Woolmarket Professional Plaza 13061 Shriners Blvd., Suite D Biloxi, Mississippi 39532 Office (228) 392-1638 Cell (228) 860-8161 dennis@dsaeng.net

October 5, 2025

Mississippi Office Of Pollution Control Municipal Permit Compliance Section 515 E Amite St. Jackson, MS 39201

Re:

Creekwood Estates (aka Huger Eglin) Subdivision (223 lots)

Jackson County

COE No. SAM-2022-00552-APS

WQC No.

### Gentlemen:

Attached is one (1) set of drainage construction plans for the above referenced consisting of the Erosion Control, Drainage and Detention Basin Details which includes the Storm Water Pollution Prevention Plan and Lot Maintenance Plan along with the post-construction elevations, grades and construction details. Also attached is the "Large Construction Notice of Intent (LCNOI)" for the Storm Water NPDES permit for your review and concurrence along with the OPC Information Form and WJCUD 'Will Serve' letter confirming WJCUD and JCUA will serve the project with water and wastewater.

Thank you for your assistance and please let us know if you have any questions or if any additional information is needed.

Yours very truly,

Dennis Stieffel, P.E.

President

Enc.

292-3.wpd



## MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ) Large Construction Storm Water General Permit NPDES Permit MSR10

# LARGE CONSTRUCTION FORMS PACKAGE

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These standard forms are used to apply for permit coverage under the Large Construction Storm Water General Permit and for submittals and record keeping required by permit conditions after coverage has been granted. The forms are on our website at <a href="www.deq.state.ms.us/MDEQ.nsf/page/epd\_epdgeneral">www.deq.state.ms.us/MDEQ.nsf/page/epd\_epdgeneral</a>. Required information can be completed on screen, printed and signed.

Revised: 12/06/16

AI: 82682 MSR109674



Rec'd via email: 10/05/2025

## LARGE CONSTRUCTION NOTICE OF INTENT (LCNOI) FOR COVERAGE UNDER THE LARGE CONSTRUCTION STORM WATER GENERAL NPDES PERMIT

### **INSTRUCTIONS**

The Large Construction Notice of Intent (LCNOI) is for coverage under the Large Construction General Permit for land disturbing activities of five (5) acres or greater; or for land disturbing activities, which are part of a larger common plan of development or sale that are initially less than five (5) acres but will ultimately disturb five (5) or more acres. Applicant must be the owner or operator. For construction activities, the operator is typically the prime contractor. The owner(s) of the property and the prime contractor associated with regulated construction activity on the property have joint and severable responsibility for compliance with the Large Construction Storm Water General Permit MSR10.

If the company seeking coverage is a corporation, a limited liability company, a partnership, or a business trust, attach proof of its registration with the Mississippi Secretary of State and/or its Certificate of Good Standing. This registration or Certificate of Good Standing must be dated within twelve (12) months of the date of the submittal of this coverage form. Coverage will be issued in the company name as it is registered with the Mississippi Secretary of State.

Completed LCNOIs should be filed at least thirty (30) days prior to the commencement of construction. Discharge of storm water from large construction activities without written notification of coverage is a violation of state law.

### Submittals with this LCNOI must include:

- A site-specific Storm Water Pollution Prevention Plan (SWPPP) developed in accordance with ACT5 of the General Permit
- A detailed site-specific scaled drawing showing the property layout and the features outlined in ACT5 of the General Permit
- A United States Geological Survey (USGS) quadrangle map or photocopy, extending at least one-half mile beyond the facility property boundaries with the site location and outfalls outlined or highlighted. The name of the quadrangle map must be shown on all copies. Quadrangle maps can be obtained from the MDEQ, Office of Geology at 601-961-5523.

### Additional submittals may include the following, if applicable:

- Appropriate Section 404 documentation from U.S. Army Corps of Engineers
- Appropriate documentation concerning future disposal of sanitary sewage and sewage collection system construction
- Appropriate documentation from the MDEQ Office of Land & Water concerning dam construction and low flow requirements
- Approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties

ALL QUESTIONS MUST BE ANSWERED (Answer "NA" if the question is not applicable)

APPLICANT IS THE:	✓ OWNER □	PRIME CONTRACTOR		
	OWNER CONT	FACT INFORMATION		
OWNER CONTACT PERSON:	Tim Henning, Mem	nber		
OWNER COMPANY LEGAL N	NAME: Grantman M	S, LLC		
OWNER STREET OR P.O. BO				
OWNER CITY: Mandeville		STATE: LA	ZIP: 704	147
OWNER PHONE #: (985)	73-5288 c	STATE: LA  OWNER EMAIL: henningtr@a	aol.com	
		R CONTACT INFORMAT		
PRIME CONTRACTOR CONT	TACT PERSON: TBD			
		STATE:		
		PRIME CONTRACTOR EMAIL		
	FACILITY S	ITE INFORMATION		
FACILITY SITE NAME: Creek				
FACILITY SITE ADDRESS (If	FACILITY SITE NAME: Creekwood (aka Huger Eglin) Subdivision (223 lots)  FACILITY SITE ADDRESS (If the physical address is not available, please indicate the nearest named road. For linear projects indicate the beginning of the project and identify all counties the project traverses.)			
STREET: Creekwood (ak	ka Huger Eglin) Subdivis	sion (223 lots)		
		sion (223 lots)  COUNTY: Jackson	ZIP:	39564
FACILITY SITE TRIBAL LAN				
		LONGITUDE: 88 degrees 47		ds
LAT & LONG DATA SOURCE	GPS (Please GPS Project En	trance/Start Point) or Map Interpolation):	Google Earth	
TOTAL ACREAGE THAT WIL	LL BE DISTURBED 1:_	70 acres		
IS THIS PART OF A LARGER	COMMON PLAN OF I	DEVELOPMENT?	YES $\square$	NO 🗹
IF YES, NAME OF LARGER O AND PERMIT COVERA	COMMON PLAN OF DE GE NUMBER: MSR10_	EVELOPMENT:		
ESTIMATED CONSTRUCTIO	N PROJECT START D	ATE:	2026-01-01 <u>YYYY-MM-DD</u>	
ESTIMATED CONSTRUCTIO	N PROJECT END DAT	E:	2029-01-01 YYYY-MM-DD	
DESCRIPTION OF CONSTRU	CTION ACTIVITY: Si	ingle-family residential subdivisi	on (223 lots)	
PROPOSED DESCRIPTION O Single-family residential subdivis	F PROPERTY USE AF sion (223 lots)	TER CONSTRUCTION HAS BE	EN COMPLETED:	
SIC Code 1 6 2 3	NAICS Code 2 2 1 3	0 0		

NEAREST NAMED RECEIVING STREAM: Bayou Talla			
IS RECEIVING STREAM ON MISSISSIPPI'S 303(d) LIST OF IMPAIRED WATER BODIES? (The 303(d) list of impaired waters and TMDL stream segments may be found on MD http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section)	YES☑ EQ's web site:	NO□	
HAS A TMDL BEEN ESTABLISHED FOR THE RECEIVING STREAM SEGMENT?	YES☑	$_{ m NO}\square$	
ARE THERE RECREATIONAL STREAMS, PRIVATE/PUBLIC PONDS OR LAKES WITHIN ½ MILE DOWNSTREAM OF PROJECT BOUNDRY THAT MAY BE IMPACTED IN ACTIVITY?	YES□ BY THE CONS	NO ☑ FRUCTION	
<b>EXISTING DATA DESCRIBING THE SOIL (for linear projects please describe in SWPPP):</b> sandy clay			
WILL FLOCCULANTS BE USED TO TREAT TURBIDITY IN STORM WATER?	YES□	NO☑	
IF YES, INDICATE THE TYPE OF FLOCCULANT.   ANIONIC POLYACRYLIS  OTHER			
IF YES, DOES THE SWPPP DESCRIBE THE METHOD OF INTRODUCTION, THE LOCATAND THE LOCATION OF WHERE FLOCCULATED MATERIAL WILL SETTLE?	TION OF INTRO YES □	ODUCTION NO	

 $<sup>^{1}</sup>$ Acreage for subdivision development includes areas disturbed by construction of roads, utilities and drainage. Additionally, a housesite of at least 10,000 ft<sup>2</sup> per lot (entire lot, if smaller) shall be included in calculating acreage disturbed.

DOCUMENTATION OF COMPLIANCE WITH OTHER REGULATIONS/REQUIREMENTS COVERAGE UNDER THIS PERMIT WILL NOT BE GRANTED UNTIL ALL OTHER REQUIRED MDEQ PERMITS AND APPROVALS ARE SATISFACTORILY ADDRESSED

IS LCNOI FOR A FACILITY THAT WILL REQUIRE OTHER PI	ERMITS?	YES 🗹	NO □
IF YES, CHECK ALL THAT APPLY:   AIR HAZAR	RDOUS WASTE	PRETREATME	NT
$\square$ WATER STATE OPERATING $\square$ INDIVIDUAL	NPDES	OTHER: COE W	etlands Permit
IS THE PROJECT REROUTING, FILLING OR CROSSING A W. OF ANY KIND? (If yes, contact the U.S. Army Corps of Engineers)		YES □ ermitting requirer	NO ☑ nents.)
IF THE PROJECT REQUIRES A CORPS OF ENGINEER SECTION THAT:	ON 404 PERMIT, PROVI	DE APPROPRIA	TE
• The project has been approved by individual permit, or			
The work will be covered by a nationwide permit and NO NO	TIFICATION to the Corp	os is required, or	
The work will be covered by a nationwide or general permit a	and NOTIFICATION to th	e Corps is require	ed
IS A LAKE REQUIRING THE CONSTRUCTION OF A DAM BEI (If yes, provide appropriate approval documentation from MDEQ C		YES □ Dam Safety.)	NO 🗹
IF THE PROJECT IS A SUBDIVISION OR A COMMERCIAL DE BE DISPOSED? Check one of the following and attach the pertinen	EVELOPMENT, HOW W. t documents.	ILL SANITARY S	SEWAGE
Existing Municipal or Commercial System. Please attach planassociated "Information Regarding Proposed Wastewater Pro Hancock, Harrison, Jackson, Pearl River and Stone Counties. If the of LCNOI submittal, MDEQ will accept written acknowledge collection and treatment that the flows generated from the properly. The letter must include the estimated flow.	ojects" form or approval for e plans and specifications of ment from official(s) respo	rom County Utility can not be provide onsible for wastew	Authority in ed at the time ater
☐ Collection and Treatment System will be Constructed. Please permit from MDEQ or indicate the date the application was s	attach a copy of the cover ubmitted to MDEQ (Date:	of the NPDES dis	charge )
☐ Individual Onsite Wastewater Disposal Systems for Subdivision of General Acceptance from the Mississippi State Department engineer that the platted lots should support individual onsite	t of Health or certification	from a registered	of the Letter professional
☐ Individual Onsite Wastewater Disposal Systems for Subdivision feasibility of installing a central sewage collection and treatment response from MDEQ concerning the feasibility study must be is not feasible, then please attach a copy of the Letter of General certification from a registered professional engineer that the pudisposal systems.	ent system must be made b e attached. If a central col ral Acceptance from the St	y MDEQ. A copy llection and waste tate Department o	of the water system of Health or
INDICATE ANY LOCAL STORM WATER ORDINANCE WITH	WHICH THE PROJECT	MUST COMPLY	7.
n/a			

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Applicant Cowner or prime contractor)

10/5/2025

**Date Signed** 

## Tim Henning

Printed Name<sup>1</sup>

Member, Grantman MS, LLC

Title

<sup>1</sup>This application shall be signed as follows:

- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.
- For a sole proprietorship, by the proprietor.

For a municipal, state or other public facility, by principal executive officer, mayor, or ranking elected official

Please submit the LCNOI form to: Chief, Environmental Permits Division

MS Department of Environmental Quality, Office of Pollution Control

P.O. Box 2261

Jackson, Mississippi 39225

Electronically: https://www.mdeq.ms.gov/construction-stormwater/

Revised 3/23/22

## PRIME CONTRACTOR CERTIFICATION

### LARGE CONSTRUCTION GENERAL PERMIT

Coverage No. MSR10 \_\_ \_ \_ County \_Jackson



(Fill in your Certificate of Coverage Number and County)

By completing and submitting this form to MDEQ, the prime contractor is certifying that (1) they have operational control over the erosion and sediment control specifications (including the ability to make modifications to such specifications) or (2) they have day-to-day operational control of those activities at the site necessary to ensure compliance with the SWPPP and applicable permit conditions.

