from their liability hereunder, notice to the Surety of any such alterations, extensions or other forbearance being hereby waived.

8. TERMINATION, CANCELLATION, AND SUSPENSION

A. Termination

The term of this Contract shall be binding upon the Parties hereto until the work has been

SAMPLE

completed by the Contractor and accepted by the Parish, and all payments required to be made to the Contractor have been made. But, this Contract may be terminated upon thirty (30) days written notice under any or all of the following conditions:

1) By mutual agreement and consent of the Parties hereto;

2) By the Parish as a consequence of the failure of the Contractor to comply with the terms, progress, or quality of the work in a satisfactory manner, proper allowances being made for circumstances beyond the control of the Contractor;

3) By either party upon failure of the other party to fulfill its obligations as set forth in this Contract;

4) By the Parish with less than thirty (30) days' notice due to budgetary reductions and changes in funding priorities by the Parish;

5) In the event of the abandonment of the project by the Parish.

Upon termination, the Contractor shall be paid for actual work performed prior to the Notice of Termination, either based upon the established hourly rate for services actually performed, or on a pro-rata share of the basic fee based upon the phase or percentage of

SAMPLE

work actually completed, depending on the type of compensation previously established under this Contract.

Upon Termination, the Contractor shall deliver to the Parish all original documents, notes, drawings, tracings, computer files, and other files pertaining to this Contract or the Work performed, except for the Contractor's personal and administrative files.

B. Cancellation

The continuation of this Contract is contingent upon the appropriation of funds to fulfill the requirements of the Contract by the Parish. If the Parish fails to appropriate sufficient monies to provide for the continuation of this or any other Contract, or if such appropriation is reduced by the veto of Parish President by any means provided in the appropriations Ordinance to prevent the total appropriation for the year from exceeding revenues for that year, or for any other lawful purpose, and the effect of such reduction is to provide insufficient monies for the continuation of the Contract, the Contract shall terminate on the date of the beginning of the first fiscal year for which funds are not appropriated. It is understood and agreed that paragraph (9)(C) below may preempt this paragraph, all at the exclusive and unilateral option of the Parish.

SAMPLE

C. Suspension

Should the Parish desire to suspend the work, but not definitely terminate the Contract, the Parish shall supply the Contractor with thirty (30) days' notice. The Parish will also supply Contractor thirty (30) days' notice that the work is to be reinstated and resumed in full force. Contractor shall receive no additional compensation during the suspension period. The Parties may revisit the terms of this Contract during the suspension period. The suspension shall not exceed six (6) months, unless mutually agreed upon between the Parties.

D. Failure to complete or deliver within the time specified or to provide the services as specified in the bid or response will constitute a default and may cause cancellation of the contract. Where the Parish has determined the contractor to be in default. The Parish reserves the right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with the cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid or response from the defaulting contractor will be considered.

E. In the event of a default and/or breach of this agreement and this matter is forwarded to

SAMPLE

legal counsel, then the prevailing party may be entitled to collect a reasonable attorney fees and all costs associated therewith whether or not litigation is initiated. Attorney fees shall be based upon the current, reasonable prevailing rate for counsel in the private sector. The Parties agree to be responsible for such attorney fees, together for all with legal interest from date of agreement breach, plus all costs of collection.

F. Termination or cancellation of this agreement will not affect any rights or duties arising under any term or condition herein.

G. As to the filing of voluntary or involuntary bankruptcy by Contractor, Contractor agrees that if any execution or legal process is levied upon its interest in this Contract, or if any liens or privileges are filed against its interest, or if a petition in bankruptcy is filed against it, or if it is adjudicated bankrupt in involuntary proceedings, or if it should breach this Contract in any material respect, the Parish shall have the right, at its unilateral option, to immediately cancel and terminate this Contract. In the event that Contractor is placed in any chapter of bankruptcy, voluntarily or involuntarily, or otherwise triggers any provision of the preceding sentence herein, it is understood and agreed that all materials, goods and/or services provided shall be and remain the property of the Parish. All rights of Contractor as to goods, wares, products, services, materials and the like

SAMPLE

supplied to Parish shall be deemed forfeited.

9. AUTHORITY TO ENTER CONTRACT

The undersigned representative of Contractor warrants and personally guarantees that he/she has the requisite and necessary authority to enter and sign this Contract on behalf of the corporate entity, partnership, etc. The undersigned Parties warrant and represent that they each have the respective authority and permission to enter this Contract. In the event that Contractor is a member of a corporation, partnership, L.L.C., L.L.P., or any other juridical entity, the Parish requires, as an additional provision, that Contractor supply a certified copy of a corporate resolution authorizing the undersigned to enter and sign this Contract. Another option to fulfill this additional provision he/she can supply Louisiana Secretary of State Business filings confirming that he/she is a managing member of a corporation, partnership, L.L.C., L.L.P., or any other juridical entity which authorizes the undersigned to enter and sign this Contract.

SAMPLE

Bond No.:_____

In Witness thereof, the Parties hereto on the day and year first above written have executed this Contract in **One (1)** counterpart, each of which shall, without proof or accountancy for the other counterparts, be deemed an original thereof.

WITNESSES:

_____
Signature

_____
Print Name

_____
Signature

_____
Print Name

CONTRACTOR:

_____
Signature

_____
Print Name

_____
Title

_____
Date

SAMPLE

Bond No.:_____

WITNESSES:

_____
Signature

_____
Print Name

_____
Signature

_____
Print Name

ST. TAMMANY PARISH GOVERNMENT:

_____
Michael B. Cooper
Parish President

_____
Date

APPROVED BY:

_____
Assistant District Attorney
Civil Division

_____
Date

_____
(Surety)

_____
Signature

_____
Print Name

SAMPLE

Section 12
Technical Specifications

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END OF SECTION



9/8/2025

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SECTION 01 11 00 - SUMMARY OF WORK

PART 1 -- GENERAL

1.01 THE REQUIREMENT

A. Furnish all plant, tools, equipment, materials, supplies, and manufactured articles, labor, transportation, and services, including fuel, power, water, and essential communications, and performing all work or other operations required for the fulfillment of the Contract in strict accordance with the Contract Documents. Furnish all work, materials, and services not expressly indicated or called for in the Contract Documents which may be necessary for the complete and proper construction of the WORK in good faith as though originally so indicated, at no increase in cost to the OWNER. These actions constitute the WORK of this Contract.

B. Instructions to the CONTRACTOR: Throughout these Technical Specifications, Instructions to the CONTRACTOR are generally written in active voice, imperative mood. The subject of imperative sentences is understood to be “the CONTRACTOR.” The ENGINEER and OWNER’s responsibilities are generally written in passive voice, indicative mood. Phrases such as “as approved,” “unless otherwise approved,” “upon approval,” “as directed,” “as verified,” “as ordered,” and “as determined” refer to actions of the ENGINEER or OWNER unless otherwise stated, and it is understood that the directions, orders, or instructions to which they relate are within the limitations of and authorized by the Contract Documents.

C. Where the governing LADOTD specifications make reference to “DISTRICT”, it is understood for the purpose of this project as “OWNER”.

1.02 SITE CONDITION

A. The location of the work of this contract is along Casril Drive between Soell Drive and HWY LA-59. CONTRACTOR shall perform all work in a way that minimizes interferences with the Parish operations and the public. All schedules and methods of work are subject to approval by the ENGINEER. It will be assumed that all prospective bidders have inspected the site(s) and have acquainted themselves with the local conditions.

B. The WORK is located in St. Tammany Parish, south of Abita Springs, Louisiana. A project vicinity map is provided within the DRAWINGS.

C. Because of the location of the job site along 2-lane Casril Drive, it is imperative that CONTRACTOR schedule and conduct work in such a manner so as to minimize disruption to residents and businesses in the vicinity. Trucking through the job site, delivering and storing materials and equipment, shall be done with the approval of the ENGINEER. CONTRACTOR’s personnel will be allowed to park private vehicles in the vicinity of the work; however, he will be allowed to bring equipment and company vehicles only into the area as necessary in the execution of this contract but may be required to move/remove them if their presence interferes with the daily operations in the area, all at the discretion of the ENGINEER.

D. All work of this contract MUST be coordinated with the OWNER through the ENGINEER, with proper advanced notice.

E. The project site MUST remain open and accessible to the public throughout the length of this contract. Any road closures and/or other damages due to CONTRACTOR's negligence shall be repaired immediately by CONTRACTOR at no additional cost to the contract. CONTRACTOR shall inform the OWNER at least 72 hours in advance for any coordination required, weather permitting. No work shall begin without express written approval of the OWNER. Waste water spillage, if any, shall be remediated immediately to the satisfaction of the OWNER at no additional cost to the contract.

1.03 BIDDERS TO EXAMINE LOCATION AND DRAWINGS

A. Each BIDDER shall make a personal examination of the location of the proposed work and of the surrounding area. BIDDER shall thoroughly acquaint themselves with the details of the work to be done and all the conditions and obstacles likely to be encountered, including soil conditions, in the performance and completion of work. BIDDER shall inform themselves as to the facilities for the transportation, handling, and storage of equipment and materials.

B. Each BIDDER shall carefully study the Drawings, specifications and other contract documents and thoroughly satisfy themselves as to the conditions under which the work is to be done, and as to the character, qualities and quantities of work to be performed, and materials to be furnished, and be prepared to execute a finished job in every particular.

1.04 ORDER OF PRECENDENCE

A. These specifications, the supplemental specifications, the plans, special provisions and supplementary documents are essential parts of the contract. A requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In case of discrepancy, the following order of precedence will apply:
   1. Agreement
   2. Modifications
   3. Addenda
   4. Special Conditions
   5. General Conditions
   6. Technical Specifications - General Requirements
   7. Technical Specification - Special Provisions
   8. LA DOTD Supplemental Specifications
   9. LA DOTD Standard Specifications
   10. Plans
   11. Standard Details
   12. LA DOTD Standard Plans
   13. Calculated dimensions will govern over scaled dimensions.

B. When not otherwise specified herein, all work and materials shall conform to the requirements of the Louisiana Department of Transportation and Development hereafter

called LDOTD (2016 Edition of Louisiana Standard Specifications for Roads and Bridges), and Supplementary Specifications.

C. In case of a conflict between the Contract Documents, the ENGINEER shall be the sole authority in determining which of the two shall take precedence. Such conflict shall not be a basis for an extra expense to the OWNER.

D. The CONTRACTOR is hereby cautioned to base his/her price and work upon the more costly item in event of conflict as no claim for extra expense will be entertained on this basis.

1.05 JOB SITE DRAWINGS AND SPECIFICATIONS

A. CONTRACTOR shall maintain a complete and current set of contract drawings and specifications (including any addenda) on the job site.

B. CONTRACTOR shall maintain one (1) copy of all approved shop drawings, equipment or material drawings, etc. on the job site.

1.06 WORK COVERED BY CONTRACT DOCUMENTS

A. The WORK of this Contract comprises the construction of new 18-inch to 36-inch stormwater drainage pipelines along Casril Drive. Major items of the WORK include, but are not limited to the following:

1. Construction of 18-inch through 36-inch stormwater drainage pipes and appurtenances along Casril Drive using open-cut construction;

2. Construction of open ditches along Casril Drive;

3. Clean existing two (2) box culverts crossing under Casril Drive;

4. Surface restoration of disturbed areas, including asphalt roads, concrete, and asphalt driveways, and hydromulch;

5. Replacement of drainage features damaged during the course of the WORK.

B. The CONTRACTOR’s attention is directed to the fact that the work is to be constructed in the right – of – way of a residential roadway. CONTRACTOR shall make every effort to maintain access to all properties for all property owners.

C. This WORK is near a highway owned and maintained by the State of Louisiana Department of Transportation and Development. At no time may the CONTRACTOR encroach upon the highway except as specifically permitted.

1.07 CONTRACT METHOD

A. The WORK hereunder will be constructed under a single unit-price contract.

1.08 EXPLANATION OF ALTERNATES

A. No Bid Alternates will be considered.

1.09 WORK BY OTHERS

A. Where 2 or more contracts are being performed at one time on the same Site or adjacent land in such manner that work under one contract may interfere with work under another, the OWNER will determine the sequence and order of the Work in either or both contracts. When the Site of one contract is the necessary or convenient means of access for performance of work under another, the OWNER may grant privilege of access or other reasonable privilege to the contractor so desiring, to the extent, amount, and in manner and at time that the OWNER may determine. No OWNER determination of method or time or sequence or order of the work or access privilege will be the basis for a claim for delay or damage except under provisions of the General Conditions for temporary suspensions of the work.

B. Conduct operations so as to cause a minimum of interference with the work of such other contractors and cooperate fully with such contractors to allow continued safe access to their respective portions of the Site, as required to perform work under their respective contracts.

1.10 INTERFERENCE WITH WORK ON UTILITIES

A. Cooperate fully with all utility forces of the OWNER or forces of other public or private agencies engaged in the relocation, altering, or otherwise rearranging of any facilities which interfere with the progress of the WORK.

B. Schedule the WORK so as to minimize interference with said relocation, altering, or other rearranging of facilities.

1.11 CONTRACTOR USE OF SITE

A. Limit use of the site to construction operations, including on-Site storage of materials, on-Site fabrication facilities, and field offices.

1.12 ROADWAY CLOSURE REQUESTS

A. Modifications to existing facilities, the construction of new facilities, and the connection of new to existing facilities may require the temporary closure of existing Parish - maintained roadways and private driveways. In such cases, coordinate the WORK with the ENGINEER as described below. Submit a detailed closure request and time schedule for all construction activities which will make it necessary to completely or partially close a roadway, driveway, or walkway to the public.

B. Submit the closure request to the ENGINEER a minimum of two (2) weeks in advance of the time that such closure is required. Coordinate the closure request with the construction schedule and the restrictions and conditions of these specifications. Within the closure request, describe the CONTRACTOR’s temporary traffic control plan, the

length of time to complete the operation, and the manpower, plant, and equipment to ensure that WORK requiring the closure is completed within the scheduled time for the closure. Assume and pay for all costs for preparing, implementing, maintaining, and removing the closure plan as part of the WORK.

C. Do not enact a roadway, driveway, or sidewalk closure until written approval has been granted by the ENGINEER in each case. Should the CONTRACTOR enact a closure without approval of the ENGINEER, the ENGINEER will direct the CONTRACTOR to take whatever measures are necessary to re – open the affected roadway, driveway, or sidewalk closure at the CONTRACTOR's expense. Should the CONTRACTOR refuse, the OWNER may take required measures and such costs will be withheld from future progress payments to the CONTRACTOR.

D. The ENGINEER will coordinate the CONTRACTOR's planned closure with the OWNER's personnel. The ENGINEER has the authority to modify any proposed closure plans should the closure unnecessarily adversely impact the public.

E. Notify the ENGINEER in writing at least one week in advance of the required closure if the schedule for performing the work has changed or if revisions to the closure plan are required. Provide written confirmation of the closure date and time two (2) working days prior to the actual closure.

F. Closures of Casril Drive are not permitted except which may be allowed by Permit.

1.13 OWNER USE OF THE SITE

A. The OWNER will utilize all or part of the existing facilities during the entire period of construction for the conduct of the OWNER's normal operations and service to customers. Cooperate and coordinate with the OWNER to facilitate the OWNER's operations and to minimize interference with the CONTRACTOR's operations at the same time. In any event, allow the OWNER access to the Site during the period of construction.

1.14 PROJECT MEETINGS

A. Preconstruction Conference:

1. Prior to the commencement of WORK at the Site, a preconstruction conference will be held at a mutually agreed time and place. Ensure that the conference is attended by the CONTRACTOR'S Project Manager, its superintendent, and its subcontractors as the CONTRACTOR deems appropriate. Other attendees will be:

a. ENGINEER and the Resident Project Representative.

b. Representatives of OWNER.

c. Governmental representatives as appropriate.

d. Others as requested by CONTRACTOR, OWNER, or ENGINEER.

2. The purpose of the conference is to designate responsible personnel and establish a working relationship. Matters requiring coordination will be discussed and procedures for handling such matters established. The complete agenda will be furnished to the CONTRACTOR prior to the meeting date. However, the CONTRACTOR should be prepared to discuss all of the items listed below.

    a. Status of CONTRACTOR's insurance and bonds.

    b. CONTRACTOR's tentative schedules.

    c. Transmittal, review, and distribution of CONTRACTOR's submittals.

    d. Processing applications for payment.

    e. Maintaining record documents.

    f. Critical work sequencing.

    g. Field decisions and Change Orders.

    h. Use of Site, office and storage areas, security, housekeeping, and OWNER's needs.

    i. Major equipment deliveries and priorities.

    j. CONTRACTOR’s field personnel and contact information.

    k. CONTRACTOR’s Emergency Telephone Numbers at which company officers and/or responsible persons can be contacted at night, weekends and holidays in case of emergencies.

3. The ENGINEER will preside at the preconstruction conference and will arrange for keeping and distributing the minutes to all persons in attendance.

4. The CONTRACTOR and its subcontractors should plan on the conference taking no less than one half of one full working day.

B. Progress Meetings:

1. The ENGINEER will schedule and hold regular on-Site progress meetings as requested by CONTRACTOR or OWNER or as required by progress of the WORK. Ensure that the CONTRACTOR’s Project Manager, superintendent, and pertinent subcontractors attend each meeting. CONTRACTOR may, at its discretion, request attendance by representatives of its suppliers, manufacturers, and other subcontractors.

2. The ENGINEER will preside at the progress meetings and will arrange for keeping

and distributing the minutes. The purpose of the meetings is to review the progress of the WORK, maintain coordination of efforts, discuss changes in scheduling, and resolve other problems which may develop. During each meeting, present any issues that may impact its progress with a view to resolve these issues expeditiously.

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION (NOT USED)

END OF SECTION

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SECTION 01 31 13 – PROJECT COORDINATION

PART 1 -- GENERAL

1.01 THE REQUIREMENT

A. WORK shall be scheduled, sequenced, and performed in a manner that minimizes disruption to the operation and maintenance of existing facilities.

B. The CONTRACTOR shall incorporate the construction and schedule constraints of this Section in preparing the construction schedules required under Section 01 32 13 - Scheduling and Reporting. The schedules shall include the CONTRACTOR's activities necessary to satisfy all constraints of the Contract Documents.

1.02 PERMITS

A. The CONTRACTOR shall abide by the conditions of all permits and shall obtain proof of satisfaction of conditions from issuers of permits prior to acceptance of the WORK by the OWNER.

1.03 SCHEDULE CONSTRAINTS

A. General: It is the CONTRACTOR's responsibility to coordinate and plan the construction activities to integrate each schedule constraint into performance of the overall work.

1. The maximum outage time of any facility shall be four (4) hours, unless permission for longer outages is obtained from the ENGINEER.

2. Normal working hours shall be scheduled between 7:00 A.M. and 6:00 P.M., Monday through Friday. Hours requested outside normal working hours should be requested in writing at least 72 hours in advance. CONTRACTOR shall be required to pay resident inspection fees for work outside normal working hours. Night, weekend or holiday work requiring the presence of an ENGINEER or inspector will be permitted only in cases of emergency, and then only to such an extent as is absolutely necessary and with the written permission of the OWNER through the ENGINEER. In the event such work becomes necessary, no extra payment will be made.

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 HIGHWAY LIMITATIONS

A. The CONTRACTOR shall make its own investigation of the condition of available public and private roads and of clearances, restrictions, bridge load limits, and other limitations affecting transportation and ingress and egress to the site of the WORK. It shall be the CONTRACTOR's responsibility to construct and maintain any haul roads required for its construction operations.

3.02 TEMPORARY CROSSINGS

A. General: Continuous, unobstructed, safe, and adequate pedestrian and vehicular access shall be provided to fire hydrants, commercial and industrial establishments, churches, schools, parking lots, service stations, motels, fire and police stations, and hospitals. Safe and adequate public transportation stops and pedestrian crossings at intervals not exceeding 300 feet shall be provided. The CONTRACTOR shall cooperate with parties involved in the delivery of mail and removal of trash and garbage so as to maintain existing schedules for such services. Vehicular access to residential driveways shall be maintained to the property line except when necessary construction precludes such access for reasonable periods of time.

B. Temporary Bridges: Wherever necessary, to maintain vehicular crossings, the CONTRACTOR shall provide suitable temporary bridges or steel plates over unfilled excavations, except in such cases as the CONTRACTOR shall secure the written consent of the responsible individuals or authorities to omit such temporary bridges or steel plates, which written consent shall be delivered to the ENGINEER prior to excavation. All such bridges or steel plates shall be maintained in service until access is provided across the backfilled excavation. Temporary bridges or steel plates for street and highway crossing shall conform to the requirements of the authority having jurisdiction in each case, and the CONTRACTOR shall adopt designs furnished by said authority for such bridges or steel plates, or shall submit designs to said authority for approval, as may be required.

C. Street Use: Nothing herein shall be construed to entitle the CONTRACTOR to the exclusive use of any public street, alleyway, or parking area during the performance of the WORK hereunder, and it shall conduct its operations to not interfere unnecessarily with the authorized work of utility companies or other agencies in such streets, alleyways, or parking areas. No street shall be closed to the public without first obtaining permission of the ENGINEER and proper governmental authority. Where excavation is being performed in primary streets or highways, one lane in each direction shall be kept open to traffic at all times unless otherwise indicated. Toe boards shall be provided to retain excavated material if required by the ENGINEER or the agency having jurisdiction over the street or highway. Fire hydrants on or adjacent to the WORK shall be kept accessible to fire-fighting equipment at all times. Temporary provisions shall be made by the CONTRACTOR to assure the use of sidewalks and the proper functioning of all gutters, storm drain inlets, and other drainage facilities.

D. Traffic Control: For the protection of traffic in public or private streets and ways, the CONTRACTOR shall provide, place, and maintain all necessary barricades, traffic cones, warning signs, lights, and other safety devices in accordance with the requirements of the "Manual of Uniform Traffic Control Devices, Part 6, Temporary Traffic Control," published by U.S. Department of Transportation, Federal Highway Administration (ANSI D6.1) and Section 713 Temporary Traffic Control published by Louisiana Department of Transportation and Development, where the more strict requirements govern.

1. The CONTRACTOR shall take all necessary precautions for the protection of the WORK and the safety of the public. Barricades and obstructions shall be illuminated at night, and all lights shall be kept burning from sunset until sunrise. The CONTRACTOR shall station such guards or flaggers and shall conform to such special safety regulations relating to traffic control as may be required by the public authorities within their respective jurisdictions. Signs, signals, and barricades shall conform to the requirements of Subpart G, Part 1926, of the OSHA Safety and Health Standards for Construction.

2. The CONTRACTOR shall submit 3 copies of a traffic control plan to the ENGINEER for approval a minimum of 2 weeks prior to construction. The ENGINEER shall be allowed access to observe these traffic control plans in use and to make any changes as field conditions warrant. Any changes required by the ENGINEER shall supersede these plans and be done solely at the CONTRACTOR's expense.

3. The CONTRACTOR shall remove traffic control devices when no longer needed, repair all damage caused by installation of the devices, and shall remove post settings and backfill the resulting holes to match grade.

E. Temporary Street Closure: If closure of any street is required during construction, the CONTRACTOR shall apply in writing to the ENGINEER and any other jurisdictional agency at least 30 days in advance of the required closure. A Detour and Traffic Control Plan shall accompany the application.

F. Temporary Driveway Closure: The CONTRACTOR shall notify the owner or occupant (if not owner-occupied) of the closure of the driveways to be closed more than one eight- hour work day at least 3 working days prior to the closure. The CONTRACTOR shall minimize the inconvenience and minimize the time period that the driveways will be closed. The CONTRACTOR shall fully explain to the owner/occupant how long the closure will take and when closure will start.

3.03 CONTRACTOR'S WORK AND STORAGE AREA

A. The OWNER will designate and arrange for the CONTRACTOR's use, a portion of the property adjacent to the WORK for its exclusive use during the term of the Contract as a storage and shop area for its construction operations on the WORK. At completion of WORK, the CONTRACTOR shall return this area to its original condition, including grading and landscaping.

B. The CONTRACTOR shall make its own arrangements for any necessary off-Site storage or shop areas necessary for the proper execution of the WORK.

C. Lands to be furnished by the OWNER for camp sites, construction operation, concrete aggregate pits, roads and other purposes are indicated. Should the CONTRACTOR find it necessary to use any additional land for its camp or for other purposes during the construction of the WORK, it shall arrange for the use of such lands at its own expense.

D. The CONTRACTOR shall construct and use a separate storage area for hazardous materials used in constructing the WORK.

1. For the purpose of this paragraph, hazardous materials to be stored in the separate area are all products labeled with any of the following terms: Warning, Caution, Poisonous, Toxic, Flammable, Corrosive, Reactive, or Explosive. In addition, whether or not so labeled, the following materials shall be stored in the separate area: diesel fuel, gasoline, new and used motor oil, hydraulic fluid, cement, paints and paint thinners, two-part epoxy coatings, sealants, asphaltic products, glues, solvents, wood preservatives, sand blast materials, and spill absorbent.

2. Hazardous materials shall be stored in groupings according to the Material Safety Data Sheets.

3. The CONTRACTOR shall develop and submit to the ENGINEER a plan for storing and disposing of the materials above.

4. The CONTRACTOR shall obtain and submit to the ENGINEER a single EPA number for wastes generated at the Site.

5. The separate storage area shall meet all the requirements of all authorities having jurisdiction over the storage of hazardous materials.

6. The separate storage area shall be inspected by the ENGINEER prior to construction of the area, upon completion of construction of the area, and upon cleanup and removal of the area.

7. All hazardous materials that are delivered in containers shall be stored in the original containers until use. Hazardous materials that are delivered in bulk shall be stored in containers that meet the requirements of authorities having jurisdiction.

3.04 PARKING

1. The CONTRACTOR shall direct its employees to park in areas as directed by the OWNER.

2. Traffic and parking areas shall be maintained in a sound condition, free of excavated material, construction equipment, mud, and construction materials. The CONTRACTOR shall repair breaks, potholes, low areas which collect standing water, and other deficiencies.

3. The WORK under this contract is to be executed in close proximity of the S&J MHP and Tammany MHP and other businesses. The CONTRACTOR will be allowed to bring construction equipment and construction vehicles onto the site as necessary in the execution of this contract but may be required to relocate them if their presence interferes with the operations of the MHPs or businesses. All roadways must remain open throughout the entire construction period.

END OF SECTION

SECTION 01 32 13 - SCHEDULING AND REPORTING

PART 1 -- GENERAL

1.01 GENERAL

A. The scheduling of the WORK under the Contract shall be performed by the CONTRACTOR in accordance with the requirements of this Section.

1.02 INITIAL SCHEDULE SUBMITTALS

A. The CONTRACTOR shall submit two short term schedule documents at the Preconstruction Conference which shall serve as the CONTRACTOR's Plan of Operation for the initial 60 day period of the Contract Time and to identify the manner in which the CONTRACTOR intends to complete all work within the Contract Time. The CONTRACTOR shall submit (1) a 60 day Plan of Operation bar chart, and (2) a project overview bar chart type plan for all work as indicated below.

1. Sixty-Day Plan of Operation: During the initial 60 days of the Contract Time, the CONTRACTOR shall conduct Contract operations in accordance with the 60 day bar chart Plan of Operation. The bar chart so prepared and submitted shall show the accomplishment of the CONTRACTOR's early activities including mobilization, permits, submittals necessary for early material and equipment procurement, submittals necessary for long lead equipment procurement, initial site work and other submittals and activities required in the first 60 days.

2. Project Overview Bar Chart: The overview bar chart shall indicate the major components of the project work and the sequence relations between major components and subdivisions of major components. The overview bar chart shall indicate the relationships and time frames in which the various components of the WORK will be made substantially complete and placed into service in order to meet the project milestones. Sufficient detail shall be included for the identification of subdivisions of major components into such activities as: (1) major structural work; (2) major mechanical work; (3) major electrical work; (4) instrumentation and control work; and (5) other important work for each major facility within the overall project scope. Planned durations and start dates shall be indicated for each work item subdivision. Each major component and subdivision component shall be accurately plotted on time scale sheets. Not more than four sheets shall be employed to represent this overview information.

B. The ENGINEER and the CONTRACTOR shall meet to review and discuss the 60-day plan of operations and project overview bar chart within 5 days after they have been submitted to the ENGINEER. The ENGINEER's review and comment on the schedules shall be limited to Contract conformance (with the sequencing and milestone requirements as stated in Section 01 11 00 – Summary of Work). The CONTRACTOR shall make corrections to the schedules necessary to comply with the Contract requirements and shall adjust the schedules to incorporate any missing information requested by the ENGINEER.

1.03 PROJECT STATUS REPORTING

A. In addition to the submittal requirements identified in this Section, the CONTRACTOR shall provide monthly project status reports (Overview Bar Chart and a written narrative report) to be submitted in conjunction with the request for pay application. Status reporting shall be in the form specified below.

B. The CONTRACTOR shall prepare and submit monthly an Overview Bar Chart schedule of the major project components. The overview bar chart schedule shall be a summary of the current schedule (original and as updated and adjusted throughout the entire construction period). It shall be limited to not more than four sheets which shall not exceed 36-inch by 60-inch. The major project components shall be represented as time bars, which shall be subdivided into various types of work, including demolition, concrete construction, mechanical, electrical, and instrumentation installations. Major components shall include each new structure by area designation, sitework, modifications to existing structures, tie-ins to existing facilities, and plant startups.

C. The CONTRACTOR shall prepare monthly written narrative reports of the status of the project for submission to the ENGINEER. Written status reports shall include:

1. The status of major project components (Percent Complete, amount of time ahead or behind schedule) and an explanation of how the project will be brought back on schedule if delays have occurred.

2. The progress made on critical activities indicated on the schedule.

3. Explanations for any lack of work on critical path activities planned to be performed during the last month.

4. Explanations for any schedule changes, including changes to the logic or to activity durations.

5. A list of the critical activities scheduled to be performed in the next two-month period.

6. The status of major material and equipment procurement.

7. The value of materials and equipment properly stored at the site, but not yet incorporated into the work-in-place.

8. Any delays encountered during the reporting period.

9. An assessment of inclement weather delays and impacts to the progress of the WORK.

D. The CONTRACTOR may include any other information pertinent to the status of the project. The CONTRACTOR shall include additional status information requested by the ENGINEER.

PART 2 -- PRODUCTS (NOT USED)

PART 3 --EXECUTION (NOT USED)

END OF SECTION

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SECTION 01 33 00 – SUBMITTAL PROCEDURES

PART 1 -- GENERAL

1.01 GENERAL

A. Wherever submittals are required in the Contract Documents, submit them to the ENGINEER.

1.02 PRECONSTRUCTION CONFERENCE SUBMITTALS

A. At the preconstruction conference required by Section 01 11 00 - Summary of Work, the CONTRACTOR shall submit the following items to the ENGINEER for review:

1. A preliminary schedule of Shop Drawings, Samples, and proposed Substitute ("Or-Equal") submittals listed in the Bid.

2. A list of permits and licenses the CONTRACTOR shall obtain, indicating the agency required to grant the permit, the expected date of submittal for the permit, and required date for receipt of the permit.

3. A preliminary schedule of values in accordance with this Section.

4. A 60-day plan of operation in accordance with Section 01 32 13 – Scheduling and Reporting.

5. A project overview bar chart in accordance with Section 01 32 13 - Scheduling and Reporting.

1.03 SCHEDULE OF VALUES

A. Submit Preliminary Schedule of Values at the Preconstruction Conference.

B. Submit Schedule of Values incorporating comments provided by ENGINEER with or prior to the Initial Application for Payment.

C. Schedule of Values shall be based on the accepted Bid Form. Schedule of Values may break down a Bid Item into more than one Schedule of Values item for ease of field verification of quantities.

D. For items on which progress payments will be requested for stored materials, break down the value into:

1. The total installed and operational value, with CONTRACTOR’S overhead and profit and less item 2. as defined below

2. The cost of the materials, delivered and unloaded, with taxes paid.

E. The sum of any Bid Item that has been broken into more than one Schedule of Values item shall total the amount of the Bid Item.

F. The sum of the values of all items listed in the Schedule of Values shall equal the agreed final Contract Amount.

G. The Bid Form shall serve as the basis for the Schedule of Values. The Schedule of Values shall serve as the basis for the Application for Payment.

H. The first progress payment will not be made until the next pay cycle following the approval of the Schedule of Values.

1.04 APPLICATIONS FOR PAYMENT

A. Format and data required:

1. Submit payment requests in the form required by ENGINEER with itemized data typed on 8.5" by 11" white paper continuation sheets.

2. Provide itemized data on continuation sheet.

3. Format, schedules, pay items.

B. SUBMITTAL PROCEDURE

1. Number: Original and one (1) copy of each Application and attachments.

2. Each Application for Payment shall be consistent with previous applications and payments paid by the OWNER.

3. The initial Application for Payment, the Application for Payment at time of Substantial Completion, and the final Application for Payment involve additional requirements.

4. Payment Application Times. The date for each progress payment is on or around the 10th day of each month. The period of construction Work covered by each Application for Payment is the period ending on the last day of the month for each progress payment and starting the day following the end of the preceding period.

5. Payment Application Forms. Use only AIA Document G702 and Continuation Sheets G703 as the form for Application for Payment.

6. Application Preparation. Complete every entry on the form, including execution by a person authorized to sign legal documents on behalf of the Contractor. Incomplete applications will be returned without action.

a. Entries shall match data on the Schedule of Values and CONTRACTOR’s Construction Schedule. Use updated schedules if revisions have been made.

b. Include amounts of Change Orders and Construction Change Directives issued prior to the last day of the construction period covered by the application.

7. Transmittal: Submit executed copies of each Application for Payment to the ENGINEER; all copies shall be complete, including waivers of lien and similar attachments, when required.

    a. Transmit each copy with a transmittal letter listing attachments, and recording appropriate information related to the application.

8. Initial Application for Payment: Provide the following, if applicable, administrative actions and submittals prior to or with the first Application for Payment:

    a. List of subcontractors.

    b. List of principal suppliers and fabricators.

    c. CONTRACTOR’s Construction Schedule (preliminary if not final).

    d. Schedule of Values.

    e. Submittal Schedule (preliminary if not final).

    f. List of Contractor's staff assignments.

    g. Copies of building permits.

    h. Initial progress report.

    i. Report of pre-construction meeting.

9. Application for Payment at Substantial Completion. Following issuance of the Certificate of Substantial Completion. Provide the following prior to or with this application:

    a. Warranties (guarantees) and maintenance agreements.

    b. Final cleaning.

    c. List of incomplete Work, recognized as exceptions to OWNER's Certificate of Substantial Completion.

10. Final Payment Application. Provide the following administrative actions and submittals prior to or with submittal of the final payment Application for Payment:

    a. Completion of Project closeout requirements.

    b. Completion of items specified for completion after Substantial Completion.

    c. Assurance that unsettled claims will be settled.

d. Assurance that Work not complete and accepted will be completed without undue delay.

e. Transmittal of required Project construction records to OWNER.

f. Removal of temporary facilities and services.

g. Removal of surplus materials, rubbish and similar elements.

h. Maintenance instructions.

1.05 SHOP DRAWINGS

A. Wherever called for in the Contract Documents or where required by the ENGINEER, the CONTRACTOR shall furnish to the ENGINEER for review, two (2) copies plus one reproducible copy, of each Shop Drawing submittal. Shop Drawings may include detail design calculations, shop-prepared drawings, fabrication and installation drawings, erection drawings, lists, graphs, catalog sheets, data sheets, and similar items. Whenever the CONTRACTOR is required to submit design calculations as part of a submittal, such calculations shall bear the signature and seal of an engineer registered in the appropriate branch and in the state wherein the project is located, unless otherwise indicated.

B. Shop Drawing submittals shall be accompanied by the ENGINEER's standard submittal transmittal form, a reproducible copy of which is available from the ENGINEER. A submittal without the form or where applicable items on the form are not completed will be returned for resubmittal.

C. Organization

1. A single submittal transmittal form shall be used for each technical specification section or item or class of material or equipment for which a submittal is required. A single submittal covering multiple sections will not be acceptable, unless the primary specification references other sections for components. Example: if a pump section references other sections for the motor, shop-applied protective coating, anchor bolts, local control panel, and variable frequency drive, a single submittal would be acceptable. A single submittal covering vertical turbine pumps and horizontal split case pumps would not be acceptable.

2. On the transmittal form, index the components of the submittal and insert tabs in the submittal to match the components. Relate the submittal components to specification paragraph and subparagraph, Drawing number, detail number, schedule title, room number, or building name, as applicable.

4. Unless indicated otherwise, terminology and equipment names and numbers used in submittals shall match those used in the Contract Documents.

D. Format

1. Minimum sheet size shall be 8.5-inches by 11-inches. Maximum sheet size shall be 24-inches by 36-inches. Every page in a submittal shall be numbered in sequence. Each copy of a submittal shall be collated and stapled or bound, as appropriate. The ENGINEER will not collate sheets or copies.

2. Where product data from a manufacturer is submitted, clearly mark which model is proposed, with complete pertinent data capacities, dimensions, clearances, diagrams, controls, connections, anchorage, and supports. Sufficient level of detail shall be presented for assessment of compliance with the Contract Documents.

3. Each submittal shall be assigned a unique number. Submittals shall be numbered sequentially, and the submittal numbers shall be clearly noted on the transmittal. Original submittals shall be assigned a numeric submittal number followed by a period and version number to distinguish between the original submittal and each resubmittal. For example, the initial version of submittal 025 shall be numbered “025.1”. If it requires a resubmittal, the first resubmittal (second version) will bear the designation "025.2" and the second resubmittal (third version) will bear the designation "025.3" and so on.

E. Disorganized submittals that do not meet the requirements of the Contract Documents will be returned without review.

F. Except as may otherwise be indicated, the ENGINEER will return prints of each submittal to the CONTRACTOR with comments noted thereon, within 30 Days following receipt by the ENGINEER. It is considered reasonable that the CONTRACTOR will make a complete and acceptable submittal to the ENGINEER by the first resubmittal on an item. The OWNER reserves the right to withhold monies due to the CONTRACTOR to cover additional costs of the ENGINEER's review beyond the first resubmittal. The ENGINEER'S maximum review period for each submittal or resubmittal will be 30 Days. Thus, for a submittal that requires 2 resubmittals before it is complete, the maximum review period could be 90 Days.

G. If a submittal is returned to the CONTRACTOR marked "NO EXCEPTIONS TAKEN," formal revision and resubmission will not be required.

H. If a submittal is returned marked "MAKE CORRECTIONS NOTED," CONTRACTOR shall make the corrections on the submittal, but formal revision and resubmission will not be required.

I. If a submittal is returned marked "AMEND-RESUBMIT," the CONTRACTOR shall revise it and shall resubmit the required number of copies to the ENGINEER for review. Resubmittal of portions of multi-page or multi-drawing submittals will not be allowed. For example, if a Shop Drawing submittal consisting of 10 drawings contains one drawing noted as "AMEND - RESUBMIT," the submittal as a whole is deemed "AMEND - RESUBMIT," and 10 drawings are required to be resubmitted.

J. If a submittal is returned marked "REJECTED-RESUBMIT," it shall mean either that

the proposed material or product does not satisfy the specification, the submittal is so incomplete that it cannot be reviewed, or is a substitution request not submitted in accordance with the Contract Documents. The CONTRACTOR shall prepare a new submittal and shall submit the required number of copies to the ENGINEER for review.

K. Resubmittal of rejected portions of a previous submittal will not be allowed. Every change from a submittal to a resubmittal or from a resubmittal to a subsequent resubmittal shall be identified and flagged on the resubmittal.

L. Fabrication of an item may commence only after the ENGINEER has reviewed the pertinent submittals and returned copies to the CONTRACTOR marked either "NO EXCEPTIONS TAKEN" or "MAKE CORRECTIONS NOTED." Corrections indicated on submittals shall be considered as changes necessary to meet the requirements of the Contract Documents and shall not be taken as changes to the contract requirements.

