OLD RIVER FARM SUBDIVISION
DESOTO COUNTY, MISSISSIPPI

STORM WATER POLLUTION PREVENTION PLAN

April 1, 2022

SITE INFORMATION

This project consists of construction of a 72 lot residential neighborhood. The area that will be disturbed is 28.16 acres. The site has slopes ranging from 2% to 10% slopes that are moderately erodible. The site has no stream crossings flowing through the site. The site is located near the intersection of College Road and HWY 305, Desoto County, Olive Branch, MS. This grading plan is only for preliminary purposes and not to be used for construction. A revised erosion control plan will be submitted to further illustrate the location of the erosion control measures more accurately that will be used during construction. The project will have City of Olive Branch Sewer and plans will be provided when construction plans are complete.

CONTROLS

Vegetative Controls: A 15-foot undisturbed buffer will be maintained around the entire perimeter of the site except where the site meets the asphalt roads. Along the asphalt roads, structural controls shall be used. There shall be a 25' buffer along all jurisdictional streams, and a double silt fence shall be installed along said jurisdictional streams. Existing trees will be preserved where possible. Soil stabilization-vegetative stabilization measures must be initiated whenever any clearing, grading, grubbing, excavating, or other land disturbing activities have temporarily or permanently ceased on any portion of the site and will not resume for a period of fourteen (14) calendar days or more. The appropriate temporary or permanent vegetative practices shall be initiated immediately. For purposes of this permit, "immediately is interpreted to mean no later than the next workday. Topsoil should be stockpiled and used in areas that will be re-vegetated. When final grade is reached the stockpiled topsoil shall be redistributed to a minimum depth of 2 inches on 3:1 slopes and 4 inches on flatter slopes. Heavy equipment use in areas to be re-vegetated should be avoided. If compaction cannot be avoided, the top 4 inches of the soil bed should be tilled before re-vegetation. Any necessary fertilizer or other soil amendments should be added during the tilling process. All disturbed areas will be permanently seeded after final grading within seven days of completion.

Structural Controls: A limestone construction entrance will be constructed at the entrance to the site off of College Road and any accumulation of mud on vehicle tires shall washed off, if needed, during muddy conditions. Wattles will be placed along the downstream end of all culverts to lower the velocity. Silt fence and wattles shall be placed at every inlet until final grading of the entire site is complete. A sediment basin with an outlet controlled discharge will be constructed near the Southwest corner of the property (drainage area: 12.38 acres). Storm water will be directed to these basins with the assistance of diversions and grassed waterways. Accumulated sediment shall be removed from structural controls when sediment deposits reach 1/3 to ½ the height of the control. A silt fence shall be placed around the above mentioned stockpile of topsoil. Non-functioning controls shall be repaired, replaced, or supplemented with functional controls within 24 hours of discovery or as soon as field conditions allow.

Housekeeping Practices: The owner or operator shall designate and report in the SWPPP areas for equipment maintenance and repair and concrete chute wash off, provide waste receptacles and regular collection of waste; provide adequately maintained sanitary facilities; provide protected storage areas for chemicals, paints, solvents, fertilizers, pesticides, herbicides, detergents, and other potentially toxic materials; and implement spill and leak prevention practices and response procedures if spills and leaks do occur; minimize the exposure of building products, construction waste, trash and landscape materials. The owner or operator shall be responsible for the following :

Removal of any sediment and other debris that has been tracked from the site or deposited from the site onto streets and other paved surfaces.

Removal of sediment or other pollutants that have accumulated in or near any sediment control measures, storm water conveyance channels, storm drain inlets, or water course conveyance within the construction site.
Removal of accumulated sediment that has been trapped by sediment control measures at the site, in accordance with applicable maintenance requirements covered under this permit.

Clearing and demolition debris shall be hauled off site to be disposed of at the appropriate corresponding locations.

Excess sediment shall be removed from areas where accumulation has occurred and dispersed throughout the site.

Construction, domestic, hazardous, and toxic waste are not anticipated in this phase.

Sanitary waste will be collected from the portable units a minimum of three times per week by a licensed sanitary waste management collector, as required by local regulation.

