



MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

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
- Antidegradation report for disturbance within Waters of the State

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

MSR10 _ _ _ _

(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: ☐ **OWNER** ☐ **PRIME CONTRACTOR**

OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: _____

OWNER COMPANY LEGAL NAME: _____

OWNER STREET OR P.O. BOX: _____

OWNER CITY: _____ **STATE:** _____ **ZIP:** _____

OWNER PHONE #: (____) _____ **OWNER EMAIL:** _____

PREPARER CONTACT INFORMATION

IF NOI WAS PREPARED BY SOMEONE OTHER THAN THE APPLICANT

CONTACT PERSON: _____

COMPANY LEGAL NAME: _____

STREET OR P.O. BOX: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

PHONE # () _____ **EMAIL:** _____

PRIME CONTRACTOR CONTACT INFORMATION

PRIME CONTRACTOR CONTACT PERSON: _____

PRIME CONTRACTOR COMPANY LEGAL NAME: _____

PRIME CONTRACTOR STREET OR P.O. BOX: _____

PRIME CONTRACTOR CITY: _____ **STATE:** _____ **ZIP:** _____

PRIME CONTRACTOR PHONE #: (____) _____ **PRIME CONTRACTOR EMAIL:** _____

FACILITY SITE INFORMATION

FACILITY SITE NAME: _____

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: _____

CITY: _____ **STATE:** _____ **COUNTY:** _____ **ZIP:** _____

FACILITY SITE TRIBAL LAND ID (N/A If not applicable): _____

LATITUDE: ____ degrees ____ minutes ____ seconds **LONGITUDE:** ____ degrees ____ minutes ____ seconds

LAT & LONG DATA SOURCE (GPS (Please GPS Project Entrance/Start Point) or Map Interpolation): _____

TOTAL ACREAGE THAT WILL BE DISTURBED ¹: _____

IS THIS PART OF A LARGER COMMON PLAN OF DEVELOPMENT?	YES ☐	NO ☐
IF YES, NAME OF LARGER COMMON PLAN OF DEVELOPMENT: _____		
AND PERMIT COVERAGE NUMBER: MSR10_____		
ESTIMATED CONSTRUCTION PROJECT START DATE:	____-____-____	
ESTIMATED CONSTRUCTION PROJECT END DATE:	____-____-____	
DESCRIPTION OF CONSTRUCTION ACTIVITY: _____		
PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED: _____		

SIC Code: ____-____-____	NAICS Code _____
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NEAREST NAMED RECEIVING STREAM: _____		
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 MDEQ's web site: http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section)	YES ☐	NO ☐
HAS A TMDL BEEN ESTABLISHED FOR THE RECEIVING STREAM SEGMENT?	YES ☐	NO ☐
FOR WHICH POLLUTANT:		
ARE THERE RECREATIONAL STREAMS, PRIVATE/PUBLIC PONDS OR LAKES WITHIN ½ MILE DOWNSTREAM OF PROJECT BOUNDARY THAT MAY BE IMPACTED BY THE CONSTRUCTION ACTIVITY?	YES ☐	NO ☐
EXISTING DATA DESCRIBING THE SOIL (for linear projects please describe in SWPPP): _____		
WILL FLOCCULANTS BE USED TO TREAT TURBIDITY IN STORM WATER?	YES ☐	NO ☐
IF YES, INDICATE THE TYPE OF FLOCCULANT.	☐ ANIONIC POLYACRYLAMIDE (PAM) ☐ OTHER _____	
IF YES, DOES THE SWPPP DESCRIBE THE METHOD OF INTRODUCTION, THE LOCATION OF INTRODUCTION AND THE LOCATION OF WHERE FLOCCULATED MATERIAL WILL SETTLE?		
IS A SDS SHEET INCLUDED FOR THE FLOCCULATE?	YES ☐	NO ☐
WILL THERE BE A 50 FT BUFFER BETWEEN THE PROJECT DISTURBANCE AND THE WATERS OF THE STATE?	YES ☐	NO ☐
Note: Alternatively, 10' buffer with double silt fencing to be utilized where space is limited.		
IF NOT, PROVIDE EQUIVALENT CONTROL MEASURES IN THE SWPPP.		

¹ Acreage for subdivision development includes areas disturbed by construction of roads, utilities and drainage. Additionally, a housesite of at least 10,000 ft² 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 PERMITS?

YES ☐

NO ☐

IF YES, CHECK ALL THAT APPLY: ☐ AIR ☐ HAZARDOUS WASTE ☐ PRETREATMENT

☐ WATER STATE OPERATING

☐ INDIVIDUAL NPDES

☐ OTHER: _____

IS THE PROJECT REROUTING, FILLING OR CROSSING A WATER CONVEYANCE OF ANY KIND? (If yes, contact the U.S. Army Corps of Engineers' Regulatory Branch for permitting requirements.) YES ☐ NO ☐

IF THE PROJECT REQUIRES A CORPS OF ENGINEER SECTION 404 PERMIT, PROVIDE APPROPRIATE DOCUMENTATION THAT:

- The project has been approved by individual permit, or
- The work will be covered by a nationwide permit and NO NOTIFICATION to the Corps is required, or
- The work will be covered by a nationwide or general permit and NOTIFICATION to the Corps is required

IS THE PROJECT REROUTING, FILLING OR CROSSING A STATE WATER CONVEYANCE OF ANY KIND? (If yes, please provide an antidegradation report.) YES ☐ NO ☐

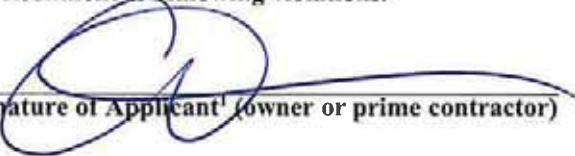
IS A LAKE REQUIRING THE CONSTRUCTION OF A DAM BEING PROPOSED? (If yes, provide appropriate approval documentation from MDEQ Office of Land and Water, Dam Safety.) YES ☐ NO ☐

IF THE PROJECT IS A SUBDIVISION OR A COMMERCIAL DEVELOPMENT, HOW WILL SANITARY SEWAGE BE DISPOSED? Check one of the following and attach the pertinent documents.