The owner(s) of the property and the prime contractor associated with regulated construction activity on the property have joint and severable responsibility for compliance with the permit. Notwithstanding any permit condition to the contrary, the coverage recipient and any person who causes pollution of waters of the state or places waste in a location where they are likely to cause pollution of any waters of the state shall remain responsible under applicable federal and state laws and regulations and applicable permits.

### PRIME CONTRACTOR INFORMATION

PRIME CONTRACTOR CONTACT PERSON: TBD	PHONE NUMBER: ()
PRIME CONTRACTOR COMPANY:	
PRIME CONTRACTOR STREET (P.O. BOX):	
PRIME CONTRACTOR CITY:	STATE: ZIP:
E-MAIL ADDRESS:	
OWNER INFORMAT	ION
OWNER CONTACT PERSON:	_ PHONE NUMBER: ()
OWNER COMPANY NAME:	
PROJECT INFORMAT	ΓΙΟΝ
PROJECT NAME: Brookstone Ridge Subdivision (92 lots)	
DESCRIPTION OF CONSTRUCTION ACTIVITY: Single-family res	sidential subdivision (92 lots)
PHYSICAL SITE ADDRESS (If the physical address is not available indicate the beginning of the project and identify all counties the project tr	ate the nearest named road. For linear projects, averses.)
STREET: South Carr Bridge Rd	
CITY: Biloxi COUNTY: Harris	son
I certify that I am the prime contractor for this project and will comply with all the permit. I further certify under penalty of law that this document and all attachment accordance with a system designed to assure that qualified personnel properly gath my inquiry of the person or persons who manage the system, or those persons direct information submitted is, to the best of my knowledge and belief, true, accurate and penalties for submitting false information, including the possibility of fine and improved.	e requirements in the above referenced general NPDES nts were prepared under my direction or supervision in sered and evaluated the information submitted. Based on ottly responsible for gathering the information, the d complete. I am aware that there are significant
Prime Contractor Signature <sup>1</sup>	<b>Date Signed</b>
Tim Henning	Entitlements Mgr, Proj Mgr
Printed Name <sup>1</sup>	Title

<sup>1</sup>This application shall be signed as follows:

- application shall be signed as follows:
  For a corporation, by a responsible corporate officer.
  For a partnership, by a general partner.
  For a sole proprietorship, by the proprietor.
  For a municipal, state or other public facility, by principal executive officer, mayor, or ranking elected official.

This Prime Contractors Certification form shall be submitted to:

Chief, Environmental Permits Division MS Department of Environmental Quality, Office of Pollution Control P.O. Box 2261 Jackson, Mississippi 39225

Revised: 10/25/16

Keep a Copy at the Construction Site and Also Submit this Page to:
Chief, Environmental Permits Division
MS Department of Environmental Quality, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225-2261

# Registration Form for Residential Lot Coverage under Mississippi's Large Construction Storm Water General Permit INSTRUCTIONS



Coverage recipients for residential subdivision construction that do not retain responsibility for permit compliance for individual lots are to furnish this Registration to buyers of individual lots at the time of purchase. In addition, the attached Requirements for Individual Lots in Residential Subdivisions, the Site Inspection and Certification Form and the Large Construction Storm Water General Permit shall also be given to buyers of individual lots at the time of purchase. This form is providing notification to buyers of lots in residential developments, that being part of a "larger common plan of development or sale," coverage is required under Mississippi's Large Construction Storm Water General Permit. To comply with the permit, **the Registration Form must be submitted to MDEQ** at the address listed above and a Storm Water Pollution Prevention Plan (SWPPP) must be developed and implemented to reduce pollutants in storm water discharges during construction activity. **The SWPPP** is **not required to be submitted to MDEQ**. A copy of the SWPPP and Registration Form must be kept at the construction site or locally available (i.e., able to be produced within an hour of being requested by a state or local inspector). See the following attachments for information on SWPPP development. In addition, a copy of the completed Registration Form(s) must be retained by the developer and submitted to the MDEQ when requesting termination of permit coverage. If the buyer or homebuilder sells the lot before a house is built, they must provide this form to the new owner. All questions must be answered. Answer "NA" if the question is not applicable. For further information, contact MDEQ at 601/961-5171 or access our website address: www.deq.state.ms.us/MDEQ.nsf/page/epd\_epdgeneral.

ORGINAL COVERAGE RECIPIENT NAME:	I	BUYER / HOMEBUILDER:	
COMPANY NAME:		COMPANY NAME (IF APPROPRIATE):	
STREET OR P.O. BOX:		STREET OR P.O. BOX:	
CITY: STATE:	ZIP:	CITY: STATE:	ZIP:
PHONE # (INCLUDE AREA CODE):		BUYER PHONE # (INCLUDE AREA CODE):	
RESIDENTIAL SUBDIVISON NAME:			
LARGE CONSTRUCTION STORM WATER F	PERMIT COVER	AGE NUMBER: MSR10:	373-5288
LOT NUMBER(s) (attach an additional sheet if	necessary):	LOT SIZE(s):	
PHYSICAL SITE ADDRESS (IF NOT AVAILA			
· ·		,	
STREET:			
CITY:	COUNTY:	ZIP:	
I certify under penalty of law that this document and all atta designed to assure that qualified personnel properly gathere persons who manage the system, or those persons directly reknowledge and belief, true, accurate and complete. I am aw possibility of fine and imprisonment for knowing violations conditions of Mississippi's Large Construction Storm Water pollution control measures for the purchased lot(s) identifie	d and evaluated the ir esponsible for gatheri vare that there are sign s. As a buyer / homeb r General Permit and i	information submitted. Based on my inquiry of the ing the information, the information submitted is, to inficant penalties for submitting false information, builder, I further certify that I have read and underst	persons or the best of my including the and the terms and
		70 acres	
Original Coverage Recipient Signature <sup>1</sup>		Date Signed	<del></del>
		11/25/2024	
Printed Name		Title	
Buyer / Homebuilder Signature <sup>1</sup>		Date Signed	
Printed Name		 Title	

## REQUIREMENTS FOR LOTS IN RESIDENTIAL SUBDIVISION WHICH ARE COVERED BY THE LARGE CONSTRUCTION STORM WATER GENERAL PERMIT

As a homebuilder on a lot that is part of a regulated subdivision, you are also regulated under the State's storm water regulations and are required to take steps to keep soil and sediment from leaving the lot. When rain falls on exposed soil it can wash away valuable topsoil. It also carries sediment, nutrients and other pollutants into streets, gutters and ditches, where it then travels to lakes, rivers, streams or wetlands. Polluted runoff can cause excessive growth of aquatic weeds and algae and reduce recreational opportunities such as swimming and fishing. Sediment laden runoff can also destroy fish habitat reducing productive fishing opportunities. In addition, sediment-laden runoff can also clog pipes, ditches, streams and basins resulting in increased flooding and maintenance cost. Therefore, the homebuilder is required to minimize off-site damage from soil erosion, sediment leaving the construction site, and poor "housekeeping" practices. This requirement must be accomplished by developing and implementing a Storm Water Pollution Prevention Plan (SWPPP). Some examples of individual lot SWPPPs are attached for your convenience. Sketch the controls on a copy of your site plan. Narrative notes on the site plan may also be used in addition to the erosion control symbols.

In developing and implementing the SWPPP, controls must be used from each control group (vegetative, structural, housekeeping) to prevent erosion and sediment and other pollutants from leaving the site. Commonly used controls include:

### **Vegetative Controls**

**Temporary vegetation** includes annual grasses that sprout quickly such as annual rye, browntop millet, oats, and winter wheat. These grow quickly with little care and can protect the soil from rainfall and act as a filter. They will not provide permanent cover. Permanent cover must be established as indicated below. When a disturbed area will be left undisturbed for fourteen (14) days or more, the appropriate temporary or permanent vegetative practices shall be implemented immediately.

**Mulching** is the placement of hay grass, woodchips, straw, or synthetic material on the soil to provide temporary cover to protect the soil from rain. Mulching may be the only option during the winter when seeding or sodding is not possible. Mulch must stay in place to be effective. Netting, stakes or chemical binders are used to anchor some types of mulch. Be sure to reinstall washed-out mulch and anchor if necessary until permanent cover is established.

**Permanent stabilization** is the establishment of a permanent vegetative cover on disturbed areas using either sod, perennial seed, trees or shrubs. When a disturbed area will be left undisturbed for fourteen (14) days or more, the appropriate temporary or permanent vegetative practices shall be implemented immediately. Silt fences, and other temporary measures must be removed following permanent stabilization.

**Vegetative buffer zones** are undisturbed or planted vegetated areas that are between construction activities and water bodies.

#### **Structural Controls**

**Silt fences** are temporary sediment barriers made of filter fabric buried at the bottom, stretched, and supported by stakes. The silt fence slows runoff and allows it to puddle or pond, so soil and sediment can settle out before leaving the site. The bottom eight to twelve inches of fence must either be sliced in or buried in a trench about four to six inches deep by four to six inches wide. **Silt fences that are not buried are improperly installed. They have no useful function, are a waste of money, and may result in enforcement action**. Stakes must be on the downstream side of the fence and spaced about 3 feet apart. Silt fence must not be installed across streams, ditches, waterways, or other concentrated flow areas. Place fences on the contour or perpendicular to the slope of the hill so that water and sediment will pond behind the fence. **Turn ends uphill** to prevent water going around the end. Install on the downslope, downhill, downstream, or low side of your lot. Keep the fence/barrier in place until grass is established.

**Slope drains** are piping or lined channels that carry storm water downslope without erosion. A good example would be a downspout extender. Extenders may be used to protect temporarily stabilized areas from roof runoff. Extenders can direct water from roof gutters to paved or grassed areas. Remove extenders following permanent stabilization.

Construction entrance/exits are stone stabilized site entrances which reduce sediment tracked onto public roads. Apply gravel or crushed rock to the driveway area and restrict traffic to this one route. Use 3 to 6 inch gravel over a geotextile fabric. At the end of each day sweep or scrape up any soil tracked onto the street. Limit "standard" vehicle access (including workers' vehicles) to only streets and roads, keep vehicles off of future yard areas; limit tracking of mud onto streets by requiring any required vehicles to use designated access drives. Streets are conduits for storm water, it is important to keep mud and sediment off the streets.

**Stockpiles** of sand or soil should be covered with plastic or tarps at the end of each workday, or surrounded with silt fence or haybales. Do not locate a stockpile near a street, storm drain inlet, or ditch.

**Erosion control blankets or mats** are machine-produced mats of straw or other fibers held together with netting that provide temporary or permanent stabilization in critical areas, such as slopes or channels, so that vegetation may be established.

**Storm Drain Inlets** on the lot must be protected by surrounding or covering with a filter material until final stabilization has been achieved.

**Additional Controls:** The above controls are the more common practices used at small construction sites. There are a number of other controls, techniques and manufactured product available. A few examples include hydro seeding, diversion berms, silt dikes and fiber logs. Even something as simple as a tarp or plastic may provide temporary cover for small exposed areas. You may wish to contact an erosion and sediment control specialist, local building official, or MDEQ for further information. In addition, MDEQ has several guidance manuals that may be of assistance and the internet has abundant guidance on construction BMPs.

**Housekeeping Controls:** Pollutants that may enter storm water from construction sites because of poor housekeeping include oils, grease, paints, gasoline, solvents, litter, debris, and sanitary waste. Good housekeeping practices include:

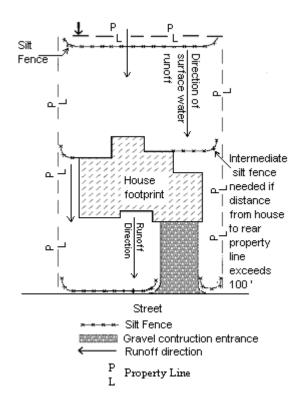
- Frequent cleaning of trash and debris, providing waste receptacles at convenient locations and providing regular collection of waste;
- Directing concrete trucks to the subdivision's designated wash-off area(s) or back to the Ready-Mix facility;
- Providing protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials; and
- Providing adequately maintained sanitary facilities.