M. Submittals shall be carefully reviewed by an authorized representative of the CONTRACTOR prior to submission to the ENGINEER. Each submittal shall be dated and signed by the CONTRACTOR as being correct and in strict conformance with the Contract Documents. In the case of Shop Drawings, each sheet shall be so dated and signed. Any deviations from the Contract Documents shall be noted on the transmittal sheet. The ENGINEER will only review submittals that have been so verified by the CONTRACTOR. Non-verified submittals will be returned to the CONTRACTOR without action taken by the ENGINEER, and any delays caused thereby shall be the total responsibility of the CONTRACTOR.

N. Corrections or comments made on the CONTRACTOR's Shop Drawings during review do not relieve the CONTRACTOR from compliance with Contract Drawings and Specifications, and correctness of details and dimensions. Review is for conformance to the design concept and general compliance with the Contract Documents only. The CONTRACTOR is responsible for confirming and correlating quantities and dimensions, any misfits due to any errors in submittals, the design of adequate connections and details, fabrication processes and techniques, coordinating WORK with the trades, and satisfactory and safe performance of the WORK.

1.06 CONTRACTORS'S SCHEDULE

A. The CONTRACTOR's construction schedules and reports shall be prepared and submitted to the ENGINEER in accordance with Section 01 32 13 - Scheduling and Reporting.

1.07 SAMPLES

A. Whenever in the Specifications samples are required, the CONTRACTOR shall submit no less than three (3) samples of each item or material to the ENGINEER for acceptance.

B. Unless otherwise noted, samples shall be submitted no less than twenty-one (21) days prior to ordering such material.

C. Samples shall be individually and indelibly labeled or tagged, indicating the specified physical characteristics and manufacturer's name. Upon acceptance by the ENGINEER, one (1) set of the samples will be stamped and dated by the ENGINEER and returned to the CONTRACTOR, one (1) set of samples will be retained by the ENGINEER, and one (1) set shall remain at the Site until completion of the WORK.

D. Unless indicated otherwise, all colors and textures of items presented in sample submittals shall be from the manufacturer's standard colors and standard materials, products, or equipment lines. If certain samples represent non-standard colors, materials, products, or equipment lines and their selection will require an increase in Contract Times or Price, the CONTRACTOR shall clearly state so on the transmittal page of the submittal.

E. The CONTRACTOR shall schedule sample submittals such that:

1. Sample submittals for color and texture selection are complete and orderly which allows the ENGINEER 45 Days to assemble color panels and select color and texture dependent products and materials without delay to the construction schedule, and

2. After the ENGINEER selects colors and textures, the CONTRACTOR has sufficient time to provide the products or materials without delay to the construction schedule. The Contract Times will not be extended for the CONTRACTOR's failure to allow enough review and approval or selection time, failure to submit all samples requiring color or texture selection, or failure to submit complete or approvable samples.

1.08 TECHNICAL MANUAL

A. The CONTRACTOR shall submit technical operation and maintenance information for each item of mechanical, electrical, and instrumentation equipment in an organized manner in the Technical Manual. It shall be written so that it can be used and understood by the OWNER's operation and maintenance staff.

B. The Technical Manual shall be subdivided first by specification section number; second, by equipment item; and last, by "Category." The following "Categories" shall be addressed (as applicable):

1. Category 1 - Equipment Summary

a. Summary: A table shall indicate the equipment name, equipment number, and process area in which the equipment is installed.

b. Form: The ENGINEER will supply an Equipment Summary Form for each item of mechanical, electrical, and instrumentation equipment in the WORK. The CONTRACTOR shall fill in the relevant information on the form and include it in Part 1.

2. Category 2 - Operational Procedures

    a. Procedures: Manufacturer-recommended procedures on the following shall be included in Part 2:

        1) Installation.

        2) Adjustment.

        3) Startup.

        4) Location of controls, special tools, equipment required, or related instrumentation needed for operation.

        5) Operation procedures.

        6) Load changes.

        7) Calibration.

        8) Shutdown.

        9) Troubleshooting.

        10) Disassembly.

        11) Reassembly.

        12) Realignment.

        13) Testing to determine performance efficiency.

        14) Tabulation of proper settings for pressure relief valves, low and high pressure switches, and other protection devices.

        15) List of all electrical relay settings including alarm and contact settings.

3. Category 3 - Preventive Maintenance Procedures

    a. Procedures: Preventive maintenance procedures shall include manufacturer-recommended procedures to be performed on a periodic basis, both by removing and replacing the equipment or component, and by maintaining the equipment in place.

    b. Schedules: Recommended frequency of preventive maintenance procedures shall be included. Lubrication schedules, including lubricant SAE grade, type, and temperature ranges, shall be covered.

4. Category 4 - Parts List

    a. Parts List: A complete parts shall be furnished, including a generic description and manufacturer's identification number for each part. Addresses and telephone numbers of the nearest supplier and parts warehouse shall be included.

    b. Drawings: Cross-sectional or exploded view drawings shall accompany the parts list. Part numbers shall appear on the drawings with arrows to the corresponding part.

5. Category 5 - Wiring Diagrams

    a. Diagrams: Category 5 shall include complete internal and connection wiring diagrams for electrical equipment items.

6. Category 6 - Shop Drawings

    a. Drawings: This category includes approved shop or fabrication drawings with ENGINEER comments and corrections incorporated, complete with dimensions.

7. Category 7 - Safety

    a. Procedures: This category describes the safety precautions to be taken when operating and maintaining the equipment or working near it.

8. Category 8 - Documentation:

    a. Equipment warranties, affidavits, certifications, calibrations, laboratory test results, etc. required by the Technical Specifications shall be placed in this category.

C. Format

1. The CONTRACTOR shall furnish to the ENGINEER seven (7) identical Technical Manuals. Each set shall consist of one or more volumes, each of which shall be bound in a standard size, 3-ring, looseleaf, vinyl plastic hard cover binder suitable for bookshelf storage. Binder ring size shall not exceed 2.5 inches. A table of contents indicating all equipment in the manuals shall be prepared.

D. SCHEDULE

1. Manuals shall be submitted in final form to the ENGINEER no later than seventy-five percent (75%) of construction completion date. All discrepancies found by the ENGINEER shall be corrected within 30 days from the date of the written notification by the ENGINEER.

E. Incomplete or unacceptable manuals at the seventy-five (75) percent construction

completion point shall constitute sufficient justification to retain the amount in paragraph “Technical Manual Submittals” of Section 01 77 00 – Project Closeout, from any monies due to the CONTRACTOR.

1.09 SPARE PARTS LIST

A. The CONTRACTOR shall furnish to the ENGINEER five (5) identical sets of spare parts information for mechanical, electrical, and instrumentation equipment. The spare parts list shall include those spare parts that each manufacturer recommends be maintained by the OWNER in inventory.

1. Sources and Pricing: The spare parts list shall include a current list price of each spare part. Each manufacturer or supplier shall indicate the name, address, and telephone number of its nearest outlet of spare parts to assist the OWNER in ordering.

2. Format: The CONTRACTOR shall cross-reference spare parts lists to the equipment numbers designated in the Contract Documents. The spare parts lists shall be bound in standard size, 3-ring, loose-leaf, vinyl plastic hard cover binders suitable for bookshelf storage. Binder ring size shall not exceed 2.5 inches.

1.10 PROJECT RECORD DOCUMENTS

A. Maintain on site one set of the following record documents; record actual revisions to the Work:

1. Drawings.

2. Specifications.

3. Addenda.

4. Change Orders and other modifications to the Contract.

5. Reviewed Shop Drawings, Product Data, and Samples.

6. Manufacturer's instruction for assembly, installation, and adjusting.

B. Ensure entries are complete and accurate, enabling future reference by OWNER.

C. Store record documents separate from documents used for construction.

D. Record information concurrent with construction progress, not less than weekly.

E. Record drawings shall be accessible to the ENGINEER at all times during the construction period.

F. Mark every project condition, location, configuration, and any other change or deviation which may differ from the Contract Drawings, including buried or concealed

construction and utility features that are revealed during the course of construction. Special attention shall be given to recording the horizontal and vertical location of buried utilities that differ from the locations indicated, or that were not indicated on the Contract Drawings. Said record drawings shall be supplemented by any detailed sketches as necessary or as CONTRACTOR is directed, to fully indicate the WORK as actually constructed. These record drawings are the CONTRACTOR's representation of as-built conditions, shall include revisions made by addenda and change orders, and shall be maintained up-to-date during the progress of the WORK. Red ink shall be used for alterations and notes. Notes shall identify relevant Change Orders by number and date.

G. Specifications: Legibly mark and record at each product section description of actual products installed, including the following:

1. Manufacturer's name and product model and number.

2. Product substitutions or alternates utilized.

3. Changes made by Addenda and modifications.

H. Record Drawings and Shop Drawings: Legibly mark each item to record actual construction including:

1. Measured depths of foundations in relation to finish floor datum.

2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.

3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.

4. Field changes of dimension and detail.

5. Details not on original Contract Drawings.

I. Upon Substantial Completion of the WORK and prior to final acceptance, the CONTRACTOR shall finalize and deliver a complete set of record documents to the ENGINEER for transmittal to the OWNER, conforming to the construction records of the CONTRACTOR. This set of drawings shall consist of corrected Drawings showing the reported location of the WORK. The information submitted by the CONTRACTOR and incorporated by the ENGINEER into the record drawings will be assumed to be correct, and the CONTRACTOR shall be responsible for the accuracy of such information, and for any errors or omissions that may appear on the record drawings as a result.

J. Final payment will not be acted upon until the record drawings have been completed and delivered to the ENGINEER.

K. There will be no direct payment for furnishing project record documents as specified

above.

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION (NOT USED)

END OF SECTION

SECTION 01 51 00 - TEMPORARY FACILITIES AND CONTROLS

PART 1 -- GENERAL

1.01 GENERAL REQUIREMENTS

A. Provide and maintain administrative facilities within the construction area at the designated site.

B. Types: The types of utility services required for general temporary use at the Site may include the following:

1. Water service (potable for certain uses)

2. Sanitary sewer

3. Electric power service

1.02 JOB CONDITIONS

A. Scheduled Uses: The CONTRACTOR shall, in conjunction with establishment of job progress schedule, establish a schedule for implementation and termination of service for each temporary utility at the earliest feasible time, and when acceptable to OWNER and ENGINEER, change over from use of temporary utility service to permanent service.

PART 2 -- PRODUCTS

2.01 MATERIALS

A. The CONTRACTOR shall provide either new or used materials and equipment, which are in substantially undamaged condition and without significant deterioration and which are recognized in the construction industry, by compliance with appropriate standards, as being suitable for intended use in each case. Where a portion of temporary utility is provided by utility company, the CONTRACTOR shall provide the remaining portion with matching and compatible materials and equipment and shall comply with recommendations of utility company.

PART 3 -- EXECUTION

3.01 FIELD OFFICES AND SHEDS

A. On-site job trailers, tool sheds, equipment, supplies and material must be secured at all times. Office and material trailers shall be anchored. Use of tie-downs and anchors will be in accordance with manufacturer's recommendations and will meet all local building regulations. In the event of a hurricane, secure work site. Equipment that cannot be secured must be removed from site at no cost to the OWNER.

B. Field Office: Not required.

C. Removal: At completion of Work remove buildings, foundations, utility services, and debris. Restore areas.

3.02 INSTALLATION OF TEMPORARY UTILITY SERVICES

A. General: Wherever feasible, the CONTRACTOR shall engage the utility company to install temporary service to project, or as a minimum, to make connection to existing utility service; locate services where they will not interfere with total project construction WORK, including installation of permanent utility services; and maintain temporary services as installed for required period of use; and relocate, modify or extend as necessary from time to time during that period as required to accommodate total project construction WORK.

B. Approval of Electrical Connections: Temporary connections for electricity shall be subject to approval of the ENGINEER and the power company representative, and shall be removed in like manner at the CONTRACTOR's expense prior to final acceptance of the WORK.

C. Separation of Circuits: Unless otherwise permitted by the ENGINEER, circuits used for power purposes shall be separate from lighting circuits.

D. Construction Wiring: Wiring for temporary electric light and power shall be properly installed and maintained and shall be securely fastened in place. Electrical facilities shall conform to the requirements of Subpart K of the OSHA Safety and Health Standards for Construction.

3.03 INSTALLATION OF POWER DISTRIBUTION SYSTEM

A. Power: The CONTRACTOR shall provide power required for its operations under the Contract, and shall provide and maintain all temporary power lines required to perform the WORK in a safe and satisfactory manner.

B. Temporary Power Distribution: The CONTRACTOR shall provide a weatherproof, grounded, temporary power distribution system sufficient for performance of entire WORK of project, including temporary electrical heating where indicated, operation of test equipment and test operation of building equipment and systems which cannot be delayed until permanent power connections are operable, temporary operation of other temporary facilities, including permanent equipment and systems which must be placed in operation prior to use of permanent power connections (pumps, HVAC equipment, elevators, and similar equipment), and power for temporary operation of existing facilities (if any) at the Site during change-over to new permanent power system. Provide circuits of adequate size and proper power characteristics for each use; run circuit wiring generally overhead, and rise vertically in locations where it will be least exposed to possible damage from construction operations and will result in minimal interference with performance of the WORK; provide rigid steel conduit or equivalent raceways for wiring which must be exposed on grade, floors, decks, or other exposures to damage or abuse.

3.04 INSTALLATION OF LIGHTING

A. Construction Lighting: WORK conducted at night or under conditions of deficient daylight shall be suitably lighted to ensure proper WORK and to afford adequate facilities for inspection and safe working conditions.

B. Temporary Lighting: The CONTRACTOR shall provide a general, weatherproof, grounded temporary lighting system in every area of construction work, as soon as overhead floor/roof deck structure has been installed to provide sufficient illumination for safe work and traffic conditions. Run circuit wiring generally overhead, and rise vertically in locations where it will be least exposed to possible damage from construction operations on grade, floors, decks, or other areas of possible damage or abuse.

3.05 WATER SUPPLY

A. General: The CONTRACTOR shall coordinate with the Plant or Pump Station Superintendent for obtaining water service connection. The CONTRACTOR shall provide all facilities necessary to convey the water from the source to the points of use in accordance with the requirements of the Contract Documents.

The water capacity charge and the wet tap fees will be paid by the OWNER. The CONTRACTOR shall pay the fee for water meter and all other charges for water use.

B. The CONTRACTOR shall provide and operate all pumping facilities, pipelines, valves, hydrants, storage tanks, and all other equipment necessary for the adequate development and operation of the water supply system. Water used for domestic purposes shall be free of contamination and shall conform to the requirements of the State and local authorities for potable water. The CONTRACTOR shall be solely responsible for the adequate functioning of its water supply system and shall be solely liable for any claims arising from the use of same, including discharge or waste of water therefrom.

C. Water Connections: The CONTRACTOR shall not make connection to or draw water from any fire hydrant or pipeline without first obtaining permission of the authority having jurisdiction over the use of said fire hydrant or pipeline and from the agency owning the affected water system. For each such connection made, the CONTRACTOR shall first attach to the fire hydrant or pipeline a valve and a meter, if required by the said authority, of a size and type acceptable to said authority and agency. The CONTRACTOR shall pay all permit and water charges.

3.06 INSTALLATION OF SANITARY FACILITIES

A. Toilet Facilities: Fixed or portable chemical toilets shall be provided wherever needed for the use of CONTRACTOR's employees. Toilets at construction job sites shall conform to the requirements of Subpart D, Section 1926.51 of the OSHA Standards for Construction.

B. Sanitary and Other Organic Wastes: The CONTRACTOR shall establish a regular daily

collection of all sanitary and organic wastes. All wastes and refuse from sanitary facilities provided by the CONTRACTOR or organic material wastes from any other source related to the CONTRACTOR's operations shall be disposed of away from the Site in a manner satisfactory to the ENGINEER and in accordance with all laws and regulations pertaining thereto.

3.07 INSTALLATION OF FIRE PROTECTION

A. Fire Protection: The construction plant and all other parts of the WORK shall be connected with the CONTRACTOR's temporary water supply system and shall be adequately protected against damage by fire. Hose connections and hose, water casks, chemical equipment, or other sufficient means shall be provided for fighting fires in the temporary structures and other portions of the WORK, and responsible persons shall be designated and instructed in the operation of such fire apparatus so as to prevent or minimize the hazard of fire. The CONTRACTOR's fire protection program shall conform to the requirements of Subpart F of the OSHA Standards for Construction.

3.08 OPERATIONS AND TERMINATIONS

A. Inspections: Prior to placing temporary utility services into use, the CONTRACTOR shall inspect and test each service and arrange for governing authorities' required inspection and tests, and obtain required certifications and permits for use thereof.

B. Protection: The CONTRACTOR shall maintain distinct markers for underground lines, and protect from damage during excavating operations.

C. Termination and Removal: When need for a temporary utility service or a substantial portion thereof has ended, or when its service has been replaced by use of permanent services, or not later than time of substantial completion, the CONTRACTOR shall promptly remove installation unless requested by ENGINEER to retain it for a longer period. The CONTRACTOR shall complete and restore WORK which may have been delayed or affected by installation and use of temporary utility, including repairs to construction and grades and restoration and cleaning of exposed surfaces.

D. Removal of Water Connections: Before final acceptance of the WORK on the project, all temporary connections and piping installed by the CONTRACTOR shall be entirely removed, and all affected improvements shall be restored to original condition or better, to the satisfaction of the ENGINEER and to the agency owning the affected utility.

END OF SECTION

SECTION 01 77 00 - PROJECT CLOSEOUT

PART 1 -- GENERAL

1.01 FINAL CLEANUP

A. The CONTRACTOR shall promptly remove from the vicinity of the completed WORK, all rubbish, unused materials, concrete forms, construction equipment, and temporary structures and facilities used during construction. Final acceptance of the WORK by the OWNER will be withheld until the CONTRACTOR has satisfactorily performed the final cleanup of the Site.

1.02 CLOSEOUT TIMETABLE

A. The CONTRACTOR shall establish dates for equipment testing, acceptance periods, and on-site instructional periods (as required under the Contract). Such dates shall be established not less than one week prior to beginning any of the foregoing items, to allow the OWNER, the ENGINEER, and their authorized representatives sufficient time to schedule attendance at such activities.

1.03 TECHNICAL MANUAL SUBMITTAL

A. The CONTRACTOR's attention is directed to the condition that one percent (1%) of the Contract Price will be retained from any monies due the CONTRACTOR as progress payments, if at the 75% construction completion point, the approved Technical Manual complying with Section 01 33 00 – Submittal Procedures has not been submitted. The aforementioned amount will be retained by the OWNER as the agreed, estimated value of the approved Technical Manual. Any such retention of money for failure to submit the approved Technical Manual on or before the 75% construction completion point shall be in addition to the retention of any payments due to the CONTRACTOR under Article 28 of the General Conditions.

1.04 FINAL SUBMITTALS

A. The CONTRACTOR, prior to requesting final payment, shall obtain and submit the following items to the ENGINEER for transmittal to the OWNER:

1. Written guarantees, where required.

2. Technical Manuals and instructions.

3. New permanent cylinders and key blanks for all locks.

4. Maintenance stock items; spare parts; special tools.

5. Spare parts list.

6. Completed record drawings.

7. Certificates of inspection and acceptance by local governing agencies having jurisdiction.

8. Releases from all parties who are entitled to claims against the subject project, property, or improvement pursuant to the provisions of law.

1.05 MAINTENANCE AND GUARANTEE

A. The CONTRACTOR shall comply with the maintenance and guarantee requirements contained in Article 21 of the General Conditions.

B. Replacement of earth fill or backfill, where it has settled below the required finish elevations, shall be considered as a part of such required repair work, and any repair or resurfacing constructed by the CONTRACTOR which becomes necessary by reason of such settlement shall likewise be considered as a part of such required repair work unless the CONTRACTOR shall have obtained a statement in writing from the affected private owner or public agency releasing the OWNER from further responsibility in connection with such repair or resurfacing.

C. The CONTRACTOR shall make all repairs and replacements promptly upon receipt of written order from the OWNER. If the CONTRACTOR fails to make such repairs or replacements promptly, the OWNER reserves the right to do the WORK and the CONTRACTOR and its surety shall be liable to the OWNER for the cost thereof.

1.06 BOND

A. The CONTRACTOR shall provide a bond to guarantee performance of the provisions contained in Paragraph "Maintenance and Guarantee" above, and Article 3 of the General Conditions.

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION (NOT USED)

END OF SECTION

LA DOTD SECTION 201 (SPECIAL PROVISION) – CLEARING AND GRUBBING

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required for clearing and grubbing as required by the Drawings and Specifications.

B. Add the following to paragraph 201.01:

1. If CONTRACTOR elects to perform pre-construction site condition survey, clearing shall not commence until the pre-construction survey is completed and approved by the ENGINEER unless otherwise notified by the OWNER or ENGINEER.

2. Clearing shall be performed within the limits of construction, as necessary to complete the work.

3. Any clearing within the project limits required to construct the proposed improvements as shown in the Plans including but not limited to: tree removal, shrub removal, debris removal, etc. Prior to tree removal, mark trees designated for removal with an “X” and submit sketch of tree locations to ENGINEER for approval.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 201 – Clearing and Grubbing

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 NOT USED

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 201.

END OF SECTION

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LA DOTD SECTION 202 (SPECIAL PROVISION) – REMOVING OR RELOCATING STRUCTURES AND OBSTRUCTIONS

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required for the removal or relocation of structures and obstructions as required by the Drawings and Specifications.

B. Add the following to paragraph 202.01:

1. Removal of Structures and Obstructions - Item involves any relocation of utilities and including but not limited to telecommunication pedestals, guide wires, utility poles, or other utility infrastructure, and shall be coordinated with the respective utility provider prior to commencement of construction. Unsalvageable materials designated for removal shall become the property of the CONTRACTOR and shall be removed and disposed of by the CONTRACTOR.

2. Removal of Asphalt Drives – Item involves removal and disposal of pavement at driveways and walkways, designated for removal on the PLANS. Unsalvageable materials designated for removal shall become the property of the CONTRACTOR and shall be removed and disposed of by the CONTRACTOR.

3. Removal of Concrete Drives – Item involves removal and disposal of pavement at driveways and walkways, designated for removal on the PLANS. Unsalvageable materials designated for removal shall become the property of the CONTRACTOR and shall be removed and disposed of by the CONTRACTOR.

4. Removal of Existing Culverts – Item involves removal and disposal of existing culverts, designated for removal on the PLANS. Unsalvageable materials designated for removal shall become the property of the CONTRACTOR and shall be removed and disposed of by the CONTRACTOR.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 202 – Removing or Relocating Structures and Obstructions

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 GENERAL CONSTRUCTION REQUIREMENTS

A. Add the following to paragraph 202.02:

1. Removal of Structures and Obstructions - Any structures, utilities, or miscellaneous obstructions shall be removed or relocated in a permitted, lawful manner. If utility relocation is necessary, the CONTRACTOR shall be responsible for coordination with the respective utility provider.

2. Removal of Asphalt Drives - Construction sequencing for the removal of asphalt pavement shall be included in the Work Plan consistent with the work limitations set forth in these specifications. CONTRACTOR shall coordinate directly with the landowners to determine the need for temporary access. CONTRACTOR shall provide temporary access to private property at the end of each work day.

3. Removal of Concrete Drives - Construction sequencing for the removal of concrete pavement shall be included in the Work Plan consistent with the work limitations set forth in these specifications. CONTRACTOR shall coordinate directly with the landowners to determine the need for temporary access. CONTRACTOR shall provide temporary access to private property at the end of each work day.

4. Removal of Existing Culverts - Construction sequencing for the removal of existing culverts shall be included in the Work Plan consistent with the work limitations set forth in these specifications.

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Bid Item No. 202-01-00100 Removal of Structures and Obstructions:

1. Measurement and payment shall be as defined in LA DOTD Specification Section 202.

B. Bid Item No. 202-02-02000 Removal of Asphalt Drives:

1. Measurement shall be by the square yard of existing pavement designated to be removed.

2. Payment shall be made at the contract unit price per square yard.

C. Bid Item No. 202-02-06100 Removal of Concrete Drives:

1. Measurement shall be by the square yard of existing pavement designated to be removed.

2. Payment shall be made at the contract unit price per square yard.

D. Bid Item No. 202-02-09000 Removal of Existing Culverts:

1. Measurement shall be by the linear foot of existing culvert designated to be removed.

2. Payment shall be made at the contract unit price per linear foot.

END OF SECTION

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LA DOTD SECTION 203 (SPECIAL PROVISION) – EXCAVATION AND EMBANKMENT

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required for excavation and embankment as required by the Drawings and Specifications.

B. Add the following to paragraph 203.01:

1. General Excavation - Item involves the excavation of material for ditches and channels, and any other miscellaneous excavation required to complete the Work as shown on the PLANS. The excavated material shall be hauled off and disposed of in a lawful, permissible manner unless otherwise directed to be utilized onsite as embankment in the Plans.

2. Pre-Construction Photos and Videos – The CONTRACTOR may conduct thorough pre-construction and post-construction site conditions surveys of the entire Project. Site conditions surveys may consist of photographs, and video recordings.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 203 – Excavation and Embankment

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 GENERAL CONSTRUCTION REQUIREMENTS

A. Add the following to paragraph 203.02:

1. General Excavation - The excavation required to construct the proposed improvements shall be sequenced to minimize the need for dewatering and allow adequate time for stabilization of embankments via respective erosion control measures.

2. Pre-Construction Photos and Videos (NO DIRECT PAY) - Any damage to the existing Parish roads shall be repaired to the same or better condition following

conclusion of construction. CONTRACTOR may document pre- and post-construction conditions by preparing video surveys. Supplement video surveys with photographs, as required, to thoroughly document the original condition and location of existing features and facilities. Video records shall be provided on a thumbdrive in a widely acceptable, readable format. Content shall include the following:

a. Roadways used to access the Site or haul materials and equipment to the Site.

b. Work areas, including actual work sites, materials processing and stockpiling areas, access corridors, disposal areas, and staging areas.

c. Any work completed by other contractors at the Site that will be connected to or otherwise affected by the WORK.

d. Driveways, sidewalks, and buildings which might be affected by the WORK.

e. All adjacent private residences and businesses, including interior, if possible.

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 203.

END OF SECTION

LA DOTD SECTION 204 (SPECIAL PROVISION) – TEMPORARY EROSION CONTROL

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required for temporary erosion control as required by the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 204 – Temporary Erosion Control

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 NOT USED

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 204.

END OF SECTION

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LA DOTD SECTION 401 (SPECIAL PROVISION) – AGGREGATE SURFACE COURSE

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide aggregate surface course as required by the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 401 – Aggregate Surface Course

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 GENERAL CONSTRUCTION REQUIREMENTS

A. Add the following to paragraph 401.04:

401.04.2 Sawcutting: Where required, remove existing surfacing and base materials by sawcutting and perform all required excavation for aggreagate surface course application. Sawcuts shall be for the full depth of the pavement along the perimeter of the aggreagate to be removed as marked by the engineer. Sawcuts shall be made with a diamond bladed concrete saw for the full depth of aggregate surface course application.

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 401.

B. Add the following to paragraph 401.09.2:

401.09.2.1 Saw-cutting, removal of existing surfacing, and required excavation, will not be measured for payment.

END OF SECTION

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LA DOTD SECTION 402 (SPECIAL PROVISION) – TRAFFIC MAINTENANCE SURFACING

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide traffic maintenance surfacing as required by the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 402 – Traffic Maintenance Surfacing

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 NOT USED

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 402.

END OF SECTION

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LA DOTD SECTION 502 (SPECIAL PROVISION) – ASPHALT CONCRETE MIXTURES

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide asphalt concrete mixtures as required by the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 502 – Asphalt Concrete Mixtures

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 GENERAL CONSTRUCTION REQUIREMENTS

A. Add the following to paragraph 502.01:

502.01.3 Sawcutting: Where required, remove existing surfacing and base materials by sawcutting and perform all required excavation for asphalt application. Sawcuts shall be for the full depth of the pavement along the perimeter of the asphalt to be removed as marked by the engineer. Sawcuts shall be made with a diamond bladed concrete saw for the full depth of asphalt application.

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 502.

B. Add the following to paragraph 502.14:

502.14.2 Saw-cutting, removal of existing surfacing, and required excavation, will not be measured for payment.

END OF SECTION

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LA DOTD SECTION 510 (SPECIAL PROVISION) – ASPHALT CONCRETE PAVEMENT PATCHING, WIDENING, AND JOINT REPAIR

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide asphaltic concrete pavement patching, widening, and joint repair as required by the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 510 – Asphaltic Concrete Pavement Patching, Widening, and Joint Repair

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 NOT USED

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 510.

END OF SECTION

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LA DOTD SECTION 701 (SPECIAL PROVISION) – CULVERTS AND STORM DRAINS

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide culverts and storm drains as required by the Drawings and Specifications.

B. Add the following to paragraph 701.08 BACKFILLING:

701.08.7 Cross Drains – Daily Traffic Restoration:

In addition to the other backfill requirements in this section, trench for Cross Drains shall be backfilled and topped with temporary aggregate at the end of each work day sufficient to restore safe traffic flow. If CONTRACTOR's work to install cross drain requires more than one work day, CONTRACTOR shall backfill and provide temporary aggregate each day as needed to restore traffic flow at the end of each work day at no direct pay. Pay for backfill and temporary aggregate will be made only once and at the time of final backfill and aggregate placement in accordance with the specifications.

C. Add the following to paragraph 701.10 CLEANING PIPES:

701.10.3 Existing Box Culverts:

Clean designated box culverts of soil, debris, and other materials to the invert of the box culvert by approved methods that will not damage the box culverts. Satisfactory repair all damage caused by CONTRACTOR's operations at no direct pay.

Dispose of removed soil, debris, and other materials in accordance with LA DOTD Section 202.02 or as otherwise approved in writing.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 701 – Culverts and Storm Drains

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 NOT USED

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Bid Item No. 701-01-01020 Cross Drain Pipe:

1. Measurement and payment shall be as defined in LA DOTD Specification Section 701.

B. Bid Item No. 701-03-01015/01020/01040/01060/01080 Storm Drain Pipe:

1. Measurement and payment shall be as defined in LA DOTD Specification Section 701.

C. Bid Item No. 701-04-01060 Storm Drain Pipe Arch:

1. Measurement and payment shall be as defined in LA DOTD Specification Section 701.

D. Bid Item No. 701-14-02000 Cleaning Existing Box Culverts:

1. Measurement shall be by the one lump sum for the cleaning of both of the two (2) box culverts called for in the Plans.

2. Payment shall be made at the contract unit price per lump sum.

END OF SECTION

LA DOTD SECTION 702 (SPECIAL PROVISION) – MANHOLES, JUNCTION BOXES, CATCH BASINS, AND END TREATMENTS

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide manholes, junction boxes, catch basin, and end treatments as required by the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 702 – Manholes, Junction Boxes, Catch Basins, and End Treatments

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 GENERAL CONSTRUCTION REQUIREMENTS

A. Add the following to paragraph 702.04.2:

> 702.04.2.6 RipRap Placement: Riprap placement shall conform to the requirements of Section 711.

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 702.

END OF SECTION

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LA DOTD SECTION 706 (SPECIAL PROVISION) – CONCRETE WALKS, DRIVES, AND INCIDENTAL PAVING

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide concrete walks, drives, and incidental paving as required by the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 706 – Concrete Walks, Drives, and Incidental Paving

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 GENERAL CONSTRUCTION REQUIREMENTS

A. Add the following to paragraph 706.03:

706.03.8 Sawcutting: Where required, remove existing surfacing and base materials by sawcutting and perform all required excavation for concrete application. Sawcuts shall be for the full depth of the pavement along the perimeter of the concrete to be removed as marked by the engineer. Sawcuts shall be made with a diamond bladed concrete saw for the full depth of concrete application.

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 706.

B. Add the following to paragraph 706.04:

Saw-cutting, removal of existing surfacing, and required excavation, will not be measured for payment.

END OF SECTION

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LA DOTD SECTION 713 (SPECIAL PROVISION) – TEMPORARY TRAFFIC CONTROL

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide temporary traffic control to facilitate the Work of the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 713 – Temporary Traffic Control

B. See Section 01 31 13 PROJECT COORDINATION for additional requirements.

PART 2 -- PRODUCTS

2.01 NOT USED

2.02 MATERIALS AND/OR EQUIPMENT

A. Provide Traffic Control Plan as required by Section 01 31 13 PROJECT COORDINATION. NO DIRECT PAY.

B. Fabricate and erect project sign per Section 07 PROJECT SIGNS.

PART 3 -- EXECUTION

3.01 NOT USED

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 713.

B. Measurement and payment of project sign shall be as defined in Section 07 PROJECT SIGNS.

END OF SECTION

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LA DOTD SECTION 726 (SPECIAL PROVISION) – BEDDING MATERIAL

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide bedding material as required by the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 726 – Bedding Material

PART 2 -- PRODUCTS

2.01 NOT USED

2.02 MATERIALS AND/OR EQUIPMENT

A. Bedding materials shall be in accordance with LA DOTD Specification Section 1003.10.

PART 3 -- EXECUTION

3.01 GENERAL CONSTRUCTION REQUIREMENTS

A. Bedding material shall be placed and installed per LA DOTD Standard Plan BM-01 and other pertinent details for the construction of the proposed drainage infrastructure.

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 726.

END OF SECTION

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LA DOTD SECTION 727 (SPECIAL PROVISION) – MOBILIZATION

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide mobilization and demobilization as required by the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 727 – Mobilization

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 NOT USED

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 727.

END OF SECTION

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LA DOTD SECTION 739 (SPECIAL PROVISION) – HYDRO-SEEDING

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide hydroseeding as required by the Drawings and Specifications.

B. Obtain the services of an established soil testing entity to coordinate soil sampling, perform testing and analyses, and prepare recommendations for material and procedures to be used during the pre-planting phase of new turf establishment. Test and analyze samples to determine pH and fertility conditions. Use test results and recommendations to determine the quantities of agricultural lime and fertilizer required for pre-planting applications. Provide a copy of this test report with recommendations to ENGINEER. NO DIRECT PAY.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 739 – Hydro-seeding

B. LA DOTD Specification Section 717 Seeding, Table 717-01 for required seed type respective to time of planting.

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 NOT USED

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 739.

END OF SECTION

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LA DOTD SECTION 740 (SPECIAL PROVISION) – CONSTRUCTION LAYOUT

PART 1 -- GENERAL

1.01 SUMMARY

A. The CONTRACTOR shall furnish all labor, supervision, materials and equipment required to provide construction layout as required by the Drawings and Specifications.

1.02 REFERENCES

A. Where this Specification modifies the requirements of the referenced documents, this Specification shall prevail. Where the requirements of the referenced documents are not modified, they shall govern the Work of the Project as if bound herein. Where a referenced document refers to another document, it shall also govern the Work of the Project as if bound herein.

LA DOTD Specification Section 740 – Construction Layout

PART 2 -- PRODUCTS (NOT USED)

PART 3 -- EXECUTION

3.01 NOT USED

3.02 NOT USED

3.03 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be as defined in LA DOTD Specification Section 740.

END OF SECTION

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LADOTD AND ST. TAMMANY STANDARD PLANS

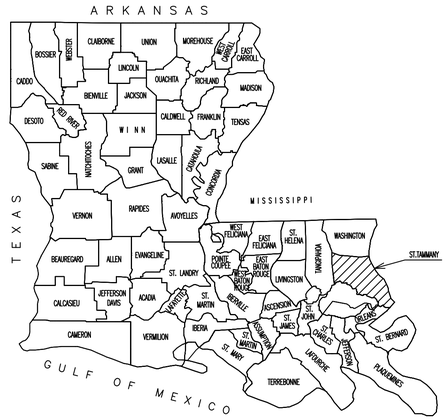
SEWER EFFLUENT DISCHARGE PIPE TIE-IN
BM-01
CB-01
DW-01
EC-01
MC-01
TTC-00
TTC-04

ST. TAMMANY PARISH
DEPT. OF ENGINEERING

PLANS OF PROPOSED

CASRIL DRIVE DRAINAGE IMPROVEMENTS

PARISH PROJECT NO. EN24000002



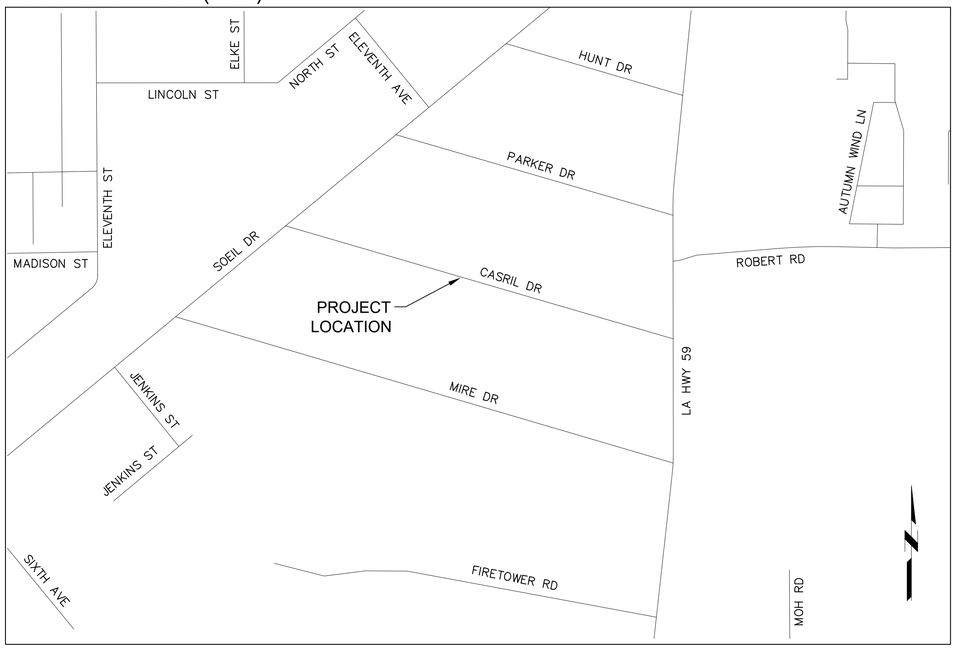
DATUM USED
VERTICAL: NAVD88 GEOID 12B BY RTK GPS OBSERVATION

HORIZONTAL: LOUISIANA STATE PLANE (NAD83) SOUTH ZONE (1702) BY RTK GPS OBSERVATION

SCALES	FULL/HALF
PLAN:	1" = 20'/40'
PROFILE HOR.:	1" = 20'/40'
PROFILE VERT.:	1" = 2'/4'

NOTE:
ALL DISTANCES AND BEARINGS SHOWN ARE BASED ON GRID COORDINATES THE APPROPRIATE SCALE FACTOR MUST BE USED TO CONVERT TO GROUND DISTANCES AND THE APPROPRIATE CONVERGENCE MUST BE USED TO CONVERT TO TRUE BEARINGS

LOCATION MAP (NTS)



MICHAEL COOPER, PARISH PRESIDENT

COUNCIL MEMBERS

RICK SMITH	PAT BURKE
LARRY ROLLING	DAVID COUGLE
MARTHA CAZAUBON	MAUREEN O'BRIEN
KATHY SEIDEN	ARTHUR LAUGHLIN
PAT PHILLIPS	JERRY BINDER
CHERYL TANNER	JEFF CORBIN
JOE IMPASTATO	JIMMY STRICKLAND

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET & LAYOUT MAP
2	GENERAL NOTES
3	GEOMETRIC LAYOUT
4-5	DRAINAGE MAP
6-7	DRAINAGE TABLES
8	SUMMARY OF QUANTITIES
9-16	PLAN AND PROFILE

CONTRACTOR LICENSE CLASSIFICATION:
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION

TYPE OF CONSTRUCTION:
REMOVAL/INSTALLATION OF SIDE DRAIN PIPE.
REMOVAL/INSTALLATION OF DRIVEWAYS.
DRAINAGE EXCAVATION.

NOTE:
THE 2016 LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES AS AMENDED BY THE PROJECT SPECIFICATIONS SHALL GOVERN ON THIS PROJECT.

