



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT
7400 LEAKE AVENUE
NEW ORLEANS, LOUISIANA 70118-3651

3 March 2020

REPLY TO
ATTENTION OF

Operations Division
Eastern Evaluation Section

SUBJECT: MVN-2019-01248-EG

Coastal Protection and Restoration Authority
Attn: David Taylor
150 Terrace Ave.
Baton Rouge, LA 70802

Dear Mr. Taylor,

The proposed work, to perform maintenance activities on existing roads, parking lots, and a nature trail, located at Grand Isle State Park, at approximately 29.257778 °N, -89.956389 °W, in Jefferson Parish, Louisiana, as shown on the enclosed drawings, is authorized under **Category I** of the **Programmatic General Permit** provided that all conditions of the permit are met.

This authorization has a blanket water quality certification from the Louisiana Department of Environmental Quality; therefore, no additional authorization from DEQ is required.

However, prior to commencing work on your project, you must obtain approvals from state and local agencies as required by law and by terms of this permit. These approvals include, but are not limited to, a permit, consistency determination or determination of "no direct or significant impact (NDSI) on coastal waters" from the Louisiana Department of Natural Resources, Office of Coastal Management.

This approval to perform work is valid for 5 years from the date of this letter.

Permittee is aware that this office may reevaluate its decision on this permit at any time the circumstances warrant.

Should you have any further questions concerning this matter, please contact Angelle Greer at (504) 862-2279 or angelle.v.greer@usace.army.mil.

Sincerely,

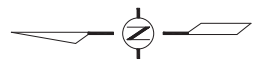
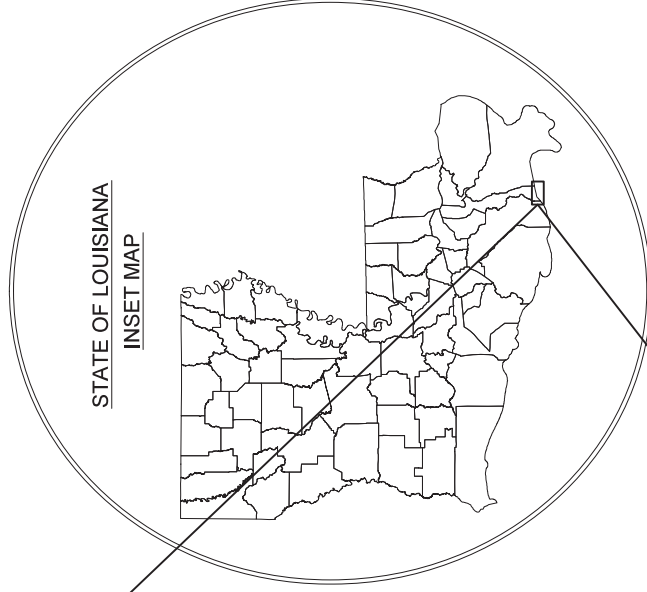
FARABEE.MIC Digitally signed by
FARABEE.MICHAEL.V
HAEL.VERNE ERNE.1053559979
1053559979 Date: 2020.03.03
11:52:05 -06'00'


for
Martin S. Mayer
Chief, Regulatory Branch

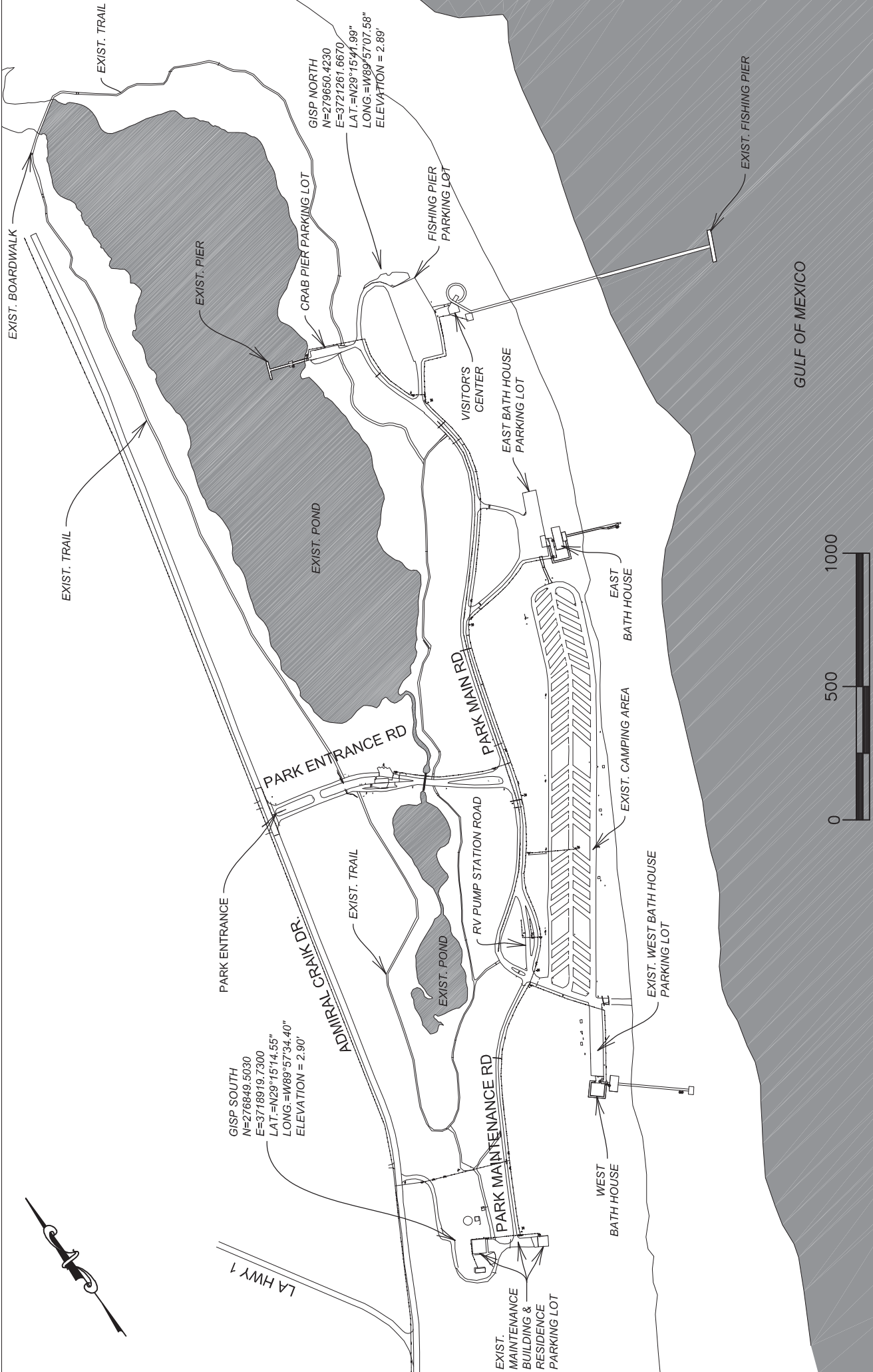
Enclosures


STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK PROJECT NO. BA-0214 JEFFERSON PARISH

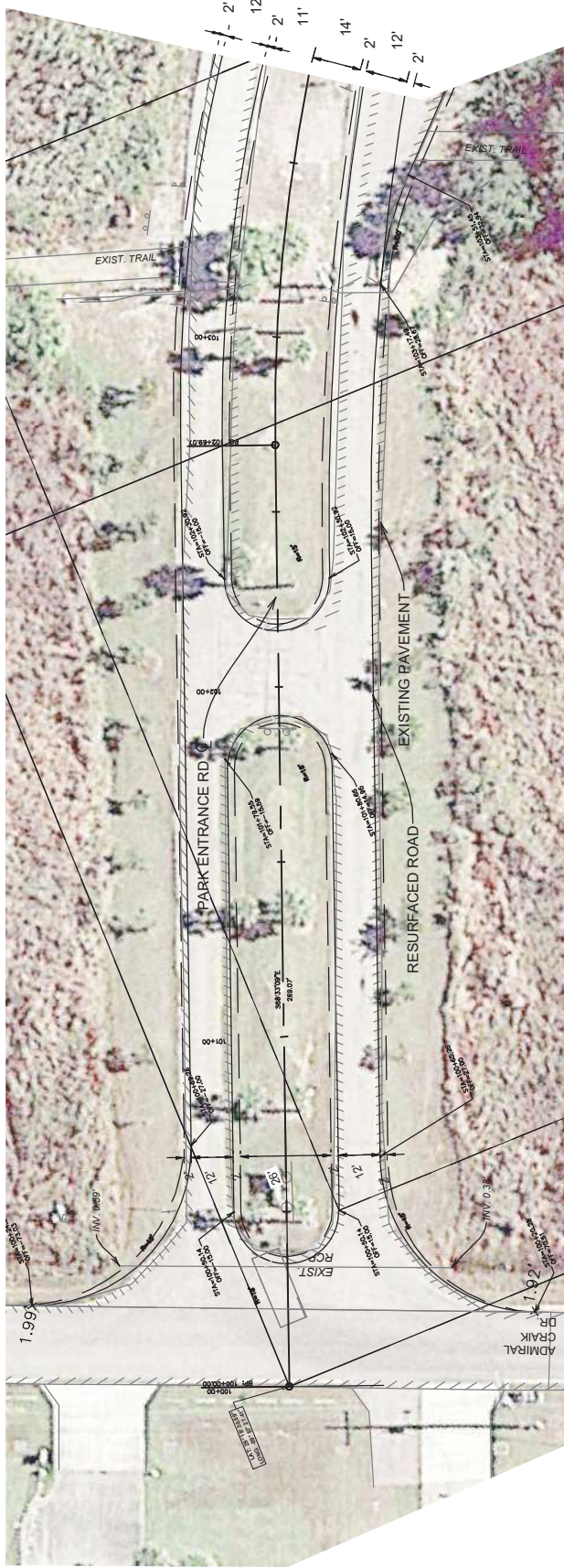


<p>APPLICATION BY: COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	<p style="border: 2px solid red; padding: 5px; text-align: center;">FOR PERMIT APPLICATION ONLY</p> <p style="font-size: small; text-align: center;">Lesli Saffer LA LICENSE NO. 0332287</p>		<p>VICINITY MAP</p> <p>GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK</p> <p>DATE: JUNE 2019</p>
<p>DRAWN BY: MJC</p>	<p>DESIGNED BY: LES</p>	<p>APPROVED BY: MM</p>	<p>SHEET 1 OF 32</p>



<p>EXISTING SITE - PLAN VIEW</p>		<p>FOR PERMIT APPLICATION ONLY <small>Leah Sakar LA LICENSE NO. 0032287</small></p>	<p>APPLICATION BY: COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>
<p>GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK</p>	<p>DATE: JUNE 2019</p>	<p>APPROVED BY: MM</p>	<p>DESIGNED BY: LES</p>
<p>SHEET 2 OF 32</p>	<p>DRAWN BY: MJC</p>	<p>DATE: JUNE 2019</p>	<p>DRAWN BY: MJC</p>

PARK ENTRANCE ROAD



NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

APPLICATION BY:

COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
 Leah Sakar
 LA LICENSE NO. 0032287



DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

ROAD IMPROVEMENT PLAN

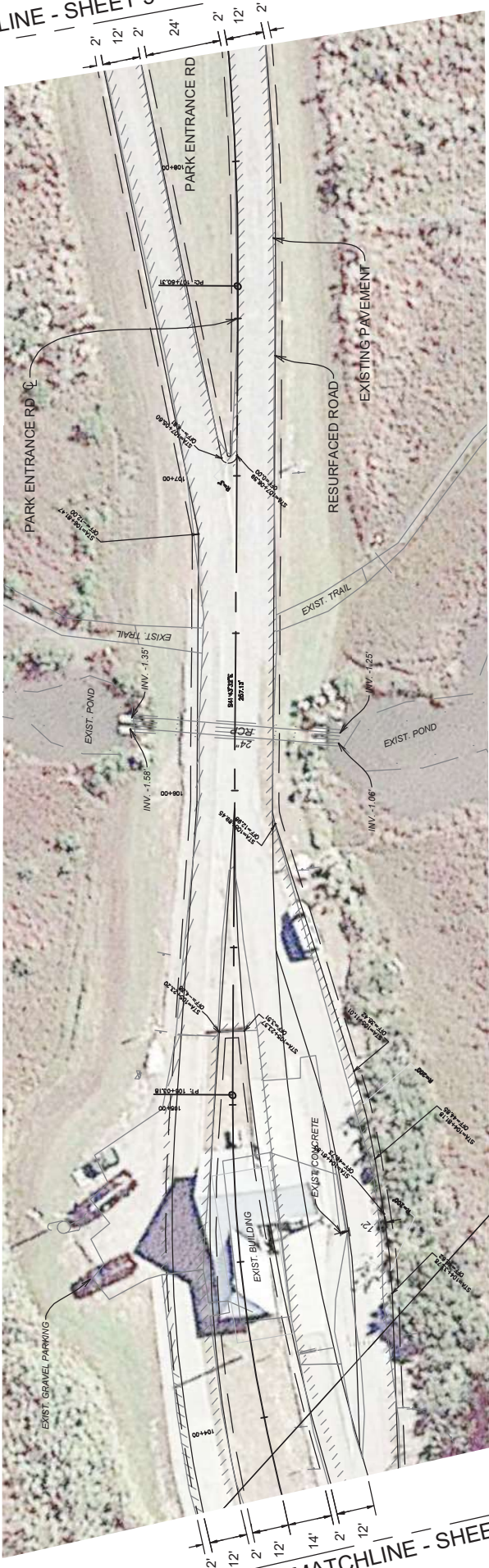
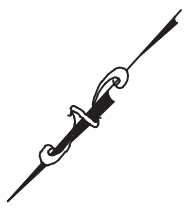
GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

SHEET 3 OF 32

PARK ENTRANCE ROAD

MATCHLINE - SHEET 5



MATCHLINE - SHEET 3



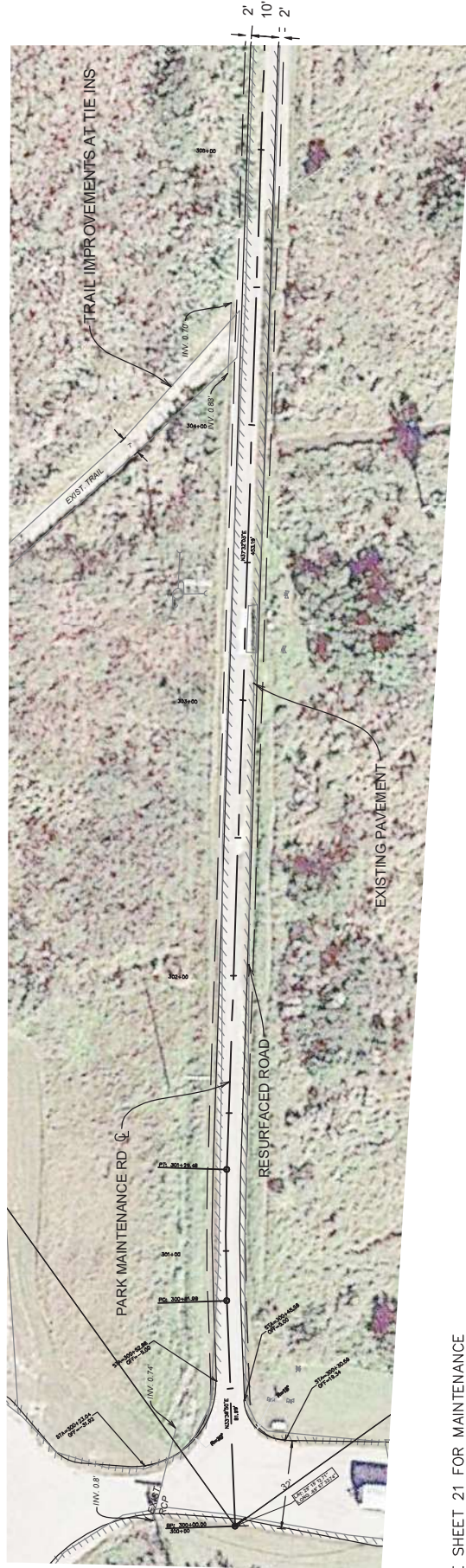
NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

<p>APPLICATION BY: COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	<p style="text-align: center; border: 2px solid red; padding: 5px;">FOR PERMIT APPLICATION ONLY</p> <p style="text-align: center; font-size: small;">Leah Baker LA LICENSE NO. 0032287</p>		<p style="text-align: center;">ROAD IMPROVEMENT PLAN</p> <p style="text-align: center;">GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK</p> <p style="text-align: center;">DATE: JUNE 2019</p> <p style="text-align: center;">SHEET 4 OF 12</p>
<p>DRAWN BY: MJC</p>	<p>DESIGNED BY: LES</p>	<p>APPROVED BY: MM</p>	<p>SHEET 4 OF 12</p>

PARK MAINTENANCE ROAD



MATCHLINE - SHEET 7



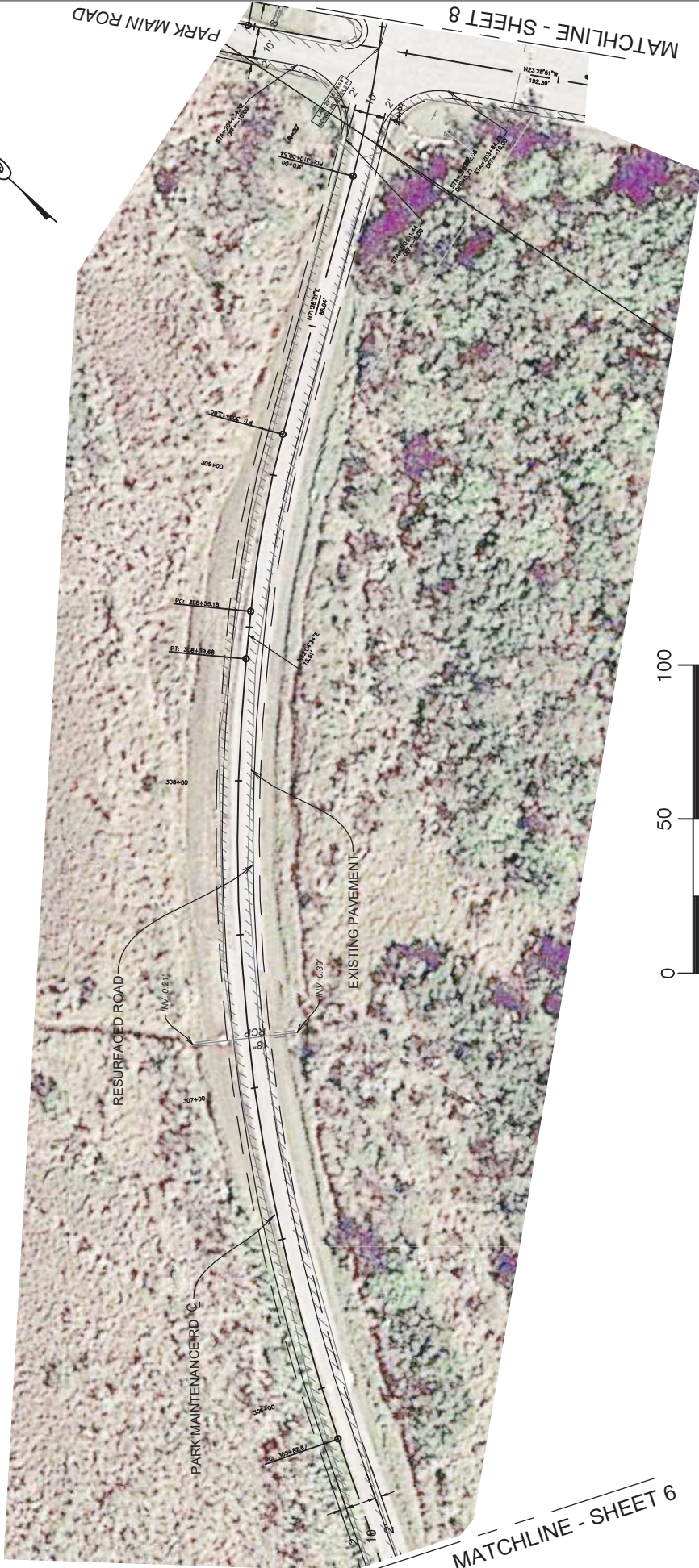
SEE SHEET 21 FOR MAINTENANCE AND RESIDENCE PAVING PLAN



NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

<p>APPLICATION BY: COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	<p style="border: 2px solid red; padding: 5px; text-align: center;">FOR PERMIT APPLICATION ONLY</p> <p style="font-size: small; text-align: center;">Leah Salzer LA LICENSE NO. 0032287</p>	<p style="text-align: center;">CR ENGINEERING LLC</p>	<p style="text-align: center;">ROAD IMPROVEMENT PLAN</p> <p style="text-align: center;">GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK</p> <p style="text-align: center;">DATE: JUNE 2019</p> <p style="text-align: center;">SHEET 6 OF 32</p>
<p>DRAWN BY: MJC</p>	<p>DESIGNED BY: LES</p>	<p>APPROVED BY: MM</p>	

PARK MAINTENANCE ROAD



TOTAL LENGTH OF PARK MAINTENANCE ROAD - APPROX. 987'
 TOTAL AREA OF PARK MAINTENANCE ROAD - 0.23 ACRES

NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

APPLICATION BY:
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY

Leah Sakar
 LA LICENSE NO. 0032287



ROAD IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

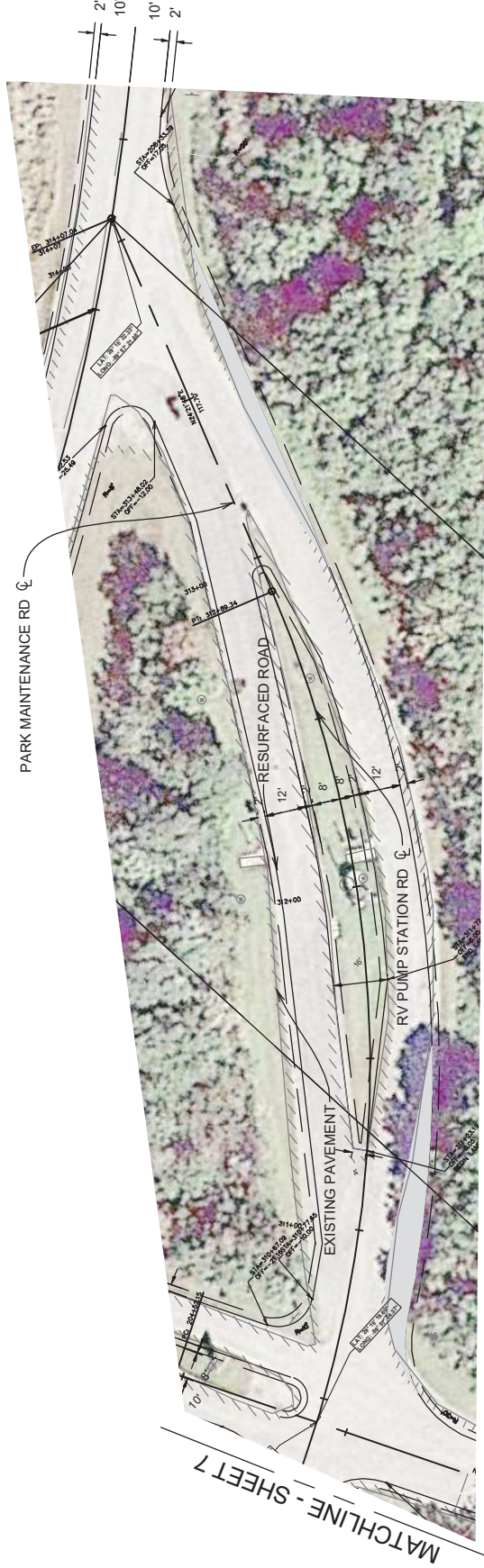
SHEET 7 OF 32

DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

RV PUMP STATION ROAD



LENGTH OF RV PUMP STATION ROAD = 333'
 TOTAL AREA RESURFACED = 0.22 ACRES

NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

APPLICATION BY:
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
 Leah Savoir
 L.A. LICENSE NO. 0032287



