SITEWORK PLANS

FOR THE

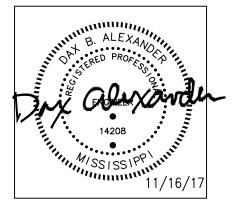
LYMAN BOAT MAINTENANCE YARD

HARRISON COUNTY, MISSISSIPPI

PREPARED FOR THE

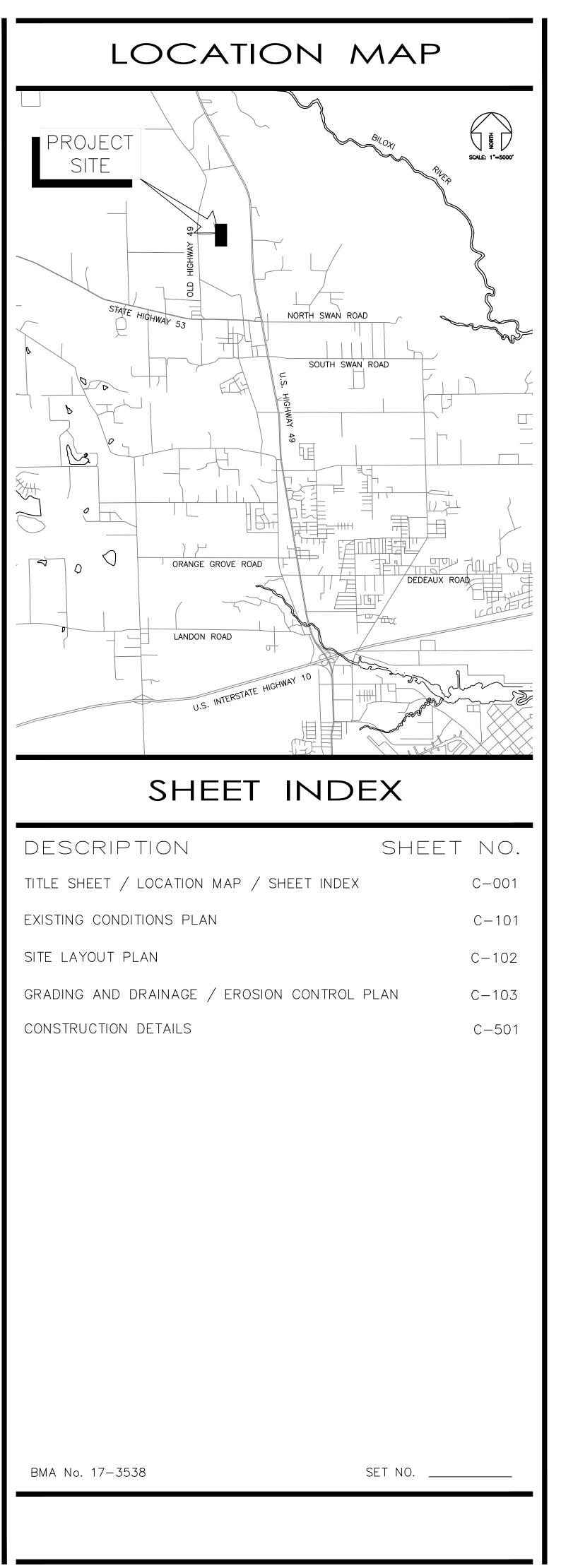


1141 BAYVIEW AVENUE BILOXI, MISSISSIPPI 39530 228-374-5000 (PH) 228-374-5005 (FAX)



NOVEMBER, 2017





ELEVATION BENCHMARK VERTICAL DATUM: NAVD-88,EPOC 2009.55 BASED ON NGS MARK 49V9A

| BM-1 | DESCRIPTION | BM-2 | DESCRIPTION | | |
|-------|---------------|-------|-----------------------------|--|--|
| • | F=369225 0857 | • | CORNER OF EXISTING CONCRETE | | |
| ELEV. | | ELEV. | N.369269.46 F.89473.64 | | |
| 60.95 | | 66.08 | 12.00470.04 | | |
| | | | | | |