- ☐ Existing Municipal or Commercial System. Please attach plans and specifications for the collection system and the associated "Information Regarding Proposed Wastewater Projects" form or approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties. If the plans and specifications can not be provided at the time of LCNOI submittal, MDEQ will accept written acknowledgement from official(s) responsible for wastewater collection and treatment that the flows generated from the proposed project can and will be transported and treated properly. The letter must include the estimated flow.
- ☐ Collection and Treatment System will be Constructed. Please attach a copy of the cover of the NPDES discharge permit from MDEQ or indicate the date the application was submitted to MDEQ (Date: _____.)
- ☐ Individual Onsite Wastewater Disposal Systems for Subdivisions Less than 35 Lots. Please attach a copy of the Letter of General Acceptance from the Mississippi State Department of Health or certification from a registered professional engineer that the platted lots should support individual onsite wastewater disposal systems.
- ☐ Individual Onsite Wastewater Disposal Systems for Subdivisions Greater than 35 Lots. A determination of the feasibility of installing a central sewage collection and treatment system must be made by MDEQ. A copy of the response from MDEQ concerning the feasibility study must be attached. If a central collection and wastewater system is not feasible, then please attach a copy of the Letter of General Acceptance from the State Department of Health or certification from a registered professional engineer that the platted lots should support individual onsite wastewater disposal systems.

INDICATE ANY LOCAL STORM WATER ORDINANCE (I.E. MS4) WITH WHICH THE PROJECT MUST COMPLY:

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 Applicant¹ (owner or prime contractor)

Chloe Kelly
Printed Name¹

4/29/2026

Date Signed

Director of Entitlements
Title

¹This 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 Harrison
(Fill in your Certificate of Coverage Number and County)



MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

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 INFORMATION

OWNER CONTACT PERSON: _____ PHONE NUMBER: (____) _____

OWNER COMPANY NAME: _____

PROJECT INFORMATION

PROJECT NAME: Willow Bend Subdivision (84 lots)

DESCRIPTION OF CONSTRUCTION ACTIVITY: Single-family residential subdivision (84 lots)

PHYSICAL SITE ADDRESS (If the physical address is not available indicate the nearest named road. For linear projects, indicate the beginning of the project and identify all counties the project traverses.)

STREET: Belle La Vie Pkwy

CITY: Biloxi COUNTY: Harrison

I certify that I am the prime contractor for this project and will comply with all the requirements in the above referenced general NPDES permit. I further 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.

Prime Contractor Signature¹ _____

Chloe Kelly
Printed Name¹

Date Signed _____

Director of Entitlements
Title

¹This 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



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.

ORIGINAL COVERAGE RECIPIENT NAME:

COMPANY NAME:

STREET OR P.O. BOX:

CITY: STATE: ZIP:

PHONE # (INCLUDE AREA CODE):

BUYER / HOMEBUILDER:

COMPANY NAME (IF APPROPRIATE):

STREET OR P.O. BOX:

CITY: STATE: ZIP:

BUYER PHONE # (INCLUDE AREA CODE):

RESIDENTIAL SUBDIVISION NAME: _____

LARGE CONSTRUCTION STORM WATER PERMIT COVERAGE NUMBER: **MSR10:** _____ 487-8398

LOT NUMBER(s) (attach an additional sheet if necessary): _____ LOT SIZE(s): _____

PHYSICAL SITE ADDRESS (IF NOT AVAILABLE INDICATE THE NEAREST NAMED ROAD):

STREET: _____

CITY: _____ COUNTY: _____ ZIP: _____

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 persons 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. As a buyer / homebuilder, I further certify that I have read and understand the terms and conditions of Mississippi's Large Construction Storm Water General Permit and that I am responsible for installing and maintaining the appropriate pollution control measures for the purchased lot(s) identified.

Original Coverage Recipient Signature¹

Printed Name

Buyer / Homebuilder Signature¹

Printed Name

2026-09-01

Date Signed

4/29/2026

Title

Date Signed

Title

¹This application shall be signed according to ACT11, T-7 of the Large Construction General Permit.

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.

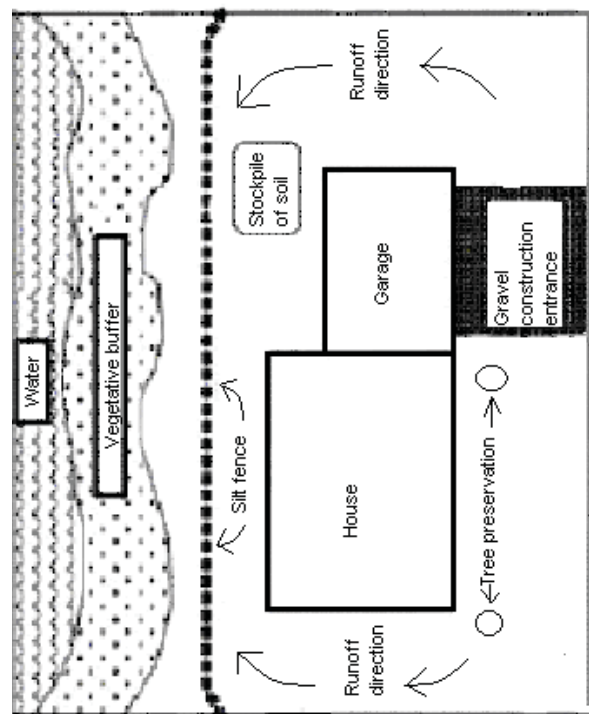
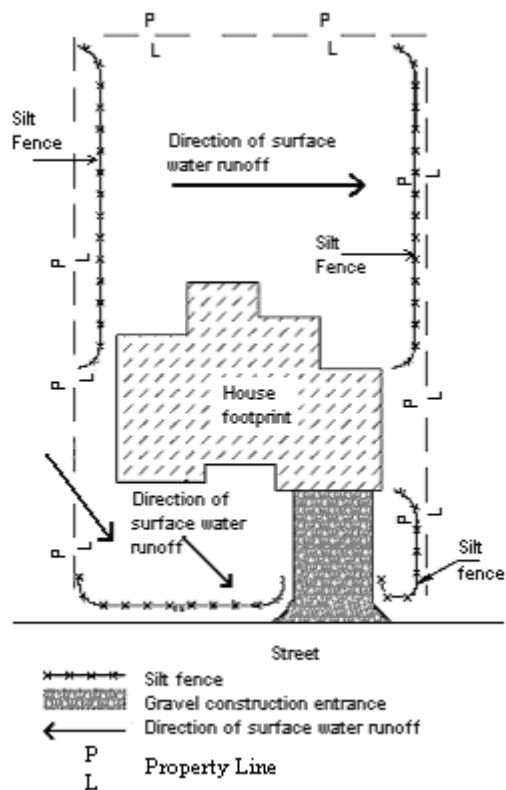
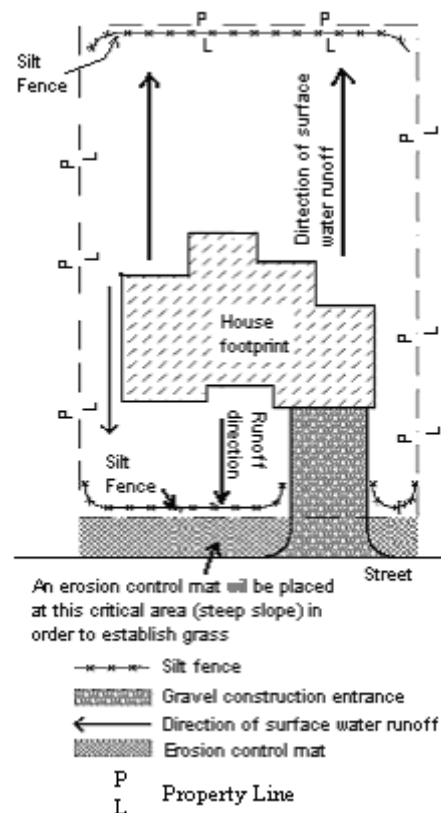
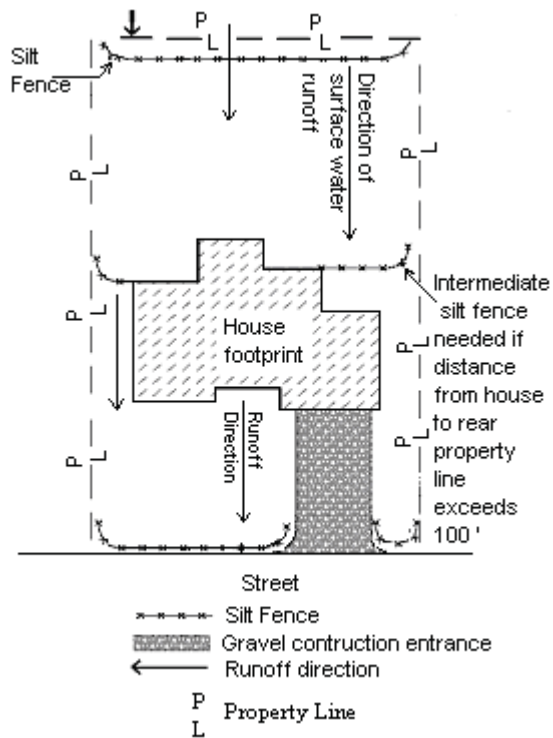
In addition, you should be aware that State air regulations prohibit the open burning of residential solid waste.