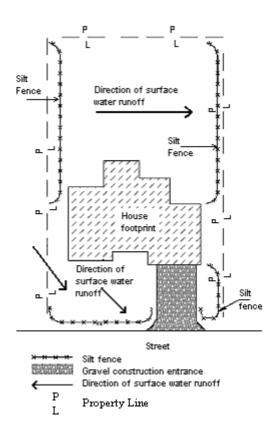
In addition, you should be aware that State air regulations prohibit the open burning of residential solid waste.

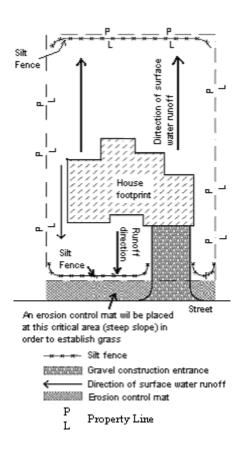
**Inspection Requirements.** Homebuilders shall inspect all erosion controls as often as is necessary, but no less than weekly, to ensure that appropriate erosion and sediment controls have been properly constructed and maintained to prevent erosion and sediment from leaving the site and determine if additional or alternative control measures are required. The inspection results shall be recorded on the Site Inspection and Certification Form contained in the Large Construction Forms Package. MDEQ strongly recommends that homebuilders perform "walk through" inspections daily. It is a responsibility of the homebuilder to install additional and/or alternative erosion and sediment controls when existing controls prove to be ineffective in preventing sediment from leaving the site.

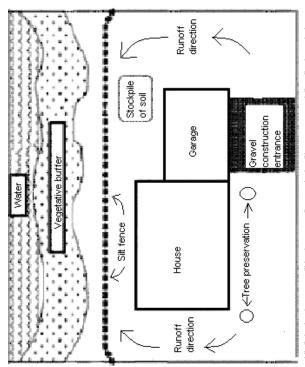
**Retention of Records.** All records, reports, forms and information resulting from activities required by this permit shall be retained for a period of at least three years from the date of the document origin.

**Duty to Comply.** Lot owners must comply with the applicable permit conditions. See Activities 3, 5, 6, 7, 10 and 11 in the Large Construction Storm Water General Permit for applicable conditions. Any noncompliance with the applicable permit conditions and aforementioned conditions including sediment leaving the lot constitutes a violation of the Mississippi Water Pollution Control Law and is grounds for enforcement action. It shall not be an acceptable defense that controls were not installed because subsequent activities would require their replacement or cause their destruction.









All disturbed areas will be temporarily seeded with ryegrass. After final grade has been reached, all disturbed areas will be sodded with bermuda grass.

### Keep a Copy Available at the Permitted Facility or Locally Available Submit the Inspection Reports <u>Only if Requested</u> by the Mississippi Department of Environmental Quality (MDEQ)

# LARGE CONSTRUCTION GENERAL PERMIT SITE INSPECTION AND CERTIFICATION FORM COVERAGE NUMBER (MSR10 \_\_ \_ \_ \_ \_)



#### **INSTRUCTIONS**

Results of construction storm water inspections required by ACT6 of this permit shall be recorded on this report form and kept with the Storm Water Pollution Prevention Plan (SWPPP) in accordance with the inspection documentation provisions of ACT9 of the this permit. Inspections shall be performed at least weekly for a minimum of four inspections per month. The coverage number must be listed at the top of all Inspection and Certification Forms.

	CO	VERAGE RECIPIENT INFO	JRMATION				
OWNER/PRIME CON	TRATOR NAME:						
PROJECT STREET A	DDRESS:						
PROJECT CITY:	PROJECT CITY: PROJECT COUNTY:						
OWNER/PRIME CON	TRACTOR MAILING AI	DDRESS:					
MAILING CITY:		STATE:	ZIP:				
			CT PHONE NUMBER: ()				
		NODE CENON DO CUMENTE	ATTYON				
DATE	TIME	NSPECTION DOCUMENTA ANY DEFICIENCIES?	ATION				
(mo/day/yr)	(hr:min AM/PM)	(CHECK IF YES)	INSPECTOR(S)				
Deficiencies Noted Du	ring any Inspection (give o	date(s); attach additional sheets	s if necessary):				
		( ) ,	37				
Commercial Assistant Tells		N44 - 1 - 1 114 1 - 14 - 16					
Corrective Action Take	en or Planned (give date(s)	); attach additional sheets if he	cessary):				
maintained, except for those	e deficiencies noted above, in a		ify that all erosion and sediment controls have been implemented and illution Prevention Plan (SWPPP) and sound engineering practices as is up to date.				
qualified personnel properly information submitted is, to	gather and evaluate the informa	ation submitted. Based on my inquiry d belief, true, accurate and complete	ction or supervision in accordance with a system designed to assure that of the person or persons responsible for gathering the information, the . I am aware that there are significant penalties for submitting false				
Authorized Signature			Date				
			Member, Grantman MS, LLC				

Title

Printed Name

Revised: 12/10/16

## **MAJOR MODIFICATION FORM** FOR LARGE CONSTRUCTION GENERAL PERMIT Coverage No. MSR10 \_\_\_\_ County \_\_\_\_



### INSTRUCTIONS

(check all that apply). This form	n should be submitted with a modi	onmental Quality at least 30 days in advance of the ded Storm Water Pollution Prevention Plan (SWI wastewater collection and treatment information,	PPP), updated USGS	
SWPPP details have bee	n developed and are ready for MDF	Q review for subsequent phases of an existing, cov	ered project.	
"Footprint" identified in	the original LCNOI is proposed to	e enlarged.		
This form must be signed by the current coverage recipient under Mississippi's Large Construction General Permit. A different developer of new phases of existing subdivisions must apply for separate permit coverage through the submittal of a new complete LCNOI package. Coverage recipients are authorized to discharge storm water associated with proposed expansions of existing subdivisions or subsequent phases, under the conditions of the General Permit, only upon receipt of written notification of approval by MDEQ. All other modifications, such as changes of erosion and sediment controls used, must be in accordance with ACT6, S-1 (6) and S-2 (7) of the General Permit.				
ALL IN	FORMATION MUST BE COMPL	ETED (indicate "N/A" where not applicable)		
	COVERAGE RECIP	ENT INFORMATION		
COVERAGE RECIPIENT CONT	ГАСТ NAME:	TEL#()_		
COMPANY NAME:				
STREET OR P.O. BOX:				
CITY:	STATE:	ZIP: E-MAIL:		
	PROJECT IN	FORMATION		
PROJECT NAME:				
CITY:				
	BE DISTURBED:			
with a system designed to assur inquiry of the person or person information submitted is, to the	re that qualified personnel properlies who manage the system, or the best of my knowledge and belief	nts were prepared under my direction or supervergathered and evaluated the information submisse persons directly responsible for gathering to true, accurate and complete. I am aware that of fine and imprisonment for knowing violation	itted. Based on my the information, the there are significant	
Signature (must be signed by co	verage recipient)	Date		
Printed Name		Title		
Please submit this form to:	Chief, Environmental Permits Divisi MS Department of Environmental Q P.O. Box 2261			

Jackson, Mississippi 39225

Revised: 12/12/16

### **Environmental Permits for Industrial Facilities** Request for Transfer of Permit, General Permit Coverage and/or Name Change

Instructions: For Ownership Change-Complete all Items on Page 1 (except Item VIII) and Page 2 (reverse side). For Name Change Only-Complete Items I, II, V, VI, VII, VIII, and Page 2 (reverse side).

Note-This form should be submitted to MDEQ when a transferal date is finalized but prior to the actual transfer.

Item I.	Item II.	
Facility Name:	Responsible official after transfer or name change:	
Location: (Do Not Use P.O. Box)	Name:	
Street:	Title:	
City: State: MS Zip:	Mailing Address:	
County:	Street/P.O. Box:	
Telephone: ()_	City: State:	
Item III.	Telephone ()	
Previous Permittee <sup>1</sup> :		
Mailing Address:	Mailing Address:	
Street/P.O. Box:		
City: State: Zip:		
Telephone: ()		
Item V. Industrial Activity SIC Code:	Item VI.	
Brief Description:	Will Facility Operations Change? Yes N	lo
	If yes, the appropriate applications and permits may requite to change.	ire modification prior
Item VII.	Item VIII.	
Will Facility Name Change? Yes No	Signature for Name Change	
If Yes, Provide New Name for Permit Coverage.	Print Name:	
New Name:		
	Title: Date:	
Item IX.  We the undersigned request transfer of permit(s) and/or	r permit coverage(s) listed on the backside of this form.	
we the undersigned request transfer of permit(s) and/or	permit coverage(s) fisted on the backside of this form.	
From:		
To:	Acquisition Date:	
Board it has the financial resources and operational expertise an this document. By signature below, the previous permittee is re-	are of the requirements of the permit(s), 2) the applicant can demond 3) agrees to accept responsibility and liability for the permit(s) lequesting that the permit(s) and/or permit coverage(s) be transferred written notification from the Office of Pollution Control (OPC). The compliance history of the recipient.	listed on the back of ed to the recipient.
Print New Permittee <sup>1</sup> Name	Print Previous Permittee <sup>1</sup> Name	
New Authorized Signature <sup>2</sup>	Previous Authorized Signature <sup>2</sup>	
Title Date	Title	Date
<sup>1</sup> A Permittee is a company or individual that has been issued an indiv <sup>2</sup> Authorized Signature must be owner or in the case of a corporation, 11 Miss. Admin. Code Pt. 6. Ch. 1.	vidual permit or coverage under a general permit. , a corporate officer as defined in Regulations 11 Miss. Admin. Code Pt. 2,	Ch. 2. and

Page 1 of 2 DECEMBER 2016

## Mississippi Department of Environmental Quality/Office of Pollution Control P.O. Box 2261 Jackson, Mississippi 39225

(601) 961-5171

Item X. Storm Water	Item XI. Hazardous Waste ID Number
(Check One)  A Storm Water Pollution Prevention Plan (SWPPP) is not required for the site.  The recipient certifies that they have received a copy of the Office of Pollution Control approved SWPPP from the original owner.  The recipient is submitting a new SWPPP, which is attached to this form.  A copy of the SWPPP cannot be obtained from the original owner.	EPA ID No  (Check One)  An EPA Hazardous Waste ID Number is not required for the site.  The site's EPA ID Number is listed above and a Notification of Regulated Waste Activity Form is attached.
item XII. Permit(s) and/or C	Coverage(s) to be Transferred
Permit Type:	Permit Type:
Permit/Coverage No.:	Permit/Coverage No.:
Permit Issuance Date:	Permit Issuance Date:
Date of General Permit Coverage:	Date of General Permit Coverage:
Permit Expiration Date:	Permit Expiration Date:
Permit Type:	Permit Type:
Permit/Coverage No.:	Permit/Coverage No.:
Permit Issuance Date:	Permit Issuance Date:
Date of General Permit Coverage:	Date of General Permit Coverage:
Permit Expiration Date:	Permit Expiration Date:
Permit Type:	Permit Type:
Permit/Coverage No.:	Permit/Coverage No.:
Permit Issuance Date:	Permit Issuance Date:
Date of General Permit Coverage:	Date of General Permit Coverage:
Permit Expiration Date:	Permit Expiration Date:
Permit Type:	OTHER INFORMATION:
Permit/Coverage No.:	
Permit Issuance Date:	
Date of General Permit Coverage:	
Permit Expiration Date:	
Paga	1 DECEMBER 2016

## **INSPECTION SUSPENSION FORM**

## UNDER LARGE CONSTRUCTION STORM WATER GENERAL NPDES PERMIT MSR10



### **INSTRUCTIONS**

Coverage recipients under Mississippi's Large Construction Storm Water General Permit may temporarily suspend required weekly inspections of erosion and sediment controls and monthly record keeping by submission of this form. Inspections may be suspended only when land disturbing activities have ceased, no further land disturbing activities are planned for a period of at least six (6) months, the site is stable with no active erosion, and vegetative cover has been established (see ACT9, S-1). The coverage recipient is responsible for all permit conditions during the suspension period and nothing in this condition shall limit the rights of MDEQ to take enforcement or other actions against the coverage recipient. Once land disturbing activities resume MDEQ must be notified and all inspections and record keeping required by the permit must also resume. Color photographs, representative of the construction site, must be submitted with this inspection form.