ROAD IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

SHEET 8 OF 32

DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

PARK MAIN ROAD

SEE SHEET 19 FOR WEST
BATH HOUSE PARKING LOT



MATCHLINE - SHEET 10

NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

FOR PERMIT APPLICATION ONLY
Leah Sakar
L.A. LICENSE NO. 0032297

APPLICATION BY:
COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801



ROAD IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

SHEET 9 OF 32

APPROVED BY: MM

DESIGNED BY: LES

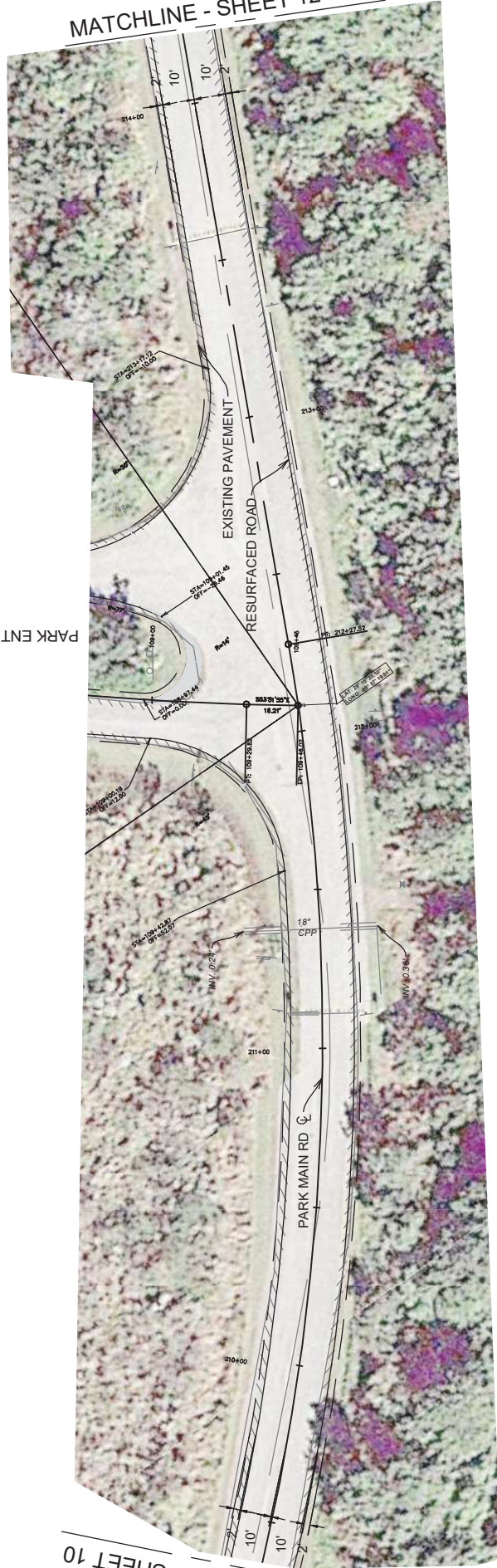
DRAWN BY: MJC

PARK MAIN ROAD

PARK ENTRANCE ROAD

MATCHLINE - SHEET 12

MATCHLINE - SHEET 10



NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

APPLICATION BY:

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

FOR PERMIT APPLICATION ONLY
Leah Baker
LA LICENSE NO. 0032287



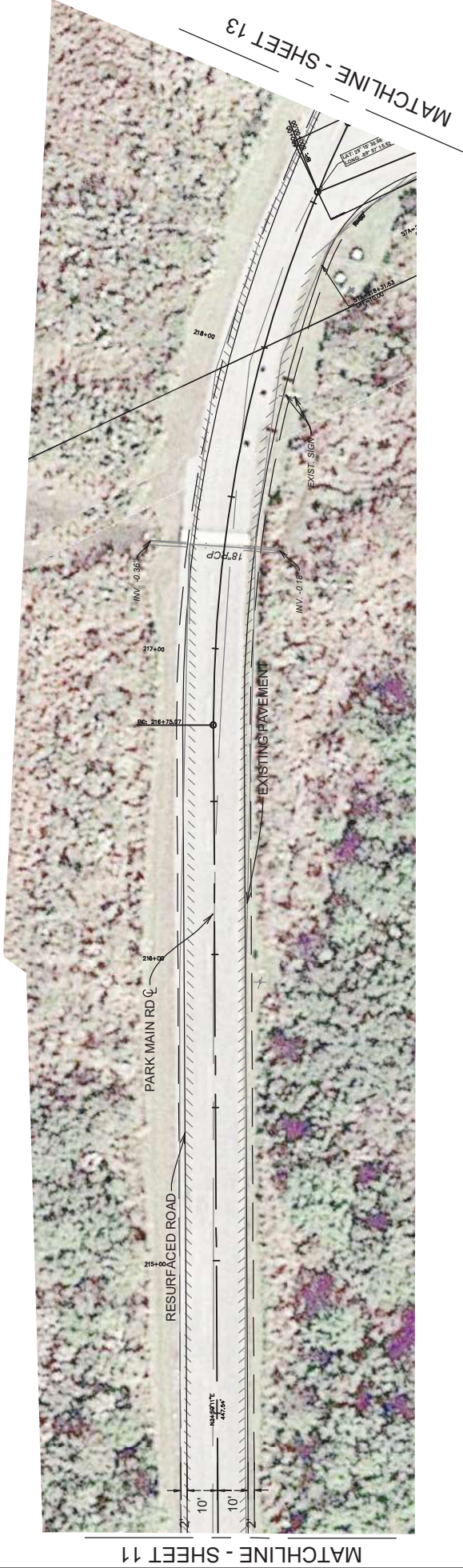
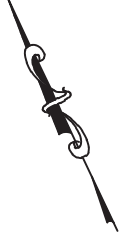
ROAD IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

SHEET 11 OF 32

PARK MAIN ROAD



NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

APPLICATION BY:

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
Leah Saker
LA LICENSE NO. 0032287



ROAD IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

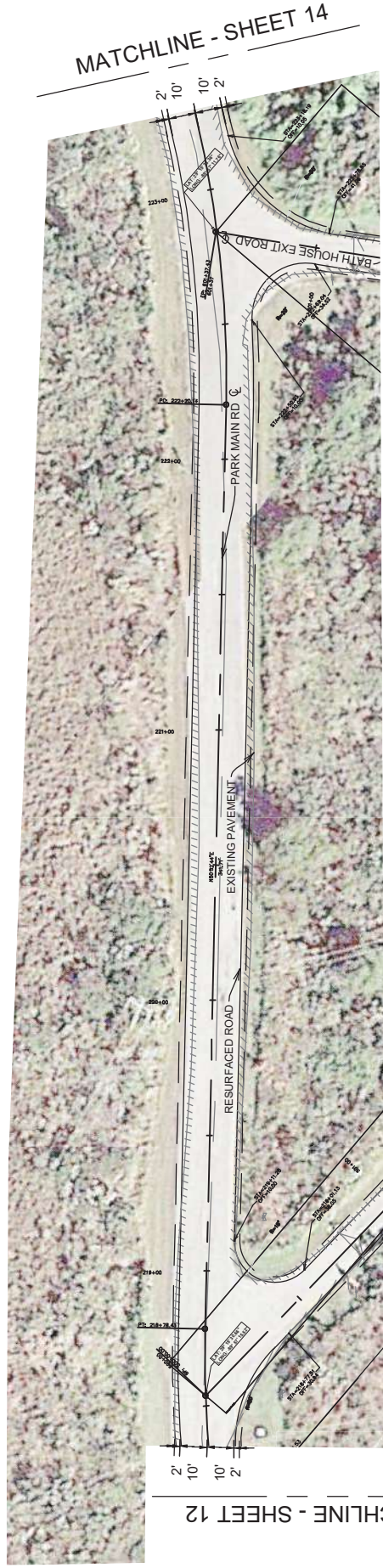
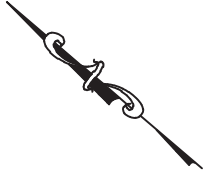
SHEET 12 OF 3/2

DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

PARK MAIN ROAD



NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

APPLICATION BY:

COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
 Leah Sakar
 LA LICENSE NO. 0332287



DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

ROAD IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

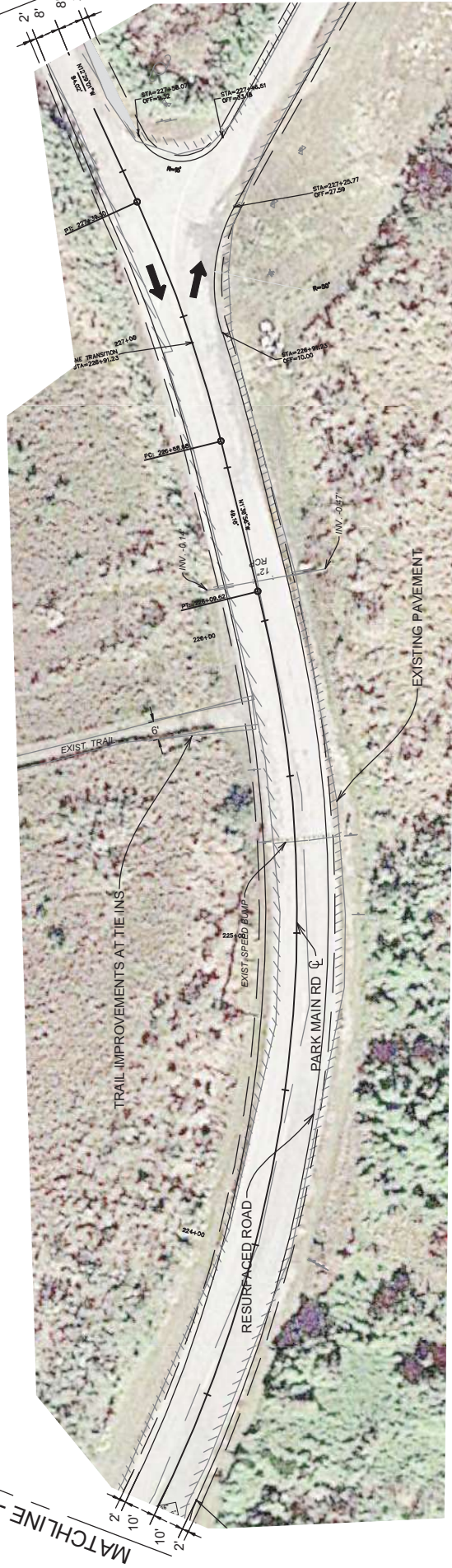
DATE: JUNE 2019

SHEET 13 OF 32

PARK MAIN ROAD

MATCHLINE - SHEET 15

MATCHLINE - SHEET 13



NOTE: PARK MAIN ROAD TO BE RAISED FROM STA. 225+00 TO STA. 233+71
 NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

APPLICATION BY:
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
 Leah Sawyer
 L.A. LICENSE NO. 0032287