IMPLEMENTATION SEQUENCE

1.) Construction entrances shall be completed prior to any clearing and grubbing.

2.) Silt Fence around perimeter of property in the specified areas according to the erosion control plan is to be installed before clearing and grubbing.

3.) Install sediment basins with needed riprap.

4.) Clearing and grubbing of site can commence once these BMP's are in place throughout the site.

5.) Rough grading of the site

6.) Construction of diversion and drainage ways

7.) Stockpiling of topsoil and necessary silt fence surrounding the stockpile

8.) Installation of culverts with inlet/outlet protection

9.) Plant necessary temporary vegetation on disturbed areas

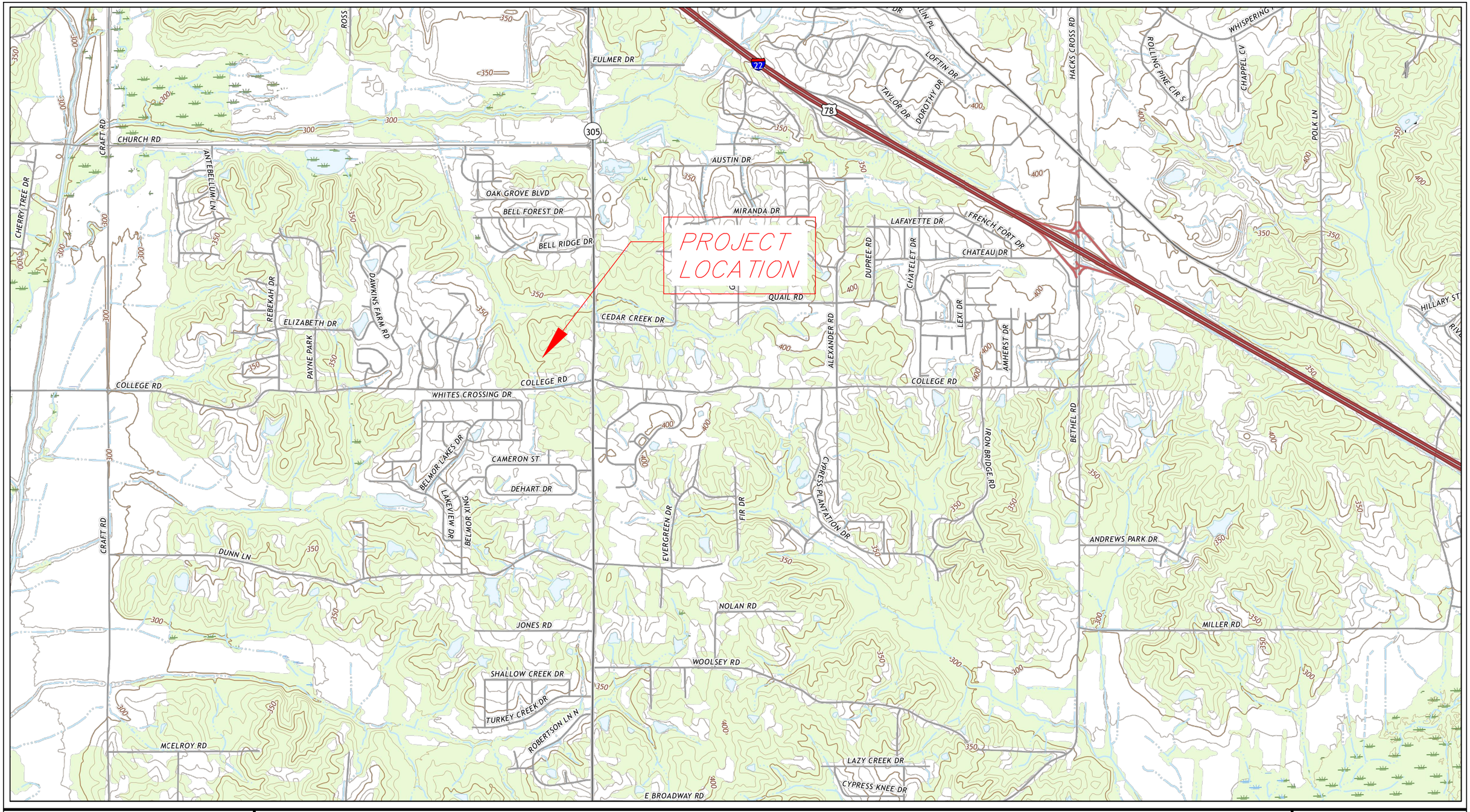
10.) Construct homes and driveways