COVERAGI	E RECIPIENT INFORMAT	ION
COVERAGE RECIPIENT CONTACT PERSON:		
COMPANY NAME:		
STREET OR P.O. BOX:		
CITY:		
PHONE # (INCLUDE AREA CODE):	E-MAIL:	
PRO	JECT INFORMATION	
CONSTRUCTION STORM WATER GENERAL PE	ERMIT COVERAGE NUMBER: $  m l$	MSR10
CITY:		
I certify under penalty of law that this document and all with a system designed to assure that qualified personne inquiry of the person or persons who manage the system information submitted is, to the best of my knowledge a penalties for submitting false information, including the that: land disturbing activities have ceased, no furth months, the site is stable with no active erosion, and	el properly gathered and evaluated the m, or those persons directly responsible and belief, true, accurate and comple to possibility of fine and imprisonment there are pland disturbing activities are pland disturbing activities.	the information submitted. Based on my ble for gathering the information, the te. I am aware that there are significant at for knowing violations. I further certify anned for a period of at least six (6)
Signature (must be signed by coverage recipient)	D	ate Signed
Printed Name	T	itle
Please submit this form to:  Chief, Environmenta MS Department of E	al Permits Division Environmental Quality, Office of Pollution	on Control

P.O. Box 2261

Jackson, Mississippi 39225

Revised: 12/10/2016

## Request for Termination (RFT) of Coverage



## LARGE CONSTRUCTION GENERAL PERMIT

Coverage No. MSR10 \_\_ \_ \_ County \_

(Fill in your Certificate of Coverage Number and County)

This form must be submitted within thirty (30) days of achieving final stabilization (see ACT10, S-1 of general permit). Failure to submit this form is a violation of permit conditions.

The signatory of this form must be the owner or operator (prime contractor) who is the current coverage recipient (rather than the project manager or environmental consultant).

(Please Print or Type)

## **Project Name:** Physical Site Street Address (if not available, indicate nearest named road): County: \_\_\_ Coverage Recipient Company Name: Street Address / P.O. Box: Coverage Recipient Contact Name and Position: \_\_\_\_\_ Tel. #: (\_\_\_\_) Has another owner(s) or operator(s) assumed control over all areas of the site that have not reached final stabilization? RESIDENTIAL SUBDIVISIONS: YES. A copy of the Registration Form for Residential Lot Coverage for each lot or out parcel that has been sold and a site map, indicating which lots have been sold, are attached. NO. Coverage may not be terminated until all areas have reached final stabilization. **COMMERCIAL DEVELOPMENT:** YES. A copy of the site map, indicating which out-parcels have been sold, is attached. NO. Coverage may not be terminated until all areas have reached final stabilization. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. I understand that by submitting this Request for Termination and receiving written confirmation, I will no longer be authorized to discharge storm water associated with construction activity under this general permit. Discharging pollutants associated with construction activity to waters of the State without proper permit coverage is a violation of state law. I

also understand that the submittal of this Request for Termination does not release an owner or operator from liability for any violations of this permit or the Clean

Signature

<sup>1</sup>This application shall be signed according to the General Permit, ACT11, T-7 as follows:

- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.

Water Act.

Authorized Name (Print)

- For a sole proprietorship, by the proprietor.
- For a municipal, state or other public facility, by principal executive officer, mayor, or ranking elected official.

After signing please mail to: Chief, Environmental Permits Division

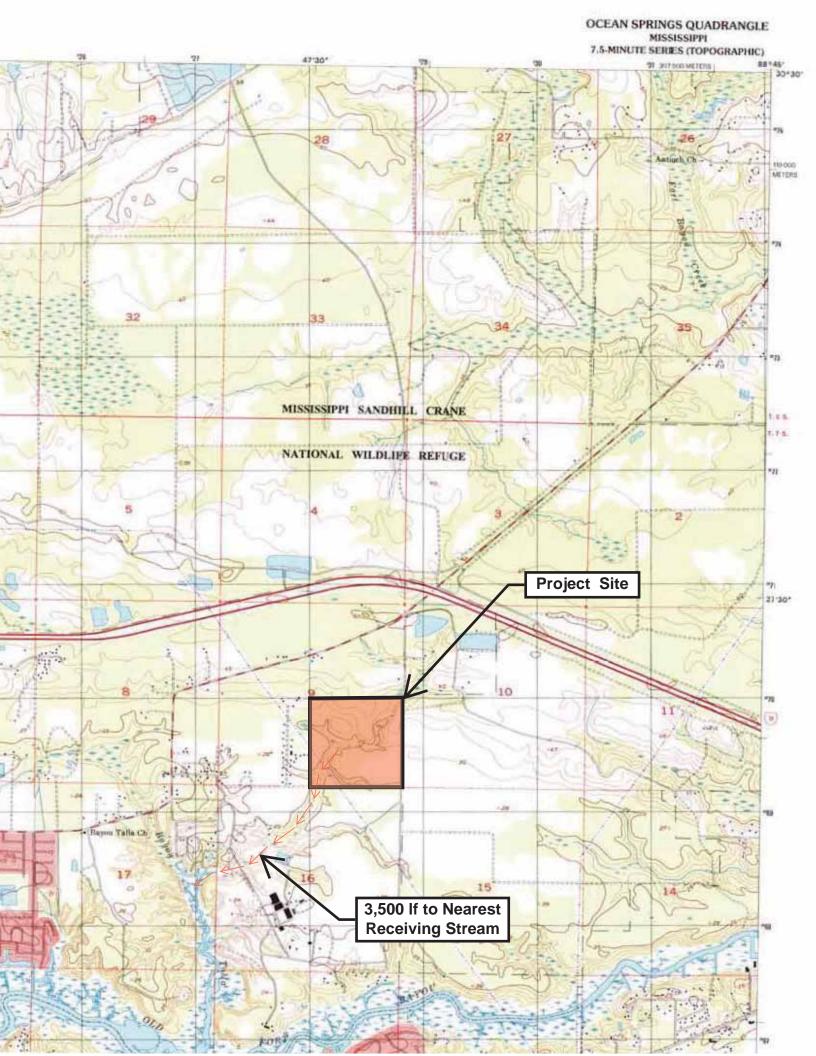
MS Department of Environmental Quality, Office of Pollution Control

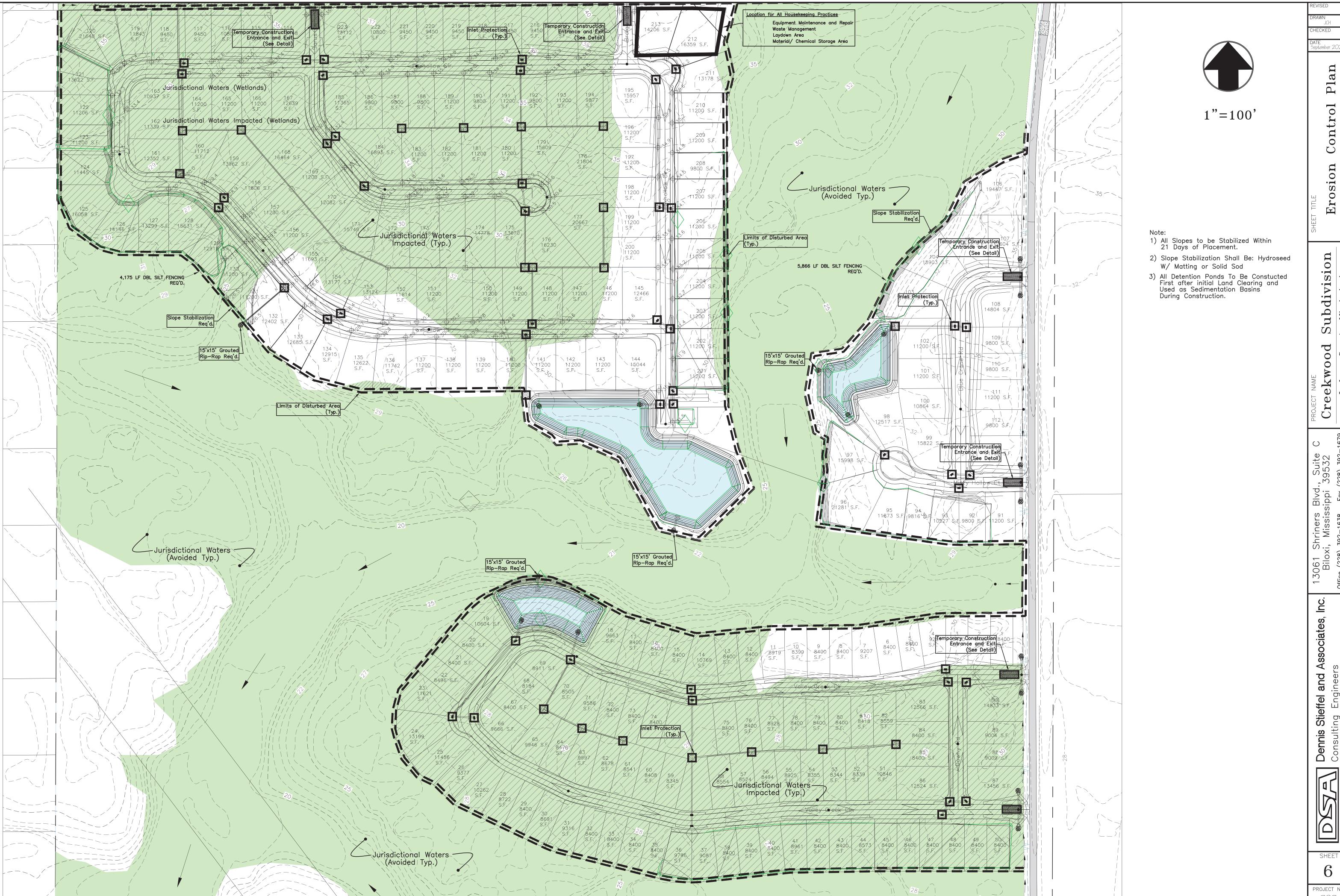
Telephone

P.O. Box 2261

Jackson, Mississippi 39225

Date Signed





## STORM WATER POLLUTION PREVENTION PLAN

1) Vegetative buffer zones shall be maintained between land disturbing activities and perennial water bodies or planted vegetated areas. Buffer zones shall provide a minimum 150-ft buffer and shall be no less than 15 feet in width. Additionally, it is required that 50-foot undisturbed buffers be provided adjacent to waters of the United States wherever possible, and that any buffers less than 50-foot shall be supplemented with additional erosion control measures (double silt fencing) which in combination achieves the sediment load reduction equivalent to a 50-foot undisturbed buffer.

2. provide and maintain a 50-foot undisturbed natural buffer around waters of the United States; or provide and maintain an undisturbed natural buffer that is less than 50 feet and is supplemented with additional erosion and sediment controls which in combination achieves the sediment load reduction equivalent to a 50-foot undisturbed buffer. Please describe in the SWPPP narrative how you plan to meet this requirement.

2) Vegetative controls shall be initiated no later than the next work day following any clearing, grading, excavating or other land disturbing activities which have temporarily or permanently ceased on any portion of the site and will not resume for a period of fourteen (14) days or more. Vegetative controls shall consist of Bermuda grass or other suitable ground cover grasses which will blend with the native vegetation and provide the desired stabilization and erosion protection. Solid sod may be used in areas prone to erosion due to

3) Structural controls shall consist of silt fencing, straw bales, rip-rap and/or erosion matting or some combination thereof at all points of discharge into existing drainage systems. The controls are to be left in place and maintained for the duration of the project. Upon satisfactory stabilization of site, structural controls shall be removed along with any and all silt build-up. Structural controls are to eliminate tracking of sediment in order to prevent any damage to the downstream tributaries or water ways and/or associated wetland areas. Best management practices (BMPs) will be utilized throughout the duration of the construction of the project. Stone-stabilized construction entrances (6" thick and 50' long) will be used to prevent sediment from being tracked onto public roads with tires being washed on an as-needed basis.