CFR ENGINEERING LLC

APPROVED BY: MM

ROAD IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

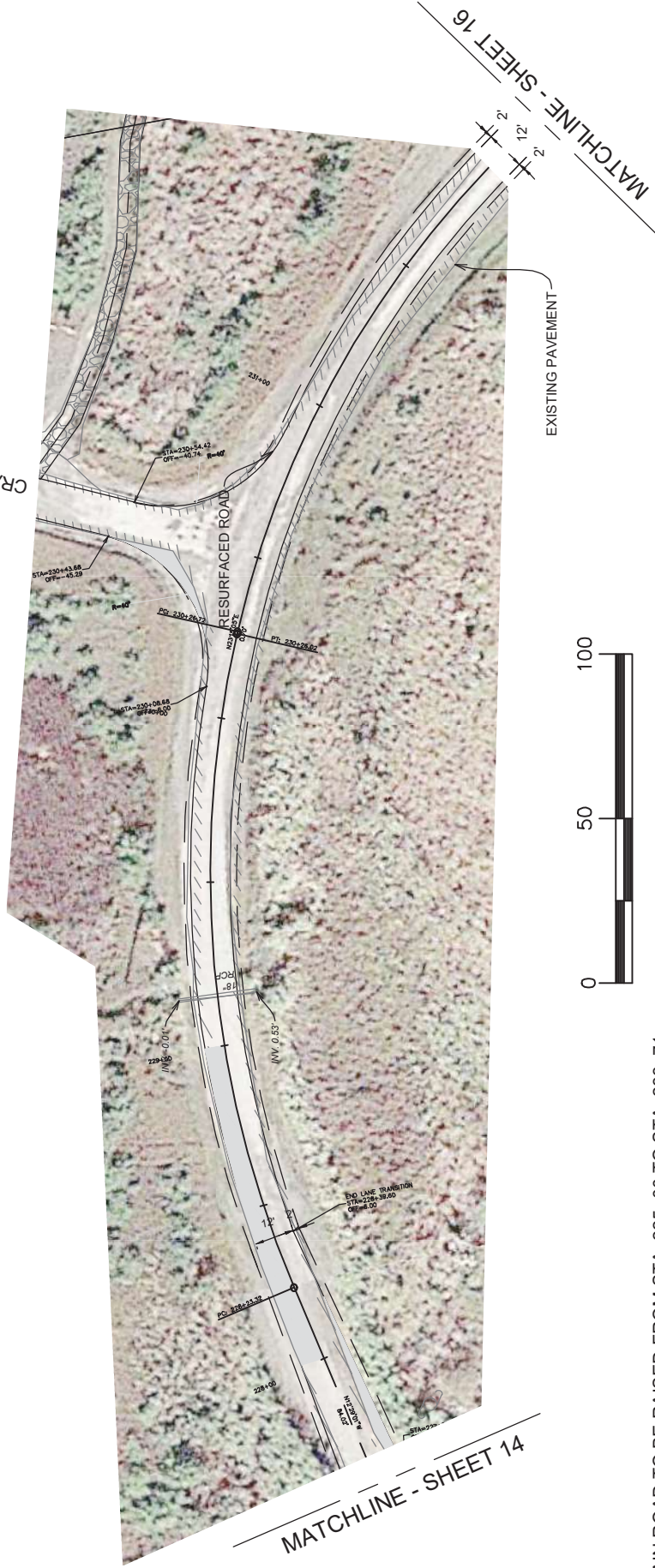
SHEET 14 OF 32

DRAWN BY: MJC

DESIGNED BY: LES

PARK MAIN ROAD

CRAB PIER PARKING LOT



NOTE:
 PARK MAIN ROAD TO BE RAISED FROM STA. 225+00 TO STA. 233+71
 VOLUME OF MATERIAL REQUIRED TO RAISE THE ROAD = 194 CY.
 FILL MATERIAL SHALL CONSIST OF SLECT GRANULAR MATERIAL, SUCH AS LOCALLY AVAILABLE
 SAND (AASHTO DESIGNATED A-3 MATERIAL) OR EXISTING SP, SM, GP AND SI SOILS.

NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE
 CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

**FOR PERMIT
 APPLICATION ONLY**

Leah Baker
 LA LICENSE NO. 0032287

APPLICATION BY:
**COASTAL PROTECTION AND
 RESTORATION AUTHORITY**
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

ROAD IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

SHEET 15 OF 32

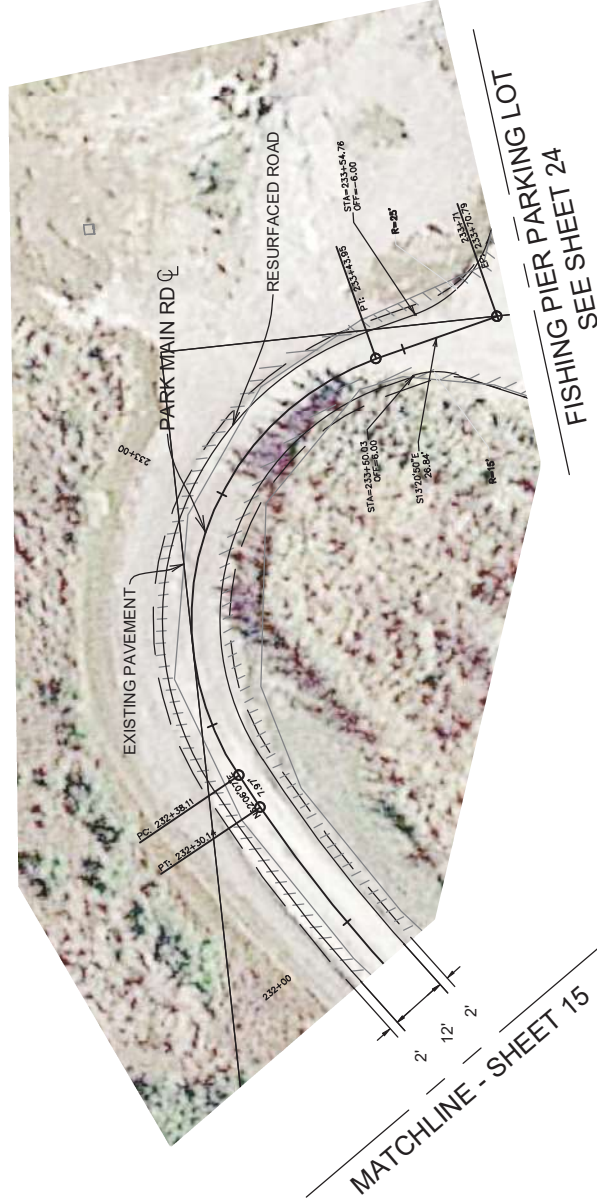


APPROVED BY: MM

DESIGNED BY: LES

DRAWN BY: MJC

PARK MAIN ROAD



LENGTH OF PARK MAIN ROAD = 3.352
 TOTAL AREA RESURFACED = 1.47 ACRES

NOTE: PARK MAIN ROAD TO BE RAISED FROM STA. 225+00 TO STA. 233+71
 NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE
 CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

**FOR PERMIT
 APPLICATION ONLY**

Leah Saker
 LA LICENSE NO. 0032287

APPLICATION BY:
**COASTAL PROTECTION AND
 RESTORATION AUTHORITY**
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801



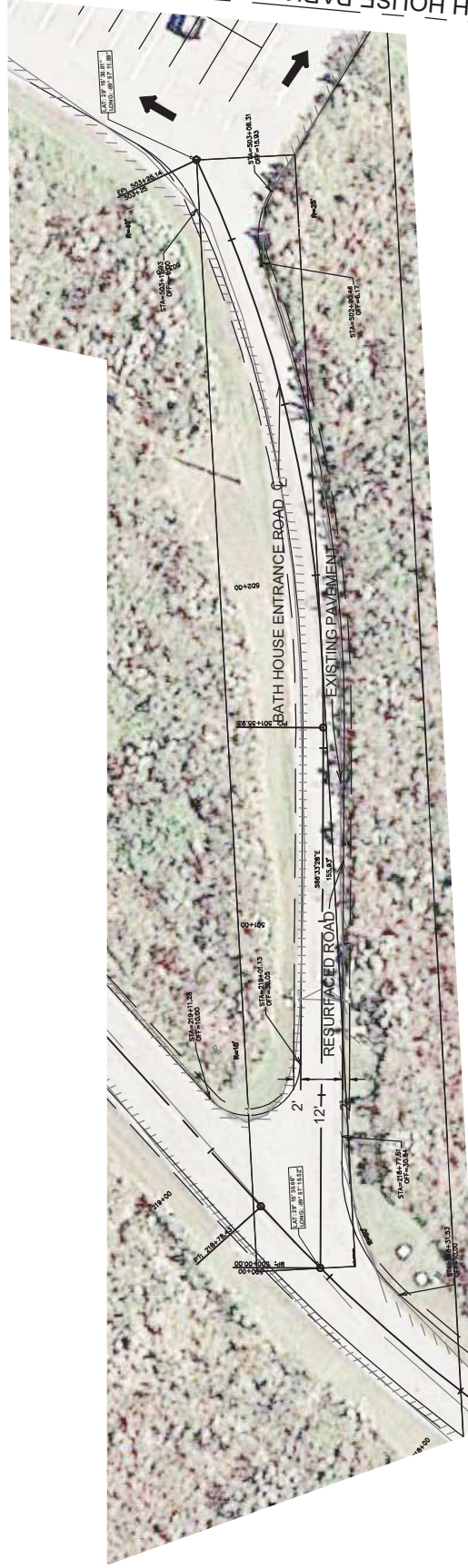
ROAD IMPROVEMENT PLAN
 GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK
 DATE: JUNE 2019
 SHEET 16 OF 32

DRAWN BY: MJC DESIGNED BY: LES APPROVED BY: MM


EAST BATH HOUSE ENTRANCE ROAD



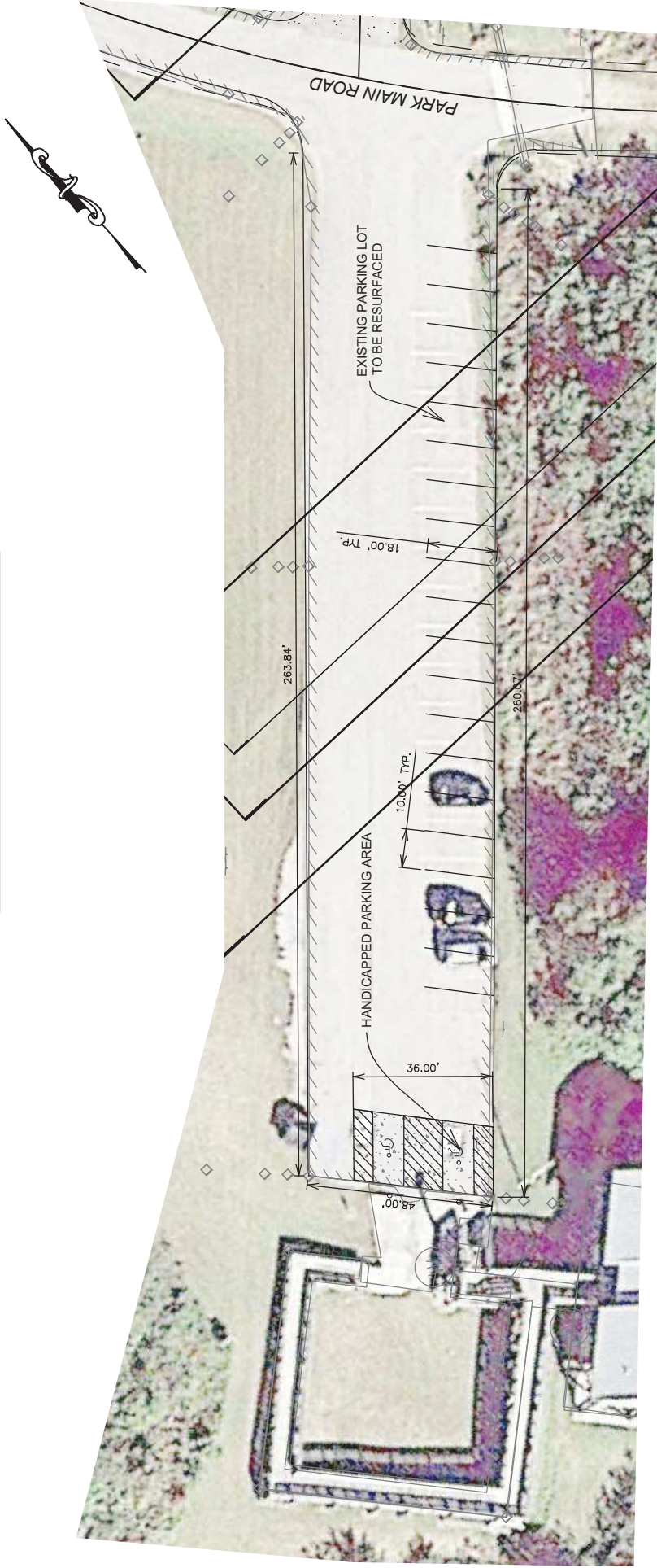
WEST BATH HOUSE PARKING LOT SEE SHEET 25



LENGTH OF EAST BATH HOUSE ROAD = 280'
 TOTAL AREA RESURFACED = 0.09 ACRES
 NOTE: PROPOSED IMPROVEMENTS TO THE ROAD WILL BE
 CARRIED OUT WITHIN THE LIMITS OF THE EXISTING ROAD

<p>ROAD IMPROVEMENT PLAN</p> <p>GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK</p> <p>DATE: JUNE 2019</p> <p>SHEET 17 OF 32</p>		<p style="border: 2px solid red; padding: 5px; text-align: center;">FOR PERMIT APPLICATION ONLY</p> <p style="font-size: small; text-align: center;">Leah Saker L.A. LICENSE NO. 0032297</p>	<p>APPLICATION BY:</p> <p>COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>
	<p>APPROVED BY: MM</p>	<p>DESIGNED BY: LES</p>	<p>DRAWN BY: MJC</p>