LEGEND

| • | = computed point | SCB | = | Southcentral Bell box | ٠ | = | conc. monument f |
|-----------|-----------------------|------------|---|--------------------------|------------|---|----------------------|
| 0 | = iron rod/pipe found | 1 | = | telephone manhole | • | = | conc. monument s |
| • | = iron rod set | c/o | = | clean out | OHE | = | existing overhead |
| \otimes | = X-mark found | S | = | sanitary sewer manhole | ✡ | = | light pole |
| | = X-mark set | (| = | drainage manhole | ဉ် | = | service/power pole |
| ⊖ | = Pk nail found | M | = | manhole | • | = | guy wire |
| • | = fence post found | DII | = | drainage inlet | FR | _ | electric box |
| 0 | = bolt found | نک | | a. aagoot | | | CICCUIC DOX |
| | = axle found | \ddot{x} | = | fire hydrant | Ε | = | electric meter |
| A | = RR spike found | W | = | water meter | (E) | = | electric manhole |
| Δ | = RR spike set | (W) | = | well | \wedge | = | existing cellular to |
| | | icv | = | irrigation control valve | \bigcirc | , | # of parking space |
| | | G | = | gas meter | | | |
| | | | | | | | |

GENERAL NOTES:

- 66.59 EOC

66.57 EOC

APPROX. LOCATION OF

EXIST. SEWER SERVICE

(FIEL® VERIFY J®) PREVENT DAMAGE) -

PRE-MANUFACTURED -

BUILDING

66.43 EOC -

GRAVEL/ DRIVE

WASHDOWN

EXISTING 1 STORY METAL STRUCTURE FF=66.75

EXISTING 1 STORY METAL STRUCTURE FF=66.62

COND.

EDGE OF GRAVEL

- APPROX. LOCATION OF

EXIST, SEPTIC TANK & FIELD DRAIN LINES (FIELD VERIFY TO

PREVENT DAMAGE)

- 1. CONTRACTOR IS RESPONSIBLE FOR HAVING UTILITIES LOCATED PRIOR TO ANY DIGGING OR EXCAVATION ACTIVITIES. CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT EACH PRIVATE UTILITY ENCOUNTERED AND COORDINATE ADJUSTMENTS AND/OR UTILITY RELOCATIONS WITH UTILITY OWNERS. ANY DAMAGES TO UTILITIES
- OWNER OR HIS REPRESENTATIVE. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THE INFORMATION IS COMPLETE OR ACCURATE THE CONTRACTOR SHALL PERFORM A PRELIMINARY INVESTIGATION TO DETERMINE THE EXACT LOCATION OF UTILITY LINES BEFORE EXCAVATION OPERATIONS AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES, WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- 3. CONTRACTOR VERIFICATION BEFORE UNDERTAKING EACH PART OF THE WORK, THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE PLANS AND SPECIFICATIONS AND CHECK AND VERIFY PERTINENT FIGURES SHOWN THEREON AND ALL APPLICABLE FIELD MEASUREMENTS. IF ANY CONFLICTS, ERRORS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED EITHER ON THE CONSTRUCTION DOCUMENTS OR IN THE FIELD CONDITIONS. THE CONTRACTOR SHALL PROMPTLY REPORT IN WRITING TO THE ENGINEER AND SHALL OBTAIN A WRITTEN INTERPRETATION OR CLARIFICATION FROM THE ENGINEER BEFORE PROCEEDING WITH ANY WORK AFFECTED THEREBY.
- 4. PERMITTING THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS/APPROVALS FROM FEDERAL, STATE, AND LOCAL GOVERNING AGENCIES AND ENSURE THAT ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS/GUIDELINES ARE FOLLOWED.
- 5. DEBRIS DISPOSAL CONTRACTOR SHALL DISPOSE OFF-SITE ALL MISCELLANEOUS TRASH & DEBRIS FROM ALL AREAS WITHIN THE LIMITS OF WORK AT THE END OF EACH DAY. ALL SUCH WORK AND DISPOSAL SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.