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.

EXAMPLE INDIVIDUAL LOT EROSION AND SEDIMENT CONTROL PLANS



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 Only if Requested 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.

COVERAGE RECIPIENT INFORMATION

OWNER/PRIME CONTRATOR NAME: _____
PROJECT NAME: _____
PROJECT STREET ADDRESS: _____
PROJECT CITY: _____ PROJECT COUNTY: _____
OWNER/PRIME CONTRACTOR MAILING ADDRESS: _____
MAILING CITY: _____ STATE: _____ ZIP: _____
CONTACT PERSON: _____ CONTACT PHONE NUMBER: (_____) _____
EMAIL ADDRESS: _____

INSPECTION DOCUMENTATION

DATE (mo/day/yr)	TIME (hr:min AM/PM)	ANY DEFICIENCIES? (CHECK IF YES)	INSPECTOR(S)
		☐	
		☐	
		☐	
		☐	
		☐	
		☐	

Deficiencies Noted During any Inspection (give date(s); attach additional sheets if necessary): _____

Corrective Action Taken or Planned (give date(s); attach additional sheets if necessary): _____

Based upon this inspection, which I or personnel under my direct supervision conducted, I certify that all erosion and sediment controls have been implemented and maintained, except for those deficiencies noted above, in accordance with the Storm Water Pollution Prevention Plan (SWPPP) and sound engineering practices as required by the above referenced permit. I further certify that the LCN01 and SWPPP information is up to date.

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 gather and evaluate the information submitted. Based on my inquiry of the person or persons 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.

Authorized Signature

Printed Name

Date

Director of Entitlements

Title

**MAJOR MODIFICATION FORM
FOR LARGE CONSTRUCTION GENERAL PERMIT**
Coverage No. MSR10 _____ County _____



INSTRUCTIONS

Coverage recipients shall notify the Mississippi Department of Environmental Quality at least 30 days in advance of the following activities (check all that apply). This form should be submitted with a modified Storm Water Pollution Prevention Plan (SWPPP), updated USGS topographic map, Corps of Engineers Section 404 documentation and wastewater collection and treatment information, as appropriate.

☐ SWPPP details have been developed and are ready for MDEQ review for subsequent phases of an existing, covered project.

☐ "Footprint" identified in the original LCNOI is proposed to be 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 INFORMATION MUST BE COMPLETED (indicate "N/A" where not applicable)

COVERAGE RECIPIENT INFORMATION

COVERAGE RECIPIENT CONTACT NAME: _____ TEL # (____) _____

COMPANY NAME: _____

STREET OR P.O. BOX: _____

CITY: _____ STATE: _____ ZIP: _____ E-MAIL: _____

PROJECT INFORMATION

PROJECT NAME: _____

CITY: _____

ADDITIONAL ACREAGE TO BE DISTURBED: _____ TOTAL PROJECT ACREAGE: _____

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 (must be signed by coverage recipient)

Date

Printed Name

Title

Please submit this form to:

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

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. Facility Name: _____ Location: (Do Not Use P.O. Box) Street: _____ City: _____ State: <u>MS</u> Zip: _____ County: _____ Telephone: (_____) _____	Item II. Responsible official after transfer or name change: Name: _____ Title: _____ Mailing Address: Street/P.O. Box: _____ City: _____ State: _____ Zip: _____ Telephone (_____) _____								
Item III. Previous Permittee¹: _____ Mailing Address: Street/P.O. Box: _____ City: _____ State: _____ Zip: _____ Telephone: (_____) _____	Item IV. New Permittee¹: _____ Mailing Address: Street/P.O. Box: _____ City: _____ State: _____ Zip: _____ Telephone: (_____) _____								
Item V. Industrial Activity SIC Code: _____ Brief Description: _____	Item VI. Will Facility Operations Change? Yes _____ No _____ If yes, the appropriate applications and permits may require modification prior to change.								
Item VII. Will Facility Name Change? Yes _____ No _____ If Yes, Provide New Name for Permit Coverage. New Name: _____	Item VIII. Signature for Name Change Print Name: _____ Authorized Signature²: _____ Title: _____ Date: _____								
Item IX. We the undersigned request transfer of permit(s) and/or permit coverage(s) listed on the backside of this form. From: _____ To: _____ Acquisition Date: _____ By signature below, the recipient certifies that: 1) they are aware of the requirements of the permit(s), 2) the applicant can demonstrate to the Permit Board it has the financial resources and operational expertise and 3) agrees to accept responsibility and liability for the permit(s) listed on the back of this document. By signature below, the previous permittee is requesting that the permit(s) and/or permit coverage(s) be transferred to the recipient. The transfer of the permit(s) or permit coverage(s) will be by written notification from the Office of Pollution Control (OPC). The OPC may require submittal of information regarding financial capability and past compliance history of the recipient. <table style="width: 100%; margin-top: 20px;"> <tr> <td style="width: 50%;"> _____ Print New Permittee¹ Name </td> <td style="width: 50%;"> _____ Print Previous Permittee¹ Name </td> </tr> <tr> <td> _____ New Authorized Signature² </td> <td> _____ Previous Authorized Signature² </td> </tr> <tr> <td> _____ Title </td> <td> _____ Title </td> </tr> <tr> <td> _____ Date </td> <td> _____ Date </td> </tr> </table>		_____ Print New Permittee¹ Name	_____ Print Previous Permittee¹ Name	_____ New Authorized Signature²	_____ Previous Authorized Signature²	_____ Title	_____ Title	_____ Date	_____ Date
_____ Print New Permittee¹ Name	_____ Print Previous Permittee¹ Name								
_____ New Authorized Signature²	_____ Previous Authorized Signature²								
_____ Title	_____ Title								
_____ Date	_____ Date								

¹A Permittee is a company or individual that has been issued an individual permit or coverage under a general permit.

²Authorized Signature must be owner or in the case of a corporation, a corporate officer as defined in Regulations 11 Miss. Admin. Code Pt. 2, Ch. 2. and 11 Miss. Admin. Code Pt. 6, Ch. 1.

Mississippi Department of Environmental Quality/Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225
(601) 961-5171

Item X. Storm Water (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.	Item XI. Hazardous Waste ID Number 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 Coverage(s) to be Transferred	
Permit Type: _____ Permit/Coverage No.: _____ Permit Issuance Date: _____ Date of General Permit Coverage: _____ Permit Expiration Date: _____	Permit Type: _____ Permit/Coverage No.: _____ Permit Issuance Date: _____ Date of General Permit Coverage: _____ Permit Expiration Date: _____
Permit Type: _____ Permit/Coverage No.: _____ Permit Issuance Date: _____ Date of General Permit Coverage: _____ Permit Expiration Date: _____	Permit Type: _____ Permit/Coverage No.: _____ Permit Issuance Date: _____ Date of General Permit Coverage: _____ Permit Expiration Date: _____
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Permit Type: _____ Permit/Coverage No.: _____ Permit Issuance Date: _____ Date of General Permit Coverage: _____ Permit Expiration Date: _____	OTHER INFORMATION:

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.

COVERAGE RECIPIENT INFORMATION

COVERAGE RECIPIENT CONTACT PERSON: _____

COMPANY NAME: _____

STREET OR P.O. BOX: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE # (INCLUDE AREA CODE): _____ E-MAIL: _____

PROJECT INFORMATION

CONSTRUCTION STORM WATER GENERAL PERMIT COVERAGE NUMBER: **MSR10** _ _ _ _

PROJECT NAME: _____

CITY: _____ COUNTY: _____

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. **I further certify that: 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.**

Signature (must be signed by coverage recipient) _____

Date Signed _____

Printed Name _____

Title _____

Please submit this form to:

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

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): _____

City: _____ **County:** _____ **Zip:** _____

Coverage Recipient Company Name: _____

Street Address / P.O. Box: _____

City: _____ **State:** _____ **Zip:** _____

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.**

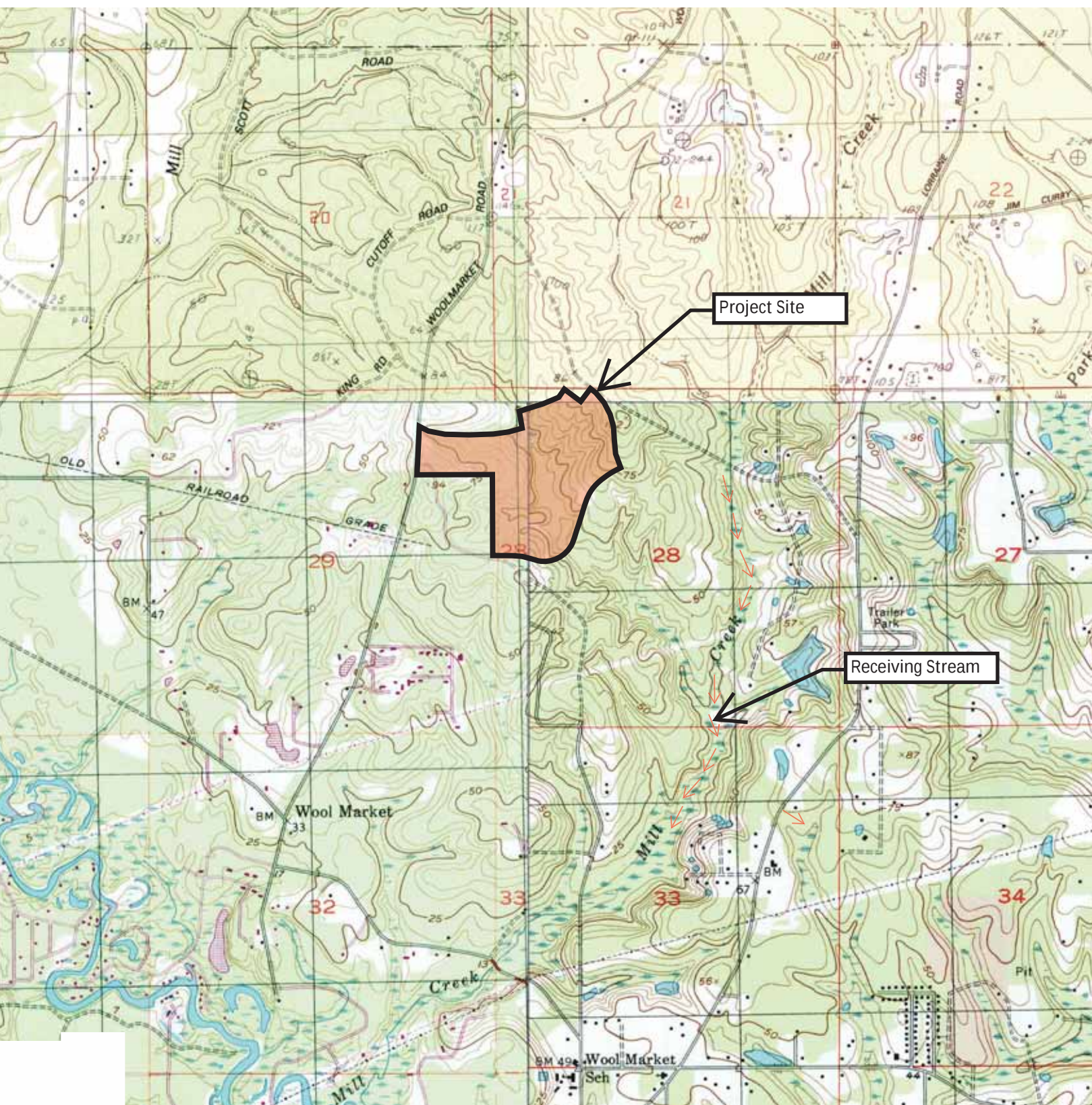
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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 Water Act.