STATE OF LOUISIANA
REGINA A. CASSANOVA
License No. 35639
PROFESSIONAL ENGINEER
9/8/2025

REV | DESCRIPTION | DATE | BY

PREPARED FOR: ST. TAMMANY PARISH GOVERNMENT

Trigon Associates, llc
1515 Poydras St., Ste 930
New Orleans, LA 70112
www.trigonassociates.com

DESIGNED: ELV | CHECKED: RAC
DRAWN: JPH | APPROVED: RAC

ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

TITLE SHEET & LAYOUT MAP

FILE NAME: - | SUBMITTAL DATE: SEPTEMBER, 2025 | SCALE: AS NOTED

STP PROJECT NO. EN24000002

DRAWING NO. COVER

SHEET 1 OF 16

GENERAL NOTES:

1. CONTRACTOR SHALL THOROUGHLY REVIEW ALL PLANS AND SPECIFICATIONS, SHALL PREPARE DETAILED MATERIAL TAKE–OFFS AND SHALL ESTIMATE HIS LABOR AND MATERIAL QUANTITIES AND COSTS ACCORDINGLY BEFORE SUBMITTING HIS BID. ANY WORK, CONSTRUCTION MATERIALS, FITTINGS, AND APPURTENANCES REQUIRED BY THE PLANS AND SPECIFICATIONS, (INCLUDING FITTINGS AND MATERIALS AT ALL TIE–IN POINTS) AND NOT OTHERWISE IDENTIFIED AS A PAY ITEM OR A MATERIAL TAKE–OFF ITEM, SHALL BE DEEMED INCIDENTAL TO CONSTRUCTION AND SHALL BE PERFORMED, SUPPLIED AND INSTALLED AT NO ADDITIONAL PAY.
2. CONTRACTOR SHALL MAINTAIN A SAFE INGRESS AND EGRESS FOR ADJACENT PROPERTIES AT ALL TIMES DURING CONSTRUCTION.
3. CONTRACTOR SHALL PROTECT PROPERTY AND IMPROVEMENTS ADJACENT TO PROJECT WORKZONE FROM DAMAGE INCLUDING MAILBOXES. CONTRACTOR SHALL REPAIR AND/OR REPLACE PROPERTY DAMAGED AS A RESULT OF CONTRACTOR'S CONSTRUCTION OPERATIONS AT CONTRACTOR'S OWN EXPENSE. ALL REPAIR WORK SHALL BE TO THE SATISFACTION OF ST. TAMMANY PARISH.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR AND PROVIDE ALL DESIGN SERVICES, MATERIALS AND LABOR NECESSARY FOR SHEETING, SHORING AND BRACING OF SUPPORTS, AS REQUIRED, TO MAINTAIN TRENCHES IN A SAFE WORKING CONDITION. TRENCH PROTECTION SHALL BE IN ACCORDANCE WITH OSHA REGULATIONS. CONTRACTOR SHALL PROVIDE FOR PROTECTION AND SUPPORT OF UTILITIES, ROADWAYS, BUILDINGS, AND STRUCTURES WHEN PERFORMING THE WORK. CONTRACTOR SHALL PROVIDE AN ADEQUATE SYSTEM TO WITHSTAND LATERAL PRESSURE IN TRENCHES. CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT SITE SAFETY.
5. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE WITHIN CONSTRUCTION LIMITS AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY EQUIPMENT, MATERIAL, LABOR AND SUPERVISION FOR THE PLUGGING, BLOCKING, PUMPING, AND BYPASSING OF STORMWATER FLOW WHEN REQUIRED, AT NO ADDITIONAL COST TO OWNER.
6. ALL SIDEWALKS AND DRIVEWAYS DAMAGED BY CONTRACTOR DURING CONSTRUCTION, WHICH IN THE OPINION OF THE ENGINEER ARE OUTSIDE OF THE LIMITS OF CONSTRUCTION, SHALL BE REPLACED BY CONTRACTOR AT CONTRACTOR'S OWN EXPENSE.
7. CONTRACTOR IS REQUIRED TO SAW CUT (FULL DEPTH) SIDEWALKS, DRIVEWAYS, CONCRETE, ASPHALTIC CONCRETE, ASPHALTIC OVERLAY, AND OTHER PAVEMENTS TO ENSURE A STRAIGHT LINE BETWEEN OLD AND NEW WORK.
8. CONTRACTOR SHALL REGRADE ALL AREAS AFFECTED BY CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING. ALL WORK SHALL BE IN A WORKMANLIKE MANNER ACCEPTABLE TO ST. TAMMANY PARISH. THE GUTTER LINE OF ROADWAYS SHALL BE ADJUSTED FOR SMOOTH FLOW OF SURFACE RUNOFF TO THE NEAREST DRAINAGE INLET.
9. ANY FENCE REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REBUILT TO EQUAL OR BETTER CONDITION OR REPLACED WITH NEW FENCE, IN KIND, BACK TO THE EXISTING RIGHT–OF–WAY OR PROPERTY LINE. FENCING MATERIALS AND INSTALLATION SHALL REQUIRE APPROVAL OF THE ENGINEER AND THE PROPERTY OWNER. TEMPORARY FENCE SHALL BE INSTALLED WHERE REQUESTED BY THE PROPERTY OWNERS OR PARISH.
10. CONTRACTOR SHALL TAKE REASONABLE MEASURES TO AVOID UNNECESSARY NOISE AND MAINTAIN LEVELS APPROPRIATE TO THE AMBIENT SOUND LEVELS IN THE AREA. ALL CONSTRUCTION MACHINERY AND VEHICLES SHALL BE EQUIPPED WITH PRACTICAL SOUND MUFFLING DEVICES AND OPERATED IN A MANNER TO CAUSE THE LEAST NOISE, CONSISTENT WITH EFFICIENT PERFORMANCE OF THE WORK (NO DIRECT PAY).
11. PROJECT CONSTRUCTION IS TO REMAIN WITHIN THE PUBLIC RIGHT–OF–WAY AND/OR UTILITY SERVITUDE. R.O.W.S AND SERVITUDES ARE THE ESTABLISHED CONSTRUCTION LIMITS. ANY ENCROACHMENT OUTSIDE THESE LIMITS WILL BE THE CONTRACTOR'S LIABILITY.
12. CONTRACTOR MAY MAKE AND RETAIN VIDEO RECORD BEFORE CONSTRUCTION BEGINS AND AGAIN AFTER PROPERTY IS RESTORED (NO DIRECT PAY).
13. CONTRACTOR IS RESPONSIBLE FOR CLEANING AND/OR REMOVING ALL DIRT AND DEBRIS FROM THE STREET FOR ALL CONSTRUCTION SITES DURING THE CONTRACT PERIOD AND BEFORE DEMOBILIZING. WHEN WORK IS COMPLETE OR WORK WILL NOT BE PERFORMED THE FOLLOWING CALENDAR DAY, ALL EQUIPMENT, MATERIALS AND SUPPLIES SHALL BE MOVED FROM THE CONSTRUCTION SITE TO APPROVED LAYDOWN AREAS. ALL EQUIPMENT, MATERIALS AND SUPPLIES SHALL BE CLEANED UP AND MOVED FROM THE CONSTRUCTION SITE TO APPROVED LAYDOWN AREAS BY THE END OF EACH WORK WEEK AND THE END OF THE WORK DAY PRIOR TO HOLIDAYS.
14. CONTRACTOR SHALL AT ALL TIMES CONDUCT OPERATIONS AS TO ENSURE THE LEAST INCONVENIENCE TO THE GENERAL PUBLIC, ADJACENT PROPERTY OWNERS AND BUSINESSES. CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL PROPERTIES, DRIVEWAYS AND TRAFFIC FLOW IN ROADWAYS AT ALL TIMES. STREET CLOSURES SHALL BE COORDINATED WITH OWNER, DOTD, AND ST. TAMMANY PARISH FIRE AND POLICE DEPARTMENTS.
15. CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PREVENT UNNECESSARY DUST. SURFACES SUBJECT TO CREATING DUST SHALL BE KEPT MOIST WITH WATER OR BY APPLICATION OF CHEMICAL DUST SUPPRESSANT. DUSTY MATERIAL IN PILES OR IN TRANSIT SHALL BE COVERED TO PREVENT BLOWING (NO DIRECT PAY).
16. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL MEASURES DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO SIGNAGE, BARRICADES, WARNING LIGHTS, DEVICES, AND FLAGMEN. TRAFFIC CONTROL MEASURES SHALL COMPLY WITH "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (LATEST EDITION) AND SHALL BE INSTALLED AS INDICATED IN THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLAN.
17. CONTRACTOR SHALL NOT REMOVE OR ALTER ANY TRAFFIC SIGNS OR SIGNALS WITHOUT APPROVAL FROM ST. TAMMANY PARISH IN WRITING THREE (3) WORKING DAYS IN ADVANCE, DETAILING WHEN CONTROLS ARE TO BE REMOVED OR ALTERED AND REINSTALLED. CONTRACTOR ACCEPTS ALL LIABILITIES DURING AND AFTER REMOVAL OR ALTERATION OF SIGNS AND SIGNALS. ALL SIGNS, SIGNALS AND MARKINGS REMOVED, ALTERED OR DAMAGED BY CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL POSITION, CONDITION AND ORIENTATION ONCE WORK IS COMPLETE IN THE IMMEDIATE AREA OF CONSTRUCTION.
18. ALL EXISTING TRAFFIC CONTROL DEVICES WHICH ARE IN CONFLICT WITH THE CONSTRUCTION WORK ZONE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED BY CONTRACTOR. ALL EXISTING DEVICES LEFT IN THE CONSTRUCTION WORK ZONE SHALL BE MAINTAINED IN GOOD CONDITION BY CONTRACTOR DURING THE COURSE OF CONSTRUCTION.
19. CONTRACTOR SHALL PROTECT ALL TREES, SHRUBBERY AND PLANTS FROM DAMAGE. CONTRACTOR SHALL NOT BREAK OR DAMAGE ROOTS BY PULLING THEM WITH DIGGING MACHINES. CONTRACTOR SHALL REPLACE ANY DAMAGED TREES/SHRUBBERY/PLANTS IN KIND AT CONTRACTOR'S EXPENSE.
20. SMALL TREES (DIAMETER LESS THAN 8 INCHES) MAY BE RELOCATED AT THE DISCRETION OF THE ENGINEER.
21. BRANCHES AND ROOTS OF TREES SHALL NOT BE PRUNED OR CUT UNLESS REQUESTED IN WRITING BY THE CONTRACTOR AND AUTHORIZED BY THE OWNER. ALL APPROVED TREE REMOVALS AND RELOCATIONS, BRANCH PRUNING OR ROOT CUTTING SHALL BE PERFORMED BY A LICENSED ARBORIST.
22. CONTRACTOR SHOULD NOTE THAT THE PROJECT RIGHT–OF–WAY CONTAINS TREES THAT MAY CONFLICT WITH CONSTRUCTION ACTIVITIES. TREES TO BE REMOVED FOR INSTALLATION OF THE DRAINAGE IMPROVEMENTS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH SPECIFICATION SECTION 201SP.
23. CONTRACTOR SHALL REQUEST PERMISSION IN WRITING FROM THE OWNER IF CONTRACTOR WISHES TO WORK ON A ST TAMMANY PARISH HOLIDAY OR WEEKEND DAY. CONTRACTOR SHALL REQUEST AND OBTAIN PERMISSION FROM THE OWNER TO WORK OUTSIDE THE REGULAR WORKING HOURS OF 7:00 AM TO 6:00 PM.
24. THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATION MATERIAL, CONCRETE PAVING, OR OTHER CONSTRUCTION DEBRIS IN A MANNER ACCEPTABLE TO ST. TAMMANY PARISH AND ENGINEER.
25. ALL WORK IS SUBJECT TO FINAL INSPECTION BY ST. TAMMANY PARISH AND ENGINEER.
26. CONTRACTOR SHALL COORDINATE WITH THE ST. TAMMANY PARISH UTILITY DEPARTMENT.
27. SITE FEATURES SHOWN IN THESE DRAWINGS WERE DOCUMENTED FROM ABOVE GROUND FIELD OBSERVATIONS. FEATURES LOCATED BELOW GRADE WERE NOT VERIFIED FOR MATERIAL TYPE, SIZE OR GEOMETRY.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND VERIFYING ALL MEASUREMENTS AND GRADES PRIOR TO BEGINNING CONSTRUCTION.
29. CONTRACTOR SHALL LIMIT /RESTRICT SITE ACCESS AND SECURE PROPERTY WHEN NO WORK IS OCCURRING.
30. ENGINEER'S APPROVAL IS REQUIRED FOR ALL SUBSTITUTIONS.
31. CONTRACTOR SHALL PERFORM WORK IN SUCH A MANNER TO MINIMIZE DISRUPTIONS TO THE LOCAL RESIDENTS AND BUSINESSES. CONTRACTOR SHALL NOTIFY RESIDENTS AND BUSINESSES IN ADVANCE IN THE EVENT THAT UTILITIES ARE TO BE DISCONNECTED AND SHALL RESTORE SERVICES AS SOON AS POSSIBLE FOLLOWING DISCONNECTION. EXTENDED DISRUPTIONS OF UTILITY SERVICES ARE NOT PERMITTED.
32. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK OR FABRICATING MATERIALS.
33. THE LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND BASED ON THE BEST INFORMATION AVAILABLE. CONTACT LOUISIANA ONE CALL AND THE APPROPRIATE UTILITY COMPANY FOR PRECISE LOCATIONS AND TO COORDINATE PRIOR TO DIGGING.
34. DURING CONSTRUCTION, THE CONTRACTOR MAY ENCOUNTER EXISTING CONDITIONS WHICH ARE NOT SHOWN OR ARE IN VARIANCE WITH THE PROJECT DOCUMENTS. SUCH CONDITIONS MAY INTERFERE WITH CONSTRUCTION, OR REQUIRE ADDITIONAL PROTECTION OR SUPPORT DURING CONSTRUCTION.
35. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL EXISTING CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF THE WORK, PRIOR TO COMMENCEMENT OF THE WORK RELATED TO THESE EXISTING CONDITIONS.
36. ALL DIMENSIONS, ELEVATIONS AND CONSTRUCTION CONDITIONS SHOWN ON THE PROJECT DOCUMENTS ARE TO BE FIELD VERIFIED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS PRIOR TO PROGRESSING WITH CONSTRUCTION.
37. CONTRACTOR SHALL ATTEMPT TO MINIMIZE DISRUPTION TO LOCAL HOMES AND BUSINESSES.
38. CONTRACTOR SHALL INSTALL CULVERTS IN FULL STICKS WHERE POSSIBLE TO AVOID CUTTING. THE BELL AND SPIGOT DIRECTION SHOULD BE CONSISTENT ALONG THE EDGE OF EACH ROADWAY. CONTRACTOR SHALL LEAVE BELL AND SPIGOT ON THE EXPOSED ENDS OF THE INSTALLED CULVERTS.
39. CONTRACTOR SHALL INSTALL SEWER EFFLUENT DISCHARGE PIPE TIE–IN WHERE NECESSARY AT NO DIRECT COST TO OWNER.

UTILITY NOTES:

1. ST TAMMANY PARISH AND THE ENGINEER ASSUME NO LIABILITY FOR EXISTING UTILITIES.
2. IT IS THE RESPONSIBILITY OF CONTRACTOR TO VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND UTILITY CONNECTIONS (WATER, SEWER, GAS, ETC.) BEFORE STARTING CONSTRUCTION.
3. CONTRACTOR MUST VERIFY ELEVATIONS OF ALL EXISTING INVERTS THAT ARE A PART OF THIS JOB (NO DIRECT PAY). CONTRACTOR SHALL VERIFY THAT ANY EXISTING UTILITIES CROSSING A PROPOSED UTILITY WILL NOT CONFLICT, PRIOR TO INSTALLING THE NEW UTILITY. CONTRACTOR SHALL REPORT ANY CONFLICTS TO THE ENGINEER IN A TIMELY MANNER TO AVOID ANY DELAYS CAUSED BY UTILITY ADJUSTMENTS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES WHICH OCCUR DURING CONSTRUCTION AND SHALL IMMEDIATELY REPORT ANY DAMAGE TO THE UTILITY ENTITIES AND THE ENGINEER. REPAIRS OF THE DAMAGED UTILITIES SHALL BE PERFORMED BY THE RESPECTIVE UTILITY ENTITY AT THE CONTRACTOR'S EXPENSE.
5. CONTRACTOR SHALL COORDINATE WITH UTILITIES AND MEET ALL UTILITY REQUIREMENTS. BRACE ALL POLES ADJACENT TO EXCAVATIONS. BRACING SHALL REMAIN IN PLACE AFTER BACKFILLING UNTIL COMPACTION REQUIREMENTS FOR BACKFILL ARE MET. ALL WORK ADJACENT TO POLES SHALL BE COMPLETED PROMPTLY.
6. CONTRACTOR SHALL MAINTAIN A SAFE DISTANCE FROM ALL ENERGIZED POWER LINES IN ACCORDANCE WITH OSHA AND NEC REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE MAXIMUM HEIGHT AND REACH ATTAINABLE BY ANY PART OF ANY PIECE OF EQUIPMENT IN WORK ZONES. AFTER COORDINATING WITH THE POWER ENTITY TO DETERMINE THE HEIGHT AND LOCATION OF POWER LINES, CONTRACTOR SHALL DETERMINE THE SAFE CLEARANCE WHICH WILL NOT BE VIOLATED. IF THE SAFE CLEARANCE WILL BE VIOLATED, PRIOR TO BEGINNING ANY OPERATIONS IN THE WORK ZONES, CONTRACTOR SHALL COORDINATE WITH THE POWER ENTITY TO DE–ENERGIZE THE LINE(S). CONTRACTOR SHALL ESTABLISH A COORDINATION PROCEDURE WITH THE POWER ENTITY TO ENSURE THAT CONTRACTOR SHALL HAVE SUFFICIENT NOTICE TO ALLOW REMOVAL OF ALL EQUIPMENT WHICH MAY VIOLATE THE SAFE CLEARANCE FROM THE WORK ZONE PRIOR TO LINE(S) BEING RE–ENERGIZED.
7. THE CONTRACTOR SHALL FURNISH ONE COMPLETE SET OF CONSTRUCTION DRAWINGS APPROPRIATELY MARKED UP TO REFLECT ACTUAL "AS–BUILT" ELEVATIONS, DIMENSIONS, LOCATIONS, ETC. AT THE COMPLETION OF THE WORK (NO DIRECT PAY). DRAWINGS SHALL REFLECT ALL UTILITY INFORMATION (DIMENSION, ELEVATION, ETC.) ACQUIRED DURING CONSTRUCTION.
8. CONTRACTOR SHALL CONTACT ALL PUBLIC AND PRIVATE UTILITIES AND LOUISIANA ONE CALL (800–272–3020) AT LEAST FOUR (4) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION AROUND RESPECTIVE UTILITIES. UNDERGROUND UTILITIES ARE EXISTING AND WILL REMAIN IN THE CONSTRUCTION AREA.

UTILITY DIRECTORY

LOUISIANA ONE CALL.....811

CLECO.....1–800–622–6537

ST. TAMMANY PARISH UTILITY.....985–276–6400
DEPARTMENT

AT&T.....800–942–9420

ATMOS.....504–849–4410

CHARTER/SPECTRUM.....833–487–4772

STATE OF LOUISIANA
REGINA A. CASSANOVA
License No. 35639
PROFESSIONAL ENGINEER
9/8/2025

REV	DESCRIPTION	DATE	BY

PREPARED FOR:
ST. TAMMANY PARISH GOVERNMENT

Trigon Associates, llc
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DESIGNED: ELV | CHECKED: RAC
DRAWN: JPH | APPROVED: RAC

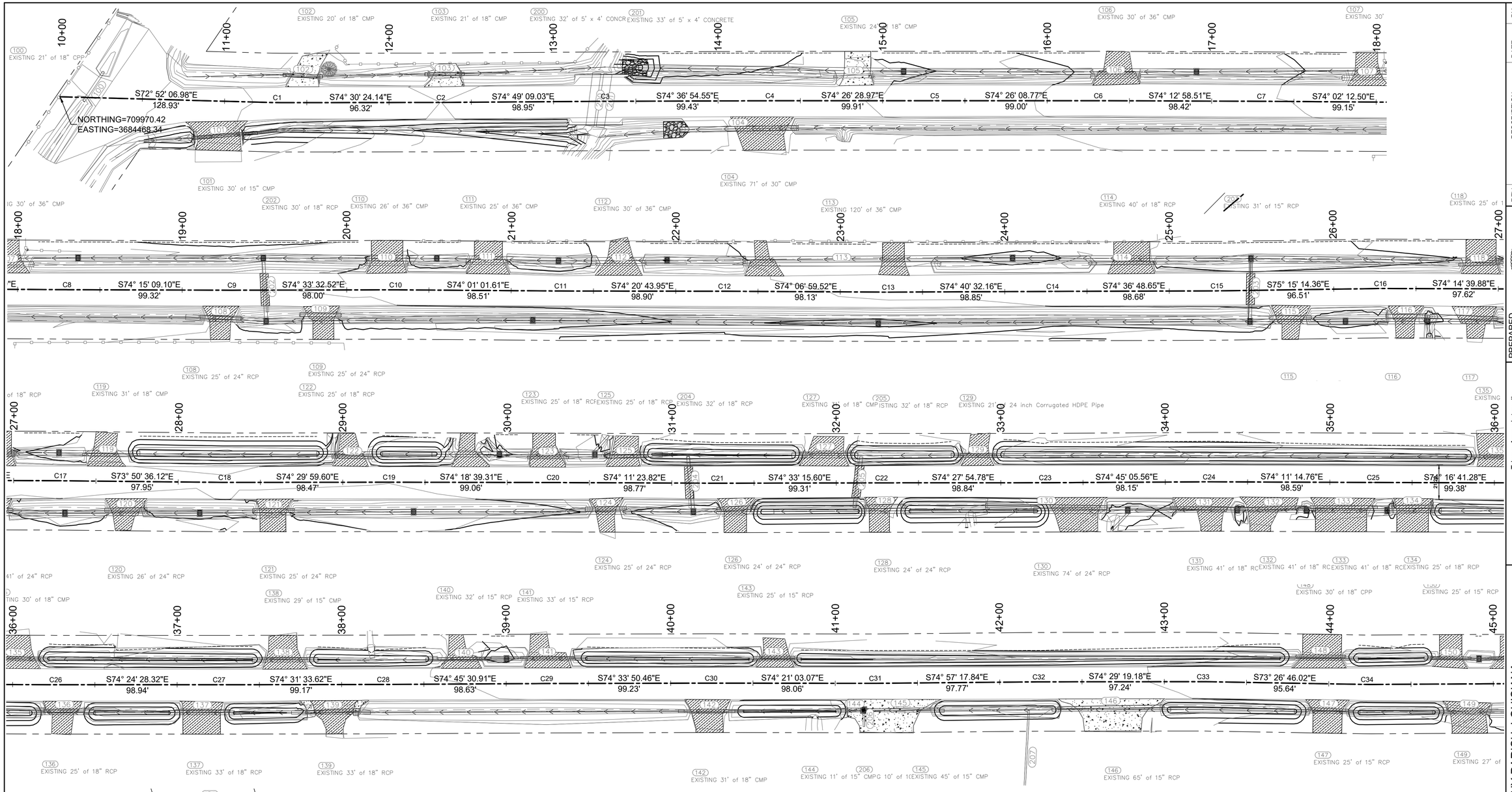
ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

GENERAL NOTES

SCALE: AS NOTED
SUBMITTAL DATE: SEPTEMBER, 2025
FILE NAME: -

STP PROJECT NO.
EN24000002

DRAWING NO.
G-1



CURVE TABLE			
CURVE #	RADIUS	LENGTH	CHORD DIRECTION
C1	200.00'	5.72'	S73° 41' 15.56"E
C2	200.00'	1.09'	S74° 39' 46.59"E
C3	200.00'	0.71'	S74° 43' 01.79"E
C4	200.00'	0.61'	S74° 31' 41.76"E
C5	300.00'	0.03'	S74° 26' 18.87"E
C6	200.00'	0.77'	S74° 19' 33.64"E
C7	200.00'	0.63'	S74° 07' 35.50"E
C8	200.00'	0.75'	S74° 08' 40.80"E
C9	200.00'	1.07'	S74° 24' 20.81"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	CHORD DIRECTION
C10	200.00'	1.89'	S74° 17' 17.07"E
C11	200.00'	1.15'	S74° 10' 52.78"E
C12	200.00'	0.80'	S74° 13' 51.73"E
C13	200.00'	1.95'	S74° 23' 45.84"E
C14	200.00'	0.22'	S74° 38' 40.41"E
C15	200.00'	2.24'	S74° 56' 01.51"E
C16	200.00'	3.52'	S74° 44' 57.12"E
C17	200.00'	1.40'	S74° 02' 38.00"E
C18	200.00'	2.29'	S74° 10' 17.86"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	CHORD DIRECTION
C19	200.00'	0.66'	S74° 24' 19.46"E
C20	200.00'	0.42'	S74° 15' 01.57"E
C21	200.00'	1.27'	S74° 22' 19.71"E
C22	200.00'	0.31'	S74° 30' 35.19"E
C23	200.00'	1.00'	S74° 36' 30.17"E
C24	200.00'	1.97'	S74° 28' 10.16"E
C25	200.00'	0.32'	S74° 13' 58.02"E
C26	200.00'	0.45'	S74° 20' 34.80"E
C27	200.00'	0.41'	S74° 28' 00.97"E

CURVE TABLE			
CURVE #	RADIUS	LENGTH	CHORD DIRECTION
C28	200.00'	0.81'	S74° 38' 32.26"E
C29	200.00'	0.68'	S74° 39' 40.68"E
C30	200.00'	0.74'	S74° 27' 26.76"E
C31	200.00'	2.11'	S74° 39' 10.45"E
C32	200.00'	1.63'	S74° 43' 18.51"E
C33	200.00'	3.64'	S73° 58' 02.60"E
C34	200.00'	4.51'	S74° 05' 29.90"E

STATE OF LOUISIANA
REGINA A. CASSANOVA
License No. 35639
PROFESSIONAL ENGINEER
9/8/2025

REV	DESCRIPTION	DATE	BY

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ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

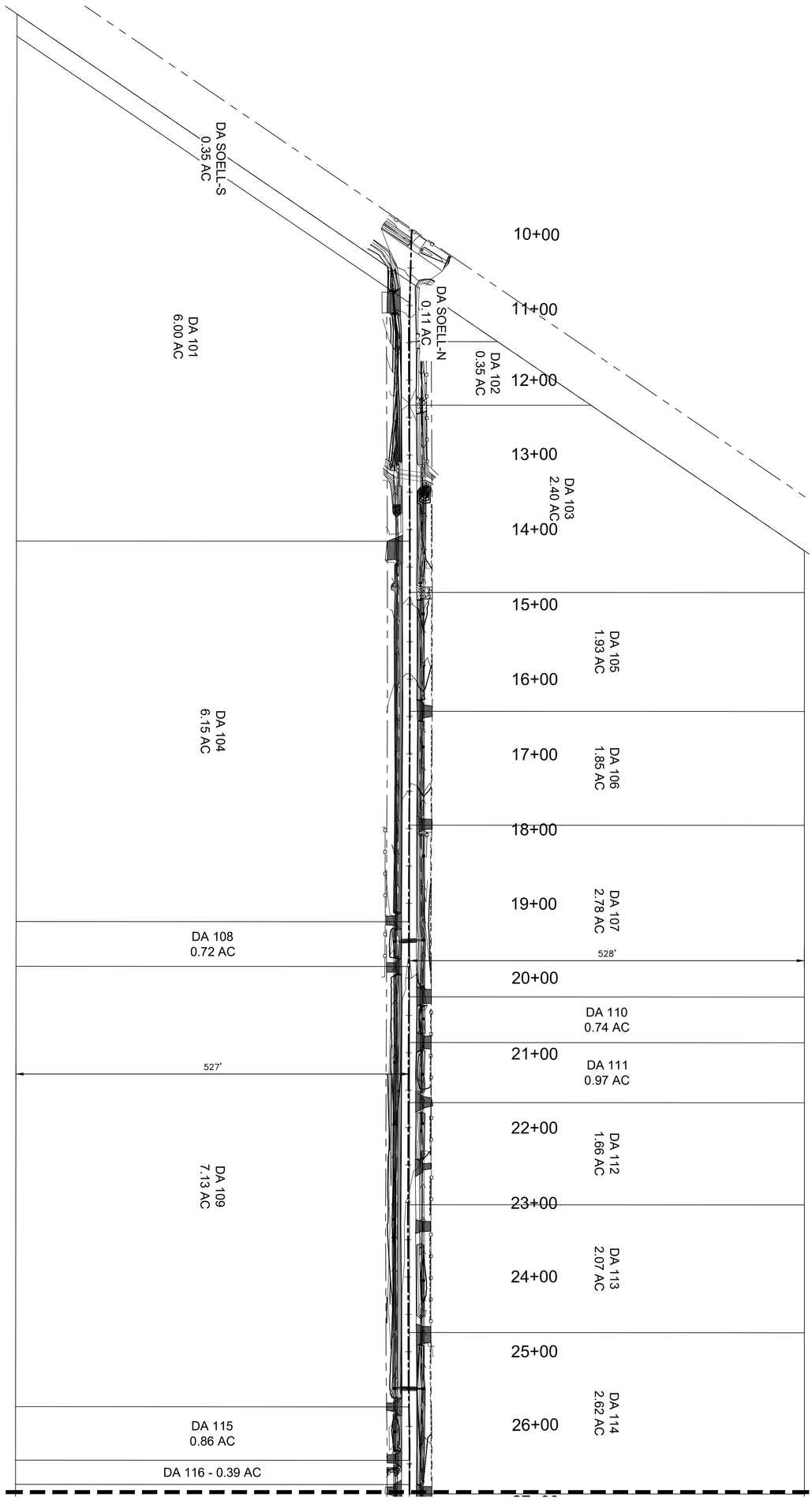
GEOMETRIC LAYOUT

SCALE: AS NOTED
SUBMITTAL DATE: SEPTEMBER, 2025
FILE NAME: -

STP PROJECT NO.
EN24000002

DRAWING NO.
C-1

SHEET 3 OF 16



STATE OF LOUISIANA
REGINA A. CASSAMAJOR
License No. 35639
Professional Engineer
9/8/2025

SHEET 4 OF 16	DRAWING NO. C-2	STP PROJECT NO. EN240000002	ST. TAMMANY PARISH, LOUISIANA CASRIL DRIVE DRAINAGE IMPROVEMENTS DESIGN DRAINAGE MAP

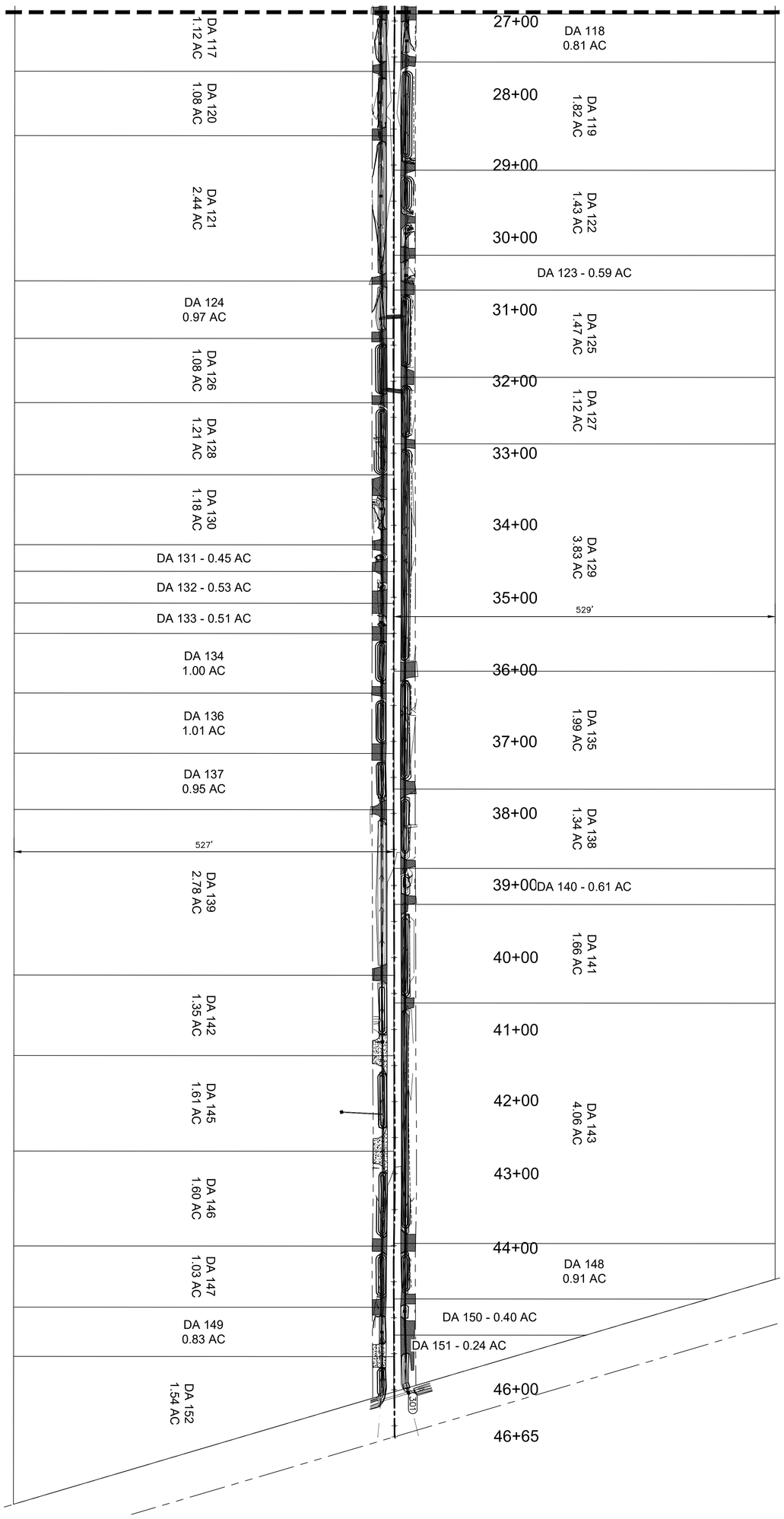
FILE NAME: -
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DESIGNED: ELV | CHECKED: RAC
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PREPARED FOR: ST. TAMMANY PARISH GOVERNMENT

REV	DESCRIPTION	DATE	BY



STATE OF LOUISIANA
REGINA A. CASANOVA
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Professional Engineer
9/8/2025

ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

DESIGN DRAINAGE MAP

FILE NAME: -
SUBMITTAL DATE: SEPTEMBER, 2025
SCALE: AS NOTED

STP PROJECT NO. EN240000002
DRAWING NO. C-3
SHEET 5 OF 16

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APPROVED: RAC

PREPARED FOR: ST. TAMMANY PARISH GOVERNMENT

REV	DESCRIPTION	DATE	BY

EXISTING SYSTEM DESIGN HYDRAULICS

Structure No.	Pipe Diameter (in)	Pipe Material	Area (acres)	Runoff Coefficient	Overland Length (ft)	Overland Slope (%)	Tc (min)	I5 (in/hr)	Q5 (cfs)
101	15	CMP	0.35	0.25	620	0.5	28.25	4.27	0.60
102	18	CMP	0.11	0.40	142	0.5	15.86	5.51	0.24
103	18	CMP	0.35	0.40	257	0.5	20.01	5.01	0.70
104	30	CMP	6.15	0.40	732	0.5	30.15	4.13	10.17
105	18	CMP	1.93	0.40	551	0.5	26.98	4.37	3.37
106	36	CMP	1.85	0.40	550	0.5	26.96	4.37	3.24
107	36	CMP	2.78	0.40	576	0.5	27.45	4.33	4.82
108	24	RCP	0.72	0.40	530	0.5	26.57	4.40	1.27
109	24	RCP	7.13	0.40	790	0.5	31.07	4.07	11.61
110	36	CMP	0.74	0.40	532	0.5	26.61	4.40	1.30
111	36	CMP	0.97	0.40	534	0.5	26.65	4.40	1.71
112	36	CMP	1.66	0.40	546	0.5	26.88	4.38	2.91
113	36	CMP	2.07	0.40	555	0.5	27.05	4.36	3.61
114	18	RCP	2.62	0.40	571	0.5	27.36	4.34	4.55
115	24	RCP	0.86	0.40	532	0.5	26.61	4.40	1.51
116	24	RCP	0.39	0.40	528	0.5	26.53	4.41	0.69
117	24	RCP	1.12	0.40	535	0.5	26.67	4.40	1.97
118	18	RCP	0.81	0.40	533	0.5	26.63	4.40	1.43
119	18	CMP	1.82	0.40	550	0.5	26.96	4.37	3.18
120	24	RCP	1.08	0.40	534	0.5	26.65	4.40	1.90
121	24	RCP	2.44	0.40	564	0.5	27.23	4.35	4.25
122	18	RCP	1.43	0.40	542	0.5	26.80	4.38	2.51
123	18	RCP	0.59	0.40	531	0.5	26.59	4.40	1.04
124	24	RCP	0.97	0.40	533	0.5	26.63	4.40	1.71
125	18	RCP	1.47	0.40	543	0.5	26.82	4.38	2.58
126	24	RCP	1.08	0.40	535	0.5	26.67	4.40	1.90
127	18	CMP	1.12	0.40	537	0.5	26.71	4.39	1.97
128	24	RCP	1.21	0.40	537	0.5	26.71	4.39	2.13
129	24	Corrugated HDPE	3.83	0.40	616	0.5	28.18	4.28	6.55
130	24	RCP	1.18	0.40	536	0.5	26.69	4.39	2.07
131	18	RCP	0.45	0.40	529	0.5	26.55	4.40	0.79
132	18	RCP	0.53	0.40	529	0.5	26.55	4.40	0.93
133	18	RCP	0.51	0.40	529	0.5	26.55	4.40	0.90
134	18	RCP	1	0.40	534	0.5	26.65	4.40	1.76
135	18	CMP	1.99	0.40	554	0.5	27.04	4.37	3.48
136	18	RCP	1.01	0.40	534	0.5	26.65	4.40	1.78
137	18	RCP	0.95	0.40	533	0.5	26.63	4.40	1.67
138	15	CMP	1.34	0.40	541	0.5	26.78	4.39	2.35
139	18	RCP	2.78	0.40	575	0.5	27.43	4.33	4.82
140	15	RCP	0.61	0.40	532	0.5	26.61	4.40	1.07
141	15	RCP	1.66	0.40	547	0.5	26.90	4.38	2.91
142	18	CMP	1.35	0.40	539	0.5	26.75	4.39	2.37
143	15	RCP	4.06	0.40	626	0.5	28.36	4.26	6.92
144	15	CMP	–	0.40	–	–	–	–	–
145	15	CMP	1.61	0.40	544	0.5	26.84	4.38	2.82
146	15	RCP	1.6	0.40	544	0.5	26.84	4.38	2.80
147	15	RCP	1.03	0.40	534	0.5	26.65	4.40	1.81
148	18	Corrugated HDPE	0.91	0.40	532	0.5	26.61	4.40	1.60
149	24	CMP	0.83	0.40	532	0.5	26.61	4.40	1.46
150	15	RCP	0.40	0.40	436	0.5	24.61	4.57	0.73
151	15	RCP	0.24	0.40	267	0.5	20.31	4.98	0.48
152	15	RCP	1.54	0.40	566	0.5	27.26	4.35	2.68

REGINA A. CASSANOVA
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PROFESSIONAL ENGINEER
STATE OF LOUISIANA
9/8/2025

