### **JOINT APPLICATION AND NOTIFICATION**

# U.S. ARMY CORPS OF ENGINEERS MISSISSIPPI DEPARTMENT OF MARINE RESOURCES MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY/OFFICE OF POLLUTION CONTROL

is form is to be used for the erection of structures, as indicated, apply ckson Counties.	1. Date 1/27/2022 month day year			
Applicant name, mailir mber and email addres Reso, City Manager		and email address:	g address, phone number PA, Inc. Jason Chiniche PE	3. Official use only COE
Diamondhead Dr		407 Hwy 90	,	DIVIR
nondhead, MS 39525		Bay St. Louis, MS 3	39520	DEQ
222-5120 mreso@dia	mondhead.ms.gov	228 467-6755 jason		A95 DATE RECEIVED
Project location	D: 1/		D: " !	•
	u Drive Kayak Launc		nityDiamondhead	_
· -	otten Bayou		24'16.60 Longitude	
Geographic location:	Section	Township	Range C	ounty <u>Hancock</u>
Project description		V		
	New	work <u>X</u> Maintenan	ce work	
Dredging				
Channel	length	width	existing depth	proposed depth
Canal	length	width	existing depth	proposed depth
Boat Slip	length	width	existing depth	proposed depth
Marina	length	width	existing depth	proposed depth
Other-Mooring Ba				proposed depth
Cubic yards of mater	rial to be removed		_ Type of material	
Location of spoil disp	oosal area			
Dimensions of spoil	area		_ Method of excavation	
How will excavated r	naterial be contained	?		
Construction of str	uctures			
Bulkhead	Total length	Height	above water	
X Pier	length <u>37 LF</u>	width <u>8</u>	BLF	height <u>6 LF TO GROUND</u>
Boat Ramp	length	width		slope
Boat House				
attachmentOther (explain) Filling Dimensions of fill are Cubic yards of fill	ea	Type c	(Coastal area only). Explair	
Other regulated act	ivities (i.e. Seismic (	exploration, burning	or clearing of marsh) Exp	ain.

_	
6.	Additional information relating to the proposed activity
	Does project area contain any marsh vegetation? Yes No
	(If yes, explain)
	Is any portion of the activity for which authorization is sought now complete? Yes No
	(If yes, explain)
	Month and year activity took place
	If project is for maintenance work on existing structures or existing channels, describe legal authorization for the existing
	work. Provide permit number, dates or other form(s) of authorization.
	Has any agency denied approval for the activity described herein or for any activity that is directly related to the activity
	described herein?
	Yes No(If yes, explain)
	1105
7.	Project schedule
	Proposed start dateProposed completion date
	Expected completion date (or development timetable) for any projects dependent on the activity described herein.
8.	Estimated cost of the project \$35,000
9.	Describe the nurness of this project. Describe the relationship between this project and any secondary or future
Э.	Describe the purpose of this project. Describe the relationship between this project and any secondary or future development the project is designed to support. This project is to rebuild a kayak launch to replace the one which was
	destroyed by a storm. It will slope down so that the water is accessible no matter the water level. This will be a safe place for
	people to access the bayou with kayaks.
	poople to decede the bayou with hayane.
	The state of the s
	Intended use: PrivateCommercialPublic_X_Other (Explain)
	Describe the public benefits of the proposed activity and of the projects dependent on the proposed activity.
	Also describe the extent of public use of the proposed project.  This is a serene location in Diamondhead which will provide a safe and convenient outlet for an outdoor hobby.
	This is a serene location in Diamondhead which will provide a safe and convenient outlet for an outdoor hobby.

### 11. Narrative Project Description:

Install pilings as well as cut down existing pilings to create an 8'x37' sloped pier down to the water. There will be fiberglass grating for optimal traction and visibility as well as steps leading down to the pier accompanied by a metal ramp for kayak dollies. It will NOT extend out further than the previous kayak launch and should, therefore, not disturb any natural formations, wildlife, or traffic currently in the bayou.

40	Durandala Alaa manaaa an 1 - 1 laa		namento acomena. Alexa (deserte	. 41
12.	view of the drawing described			the property owners on the plan ssary.)
	1. See Attached		2.	
13	List all approvals or certificat	tions received or appli	ed for from Federal. State and	I I ocal agencies for any structures
13.				d Local agencies for any structures
13.	construction, discharges, dep 14 certifies that application h	posits or other activitie as been made to or tha	es described in this application at permits are not required fro	n. Note that the signature in Item
13.	construction, discharges, dep 14 certifies that application has permits are not required, place	oosits or other activitie as been made to or tha e N/A in the space for	es described in this application of permits are not required fro Type Approval.	on. Note that the signature in Item om the following agencies. If
13.	construction, discharges, dep 14 certifies that application has permits are not required, place Agency	posits or other activitie as been made to or tha	es described in this application at permits are not required fro	n. Note that the signature in Item
13.	construction, discharges, dep 14 certifies that application has permits are not required, place Agency Dept. of Environmental Quality	oosits or other activitie as been made to or tha e N/A in the space for	es described in this application of permits are not required fro Type Approval.	on. Note that the signature in Item om the following agencies. If
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14. Certification and signature	4.	Certificatio	n and	l signa	itures
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Application is hereby made for authorization to conduct the activities described herein. I agree to provide any additional information/data that may be necessary to provide reasonable assurance or evidence to show that the proposed project will comply with the applicable state water quality standards or other environmental protection standards both during construction and after the project is completed. I also agree to provide entry to the project site for inspectors from the environmental protection agencies for the purpose of making preliminary analyses of the site and monitoring permitted works. I certify that I am familiar with and responsible for the information contained in this application, and that to the best of my knowledge and belief, such information is true, complete and accurate. I further certify that I am the owner of the property where the proposed project is located or that I have a legal interest in the property and that I have full legal authority to seek this permit.

U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willingly falsifies, conceals, or covers up by any trick, scheme or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

#### Mississippi Coastal Program (Coastal area only)

I certify that the proposed project for which authorize	ation is sought cor	emplies with the appre	oved Mississippi C	Coastal Program
and will be conducted in a manner consistent with the	he program.			

	1/27/2022
Signature of Applicant or Agent	Date

#### 15. Fees

Payable to MS Dept. of Marine Resources \$50.00 Single-family residential application fee \$500.00 Commercial application fee Public notice fee may be required Please include appropriate fees for all projects proposed in coastal areas of Hancock, Harrison and Jackson Counties.

### 16. If project is in Hancock, Harrison or Jackson Counties, send one completed copy of this application form and appropriate fees listed in Item 15 to:

Department of Marine Resources
Bureau of Wetlands Permitting
1141 Bayview Avenue
Biloxi, MS 39530
(228) 374-5000

### If project <u>IS NOT</u> in Hancock, Harrison or Jackson Counties, send one completed copy of this application form to each agency listed below:

Director

District Engineer District Engineer Mississippi Dept. of Environmental Quality

Mobile District Vicksburg District Office of Pollution Control

Attn: CESAM-RD Regulatory Branch P.O. Box 10385
P.O. Box 2288 Attn: CEMVK-OD-F Jackson, MS 39289

Mobile, AL 36628-0001 4155 Clay Street

Vicksburg, MS 39183-3435

#### 17. In addition to the completed application form, the following attachments are required:

#### Attachment "A" Drawings

Provide a vicinity map showing the location of the proposed site along with a written description of how to reach the site from major highways or landmarks. Provide accurate drawings of the project site with proposed activities shown in detail. All drawings must be to scale or with dimensions noted on drawings and must show a plan view and cross section or elevation. Use 8 1/2 x 11" white paper or drawing sheet attached.

#### Attachment "B" Authorized Agent

If applicant desires to have an agent or consultant act in his behalf for permit coordination, a signed authorization designating said agent must be provided with the application forms. The authorized agent named may sign the application forms and the consistency statement.