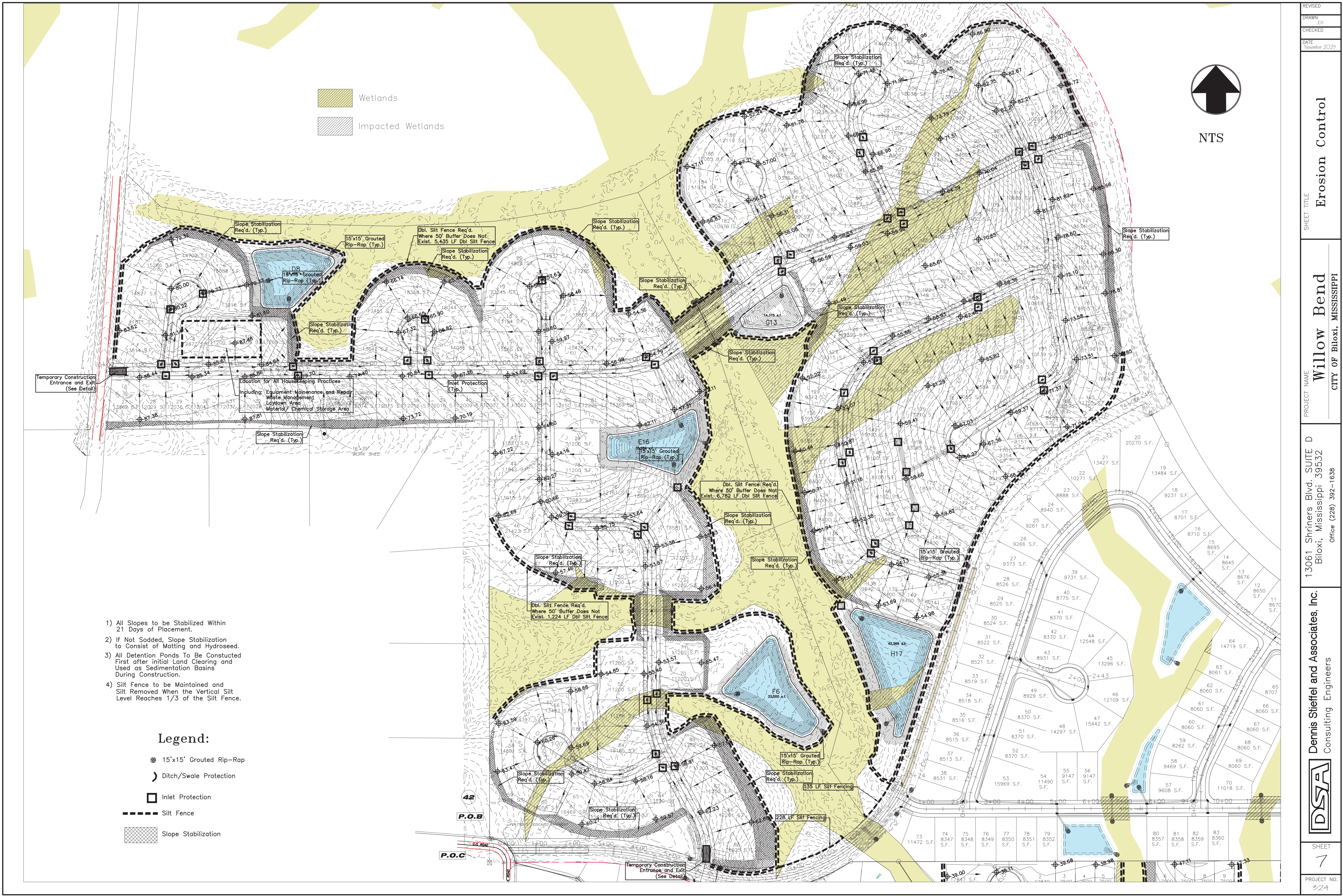
Authorized Name (Print) Telephone Signature Date Signed

¹This 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.
- 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
P.O. Box 2261
Jackson, Mississippi 39225





MAINTENANCE 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 isolated concentrations of surface drainage.
- 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 fertilizer.
- 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 construction of the project, c) all sedimentation basin outfalls to have triple layers of silt fence installed and d) all wastewater shall be 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.
- 2) Construct construction entrance/exits(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.
- 5) Install vegetative controls.
- 6) Construct roadways, drives, parking and buildings.
- 7) Perform final grading, grassing and landscaping operations.
- 8) After site is stabilized, remove all temporary measures and any excess sedimentation from basins.
- 9) Where construction is to take place in multiple phases, subsequent phases are to commence 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 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.

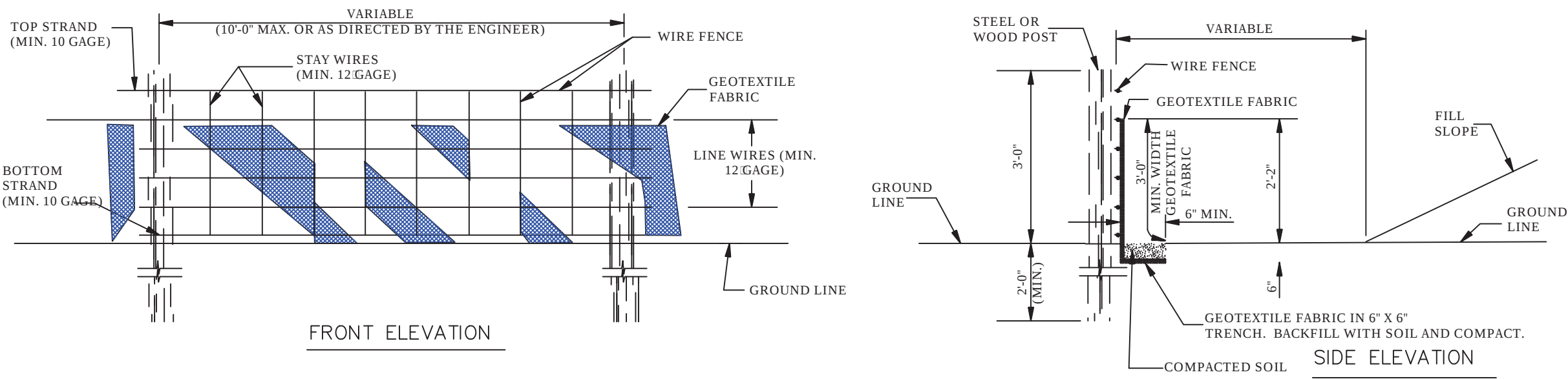
Emergency spill kit and telephone shall be available for use for site. Any spills in danger of migrating off-site shall be immediately reported to the National Response Center at (800) 424-8802.