REV | DESCRIPTION | DATE | BY

PREPARED FOR:
ST. TAMMANY PARISH GOVERNMENT

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DESIGNED: ELV | CHECKED: RAC
DRAWN: JPH | APPROVED: RAC

ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

DRAINAGE TABLES

FILE NAME: - | SUBMITTAL DATE: SEPTEMBER, 2025 | SCALE: AS NOTED

STP PROJECT NO.
EN24000002

DRAWING NO.
C-4

SHEET 6 OF 16

PROPOSED SYSTEM DESIGN HYDRAULICS

Structure No.	Pipe Diameter (in)	Pipe Material	Area (acres)	Runoff Coefficient	Overland Length (ft)	Overland Slope (%)	Tc (min)	I5 (in/hr)	Q5 (cfs)
1–2	18	RCP	0.35	0.25	620	0.5	48.07	3.18	0.28
2–2	18	RCP	0.11	0.25	142	0.5	26.99	4.37	0.12
2–6	18	RCP	0.35	0.25	257	0.5	34.05	3.88	0.34
4–72	36	RCP	1.93	0.25	551	0.5	45.90	3.27	1.58
3–82	30	RCP	6.15	0.25	732	0.5	51.31	3.06	4.71
4–70	36	RCP	1.85	0.25	551	0.5	45.90	3.27	1.51
4–68	36	RCP	2.78	0.25	550	0.5	45.87	3.27	2.28
4–66	36	RCP	2.78	0.25	576	0.5	46.71	3.24	2.25
4–64	36	RCP	0.74	0.25	532	0.5	45.28	3.30	0.61
3–78	30	RCP	0.72	0.25	530	0.5	45.21	3.30	0.59
3–76	30	RCP	2.38	0.25	790	0.5	52.86	3.00	1.79
4–62	36	RCP	0.97	0.25	534	0.5	45.34	3.30	0.80
3–74	30	RCP	2.38	0.25	790	0.5	52.86	3.00	1.79
4–60	36	RCP	1.66	0.25	546	0.5	45.74	3.28	1.36
4–58	36	RCP	2.07	0.25	555	0.5	46.03	3.27	1.69
3–72	30	RCP	2.38	0.25	790	0.5			
4–56	30	RCP	2.62	0.25	571	0.5	46.55	3.25	2.13
3–70	30	RCP	0.86	0.25	532	0.5	45.28	3.30	0.71
4–54	30	RCP	0.81	0.25	533	0.5	45.31	3.30	0.67
3–68	30	RCP	0.39	0.25	528	0.5	45.14	3.31	0.32
3–66	30	RCP	1.12	0.25	535	0.5	45.38	3.30	0.92
4–52	30	RCP	1.82	0.25	550	0.5	45.87	3.27	1.49
3–64	30	RCP	1.08	0.25	534	0.5	45.34	3.30	0.89
3–62	30	RCP	2.44	0.25	564	0.5	46.32	3.26	1.99
4–48	30	RCP	0.82	0.25	542	0.5	45.61	3.29	0.67
4–44	30	RCP	0.61	0.25	542	0.5	45.61	3.29	0.50
3–60	30	RCP	0.97	0.25	533	0.5	45.31	3.30	0.80
4–40	30	RCP	0.59	0.25	531	0.5	45.24	3.30	0.49
4–38	30	RCP	1.47	0.25	543	0.5	45.64	3.28	1.21
3–58	30	RCP	1.08	0.25	535	0.5	45.38	3.30	0.89
4–34	30	RCP	1.12	0.25	537	0.5	45.44	3.29	0.92
3–54	30	RCP	1.21	0.25	537	0.5	45.44	3.29	1.00
4–30	24	RCP	3.83	0.25	616	0.5	47.95	3.19	3.05
3–50	30	RCPA	1.18	0.25	536	0.5	45.41	3.29	0.97
3–46	24	RCP	0.45	0.25	529	0.5	45.18	3.30	0.37
3–44	24	RCP	0.53	0.25	529	0.5	45.18	3.30	0.44
3–42	24	RCP	0.51	0.25	529	0.5	45.18	3.30	0.42
3–40	24	RCP	1	0.25	534	0.5	45.34	3.30	0.82
4–26	24	RCP	1.99	0.25	554	0.5	46.00	3.27	1.63
3–36	24	RCP	1.01	0.25	534	0.5	45.34	3.30	0.83
3–32	24	RCP	0.95	0.25	533	0.5	45.31	3.30	0.78
4–22	24	RCP	1.34	0.25	541	0.5	45.58	3.29	1.10
3–28	18	RCP	2.78	0.25	575	0.5	46.68	3.24	2.25
4–18	18	RCP	0.61	0.25	532	0.5	45.28	3.30	0.50
4–16	18	RCP	1.66	0.25	547	0.5	45.77	3.28	1.36
3–24	18	RCP	1.01	0.25	539	0.5	45.51	3.29	0.83
4–12	18	RCP	4.06	0.25	626	0.5	48.26	3.18	3.22
3–20	18	RCP	0.34	0.25	539	0.5	45.51	3.29	0.28
3–18	18	RCP	1.61	0.25	544	0.5	45.67	3.28	1.32
3–14	18	RCP	1.6	0.25	544	0.5	45.67	3.28	1.31
3–10	18	RCP	1.03	0.25	534	0.5	45.34	3.30	0.85
4–8	18	RCP	0.91	0.25	532	0.5	45.28	3.30	0.75
3–6	18	RCP	0.83	0.25	532	0.5	45.28	3.30	0.68
4–4	18	RCP	0.40	0.25	436	0.5	41.88	3.45	0.35
4–2	18	RCP	0.24	0.25	267	0.5	34.56	3.85	0.23
3–2	18	RCP	1.54	0.25	566	0.5	46.39	3.25	1.25

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STATE OF LOUISIANA
9/8/2025

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ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

DRAINAGE TABLES

SCALE: AS NOTED
SUBMITTAL DATE: SEPTEMBER, 2025
FILE NAME: -

STP PROJECT NO.
EN24000002

DRAWING NO.
C-5

SHEET 7 OF 16

SUMMARY OF PROPOSED DRAINAGE STRUCTURES

SUMMARY OF DRAINAGE STRUCTURES											
DWG NO.	STRUCTURE NO.	SIDE OF CL	DESCRIPTION	PLAN	TYPE	STORM DRAIN PIPE					CATCH BASIN
						15"	18"	24"	30"	36"	CB-01
PP-1	1-2	SOUTH	SIDE DRAIN PIPE		RCP		40				
PP-1	2-2	NORTH	SIDE DRAIN PIPE	–	RCP		24				
PP-1	2-6	NORTH	SIDE DRAIN PIPE		RCP		24				
PP-1	3-82	SOUTH	SIDE DRAIN PIPE		RCP				72		
PP-1	4-72	NORTH	SIDE DRAIN PIPE		RCP					160	
PP-2	4-71	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-2	4-70	NORTH	SIDE DRAIN PIPE		RCP					176	
PP-2	4-69	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-2	4-68	NORTH	SIDE DRAIN PIPE		RCP					144	
PP-2	4-67	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-2	4-66	NORTH	SIDE DRAIN PIPE		RCP					112	
PP-2	3-78	SOUTH	SIDE DRAIN PIPE		RCP				48		
PP-2	4-65	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-2	5-1		CROSS DRAIN PIPE		RCP		38				
PP-2	3-77	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-2	4-64	NORTH	SIDE DRAIN PIPE		RCP					104	
PP-3	3-76	SOUTH	SIDE DRAIN PIPE		RCP				160		
PP-3	4-63	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-3	4-62	NORTH	SIDE DRAIN PIPE		RCP					72	
PP-3	3-75	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-3	4-61	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-3	4-60	NORTH	SIDE DRAIN PIPE		RCP					64	
PP-3	3-74	SOUTH	SIDE DRAIN PIPE		RCP				208		
PP-3	4-59	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-3	4-58	NORTH	SIDE DRAIN PIPE		RCP					208	
PP-3	3-73	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-3	3-72	SOUTH	SIDE DRAIN PIPE		RCP				224		
PP-3	4-57	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-3	4-56	NORTH	SIDE DRAIN PIPE		RCP				144		
PP-4	3-71	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-4	5-2		CROSS DRAIN PIPE		RCP		38				
PP-4	4-55	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-4	3-70	SOUTH	SIDE DRAIN PIPE		RCP				56		
PP-4	4-54	NORTH	SIDE DRAIN PIPE		RCP				176		
PP-4	3-69	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-4	3-68	SOUTH	SIDE DRAIN PIPE		RCP				48		
PP-4	3-67	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-4	3-67A	SOUTH	DRAIN PIPE		PVC	9					
PP-4	3-66	SOUTH	SIDE DRAIN PIPE		RCP				72		
PP-4	4-53	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-4	3-65	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-4	4-52	NORTH	SIDE DRAIN PIPE		RCP				48		
PP-4	3-64	SOUTH	SIDE DRAIN PIPE		RCP				80		
PP-4	3-63	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-4	3-62	SOUTH	SIDE DRAIN PIPE		RCP				128		
PP-4	4-48	NORTH	SIDE DRAIN PIPE		RCP				40		
PP-4	3-61	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1

SUMMARY OF DRAINAGE STRUCTURES (CONT.)											
DWG NO.	STRUCTURE NO.	SIDE OF CL	DESCRIPTION	PLAN	TYPE	STORM DRAIN PIPE					CATCH BASIN
						15"	18"	24"	30"	36"	CB-01
PP-4	4-44	NORTH	SIDE DRAIN PIPE		RCP				40		
PP-4	4-43	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-4	4-43A	NORTH	DRAIN PIPE		PVC	12					
PP-5	4-40	NORTH	SIDE DRAIN PIPE		RCP				56		
PP-5	3-60	SOUTH	SIDE DRAIN PIPE		RCP				168		
PP-5	4-39	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-5	4-39A	NORTH	DRAIN PIPE		PVC	13					
PP-5	4-38	NORTH	SIDE DRAIN PIPE		RCP				40		
PP-5	5-3		CROSS DRAIN PIPE		RCP		34				
PP-5	3-59	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-5	3-58	SOUTH	SIDE DRAIN PIPE		RCP				48		
PP-5	4-34	NORTH	SIDE DRAIN PIPE		RCP				40		
PP-5	5-4		CROSS DRAIN PIPE		RCP		31				
PP-5	3-54	SOUTH	SIDE DRAIN PIPE		RCP				32		
PP-5	4-30	NORTH	SIDE DRAIN PIPE		RCP			32			
PP-5	3-50	SOUTH	SIDE DRAIN PIPE		RCPA				56		
PP-5	3-49	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-5	3-49A	SOUTH	DRAIN PIPE		PVC	15					
PP-5	3-46	SOUTH	SIDE DRAIN PIPE		RCP			64			
PP-5	3-45	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-5	3-44	SOUTH	SIDE DRAIN PIPE		RCP			40			
PP-5	3-43	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-6	3-42	SOUTH	SIDE DRAIN PIPE		RCP			48			
PP-6	3-41	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-6	3-40	SOUTH	SIDE DRAIN PIPE		RCP			32			
PP-6	4-26	NORTH	SIDE DRAIN PIPE		RCP			40			
PP-6	3-36	SOUTH	SIDE DRAIN PIPE		RCP			40			
PP-6	3-32	SOUTH	SIDE DRAIN PIPE		RCP			40			
PP-6	4-22	NORTH	SIDE DRAIN PIPE		RCP			40			
PP-6	3-28	SOUTH	SIDE DRAIN PIPE		RCP		48				
PP-6	4-18	NORTH	SIDE DRAIN PIPE		RCP		48				
PP-6	4-17	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-6	4-16	NORTH	SIDE DRAIN PIPE		RCP		48				
PP-7	3-24	SOUTH	SIDE DRAIN PIPE		RCP		40				
PP-7	4-12	NORTH	SIDE DRAIN PIPE		RCP		32				
PP-7	3-20	SOUTH	SIDE DRAIN PIPE		RCP		16				
PP-7	3-19	SOUTH	CB-01 W/TYPE "C" GRATE	CB-01							1
PP-7	3-18	SOUTH	SIDE DRAIN PIPE		RCP		48				
PP-7	3-14	SOUTH	SIDE DRAIN PIPE		RCP		72				
PP-7	4-8	NORTH	SIDE DRAIN PIPE		RCP		48				
PP-7	3-10	SOUTH	SIDE DRAIN PIPE		RCP		40				
PP-7	4-4	NORTH	SIDE DRAIN PIPE		RCP		32				
PP-7	3-6	SOUTH	SIDE DRAIN PIPE		RCP		56				
PP-7	4-3	NORTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-8	3-5	SOUTH	CB-01 W/TYPE "B" GRATE	CB-01							1
PP-8	4-2	NORTH	SIDE DRAIN PIPE		RCP		64				
PP-8	3-2	SOUTH	SIDE DRAIN PIPE		RCP		56				
TOTAL						49	877	376	1984	1040	30

STATE OF LOUISIANA
REGINA A. CASSANOVA
License No. 35639
PROFESSIONAL ENGINEER
9/8/2025

REV	DESCRIPTION	DATE	BY

PREPARED FOR:
ST. TAMMANY PARISH GOVERNMENT

Trigon Associates, llc
1515 Poydras St., Ste 930
New Orleans, LA 70112
www.trigonassociates.com

DESIGNED: ELV
DRAWN: JPH
CHECKED: RAC
APPROVED: RAC

ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

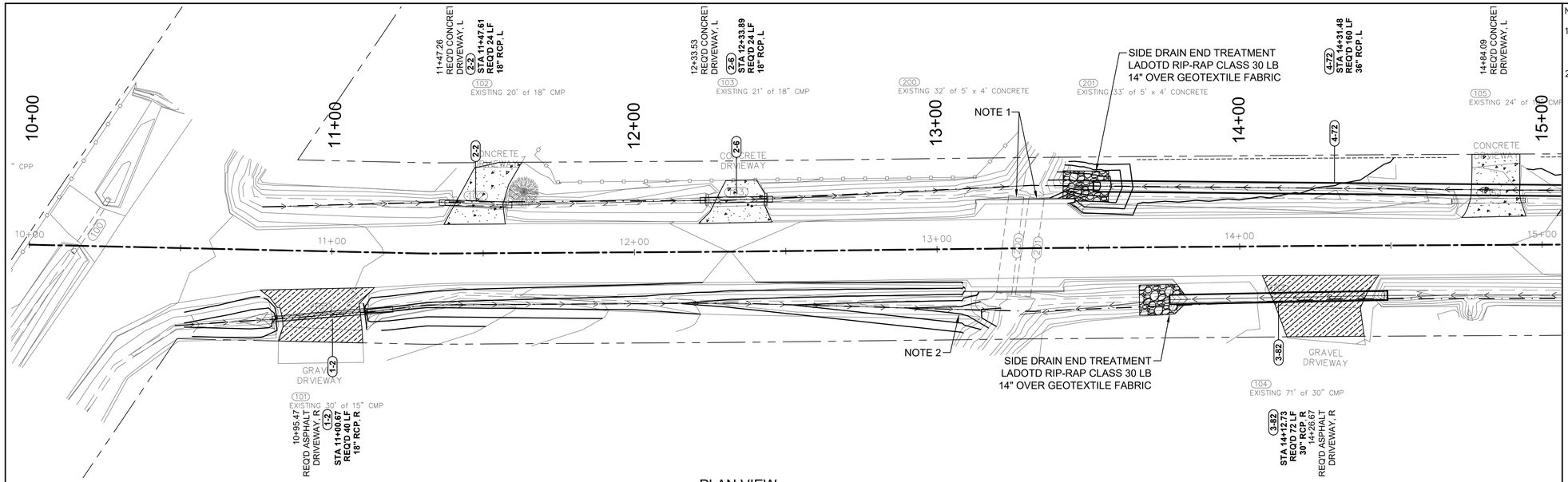
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SCALE: AS NOTED
SUBMITTAL DATE: SEPTEMBER, 2025
FILE NAME: -

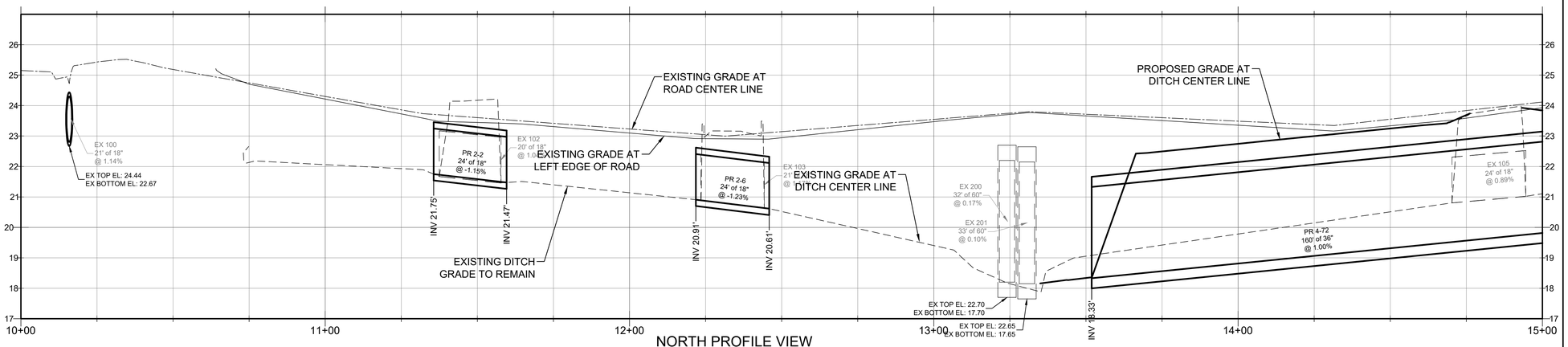
STP PROJECT NO.
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DRAWING NO.
C-6

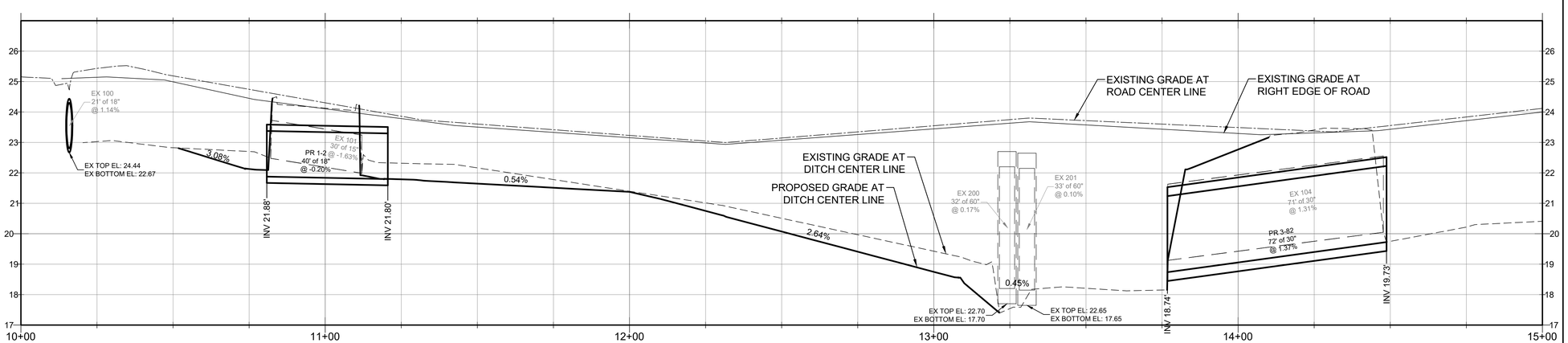
SHEET 8 OF 16



PLAN VIEW



NORTH PROFILE VIEW



SOUTH PROFILE VIEW

NOTES:

1. CONTRACTOR TO CLEAN OUT THE EXISTING BOX CULVERTS CROSSING CASRIL DRIVE NEAR STATION 13+20. SEE LADOTD 701 (SPECIAL PROVISION).
2. CONTRACTOR SHALL GRADE THE EXISTING CHANNEL TO PROVIDE A CONTINUOUS SLOPE TO THE EXISTING INVERT OF THE BOX CULVERTS.

HORZ 0 20 40
VERT 0 2 4
SCALE IN FEET

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ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

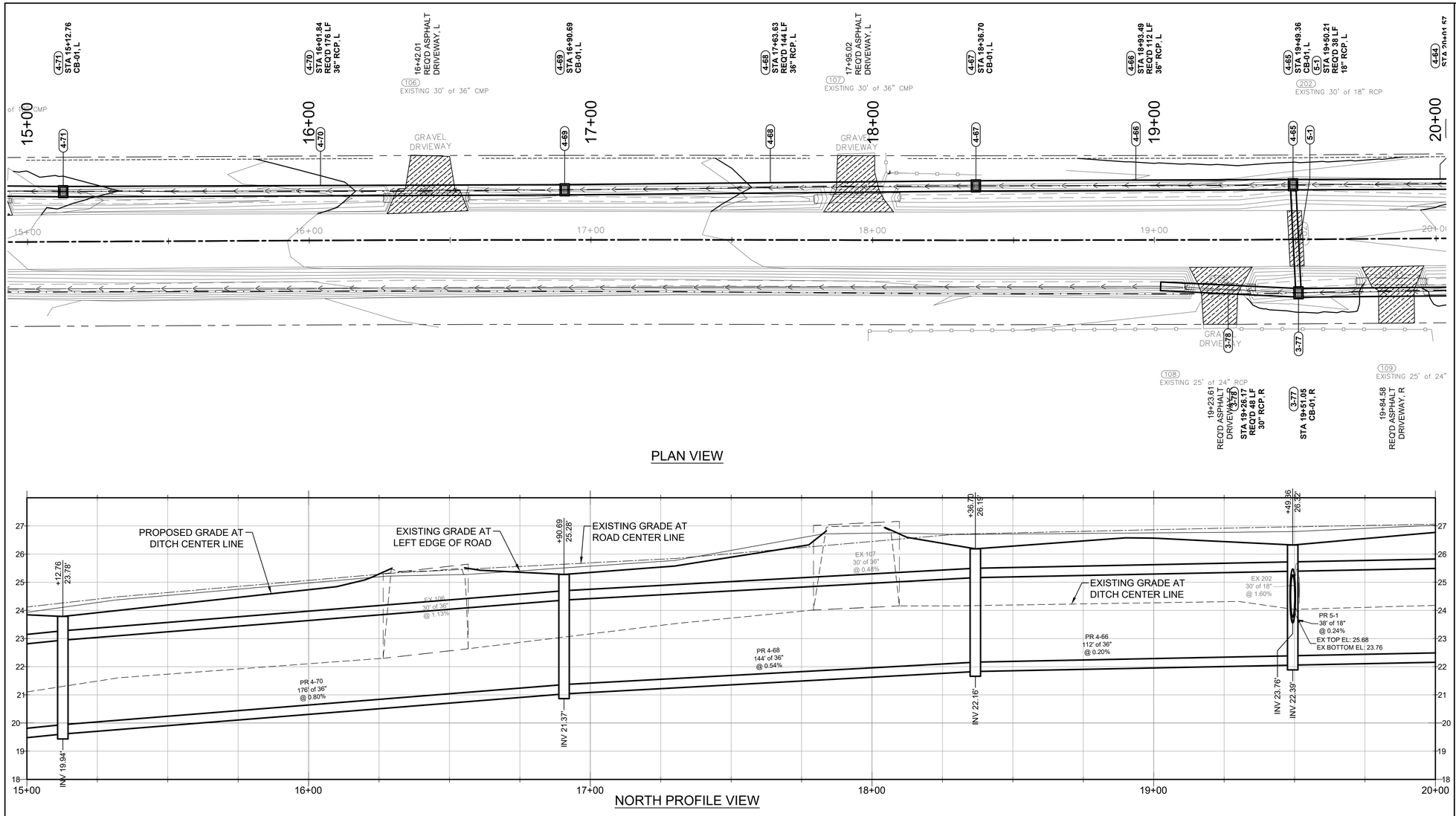
PLAN AND PROFILE

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SUBMITTAL DATE: SEPTEMBER, 2025
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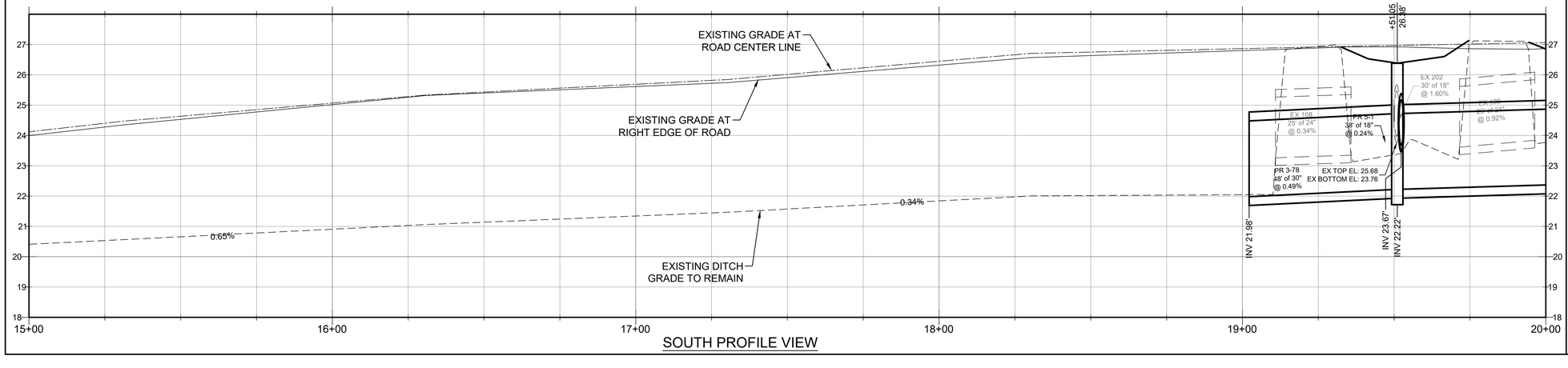
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PP-1

SHEET 9 OF 16



PLAN VIEW

NORTH PROFILE VIEW



SOUTH PROFILE VIEW

HORZ 0 20 40
VERT 0 2 4
SCALE IN FEET

STATE OF LOUISIANA
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CASRIL DRIVE DRAINAGE IMPROVEMENTS

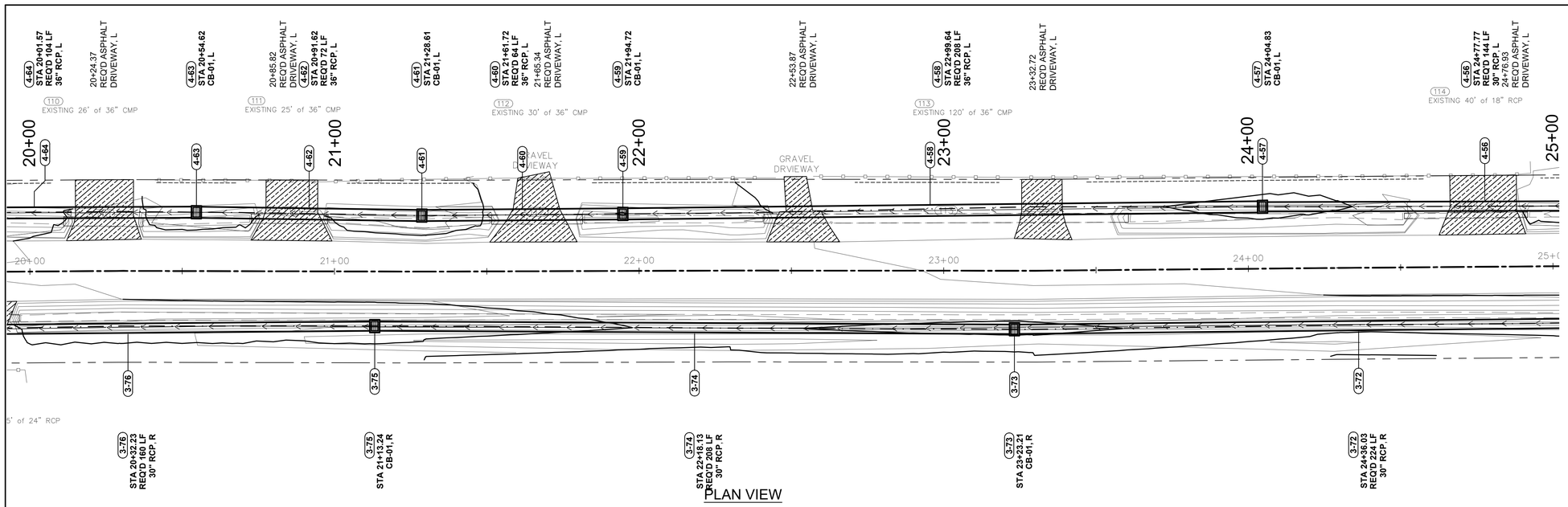
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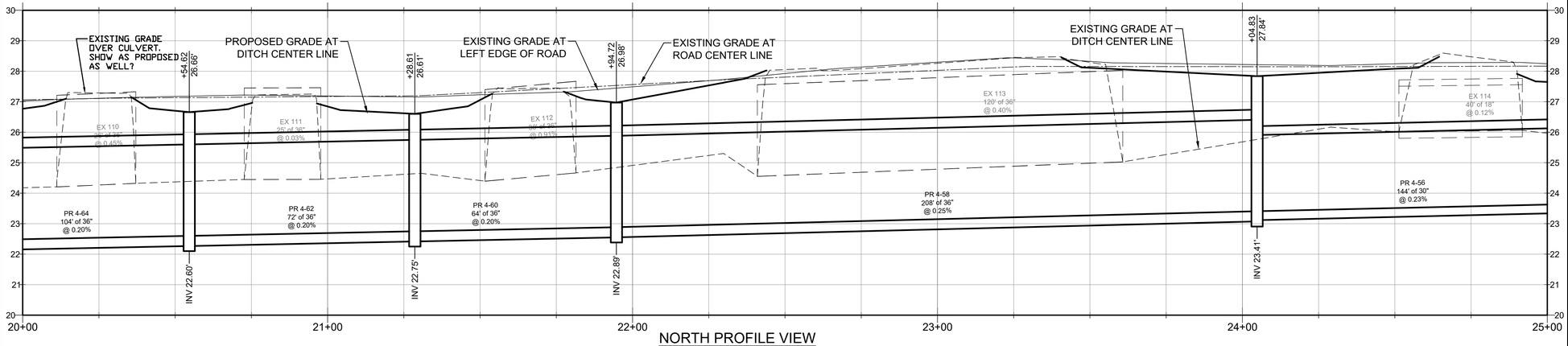
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PP-2

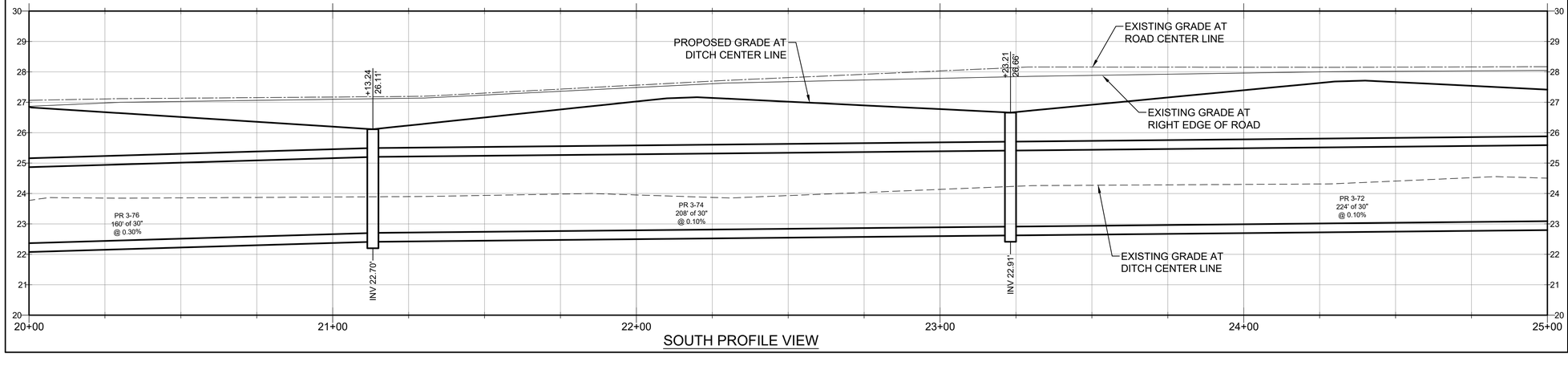
SHEET 10 OF 16



PLAN VIEW



NORTH PROFILE VIEW



SOUTH PROFILE VIEW

HORZ 0 20 40
VERT 0 2 4
SCALE IN FEET

STATE OF LOUISIANA
REGINA A. CASSANOVA
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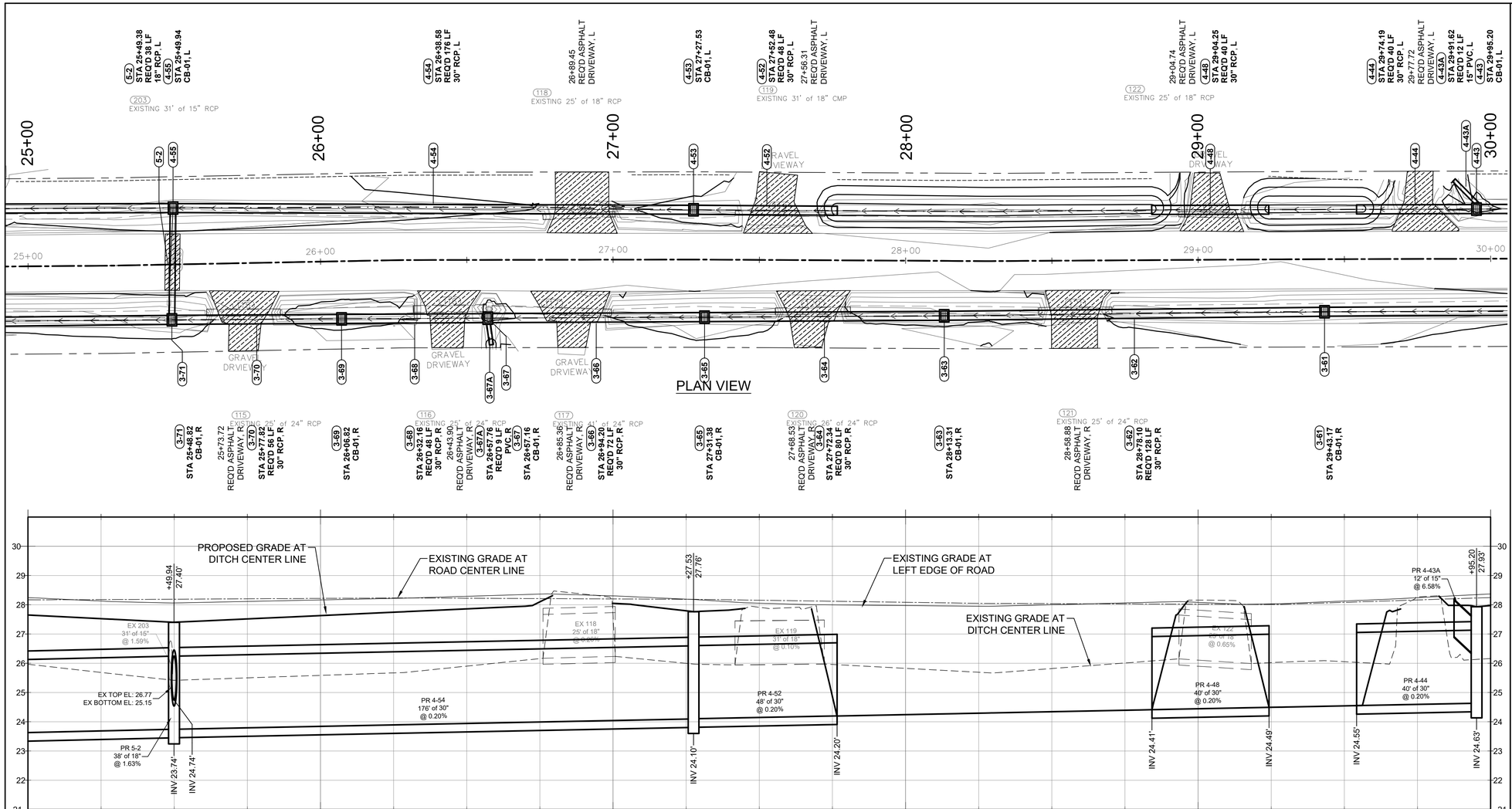
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STP PROJECT NO.
EN24000002

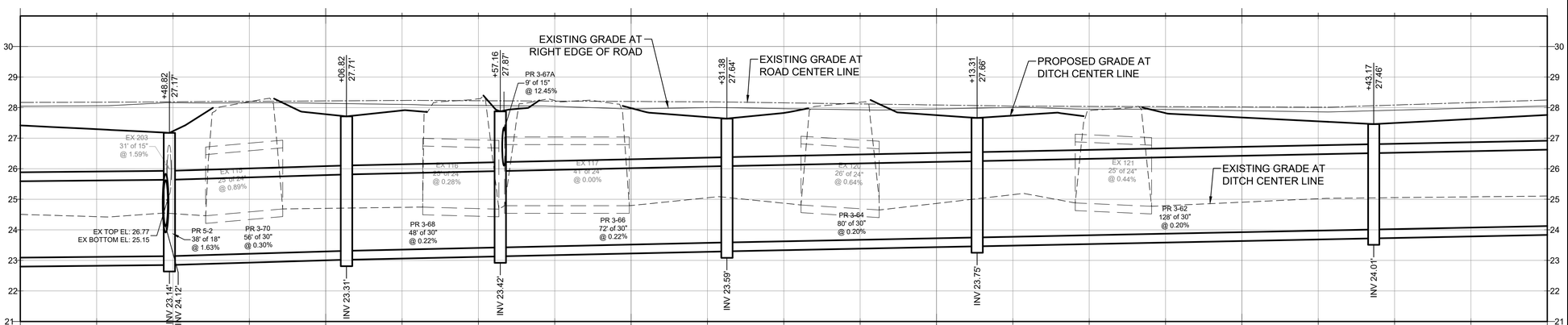
DRAWING NO.
PP-3

SHEET 11 OF 16



PLAN VIEW

NORTH PROFILE VIEW



SOUTH PROFILE VIEW

HORZ 0 20 40
VERT 0 2 4
SCALE IN FEET

STATE OF LOUISIANA
REGINA A. CASSANOVA
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9/8/2025

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ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