#### Attachment "C" Environmental Assessment (Coastal Area Only)

Provide an appropriate report or statement assessing environmental impacts of the proposed activity and the final project dependent on it. The project's effects on the wetlands and the effects on the life dependent on them should be addressed. Also provide a complete description of any measures to be taken to reduce detrimental offsite effects to the coastal wetlands during and after the proposed activity. Alternative analysis, minimization and mitigation information may be required to complete project evaluation.

#### Attachment "D" Variance or Revisions to Mississippi Coastal Program (Coastal area only)

If the applicant is requesting a variance to the guidelines in Section 2, Part III or a revision to the Coastal Wetlands Use Plan in Section 2, Part IV of the Rules, Regulations, Guidelines and Procedures of the Mississippi Coastal Program, a request and justification must be provided.

### Attachment "A" Drawings

1 KOPPMAN KIM 10418 MALAHINI PL

Z KOPPMAN KIM 10415 MALAHINI PL

**3** WILLIAMS JANE E 897 MAILI WAY

**4** NAASSAN LLOYD C 94191 BAYOU DR

**5** CIOLINO DAVID P 94189 BAYOU DR

6 LEE BRANDON J 6061 COVINGTON ST

7 ROOFNER WILLIAM C 94186 BAYOU DR

**8** BROADNAX CHARLES 94184 BAYOU DR

MITCHELL BECKI R 1041 KOLO WAY

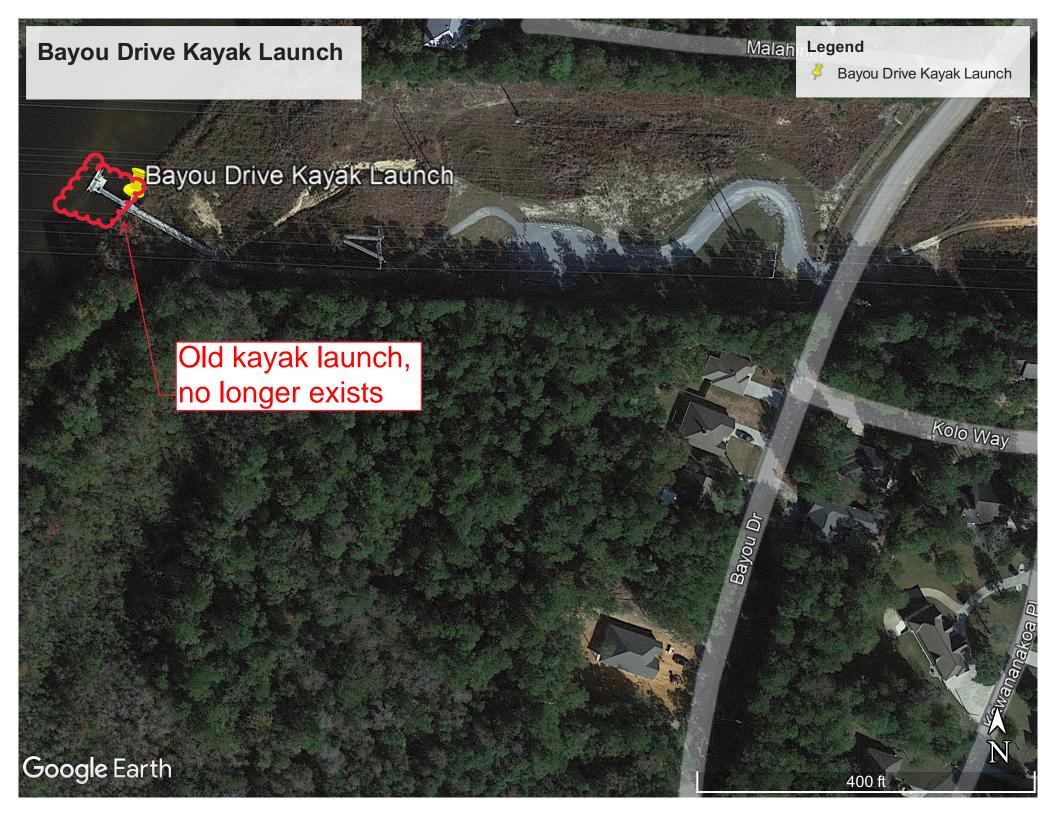
**10** WILKENS JASON 3325 WESTLANE DR



DISCLAIMER: Any user of this map product accepts its faults and assumes all responsibility for the use thereof, and further agrees to hold Hancock County harmless from and against any damage, loss or liability arising from any use of the map product. Users are cautioned to consider carefully the provisional nature of the maps and data before using it for decisions that concern personal or public safety or the conduct of business that involves monetary or operational consequences. Conclusions drawn from, or actions undertaken, on the basis of such maps and data, are the sole responsibility of the user.

January 27, 2022

1 inch = 199 feet 0 100 200 300 400





Mississippi Department of Marine Resources 1141 Bayview Ave, Biloxi, MS 39530

#### Get on I-110 N/MS-15 N

3 min (1.1 m  1. Head east on Bayview Ave toward Forrest Ave	1.	<b>↑</b>
0.7 n  2. Turn right to merge onto I-110 N/MS-15 N towar		
I-10 0.4 n		

## Take I-10 W to Gex Dr in Diamondhead. Take exit 16 from I-10 W $\,$

*	3.	30 min Merge onto I-110 N/MS-15 N	(33.3 mi)
r	4.	Take exit 4C to merge onto I-10 W toward Orleans	2.9 mi I New
r	5.	Take exit 16 toward Diamondhead	30.0 mi
			— 0.3 mi

#### Drive to Bayou Dr

_		9 min (:	2.9 mi)
*		Merge onto Gex Dr Pass by Dairy Queen Grill & Chill (on the left)	
Φ	7.	At the traffic circle, take the 2nd exit onto Diamondhead Dr N	0.5 mi
$\rightarrow$	8.	Turn right onto Analii St	0.4 mi
$\rightarrow$	9.	Turn right onto Diamondhead Dr N	0.4 mi
$\leftarrow$	10.	Turn left onto Bayou Dr	0.5 mi

#### Note:

The entrance to the Kayak Launch will be on Bayou Drive, in between Kolo Way and Malahini Place. There will be a sign indicating the entrance.

#### Bayou Dr

Diamondhead, MS 39525

# KAYAK LAUNCH IMPROVEMENTS BAYOU DRIVE DIAMONDHEAD, MS 39525

HANCOCK COUNTY, MISSISSIPPI

JANUARY, 2022



MUNICIPAL OFFICIALS

DENOTES PROJECT LOCATION

LOCATION MAP

THOMAS E. SCHAFER IV

CITY MANAGER:

COUNCIL MEMBERS: LINDSAY L'ECUYER

NANCY DEPREO

ALAN MORAN

JAMIE WETZEL MORGAN KODIE KOENENN

# **DETAILED INDEX**

DESCRIPTION OF SHEET	SHEET DESIGNATION	SHEET NUMBEI
COVER SHEET	GN-01	1
GENERAL NOTES	GN-02	2
SITE PLAN AND DETAILS	C-100	3
TOP AND SIDE VIEWS	C-200	4

PRELIMINARY FOR REVIEW!