4) Inspection of all disturbed areas, erosion, sediment controls and outfalls/discharge points are required after rain events that produce a discharge and at least weekly for a minimum of four (4) inspections per month. Make needed repairs within 24 hours. All accumulated sediment shall be removed from structural controls when sediment deposits reach 1/3 to 1/2 the height of the control. For sediment basins, accumulated sediment shall be removed when the capacity has been reduced by 50%. Replace non-functional silt fence. Maintain all vegetated areas to provide proper ground cover and re-grass, fertilize and mulch as needed. Any silt removed shall be disposed of in nonwetland areas. 5) Topsoil shall be stockpiled and reapplied to disturbed areas at a depth of 2 inches on 3:1 slopes and 4 inches on flatter slopes with an admixture of commercial grade 13-13-13

6) Heavy equipment use shall be avoided in re-grassed areas. If compaction cannot be avoided, the top 4 inches of the soil bed shall be tilled/scarified before re-vegetation. Any necessary fertilizer or other soil amendments shall be added during the tilling process.

7) Steep slopes that cannot be avoided shall have silt fences for all down slope boundaries (and for those side slope boundaries deemed appropriate by individual site conditions) with the exception of those areas incorporating sediment basins with a calculated volume of run-off from a 2-yr, 24-hr storm or 3,600 cubic feet of storage per acre drained as per the Erosion Control & Drainage Plan. Silt fencing shall be installed at the downstream boundaries of the proposed project to protect areas that are to remain undisturbed. 8) The following measures shall be implemented to maintain an acceptable TMDL and to prevent fecal coliform and/or pathogens from escaping the project site: a) all storm drain inlets that could potentially receive storm water from construction activities shall be protected by surrounding with silt fence until final stabilization (70% min.) has been achieved; b) the lower orifice in the outfall structure shall be temporarily plugged until the completion of the project, c) all sedimentation basin outfalls to have triple layers of silt fence installed and d) all wastewater shall centralized collection and treatment.

9) Maintenance of site and all erosion controls will be the Contractor's responsibility during construction and the Home Owner's Association (HOA) post construction with the Municipality having perpetual right of access via easements for emergency purposes.

SEQUENCE OF CONSTRUCTION ACTIVITIES:

1) Silt fencing structural controls to be installed prior to any land disturbing activities taking place.

Construct construction entrance/exit(s).

3) Construct sedimentation/detention basin(s) with appropriate grassing and/or rip-rap. 4) Rough grade site, construct diversions and drainage ways, stockpile topsoil and install silt fence around stockpile, install utilities, culverts and inlets with associated silt fencing.

Install vegetative controls. Construct roadways, drives, parking and buildings.

Perform final grading, grassing and landscaping operations.

8) After site is stabilized, remove all temporary measures and any excess sedimentation from basins.

9) Construction to take place in multiple phases with the construction of subsequent(s) phase commencing only after the completion & total stabilization of previous phase(s).

HOUSEKEEPING PRACTICES: All equipment maintenance and repair shall be done off-site. The site is to be cleaned of trash and construction debris on a weekly basis so as to prevent the spreading of such onto adjacent properties. Paints, solvents, fertilizers, and any other potentially toxic materials shall not be stored on site. Portable sanitary facilities will be provided for construction workers. A designated pit area is required near construction entrance(s) for concrete truck wash-out (wash-out to be disposed of off-site by Contractor for recycling). Site shall be inspected weekly for spills and leaks. Any spills or leaks detected will be immediately cleaned with a dry absorbent material and absorbent oil socks shall be placed around any adjacent drainage inlets. Where sediment has been tracked-out from the site onto paved roads, sidewalks, or other paved areas outside the site, remove deposited sediment "immediately" by the end of the next workday. Remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by similarly effective means of sediment removal. Upon completion of construction, excessive sedimentation and/or pollutants shall be removed from roadways and sedimentation basins.

Emergency spill kit and telephone shall be available for use for site. Any spills in danger of migrating off-site shall be immediately reported to the National Response Center at (800)

POST CONSTRUCTION/STORM WATER MANAGEMENT MEASURES: The individual lot/site protection plan consists of the installation of sedimentation/detention basin(s), silt fencing, straw bales and/or other erosion/siltation control measures in a continuous band across the downhill side of all disturbed areas including areas adjacent to streets. Under no circumstances will silt laden run-off be allowed to escape the site. Additionally, these requirements are to be an integral part of any sales contracts and recorded covenants for the development. Sedimentation/detention basin(s) are to be thoroughly cleaned of excess sediment after construction. Grassing and/or rip-rap will be placed at concentrated storm water discharge points to prevent erosion from high run-off velocities. During facility operation, potential storm water discharges could include oils, grease, etc., from the resident parking. Detention basins and storm water swales will be utilized for post-construction storm water management to ensure that discharges will be clean and free from all pollutants (oil, grease, etc.). The receiving waters for this area is denoted on the Erosion Control Plan in the construction plans. The water from the project area moves via surface sheet flow into the natural existing drainage feature within/downstream of the property. Drainage from this project area flows downstream into the existing natural drains as denoted on the Erosion Control Plan in the construction plans. All downstream drainage ways will be protected through on site BMP efforts and detention ponds strategically placed on the site to treat run-off prior to discharge.

TRAINING DOCUMENTATION: Training records shall include employee's name, worker identification number, date of training, contents of training, an indication whether it was initial or refresher training and the employee's signature acknowledging that training was received. All personnel training associated with this general permit shall be documented on the Employee Training Log Form (see MDEQ Storm Water Permit/LCNOI section in Contract Documents). Completed forms and supporting training documentation shall be maintained on-site with the SWPPP and made available to MDEQ personnel for inspection upon request.

TRAINING REQUIREMENTS: A program shall developed and implemented for initial and periodic refresher training of personnel that are responsible for implementing and/or complying with the requirements of this permit. Initial training for all personnel that are responsible for implementing and/or complying with the requirements of this permit shall be performed within twelve (12) months of issuance of coverage or recoverage under this permit. Newly hired employees responsible for implementing and/or complying with the requirements of this permit shall receive initial training prior to performing such responsibilities. All employees responsible for implementing and/or complying with the requirements of this permit shall receive refresher training by December 31st of each calendar year. Training shall at a minimum address, but not be limited to, the following elements:

(1) SWPPP goals and plan components including: (A) Housekeeping and pollution prevention requirements

(B) Spill prevention and response procedures

(C) Identification and elimination of non-allowable, non-storm water discharges

(D) Installation, maintenance and inspection of erosion and sediment controls for construction activities

(E) Installation, maintenance and inspection of BMPs for post-construction storm water (2) Procedures for monitoring compliance with non-numeric and numeric limitations

(3) Recordkeeping, reporting and record retention (3 years min.) requirements (includes understanding the records filing system and being able to produce the required permit

documentation during an MDEQ on-site inspection) (4) Release reporting and non-compliance notification and reporting requirements

(5) Applicable standard requirements

SILT FENCE INLET PROTECTION

TOP STRAND (10'-0" MAX. OR AS DIRECTED BY THE ENGINEER) VARIABLE WIRE FENCE WOOD POST (MIN. 10 GAGE) - WIRE FENCE (MIN. 12tGAGE) GEOTEXTILE FABRIC GEOTEXTILE FABRIC LINE WIRES (MIN BOTTOM 12 GAGE) STRAND GROUND (MIN. 10 GAGE) GROUND - LINE — GROUND LINE GEOTEXTILE FABRIC IN 6" X 6" FRONT ELEVATION TRENCH. BACKFILL WITH SOIL AND COMPACT. —compacted soil SIDE ELEVATION

## TEMPORARY SILT FENCING

NOTE: I.) ALL DISTURBED AREAS TO BE SEEDED OR SODDED 2.) SIDE SLOPES OF DETENTION POND TO BE SODDED

3.) SOLID SOD TO BE ADDED 3' BEHIND THE BACK OF CURB FOR THE ENTIRE LENGTH OF ROADWAY

> 4 ) CONTRACTOR RESPONSIBLE FOR KEEPING STREETS CLEAN FROM ANY ACCIDENTAL TRACKING OF DIRT OR SEDIMENT

	FALL OF DITCH (%) 0 - 1 1 - 2 > 2	DISTANCE (ft) 100' 50' 25'	RIP RAP WHERE SPECIFIED OR AS DESIGNATED BY THE ENGINEER.
MIN. DIST	ANCES FOR	EROSION	CHECKS <u>CULVERT</u>

HEADWALL or F.E.S. 15'x15' Area of 200# Rip-Rap Gaps to be Filled with Grout or Concrete Extend Rip-Rap Up-Side Slopes of F.E.S. GEOTEXTILE FABRIC



SCALE: N.TS.

TEMPORARY CONSTRUCTION

ENTRANCE AND EXIT

UPDATED: 4/5/05

GEOTEXTILE FABRIC UNDER THE ROCK COARSE AGGREGATE SLOPE TO DRAIN SLOPE TO DRAIN

GENERAL NOTES:

SLOPE TO DRAIN

1. EROSION CONTROL SEQUENCE SHALL BE AS FOLLOWS: (A.) SILT FENCING TO PROTECT EXISTING WETLANDS SHALL BE INSTALLED (B.) DETENTION POND TO BE CONSTRUCTED (C.) SILT FENCING AND HAY BALES TO BE INSTALLED AROUND ALL DRAINAGE STRUCTURES

(E.) ALL DISTURBED AREAS TO BE GRASSED EXCEPT WHERE SODDING IS REQUIRED

(D.) APPROPRIATE EROSION CONTROL STEPS TAKEN TO STABILIZE SIDE SLOPES AND SWALES

2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF ALL EROSION CONTROL MEASURES IN ACCORDANCE TO THE WETLANDS PERMIT NUMBER- SAM-2011-1271-TMC . AND THE D.E.Q. (SWPP) PERMIT NUMBER----- "SEE CONTRACT DOCUMENTS FOR COPIES OF PERMITS"

3. CONTRACTOR SHALL INSPECT THE INSTALLED EROSION CONTROL ITEMS AT LEAST ONCE EVERY SEVEN-CALENDAR DAYS AND PROVIDE ANY MAINTENANCE REQUIRED TO PREVENT EROSION AND ADVERSE IMPACTS TO RECEIVING STREAMS

4. ENTIRE SITE SHALL BE CLEARED AND GRUBBED UNLESS OTHERWISE NOTED, HOWEVER SPECIAL CARE SHOULD BE TAKEN TO PROTECT ANY ORNAMENTAL TREES THAT COULD REMAIN WITH-IN THIS PROJECT.

## SILT FENCE NOTES:

WIRE STAPLES 1" LONG.

1. WIRE SHALL BE MINIMUM OF 32" IN WIDTH AND SHALL HAVE A

2. GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER

3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND OF THE SELF-FASTENER ANGLE STEEL TYPE. WOOD POST SHALL BE A MINIMUM OF 5'-0" IN HEIGHT AND 3" OR MORE IN DIAMETER WIRE FENCE SHALL BE FASTENED TO WOODEN POST WITH NOT LESS THAN 9 GAGE

4. GEOTEXTILE FABRIC MEETING THE TYPE II MATERIAL REQUIREMENTS AND INSTALLED ACCORDING TO SPECIFICATIONS MAY BE USED WITHOUT WIRE FENCE.

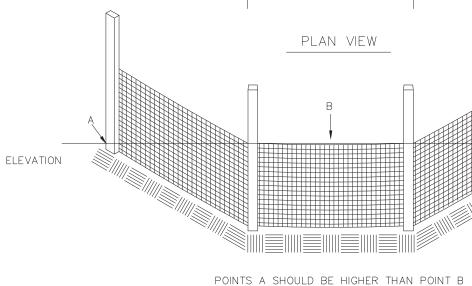
5. SILT FENCE TO BE MAINTAINED AND SILT REMOVED WHEN THE VERTICAL SILT LEVEL REACHES 1/3 OF THE SILT FENCE HEIGHT

STAKES ---FILTERED WATER GEOTEXTILE FABRIC → BURIED GEOTECTILE FABRIC SECTION A-A TEMPORARY SILT FENCE SWALE & INLET PROTECTION

UPDATED: 4/5/05

SCALE: N.TS.