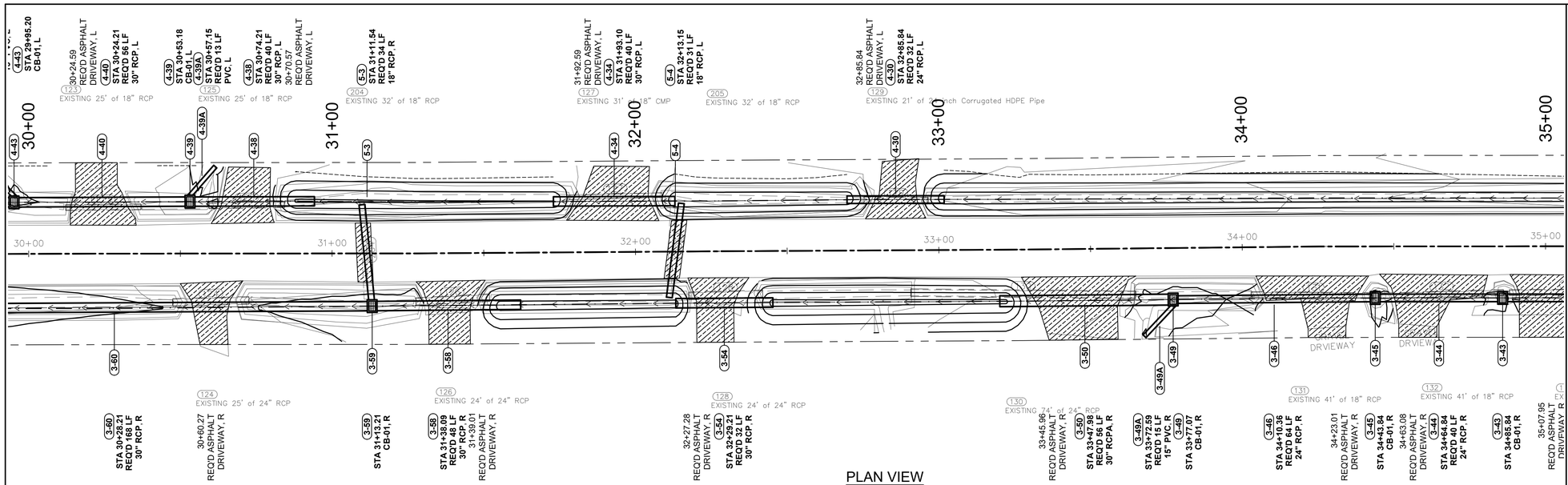
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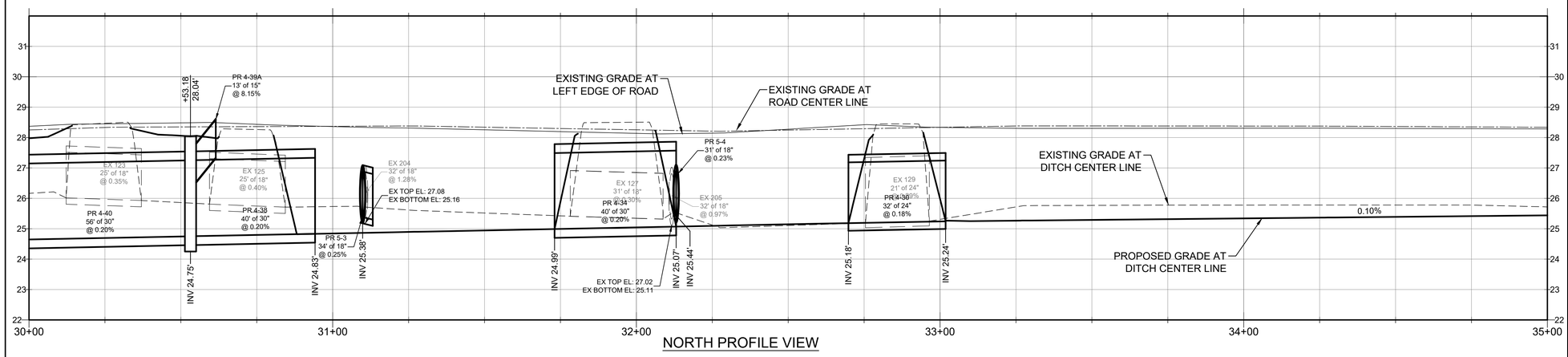
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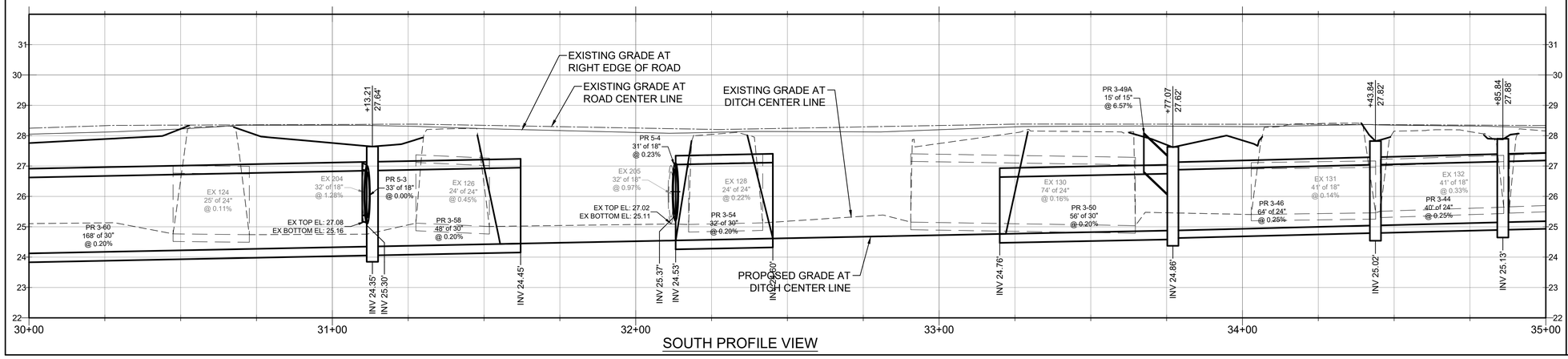
STP PROJECT NO.
EN24000002

DRAWING NO.
PP-4

SHEET 12 OF 16







HORZ 0 20 40
VERT 0 2 4
SCALE IN FEET

STATE OF LOUISIANA
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9/8/2025

REV	DESCRIPTION	DATE	BY

ST. TAMMANY PARISH GOVERNMENT

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ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

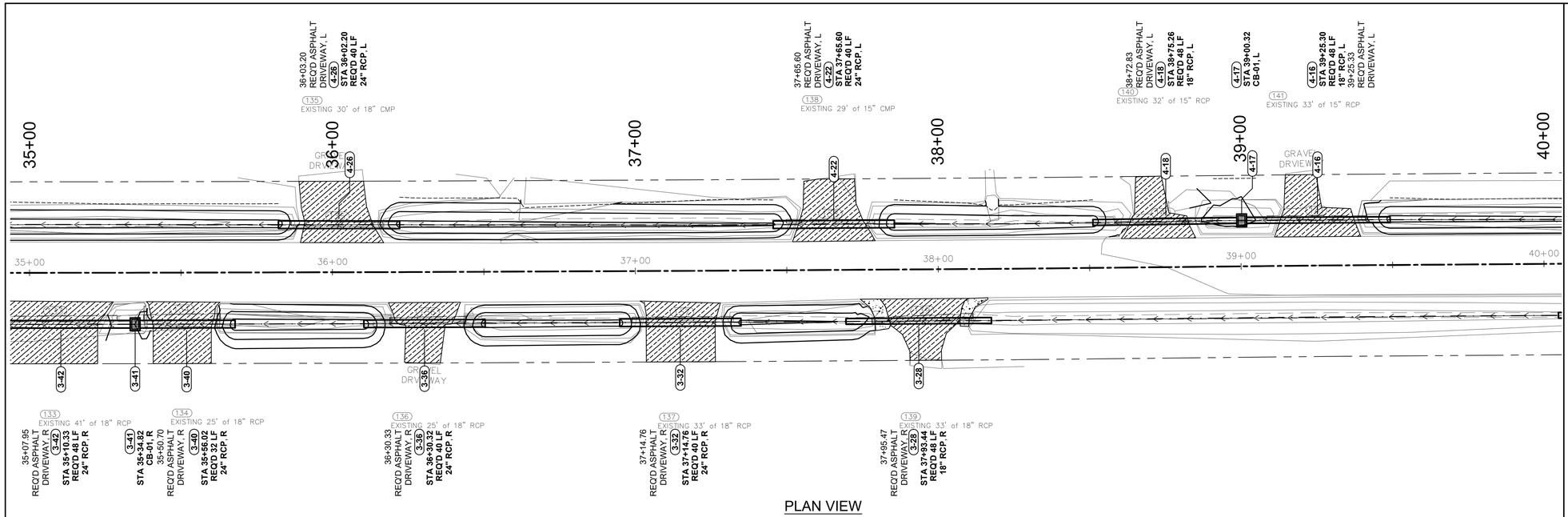
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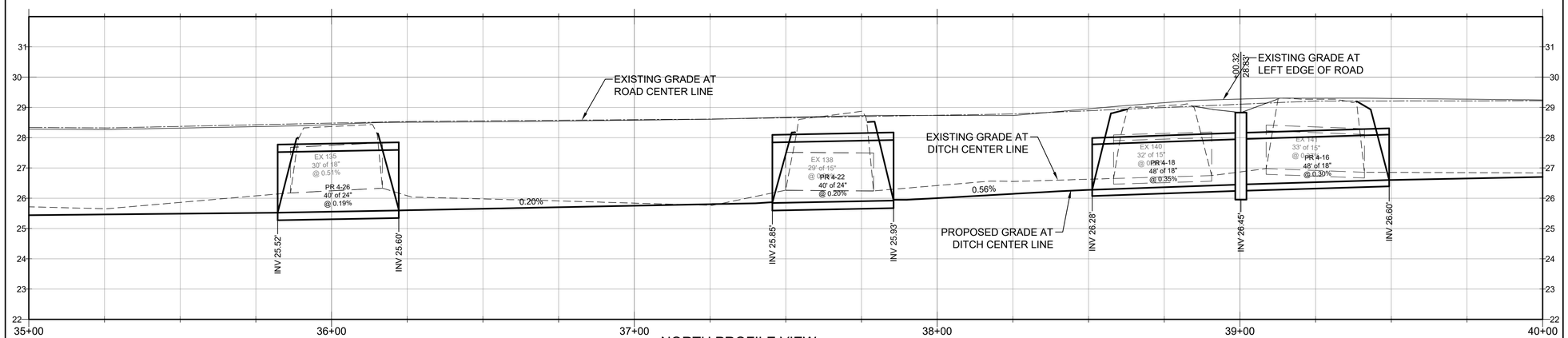
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EN24000002

DRAWING NO.
PP-5

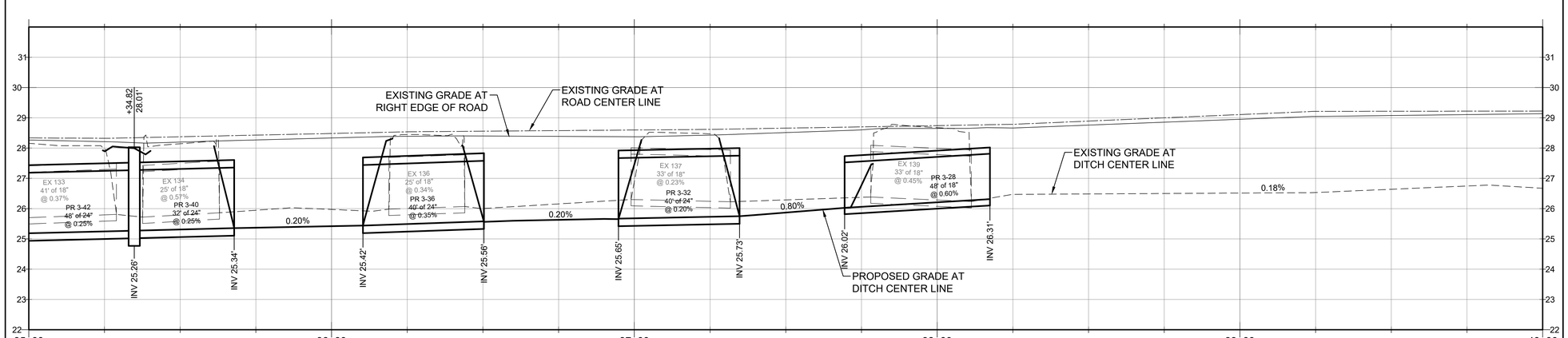
SHEET 13 OF 16



PLAN VIEW



NORTH PROFILE VIEW



SOUTH PROFILE VIEW

HORZ 0 20 40
VERT 0 2 4
SCALE IN FEET

STATE OF LOUISIANA
REGINA A. CASSANOVA
License No. 35639
PROFESSIONAL ENGINEER
9/8/2025

REV	DESCRIPTION	DATE	BY

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ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

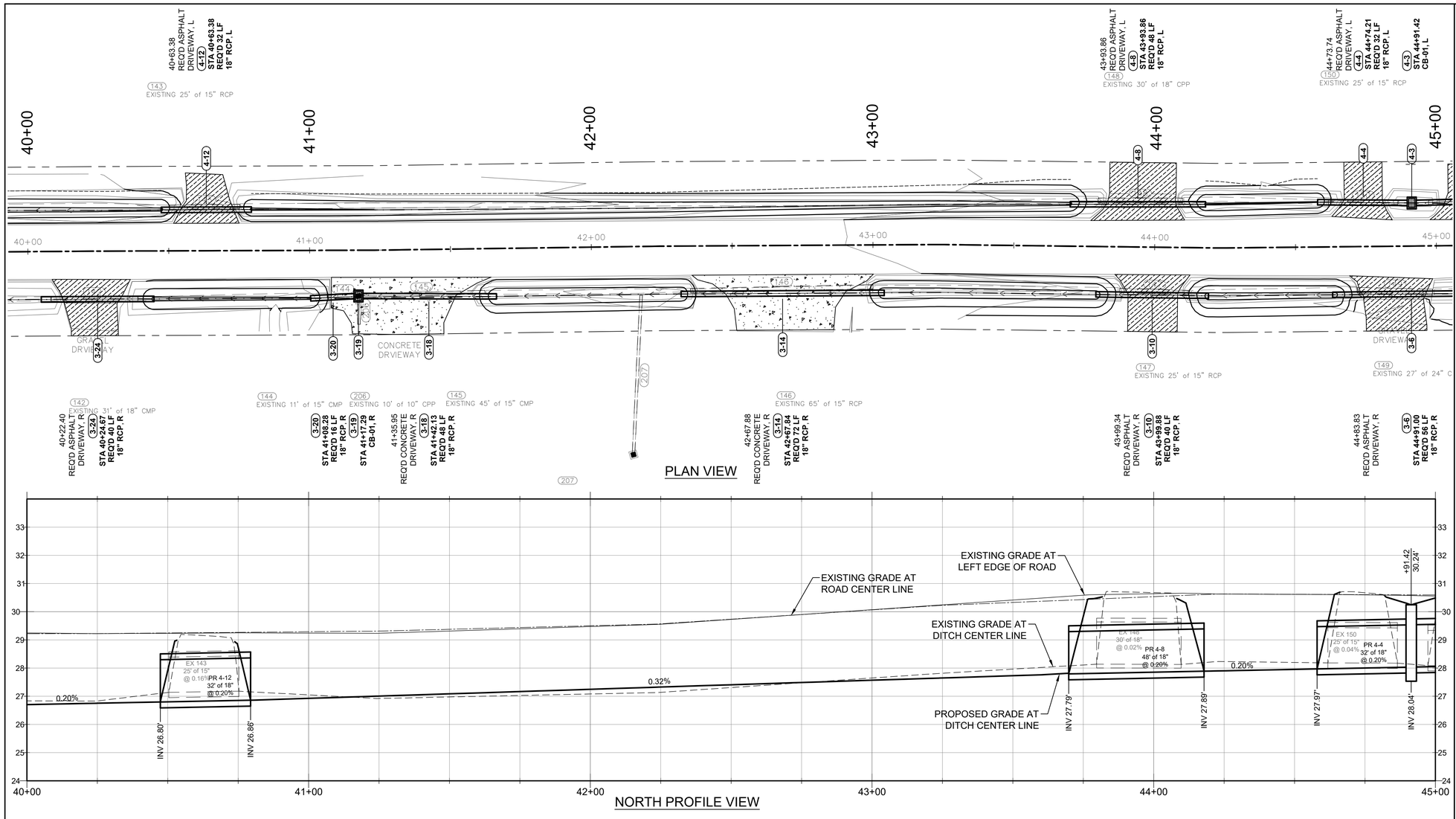
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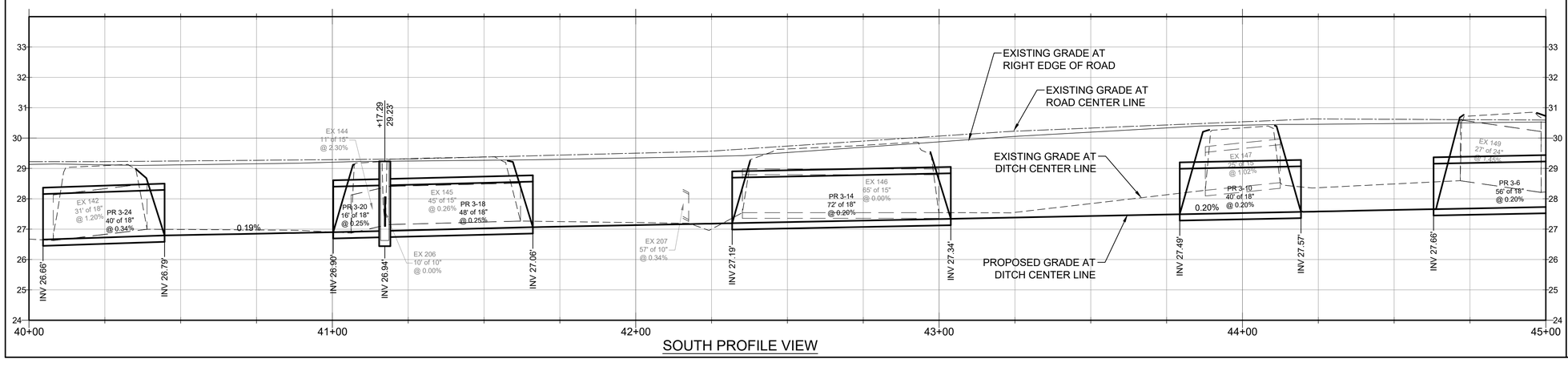
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SUBMITTAL DATE: SEPTEMBER, 2025
FILE NAME: -

STP PROJECT NO.
EN24000002

DRAWING NO.
PP-6

SHEET 14 OF 16





REV	DESCRIPTION	DATE	BY

PREPARED FOR:

ST. TAMMANY PARISH GOVERNMENT

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1515 Poydras St., Ste 930
New Orleans, LA 70112
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DESIGNED: ELV
DRAWN: JPH
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HORZ 0 20 40
VERT 0 2 4
SCALE IN FEET

STATE OF LOUISIANA
REGINA A. CASSANOVA
License No. 35639
PROFESSIONAL ENGINEER
9/8/2025

ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

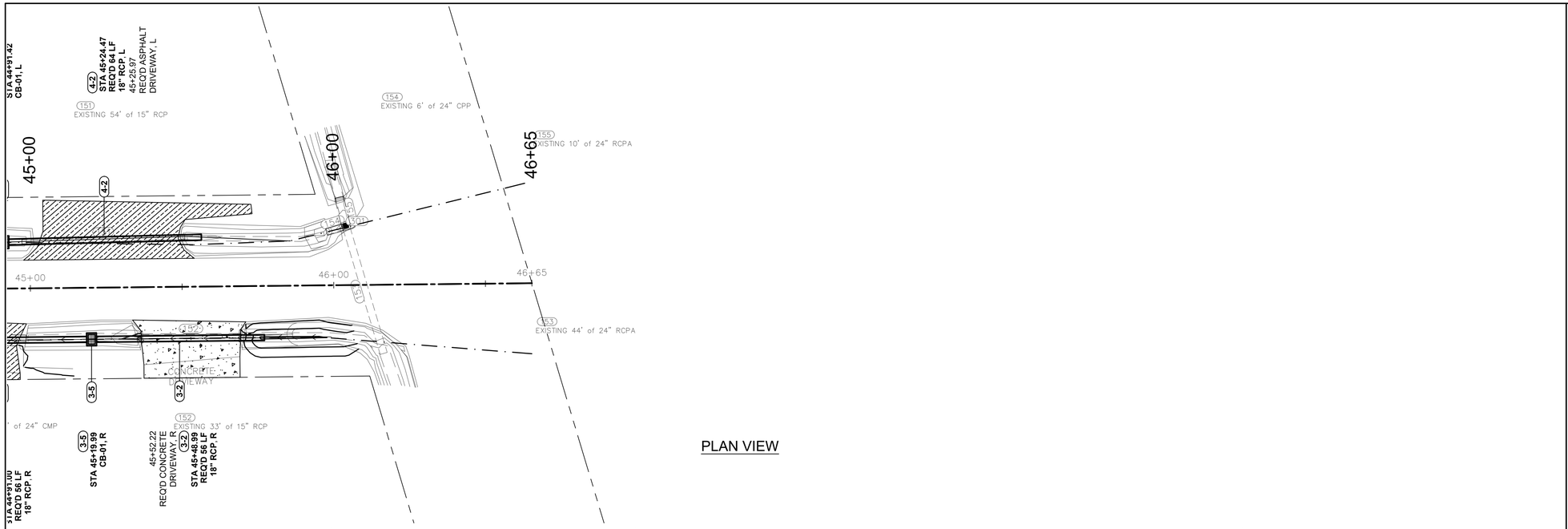
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SUBMITTAL DATE: SEPTEMBER, 2025
FILE NAME: -

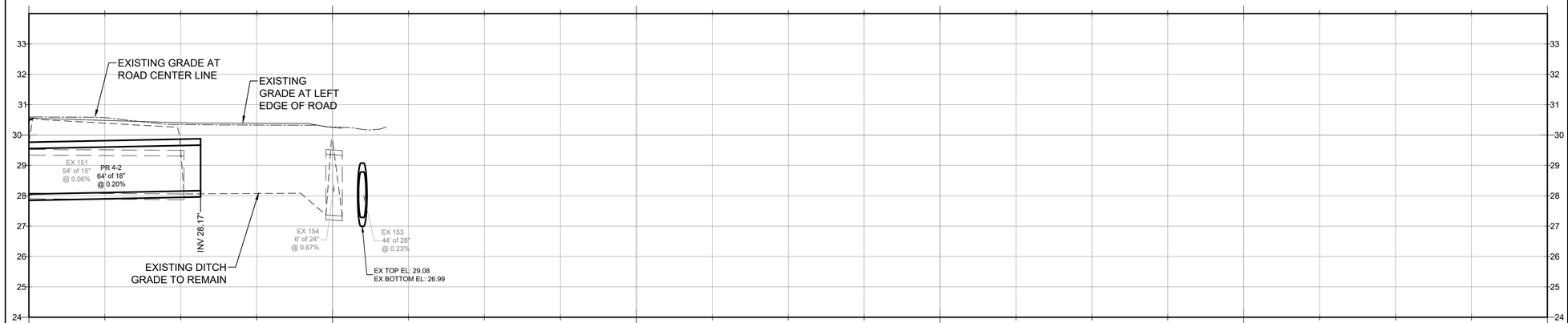
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EN24000002

DRAWING NO.
PP-7

SHEET 15 OF 16



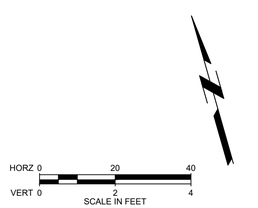
PLAN VIEW



NORTH PROFILE VIEW



SOUTH PROFILE VIEW





REV	DESCRIPTION	DATE	BY

PREPARED FOR:
ST. TAMMANY PARISH GOVERNMENT

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ST. TAMMANY PARISH, LOUISIANA
CASRIL DRIVE DRAINAGE IMPROVEMENTS

PLAN AND PROFILE

SCALE: AS NOTED
SUBMITTAL DATE: SEPTEMBER, 2025
FILE NAME: -

STP PROJECT NO.
EN24000002

DRAWING NO.
PP-8

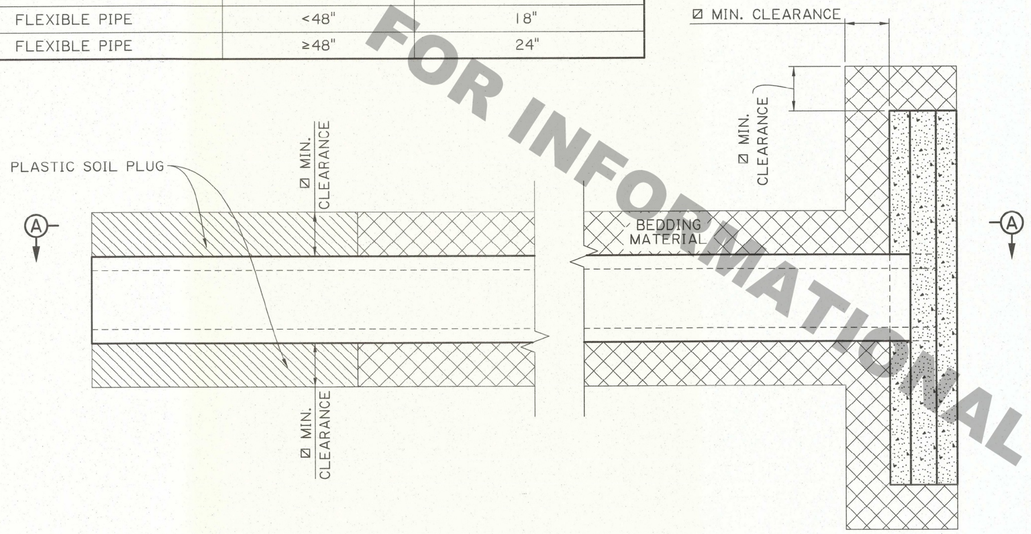
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09:45
10/23/2023

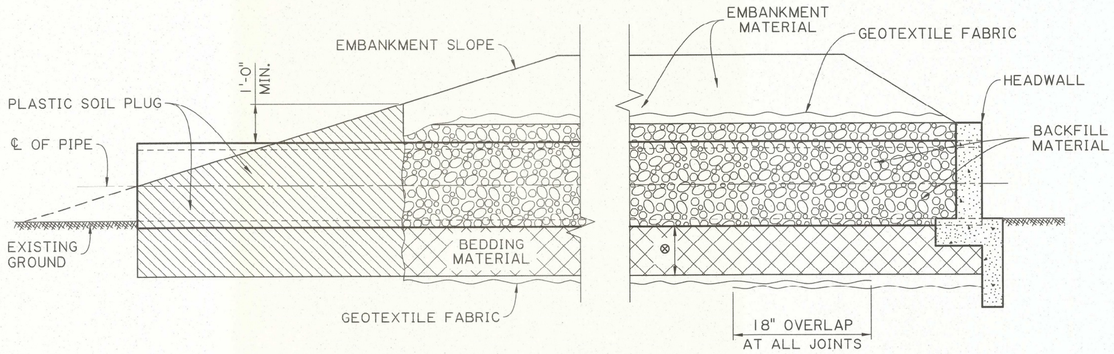
GENERAL NOTES :

1. REINFORCED CONCRETE PIPE AND FLEXIBLE PIPE ARE SHOWN AS TYPICAL STRUCTURES. DETAILS ALSO APPLY TO REINFORCED CONCRETE BOX CULVERT, REINFORCED CONCRETE PIPE ARCH, CORRUGATED METAL PIPE ARCH, AND CORRUGATED STRUCTURAL PLATE STRUCTURES.
2. CONSTRUCTION COVER REQUIREMENTS MAY EXCEED FINAL COVER.
3. CROSS DRAIN DETAILS APPLY TO ALL REACHES OF PIPE UNDER RIGID OR FLEXIBLE ROADWAYS.
4. FOR STRUCTURES INSTALLED OUTSIDE THE LIMITS OF THE ROADWAY, THE 12" OF FINAL BACKFILL ABOVE TYPE B BACKFILL UP TO THE EXISTING GROUND SHALL BE PLASTIC SOIL BLANKET MATERIAL. IF THE EMBANKMENT TO BE INSTALLED IS GREATER THAN 12" ABOVE EXISTING GROUND IN THE AREA OVER THE STRUCTURE, THEN THE PLASTIC SOIL BLANKET IS NOT REQUIRED AND TYPE B BACKFILL MAY EXTEND TO EXISTING GROUND.

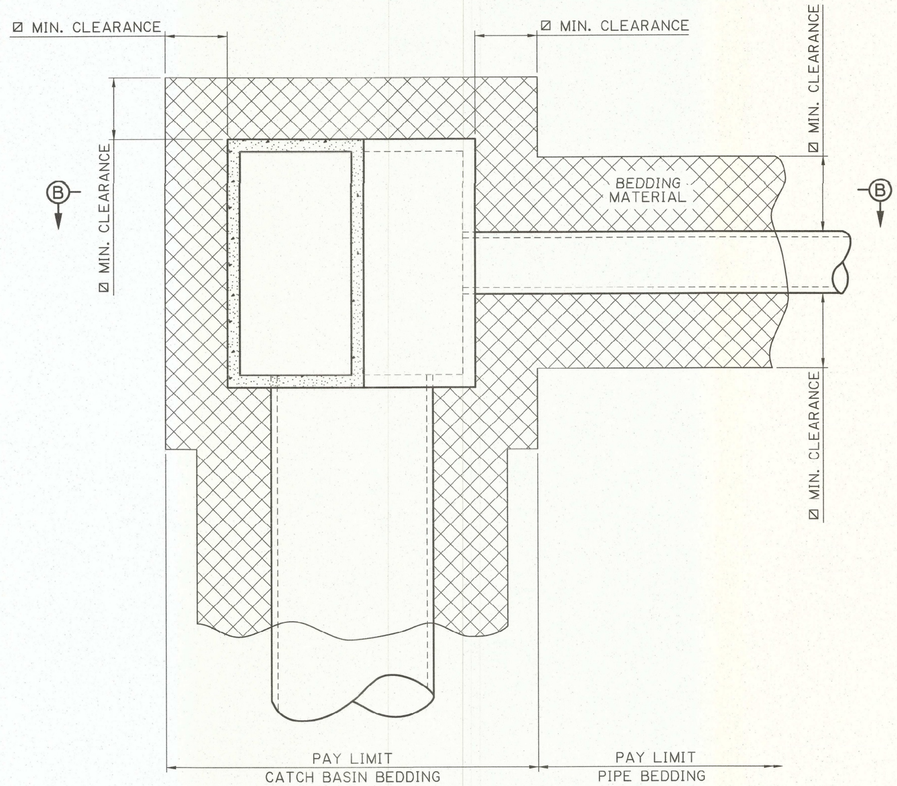
Ø MINIMUM TRENCH CLEARANCE		
TYPE OF STRUCTURE	INSIDE DIAMETER	MIN. CLEARANCE
REINFORCED CONCRETE	ALL	18"
FLEXIBLE PIPE	<48"	18"
FLEXIBLE PIPE	≥48"	24"



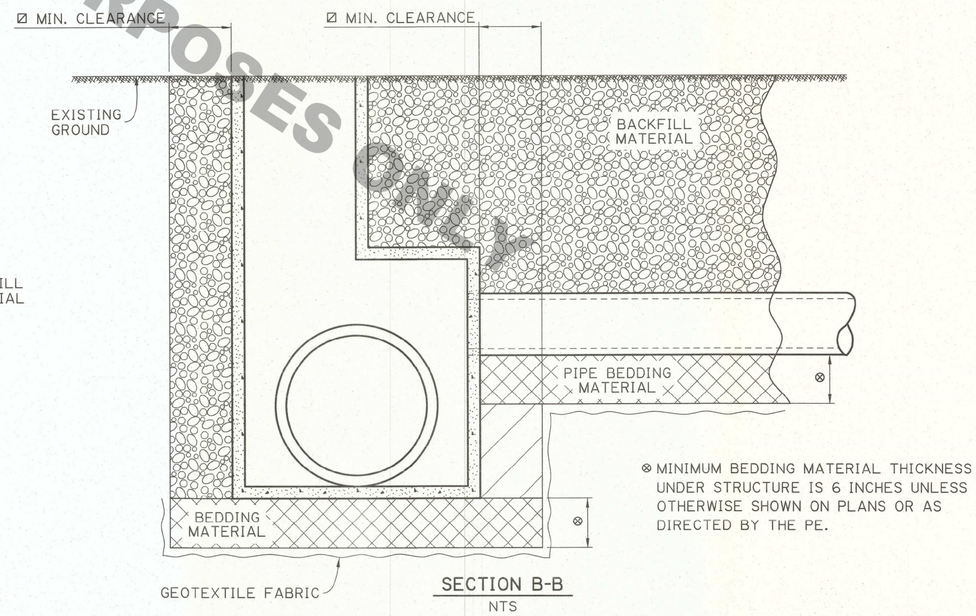
TYPICAL CROSS DRAIN INSTALLATION
WITH AND WITHOUT HEADWALL
(EMBANKMENT MATERIAL NOT SHOWN FOR CLARITY)
NTS



SECTION A-A
WITH AND WITHOUT HEADWALL
NTS



TYPICAL CATCH BASIN AND STORM DRAIN INSTALLATION
NTS



SECTION B-B
NTS

⊗ MINIMUM BEDDING MATERIAL THICKNESS UNDER STRUCTURE IS 6 INCHES UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE PE.

FOR INFORMATIONAL PURPOSES ONLY

SHEET NUMBER

PARISH	CONTROL SECTION	STATE PROJECT

DESIGN	C. NICKEL	DETAIL	L. HASTINGS	REVIEW	C. NICKEL	SERIES #	1 OF 2
CHECK	J. RAUSER	CHECK	A. NICKEL				

STATE OF LOUISIANA
CHRISTOPHER J. NICKEL
License No. 30572
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
10/23/2023

APPROVED BY CHIEF ENGINEER:
DATE: 10/26/2023

DRAINAGE STRUCTURES
BEDDING & BACKFILL
BM-01
STANDARD PLAN

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
PAVEMENT & GEOTECHNICAL SERVICES

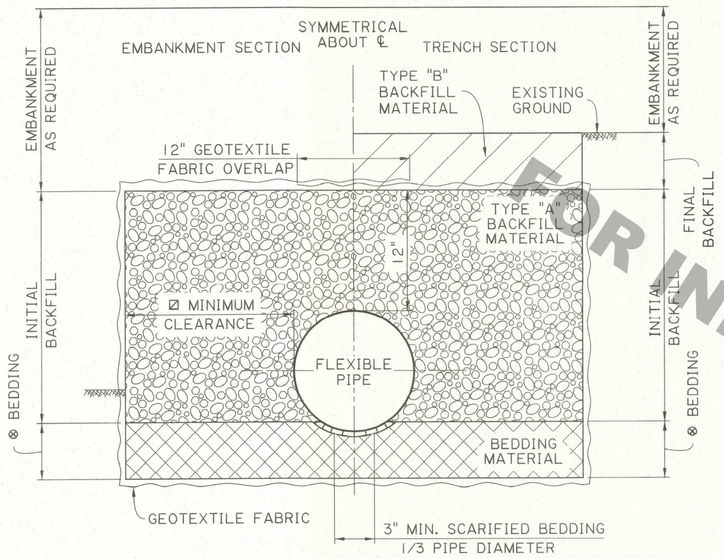
09:18
10/23/2023

⍁ MINIMUM TRENCH CLEARANCE		
TYPE OF STRUCTURE	INSIDE DIAMETER	MIN. CLEARANCE
REINFORCED CONCRETE	ALL	18"
FLEXIBLE PIPE	<48"	18"
FLEXIBLE PIPE	≥48"	24"

⊗ MINIMUM BEDDING MATERIAL THICKNESS UNDER STRUCTURE IS 6 INCHES UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE PE.

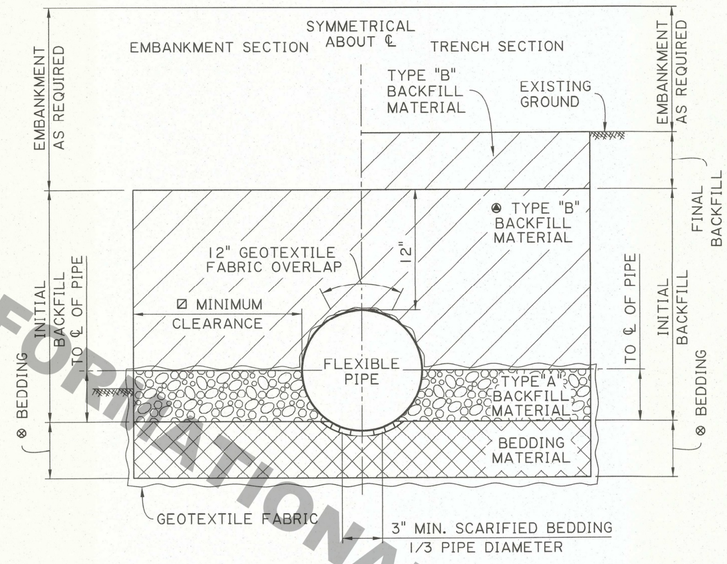
⚠ NO BEDDING MATERIAL REQUIRED UNLESS OTHERWISE SPECIFIED ON THE PLANS OR AS DIRECTED BY THE PE.

⍁ REFER TO NOTE 3 ON SHEET 1 OF THIS SERIES.



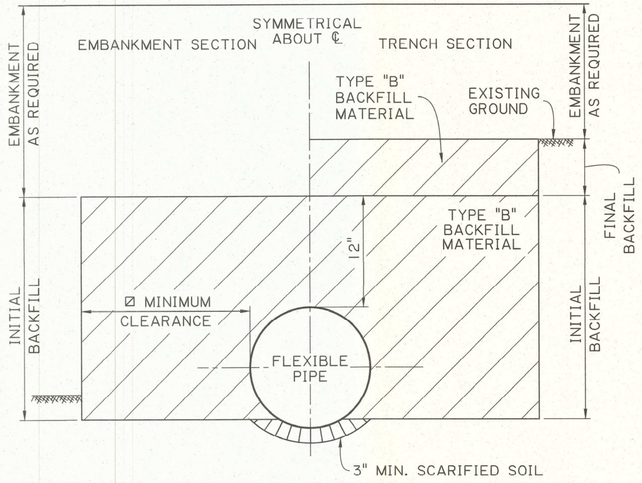
FLEXIBLE PIPE CROSS DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"



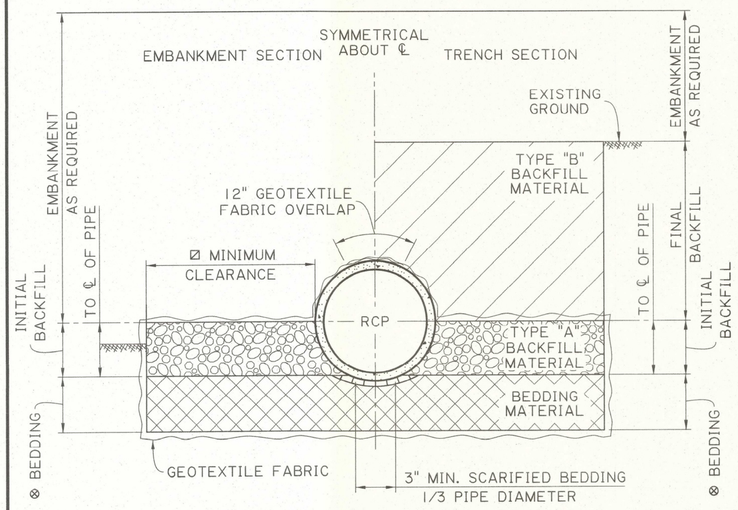
FLEXIBLE PIPE STORM DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"



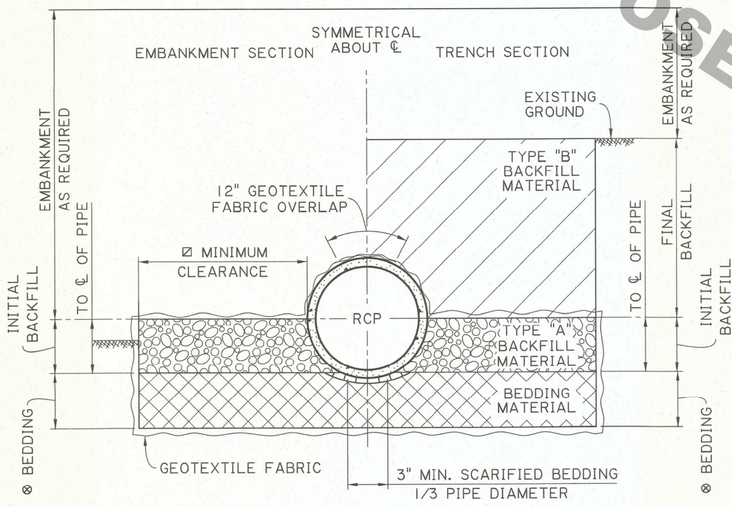
⚠ FLEXIBLE PIPE SIDE DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"



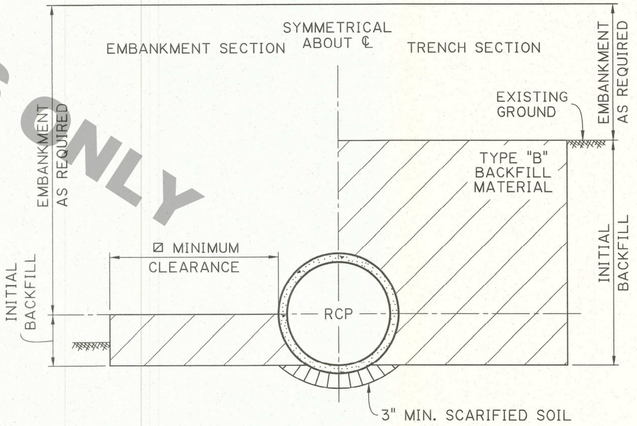
REINFORCED CONCRETE PIPE CROSS DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"



REINFORCED CONCRETE PIPE STORM DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"



⚠ REINFORCED CONCRETE PIPE SIDE DRAIN

TRENCH AND EMBANKMENT INSTALLATIONS
SCALE: 1½"=1'-0"

FOR INFORMATIONAL PURPOSES ONLY

SHEET NUMBER	
PARISH	
CONTROL SECTION	
STATE PROJECT	
DESIGN C. NICKEL	DETAIL L. HASTINGS
CHECK J. RAUSER	CHECK A. NICKEL
REVIEW C. NICKEL	SERIES # 2 OF 2

STATE OF LOUISIANA
CHRISTOPHER J. NICKEL
License No. 30572
PROFESSIONAL ENGINEER
IN
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10/23/2023

APPROVED BY CHIEF ENGINEER:
DATE: 10/26/2023

STATE OF LOUISIANA
JOHN BEL EDWARDS
GOVERNOR

DRAINAGE STRUCTURES

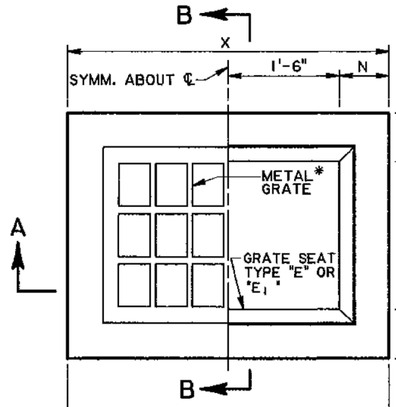
TYPICAL SECTIONS FOR CROSS DRAINS & SIDE DRAINS

STANDARD PLAN BM-01

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

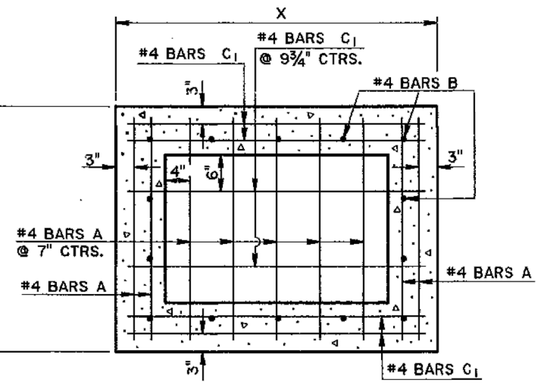
PAVEMENT & GEOTECHNICAL SERVICES

DIMENSIONS			
DEPTH OF BASIN	N	X	Y
FT.	IN.	FT.- IN.	FT.- IN.
0 - 8	7	4-2	3-2¼
8.1 - 12	8	4-4	3-4¼



PLAN

* GRATE TO BE TYPE "B" OR "C"
TYPE "B" SHOWN.