UTILITY ADJUSTMENT AND RELOCATION NOTE:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING THE APPROPRIATE FITTINGS, EQUIPMENT, AND LABOR TO MAKE ALL ADJUSTMENTS AND/OR RELOCATIONS TO UTILITY APPURTENANCES. ALL COSTS WILL BE ABSORBED IN THE UNIT PRICE BID FOR THE ADJUSTMENT. THE CONTRACTOR SHALL COORDINATE WITH THE CITY FOR ADJUSTMENT AND RELOCATIONS. THE CONTRACTOR SHALL VERIFY MATERIAL OF ALL EXISTING UTILITIES DESIGNATED FOR ADJUSTMENT OR RELOCATION.

THE CONTRACTOR SHALL CALL THE MISSISSIPPI DAMAGE PREVENTION NUMBER (1-800-227-6477) by LAW to Locate all existing utilities on site prior TO HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITIES UNDER THIS CONTRACT AND BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO UTILITIES THAT RESULT FROM CONTRACTOR'S WORK.



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DATE BY

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TENANCE: MARINE RESO AT MAI

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MAN

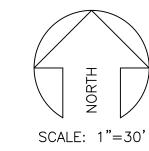
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_N=369073.69 E=894607.27

E=894477.66

N=369082.69_ E=894476.51



LAYOUT NOTES:

- 1. EXACT INSTALLATION LOCATION OF IMPROVEMENTS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE PRIOR TO THE CONSTRUCTION OF THE IMPROVEMENTS.
- 2. PAVEMENT TIE-IN WHEN INSTALLING NEW PAVEMENT OR PAVEMENT REPAIR, CONTRACTOR SHALL MATCH EXISTING ADJACENT PAVEMENT IN GRADE AND ALIGNMENT.

<u>LEGEND</u>





610 LIMESTONE PAVING



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PROPOSED HYDROSEED

DATE BY

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BOAT MAINTENANCE YARD DEPARTMENT OF MARINE RESOURCES

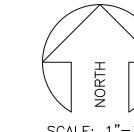
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DATE

SCALE



ELEVATION BENCHMARK VERTICAL DATUM: NAVD-88,EPOC 2009.55 BASED ON NGS MARK 49V9A

| BROED ON NOO WINNEY TOVOR | | | | | |
|---------------------------|--------------------------------|--|--|--|--|
| BM-1 | DESCRIPTION | | | | |
| ① | 1/2" IRON ROD SET | | | | |
| ELEV. | N=894865.4855 E=369225.0857 | | | | |
| 60.95 | E=309223.0837 | | | | |
| | | | | | |
| BM-2 | DESCRIPTION | | | | |
| | | | | | |

CORNER OF EXISTING CONCRETE N.369269.46 ELEV. E.89473.64 66.08

DRAINAGE NOTES:

- 1. ALL GRADES SHOWN ARE PROPOSED TOP OF PAVEMENT, TOP OF CURB, OR AT-GRADE SPOT ELEVATIONS UNLESS NOTED OTHERWISE.
- 2. TOP ELEVATIONS OF INLETS AND BOXES ARE APPROXIMATE. FINAL GRADES SHALL BE FIELD DETERMINED BY THE ENGINEER OR AN AUTHORIZED REPRESENTATIVE. INVERT ELEVATIONS MAY BE ADJUSTED DUE TO OBSTRUCTION FOUND DURING EXCAVATION OPERATIONS. ADDITIONAL PAYMENT WILL NOT BE MADE FOR ADJUSTMENTS TO BOX SIZES TO FIT FIELD CONDITIONS.
- 3. NO IMPROVEMENT SHALL INTERFERE OR BLOCK DRAINAGE INCLUDING, BUT NOT LIMITED TO: CURB, SIDEWALK, LANDSCAPE AREAS, LIGHTING, ETC.
- 4. SEE GRADING & DRAINAGE PLANS AND DRAINAGE DETAILS FOR ADDITIONAL INFORMATION.