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-	ı		1		
MARK	DATE		DESCRIPTION		
ISSUE:					
PROJECT	PROJECT NO:		57		
DATE:	DATE:		5/2022		
DRAWN	BY:	JN			

SHEET DESIGNATION

GN-01

JASON P. CHINICHE, P.E. MISSISSIPPI LICENSE NO. 19732

# GENERAL NOTES

### GENERAL NOTES

- CONTRACTOR SHALL ADHERE TO ALL REGULATORY PERMITTING REQUIREMENTS.
- 2. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH APPROVED ENVIRONMENTAL PERMITS, US COAST GUARD, AND US COE REQUIREMENTS.
- 3. FOR DRIVEWAYS REQUIRING PAVEMENT REMOVAL, CONTRACTOR SHALL PLAN TO REMOVE PAVEMENT TO THE APPARENT RIGHT-OF-WAY AS SHOWN ON THE PLANS. IF AN EXISTING JOINT PROVIDES FOR A CLEANER CUT AND IS WITHIN THE RIGHT-OF-WAY, THE CONTRACTOR IS ALLOWED TO USE THIS JOINT AS A LIMIT FOR REMOVAL. IF PRE-APPROVED BY THE ENGINEER.
- 4. CONTRACTOR IS REQUIRED TO SAWCUT JAGGED EDGES OF ASPHALT PAVEMENT AND REPLACE WITH ASPHALT PATCH (INCLUDING STRIPING) TO PROVIDE A SMOOTH EDGE TO INSTALL ADJACENT SIDEWALK.
- 5. CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS AND BUSINESS OWNERS PRIOR TO DISRUPTING OR INHIBITING ACCESS TO HOMEOWNER'S PROPERTY DUE TO CONSTRUCTION ACTIVITIES.
- 6. CONTRACTOR SHALL CONNECT ALL NEW HDPE DRAIN PIPES TO EXISTING CULVERTS.

LOCATES AND PHYSICALLY LOCATE AND VISUALLY VERIFY LOCATIONS OF ALL UTILITIES.

- 7. THERE WILL BE NO SEPARATE PAYMENT FOR STRUCTURAL EXCAVATION.
- 8. CONTRACTOR SHALL ABSORB COST OF TREE AND ROOT TRIMMING IN COST OF SIDEWALK. ANY TREES/ BUSHES OR PLANTS THAT SUSTAIN DAMAGE DUE TO CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- 9. ALL ELEMENTS OF CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2017 EDITION, UNLESS NOTED OTHERWISE, AND SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- 10. CONTRACTOR SHALL DISPOSE OF ALL MISCELLANEOUS TRASH & DEBRIS FROM ALL AREAS WITHIN THE LIMITS OF WORK IN AN OFF-SITE LOCATION. ALL SUCH WORK AND DISPOSAL SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- 11. WHEN ANY SERVICES OR MATERIALS ARE REQUIRED TO COMPLETE THE PROJECT AND DO NOT HAVE A SEPARATE PAY ITEM LISTED, THE CONTRACTOR SHALL ACCEPT AND ABSORB ANY AND ALL COSTS INVOLVED TO COMPLETE THE PROJECT.
- 12. EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CAN NOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST CALL IN MS811 UTILITY
- 13. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF
- 14. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, BRIDGES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHOULD BE EXERCISED IN THE UNDERCUT AREA AND THE UNDERCUT DEPTH MAY BE ADJUSTED AT CROSS DRAINS, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BRACING, SHORING, OR ANY GROUND SUPPORT SYSTEM REQUIRED TO PREVENT A FAILURE FROM OCCURRING DURING EXCAVATION. ALL COST FOR ANY PROTECTIVE MEASURES, INCLUDING THE MATERIALS AND LABOR FOR DESIGNING AND CONSTRUCTING THE FACILITY. SHALL BE ABSORBED IN THE APPLICABLE PAY ITEMS
- 16. THE CONTRACTOR SHALL RELOCATE ANY MAILBOXES NECESSARY TO COMPLETE THIS WORK. REMOVAL, STORAGE AND REPLACEMENT OF BOXES SHALL BE ABSORBED IN THE PRICE BID FOR REMOVAL OF OBSTRUCTIONS AND SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES & REQUIREMENTS.
- 17. CONTRACTOR SHALL NOT DEVIATE FROM SUBMITTED CONSTRUCTION SCHEDULE WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER.
- 18. PAY ITEM 202-A, "REMOVAL OF OBSTRUCTIONS," LUMP SUM SHALL INCLUDE THE REMOVAL OF ANY STRUCTURES AND OBSTRUCTION ENCOUNTERED ABOVE AND BELOW GRADE WHICH INTERFERE WITH THE CONSTRUCTION AS DIRECTED BY THE ENGINEER.
- 19. PAY ITEM 202-B, "REMOVAL OF PIPE 8" AND ABOVE," SHALL INCLUDE ALL ASSOCIATED COSTS OF THE PIPE REMOVAL, INCLUDING BUT NOT LIMITED TO, THE REMOVAL OF THE PIPE, END SECTIONS, FITTING, COLLARS, CONNECTORS, AND BACKFILL/COMPACTION OF THE VOID LEFT FROM THE REMOVAL.
- 20. IF IT IS NECESSARY TO HOLD ANY UTILITY POLES, THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY. ANY FEE OR CHARGE FOR THIS SERVICE SHALL BE COST ABSORBED BY THE CONTRACTOR.
- 21. CONTRACTOR SHALL ADHERE TO PRE-APPROVED MDOT SAMPLING AND TESTING PROPOSAL FOR TESTING INTERVALS. ANY DEVIATION FROM THE APPROVED PROPOSAL WHICH INCURS ADDITIONAL COST, SHALL BE PAID FOR BY CONTRACTOR.
- 22. ANY DEVIATION FROM CONTRACT DOCUMENTS WITHOUT PRIOR APPROVAL BY ENGINEER/OWNER, CONTRACTOR SHALL ASSUME ALL COSTS
- ASSOCIATED WITH DEVIATION. 23. GUARDRAIL TO BE ABSORBED IN OTHER PAY ITEMS.
- 24. BID PRICES SHALL INCLUDE SALES TAXES AND OTHER APPLICABLE TAXES AND FEES. QUANTITIES ARE ESTIMATED AND THERE SHALL BE NO INCREASE IN UNIT PRICE COST TO THE OWNER SHOULD AN INCREASE OR DECREASE IN QUANTITIES BE REQUIRED.
- 26. CONTRACTOR SHALL PROVIDE PRE AND POST CONSTRUCTION VIDEO OF ENTIRE JOB SITE. TO ENGINEER PRIOR TO WORK COMMENCING AND PRIOR TO FINAL PAYMENT. COORDINATE WITH ENGINEER ON VIDEO FORMAT
- 27. CONTRACTOR SHALL COORDINATE WITH CITY PERSONNEL ON ALL LOCAL EVENTS AND SHALL ADJUST SCHEDULE TO PROHIBIT INTERFERENCE DURING
- 28. ALL LOAD TICKETS/ DELIVERY TICKETS SHALL BE SIGNED BY CONTRACTOR AND INSPECTOR. NO DELIVERIES SHALL BE MADE WITHOUT PRIOR (24 HOUR)
- 29. CONTRACTOR IS REQUIRED TO COORDINATE WITH THE CITY OF BAY SAINT LOUIS REGARDING PERMITTING INSPECTIONS AND APPROVED HAUL ROUTES.
- 30. 48 HOUR NOTICE IS REQUIRED FOR ALL TESTING. CONTRACTOR SHALL PROVIDE ALL TESTING FROM A PRE-APPROVED TESTING LAB AND SHALL HANDLE ALL COORDINATION WITH TESTING LAB BOTH EMERGENCY AND NON-EMERGENCY TESTING.
- 31. CONTRACTOR SHALL INSTALL REGULATED RAIN GAGE ON JOB SITE AND SHALL ALLOW ENGINEER ACCESS FOR MONITORING AT ALL TIMES.
- 32. ALL NEW WATER OR SEWER SERVICES SHALL REQUIRE CONTRACTOR TO VERIFY WITH CURRENT HOMEOWNER FOR PREFERRED LOCATION OF SERVICE
- PRIOR TO COMMENCEMENT OF WORK. 33. CONTRACTOR SHALL VERIFY LOCATION OF ROW. ALL WORK SHALL BE PERFORMED WITHIN THE ROW UNLESS OTHERWISE NOTED IN THE PLANS.
- 34. IF WORK IS REQUIRED ON PRIVATE PROPERTY, THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER FOR ACCESS PRIOR TO
- COMMENCING WORK AND SHALL PROVIDE WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER TO THE ENGINEER FOR REVIEW.
- 35 CONTRACTOR SHALL GIVE PRIOR NOTICE TO THE RPR (MIN 24 HOURS) BEFORE ANY NEWLY INSTALLED OR EXPOSED ITEMS ARE BACKELLED. COMPACTED, OR COVERED. FAILURE TO COMMUNICATE WITH THE RPR SHALL RESULT IN CONTRACTOR LIABILITY FOR ALL COSTS ASSOCIATED WITH
- 36. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL LANE AND ROAD CLOSURES WITH THE OWNER 48 HOURS PRIOR TO CLOSING.
- 37. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ENGINEER WITH A 48 HOUR NOTICE PRIOR TO CONDUCTING ALL HOLIDAY AND WEEKEND WORK.
- 38. CONTRACTOR REQUIRED TO VERIFY FIELD MEASUREMENTS AND MAKE ADJUSTMENTS PRIOR TO COMMENCEMENT OF FABRICATIONS AND COORDINATE ADJUSTMENTS WITH ENGINEER.
- 39. CONTRACTOR SHALL REPAIR ALL PROPERTY TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
- 40. ALL RAISED ROADSIDE APPURTENANCES TO BE PLACED A MINIMUM OF 2' BEHIND FACE OF CURB UNLESS OTHERWISE SPECIFIED ON PLANS.