11.) Finish slopes around homes smooth slopes and vegetate as necessary

12.) After site is stabilized, remove all temporary measures, vegetating these areas, and install proper detention basin.

MAINTENANCE PLAN

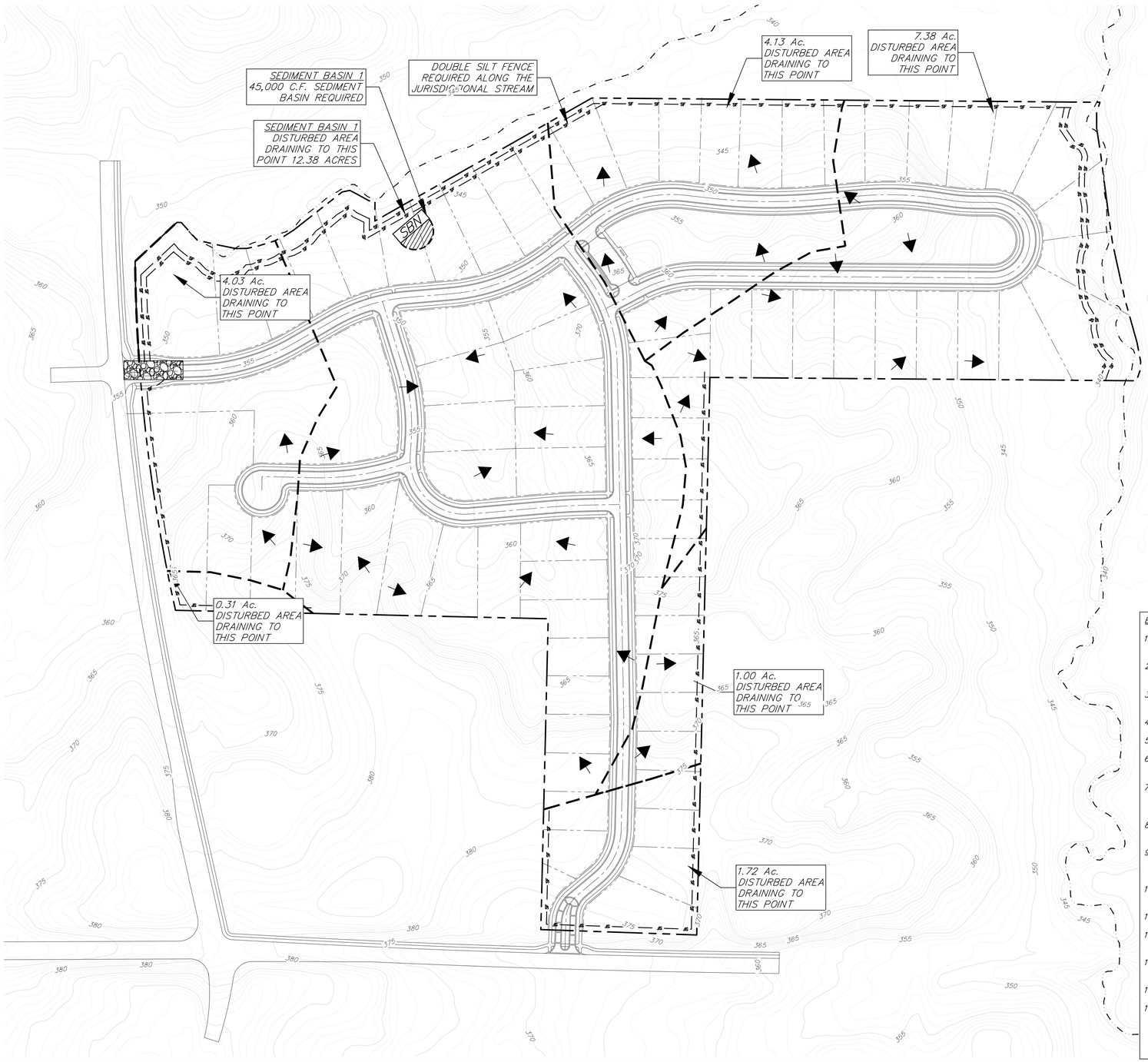
All disturbed areas and erosion and sediment controls will be checked after each significant rainfall but not less than once per week. Any necessary repairs will be made to these controls within 24 hours of discovery. Any changes to the plan shall be approved by the engineer. Remove sediment from inlet protection devices, and silt fences when accumulated sediment has reached 50 percent capacity of said erosion control structure. Replace non-functional silt fence. Maintain all vegetated areas to provide proper ground cover- reseed, fertilize, and mulch as needed.