Grouted Rip-Rap @ Outfalls



SILT FENCE DITCH/SWALE PROTECTION

D 0 0

Si Vi  $\Omega$ 

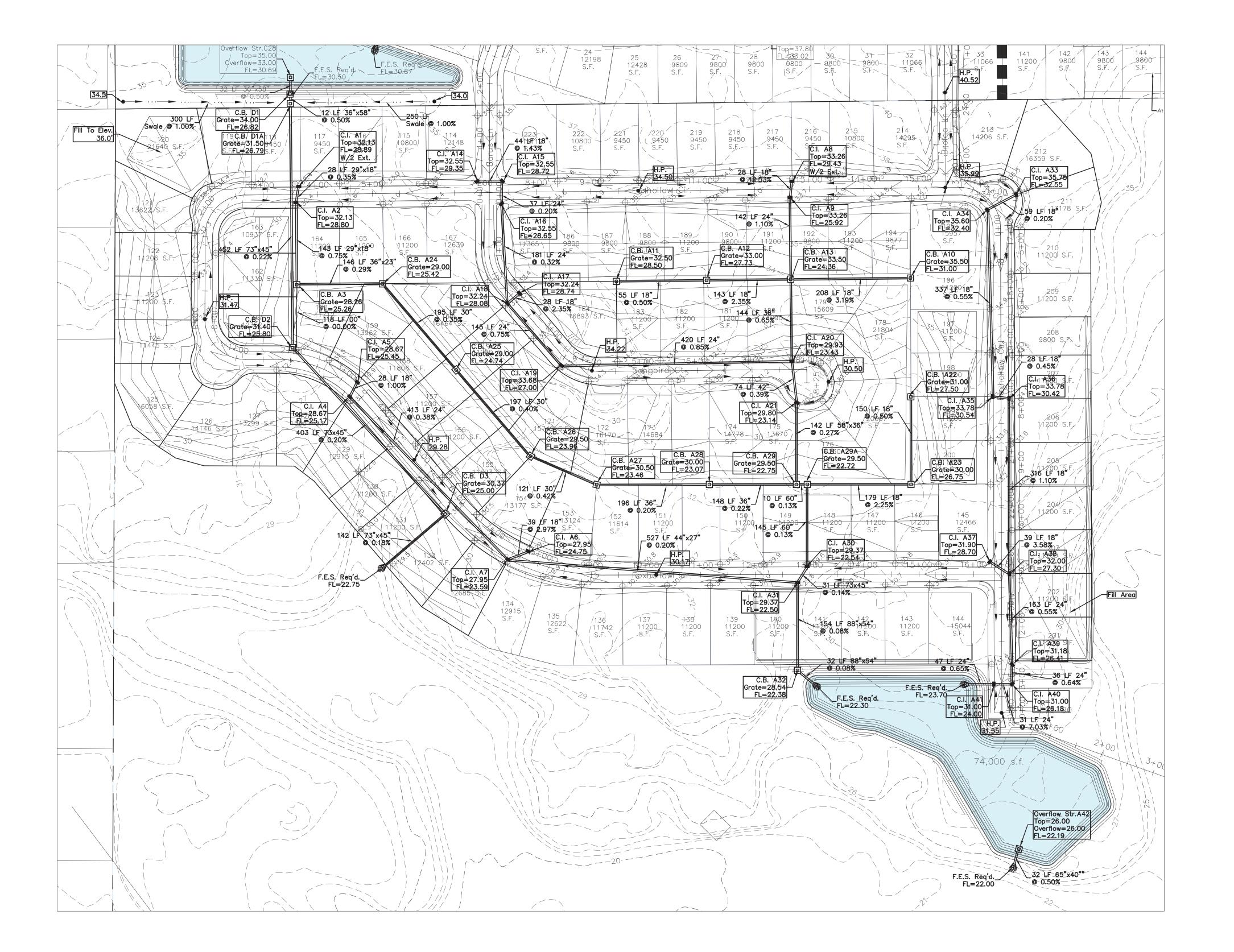
and

TOE OF DITCH/SWALE

SHEET



1"=100'



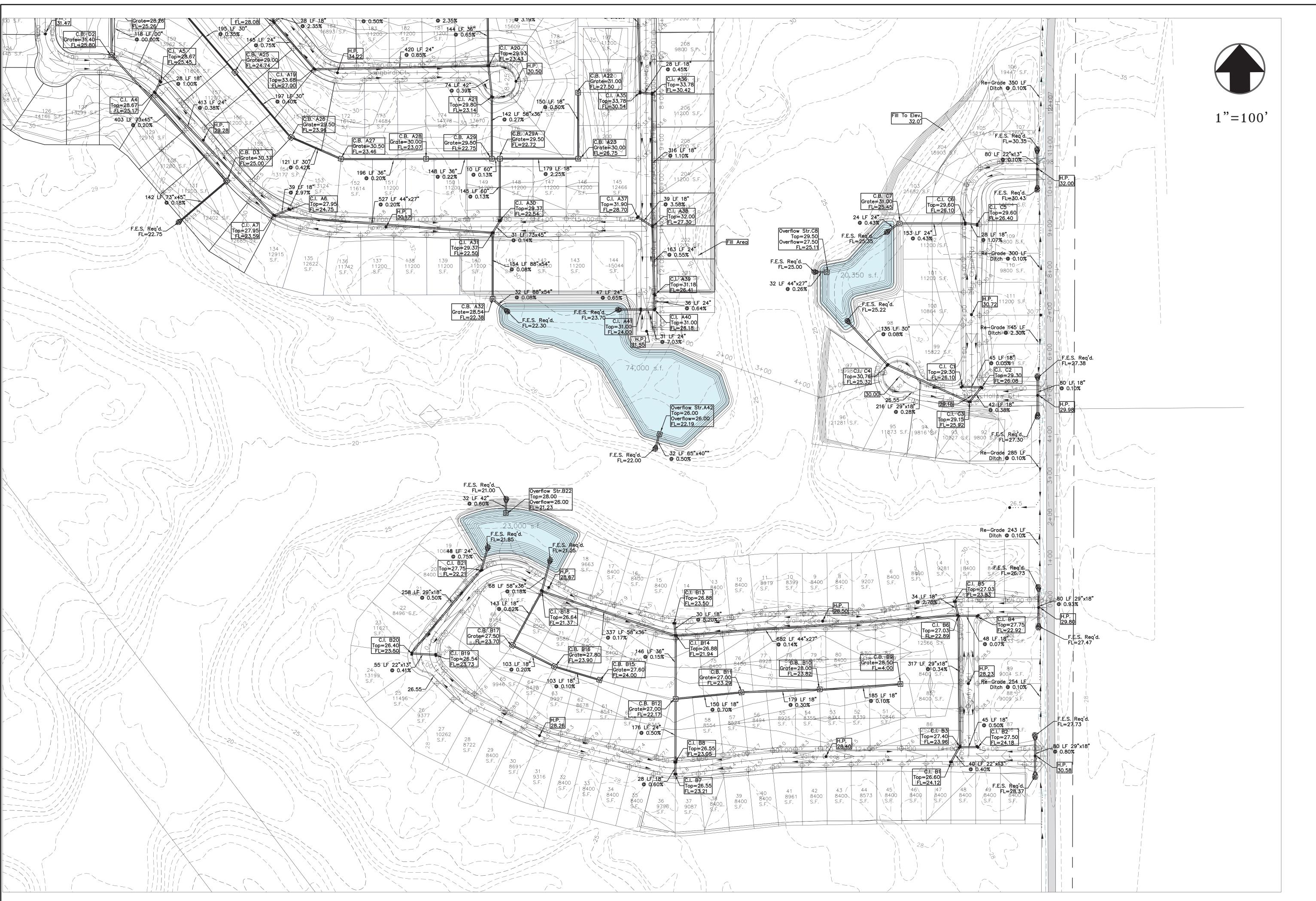
Plan

Subdivision eek

Suite 9532

Dennis Stieffel and Consulting Engineer

SHEET



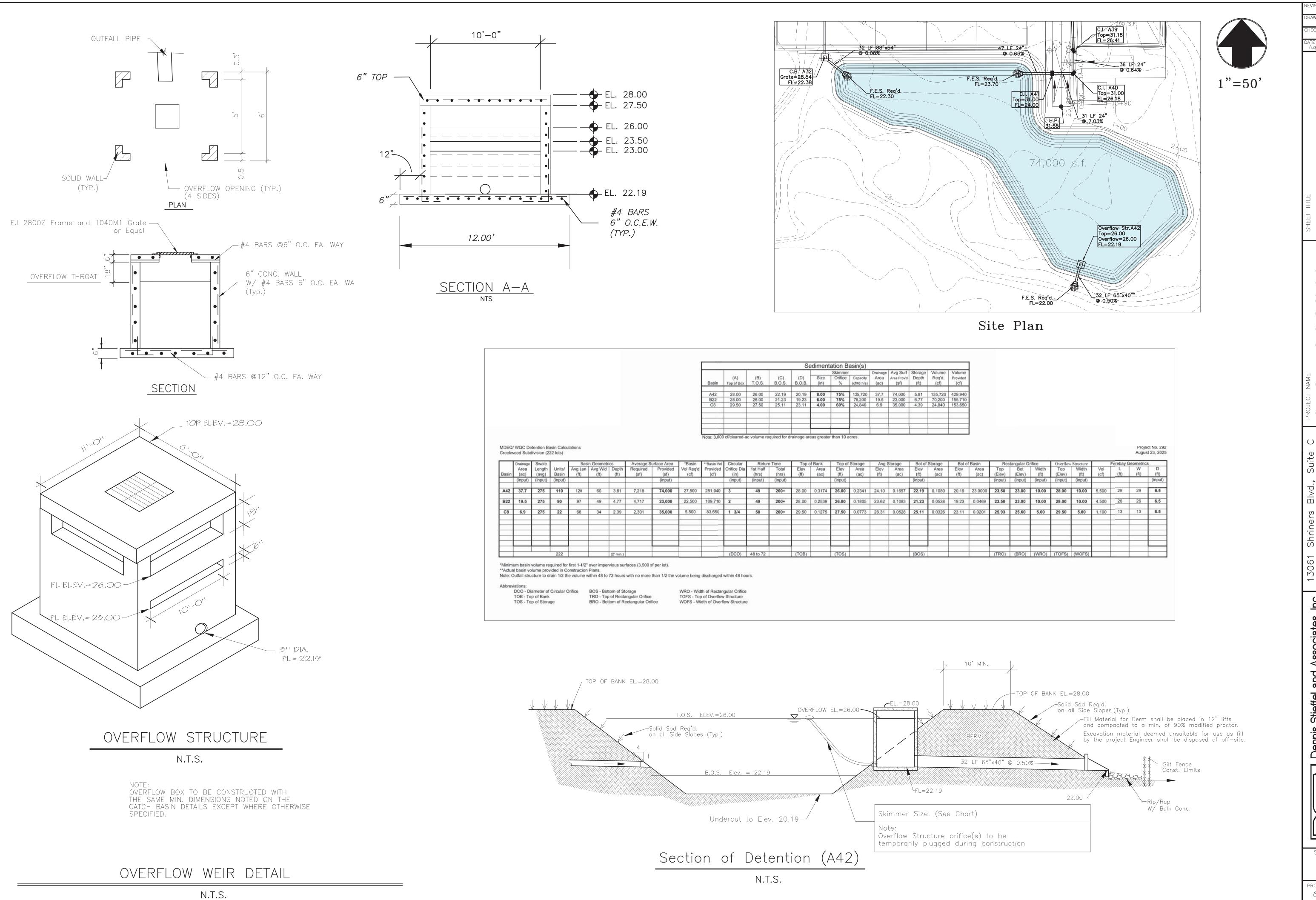
Plan

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Suite 9532 Blvd sippi 13061 Shr Biloxi, M

and

SHEET



A42)