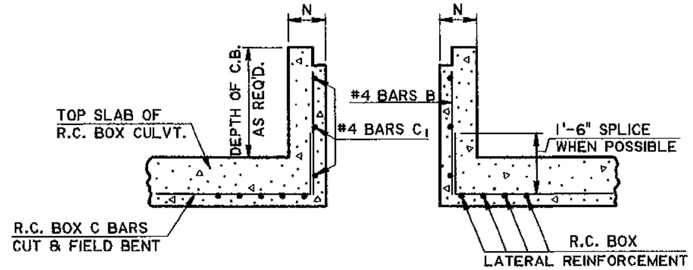


HORIZONTAL SECTION

SHOWING BOTTOM SLAB REINFORCING STEEL

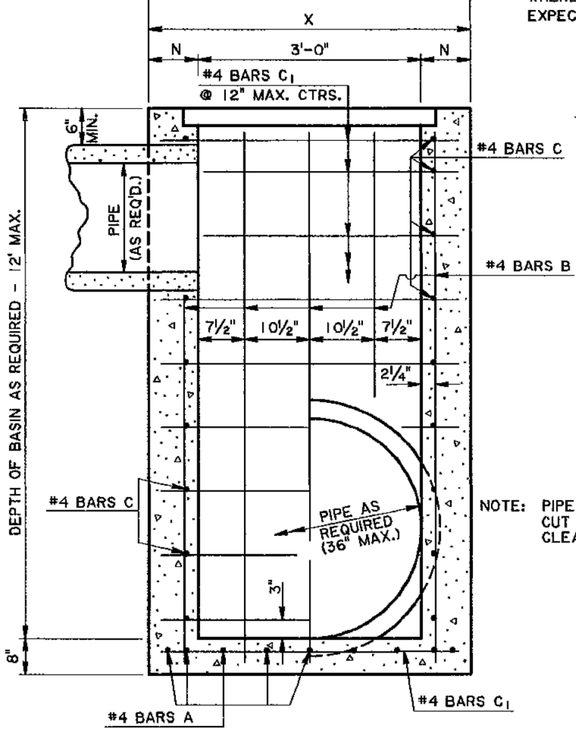
NOTE: TYPE "B" GRATE TO BE USED WHERE NO PEDESTRIAN TRAFFIC IS EXPECTED.

TYPE "C" GRATE TO BE USED WHERE PEDESTRIAN TRAFFIC IS EXPECTED.



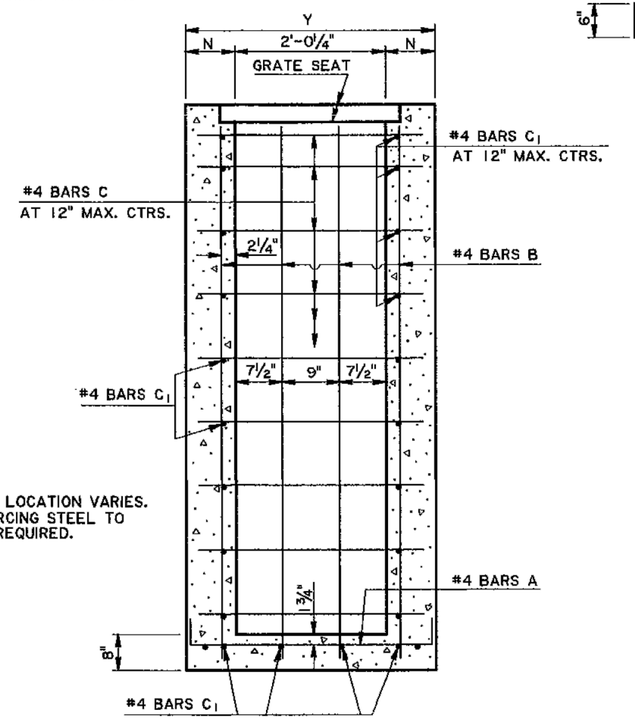
LONGITUDINAL SECTION

SHOWING CATCH BASIN
USED WITH R.C. BOX CULVERT.

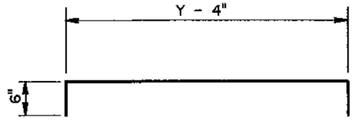


SECTION A-A

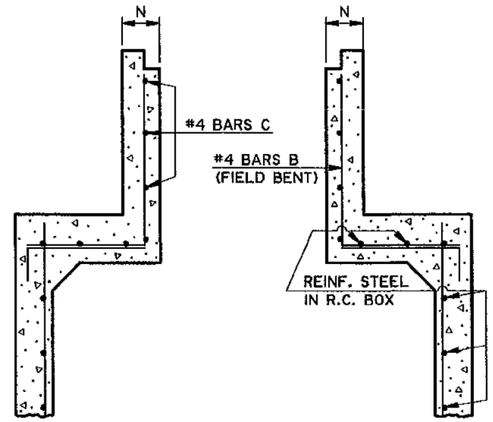
NOTE: PIPE SIZE & LOCATION VARIES. CUT REINFORCING STEEL TO CLEAR, AS REQUIRED.



SECTION B-B



#4 BARS A



TRANSVERSE SECTION

SHOWING CATCH BASIN
USED WITH R.C. BOX CULVERT.

GENERAL NOTES:

SECTION 702 OF THE CURRENT DOTD STANDARD SPECIFICATIONS SHALL APPLY.

DIMENSIONS RELATING TO REINFORCING STEEL ARE TO BAR CENTERS.

VERTICAL REINFORCING STEEL MAY BE SPLICED. SPLICE LENGTH IS 35 DIAMETERS.

FOR DETAILS OF GRATE AND SEAT, SEE STD. PLAN MC-01 (TYPE B or C).

SEE PLANS FOR TYPE OF GRATE TO BE USED FOR EACH CATCH BASIN.

SHEET NUMBER

PARISH | FEDERAL PROJECT | STATE PROJECT

DESIGNED PAA | DETAILED KAJ | CHECKED JCM | DATE 1-31-97 | SHEET 1 OF 1

CHECKED WMR

BY	REVISION DESCRIPTION	DATE	APPROVED BY CHIEF ENGINEER:
JCM	Converted Metric CB-01M to English CB-01	11-2-00	Original Signed by Chief Engineer

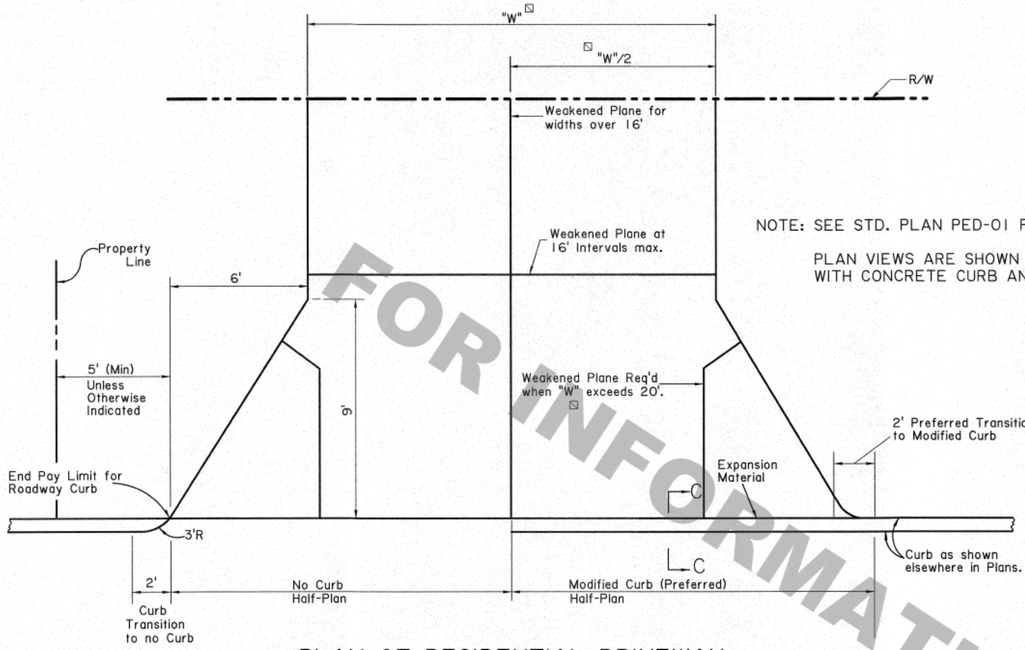
DATE:

CONCRETE OPEN TOP CATCH BASIN
Max. Pipe: 36" x 24"
Max. Depth: 12'
To Be Used In Conjunction With Std. Plan MC-01

STANDARD PLAN CB-01

HYDRAULICS SECTION

R:\Unit022\Driveway Standards\DRIVEWAY STANDARDS UPDATE - Aidan Eymard 2021\MicroStation Files\DW01 NEWEST.dgn 8/2/2022 08:53



PLAN OF RESIDENTIAL DRIVEWAY

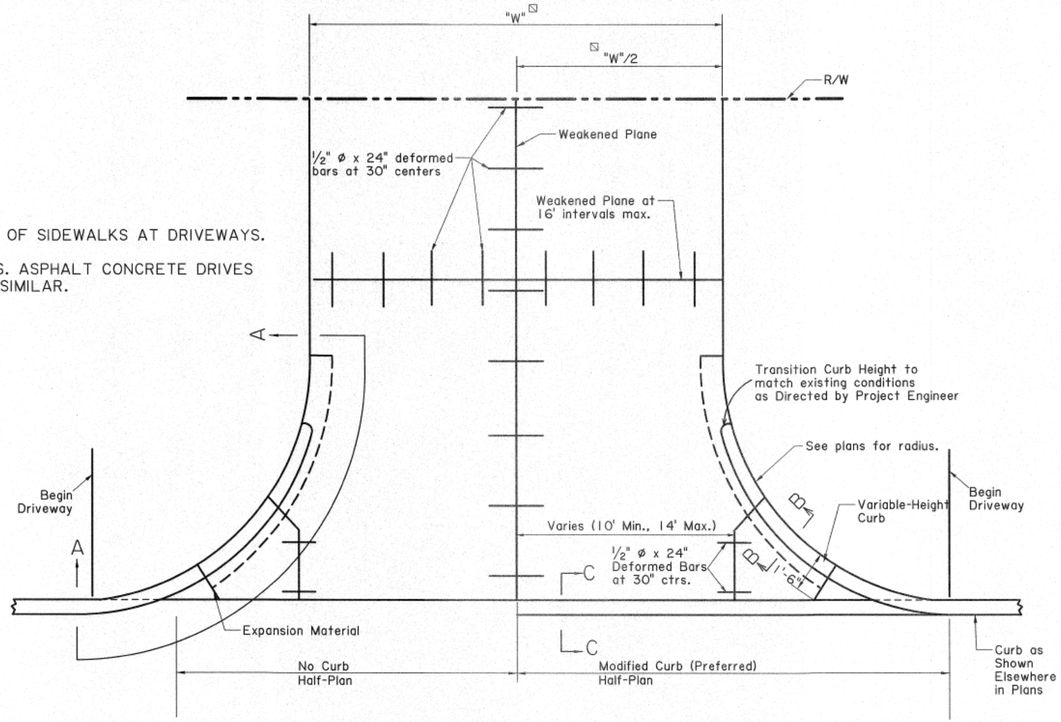
NOTE: SEE STD. PLAN PED-01 FOR TREATMENT OF SIDEWALKS AT DRIVEWAYS.

PLAN VIEWS ARE SHOWN FOR PCC DRIVES. ASPHALT CONCRETE DRIVES WITH CONCRETE CURB AND GUTTER ARE SIMILAR.

NOTE: MODIFIED CURB TO BE PAID FOR AS CURB AND WILL BE USED AS SHOWN IN THE PLANS OR WHEN DIRECTED BY THE PROJECT ENGINEER.

RADII TRANSITION SHAPE MAY BE USED IN LIEU OF A FLARE.

⧅ "W" = Width as per plans

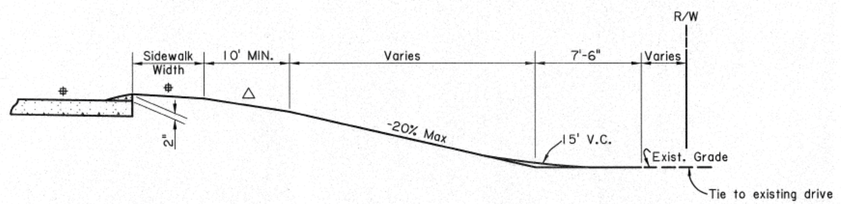


PLAN OF COMMERCIAL DRIVEWAY

NOTE: MODIFIED CURB TO BE PAID FOR AS CURB AND WILL BE USED AS SHOWN IN THE PLANS OR WHEN DIRECTED BY THE PROJECT ENGINEER.

WHEN CURB IS REQUIRED ALONG RADII OF DRIVEWAY, PAYMENT FOR TOE WALL AND CURB WILL BE INCLUDED IN THE PRICE FOR DRIVEWAY ITEMS.

WHEN CURB IS NOT REQUIRED ALONG RADII, TRANSITION CURB AS SHOWN ON RESIDENTIAL DRIVEWAY.



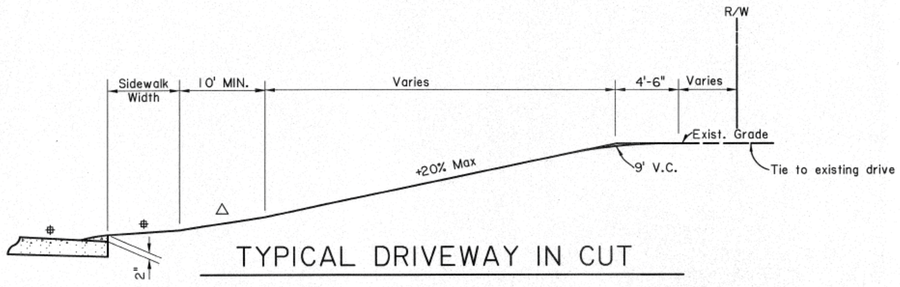
TYPICAL DRIVEWAY IN FILL

NOTES:

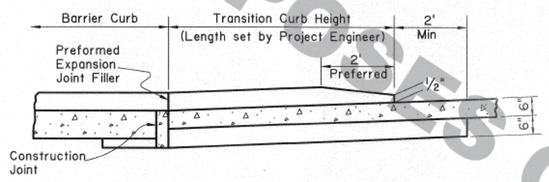
1. DRIVEWAY PROFILES SHOWN ASSUME A SIDEWALK ADJACENT TO THE CURB.

△ 2. MAXIMUM DRIVEWAY GRADE SHALL BE 20% (25% FOR SPECIAL CASES). MAXIMUM BREAK IN GRADE WITHOUT A VERTICAL CURVE SHALL BE 10% FOR CRESTS AND 9% FOR SAGS, AT NOT LESS THAN 10' INTERVALS.

⌖ 3. ROADWAY AND SIDEWALK SLOPES VARY AS PER PLANS.

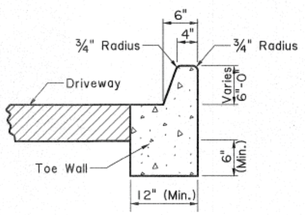


TYPICAL DRIVEWAY IN CUT



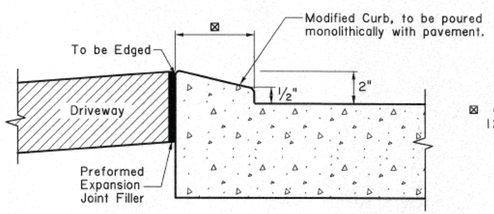
SECTION A-A

(Weakened Plane not shown.)



SECTION B-B

NOTE: For PCC Driveway, Curb, Toe Wall & Driveway to be poured monolithically.



⊠ 6" to match Barrier Curb
12" to match Mountable Curb

SECTION C-C

NOTE: See Std. Plan CP-01 for Curb construction

FOR INFORMATIONAL PURPOSES ONLY

SHEET NUMBER		
PARISH	CONTROL SECTION	STATE PROJECT
DESIGN P. TONEY	DETAIL P. TONEY	REVIEW D. SMITH
CHECK R. MCMILLAN	CHECK R. MCMILLAN	SERIES # 1 OF 3

STATE OF LOUISIANA
AIDAN EYMARD
License No. 46220
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
8/2/2022

APPROVED BY CHIEF ENGINEER: DATE: 8/4/2022

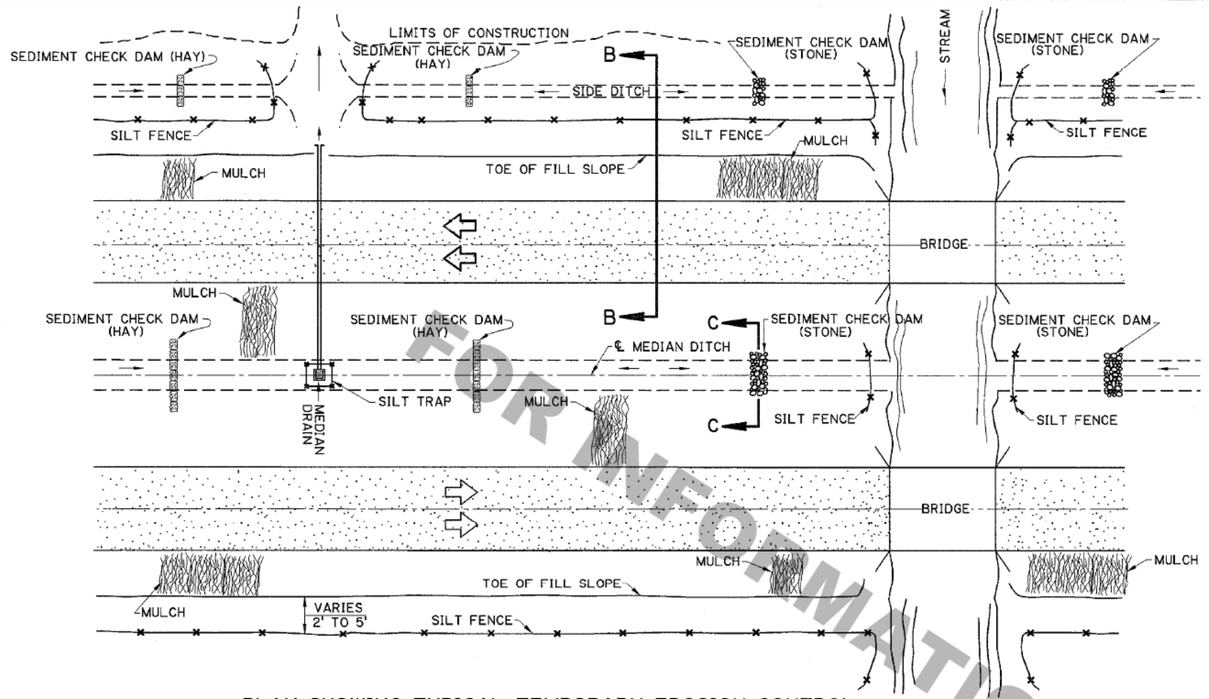
DRIVEWAYS ON CURBED ROADWAYS

STANDARD PLAN DW-01

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

STANDARD PLAN

14-OCT-2008 17:15

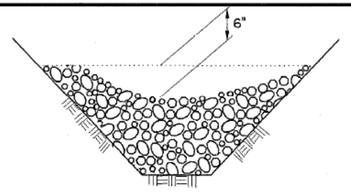


PLAN SHOWING TYPICAL TEMPORARY EROSION CONTROL

MULCHES

MULCHES ARE THE APPLICATION OF MATS OF MATERIAL PLACED ON THE SOIL SURFACE TO PREVENT EROSION BY PROTECTING THE SOIL SURFACE FROM RAINDROP IMPACT AND TO REDUCE THE VELOCITY OF OVERLAND FLOW. MULCHES CAN BE ORGANIC OR SYNTHETIC. MULCHES SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR TEMPORARY EROSION CONTROL. A FEW GUIDELINES FOR THE USE OF MULCHES ARE:

1. USE ON CUT AND EMBANKMENT SLOPES WHICH HAVE NOT BEEN COMPLETED TO PLAN GRADE OR WHERE THE WEATHER OR SOIL CONDITIONS WILL NOT PERMIT COMPLETING THEM WITHIN A REASONABLE TIME
2. USE ON CLEARED, GRUBBED , AND SCALPED AREAS WHERE SOIL EROSION IS LIKELY TO occur
3. USE WITH TEMPORARY SEEDING



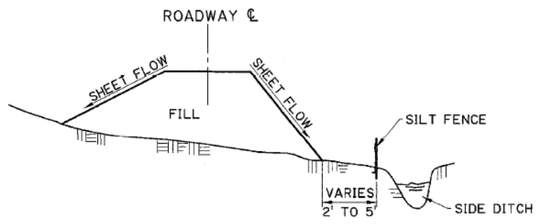
SECTION C-C

TEMPORARY SEDIMENT CHECK DAM (STONE)

PAY ITEM: TEMPORARY SEDIMENT CHECK DAM (STONE)

NOTES:
A STONE CHECK DAM IS A SMALL TEMPORARY DAM CONSTRUCTED ACROSS A SWALE OR DRAINAGE DITCH. THE PURPOSE OF THIS MEASURE IS TO REDUCE THE VELOCITY OF CONCENTRATED STORM WATER FLOWS, THEREBY REDUCING EROSION OF THE SWALE OR DITCH. THE STONE CHECK DAM WILL TRAP SMALL AMOUNTS OF SEDIMENTS GENERATED IN THE DITCH ITSELF, HOWEVER IT SHOULD NOT BE USED AS A SEDIMENT TRAPPING DEVICE. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF STONE CHECK DAMS ARE:

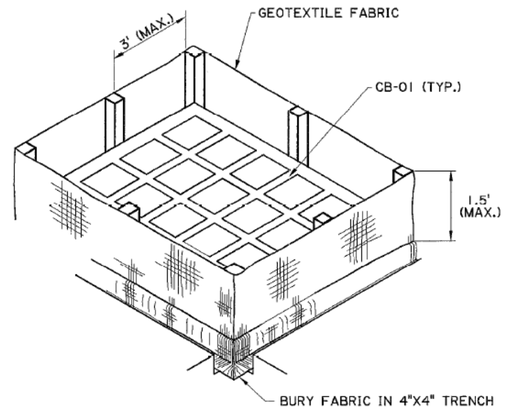
1. USE IN SMALL OPEN CHANNELS WHICH DRAIN 10 ACRES OR LESS
2. DO NOT USE IN A LIVE STREAM
3. USE IN A TEMPORARY DITCH OR SWALE WHICH, BECAUSE OF THEIR SHORT LENGTH OF SERVICE, CANNOT RECEIVE A NON- ERODIBLE LINING
4. USE IN PERMANENT DITCHES OR SWALES WHICH WILL NOT RECEIVE A PERMANENT LINING FOR AN EXTENDED PERIOD OF TIME
5. USE IN TEMPORARY OR PERMANENT DITCHES OR SWALES WHICH NEED PROTECTION DURING THE ESTABLISHMENT OF GRASS LININGS
6. FOR STONE SPECIFICATIONS, SEE PROJECT SPECIFICATIONS FOR RIPRAP, (CLASS 2 LB)



SECTION B-B

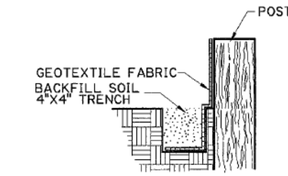
TEMPORARY SILT FENCE APPLICATION

(FOR CONSTRUCTION DETAILS AND SPECIFICATIONS SEE SHEET 2 OF 2.)

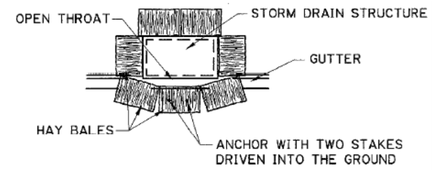


ISOMETRIC VIEW SHOWING GEOTEXTILE FABRIC

(BACKFILL SOIL NOT SHOWN)



SECTION THRU TRENCH SHOWING GEOTEXTILE FABRIC



PLAN SHOWING HAY BALES

PAY ITEM: TEMPORARY HAY OR STRAW BALES

TEMPORARY INLET SILT TRAP

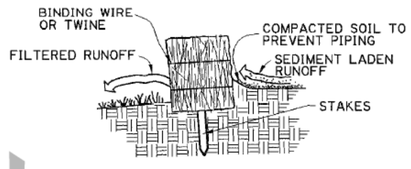
THE TEMPORARY DROP INLET SILT TRAP IS TO BE USED FOR SMALL DRAINAGE AREAS (LESS THAN 1 ACRE) WHERE THE STORM DRAIN IS FUNCTIONAL BEFORE THE AREA IS STABILIZED. THE TRAP CAN BE EITHER GEOTEXTILE FABRIC OR HAY BALES.

1. THE GEOTEXTILE FABRIC SHALL CONFORM TO PROJECT SPECIFICATIONS FOR GEOTEXTILE FABRIC (CLASS G).
2. WOODEN STAKES SUPPORTING THE FABRIC SHALL BE 2" X 2" OR 2" X 4" WITH A MINIMUM LENGTH OF 3 FEET. THE STAKES SHALL BE SPACED AROUND THE INLET AT A MAXIMUM SPACING OF 3 FEET.
3. THE HEIGHT OF THE FABRIC ABOVE THE INLET SHALL BE LIMITED TO 1.5' AND THE BOTTOM OF THE FABRIC SHALL BE BURIED IN A TRENCH APPROXIMATELY 4" WIDE BY 4" DEEP. THE FABRIC SHALL BE STAPLED TO THE POST WITH ½" STAPLES.
4. THE TRAP SHOULD BE INSPECTED REGULARLY AND AFTER EACH STORM. THE SEDIMENT SHOULD BE REMOVED AND EACH STAKE SHOULD BE FIRMLY IN THE GROUND.
5. HAY BALES SHALL BE PLACED SO THAT THE BINDING WIRE OR TWINE IS NOT IN CONTACT WITH THE GROUND.



POINTS A SHOULD BE HIGHER THAN POINT B.

ELEVATION



SECTION A-A

TEMPORARY SEDIMENT CHECK DAM (HAY)

PAY ITEM: TEMPORARY SEDIMENT CHECK DAM (HAY)

NOTES:
A HAY BALE BARRIER IS A TEMPORARY SEDIMENT BARRIER CONSISTING OF A ROW OF ENTRENCHED AND ANCHORED BALES OF STRAW OR HAY. THE HAY BALE BARRIER IS ALSO USED AS A CHECK DAM TO REDUCE THE VELOCITY IN SMALL DITCHES OR SWALES. THE HAY BALES SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR TEMPORARY EROSION CONTROL.
A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A HAY BALE BARRIER ARE:

1. USE WHERE EROSION WOULD OCCUR IN THE FORM OF SHEET AND RILL EROSION
2. USE IN MINOR SWALES OR DITCHES WHERE THE MAXIMUM DRAINAGE AREA IS 2 ACRES
3. ONLY USE WHERE THE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS
4. DO NOT USE IN LIVE STREAMS OR IN SWALES OR DITCHES WHERE THERE IS A POSSIBILITY OF A WASHOUT

FOR INFORMATIONAL PURPOSES ONLY

SHEET NUMBER

PARISH | FEDERAL PROJECT | STATE PROJECT

DESIGNED JCM | DETAILED KAJ | DATE 1-14-94
CHECKED | CHECKED JCM | SHEET 1 OF 2

NO.	REVISION DESCRIPTION	BY	DATE
1	REMOVE SPECIFIC PAY ITEM NOS., GENERAL REVISIONS	MH	10-1-08

APPROVED BY CHIEF ENGINEER: [signature] DATE: 10-1-08

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

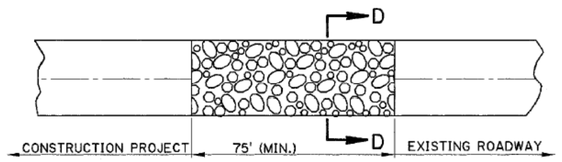
TEMPORARY EROSION CONTROL DETAILS

STANDARD PLAN EC-01

HYDRAULICS SECTION

IP_PWP:dms09544\EC-01(2008)(SHEET 1).dgn

14-OCT-2008 17:18



PLAN



SECTION D-D

TEMPORARY STONE CONSTRUCTION ENTRANCE

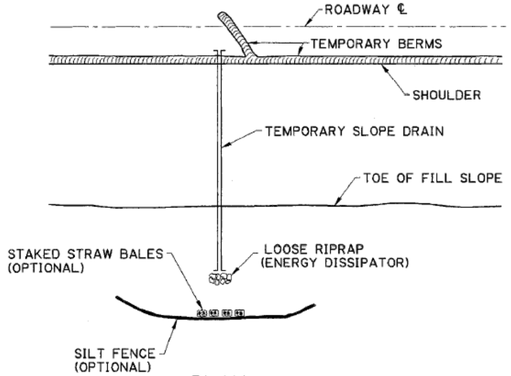
PAY ITEM: TEMPORARY STONE CONSTRUCTION ENTRANCE

NOTES:

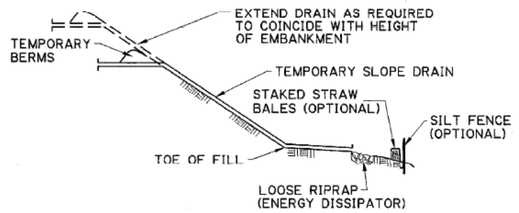
TEMPORARY STONE CONSTRUCTION ENTRANCE AND/OR WASH RACK

A STONE STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON THE CONSTRUCTION SITE TO REDUCE THE AMOUNT OF MUD TRANSPORTED ONTO PUBLIC ROADS. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLE ENTERS A PUBLIC ROAD. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A STONE ENTRANCE AND/OR WASH RACKS ARE:

1. THE STONE LAYER MUST BE AT LEAST 6 INCHES THICK.
2. THE STONE SHALL CONFORM TO PROJECT SPECIFICATIONS FOR RIPRAP (CLASS 2 LB).
3. THE LENGTH OF THE PAD MUST BE A LEAST 75 FEET AND IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS.
4. A GEOTEXTILE FABRIC UNDERLINER IS REQUIRED. THE GEOTEXTILE FABRIC SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR GEOTEXTILE FABRIC (CLASS D).
5. IF A WASH RACK IS NECESSARY, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE.



PLAN



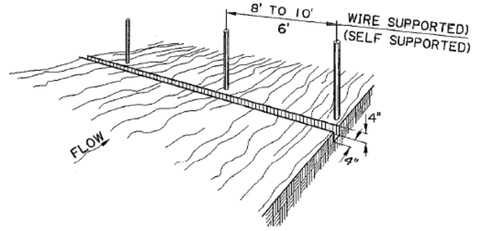
ELEVATION

TEMPORARY SLOPE DRAIN

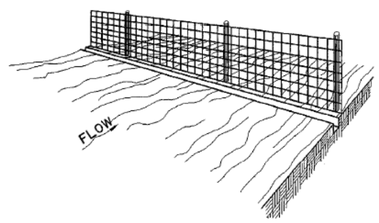
A TEMPORARY SLOPE DRAIN IS A DEVICE USED TO CARRY WATER FROM THE CONSTRUCTION WORK AREA TO A LOWER ELEVATION. SLOPE DRAINS MAY BE PLASTIC SHEET, METAL OR PLASTIC PIPE, STONE GUTTERS, FIBER MATS, OR CONCRETE OR ASPHALT DITCHES. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A TEMPORARY SLOPE DRAIN ARE:

1. THE SPACING OF THE SLOPE DRAINS VARIES WITH THE ROAD GRADE.
   FOR GRADES: 0.0% - 2.0% USE 500' SPACING
   2.1% - 5.0% USE 200' SPACING
   GREATER THAN 5.0% USE 100' SPACING
2. SLOPE DRAIN MATERIAL: SMOOTH PIPE - 8" MINIMUM - 3 MILS THICK MIN.
   CORRUGATED PIPE - 12" MINIMUM
   PLASTIC SHEETING - 4' WIDE MINIMUM
   PLASTIC SHEETING - 3 MILS THICK MIN.
3. PLASTIC SHEETING CAN BE STAKED DOWN OR WEIGHTED WITH ROCKS OR LOGS. THE AREA UNDER THE SHEETING SHOULD BE SHAPED TO PROVIDE AN ADEQUATE CHANNEL.
4. THE OUTLET END SHOULD BE PROTECTED OR HAVE SOME MEANS OF DISSIPATING ENERGY. THE FLOW SHOULD BE DIRECTED THROUGH A SEDIMENT TRAP SUCH AS A SILT FENCE, HAY BALES, OR OTHER APPROVED SEDIMENT CONTROL DEVICES.
5. TO INSURE PROPER OPERATION, TEMPORARY SLOPE DRAINS SHOULD BE INSPECTED REGULARLY AND AFTER EACH STORM, FOR CLOGGING OR DISPLACEMENT. EROSION AT THE OUTLET SHOULD BE CHECKED AND THE SILT TRAPS CLEANED IF NECESSARY.

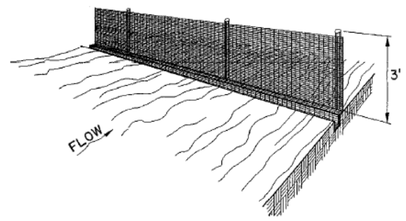
1. SET POSTS AND EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.



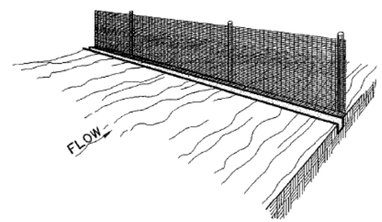
2. STAPLE WIRE FENCING TO THE POSTS.



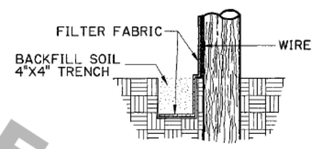
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.



4. BACKFILL AND COMPACT EXCAVATED SOIL.



EXTENSION OF FABRIC INTO THE TRENCH.



CONSTRUCTION OF TEMPORARY SILT FENCING

(WIRE SUPPORTED SILT FENCE IS SHOWN. SELF SUPPORTED SILT FENCE WILL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.)

NOTES:

SILT FENCING IS A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC SUPPORTED BY POSTS AND STRETCHED ACROSS AN AREA TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT. THE SILT FENCING SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS FOR TEMPORARY EROSION CONTROL. A FEW BASIC GUIDELINES FOR THE USE OF SILT FENCING ARE:

1. USE WHERE EROSION WOULD OCCUR IN THE FORM OF SHEET AND RILL EROSION
2. USE WHERE THE MAXIMUM DRAINAGE AREA BEHIND THE SILT FENCE IS 1/4 ACRE PER 100 FEET OF SILT FENCE LENGTH
3. USE WHERE THE MAXIMUM SLOPE LENGTH BEHIND THE BARRIER IS 100 FEET
4. USE THERE THE MAXIMUM GRADIENT BEHIND THE BARRIER IS 2:1
5. DO NOT USE SILT FENCES IN LIVE STREAMS OR IN DITCHES OR SWALES WHERE FLOWS EXCEED ONE CUBIC FOOT PER SECOND

FOR INFORMATIONAL PURPOSES ONLY

SHEET NUMBER

PARISH | FEDERAL PROJECT | STATE PROJECT

DESIGNED JCM | DETAILED KAJ | DATE 1-14-94
CHECKED | CHECKED JCM | SHEET 2 OF 2

BY | DATE | REVISION DESCRIPTION
MH | 10-1-08 | REMOVE SPECIFIC PAY ITEM NOS., GENERAL REVISIONS

APPROVED BY CHIEF ENGINEER

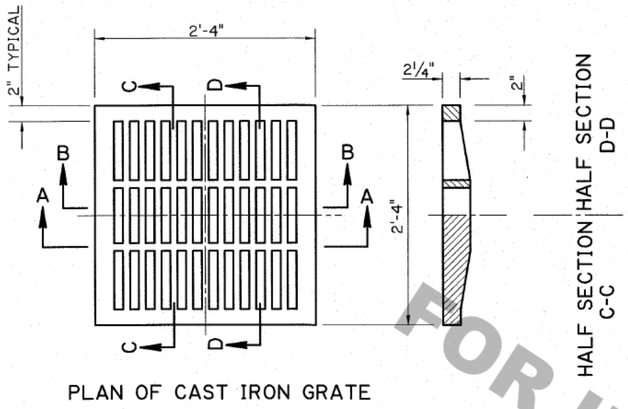
DATE 10-1-08

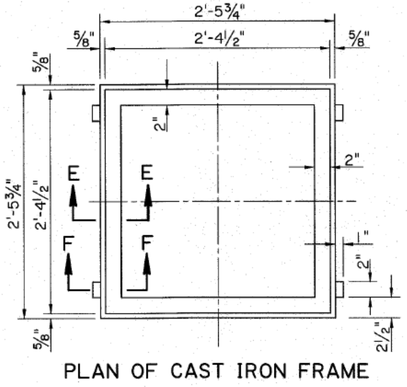
TEMPORARY EROSION CONTROL DETAILS

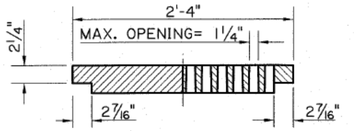
STANDARD PLAN EC-01

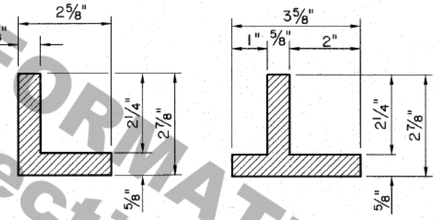
HYDRAULICS SECTION

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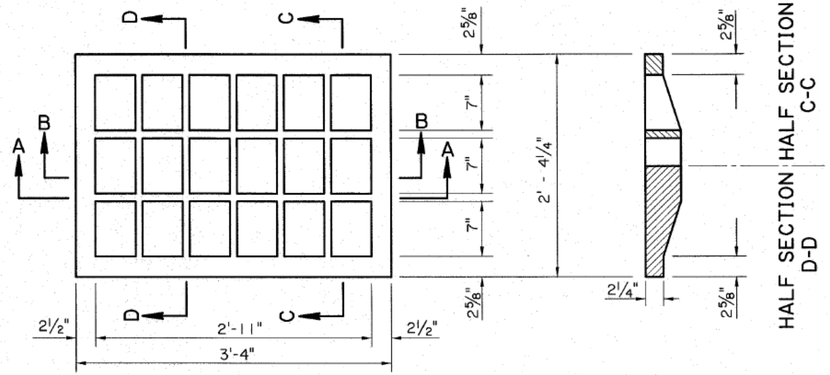


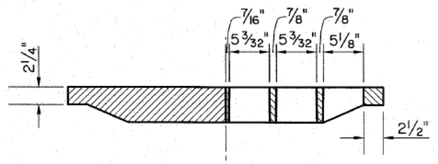


TYPE "A"

CAST IRON GRATE & FRAME

MIN. OPENING = 290 SQ. IN. AREA





TYPE "B"

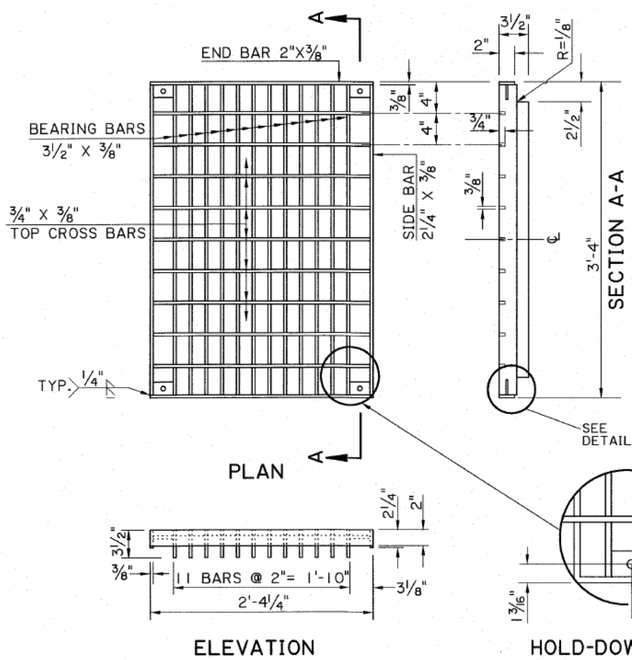
CAST IRON GRATE

NOTE: UNLESS OTHERWISE STATED, TYPE "E" FRAME WILL BE USED WITH THIS GRATE.