Civil Link

OLD RIVER FARM SUBDIVISION
USGS QUAD MAP

SHEET
1 OF 1



GRAPHIC SCALE

0 100' 200'

(IN FEET)

1" = 100'

NOTES:

1. PLEASE SEE SWPPP NARRATIVE FOR MAINTENANCE PLAN AND OTHER EROSION CONTROL REQUIREMENTS.
2. A 15' VEGETATIVE BUFFER IS TO REMAIN AROUND PROPERTY BOUNDARY, EXCEPT WHERE BOUNDARY MEETS ASPHALT ROADWAYS. APPROPRIATE BMP'S SHALL BE INSTALLED IN SAID AREAS.

LEGEND

- EXISTING FLOW DIRECTION
- EXISTING CONTOURS
- DELINEATED DRAINAGE AREAS
- SILT FENCE
- CONSTRUCTION ENTRANCE
- TYPE D SEDIMENT BASIN REQUIRED (SEE MDOT DETAIL 6126) — SBN
- WATTLES
- JURISDICTIONAL STREAM

EROSION CONTROL NOTES:

1. THE PURPOSE OF THIS EROSION CONTROL PLAN IS TO PREVENT SILTATION AND OTHER POLLUTANTS, DUE TO CONSTRUCTION, FROM ENTERING ADJACENT STREAMS AND PROPERTIES.
2. CLEARING AND GRUBBING IS TO BE HELD TO A MINIMUM NECESSARY TO ACCOMMODATE SLOPES. UNNECESSARY CANOPY REMOVAL (TREES, SHRUBS, ETC.) IS PROHIBITED.
3. MAINTAIN ALL GROUND COVER WHEREVER POSSIBLE, ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT TO RECEIVE PAVING SHALL BE SEEDED OR SODDED AS SOON AS POSSIBLE.
4. ALL DITCHES AND FRESH CUTS IN DRAINAGE WAYS SHALL BE STABILIZED WITH HYDRO-MULCH SEEDING WHERE INDICATED ON PLAN.
5. TO REDUCE SEDIMENT IN RUNOFF, EROSION CONTROL MEASURES SHALL BE INSTALLED PROMPTLY DURING ALL CONSTRUCTION PHASES.
6. SITE EROSION CONTROLS SHALL BE CHECKED AND IF NECESSARY, REPAIRED WEEKLY AND WITHIN 24 HOURS AFTER EACH RAINFALL GREATER THAN 0.5". IN THE EVENT OF CONTINUOUS RAINFALL EROSION CONTROLS SHALL BE CHECKED DAILY.
7. DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT STRUCTURAL COMPONENTS OF EROSION CONTROL STRUCTURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE STRUCTURES AT THE CONTRACTOR'S EXPENSE.
8. ALL AREAS TO REMAIN BARE GREATER THAN 14 DAYS MUST BE TEMPORARILY STABILIZED. ALL SLOPES 3:1 OR GREATER MUST BE TEMPORARILY STABILIZED.
9. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT RUN-OFF. ALL COST FOR SEDIMENT REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
10. UPON COMPLETE REMOVAL OF SEDIMENT TRAPS, SPECIAL DITCHES, ETC. THE AREA WHERE THEY WERE CONSTRUCTED IS TO BE TOP SOILED AND SEEDED OR SODDED.
11. ALL STOCKPILES TO BE CONTAINED BY SILT FENCE IN ORDER TO PREVENT SEDIMENT RUNOFF FROM ENTERING NEARBY STREAMS.
12. SHOULDERS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED AGAINST EROSION. SILTATION MEASURES SHALL BE IMPLEMENTED PROMPTLY TO REDUCE THE SEDIMENT IN RUN-OFF FROM THE CONSTRUCTION SITE.
13. EQUIPMENT STAGING AND MAINTENANCE AREAS SHALL BE DEVELOPED A SUFFICIENT DISTANCE FROM STREAMS TO ENSURE THAT OIL, GASOLINE, AND OTHER PETROLEUM POLLUTANTS DO NOT ENTER THE WATERWAYS.
14. FAILURE TO MAINTAIN GOOD EROSION CONTROL MEASURES COULD RESULT IN A FINE BEING ISSUED TO THE CONTRACTOR.
15. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL DEVICES IN GENERAL CONFORMANCE TO THE EROSION CONTROL PLAN. THE EROSION CONTROL DEVICES ARE PROVIDED TO INDICATE MINIMUM EROSION CONTROL MEASURES REQUIRED OF THE CONTRACTOR AND DOES NOT TAKE INTO ACCOUNT THE CONTRACTOR SEQUENCE OF CONSTRUCTION. ADDITIONAL EROSION CONTROL MEASURES SHALL BE UNDERTAKEN BY THE CONTRACTOR AS REQUIRED TO MINIMIZE IMPACTS TO ADJACENT PROPERTIES AND THE DRAINAGE SYSTEM DOWNSTREAM OF THE SITE AT NO ADDITIONAL COST.