WEST BATH HOUSE PARKING LOT



AREA TO BE RESURFACED
0.29 ACRES

NOTE: PROPOSED IMPROVEMENTS TO THE PARKING LOT WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING PARKING LOT

APPLICATION BY:

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
Leah Saeger
L.A. LICENSE NO. 0032287



PARKING LOT IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

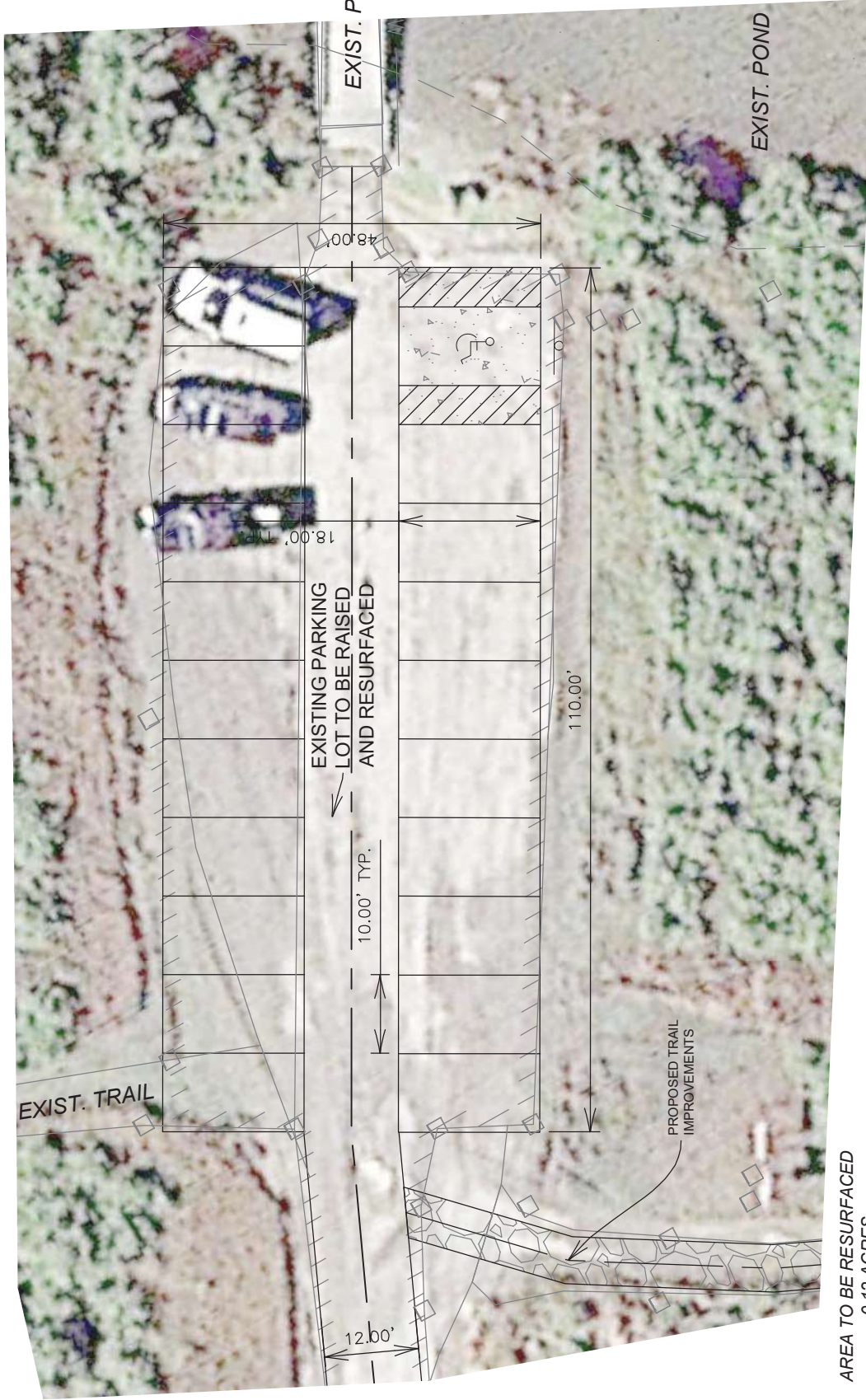
DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

SHEET 19 OF 32

CRAB PIER PARKING LOT



AREA TO BE RESURFACED
0.12 ACRES



NOTE: PROPOSED IMPROVEMENTS TO THE PARKING LOT WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING PARKING LOT

APPLICATION BY:

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
Leah Soper
L.A. LICENSE NO. 0032287



ENGINEERING LLC

PARKING LOT IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

SHEET 20 OF 32

MAINTENANCE BUILDING AND RESIDENCE PARKING LOT



AREA TO BE RESURFACED
0.19 ACRES

NOTE: PROPOSED IMPROVEMENTS TO THE PARKING LOT WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING PARKING LOT

APPLICATION BY:
COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
Leah Baker
L.A. LICENSE NO. 0032287



PARKING LOT IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

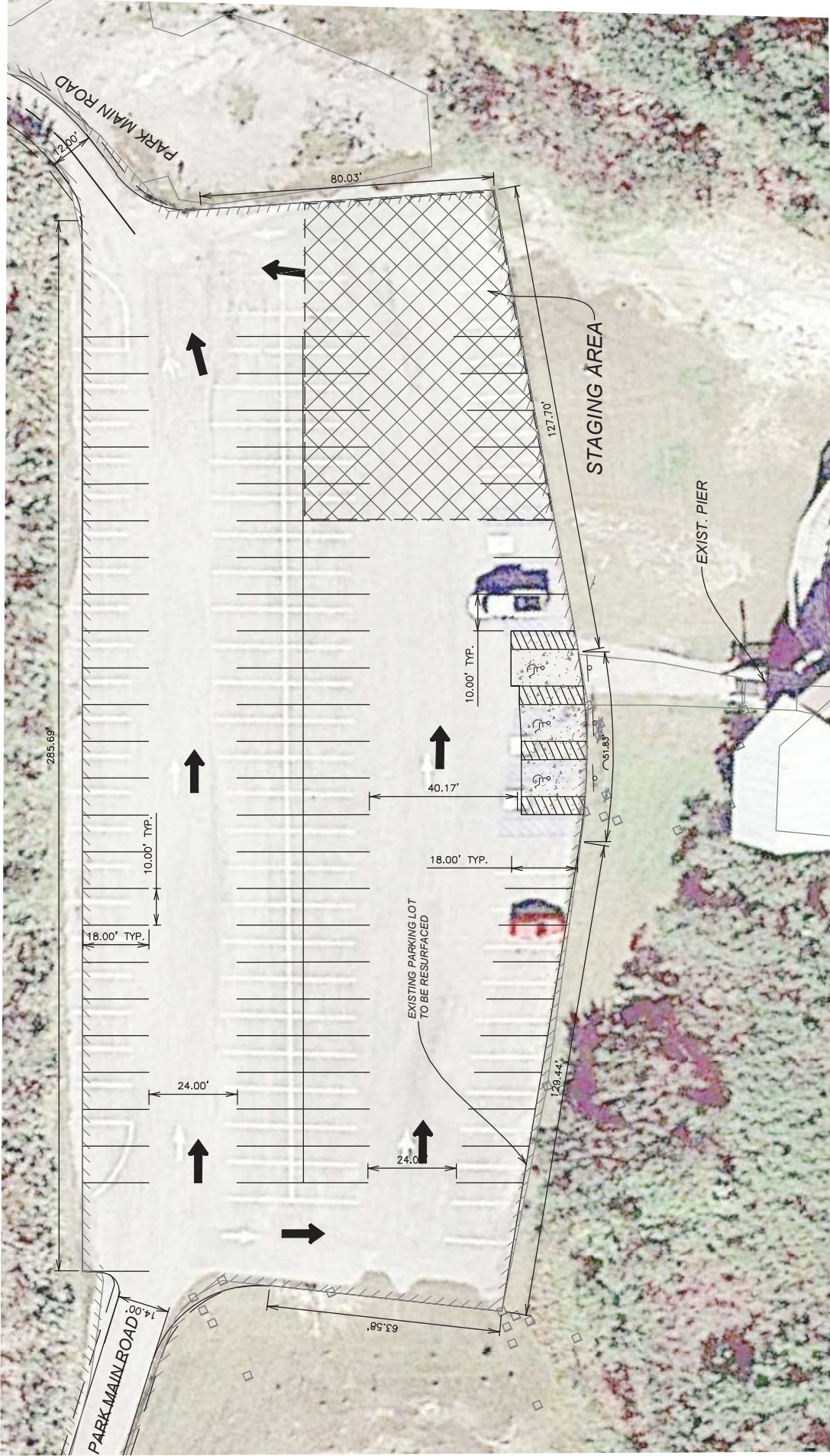
SHEET 21 OF 32

DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

FISHING PIER PARKING LOT



AREA TO BE RESURFACED = 0.86 ACRES

NOTE: PROPOSED IMPROVEMENTS TO THE PARKING LOT WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING PARKING LOT

FOR PERMIT APPLICATION ONLY
 Leah Seiler
 LA LICENSE NO. 0632287

COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

APPLICATION BY:

DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM



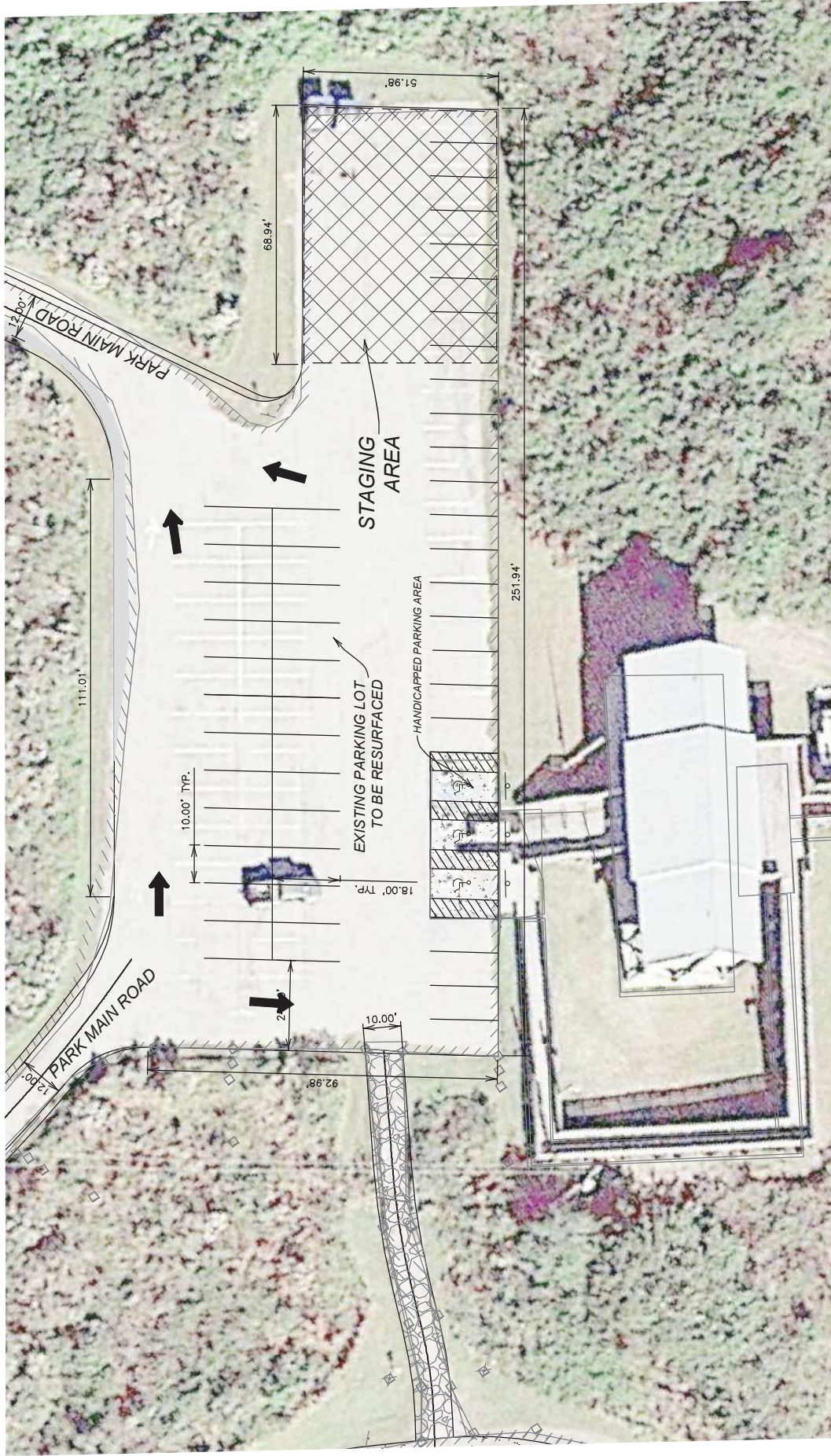
PARKING LOT IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