EROSION CONTROL NOTES:

- 1. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH ALL MATERIALS AND PERFORM ALL WORK FOR THE PROPER INSTALLATION, MAINTENANCE AND REMOVAL OF TEMPORARY EROSION CONTROL MEASURES 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.
- 2. THE PLACEMENT OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS) SHALL BE IN ACCORDANCE WITH THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY PLANNING AND DESIGN MANUAL FOR THE CONTROL OF EROSION, SEDIMENT AND STORMWATER.
- 3. SILT FENCES SHALL BE INSTALLED AROUND ALL STOCKPILED MATERIALS.
- 4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION CONTROLS THROUGHOUT THE DURATION OF THE PROJECT.
- 5. TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL NOT BE REMOVED UNTIL THE AREA IS STABILIZED AS APPROVED BY THE ENGINEER.
- 6. ALL EQUIPMENT REPAIR AND MAINTENANCE SHALL BE PERFORMED OFFSITE.
- 7. 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.
- 8. SANITARY FACILITIES SHALL BE PROVIDED ON-SITE FOR ALL EMPLOYEES, UNLESS APPROVED OTHERWISE BY THE ENGINEER.
- 9. TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF ANY WORK IN THE AREA. IF IT WILL BE REQUIRED TO REMOVE THEM TEMPORARILY DUE TO CONSTRUCTION ACTIVITIES, ONCE THOSE ACTIVITIES ARE COMPLETED OR AT THE END OF THE WORK DAY, THE TEMPORARY CONTROLS SHALL BE REINSTALLED IMMEDIATELY.
- 10. ALL EROSION CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS.
- 11. ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE DEEMED NECESSARY IF THE CONTROLS INSTALLED ARE FOUND TO BE INEFFECTIVE.
- 12. 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.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT THAT MIGRATES INTO THE STORM DRAIN SYSTEM.
- 14. 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.
- 15. ANY SEDIMENT THAT HAS MIGRATED OFFSITE WHETHER ONTO PUBLIC OR PRIVATE PROPERTY SHALL BE REMOVED IMMEDIATELY UPON DISCOVERY. THE SOURCE OF THE BREACH SHALL IMMEDIATELY BE LOCATED AND CORRECTED.

SITE EARTHWORK AND GRADING

BORROW MATERIAL WILL CONSIST OF MDOT CLASS 9, GROUP B, REQUIREMENTS OF THE MDOT SPECIFICATIONS.

BORROW MATERIAL SHALL BE PLACED IN NINE (9) INCH LIFTS AND COMPACTED TO NINETY-FIVE PERCENT (95%) STANDARD DENSITY.

ANY TOPSOIL STOCKPILED FROM SITE SHALL BE USED TO PLATE FINISHED SLOPE.

AREAS OF DISTURBED GROUND WHERE GRANULAR SURFACE MATERIAL IS NOT BEING INSTALLED SHALL BE HYDROSEEDED.

APPROPRIATE MEASURES SHALL BE MADE BY THE CONTRACTOR TO ENSURE THAT FINISHED GRADES CONFORM WITHIN A REASONABLE TOLERANCE OF THE PLANS.

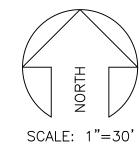
GRANULAR COURSE (LIMESTONE)

THE GRANULAR SURFACE MATERIAL SHALL BE DENSE-GRADED CRUSHED DOMESTIC LIMESTONE, PLANT MIXED TO CONFORM TO SIZE NO. 610, MDOT SPECIFICATIONS.

THE SPECIFIED DENSITY SHALL BE 95% STANDARD DENSITY.

THE FOUNDATION ON WHICH GRANULAR MATERIAL WILL BE LAID SHALL BE PREPARED BY CONTRACTOR TO THE LINES AND GRADES ESTABLISHED IN THE PLANS AND COMPACTED TO NINETY-FIVE PERCENT (95%) STANDARD DENSITY.

PRIOR TO FINAL ACCEPTANCE, ALL IRREGULARITIES, DEPRESSIONS, SOFT SPOTS, AND OTHER DEFICIENCIES FOUND BY ENGINEER SHALL BE CORRECTED BY CONTRACTOR TO MEET THE REQUIREMENTS OF THESE SPECIFICATIONS, WITHOUT ADDITIONAL COMPENSATION TO CONTRACTOR.



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