JON MARK, LLC

OLD RIVER FARMS SUBDIVISION

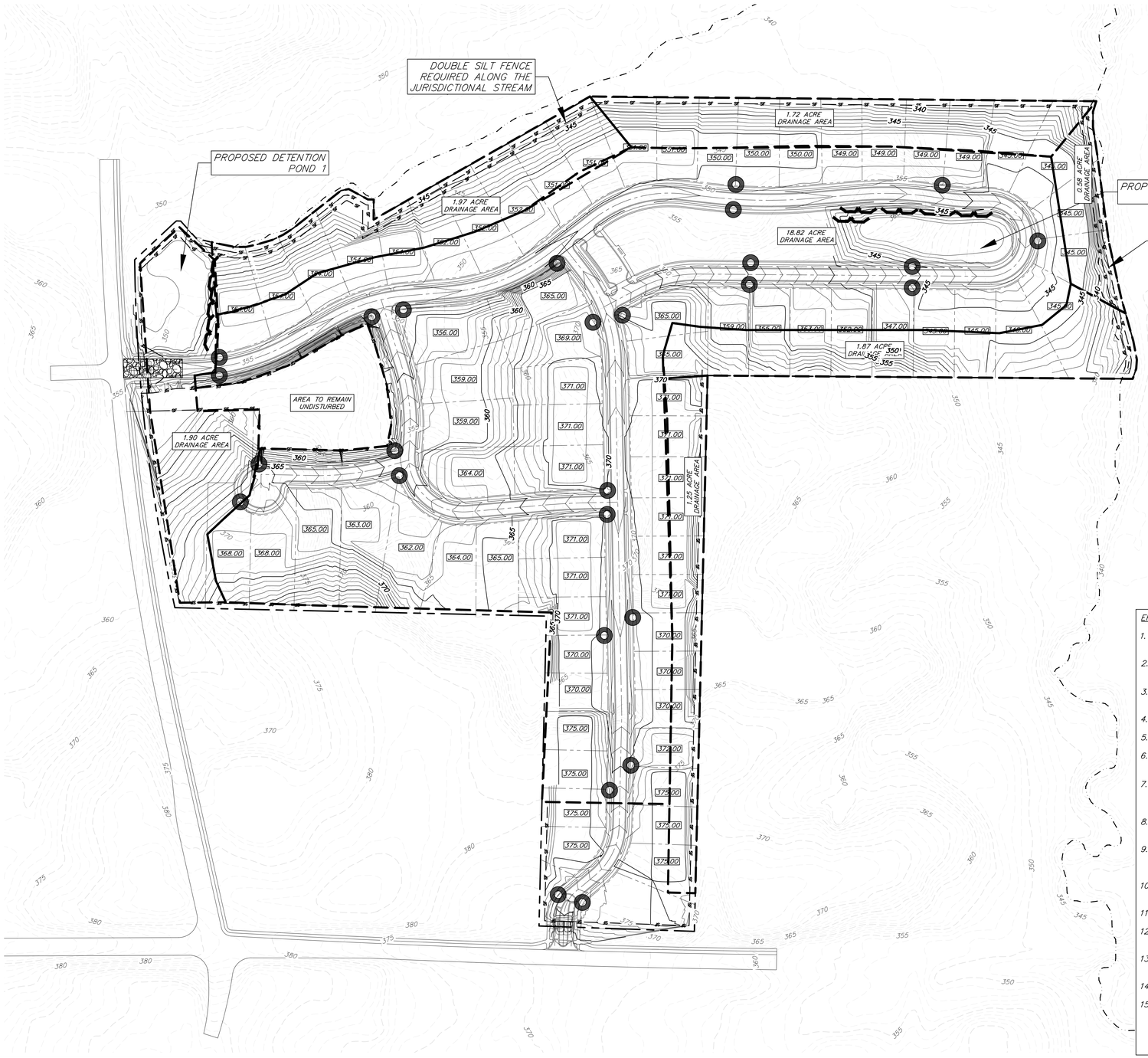
REVISIONS				DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	C-L PROJECT NO.: 220225	
				SCALE: 1" = 100'	
				SURVEYED BY: N/A	
				DSGN: NSK	DATE: 03/22
				DRWN: SCG	DATE: 03/22
				CHKD: NSK	DATE: 03/22