SHEET 22 OF 32

EAST BATH HOUSE PARKING LOT



AREA TO BE RESURFACED = 0.52 ACRES

NOTE: PROPOSED IMPROVEMENTS TO THE PARKING LOT WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING PARKING LOT

APPLICATION BY:

COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
 Leah Saker
 LA LICENSE NO. 0032287



PARKING LOT IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

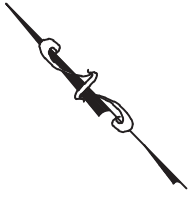
DRAWN BY: MJC

DESIGNED BY: LES

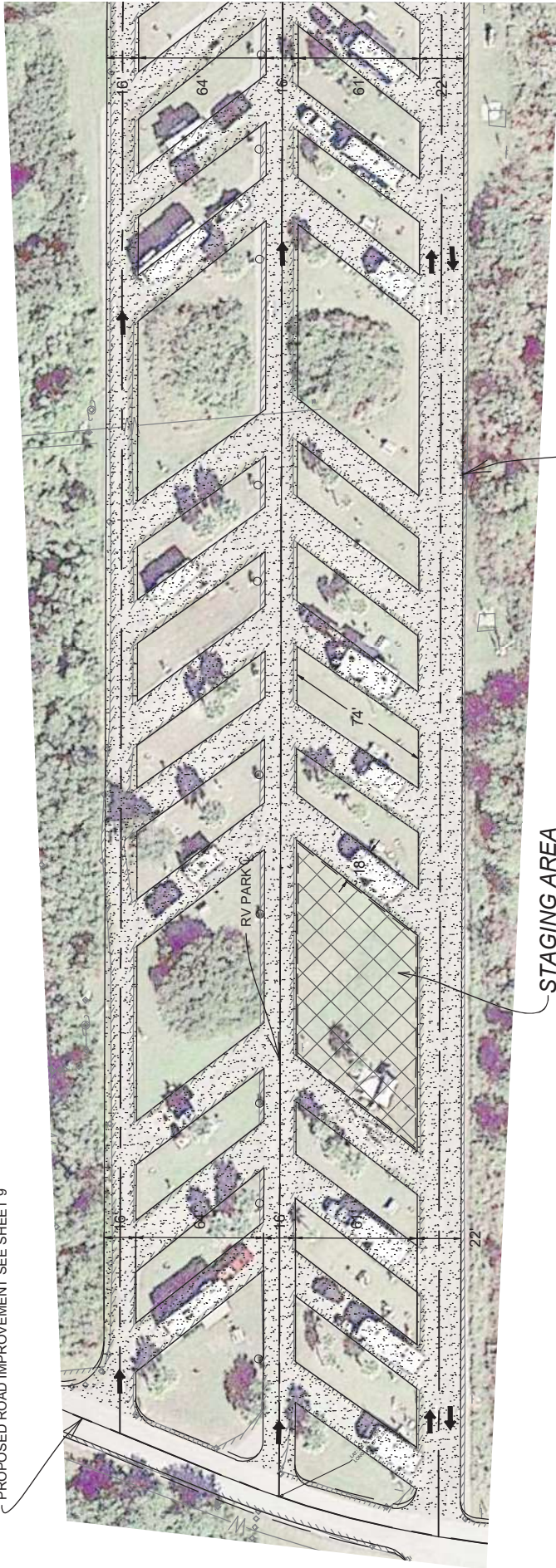
APPROVED BY: MM

SHEET 23 OF 32

RV PARK



PROPOSED ROAD IMPROVEMENT SEE SHEET 9



EXISTING RV PARK ROAD AND RV PARKING SPACE TO BE RESURFACED

STAGING AREA



NOTE: PROPOSED IMPROVEMENTS TO THE RV PARK WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING PARK

APPLICATION BY:

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

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Leah Baker
LA LICENSE NO. 0032287

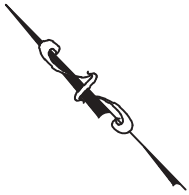


RV PARKING PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

SHEET 24 OF 32



MATCHLINE - SHEET 24

EXISTING RV PARK ROAD AND RV PARKING SPACE TO BE RESURFACED



LENGTH OF RV PARKING = 1,538'
TOTAL AREA RESURFACED = 3.58 ACRES

NOTE: PROPOSED IMPROVEMENTS TO THE RV PARK WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING PARK

APPLICATION BY:

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

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LA LICENSE NO. 0032287



ENGINEERING LLC

RV PARKING PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

DRAWN BY: MJC

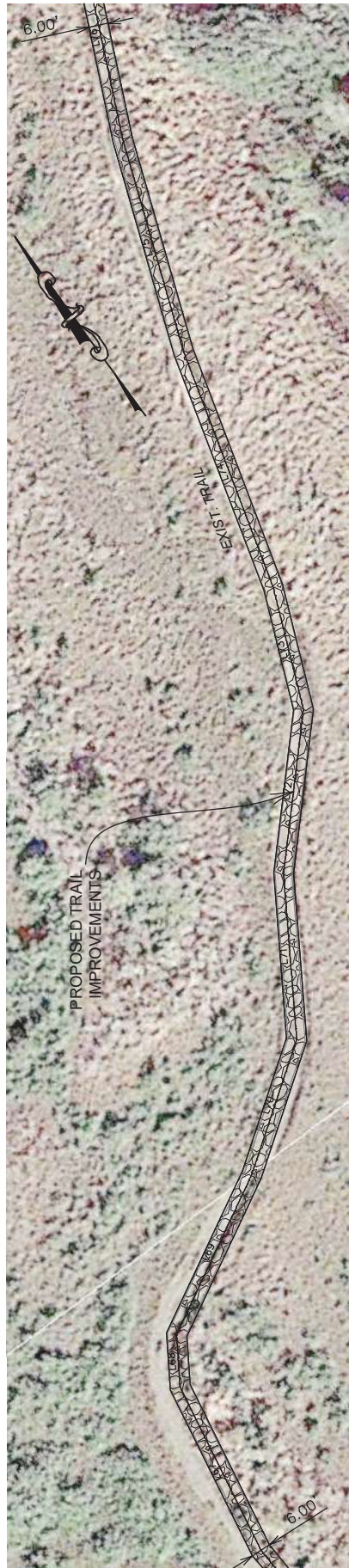
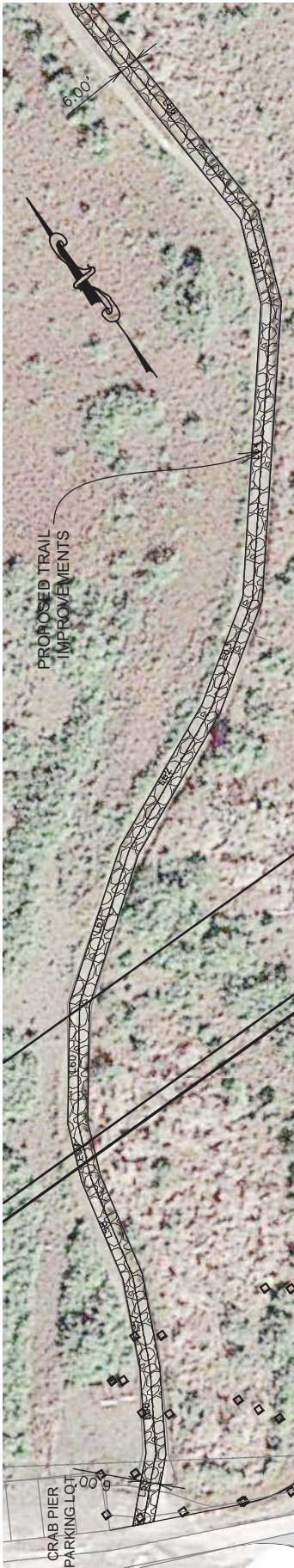
DESIGNED BY: LES

APPROVED BY: MM

SHEET 25 OF 32

MATCHLINE - THIS SHEET

MATCHLINE - SHEET 27



NOTE: PROPOSED IMPROVEMENTS TO THE TRAIL WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING TRAIL

TRAIL IMPROVEMENTS		
NUMBER	DIRECTION	DISTANCE
L48	S45°55'21"W	21.58'
L49	S31°45'06"W	26.08'
L50	S24°53'32"W	28.31'
L51	S12°34'37"W	32.23'
L52	S22°20'19"W	17.15'
L53	S36°23'07"W	35.92'
L54	S53°26'34"W	49.08'
L55	S65°36'29"W	49.73'

TRAIL IMPROVEMENTS		
NUMBER	DIRECTION	DISTANCE
L56	S56°14'47"W	35.46'
L57	S39°14'49"W	89.78'
L58	S21°35'50"W	27.68'
L59	S31°3'41"E	80.72'
L60	S9°14'07"W	55.04'
L61	S31°43'32"W	16.09'
L62	S60°47'10"W	53.52'
L63	S53°59'20"W	43.18'

TRAIL IMPROVEMENTS		
NUMBER	DIRECTION	DISTANCE
L64	S31°06'01"W	50.51'
L65	S42°33'43"W	49.98'
L66	S21°43'36"W	38.10'
L67	S14°49'00"W	76.34'
L68	S19°39'02"W	66.76'
L69	S23°37'36"W	64.35'
L70	S0°32'36"W	34.12'
L71	S15°27'18"E	63.98'

TRAIL IMPROVEMENTS		
NUMBER	DIRECTION	DISTANCE
L72	S0°00'15"E	55.79'
L73	S21°27'33"E	33.18'
L74	S42°59'08"E	42.92'
L75	S22°48'51"E	41.37'
L76	S20°45'13"E	29.98'
L77	S32°34'14"E	28.12'
L78	S55°57'01"E	131.96'
L79	S86°54'46"E	17.53'

TRAIL IMPROVEMENTS		
NUMBER	DIRECTION	DISTANCE
L80	N67°41'39"E	40.49'
L81	N84°32'46"E	16.45'
L82	S46°26'35"E	99.56'
L83	S66°20'13"E	35.65'
L84	S83°38'46"E	32.82'
L85	S70°49'02"E	18.97'
L86	S43°06'19"E	136.88'

APPLICATION BY:
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
Leah Baker
 LA LICENSE NO. 0032287



TRAIL IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

DATE: JUNE 2019

SHEET 26 OF 32

DESIGNED BY: LES

APPROVED BY: MM

DRAWN BY: MJC



MATCHLINE - SHEET 26



MATCHLINE - THIS SHEET



NOTE: PROPOSED IMPROVEMENTS TO THE TRAIL WILL BE CARRIED OUT WITHIN THE LIMITS OF THE EXISTING TRAIL

TOTAL LENGTH OF TRAIL IMPROVEMENTS - 1,867'
 TOTAL AREA OF TRAIL IMPROVEMENTS - 0.26 ACRES

APPLICATION BY:

COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
 Leah Saeger
 L.A. LICENSE NO. 0032287