### **ROADWAY & CONCRETE WORK**

- 1. FOR DRIVEWAYS REQUIRING PAVEMENT REMOVAL, CONTRACTOR SHALL PLAN TO REMOVE PAVEMENT TO THE APPARENT RIGHT-OF-WAY.
- 2. BASE AND PAVEMENT FOR STREET INTERSECTION AND LOCAL ROAD TURNOUTS SHALL MATCH THE PROPOSED ROADWAY. SEE TRANSITION DETAIL.
- 2. WHERE MILLING OF THE ROADWAY IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER ON THE MILLED SURFACE. ANY ASSOCIATED COST SHALL BE ABSORBED IN MILLING.
- 3. CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT AT CONNECTIONS TO EXISTING PAVEMENT. CONTRACTOR SHALL HAVE SMOOTH TRANSITION FROM PAVEMENT TO UTILITIES.
- 4. ALL RADII ARE TO BE FIELD DETERMINED. RADII SHOWN ON THE PLANS ARE APPROXIMATE.
- 7. ALL CONCRETE SHALL BE CLASS "B", 3500 PSI UNLESS OTHERWISE NOTED. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4". MATERIALS, PLACEMENT, AND CURING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE
- 8. EXPANSION JOINTS & SEALANT SHALL CONFORM TO MDOT SPECIFICATIONS. IN LOCATIONS WHERE NEW CONCRETE IS CAST AGAINST EXISTING CONCRETE OF MORE THAN 28 DAYS OF AGE, AN EXPANSION JOINT IS REQUIRED.

### EARTHWORK

- 1. VOIDS CREATED BY THE REMOVAL OF POSTS, CONCRETE ANCHORS, FOOTINGS, ETC. SHALL BE BACKFILLED AND TAMPED IN
- EXCAVATION FOR STRUCTURES SHALL BE ABSORBED IN THE APPLICABLE PAY ITEM.
- 3. 30% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
- 5. PAY ITEM 203-A, "UNCLASSIFIED EXCAVATION PER CUBIC YARD" SHALL CONSIST OF EXCAVATED MATERIALS THAT ARE SUITABLE FOR PLACEMENT IN OTHER FURNISHED PORTIONS OF THE PROJECT. PAYMENT FOR UNCLASSIFIED EXCAVATION SHALL INCLUDE THE EXCAVATION OF THE MATERIAL AND THE PROPER PLACEMENT OF THE MATERIAL. MATERIALS SUITABLE FOR PLACEMENT IN OTHER AREAS OF THE PROJECT SHALL BE STOCKPILED UNTIL THE MATERIAL IS NEEDED. SUITABLE MATERIALS THAT CAN BE USED IN OTHER AREAS OF THE PROJECT WILL NOT BE REMOVED AS EXCESS EXCAVATION. BORROW EXCAVATION WILL NOT BE ACCEPTED WHEN SUITABLE UNCLASSIFIED EXCAVATION IS AVAILABLE.
- 6. TOPSOIL STRIPPING, STOCKPILING, AND PLACING WILL BE PAID UNDER UNCLASSIFIED EXCAVATION AT THE TIME OF PLACEMENT.

4. VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. COST TO BE ABSORBED IN OTHER ITEMS.

- 7. PAY ITEM 203-G, "EXCESS EXCAVATION PER CUBIC YARD" SHALL BE PAID FOR EXCAVATED MATERIAL THAT IS NOT SUITABLE FOR REUSE ON THE PROJECT SITE AND MUST BE REMOVED FROM THE PROJECT SITE. UNDERCUT AND EXCAVATION AT OR BELOW THE PLANNED EXCAVATION LIMIT THAT ARE UNSUITABLE FOR PLACEMENT WITHIN THE PROJECT SITE SHALL ALSO BE MEASURED AND PAID FOR AS EXCESS EXCAVATION.
- 8. WHERE DIRECTED TO PLACE RIP-RAP, THE RIP-RAP SHALL BE PLACED 18" DEEP AND THE TOP OF THE RIP-RAP SHALL BE FLUSH WITH THE SURROUNDING GRADE LEVEL. ALL COST ASSOCIATED WITH THE INSTALLATION OF THE RIP-RAP INCLUDING EXCAVATION AND BACKFILL SHALL BE INCLUDED IN THE UNIT
- 9. BACK OF CURBS SHALL BE BACKFILLED TO TOP OF CURB ELEVATIONS.
- 10. CONTRACTOR REQUIRED TO SEPARATE AND STOCKPILE RE-USABLE MATERIAL