OLD RIVER FARMS SUBDIVISION
DESOTO COUNTY, MS
JON MARK LLC

Civil Link
"Connecting Resources"

CLEARING AND GRUBBING EROSION CONTROL PLAN

WORKING NUMBER:	DRAWING NUMBER:
ECP-1	1



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NOTES:

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LEGEND

- EXISTING FLOW DIRECTION
- EXISTING CONTOURS
- DRAINAGE AREAS
- PROPOSED CONTOURS
- SILT FENCE
- CONSTRUCTION ENTRANCE
- INLET PROTECTION
- WATTLES
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OLD RIVER FARMS SUBDIVISION
DESOTO COUNTY, MS
JON MARK LLC

Civil Link
"Connecting Resources"

INTERIM GRADING EROSION CONTROL PLAN

WORKING NUMBER: ECP-1

DRAWING NUMBER: 1

OLD RIVER FARMS SUBDIVISION

Old River Farm Subdivision SWPPP Sediment Basin Calculations

Drainage Area = 12.38 Acres

Min. Volume of Basin @ 3600 cf/acre

61.82 acres X 3600 cf/acre = 44,568

Basin Area = 11,250 sq. ft @ ’ depth

Pond Volume = 45,000 cf

45,000 cf > 44,568 cf ✓ ok

Michael Watson
SECRETARY OF STATE

This is not an official certificate of good standing.

Name History

Name	Name Type
Jonmark Development Properties, LLC	Legal

Business Information

Business Type:	Limited Liability Company
Business ID:	1319101
Status:	Good Standing
Effective Date:	01/11/2022
State of Incorporation:	Mississippi
Principal Office Address:	NO PRINCIPAL OFFICE ADDRESS FOUND

Registered Agent

Name

Bridgforth, Buntin & Emerson, PLLC
5293 Getwell Road
Southaven, MS 38672

Officers & Directors

Name	Title
Dudley B. Bridgforth 5293 Getwell Road Southaven, MS 38672	Organizer