ENGINEERING LLC

TRAIL IMPROVEMENT PLAN

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

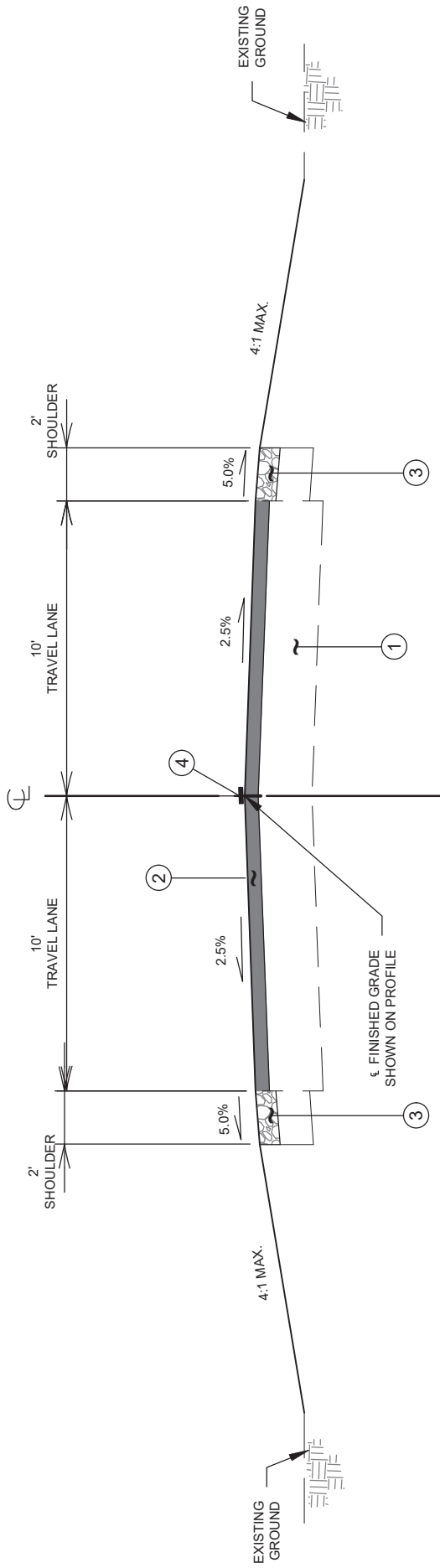
DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

DATE: JUNE 2019

SHEET 27 OF 32

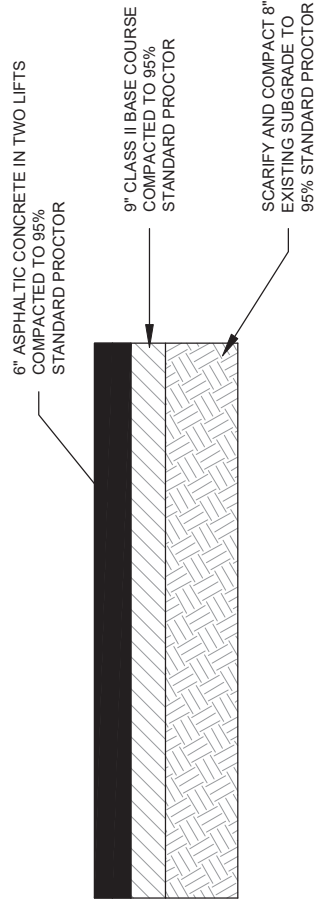


GENERAL NOTES:

1. ALL DIMENSIONS SHOWN ARE DESIGN DIMENSIONS AND SHALL BE FOLLOWED TO THE NEAREST PRACTICAL LIMITS IF TOLERANCES ARE NOT OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

**PARK ROAD
TYPICAL SECTION - OVERLAY (N.T.S)**

- 1 EXISTING PAVEMENT STRUCTURE TO REMAIN
- 2 3" MIN ASPHALTIC CONCRETE OVERLAY
- 3 6" AGGREGATE SHOULDER
- 4 PAVEMENT STRIPING & MARKERS



**FULL DEPTH PATCHING/ REPLACEMENT PAVEMENT SECTION *
N.T.S.**

*PAVEMENT SECTIONS PRELIMINARY DESIGN
PENDING GEOTECHNICAL INVESTIGATION

APPLICATION BY:
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450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

FOR PERMIT APPLICATION ONLY
Leah Baker
LA LICENSE NO. 0032287



ROAD IMPROVEMENT TYPICAL CROSS SECTION

GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK

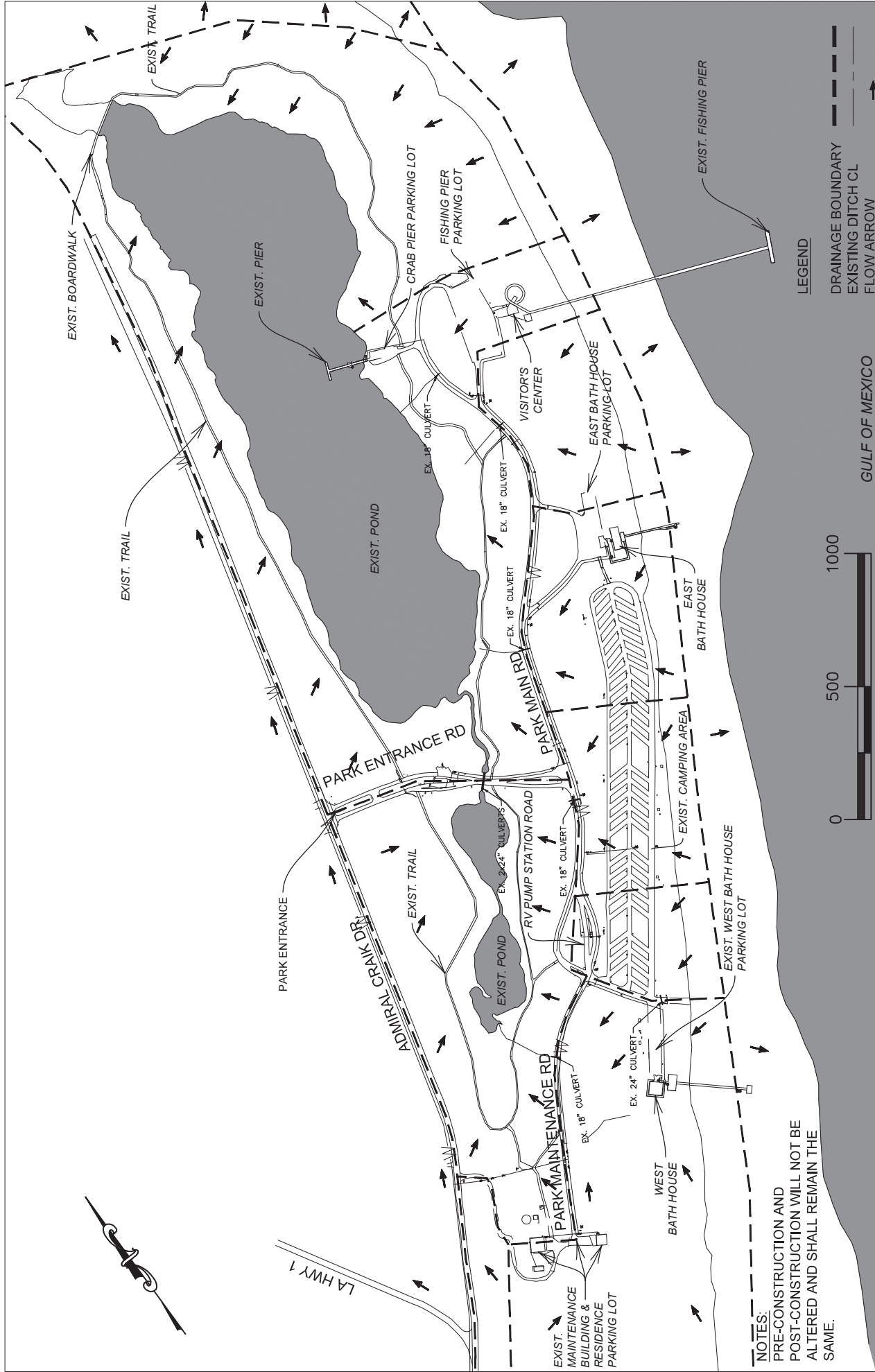
DATE: JUNE 2019

DRAWN BY: MJC

DESIGNED BY: LES

APPROVED BY: MM

SHEET 28 OF 32



NOTES:
 PRE-CONSTRUCTION AND
 POST-CONSTRUCTION WILL NOT BE
 ALTERED AND SHALL REMAIN THE
 SAME.

GULF OF MEXICO



LEGEND

- DRAINAGE BOUNDARY
- EXISTING DITCH CL
- FLOW ARROW



**FOR PERMIT
 APPLICATION ONLY**

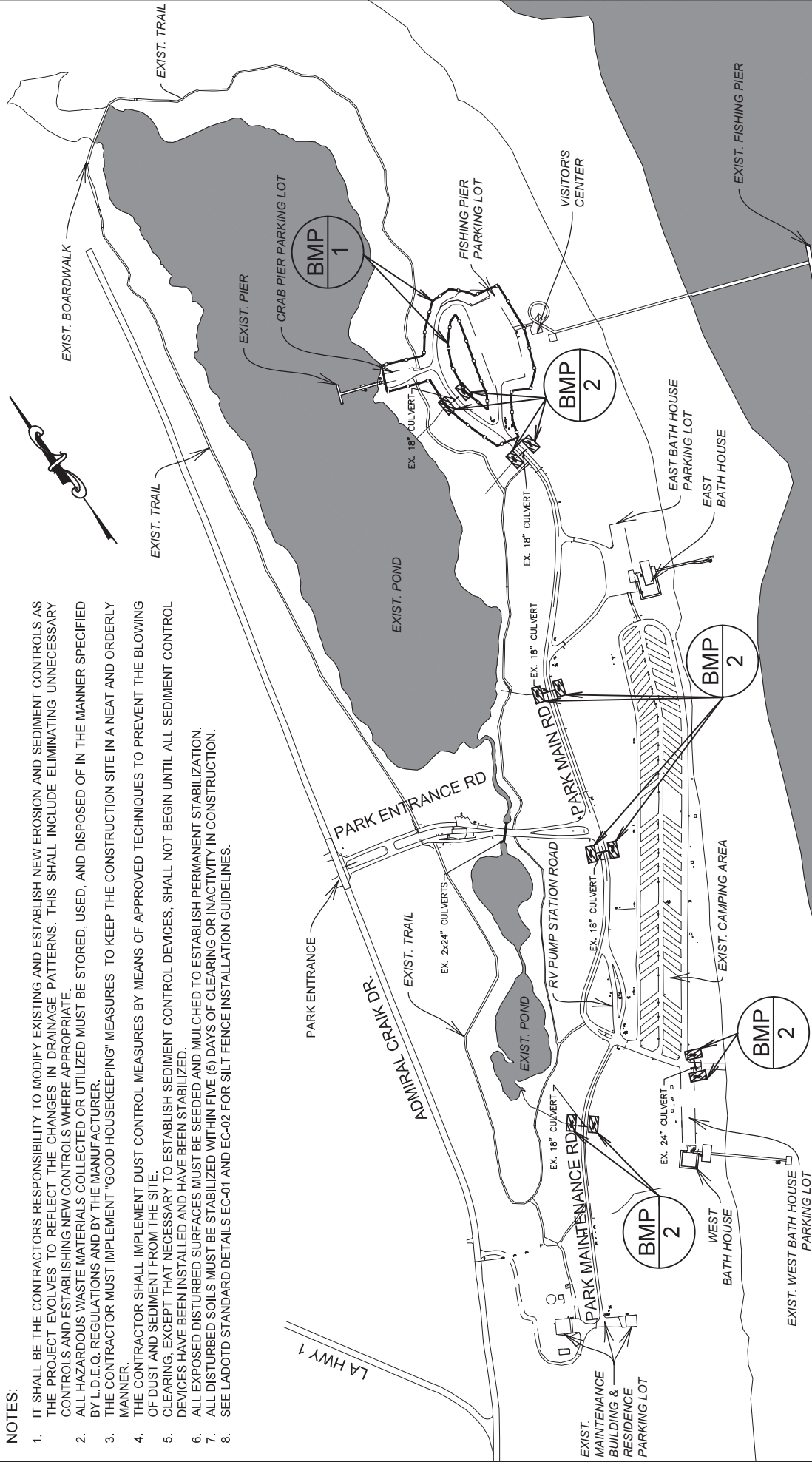
Leah Sabin
 L.A. LICENSE NO. 0032287

APPLICATION BY:
**COASTAL PROTECTION AND
 RESTORATION AUTHORITY**
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

EXISTING/PROPOSED DRAINAGE MAP - PLAN VIEW
 GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK
 DATE: JUNE 2019

NOTES:

1. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MODIFY EXISTING AND ESTABLISH NEW EROSION AND SEDIMENT CONTROLS AS THE PROJECT EVOLVES TO REFLECT THE CHANGES IN DRAINAGE PATTERNS. THIS SHALL INCLUDE ELIMINATING UNNECESSARY CONTROLS AND ESTABLISHING NEW CONTROLS WHERE APPROPRIATE.
2. ALL HAZARDOUS WASTE MATERIALS COLLECTED OR UTILIZED MUST BE STORED, USED, AND DISPOSED OF IN THE MANNER SPECIFIED BY L.D.E.O. REGULATIONS AND BY THE MANUFACTURER.
3. THE CONTRACTOR MUST IMPLEMENT "GOOD HOUSEKEEPING" MEASURES TO KEEP THE CONSTRUCTION SITE IN A NEAT AND ORDERLY MANNER.
4. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES BY MEANS OF APPROVED TECHNIQUES TO PREVENT THE BLOWING OF DUST AND SEDIMENT FROM THE SITE.
5. CLEARING, EXCEPT THAT NECESSARY TO ESTABLISH SEDIMENT CONTROL DEVICES, SHALL NOT BEGIN UNTIL ALL SEDIMENT CONTROL DEVICES HAVE BEEN INSTALLED AND HAVE BEEN STABILIZED.
6. ALL EXPOSED DISTURBED SURFACES MUST BE SEEDED AND MULCHED TO ESTABLISH PERMANENT STABILIZATION.
7. ALL DISTURBED SOILS MUST BE STABILIZED WITHIN FIVE (5) DAYS OF CLEARING OR INACTIVITY IN CONSTRUCTION.
8. SEE LADOTD STANDARD DETAILS EC-01 AND EC-02 FOR SILT FENCE INSTALLATION GUIDELINES.