### DRAINAGE & UTILITIES

- 1. TOE WALLS ARE REQUIRED AT ALL UPSTREAM AND DOWNSTREAM FLARED END SECTIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 2. ALL PIPE JOINTS ARE TO BE WRAPPED IN TYPE V GEOTEXTILE FABRIC, 36" WIDTH. THE COST OF THE FABRIC SHALL BE ABSORBED IN THE UNIT PRICE BID
- 3. FLARED END SECTIONS (ALL SIZES) MAY BE FURNISHED WITH EITHER BELL & SPIGOT OR TONGUE & GROOVE JOINTS. PAYMENT SHALL BE MADE UNDER PAY ITEM ASSOCIATED W/PIPE SIZE.
- 4. EXISTING UTILITY APPURTENANCES SHALL BE ADJUSTED TO FINISHED GRADE IN ROADWAY AREAS OR ABOVE FINISHED GRADE OUTSIDE ROADWAY AREAS AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE MADE UNDER THE APPLICABLE UTILITY ADJUSTMENT PAY ITEM AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NEEDED TO COMPLETE THE ADJUSTMENT.
- 5. PRIVATE UTILITY APPURTENANCE ADJUSTMENTS WILL BE DONE BY OTHERS. CONTRACTOR SHALL COORDINATE ADJUSTMENTS WITH THE PRIVATE UTILITY COMPANIES.
- 6. AT ALL LOCATIONS WHERE PIPE AND/OR FITTINGS COME IN CONTACT WITH CONCRETE, THE TWO MATERIALS SHALL BE SEPARATED BY 1/8" SHEET
- 7. EXISTING SANITARY SEWER MANHOLE TOPS, WATER VALVES/BOXES, METERS, OR OTHER RELATED APPURTENANCES SHALL BE ADJUSTED TO FINISH GRADE BY CONTRACTOR. PAYMENT PER APPURTENANCE SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIAL NEEDED FOR THE ADJUSTMENT.
- 8. ALL VARIES DIMENSIONS DEPEND DIRECTLY ON PIPE SIZE, THICKNESS AND DEPTH OF PIPE.
- 9. PIPE LENGTHS ARE MEASURED FROM INSIDE FACE OF BOX TO INSIDE FACE OF BOX.
- 10. ALL PIPES SHALL BE FLUSH WITH THE INTERIOR FACE OF THE BOX.
- 11. CONTRACTOR SHALL RECORD VIDEO ALL NEW STORM DRAIN LINES 42" AND SMALLER AND ALL NEW ARCH STORM DRAIN LINES 65"X40" AND SMALLER."IF REQUIRED BY THE ENGINEER." ALL PIPES SHALL BE FLUSHED CLEAN OF DEBRIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH VIDEOTAPING. ADDITIONAL VIDEO COVERAGE OF SUSPECT DISCREPANT AREAS SHALL BE PROVIDED THROUGH THE USE OF ROTATING CAMERA. DISCREPANCIES INCLUDE BUT ARE NOT LIMITED TO: PIPE JOINT SEPARATIONS OR ROLLED GASKETS, CRACKS OR BREAKS IN THE WALL OF THE PIPE, DEFORMATION OF THE PIPE WALL, PENETRATION OF THE WALL BY VEGETATION OF FOREIGN OBJECTS. OR EXCESSIVE DEBRIS. CONTRACTOR SHALL PROVIDE COLOR VIDEO INCLUDING LOCATION, DATE AND TIME, REFERENCE END POINTS OF PIPE INSPECTED AS IDENTIFIED ON DRAWINGS, NOTING THE DIRECTION OF INSPECTION. CONTRACTOR SHALL PROVIDE A WRITTEN REPORT IDENTIFYING LOCATION, LENGTH, SIZE OF ALL PIPE INSPECTED. THE REPORT SHALL IDENTIFY ALL AREAS WHERE THE INTEGRITY OF THE PIPE SYSTEM IS SUSPECT.
- 12. PICK-UP HOLES WILL NOT BE ALLOWED IN ANY PIPE. CONTRACTOR SHALL POUR CONCRETE INVERTS IN ALL DRAINAGE STRUCTURES AS DIRECTED BY THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE. (COST ABSORBED IN 907-601-A, CLASS B STRUCTURAL CONCRETE.
- 13. NO IMPROVEMENT SHALL INTERFERE OR BLOCK DRAINAGE.
- 14. EXISTING FIRE HYDRANTS SHALL BE ADJUSTED AS REQUIRED TO PROVIDE 18" OF CLEARANCE BETWEEN THE NEW GRADE LEVEL AND THE BOTTOM OF THE PUMPER NOZZLE. ADJUSTMENT OR RELOCATION OF FIRE HYDRANTS SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NEEDED AND SHALL BE PAID UNDER 907-265-F. "FIRE HYDRANT ASSEMBLY".
- 15. WATER MAINS FOUND TO CONFLICT WITH THE NEW CONSTRUCTION SHALL BE REROUTED ABOVE OR BELOW THE CONFLICT. REROUTING WATER MAIN, DISINFECTION, AND TESTING SHALL COMPLY WITH THE STATE OF MISSISSIPPI HEALTH DEPARTMENT REGULATIONS. REROUTING WATER MAINS SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY INCLUDING, BUT NOT LIMITED TO: PIPE FITTINGS, RESTRAINTS, EXCAVATION, BACKFILL, CONCRETE, GASKETS, HARDWARE, DISINFECTION, TESTING, AND REPORTING.
- 16. WATER AND SEWER SERVICES FOUND TO CONFLICT WITH THE NEW CONSTRUCTION SHALL BE REROUTED AS APPROVED BY THE ENGINEER. REROUTING WATER SERVICES, DISINFECTION, AND TESTING SHALL COMPLY WITH THE STATE OF MISSISSIPPI HEALTH DEPARTMENT REGULATIONS. REPOUTING SERVICES SHALL INCLUDE ALL LABOR. MATERIALS. AND EQUIPMENT NECESSARY INCLUDING. BUT NOT LIMITED TO: PIPE FITTINGS. RESTRAINTS. EXCAVATION, BACKFILL, CONCRETE, GASKETS, HARDWARE, CLEAN OUTS, METER BOXES, DISINFECTION, TESTING, AND REPORTING.
- 17. ADJUSTMENT OF UTILITY APPURTENANCE, 613-D WILL BE USED FOR PAYMENT AS AUTHORIZED BY THE ENGINEER FOR ANY UTILITY APPURTENANCE NEEDING ADJUSTING TO FINISHED GRADE FOR WHICH A SEPARATE PAY ITEM IS NOT LISTED
- 18. TOP ELEVATIONS OF INLETS AND BOXES ARE APPROXIMATE. FINAL GRADES SHALL BE FIELD DETERMINED.
- 19. PRE-CAST DRAINAGE STRUCTURES SHALL NOT BE ALLOWED FOR THIS PROJECT. ALL DRAINAGE STRUCTURES, INCLUDING INLETS AND JUNCTION BOXES SHALL BE CAST-IN-PLACE ON SITE OR PRE-FORMED PLASTIC.
- 20. PAYMENT FOR STEPS AND INSTALLATION OF STEPS IN DRAINAGE STRUCTURES SHALL BE INCLUDED IN PAY ITEM NO. 907-601-A. STEPS ARE REQUIRED IN ANY BOX DEEPER THAN 3'.
- 21. REPAIR TO EXISTING DRAINAGE STRUCTURES TO TIE IN NEW DRAINAGE LINES SHALL BE ABSORBED IN THE COST OF THE NEW PIPE.
- 22. RECONNECTING EXISTING PIPES TO NEW UTILITY STRUCTURES SHALL BE ABSORBED IN 907-601-A. THIS INCLUDES ANY DISCOVERED PIPES THAT NEED TO
- 23. EXISTING PRIVATE DRAIN LINES SHALL BE TIED INTO THE NEW SUBSURFACE DRAINAGE SYSTEM. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING PRIVATE DRAIN LINES. (COST ABSORBED IN THE PRICE BID FOR PIPE OR STRUCTURAL CONCRETE).
- 24. THE COST OF CONCRETE COLLARS WILL BE IN PAY ITEMS, COLLARS WITH REINFORCEMENTS WILL BE REQUIRED WHERE TYING NEW DRAINAGE PIPE TO EXISTING DRAINAGE PIPE, OR CONNECTION OF END TREATMENTS TO CUT ENDS OF PIPES, SUCH AS FLARED END SECTIONS
- 25. THE AREA AROUND A NEW DRAINAGE INLET SHALL HAVE SOD PLACED 18" AROUND ALL SIDES OF IT

### **DEWATERING NOTES**

ALL THE AREAS OF WORK IN SUITABLE DRY CONDITION.

- 1. UTILIZE APPROPRIATE DEWATERING SYSTEMS AND TECHNIQUES TO MAINTAIN THE EXCAVATED AREA SUFFICIENTLY DRY FROM GROUNDWATER AND/ OR SURFACE RUNOFF SO AS NOT TO ADVERSELY AFFECT CONSTRUCTION PROCEDURES OR CAUSE EXCESSIVE DISTURBANCE OF UNDERLYING
- 2. PROVIDE AND STORE AUXILIARY DEWATERING EQUIPMENT ON SITE IN THE EVENT OF BREAKDOWN. PROVIDE NON-WOVEN FILTER FABRIC WHERE REQUIRED FOR UNDERDRAIN SYSTEM. THE NON-WOVEN FILTER FABRIC SHALL BE SPECIFICALLY DESIGNED FOR SUBSURFACE DRAINAGE
- WATER FROM TRENCHES AND EXCAVATIONS SHALL BE DISPOSED OF IN A MANNER AS TO AVOID PUBLIC NUISANCE. INJURY TO PUBLIC HEALTH OR THE ENVIRONMENT, OR DAMAGES TO PUBLIC OR PRIVATE PROPERTY, OR DAMAGE TO THE WORK COMPLETED OR IN PROGRESS. DO NOT DISCHARGE WATER INTO ANY SANITARY SEWER SYSTEM. SILTATION BARRIERS SHALL BE UTILIZED AS NECESSARY.
- SEDIMENTATION AREA IS TO TAKE PLACE PRIOR TO DISCHARGE TO ANY DRAINAGE SYSTEMS. 5. THE CONTRACTOR SHALL REPAIR ANY DAMAGE RESULTING FROM THE FAILURE OF THE DEWATERING OPERATIONS OR FROM FAILURE TO MAINTAIN