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. The formation of a Stormwater Team is required to conduct regular inspections to ensure proper BMP maintenance, record keeping and prompt corrective action when needed to ensure compliance with SWPPP.

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 recovery 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:

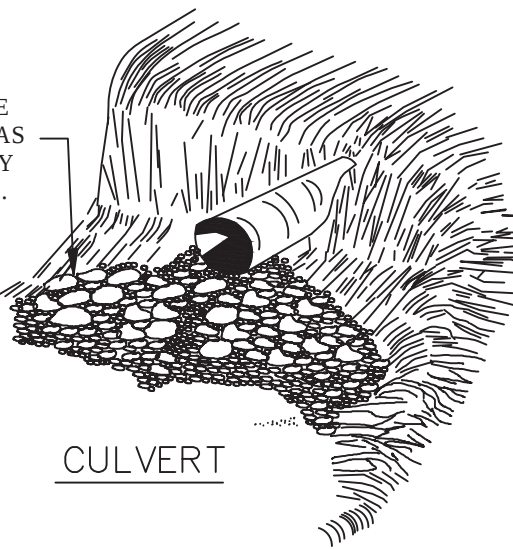
- (1) SWPPP goals and plan components including:
- (A) Housekeeping and pollution prevention requirements
- (B) Spill prevention and response procedures
- (C) Identification and elimination of non-allowable, non-storm water discharges
- (D) Installation, maintenance and inspection of erosion and sediment 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



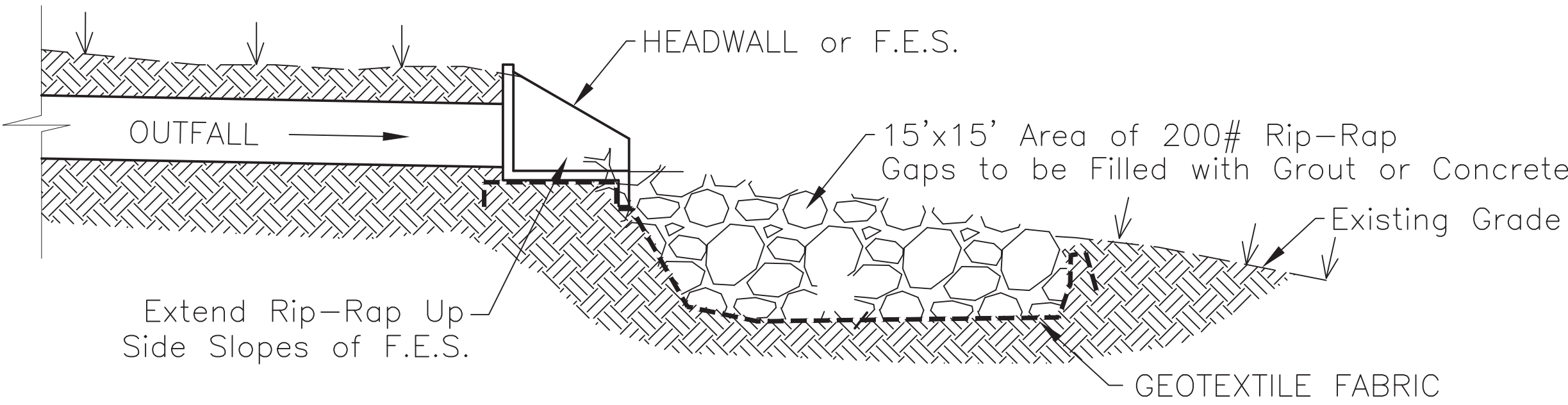
TEMPORARY SILT FENCING

FALL OF DITCH (%)	DISTANC* (ft)
0 - 1	100'
1 - 2	50'
> 2	25'