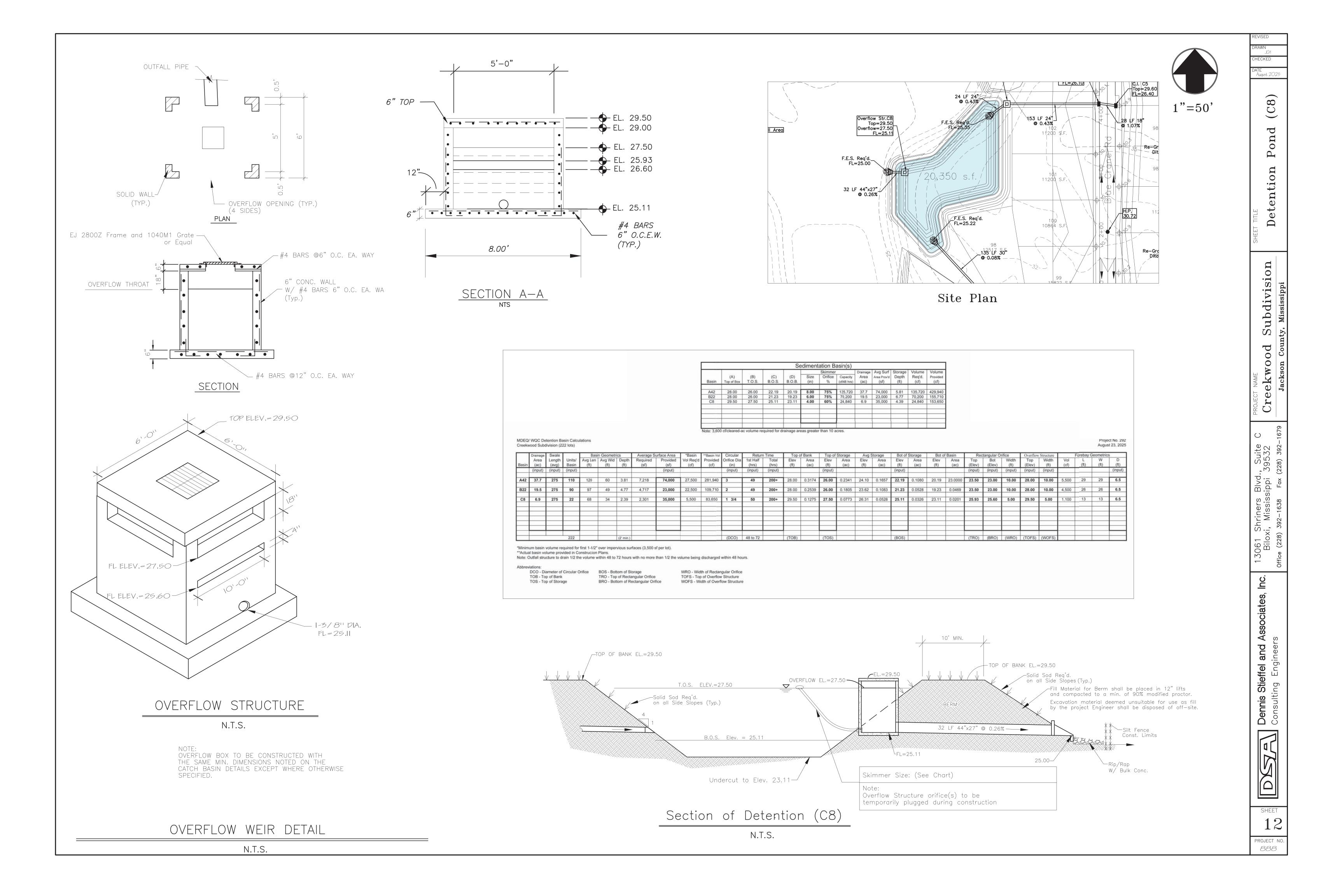
Subdivision

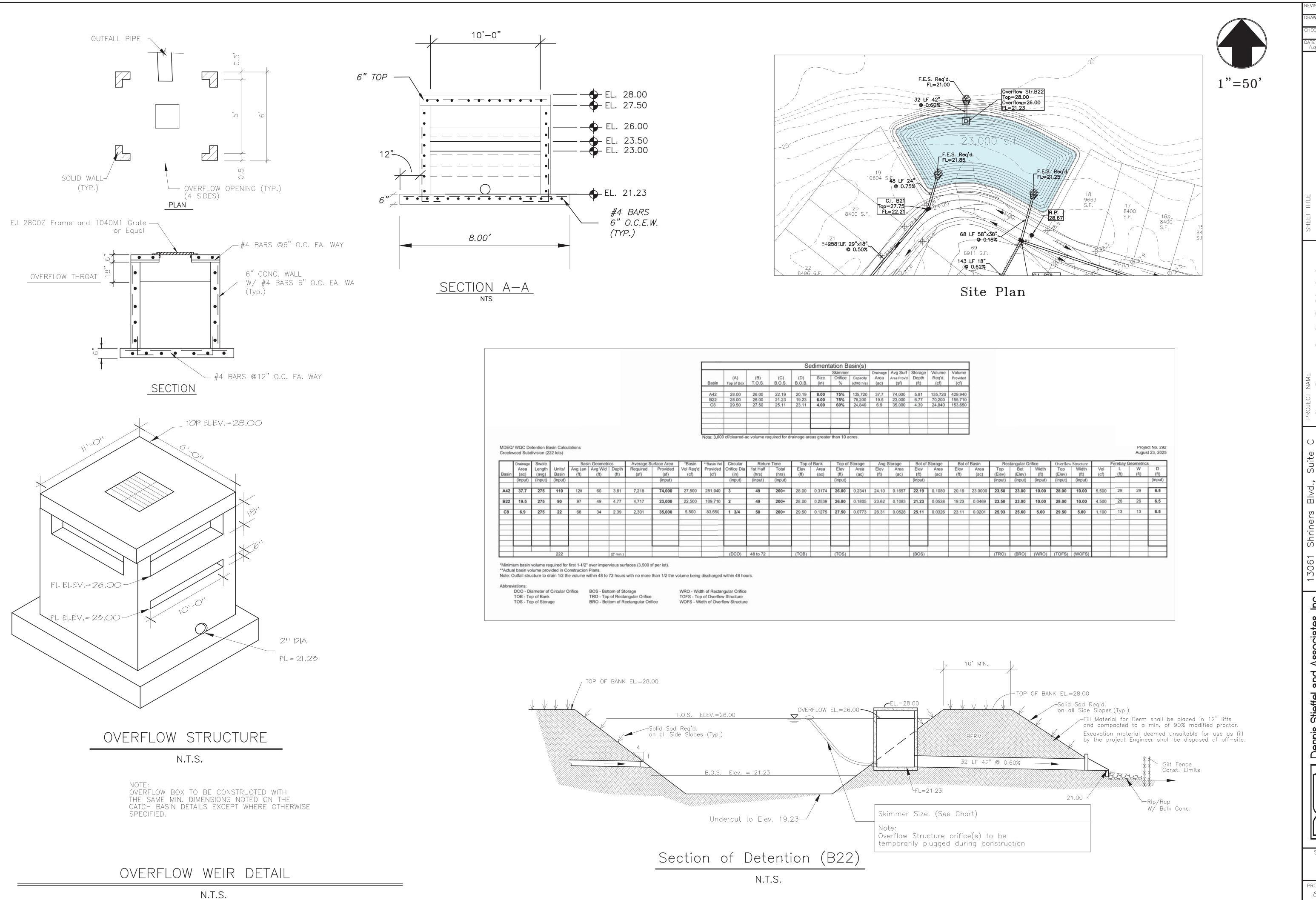
Blvd. ssippi Fax

13061 Shriners Biloxi, Mississ

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SHEET





B22)

Subdivision

Blvd. ssippi Fax 13061 Shriners Biloxi, Mississ

**and** ineer

SHEET 13

FOR (	OPC USE ONLY
PLA NO.	

## INFORMATION REGARDING PROPOSED WASTEWATER PROJECTS TO: THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

The Grantman MS, L	LC			
(Insert Name of Body Makin	ng Application, i.e., Indiv	idual, Corporation	, Municipal	lity, etc.)
whose mailing address is	P. O. Box 67	Mandeville	, LA ,	70470 ,
(	Street and Number)	(City)	(State)	(Zip)
whose responsible official is				er,
	(Name)		(Title	)
and whose phone number is	(985) 373-5288 (cell),			
Herewith submits for consi prepared by	deration of the OPC plan	ns, specifications,	and other	necessary data
Dennis Stieffel & Associate (Engineer or Firm)	s, P.A., Inc.			
Dennis Stieffel (Firm's Project Contact Pers	son, if applicable)			
13061 Shriners Blvd., Ste C (Mailing Address)				
Biloxi, MS 39532 (City, State, Zip)		ä		
(228) 392-1638 / (228) 860 (Phone Number)	-8161 (cell)			
who is hereby authorized to the construction of 9,600 lin system.				
(Clearly Describe Project: N	New System, Modification	n, Extension, Reha	bilitation, 7	Treatment, etc.)
G 1 15	. 251 1026 1120 112			ATTEO IN FUTURE AS PART
to serve <u>Creekwood Esta</u>	ites (aka Eglin Rd) Subdi (Subdivision, Plant, Scho		SANDHILL	SUBDIVISION
located at Eglin Rd:	Se	ction 16, T7S, R8	W	
_ (Approximate I	Location, Including Secti	on Township, and	Range)	
in or near the City of	Ocean Springs in the	e County of	Jackson	, State of

Mississippi, as required by the regulations of the OPC and herewith make application to the OPC for the approval of this project. We understand through the regulations of the OPC that this approval is required prior to the initiation of construction activities. Upon construction, these facilities will be owned and maintained by West Jackson County Utility District (WJCUD) (Name of Utility Company, Municipality, Owner, Developer, etc.) whose mailing address is \_\_\_\_\_P. O. Box 1230 Ocean Springs MS 39564 (Street and Number) (City) (State) (Zip) NOTE: IF THIS PROJECT DOES NOT ADD ANY NEW CONNECTIONS OR ADDITIONAL FLOWS TO THE COLLECTION SYSTEM, YOU MAY OMIT SECTIONS A. THROUGH E. BELOW. A. **EXISTING SEWAGE COLLECTION SYSTEM** 1. The facilities collecting the sewage from this proposed project are owned by West Jackson County Utility District (WJCUD) (Utility Company, Municipality, etc.) 2. Number of connections existing are 8.600 3. The length of sanitary sewers existing are \_\_\_\_15 miles\_\_ The number of existing lift stations are \_\_\_\_35 4. 5. Additional facilities that collect sewage from this proposed project, i.e. a regional wastewater authority, are owned by <u>Jackson County Utility Authority (JCUA)</u>. В. **CERTIFICATION(S) FROM COLLECTION ENTITIES** The official(s) responsible for the wastewater collection facilities denoted in Section A. above, that will serve the proposed project, do hereby certify that we agree to transport the wastewater flows generated from the proposed project. We also hereby certify that we have determined that our collection system(s) have the capacity available to transport properly the wastewater flows generated from the proposed project.