4. WATER FROM TRENCHES AND EXCAVATIONS SHALL NOT BE DISCHARGED DIRECTLY TO STORM DRAIN SYSTEM. PROPER TREATMENT TO A

### PERMANENT & TEMPORARY TRAFFIC CONTROL

- 1. ALL TRAFFIC CONTROL SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD). THE OWNER WILL HAVE THE AUTHORITY TO SUSPEND ALL WORK AND/OR WITHHOLD PAYMENTS FOR FAILURE OF THE CONTRACTOR TO MAINTAIN/FOLLOW PROPER TRAFFIC CONTROL.
- 2. ALL TEMPORARY TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
- 3. THE LOCATION AND SPACING OF SIGNS AS SHOWN ON THE TRAFFIC CONTROL PLANS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD
- 4. ALL SIGNS THAT CONFLICT WITH THE CONSTRUCTION OF THIS PROJECT SHALL BE COVERED/REMOVED AND RESET BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ALL ASSOCIATED COST SHALL BE ABSORBED IN MAINTENANCE OF TRAFFIC
- WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE WHAT BRACING. SHORING. OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION, THE PUBLIC THAT MAY BE ABOVE THE EXCAVATION, OR ANY STRUCTURE ADJACENT TO THE EXCAVATION. ALL COST FOR ANY PROTECTIVE MEASURES INCLUDING THE MATERIALS AND LABOR FOR DESIGNING, DRAWING, AND CONSTRUCTING THE FACILITY SHALL BE ABSORBED IN MAINTENANCE OF TRAFFIC.
- 6. REMOVAL OF RAISED PAVEMENT MARKERS SHALL BE ABSORBED IN MAINTENANCE OF TRAFFIC.
- 7. EXISTING BLUE RAISED PAVEMENT MARKERS INDICATING THE LOCATION OF FIRE HYDRANTS SHALL BE REINSTALLED OR REPLACED ONCE FINAL ROADWAY SURFACE IS INSTALLED. ALL ASSOCIATED COSTS SHALL BE ABSORBED IN MAINTENANCE OF TRAFFIC.
- 8. REMOVAL OF OBJECT MARKERS SHALL BE ABSORBED IN MAINTENANCE OF TRAFFIC.
- 9. TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT AND STRAIGHTNESS
- 10. ORANGE FLUORESCENT SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED IN PLANS TO BE BLACK LEGENDS AND BORDER ON WHITE BACKGROUND
- 11. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
- 12. ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
- 13. THE COST OF REMOVAL OF OBSOLETE SIGNAGE OR REMOVAL OF OLD SIGNS TO BE REPLACED SHALL BE ABSORBED IN MAINTENANCE OF TRAFFIC.
- 14. ACCESS TO ALL BUSINESSES AND RESIDENCES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES. COST TO BE ABSORBED IN "MAINTENANCE OF TRAFFIC".

### **EROSION CONTROL**

- 1. THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION.
- TEMPORARY SEEDING IS REQUIRED FOR SOILS THAT REMAIN STOCKPILED OR ARE NOT SCHEDULED FOR ANY ACTIVITY FOR MORE THAN THIRTY (30) CALENDAR DAYS. AREAS SHALL BE SEEDED WITHIN SEVEN (7) DAYS OF DISTURBANCE. TEMPORARY SEEDING SHALL BE APPLIED IN ACCORDANCE WITH THE PLANTING SCHEDULE AND THE RATE OF APPLICATION/PLANTING PREPARATION OUTLINED IN THE MDEQ SEEDING CHART
- 3. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH ALL MATERIALS AND PERFORM ALL WORK FOR THE PROPER INSTALLATION, MAINTENANCE AND REMOVAL OF TEMPORARY EROSION CONTROL MEASURE NECESSARY TO CONTROL SILTATION. IF THERE IS NO SEPARATE PAY ITEM FOR TEMPORARY EROSION CONTROL MEASURES, THE COST OF TEMPORARY EROSION CONTROL SHALL BE ABSORBED IN OTHER ITEMS BID.
- 4. THE OWNER HAS OBTAINED A STORM WATER PERMIT FOR CONSTRUCTION THROUGH THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY. THE CONTRACTOR IS REQUIRED TO SIGN THE LARGE CONSTRUCTION NOTICE OF INTENT (LCNOI) AND COMPLY WITH THE REQUIREMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND PERMIT THROUGHOUT CONSTRUCTION. A COPY OF THE SWPPP AND PERMIT ARE AVAILABLE UPON REQUEST FROM THE ENGINEER DURING BIDDING. THE CONTRACTOR WILL BE GIVEN A COPY OF THE SWPPP AND PERMIT AT THE PRECONSTRUCTION CONFERENCE. THE SWPPP AND PERMIT SHALL REMAIN ON-SITE AND BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES DURING THE ENTIRE CONSTRUCTION DURATION.
- 5. SILT FENCES SHALL BE INSTALLED AROUND ALL STOCKPILED MATERIALS.
- 6. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED IMMEDIATELY ONCE FINISHED GRADING IS COMPLETE IN AN AREA. SEEDING AND SODDING LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER TO MATCH EXISTING ADJACENT CONDITIONS.
- 7. NO ADDITIONAL PAYMENT WILL BE MADE FOR WATERING. WATERING SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE COST SHALL BE ABSORBED IN GRASSING. THE WATERING SCHEDULE SHOWN ON THE VEGETATION SCHEDULE SHALL BE ADHERED TO UNLESS OTHERWISE APPROVED BY THE ENGINEER OR AS DIRECTED OTHERWISE BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE VEGETATION THROUGHOUT THE LIFE OF THE PROJECT AND THROUGH THE MAINTENANCE PERIOD. THE CONTRACTOR SHALL NOT BE PAID FOR ANY ADDITIONAL WATERING REQUIRED ABOVE AND BEYOND WHAT IS REQUIRED IN THE VEGETATION SCHEDULE.
- 8. THE PLACEMENT OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS) SHALL BE IN ACCORDANCE WITH THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY'S DESIGN MANUAL FOR THE PLANNING AND CONTROL OF EROSION, SEDIMENT AND STORMWATER.
- 9. NATURAL VEGETATION SHALL BE MAINTAINED AND PROTECTED WHEREVER POSSIBLE
- 10. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION CONTROLS THROUGHOUT THE DURATION OF THE PROJECT.
- 11. TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL NOT BE REMOVED UNTIL PERMANENT EROSION CONTROLS (SUCH AS GRASSING) ARE
- 12. ALL EQUIPMENT REPAIR AND MAINTENANCE SHALL BE DONE OFFSITE.
- 13. RECEPTACLES SHALL BE PROVIDED TO PROPERLY DISPOSE OF ALL TRASH AND WASTE. ALL CONSTRUCTION DEBRIS SHALL BE PICKED UP AT THE END OF EACH DAY AND SHALL BE REMOVED COMPLETELY FROM THE SITE AT THE END OF THE PROJECT.
- 14. SANITARY FACILITIES SHALL BE PROVIDED ON-SITE FOR ALL EMPLOYEES.
- 15. ALL EROSION CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS.
- 16. THE CONTRACTOR IS RESPONSIBLE FOR MAKING MODIFICATIONS TO THE EROSION CONTROL PLAN AS FIELD CONDITIONS CHANGE OR EXISTING CONTROL BECOME INEFFECTIVE
- 17. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM CONTROLS WHEN IT REACHES ½ THE HEIGHT OF THE CONTROL. THE SEDIMENT SHALL BE PROPERLY DISPOSED OF SO AS NOT TO CAUSE SEDIMENTATION IN ANOTHER LOCATION.
- 18. EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED WEEKLY AND FOLLOWING ANY RAIN EVENT. NON-FUNCTIONING, INEFFECTIVE OR DAMAGED CONTROLS SHALL BE REPAIRED, REPLACED OR SUPPLEMENTED WITH FUNCTIONAL CONTROLS WITHIN 24 HOURS OF DISCOVERY
- 19. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT THAT MIGRATES INTO THE STORM DRAIN SYSTEM.
- 20. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT OR CONSTRUCTION DEBRIS THAT IS TRACKED ONTO ADJACENT PAVED AREAS. ADJACENT STREETS SHALL BE KEPT CLEAN THROUGHOUT CONSTRUCTION AND SHALL BE CLEANED WITH A STREET-SWEEPER OR SIMILAR TECHNIQUE IMMEDIATELY UPON DISCOVERY OF SEDIMENT. WASHING DOWN OF THE STREET OR ANY PAVED AREAS IS NOT ALLOWED.
- 21. ANY SEDIMENT THAT HAS MIGRATED OFFSITE, WHETHER IT BE ONTO PUBLIC OR PRIVATE PROPERTY, SHALL BE REMOVED IMMEDIATELY UPON DISCOVERY. THE SOURCE OF THE BREACH SHALL IMMEDIATELY BE LOCATED AND CORRECTED.