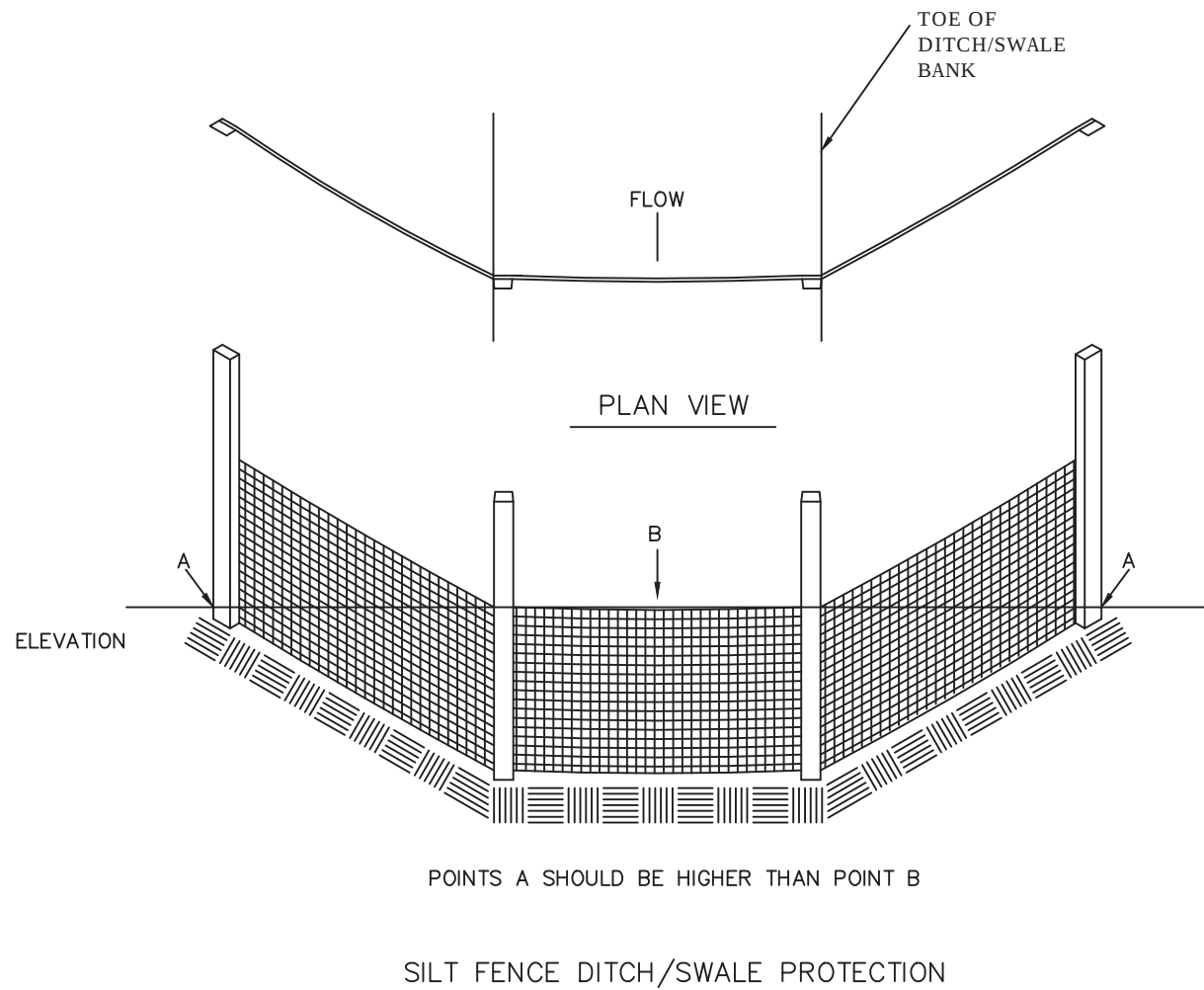
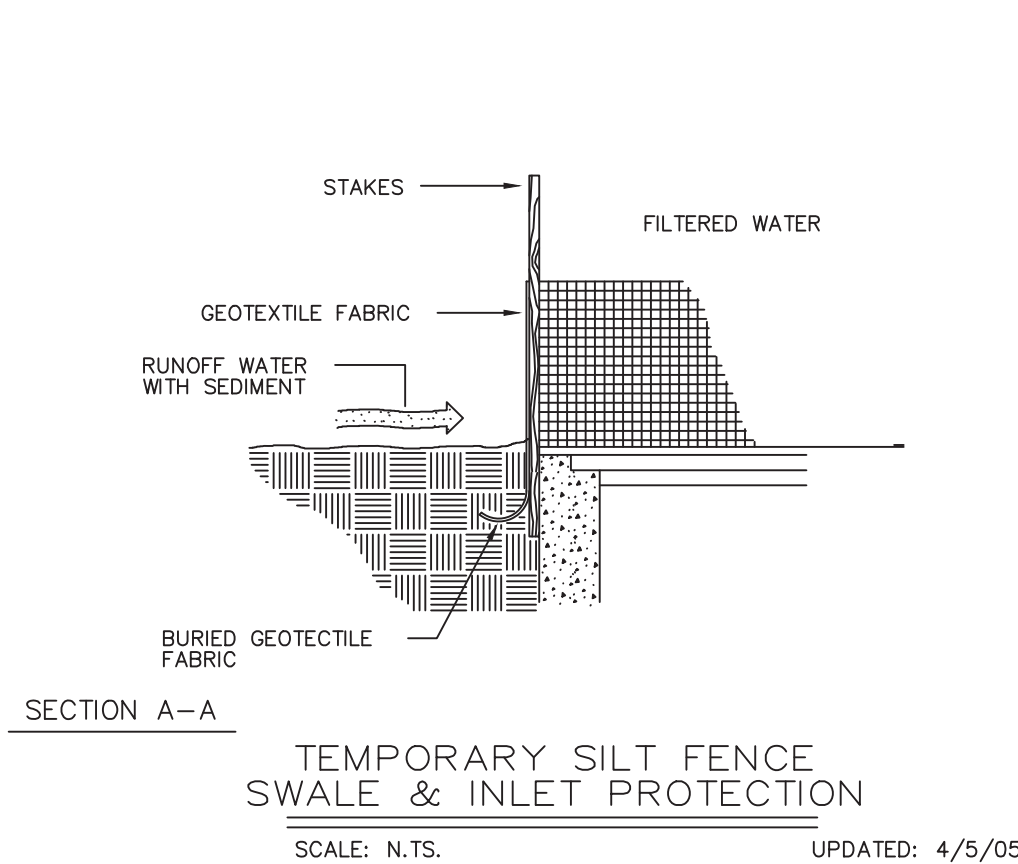
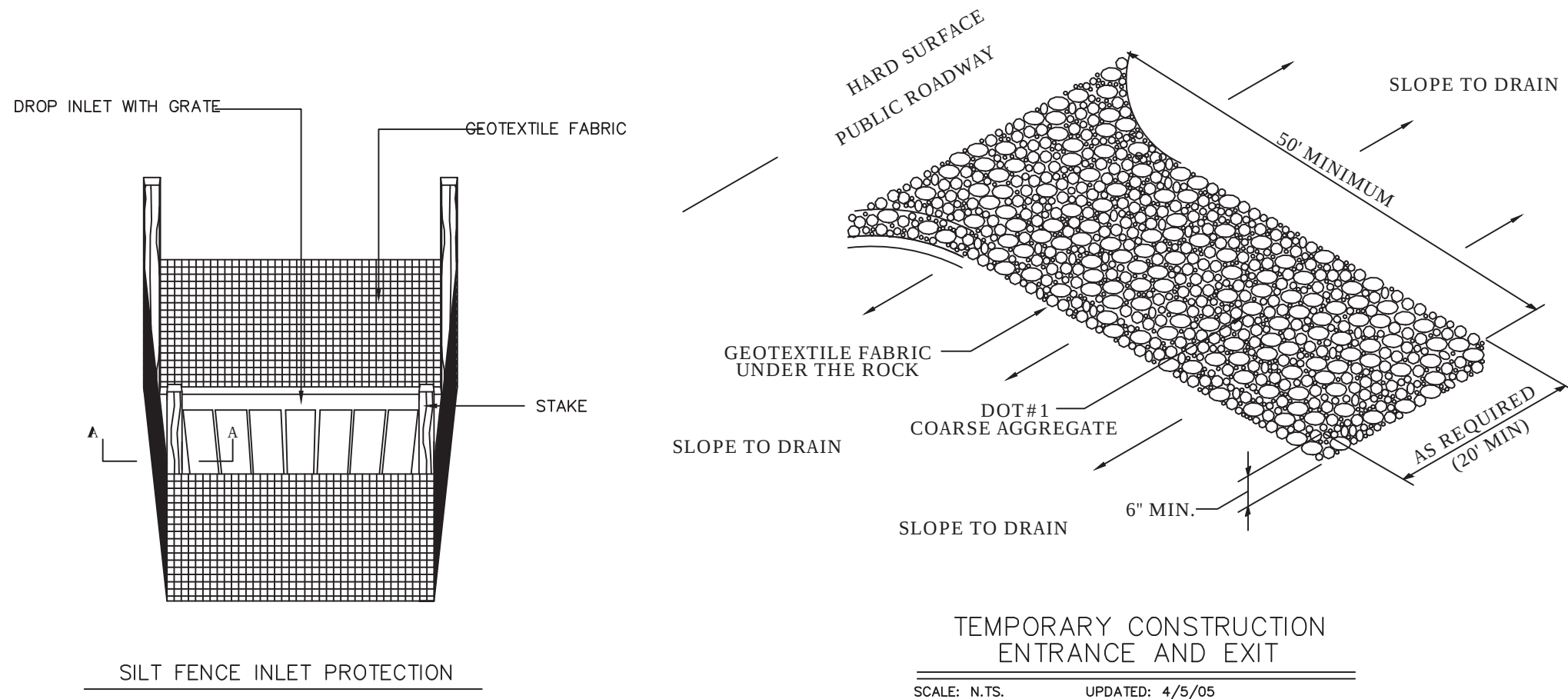
RIP RAP WHERE SPECIFIED OR AS DESIGNATED BY THE ENGINEER.