TYPE "C"

STEEL DRAIN GRATE

NOTES:
1. GRATES TO BE GALVANIZED AFTER FABRICATION.
2. UNLESS OTHERWISE STATED, TYPE "E1" FRAME IS TO BE USED WITH THESE GRATES. (SEE SHEET 2)
3. SUPPLIER OF GRATE ALSO IS TO FURNISH PRE-FITTED GRATE FRAME.



WELDED & SEALED DRAIN GRATE

ALL JOINTS FULL DEPTH ¼" FILLET WELDS WITH SEAL WELDS TOP AND BOTTOM UNLESS NOTED OTHERWISE.

ALL BEARING BARS TO BE SET FLUSH ON GRATE FRAME.

WEIGHT OF DRAIN GRATE = 233 LBS. ± 5%

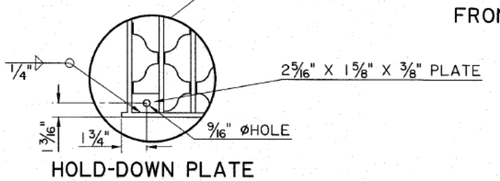
RIVETED RETICULINE DRAIN GRATE (ALTERNATE)

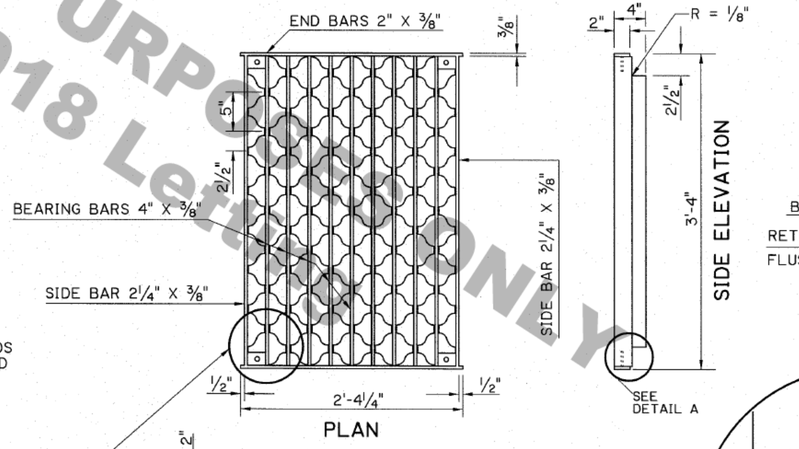
ALL JOINTS FULL DEPTH ¼" FILLET WELDS WITH SEAL WELDS TOP AND BOTTOM UNLESS NOTED OTHERWISE.

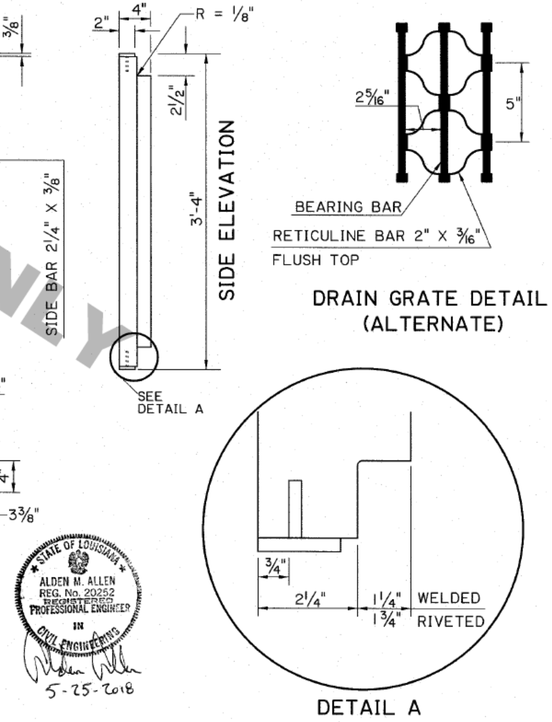
ALL BEARING BARS TO BE SET FLUSH ON GRATE FRAME.

CENTER TO CENTER OF BEARING BARS EQUAL 2⅝" PLUS BEARING BAR THICKNESS.

WEIGHT OF DRAIN GRATE = 266 LBS. ± 5%







STATE OF LOUISIANA
ALDEN M. ALLEN
REG. No. 20252
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
5-25-2018

FOR INFORMATIONAL PURPOSES ONLY
Effective 12/12/2018 Letting

SHEET NUMBER	PARISH	CONTROL SECTION	STATE PROJECT

DESIGNED	AMA
CHECKED	AMA
DETAILED	TL
CHECKED	AMA
SERIES NUMBER	9/01/17
	1 OF 6

REVISION DESCRIPTION	BY	DATE

APPROVED BY CHIEF ENGINEER: [signature] DATE: 5/25/18

DETAILS OF GRATES, GRATE FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES

STANDARD PLAN NO. MC-01

DOTD HYDRAULICS SECT.

GENERAL PROVISIONS

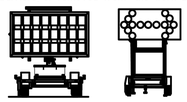
- All temporary traffic control (TTC) devices used shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges, the MUTCD, and shall meet the NCHRP Report 350 or MASH requirements for Test Level 3 devices where applicable.
- Materials used for TTC shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges and, when applicable, the LADOTD AML.
- Placement of TTC devices shall not commence without the approval of the Engineer and until work is about to begin, unless they are covered.
- No lane closures, lane shifts, diversions or detours shall occur without the approval of the Engineer.
- Responsibility is hereby placed upon the contractor for the installation, maintenance and operation of all TTC devices called for in these plans or required by the Engineer for the protection of the traveling public as well as all LADOTD and construction personnel.
- The contractor shall also be responsible for the maintenance of all permanent signs, pavement markings, and traffic signals left in place as essential to the safe movement and guidance of traffic within the project limits unless noted in the plans.
- The DTOE shall serve as a technical advisor to the Engineer for all traffic control matters.
- The Chief Construction Engineer or his appointed designee shall approve all signs and situations not addressed in the plans based on the recommendations of the Project Engineer and the DTOE. All changes shall be noted in all project traffic control diaries.
- The Chief Construction Engineer or his appointed designee shall approve all design speeds of diversions or shifts, if it differs from design plans, based on the recommendations of the Project Engineer and the DTOE.
- All temporary traffic control plans shall comply with the Transportation Management Plan.
- Any additional signs shown in the MUTCD and required by the Engineer shall be installed under Item 713-01-00100.
- Neither work activity nor storage of equipment, vehicles, TMAs, or materials shall occur within the buffer space.
- When a work area has been established on one side of the roadway only, there shall be no conflicting operations or parking on the opposite shoulder within 500 feet of the work area.
- A lighting plan shall be submitted to the Engineer 30 days prior to night work for approval. (See section 713.10 of the Louisiana Standard Specifications for Roads and Bridges.)
- Parking of vehicles or unattended equipment or storage of materials, within the work zone clear zone shall not be permitted unless protected by guardrail or barriers. If the work zone clear zone is not defined on the plan sheets, the Engineer shall verify.
- Immediately upon removal of existing guardrail, the contractor shall install and maintain an NCHRP Report 350 or MASH approved device to protect the blunt end of the bridge or column until new guardrail is installed. After removal of the existing guardrail, new guardrail should be installed within seven (7) days. On non-NHS routes with shoulders less than 8 feet wide: If an NCHRP 350 Report Test Level 3 or MASH device is required but the field conditions of the roadway cannot support a Test Level 3 device, then a Test Level 2 device can be substituted in its place upon approval by the Engineer. If utilized, a TMA is allowed for a maximum of 72 hours.
- All costs associated with temporary crash devices are to be included under the appropriate NS-700 pay item.
- Sight distance should be considered when placing traffic control devices.
- On all mainline Interstates, a minimum of 1.5 feet of paved shoulder on the left and right side shall be maintained at all times.
- On Interstates, a minimum of 11 foot lanes shall be maintained. On all other roadways, a 10 foot minimum travel lane should be maintained where practical.
- TTC Standards are not drawn to scale.
- The contractor shall develop an internal traffic control plan approved by the Engineer prior to each phase.
- Truck restrictions such as (but not limited to) restricting lanes, oversize loads or times of travel, may be required for narrow lanes or other field conditions.
- Temporary concrete barrier shall be placed on a paved surface. This paved surface should follow current design criteria used for paved embankment widening for guardrails.
- Flare rates for temporary concrete barriers should follow the most current guidance in the AASHTO Roadside Design Guide.

PAVEMENT MARKINGS (see AML)

- All pavement markings within the limits of the project or adjacent to the project limits that are in conflict with the project signing or the required traffic movements shall be removed from the pavement by blast cleaning or grinding. (Existing striping shall not be painted over with black paint or covered with tape.)
- If special pavement markings are needed, they shall be reflectorized, removable and accompanied by the proper signage.
- Temporary Raised Pavement Markers may be added to supplement temporary striping in areas of transition, in tapers, in diversions and in other areas of need as shown in the plans or as directed by the Engineer.
- Temporary markings installed in the permanent configuration shall comply with LADOTD pavement marking standard plans, MUTCD and/or the permanent striping plans.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

- PCMS shall be used on all Interstate Highways. PCMS shall be used on all other roadways (where space is available) with an ADT greater than 20,000.
- When used in advance of a lane closure or a lane shift, the PCMS should be placed on the right hand side of the road a minimum distance of 2 miles in advance of the taper for interstates and to be determined by the Engineer on other highways.
- For interstates and multi-lane highways, if vehicles are queuing beyond the 2 mile PCMS, an additional PCMS should be placed on the right hand side of the road approximately 5 miles in advance of the taper or at the end of the queue, whichever is greater.
- PCMS messages shall be approved by the Engineer. Messages shall be no more than 3 lines and 2 screens.
- Messages shall display only traffic operational, regulatory, warning, and guidance information. PCMS messages shall not display advertising or safety messages. Messages should only convey information concerning the problem/situation, location, and recommended driver action.
- PCMS should be placed as far from the traveled lane as possible. They shall be shielded by guardrail or barriers. If this is not possible they shall be delineated with a min. 3 drum taper spaced at 20ft with a 4th drum alongside the PCMS.
- If the PCMS encroaches on the improved shoulder then the contractor shall install a shoulder closure.
- When the PCMS is not displaying a work zone appropriate message pertaining to the ongoing construction project it shall be shielded by guard rail or barriers, or removed from the work zone clear zone.



ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SPEED LIMITS

- The Engineer may approve a 10 mph drop in the speed limit for posted speeds of 45 mph or greater and for any construction, maintenance or utility operation that requires one or more of the following:
  - (A) The condition of the traveled way is degraded due to milled surfaces or uneven travel lane lines greater than 1.5 inches.
  - (B) Work is in progress in the immediate vicinity of the travel way requiring lane closures or lane width reductions less than 11 feet.
  - (C) Workers present on the shoulder within 2 feet of the edge of the traveled way without barrier protection.
- The reduced speed zone shall only apply to those portions of the project limits affected. The Engineer may allow SPEED LIMIT WHEN FLASHING signs to supplement reduced speed zones.
- If the speed limit is reduced, speed limit signs shall be placed:
  - (A) beyond major intersections;
  - (B) at one mile intervals in rural areas;
  - (C) at half mile intervals in urban areas.
- At the end of the reduced speed zone, a speed limit sign displaying the original speed limit prior to construction shall be installed.
- For all other speed limit reductions not listed above, the Project Engineer and the DTOE shall recommend the speed reduction to the Chief Construction Engineer or his appointed designee for approval.
- If the speed limit is reduced more than 10 mph, placement of the signs shall be re-evaluated according to the MUTCD.

FLASHING ARROW BOARDS

- All Flashing Arrow Boards shall be 4 feet by 8 feet and Type C.
- Flashing Arrow Boards should be placed on the shoulder. When there is no shoulder or median area, the arrow board shall be placed within the closed lane behind the channelizing devices and as close to the beginning of the taper as practical.
- Flashing arrow boards shall be delineated with retroreflective TTC devices.
- At no time shall the arrow board encroach in the traveled way. When Flashing Arrow Board signs are not being used, they shall be shielded by guard rail or barriers, or removed.
- Arrow boards shall only be used for lane reduction tapers and shall not be used for lane shifts.

ABBREVIATIONS

AASHTO ..... American Association of State Highway and Transportation Officials
ADT ..... Average Daily Traffic
AGC ..... Associated General Contractors of America
AML ..... Approved Materials List
ANSI ..... American National Standards Institute
ATSSA ..... American Traffic Safety Services Association
B.O.P. ..... Beginning of Project
DTOE ..... District Traffic Operations Engineer
E.O.P. ..... End of Project
LADOTD ..... Louisiana Department of Transportation and Development
MASH ..... AASHTO Manual for Assessing Safety Hardware
MUTCD ..... Manual on Uniform Traffic Control Devices
NCHRP ..... National Cooperative Highway Research Program
NHS ..... National Highway System
PCMS ..... Portable Changeable Message Sign
TMA ..... Truck Mounted Attenuator
TMC ..... Traffic Management Center
TTC ..... Temporary Traffic Control
TTC Standards .. Temporary Traffic Control Standard Plans

SHEET NUMBER

DESIGN	CHECK	DRAWN	CHECK	REVIEW	SERIES #
B. BOUCHER	M. RILOVICH				

PARISH | ROUTE SECTION | STATE PROJECT

APPROVED BY CHIEF ENGINEER: Feb 7, 2025

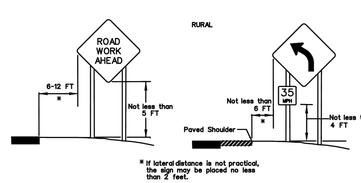
NO.	DATE	BY	REVISION
6	4-24	BRS	MINOR CORRECTIONS
5	3-24	BRS	STORAGE AREA GUIDANCE AND MINOR CORRECTIONS
4	4-24	BRS	ADDITIONAL LAYOUT AND MINOR CORRECTIONS
3	3-24	BRS	REVISIONS OF STORAGE AREAS & ADDITIONS

TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET — TTC-00 (A)

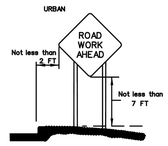
DOTD — LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT — TRAFFIC ENGINEERING

SIGNS

- All signs used for temporary traffic control shall follow the plans, the LADOTD TTC Standards and the MUTCD.
- Signs shown in the TTC illustrations are typical and may vary with each specific condition.
- One Type B High Intensity light shall be used to supplement the first sign (or pair of signs) that gives warning about a lane closure during nighttime operations (See AML).
- Mesh rollup signs shall not be allowed on any project.
- Contractor shall use caution not to damage existing signs which remain in place. Any LADOTD signs damaged by work operations shall be replaced by the contractor under item 713-01-00100.
- All signs (permanent and temporary) shall be removed or completely covered with a strong, lightweight, opaque material when no longer applicable. (Burlap is not an acceptable material to cover signs).
- At no time shall signs warning against a particular operation be left in place once the operation has been completed or where the condition has been removed.
- Warning signs used for temporary traffic controls shall meet the following guidelines unless otherwise noted in the plans:
  - (A) size shall be 48 inches by 48 inches.
  - (B) see the Louisiana Standard Specifications for Roads and Bridges and the AML for sheeting information.
  - (C) lateral distance of signs shall be a minimum of 6 feet from the edge of shoulder or edge of pavement if no shoulder exists and 2 feet from the back of curb in urban areas (see diagram).
- When portable sign frames are not in use, they shall be moved to an area inaccessible to traffic and not visible to the driver.
- Left side mounted signs will not be required for roadways with a center left turn lane and for undivided roadways.
- Vinyl rollup signs and 1 foot portable sign stands may be used if work zone is in place for 3 days or less. Signs or stands may not be used if there are more than 2 lanes in each direction and if signs do not meet all size, color, retroreflectivity and NCHRP 350 Report or MASH requirements.
- All signs shall be visible to the drivers (i.e. no obstructions such as on street parking or other traffic control devices shall block the sign).
- On divided highways, signs shall be placed on the right and the left as shown on the TTC standards.
- Sign posts:
  - -Signs measuring 10 square feet or less shall be mounted on 1 rigid post
  - -Signs over 10 square feet shall be mounted on 2 rigid posts
  - -Signs over 20 square feet shall be mounted on at least 3 rigid posts
- Rigid sign supports shall be driven to a minimum depth of 3 feet. (If splicing is required, see Allowable Lap Splice U-channel Post.)
- For sign height, see the Rural and Urban diagrams:



* If lateral distance is not practical, the sign may be placed no less than 2 feet.

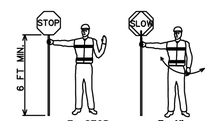


LANE CLOSURES

- All proposed lane, road or shoulder closures shall be reviewed by the DTOE and approved by the Engineer.
- Two lane, two-way highways shall have a maximum work area of two miles; all other roadways shall have a four mile maximum work area.
- A queue analysis shall be performed prior to approval of lane closures on all interstates according to Section 6A.1 of the Traffic Engineering Manual.
- Closure plans and times shall be turned in to the Engineer for review according to the following:
  - (A) 5 working days minimum if traffic control plan has been approved or is contained in the plans.
  - (B) 10 working days minimum and a traffic control plan must be submitted for lane closures not addressed in the plans.
- Weekly updates to the DTOE, Project Engineer, the LADOTD TMC operator and the regional TMC operator (if applicable) will be required for all ongoing lane closures to update the closure status.
- Daily updates to the DTOE, Project Engineer and TMC operator (if applicable) will be required for all projects where active closures are in place.

FLAGGERS

- All flaggers shall be qualified.
- The contractor shall be responsible for training or assuring that all flaggers are qualified to perform flagging duties.
- A Qualified Flagger is one that has completed courses such as those offered by ATSSA or other courses approved by the LADOTD Work Zone Task Force. The contractor shall be responsible for getting the flagger course approved.
- When utilized, a flagger shall use a minimum 18 inch octagonal shape sign on a minimum 6 foot stop/slow paddle and wear ANSI Class 2 Lime Green vest during day time operations and ANSI Class 3 Lime Green ensemble during night operations.
- In all flagging operations, the flagger must be visible from the flagger advance warning sign.
- Flaggers shall not be used on the Interstate.



To STOP Traffic | Traffic Proceed | To Alert & SLOW Traffic

Use of Hand Sign | Use of Hand Sign

PEDESTRIAN CONSIDERATIONS

- If the TTC zone affects the movement of pedestrians, adequate pedestrian access and walkways shall be provided either through the TTC zone or a designated alternate route.
- Pedestrians should be provided with a convenient and accessible path that replicates as nearly as practical the most desirable characteristics of the existing sidewalk(s) or footpath(s).
- Advance notification of sidewalk closures shall be provided by the maintaining agency.
- No storage of construction materials, equipment, and/or vehicles will be permitted on permanent or temporary bicycle, pedestrian, or transit facilities for any duration of time.

REFERENCES

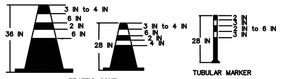
- The contractor shall be responsible for understanding all rules and requirements in the current edition of the following documents:
  1) Louisiana Standard Specifications for Roads and Bridges. http://www.dotd.la.gov/inside_LaDOTD/Divisions/Engineering/Standard_Specifications
  2) Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD). http://mutcd.fhwa.dot.gov/
  3) LADOTD Approved Materials List (AML) Manual. http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Materials_Lab/Pages/Menu_QPL.aspx
  4) LADOTD Traffic Engineering Manual http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Traffic_Engineering/Misc%20Documents/Traffic%20Engineering%20Manual.pdf
  5) National Cooperative Highway Research Program (NCHRP) Report 350: "Guidelines for Work Zones Traffic Control Devices". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_350-a.pdf
  6) NCHRP Report 475: "A Procedure for Assessing and Planning Nighttime Highway Construction and Maintenance". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_475.pdf
  7) NCHRP Report 476: "Guidelines for Design and Operation of Nighttime Traffic Control for Highway Maintenance". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_476.pdf
  8) NCHRP Report 498: "Illumination Guidelines for Nighttime Highway Work". http://onlinepubs.trb.org/Onlinepubs/nchrp/nchrp_rpt_498.pdf
  9) American Association of State Highway and Transportation Officials (AASHTO) Roadside Design Guide.
  10) American Traffic Safety Services Association (ATSSA) Quality Guidelines for Work Zone Traffic Control Devices and Features.
  11) U.S. Department of Transportation Federal Highway Administration Traffic Control Handbook for Mobile Operations at Night. http://www.dot.state.il.us/blr/1023.pdf

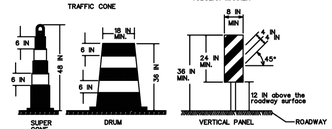
ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

FOR INFORMATIONAL PURPOSES ONLY

CHANNELIZING DEVICES

- The following devices may be used as channelizing devices: Tubular Markers, Vertical Panels, Cones, Drums and Super Cones.
- 28 inch traffic cones are not allowed on:
  1) Interstates
  2) Highways with speeds greater than 40 mph.
- During nighttime operations, 28 inch and 36 inch cones are not allowed.
- Retroreflective material pattern used on super cones shall match that used on drums.
- Tangent Areas:
  - A) Standard Spacing: See Standard Device Spacing and Buffer Space table.
  - B) Daylight Operations: Drums and super cones are spaced at standard spacing. All other devices are at ½ standard spacing.
  - C) Nighttime Operations: Drums and supercones at standard spacing are the only devices allowed.
- Taper Areas:
  - A) Standard Spacing: See Standard Device Spacing and Buffer Space table.
  - B) Daylight Operations: Drums are spaced at standard spacing. All other devices are ½ standard spacing.
  - C) Nighttime Operations: Drums (at standard spacing) are the only devices allowed.
  - D) Downstream Locations & Flaggers: Drums or supercones at 20' max spacing. The length of taper shall be between 50' - 100' with a minimum of 6 devices.
- Type C steady burn lights shall be used on all channelizing devices in the taper as well as the first two devices in the tangent at night, (see the AML).
- Typical channelizing device lateral placement (do not include when it is used as a divider for opposing directions of traffic) shall be 2 feet off the lane line in the closed lane or shoulder.
- Devices may be adjusted laterally to accomodate ongoing work in the immediate vicinity but must be returned to the closed lane after the work activity has moved.
- Channelizing devices on the lane line shall be of the same type.
- Channelizing devices in each taper shall be of the same type.

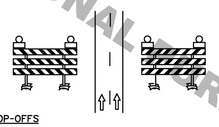




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TYPE III BARRICADES

- Only Type III Barricades shall be used in the roadway or shoulder. All barricades shall use Type 3 High Intensity Sheeting on both sides of the barricade.
- All barricades shall be a minimum of 8 feet in length and must meet NCHRP Report 350 or MASH requirements.
- When used for overnight closures, two Type B High Intensity Lights shall supplement all barricades that are placed in a closed lane or that extend across a highway. Two Type A Low Intensity Lights may be used in urban areas if approved by the Engineer (See AML).
- When signs and lights are to be mounted to a barricade, they must meet NCHRP Report 350 or MASH requirements.
- A truck with a TMA may be substituted for a barricade when workers are present.
- Barricades shall be placed:
  - (A) at the beginning of a closed lane or shoulder and at 1,000 foot intervals where no active work is ongoing and the lane must remain closed. A minimum of 2 barricades shall be placed if the lane or shoulder closure is less than 2,000 feet. (One barricade shall be placed at the beginning of the lane closure after the buffer space and one shall be placed in the middle of the lane closure.)
  - (B) before each or group of unfilled holes or holes filled with temporary material.
  - (C) before uncured concrete.
  - (D) in the closed lane on each side of every intersection and crossover. (Do not block sight distance.)
  - (E) in front of piles of material (dirt, aggregate, broken concrete), culverts and equipment which is near the work zone.



TTC for DROP-OFFS

NON-INTERSTATE

Average Drop-off	Current Posted Speed (Prior to Construction)	
	> 45 MPH	≤ 45 MPH
≤ 3 IN	Low Shoulder Sign (Optional)	Low Shoulder Sign (Optional)
> 3 IN ≤ 6 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Drop Off Sign & Channelizing Device	Shoulder Drop Off Sign
> 6 IN ≤ 10 IN	No Shoulder Sign, Edge Lines & Vertical Panel	No Shoulder Sign & Channelizing Device
> 10 IN	Concrete Barrier (if drop off is < 12 FT from edge of travel lane) & Edge Lines	No Shoulder Sign & Vertical Panel

INTERSTATE

Average Drop-off	
≤ 2 IN	Low Shoulder Sign (Optional)
> 2 IN ≤ 6 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Drop Off Sign & Channelizing Device
> 6 IN	Concrete Barrier (if drop off is < 12 FT from edge of travel lane), Shoulder Drop Off Sign, & Edge Lines

- If a portable concrete barrier will be required then the deflection shall be considered in the design.
- For Interstate ramps, refer to non-Interstate drop offs.

STANDARD DEVICE SPACING AND BUFFER SPACE

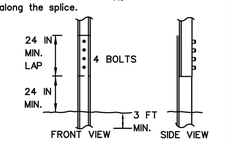
SPEED LIMIT (prior to construction)	MERGING TAPER LENGTH (L) Lane Width (FT)				STANDARD DEVICE SPACING in FEET		BUFFER SPACE
MPH	9	10	11	12	Along Edge	Along Tangent	FT
25	94	105	115	125	20	40	155
30	135	150	165	180	30	60	200
35	184	205	225	245	35	70	250
40	240	267	294	320	40	80	305
45	405	450	495	540	40	80	360
50	450	500	550	600	40	80	425
55	495	550	605	660	40	80	495
60	540	600	660	720	40	80	570
65	585	650	715	780	40	80	645
70	630	700	770	840	40	80	730
75	675	750	825	900	40	80	820

SPEED LIMIT (prior to construction)	SHIFTING TAPER LENGTH (1/2L) Lane Shift (FT)						STANDARD DEVICE SPACING in FEET		BUFFER SPACE
MPH	2	4	6	8	10	12	Along Edge	Along Tangent	FT
25	11	21	32	42	52	63	20	40	155
30	15	30	45	60	75	90	30	60	200
35	21	41	62	82	102	123	35	70	250
40	27	54	80	107	134	160	40	80	305
45	45	90	135	180	225	270	40	80	360
50	50	100	150	200	250	300	40	80	425
55	55	110	165	220	275	330	40	80	495
60	60	120	180	240	300	360	40	80	570
65	65	130	195	260	325	390	40	80	645
70	70	140	210	280	350	420	40	80	730
75	75	150	225	300	375	450	40	80	820

SPEED LIMIT (prior to construction)	SHOULDER TAPER LENGTH (1/3XL) Shoulder Width (FT)						STANDARD DEVICE SPACING in FEET		BUFFER SPACE
MPH	2	4	6	8	10	12	Along Edge	Along Tangent	FT
25	7	14	21	28	35	42	20	40	155
30	10	20	30	40	50	60	30	60	200
35	14	28	41	55	68	82	35	70	250
40	18	36	54	72	89	107	40	80	305
45	30	60	90	120	150	180	40	80	360
50	34	67	100	134	167	200	40	80	425
55	37	74	110	147	184	220	40	80	495
60	40	80	120	160	200	240	40	80	570
65	44	87	130	174	217	260	40	80	645
70	47	94	140	187	234	280	40	80	730
75	50	100	150	200	250	300	40	80	820

- See MUTCD for taper formulas.
- ALLOWABLE LAP SPLICE FOR U-CHANNEL POST

U-Channel posts may be spliced where long lengths are required. The upper section shall overlap the lower section by at least 24 inches. The bottom edge of the upper section of the splice shall be a minimum of 24 inches above the ground. The spliced sections shall be secured with at least four ⅝ inch diameter hex bolts spaced equally along the splice.



SHEET NUMBER

DESIGN	CHECK	DRAWN	CHECK	REVIEW	SERIES #
B. BOUCHER	M. RILOVICH				

PARISH | ROUTE SECTION | STATE PROJECT

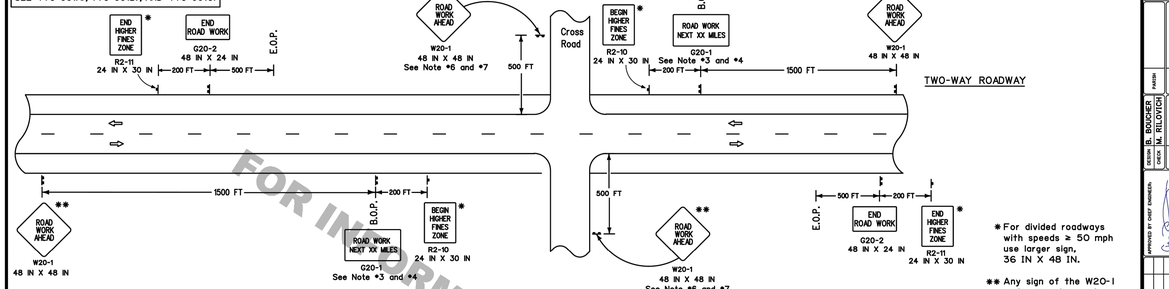
APPROVED BY CHIEF ENGINEER: Feb 7, 2025

NO.	DATE	BY	REVISION
6	4-24	BRS	MINOR CORRECTIONS
5	3-24	BRS	STORAGE AREA GUIDANCE AND MINOR CORRECTIONS
4	4-24	BRS	ADDITIONAL LAYOUT AND MINOR CORRECTIONS
3	3-24	BRS	REVISIONS OF STORAGE AREAS & ADDITIONS

TEMPORARY TRAFFIC CONTROL GENERAL NOTES SHEET — TTC-00 (C)

DOTD — LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT — TRAFFIC ENGINEERING

SEE TTC-00(A), TTC-00(B), AND TTC-00(C)



*For divided roadways with speeds ≥ 50 mph use larger sign, 36 IN X 48 IN.

** Any sign of the W20-1 series may be used.

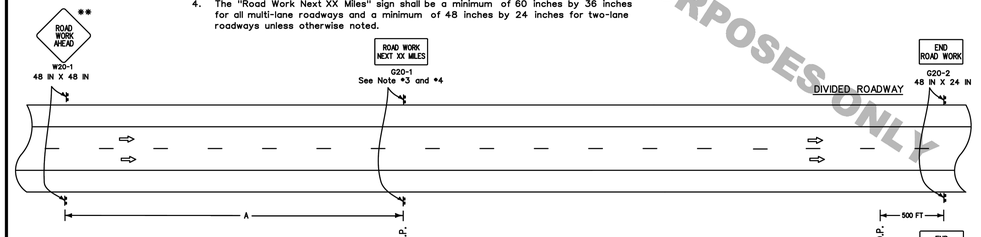
NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C), and other Temporary Traffic Control Sheets as appropriate.

1. This layout represents the minimum traffic controls required for placement of "Road Work Next XX Miles" and "End Road Work" signs.
2. This layout does not replace other TTC Standard Sheets, but is intended as a supplement to the required signing.
3. The distance on the "Road Work Next XX Miles" sign shall be rounded up to the nearest whole mile. This sign shall be placed at the Beginning of Project (B.O.P.) limits. This sign may be omitted if work zone is less than 0.5 miles.
4. The "Road Work Next XX Miles" sign shall be a minimum of 60 inches by 36 inches for all multi-lane roadways and a minimum of 48 inches by 24 inches for two-lane roadways unless otherwise noted.
5. The "End Road Work" sign shall be placed 500 feet past the End of Project (E.O.P.) limits.
6. If "Road Work Ahead" sign is used on a cross road to warn of road work on another route, then "End Road Work" sign is not required.
7. When projects are separated by less than 1 mile, they shall be signed as one project; this may require coordination.

LEGEND

- Traffic Sign
- Direction of Travel



SPEED LIMIT (prior to construction)	SPACING 'A'
≤ 40 mph	1500 FT
45 mph	2640 FT
> 45 mph	5280 FT

- Sign spacing to be adjusted for Horizontal and Vertical curves.
- For work outside of the traveled way, see TTC-01 and TTC-02.

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.
ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.
CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

SHEET NUMBER

DESIGN	CHECK	DRAWN	CHECK	REVIEW	SERIES #
B. BOUCHER	M. RILOVICH				

PARISH | ROUTE SECTION | STATE PROJECT

APPROVED BY CHIEF ENGINEER: Feb 7, 2025

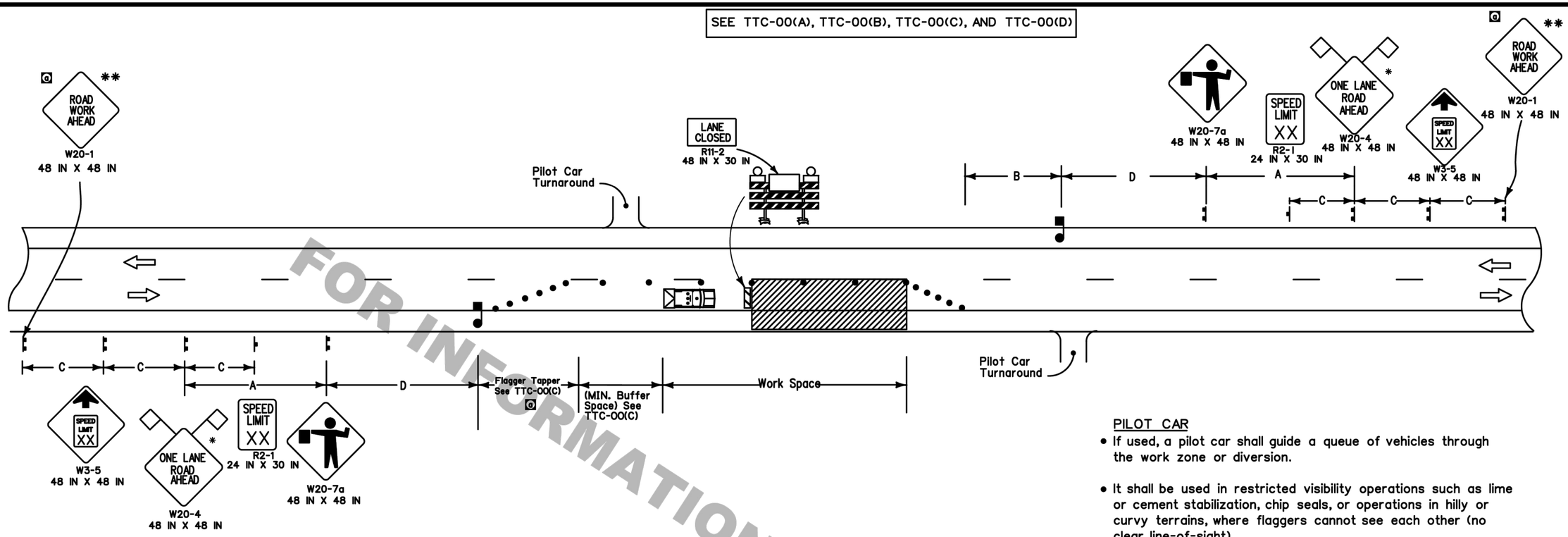
NO.	DATE	BY	REVISION
6	4-24	BRS	MINOR CORRECTIONS
5	3-24	BRS	STORAGE AREA GUIDANCE AND MINOR CORRECTIONS
4	4-24	BRS	ADDITIONAL LAYOUT AND MINOR CORRECTIONS
3	3-24	BRS	REVISIONS OF STORAGE AREAS & ADDITIONS

TEMPORARY TRAFFIC CONTROL LAYOUT FOR PLACEMENT OF ROAD WORK NEXT XX MILES AND END ROAD WORK SIGNS — TTC-00 (D)

DOTD — LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT — TRAFFIC ENGINEERING

FOR INFORMATIONAL PURPOSES ONLY

SEE TTC-00(A), TTC-00(B), TTC-00(C), AND TTC-00(D)



FOR INFORMATIONAL PURPOSES ONLY

NOTES

This sheet shall be used with the Temporary Traffic Control General Notes Sheets TTC-00(A), TTC-00(B), TTC-00(C) and TTC-00(D).

1. This layout represents the minimum traffic controls required for lane closures on two-lane roads with two-way traffic greater than 1600 feet from an intersection. For this type of closure either a flagger or a pilot car will be required. For advance signing see TTC-00(D).

2. To prevent vehicles from entering the work area against the flow of traffic, an additional flagger shall be stationed at each intersection, major driveway, railroad crossing, or crossing within the work area.

3. For projects in rural areas the distance between flaggers shall not exceed:
   (A) 2.5 miles for ADT<2,500
   (B) 2.0 miles for 2,500<ADT<5,000
   (C) 1.5 miles for ADT>5,000

4. The flagger station shall be near the beginning of the taper and shall have adequate sight distance to be visible to oncoming traffic. If sight distance cannot be achieved, the distance between flaggers may be extended for a short duration.

5. Visual or radio contact shall be required between flaggers at all times. The flagger shall be visible from the flagger sign.

Q 6. A vehicle with a flashing green/amber light and a truck mounted attenuator shall be used on all roadways with an ADT greater than 20,000 and a pre-construction speed greater than or equal to 40 mph. This vehicle shall move with work operations not to exceed the roll-ahead distance required by the manufacturer plus 100 feet.

7. If a pilot car is required then the contractor is not required to have channelizing devices in the tangent section.

8. If work zone is less than 1600 feet from an intersection see TTC-03.

SPEED LIMIT (prior to construction)	SPACING			
	'A'	'B'	'C'	'D'
≤ 40 mph	500 FT	100 FT	N/A	125 FT
45-50 mph	1000 FT	350 FT	500 FT	350 FT
≥ 55 mph	1500 FT	500 FT	800 FT	500 FT

* Any sign of the W20-4 series may be used.