Signature

Signature

Signature

Executive Director

Title

West Jackson County Utility District

Entity

Entity

Signature

Executive Director

Title

Executive Director

Title

Executive Director

Title

Executive Director

Title

C.	EXIS	TING SEWAGE TREATMENT WORKS
	1.	The facilities responsible for treatment of the sewage from this proposed project are owned by <u>Jackson County Utility Authority (JCUA)</u> (Utility Company, Municipality, etc.)
	2.	The OPC Permit Number for this wastewater facility is <u>MS 0045446 (NPDES)</u> .
	3.	The capacity for this wastewater treatment facility is
	4.	The treatment type of this wastewater facility is <u>Aerated Lagoon/Constructed Wetlands</u> . (Activated Sludge, Aerated Lagoon, etc.)
	5.	The present population served by treatment facility is40.000 +/
	6.	The operator in charge will be <u>Brian Davis</u> , who is a Class <u>III</u> wastewater operator, holding certificate number <u>6321-III</u> .
D.	CER	FIFICATION FROM WASTEWATER TREATMENT ENTITY
serve to from that the project Signar Executive Title	the prophe capacit.  ture  utive Di	esponsible for the wastewater treatment facility denoted in Section C. above, that will bosed project, does hereby certify that we agree to treat the wastewater flows generated osed project. We also hereby certify that we have determined that our treatment facility city available to treat properly the wastewater flows generated from the proposed rector  The wastewater flows generated from the proposed of the wastewater flows generated from the proposed rector.
E.	PRO	POSED PROJECT DETAILS
	1. Th	e ultimate population to be served by this proposed project is $(223)(3.0) = 669$ .
	2. Th	e number of connections to be added are
	3. Per	capita discharge75 gpcd: Infiltration0 gpcd. (Estimate, if unknown)
	4. Ar	ea Served in Acres 161.358 Design Population Per Acre (669/161.358) = 4.1
	5. Th	e area water is supplied byWest Jackson County Utility District (WJCUD)
		(Name and Address of Water Utility)

Proposed Sewage Pumping Stations 6.

	Units Served	Pump Capacity (gpm)	Influent Flow (gpm)	
Location or Number			Avg.	Peak
None	0	n/a	0	0
		1000		

## F.

ADDI	TIONAL CLEARANCES
PER	PROVAL OF THIS PROJECT SHALL NOT BE GRANTED UNTIL ALL THE MDEQ MITS, COVERAGES, AND APPROVALS DENOTED BELOW ARE FACTORILY ADDRESSED.
1.	The total area of ground disturbance by clearing, grading, and excavating for utilities, roadways, lots, etc. is70 acres.
2.	For construction projects disturbing five or more acres, have you applied to MDEQ or an MDEQ approved local authority for construction storm water permit coverage?  Yes  Not applicable  If not applicable, why?
NOTE:	IF YOU ARE DISTURBING MORE THAN ONE ACRE BUT LESS THAN FIVE ACRES AFTER MARCH 10, 2003, YOU MUST FOLLOW THE REQUIREMENTS OF MDEQ'S SMALL CONSTRUCTION STORM WATER GENERAL PERMIT. ALSO, AFTER MARCH 10, 2003, IF YOU ARE IN AN AREA THAT HAS AN MDEQ APPROVED LOCAL AUTHORITY YOU MUST APPLY FOR APPROVAL FOR 1-5 ACRE CONSTRUCTION PROJECTS. SOME LOCAL AUTHORITIES MAY REQUIRE APPROVAL FOR DISTURBANCE LESS THAN ONE ACRE.

3.	Have determinations/authorize	ations been received from the Corps of Engineers
	regarding the need for a Secti	on 404 Permit, General Permit or Nationwide Permit
	for stream or intermittent dr material into wetlands?	ain crossings, stream re-routing, or for placing fill
	☐ Yes X Pending	☐ Not applicable
	If not applicable, why?	

### G. ADDITIONAL CERTIFICATIONS

We hereby certify that we are the applicants for this project, that we are familiar with the information contained in this form, and that, to the best of our knowledge and belief, such information is true, complete, and accurate.  Signature of Responsible Description
Tim Henning, Member Printed Name and Title of Above
I hereby certify that the engineering documents for this project were prepared by myself or under my direct supervision, that I am familiar with the information contained in this form, and that, to the best if my knowledge and butlef, such information is true, complete, and accurate.  Signature of Engineer Register Under Mississippi Laws  Dennis Stieffel. P.E. #11420  Typed Name and Registration Number  11420  (Seal)
THE APPLICANTS AGREE THAT NO CHANGES IN OR DEVIATION FROM THE PLANS AND SPECIFICATIONS APPROVED BY THE OPC WILL BE MADE EXCEPT WITH THE PRIOR CONSENT AND APPROVAL OF THE OPC.
COMMENTS:

FOR OPC USE ONLY	
AGENCY INTEREST NO.	
PLANS NO.	
COVERAGE NO.	

## COASTAL COUNTY UTILITY AUTHORITY ENVIRONMENTAL CLEARANCE FORM TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

Control for all proposed projects applying for wastewater approval or construction stormwate coverage in the following counties: Hancock, Harrison, Jackson, Pearl River, and Stone.
PROJECT NAME: Creekwood Subdivision (223 lots)
ENTITY MAKING APPLICATION: Grantman MS, LLC
RESPONSIBLE OFFICIAL: Tim Henning, Member
COUNTY WHERE PROJECT IS LOCATED:
The portions below are to be completed by the appropriate County Utility Authority(CUA)
1. Is this project consistent with the requirements of the CUA?
∑ Yes  No
<ol><li>Is this project connecting to a facility funded by Community Development Block Gran (CDBG) funds under the Mississippi Gulf Region Water and Wastewater Plan?</li></ol>
If yes, complete Item 3.; if no, skip Item 3.
3. Has this project been coordinated with the U.S. Fish and Wildlife Service to identify the need for a Section 7 consultation for impacts to threatened and/or endangered species?
X Yes    No
If yes, a copy of the consultation clearance letter from the U.S. Fish and Wildlife Service must be attached to this form. If no, this project can not be considered by the Office o Pollution Control.
I hereby certify that I am the official responsible with the
Signature Executive Director Title
September 23, 2025 Jackson County Utility Authority
Date Entity



## **JACKSON COUNTY UTILITY AUTHORITY**

Serving the People...Protecting the Environment

Directors
David Compton • Pascagoula
Thomas Eldridge • Jackson County
Andrew J. Elly • Moss Point
William Lanham • Gautier
Frank Mallette • Jackson County
Jerry Munro • Ocean Springs
Rickey Murphy • Jackson County

September 24, 2025 Doc# 43591

Tim Henning Grantman MS, LLC PO Box 67 Mandeville, LA 70470

RE: Creekwood Subdivision (223 Lots)

West side of Eglin Road, South of Old Fort Bayou Road, Ocean Springs, MS 39564

(PIDN: 03009080.000)

Dear Mr. Henning,

The Jackson County Utility Authority (JCUA) has reviewed the referenced project plan submitted September 12, 2025 that includes the proposed development of a new 223-lot residential development to be located on the west side of Eglin Road, south of Old Fort Bayou Road in Ocean Springs, MS. The Authority has confirmation of capacity by the water and sewer service provider therefore the Authority has no objection to the proposed project, provided construction is completed in accordance with the requirements of the West Jackson County Utility District, MDEQ, MSDH, and JCUA.

This approval does not relieve the owner of other permitting responsibilities as required. Should you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Kevin Barnette

Engineer-in-Training
Jackson County Utility Authority

Ken Brutto



## West Jackson County Utility District

Physical Address: 7200 McCann Road Biloxi, MS 39532 Mailing Address:
P.O. Box 1230
Ocean Springs, MS 39566-1230

Phone (228) 872-3898

www.wjcud.com

Fax (228) 872-3861

September 23, 2025

Mr. Dennis Stieffel, P.E. 13061 Shriners Blvd. Suite D Biloxi MS 39532 228.860.8161

RE:

Creekwood Subdivision

Development of PIDN: 03009030.005 03009080.000

Dear Mr. Stieffel,

The West Jackson County Utility District (WJCUD) has received your request for a ``Conditional Will Serve" for 233 lot subdivision lying on 233.13-acre development to be constructed along Old Fort Bayou and Eglin Road.

Per our discussions, this project will be referred to as "Creekwood Subdivision and consists of the following:

233 residential homes

This project will be completed in one phase of construction and your plan is to complete construction within a one-year time period.

WJCUD hereby grants you a "conditional will serve" for public water supply and sanitary sewer collection for the proposed project. A "conditional will serve" is an indication that water and sewer facilities in the area exist, however, off-site improvements may be required of the development to accommodate the proposed development. A conditional will service is also contingent upon the proposed development meeting all WJCUD requirements, completing all public water and sewer construction strictly in accordance with all standards and specifications for construction as identified as part of the District's engineering review, and compliance with all State and local laws and regulations. No construction will be accepted by WJCUD without construction drawings and specifications being submitted to the attention of WJCUD Will Serve Officer. All WJCUD standards, details and specifications for both water and sewer construction shall be incorporated in the development's drawings and specifications.

The following are WJCUD conditions of this conditional will serve:

#### General:

- Submit two copies of construction submittal packets for WJCUD review and approval. Submittals
  packets must include all water and sewer materials: (i.e. pipe, valves, pumps, motors, controls,
  ECT.)
- Submit three full size sets of construction drawings and three copies of specification for water and sewer construction for WJCUD review and approval.
- 3. Submit drawings and specifications digitally by email (bbennett@wjcud.com) to WJCUD.
- Notify WJCUD 48 hours prior to start of construction.
- Request any pre-authorized connections (tie-ins) to existing WJCUD lines at least 72 hours before start of work to allow for WJCUD to witness the construction.
- Notify WJCUD at least 72 hours in advance of construction testing. Testing performed without WJCUD witness of such testing shall be re-performed for WJCUD to witness the testing.
- If construction may cause interruption or delay, notify WJCUD at least 16 hours in advance of performing water and sewer construction. Work performed without observance of construction will not be accepted by WJCUD for ownership.
- 8. Upon completion of construction, provide two full size sets of As-Built drawings, one digital CADD file at (state plane coordinates, mean sea level elevation) of the full water and sewer systems sealed and signed by the registered professional engineer in responsible charge of the construction prior to final inspection. Completed water and sewer infrastructure to be conveyed to WJCUD will not be accepted for ownership until all as-builts, testing information and the Developer's engineer certification that construction is completed in accordance with the WJCUD approved plans and specifications is received by WJCUD.
- Construction shall not begin without WJCUD approval of plans and specifications, nor shall any
  water and sewer construction begin prior to a pre-construction meeting to be held at WJCUD
  between WJUCD, the Developer and the Developer's engineer in attendance.

#### Sewer:

- Provide engineering documentation that the development's sewer flow will not overload WJCUD's existing sewer system.
- Complete all the necessary upgrades to WJCUD offsite sewer facilities to ensure the existing sewer system will not be overloaded by the development's sewer flow.
- All gravity services, gravity mains, forced pressure mains and lift stations must be installed to WJCUD standards and specifications.
- All individual structures shall have separate sewer services. Different uses and facility types on the same lot may require separate sewer services at the discretion of, and upon the approval by, WJCUD.
- Gravity sewer mains and services must be constructed from SDR 26 PVC pipe. locking joint PVC may be approved for bores under pavements.
- 6. Manholes shall be WJCUD's standard ring and cover.
- All service connections shall be made at a predetermined point in the sewer main at the discretion of, and approval by, WJCUD.

#### Water:

- PVC water mains shall be 4", 6", 8" or 12" in diameter meeting AWWA C900, Class 150 with ductile iron mechanical joints, cement lined, and joint restraints, AWWA C110 or C153.
- 2. Fire hydrants spacing and paint color shall be factory painted in accordance with WJCUD criteria.
- Gate valves shall be resilient seat type meeting AWWA C509 specifications with cast iron valve box cover marked`` WATER" Developer will provide a 24"X24"X 4" concrete pad around valve box.
- 4. Provide metallic marker tape and #12 AWG tracer wires for all mains.
- Water services lines to be a minimum 1" HDPE, AWWA C901, DR11 or larger as approved by WJCUD.

### Testing:

- Water mains Pressure and leakage test at 150 PSI for two hours with leakage not to exceed 10 gallons per inch –mile per 24 hours, with no visible leak.
- 2. Gravity mains and service will be pressure tested for leakage
- 3. Manholes will be vacuum tested for leakage
- Perform bacteriological testing in accordance with MS Department of Health regulations before placing lines in service.

WJCUD's standard detail drawings and specifications for construction of services line, water meters and grinders are also available for pick up at WJCUD office.

Approval of the pollution control Permit does not waive any requirements of the applicant noted in the "Conditional Will Serve" or any requirements by other state or Local Agencies.

Sincerely,

WEST JACKSON COUNTY UTILITIY DISTRICT

BRIAN O. BENNETT

DEPUTY DIRECTOR

WEST JACKSON COUNTY UTILITY DISTRICT

7200 MCCANN RD.