407 Hwy. 90 Bay St. Louis, MS, 39520

Office - (228) 467-6755 Email - jason@jjc-eng.com Website - www.jjc-eng.com

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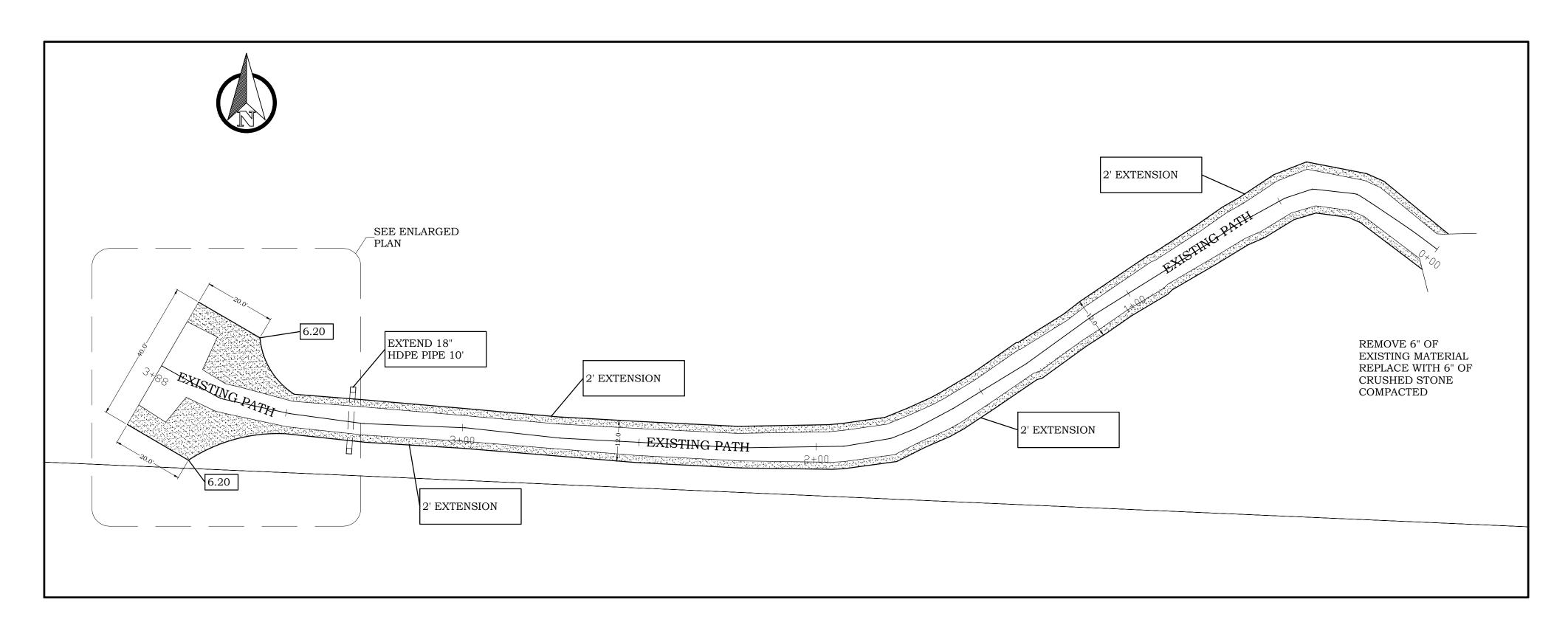
RELIMINAR FOR REVIEWS

MARK DATE DESCRIPTION PROJECT NO: 17 DATF: 1/26/2022 DRAWN BY: CHECKED BY:

SHEET NUMBER

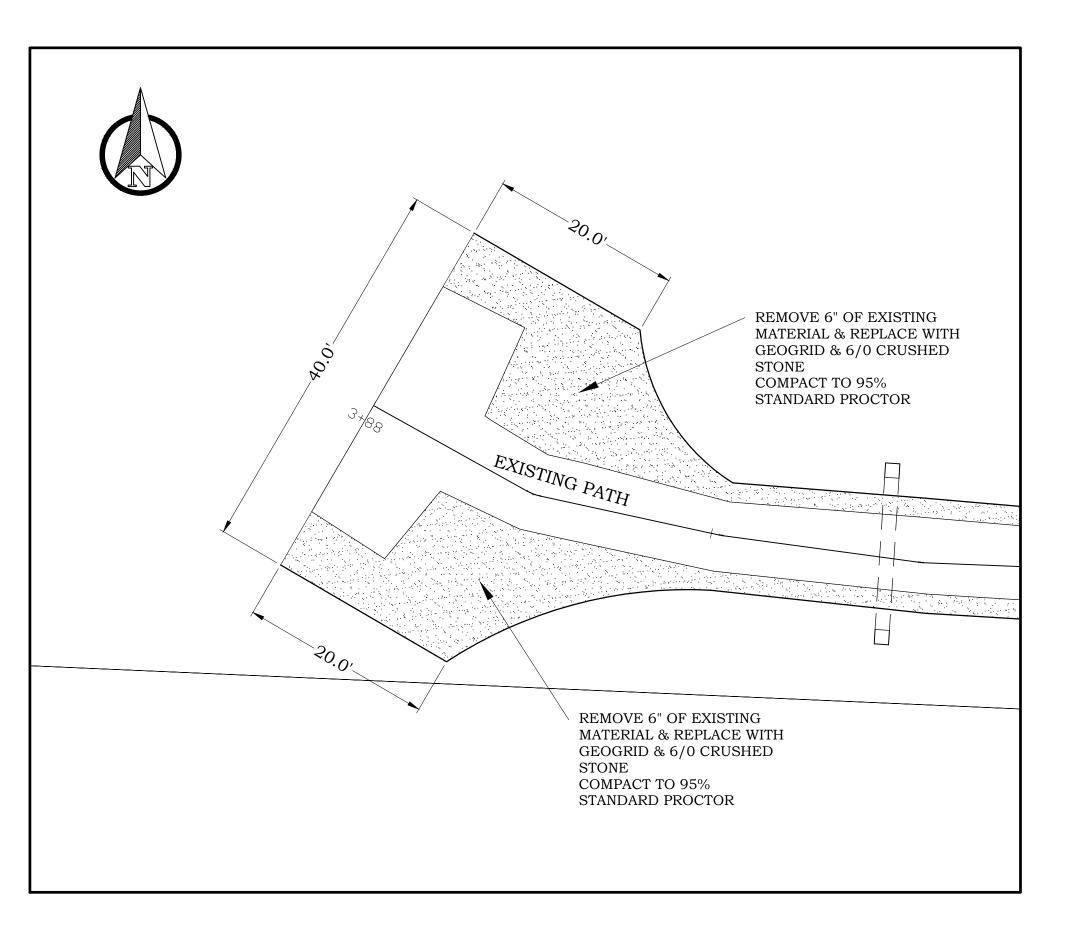
SHEET DESIGNATION GN-02

SCALE:



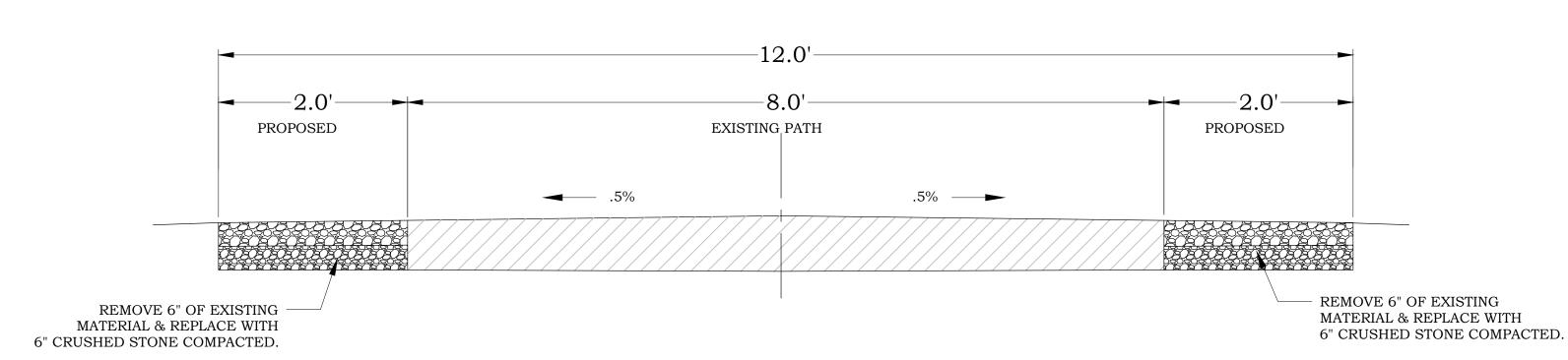
# SITE PLAN

SCALE: 1:20



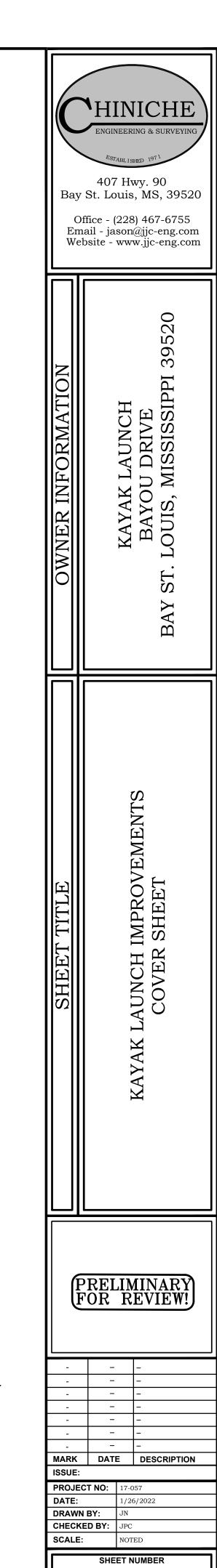
# ENLARGED PLAN

SCALE: 1:10



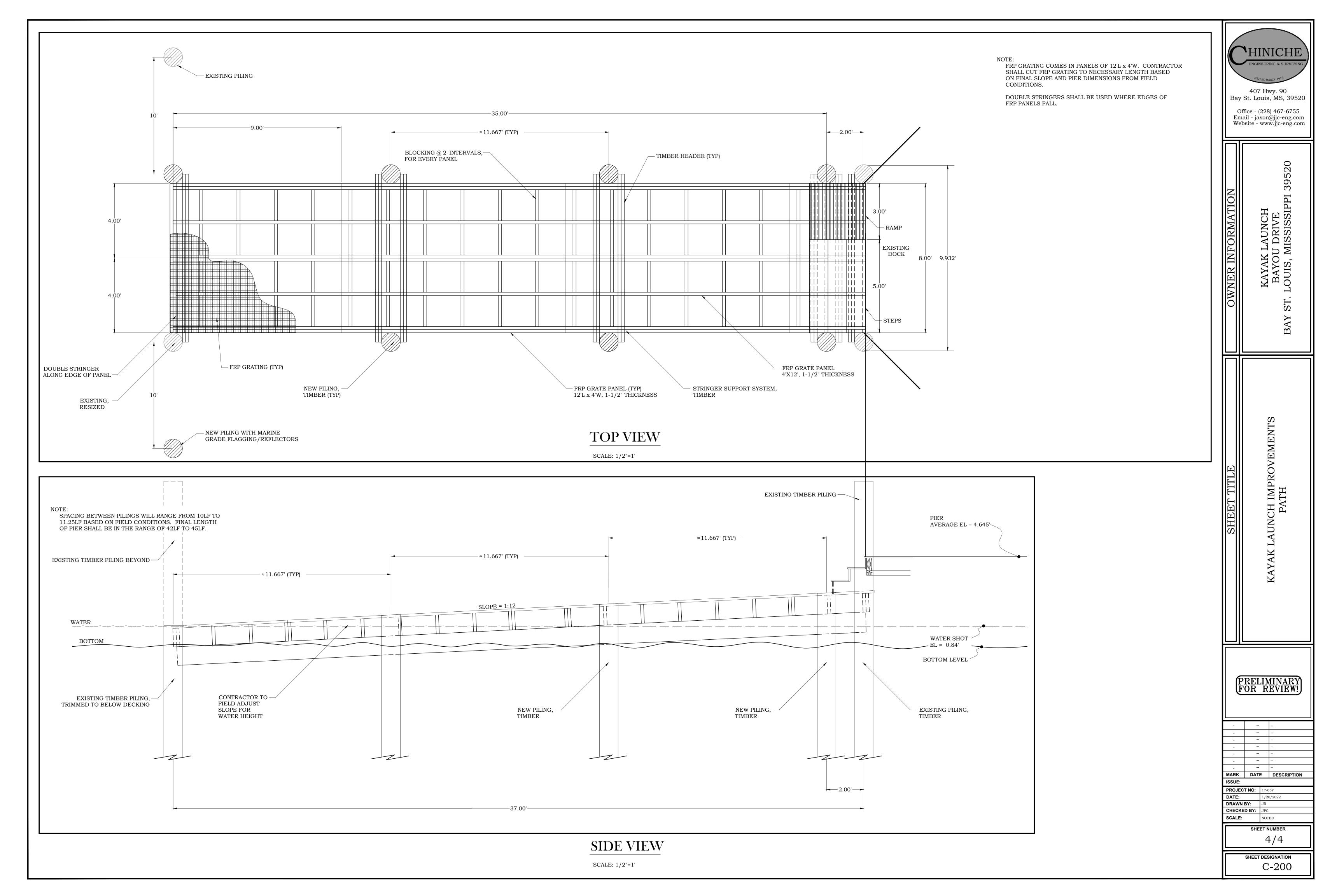
# TYPICAL CROSS SECTION

N.T.S.



SHEET DESIGNATION

C-100



### Attachment "B" Authorized Agent Letter



### MISSISSIPPI DEPARTMENT OF MARINE RESOURCES

### **Agent Authorization**

I authorize the person(s) and/or company listed below to act as my agent regarding the proposed project as described in the Joint Application and Notification at the location listed below:

Jason Chiniche, P.E.	Kayak Launch on Bayou Drive
(name of agent)	(location of project)
407 Highway 90 (address)	Diamondhead, MS 39525
(address)	
Bay Saint Louis, MS 39520	Along Rotten Bayou
(city, state, zip code)	
228-467-6755	
(agent phone number)	
Mike Reso, City Manager	
(print applicant name)	
(applicant signature)	(date)
,	` '
Do you want the name to mailed to the accept	You No
Do you want the permit mailed to the agent	? Yes No