Q ** For extended length projects, if the distance between the current working area and beginning of the project exceeds 2500', an additional W20-1 should be added before the W3-5 sign to remind traffic of the work area.

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CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

PILOT CAR

- If used, a pilot car shall guide a queue of vehicles through the work zone or diversion.
- It shall be used in restricted visibility operations such as lime or cement stabilization, chip seals, or operations in hilly or curvy terrains, where flaggers cannot see each other (no clear line-of-sight).
- The operation of the pilot vehicle shall be coordinated with flagging operations or other controls at each end of the one-lane section and all major driveways and street intersections.
- The pilot car sign should be mounted 7 feet above roadway in a position visible to oncoming and following traffic.
- Q The pilot car shall have an green/amber beacon light.
- The sign mounted on the vehicle shall be two-sided.

PILOT CAR
G20-4
36 IN X 18 IN
(FRONT OF SIGN)

PILOT CAR FOLLOW ME
G20-4
36 IN X 18 IN
(BACK OF SIGN)

LEGEND

- Traffic Sign
- Flagger
- Channelizing Devices
- Type III Barricades
- Work Area
- Type B Light
- Direction of Travel
- Q Truck with Green/Amber Light and TMA

SHEET NUMBER

PARISH | CONTROL SECTION | STATE PROJECT

DESIGN B. BOUCHER | DETAIL | REVIEW | SERIES #
CHECK M. RILOVICH | CHECK

APPROVED BY CHIEF ENGINEER: DATE: Feb. 7, 2025

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY
Q	4-3-24	ADD W20-1 SIGN, PROJECT LENGTH, MINOR CORRECTIONS	BRB

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TEMPORARY TRAFFIC CONTROL
LAYOUT FOR LANE CLOSURES ON TWO LANE ROADS WITH TWO-WAY TRAFFIC (FLAGGING OPERATIONS)

TTC-04

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
TRAFFIC ENGINEERING

DATUM USED
VERTICAL: NAVD88 GEOID 12B BY RTK GPS OBSERVATION

HORIZONTAL: LOUISIANA STATE PLANE (NAD83) SOUTH ZONE (1702) BY RTK GPS OBSERVATION

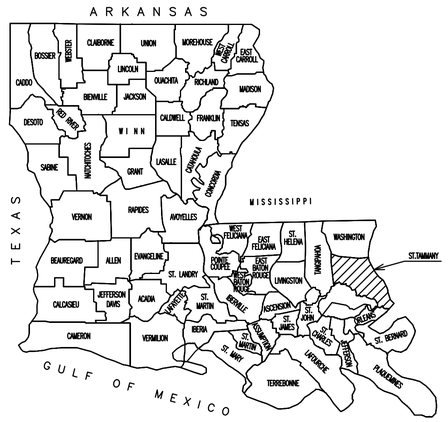
SCALES	FULL/HALF
PLAN:	1" = 40'/80'
(SHT.4–5)	

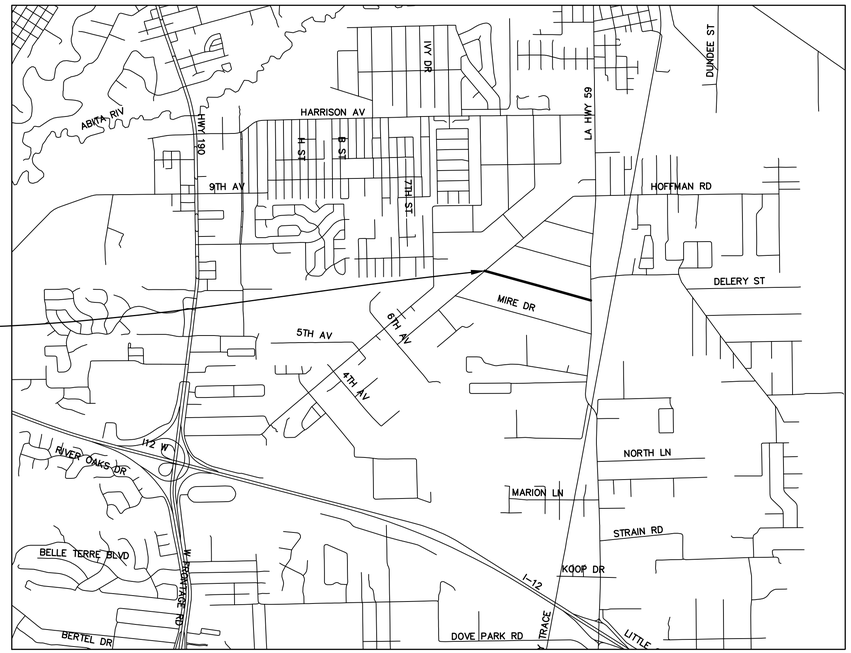
NOTE:
ALL DISTANCES AND BEARINGS SHOWN ARE BASED ON GRID COORDINATES THE APPROPRIATE SCALE FACTOR MUST BE USED TO CONVERT TO GROUND DISTANCES AND THE APPROPRIATE CONVERGENCE MUST BE USED TO CONVERT TO TRUE BEARINGS

ST. TAMMANY PARISH
DEPT. OF ENGINEERING

PLANS OF PROPOSED

DISTRICT CAPITAL IMPROVEMENTS
PARISH PROJECT NO.
EN24000002 CASRIL DR DRAINAGE





PROJECT CLASSIFICATION: HIGHWAY, STREET, & BRIDGE

PROJECT TYPE: ASPHALT CONCRETE MILL & OVERLAY, STRIPING/SIGNAGE, TRAFFIC CALMING

SHEET LIST TABLE	
1	TITLE SHEET
2	CONSTRUCTION NOTES
3a–3b	QUANTITIES
4–5	ROADWAY IMPROVEMENT PLANS
6–8	ASPHALT SPEED TABLE DETAILS

MICHAEL COOPER, PARISH PRESIDENT

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CHERYL TANNER	JEFF CORBIN
JOE IMPASTATO	JIMMY STRICKLAND

STATE OF LOUISIANA
DANIEL P. HILL
License No. 35556
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
3/13/2026

NOTE:
THE 2016 LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES AS AMENDED BY THE PROJECT SPECIFICATIONS SHALL GOVERN ON THIS PROJECT.

CASRIL DR DRAINAGE
TITLE SHEET

Rev. No	Date	Description

St. Tammany Parish
Department of Engineering
P.O. Box 628 Covington, La. 70434
Phone: (985) 898-2552
E-mail: engineering@stpgov.org

Project No.	EN24000002
Date	3/4/2026
Scale	NTS
Drawn By	MTR
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GENERAL NOTES

1. PRIOR TO BEGINNING WORK, CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN PROJECT AND CONSTRUCTION SIGNS AT NO DIRECT PAY. NUMBER OF TEMPORARY PROJECT SIGNS = 2. TEMPORARY SIGNS PAID OUT OF ITEM 713–01–00100 TEMPORARY SIGNS AND BARRICADES.

2. CONTRACTOR SHALL NOTIFY RESIDENTS NEAR CONSTRUCTION AREA A MINIMUM OF ONE WEEK PRIOR TO THE START OF CONSTRUCTION.

3. CONTRACTOR SHALL FIELD VERIFY ALL QUANTITIES AND MEASUREMENTS.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A CLEAN PROJECT SITE FREE OF DUST, DEBRIS, ETC. THROUGHOUT THE LIFE OF THE CONTRACT AT NO DIRECT PAY.

5. CONTRACTOR TO WORK NORMAL HOURS MONDAY THROUGH FRIDAY. WEEKEND WORK BY APPROVAL ONLY 48 HOURS IN ADVANCE.

6. IF ANY ADDITIONAL WORK IS PERFORMED BY THE CONTRACTOR WITHOUT PRIOR WRITTEN APPROVAL FROM ST. TAMMANY PARISH DEPARTMENT OF ENGINEERING, THE COST OF THE WORK WILL BE BORNE BY THE CONTRACTOR AND WILL NOT BE REIMBURSED BY THE PARISH.

7. ALL REQUIRED TESTING AND REPORTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY AT NO DIRECT PAY. SAMPLING AND TESTING WILL BE PERFORMED IN ACCORDANCE WITH LADOTD 2026 STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, SECTION 101 AND 106.

8. CONTRACTOR SHALL ENSURE ROADWAY AND SHOULDERS DRAIN ACCORDINGLY WITHOUT SURFACE PONDING/"BIRD BATHS" AFTER RAIN EVENTS.

9. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING JOB MIX FORMULA TO PROJECT ENGINEER OR PROJECT MANAGER PRIOR TO PRODUCTION OF THE MIX. FAILURE TO SUBMIT JOB MIX FORMULA PRIOR TO PAVING WILL RESULT IN NON–PAYMENT.

10. CONTRACTOR WILL BE ALLOWED TO RETAIN 100% OF THE RECLAIMED ASPHALTIC PAVEMENT MATERIAL (RAP) GENERATED BY THE PROJECT.

11. ASPHALT INSTALLATION SHALL OCCUR IN MULTIPLE LIFTS, MAXIMUM OF 4 INCH LIFTS.

12. ASPHALT SPEED TABLE LIMITS & LOCATIONS, STOP BAR LOCATIONS, & SPEED LIMIT SIGNAGE LOCATIONS TO BE VERIFIED BY PROJECT MANAGER, PROJECT INSPECTOR, OR PROJECT ENGINEER.

13. ALL SPEED TABLE ASPHALT, STRIPING, SIGNAGE, SAW–CUTTING & MILLING TIE–INS TO BE INCLUDED WITH PAY ITEMS ST–01 "ASPHALTIC CONCRETE SPEED TABLE".

UTILITIES

1. CONTRACTOR SHALL CALL LA ONE FOR UTILITY LOCATION PRIOR TO BEGINNING WORK AND SHALL BE RESPONSIBLE FOR EXACT LOCATIONS OF UTILITIES. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ANY UTILITIES.

2. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY EXISTING LINES IF DAMAGED.

DRAINAGE

1. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS ACHIEVED UPON COMPLETION OF THE PROJECT.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE ENTIRE CONTRACT. CONTRACTOR MAY, AT NO COST TO THE OWNER, CONSTRUCT OR INSTALL TEMPORARY DRAINAGE STRUCTURES, PUMPS, STORM DRAIN PIPES, ETC. IN ORDER TO EXPEDITE DRAINAGE THROUGHOUT THE PROJECT DURING CONSTRUCTION.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DRAINAGE SERVITUDE LOCATIONS, TO BE INCLUDED WITH PAY ITEM 740–01–00100 CONSTRUCTION LAYOUT.

SURVEY

1. PROPERTY CORNERS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY A LOUISIANA LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE AND AT NO DIRECT COST TO THE PARISH.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL HORIZONTAL AND VERTICAL CONTROLS BEFORE CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER.

TRAFFIC CONTROL

1. TRAFFIC IS TO BE MAINTAINED AT DRIVEWAYS AT ALL TIMES. THE CLOSING OF DRIVES PROVIDING ACCESS IS ALLOWED FOR A SHORT PERIOD OF TIME BUT MUST BE COORDINATED BY THE CONTRACTOR WITH THE OCCUPANT. TRAFFIC MAINTENANCE AGGREGATE SHALL BE FURNISHED AND INSTALLED TO MAINTAIN TRAFFIC, IF REQUIRED, AT NO DIRECT PAY.

2. WORK SHALL NOT BEGIN UNTIL ALL SIGNS, BARRICADES, PROJECT SIGNS, AND OTHER TRAFFIC DEVICES HAVE BEEN ERECTED AND APPROVED. CONTRACTOR SHALL MAINTAIN PROJECT AND CONSTRUCTION SIGNS.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TWO–WAY TRAFFIC THROUGHOUT THE LENGTH OF THE PROJECT AT ALL TIMES.

4. ALL EXISTING TRAFFIC CONTROL DEVICES SHALL BE PROTECTED AND IN CASES OF DAMAGE, CONTRACTOR SHALL REPLACE THE DAMAGED CONTROL DEVICES AT OWN COST.

STATE OF LOUISIANA
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IN
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3/13/2026

CASRIL DR DRAINAGE
CONSTRUCTION NOTES

Rev. No	Date	Description

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ASPHALT CONCRETE PAVEMENT								
STA		DESCRIPTION	AVG LENGTH (FT)	AVG WIDTH (FT)	AREA (SQYD)	MILLING ASPHALT PAVEMENT (2")(SQYD)	ASPHALT CONCRETE	ASPHALT DRIVES, TURNOUTS, MISC.
START	END						WEARING COURSE (2") (TONS)	
10+26	10+75	SOELL TURNOUT	49	23	125.2	125.2		13.8
10+75	45+92	CASRIL DR	3517	19.5	7620.2	7620.2	838.2	
45+92	46+23	HWY 59 TURNOUT	31	24	82.7	82.7		9.1
10+26	46+23	SPEED TABLES (6)	22	20	293.3	53.3	35.2	
SUBTOTAL						7828.1	838.2	22.9
GENERAL TOTAL						7828.1	861.1	

PAVEMENT MARKINGS						
STA		SIDE OF C/L	REFLECTORIZED RAISED PAVEMENT MARKERS	PLASTIC PAVEMENT STRIPING (4" SOLID LINE)		PLASTIC PAVEMENT STRIPING (24" SOLID LINE)
START	END		EACH	MILE		LNFT
			YELLOW/YELLOW	YELLOW	WHITE	WHITE
10+26	46+23	L/R	178	1.4	1.4	24
GENERAL TOTAL			178	2.8		24

SIGNAGE								
LOCATION	U-CHANNEL POST	SPEED TABLE POSTS	SPEED LIMIT SIGNAGE (25 MPH)	CHILDREN AT PLAY "CAP" SIGNS	STOP SIGNS	SPEED TABLE SIGNS	ADVISORY SPEED 15 MPH SIGNS	SPEED TABLE AHEAD SIGNS
	EA		EA	EA	EA	EA	EA	EA
	GENERAL SIGNAGE POSTS		TYPE A			SPEED TABLE		
CASRIL DR	4		2	2	2			
SPEED TABLES (6)		24				12	24	12
SUBTOTAL	4	24	2	2	2	12	24	12
GENERAL TOTAL	28		6			48		

*** NOTE: ALL ASPHALT SPEED TABLE QUANTITIES NOT INCLUDED IN OVERALL TOTAL OF ITEM QUANTITIES. FOR INFORMATIONAL PURPOSES ONLY. PER GENERAL NOTE 13: "ALL SPEED TABLE ASPHALT, STRIPING, SIGNAGE, SAW-CUTTING & MILLING TIE-INS TO BE INCLUDED WITH PAY ITEMS ST-01 "ASPHALTIC CONCRETE SPEED TABLE"."

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CASRIL DR DRAINAGE
QUANTITIES

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SUMMARY OF ESTIMATED QUANITITES				
PROJ. NO.	EN24000002			
PROJ. NAME	CASRIL DR DRAINAGE			
ITEM	DESCRIPTION	SUPPL. DESC.	QUANTITY	UNIT
202-02-38300	REMOVAL OF SIGN AND U-CHANNEL POSTS		1	LS
502-01-00100	ASPHALT CONCRETE		838.2	TON
502-01-00200	ASPHALT CONCRETE, DRIVES, TURNOUTS, MISC.		22.9	TON
509-01-00100	MILLING ASPHALT PAVEMENT	2" MILL	7828.1	SY
510-01-00200	PAVEMENT PATCHING	12" THICKNESS	300	SY
713-01-00100	TEMPORARY SIGNS & BARRICADES		1	LS
727-01-00100	MOBILIZATION		1	LS
729-01-00100	SIGNS (TYPE A)		4	EACH
729-01-00200	MOUNTING OF SIGNS (TYPE A)		4	EACH
731-02-00100	REFLECTORIZED RAISED PAVEMENT MARKERS		178	EACH
732-01-01080	PLASTIC PAVEMENT STRIPING (24" WIDTH) (THERMOPLASTIC 90 MIL)	SOLID	24	LNFT
732-02-02000	PLASTIC PAVEMENT STRIPING (4" WIDTH) (THERMOPLASTIC 90 MIL)	SOLID	2.8	MILE
740-01-00100	CONSTRUCTION LAYOUT		1	LS
ST-01	ASPHALTIC CONCRETE SPEED TABLE		6	EACH

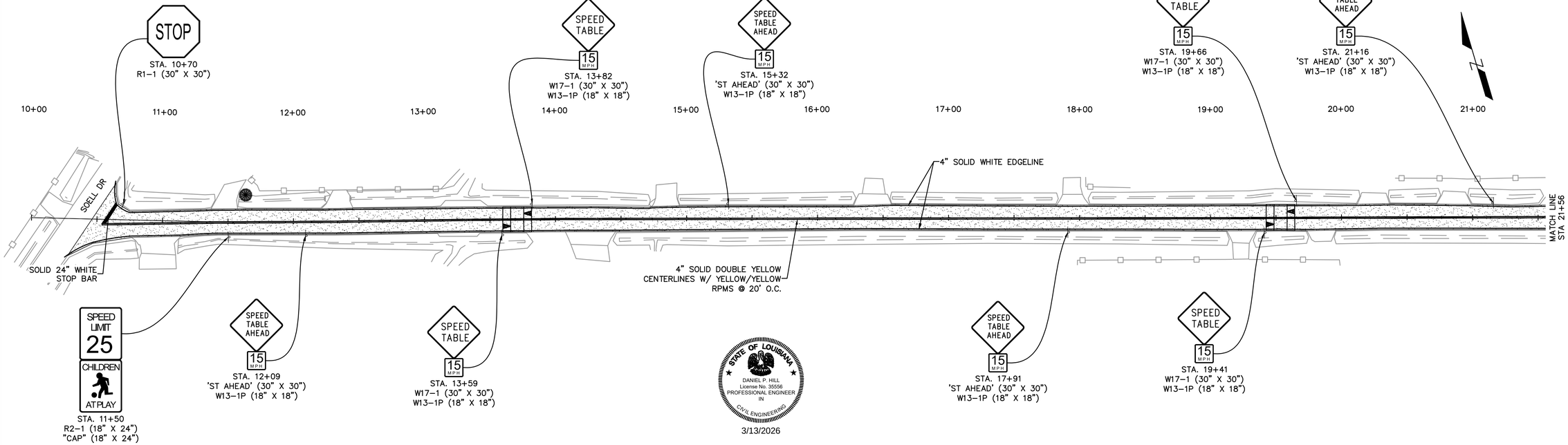
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CASRIL DR DRAINAGE
SUMMARY OF QUANTITIES

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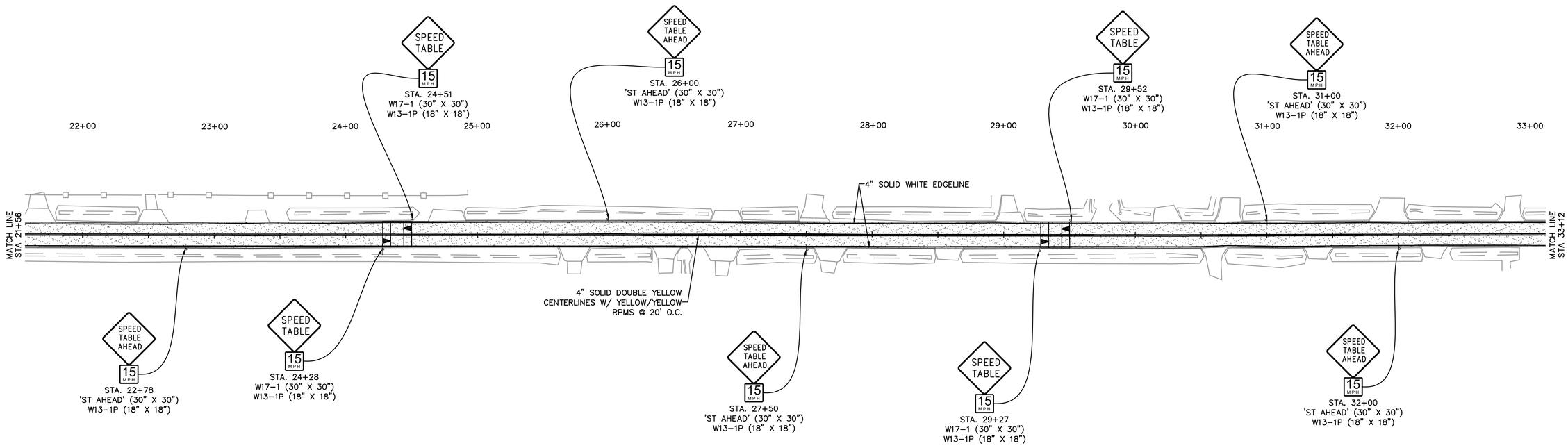
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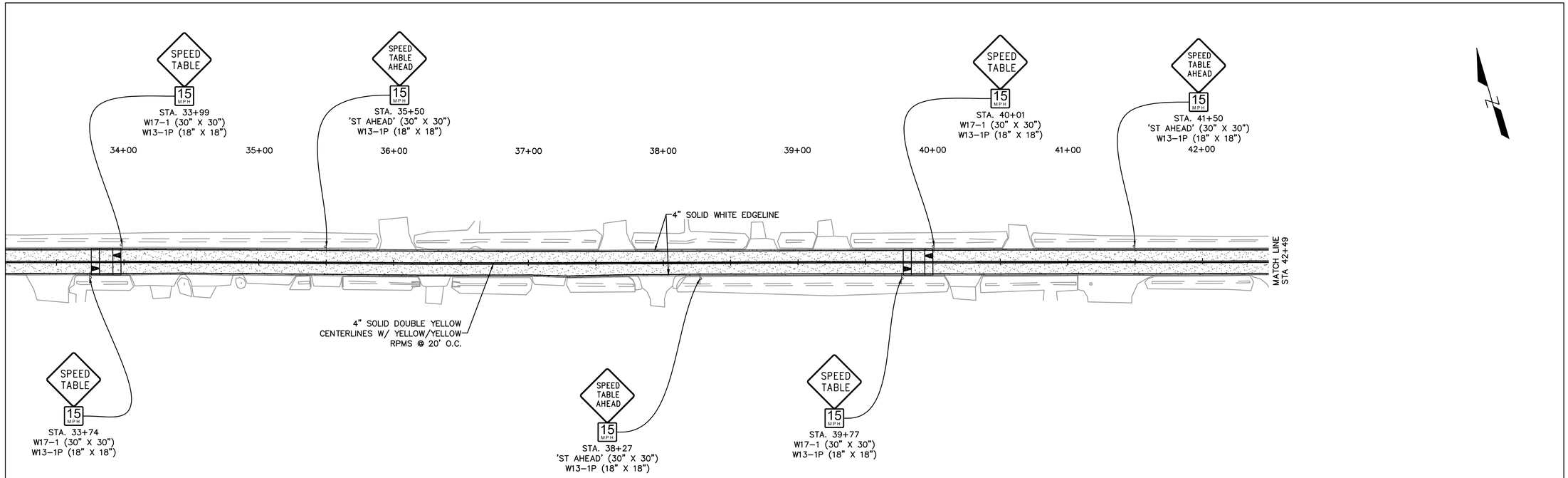
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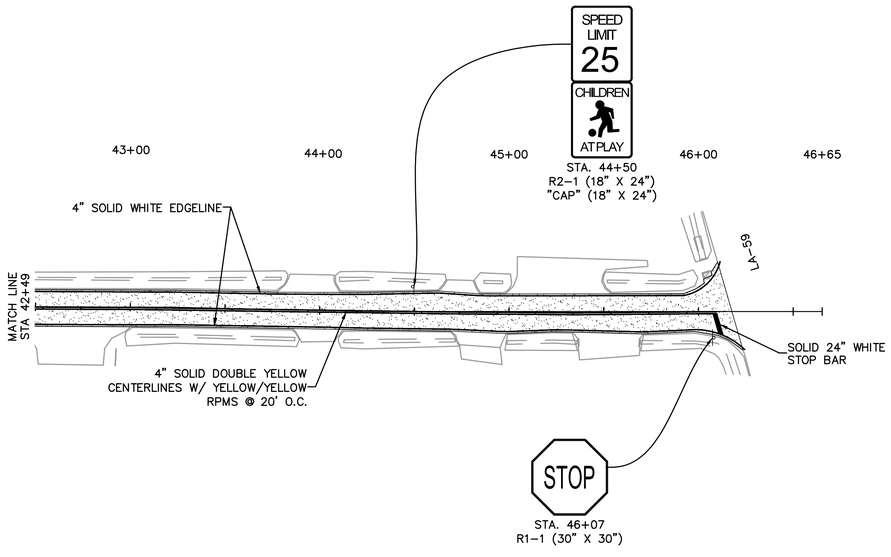
ROADWAY IMPROVEMENT PLAN

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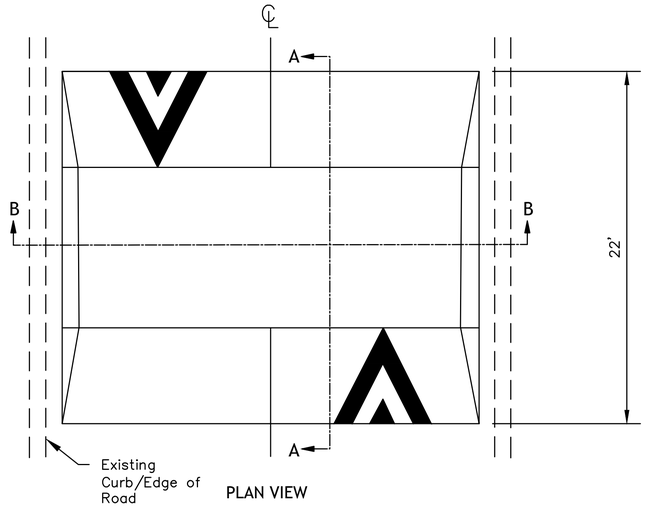
ROADWAY IMPROVEMENT PLAN

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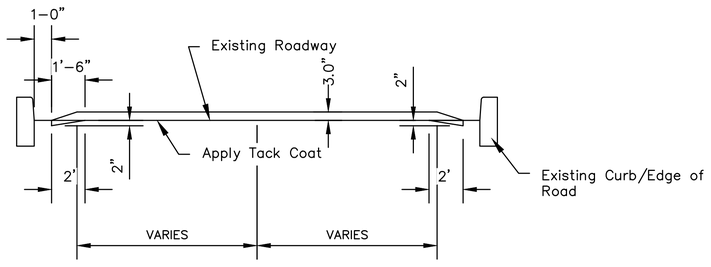
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Date	3/4/2026
Scale	1" = 40'
Drawn By	MTR
Sheet	5

ASPHALT SPEED TABLE



PLAN VIEW

SECTION A–A
1V=2H



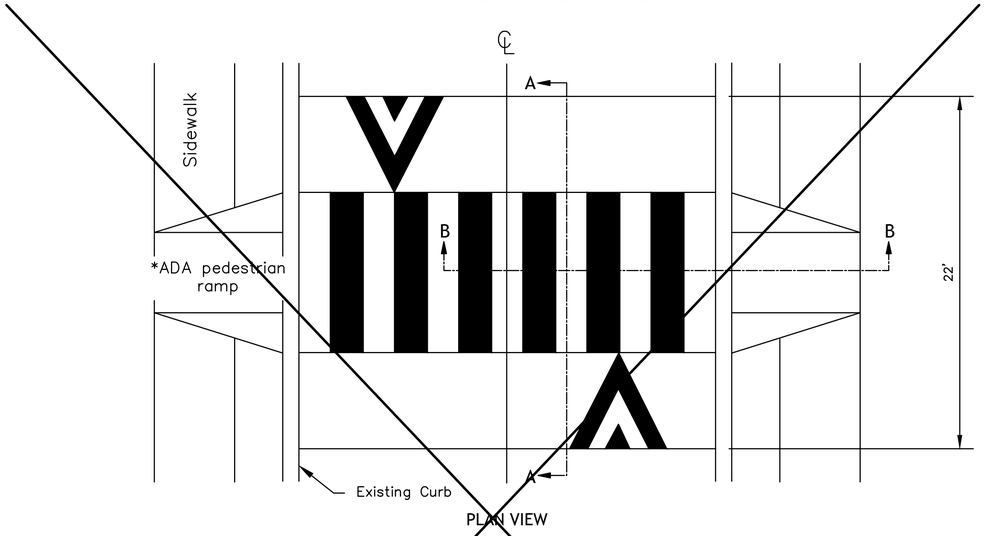
SECTION B–B
1V=2H

NOTES:

1) INLETS ARE REQUIRED ON THE UPHILL SIDE OF A SPEED TABLE/RAISED CROSSWALK.
2) ALL SIGNING AND STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE MUTCD.
3) 2" TAPER MILL ALL EDGES.

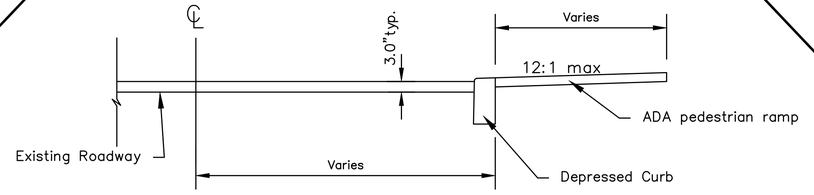
*Americans with Disabilities Act

ASPHALT RAISED CROSSWALK



PLAN VIEW

SECTION A–A
1V=2H



SECTION B–B
1V=2H



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CASRIL DR DRAINAGE

ASPHALT SPEED TABLE DETAILS

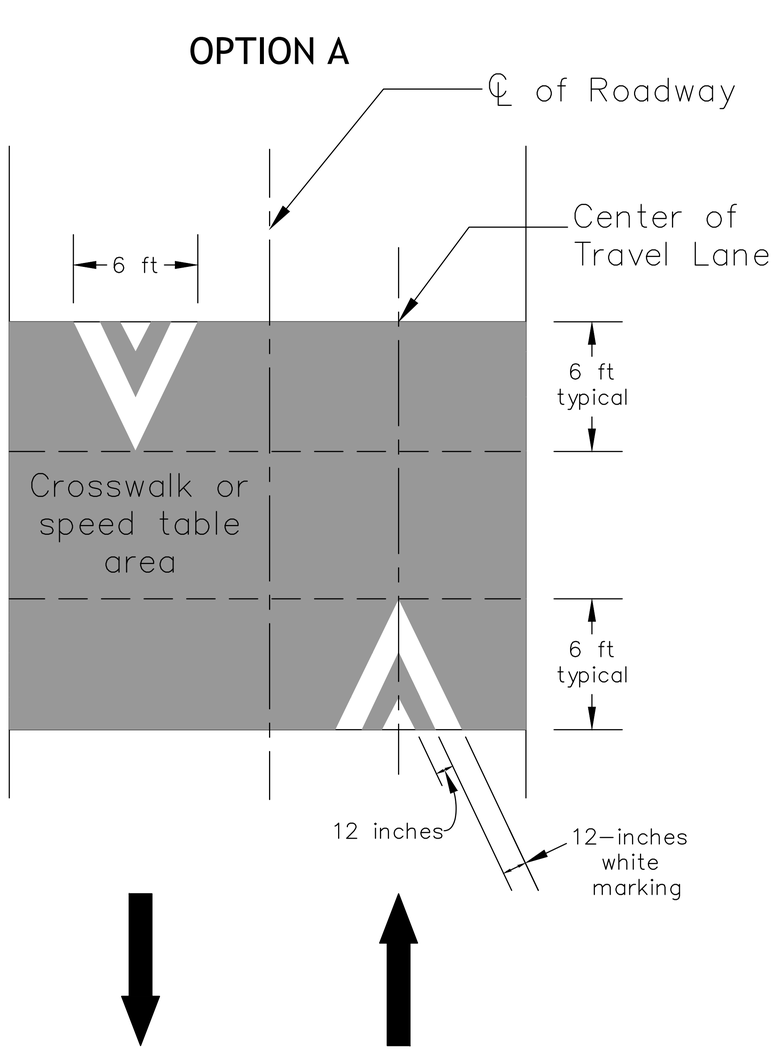
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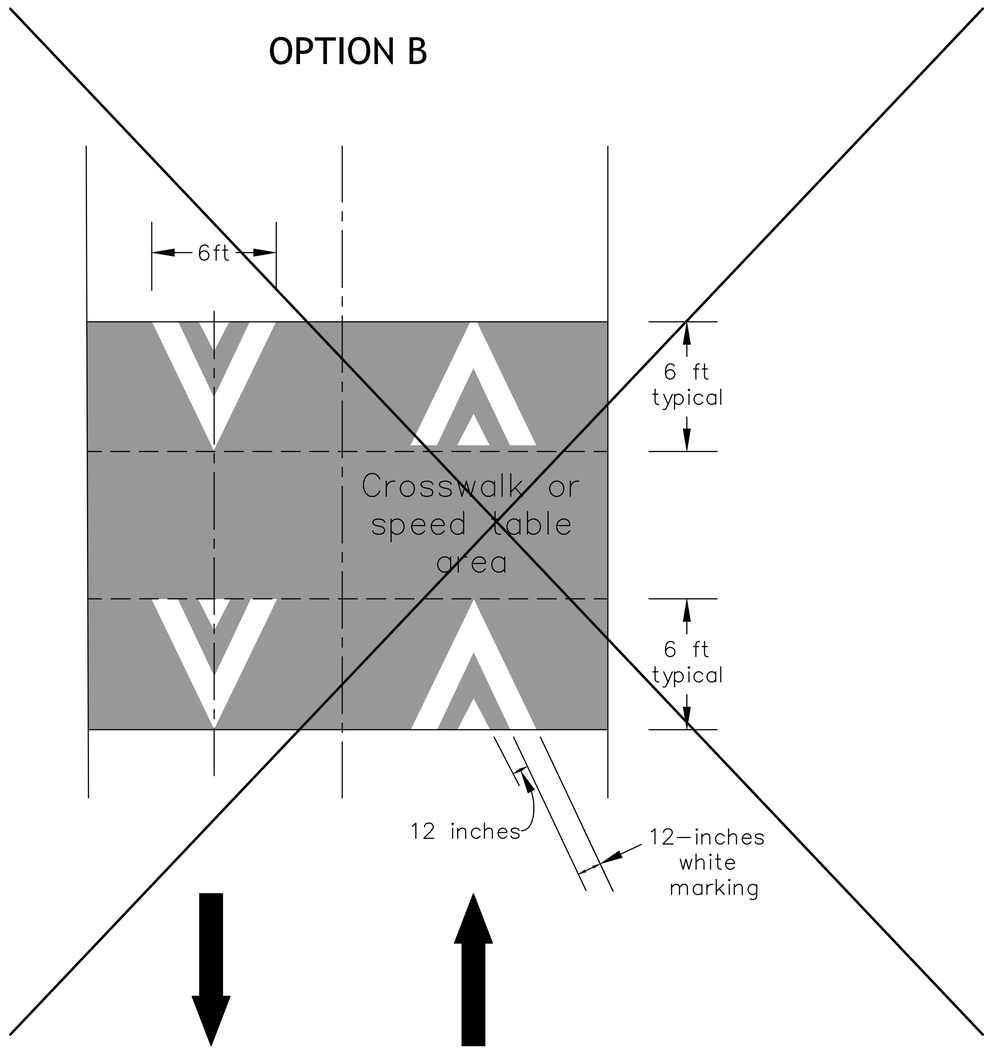
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SPEED TABLE STRIPING

OPTION A



OPTION B



NOTES:
1) CROSSWALK LINES ARE NOT SHOWN.
2) ➞ INDICATES THE DIRECTION OF TRAVEL

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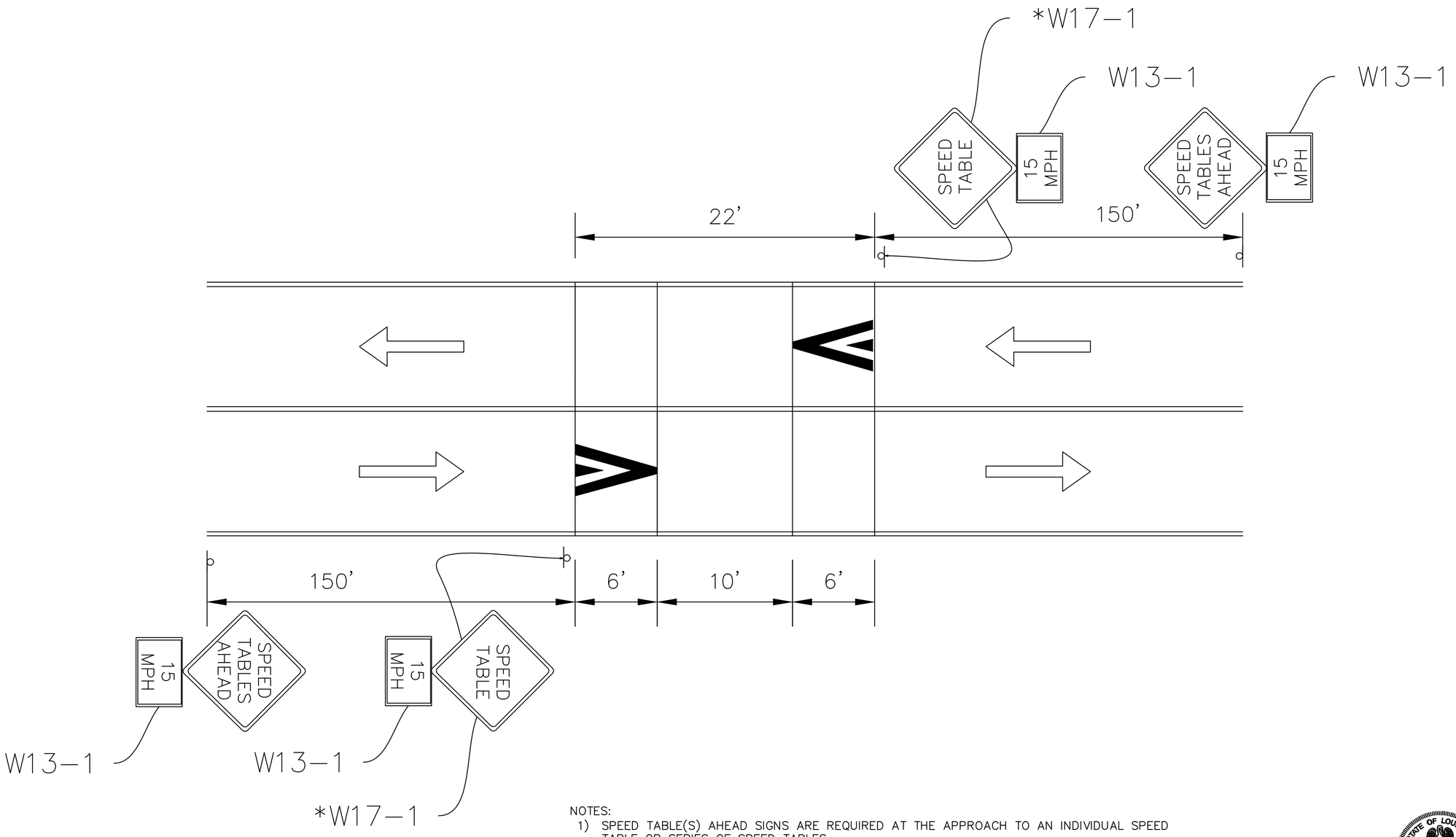
CASRIL DR DRAINAGE
ASPHALT SPEED TABLE DETAILS

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SPEED TABLE SIGNAGE



NOTES:

1) SPEED TABLE(S) AHEAD SIGNS ARE REQUIRED AT THE APPROACH TO AN INDIVIDUAL SPEED TABLE OR SERIES OF SPEED TABLES.
2) SPEED TABLE(S) AHEAD SIGNS ARE REQUIRED AT THE APPROACH TO A SPEED TABLE IF THE ROADWAY CONTAINS INTERSECTIONS OR CURVES IN ADVANCE OF THE SPEED TABLE.
3) ⟹ INDICATES THE DIRECTION OF TRAVEL.

* The minimum size required for diamond–shaped warning signs facing traffic on multi–lane conventional roads shall be 36x36 per MUTCD Section 2C.03

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ASPHALT SPEED TABLE DETAILS

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