STORMWATER SOIL EROSION CONTROL BMP'S

BMP NUMBER	BMP NAME
1	SILT FENCE
2	STRAW BALE

LEGEND

SILT FENCE

0 500 1000

GULF OF MEXICO

<p>APPLICATION BY:</p> <p>COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	<p>FOR PERMIT APPLICATION ONLY</p> <p><small>Leah Sabin L.A. LICENSE NO. 0032287</small></p>		<p>STORMWATER MANAGEMENT BMP - PLAN VIEW</p> <p>GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK</p> <p>DATE: JUNE 2019</p> <p>SHEET 31 OF 32</p>
<p>DRAWN BY: MJC</p> <p>DESIGNED BY: LES</p> <p>APPROVED BY: MM</p>			

ADDITIONAL NOTES

1. In order to ensure the safety of all parties, the permittee shall contact the Louisiana One Call System (1-800-272-3020) a minimum of 48 hours prior to the commencement of any excavation (digging, dredging, jetting, etc.) or demolition activity.
2. The piping plover (*Charadrius melodus*) may occur within one mile of the project area. This species is federally listed as threatened with its critical habitat designated along the Louisiana coast. Piping plovers winter in Louisiana feeding at intertidal beaches, mudflats, and sand flats with sparse emergent vegetation. Primary threats to this species are destruction and degradation of winter habitat, habitat alteration through shoreline erosion, woody species encroachment of lake shorelines and riverbanks, and human disturbance of foraging birds. For more information on piping plover critical habitat, visit the U.S. Fish and Wildlife website: <http://endangered.fws.gov>. The rufa subspecies of red knot (*Calidris canutus rufa*) may occur within one mile of the project area. Federally listed as threatened, the rufa red knot may be found in coastal Louisiana throughout the year, with the greatest number of knots migrating through each spring. Red knots forage on intertidal beaches, mudflats, marsh edges, and sand flats with sparse emergent vegetation. Primary threats to this species are anthropogenic destruction and degradation of nonbreeding habitat and food resources, habitat loss from shoreline erosion and subsidence, and human disturbance of foraging birds. For more information on the rufa red knot, visit the U.S. Fish and Wildlife website: <http://endangered.fws.gov>. No other impacts to rare, threatened or endangered species or critical habitats are anticipated from the proposed project. The Wildlife Diversity Program (WDP) reports summarize the existing information known at the time of the request regarding the location in question. WDP reports should not be considered final statements on the biological elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. If at any time WDP tracked species are encountered within the project area, please contact our biologist at 225-765-2643.
3. The permittee shall properly install adequate erosion/siltation control measures around construction areas that require land based earthwork (i.e. excavation and/or deposition of fill materials, land contouring, machinery rutting, fill maneuvering and redistribution, etc.) to aid in preventing project related sediments, debris, and other pollutants from entering adjacent wetlands. Acceptable measures include but are not limited to the proper use and positioning of temporary silt fences, straw bales, fiber/core logs, wooden barriers, seeding or sodding of exposed soils, or other approved EPA construction site storm-water runoff control and best management practices. Control techniques shall be installed prior to the commencement of earthwork activities and maintained until the project is complete and/or the subject areas are stabilized.

APPLICATION BY: COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801			ADDITIONAL NOTES GRAND ISLE STATE PARK IMPROVEMENTS PHASE 1 - CIVIL SITE WORK DATE: JUNE 2019
DRAWN BY: MJC	DESIGNED BY: LES	APPROVED BY: MM	SHEET 32 OF 32

1. Activities authorized under this general permit shall not be used for piecemeal work and shall be applied to single and complete projects. All components of a single and complete project shall be treated together as constituting one single and complete project. All planned phases of multi-phased projects shall be treated together as constituting one single and complete project. This general permit shall not be used for any activity that is part of an overall project for which an individual permit is required.
2. No activity is authorized under this general permit which may adversely affect significant cultural resources listed or eligible for listing in the National Register of Historic Places until the requirements for Section 106 of the National Historic Preservation Act are met. Upon discovery of the presence of previously unknown historic and/or prehistoric cultural resources, all work must cease and the permittee must notify the State Historic Preservation Office and the Corps of Engineers. The authorization is suspended until it is determined whether or not the activity will have an adverse effect on cultural resources. The authorization may be reactivated or modified through specific conditions if necessary, if it is determined that the activity will have no adverse effect on cultural resources. The PGP authorization will be revoked if it is determined that cultural resources would be adversely affected, and an individual permit may be necessary.
3. There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein. The permittee will, at his or her expense, install and maintain any safety lights, signals, and signs prescribed by the United States Coast Guard, through regulations or otherwise, on authorized facilities or on equipment used in performing work under the authorization.
4. No activity may substantially disrupt the movement of those species of aquatic life indigenous to the water body, including those species which normally migrate through the area, unless the activity's primary purpose is to block or impound water.
5. If the **authorized** activity involves the installation of aerial transmission lines, submerged cable, or submerged pipelines across navigable waters of the United States the following is applicable:

The National Ocean Service (NOS) has been notified of this authorization. You must notify NOS and this office in writing, at least two weeks before you begin work and upon completion of the activity authorized by this permit. Your notification of completion must include a drawing which certifies the location and configuration of the completed activity (a certified permit drawing may be used). Notification to NOS will be sent to the following address: National Ocean Service, Office of Coast Survey, N/CS261, 1315 East West Highway, Silver Spring, Maryland 20910-3282.

6. For pipelines under an anchorage or a designated fairway in the Gulf of Mexico the following is applicable: The NOS has been notified of this authorization. You must notify NOS and this office in writing, at least two weeks before you begin work and upon completion of the activity authorized by this permit. Within 30 days of completion of the pipeline, 'as built' drawings certified by a professional engineer registered in Louisiana or by a registered surveyor shall be furnished to this office, the Commander (dpw), Eighth Coast Guard District, Hale Boggs Federal Building, 500 Poydras Street, Room 1230, New Orleans, Louisiana 70130, and to the Director, National Ocean Service, Office of Coast Survey, N/CS261, 1315 East West Highway, Silver Spring, Maryland 20910-3282. The plans must include the location, configuration and actual burial depth of the completed pipeline project.

7. If the **authorized** project, or future maintenance work, involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.) in the waterway, you are advised to notify the Eighth Coast Guard District so that a Notice to Mariners, if required, may be prepared. Notification with a copy of your permit approval and drawings should be mailed to the Commander (dpw), Eighth Coast Guard District, Hale Boggs Federal Building, 500 Poydras Street, Room 1230, New Orleans, Louisiana 70130, about 1 month before you plan to start work. Telephone inquiries can be directed to the Eighth Coast Guard District, Waterways Management at (504) 671-2107.

8. All activities authorized herein shall, if they involve, during their construction or operation, any discharge of pollutants into waters of the United States, be at all times consistent with applicable water quality standards, effluent limitations and standards of performance, prohibitions, pretreatment standards and management practices established pursuant to the Clean Water Act (PL 92-500:86 Stat 816), or pursuant to applicable state and local laws.

9. Substantive changes to the Louisiana Coastal Resources Program may require immediate suspension and revocation of this permit in accordance with 33 CFR 325.7.

10. Irrespective of whether a project meets the other conditions of this permit, the Corps of Engineers retains discretionary authority to require an individual Department of the Army permit when circumstances of the proposal warrant this requirement.

11. Any individual authorization granted under this permit may be modified, suspended, or revoked in whole or in part if the Secretary of the Army or his authorized representative determines that there has been a violation of any of the terms or conditions of this permit or that such action would otherwise be in the public interest.

12. The Corps of Engineers may suspend, modify, or revoke this general permit if it is found in the public interest to do so.

13. Activities proposed for authorization under the PGP must comply with all other necessary federal, state, and/or local permits, licenses, or approvals. Failure to do so would result in a violation of the terms and conditions of PGP.

14. The permittee shall permit the District Commander or his authorized representative(s) or designee(s) to make periodic inspections of the project site(s) and disposal site(s) if different from the project site(s) at any time deemed necessary in order to assure that the activity being performed under authority of this permit is in accordance with the terms and conditions prescribed herein.

15. This general permit does not convey any property rights, either in real estate or material, or any exclusive privileges; and it does not authorize any injury to property or invasion of rights or any infringement of federal, state, or local laws or regulations nor does it obviate the requirements to obtain state or local assent required by law for the activity authorized herein.

16. In issuing authorizations under this permit, the federal government will rely upon information and data supplied by the applicant. If, subsequent to the issuance of an authorization, such information and data prove to be false, incomplete, or inaccurate, the authorization may be modified, suspended, or revoked, in whole or in part.

17. For activities resulting in sewage generation at the project site, such sewage shall be processed through a municipal sewage treatment system or, in areas where tie-in to a municipal system is not practical, the on-site sewerage system must be approved by the local parish sanitarian before construction.

18. Any modification, suspension, or revocation of the PGP, or any individual authorization granted under this permit, will not be the basis for any claim for damages against the United States.

19. Additional conditions deemed necessary to protect the public interest may be added to the general permit by the District Commander at any time. If additional conditions are added, the public will be advised by public notice. Individual authorizations under the PGP may include special conditions deemed necessary to ensure minimal impact and compliance with the PGP.

20. The PGP is subject to periodic formal review by MVN and OCM in coordination with the Environmental Protection Agency, US Fish and Wildlife Service, the National Marine Fisheries Service, and the Louisiana Department of Wildlife and Fisheries. Comments from reviewing agencies will be considered in determination as to whether modifications to the general permit are needed. Should the District Commander make a determination not to incorporate a change proposed by a reviewing agency, after normal negotiations between the respective agencies, the District Commander will explain in writing to the reviewing agency the basis and rationale for his decision.

21. CEMVN retains discretion to review the PGP, its terms, conditions, and processing procedures, and decide whether to modify, reissue, or revoke the permit. If the PGP is not modified or reissued within 5 years of its effective date, it automatically expires and becomes null and void.

22. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

23. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party as described in Special Condition 25 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

24. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

25. If you sell the property associated with this permit, you must provide this office with a copy of the permit and a letter noting your agreement to transfer the permit to the new owner and the new owner's agreement to accept the permit and abide by all conditions of the permit. This letter must be signed by both parties.

26. Many local governing bodies have instituted laws and/or ordinances in order to regulate dredge and/or fill activities in floodplains to assure maintenance of floodwater storage capacity and avoid disruption of drainage patterns that may affect surrounding properties. Your project involves dredging and/or placement of fill; therefore, you must contact the local municipal and/or parish governing body regarding potential impacts to floodplains and compliance of your proposed activities with local floodplain ordinances, regulations or permits.

27. In issuing authorizations under this permit, the federal government does not assume any liability for: damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest; damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit, and; design or construction deficiencies associated with the permitted work.