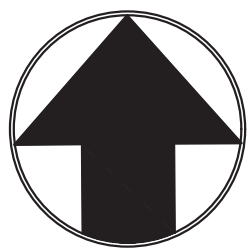


MIN. DISTANCES FOR EROSION CHECKS

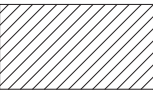


Grouted Rip-Rap @ Outfalls

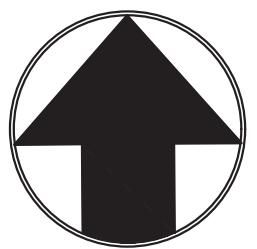
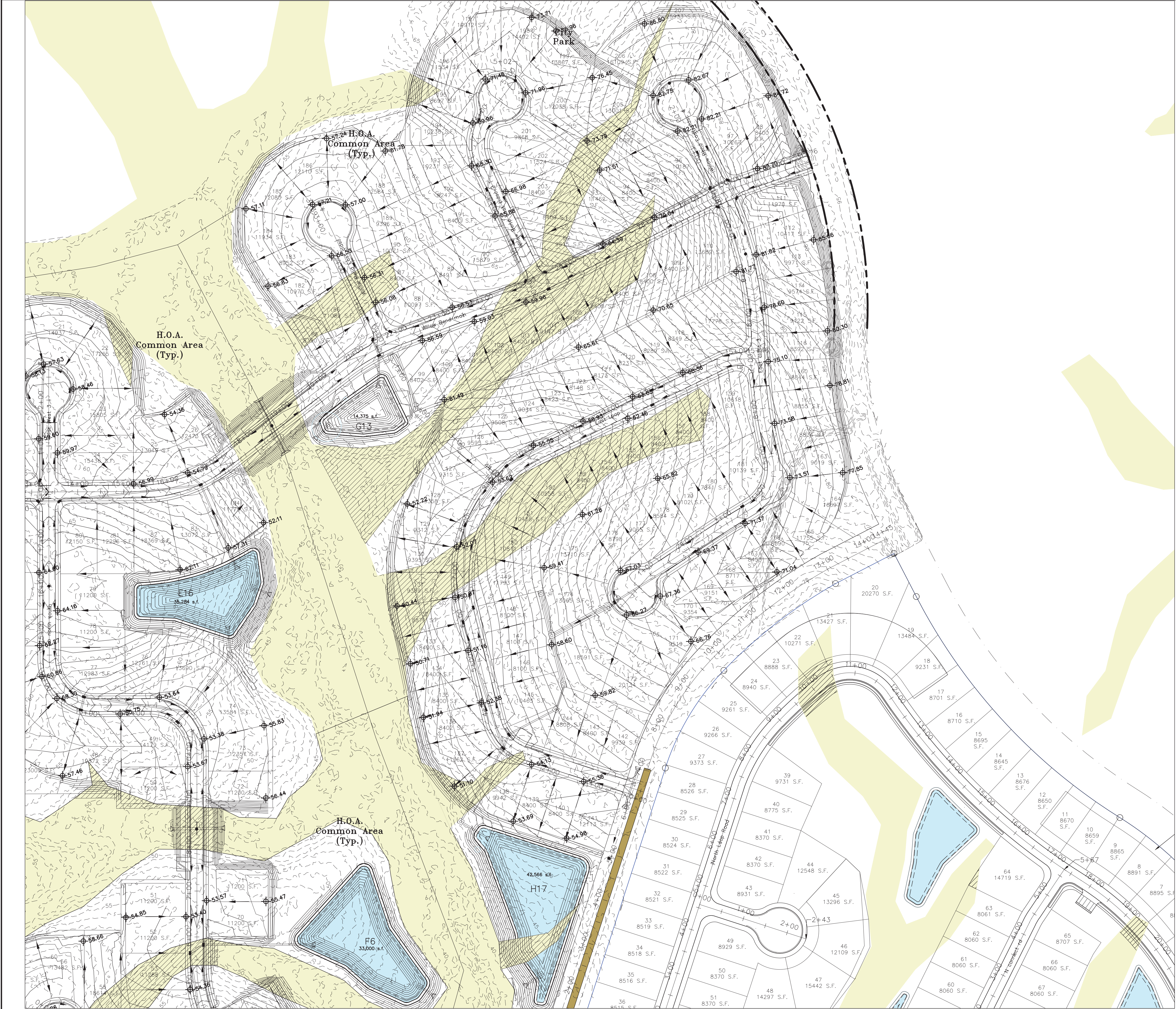




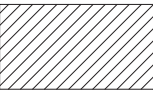
1"=100'

-  Wetlands
-  Impacted Wetlands 6.8 Acres

	Dennis Stieffel and Associates, Inc. Consulting Engineers	PROJECT NO. 324	SHEET =	PROJECT NAME Willow Bend CITY OF Biloxi, MISSISSIPPI	SHEET TITLE Grading Plan Phase 1	REVISED
						DRAWN LH
						CHECKED
						DATE November 2022
13061 Shriners Blvd. SUITE D Biloxi, Mississippi 39532 Office (228) 392-1638						

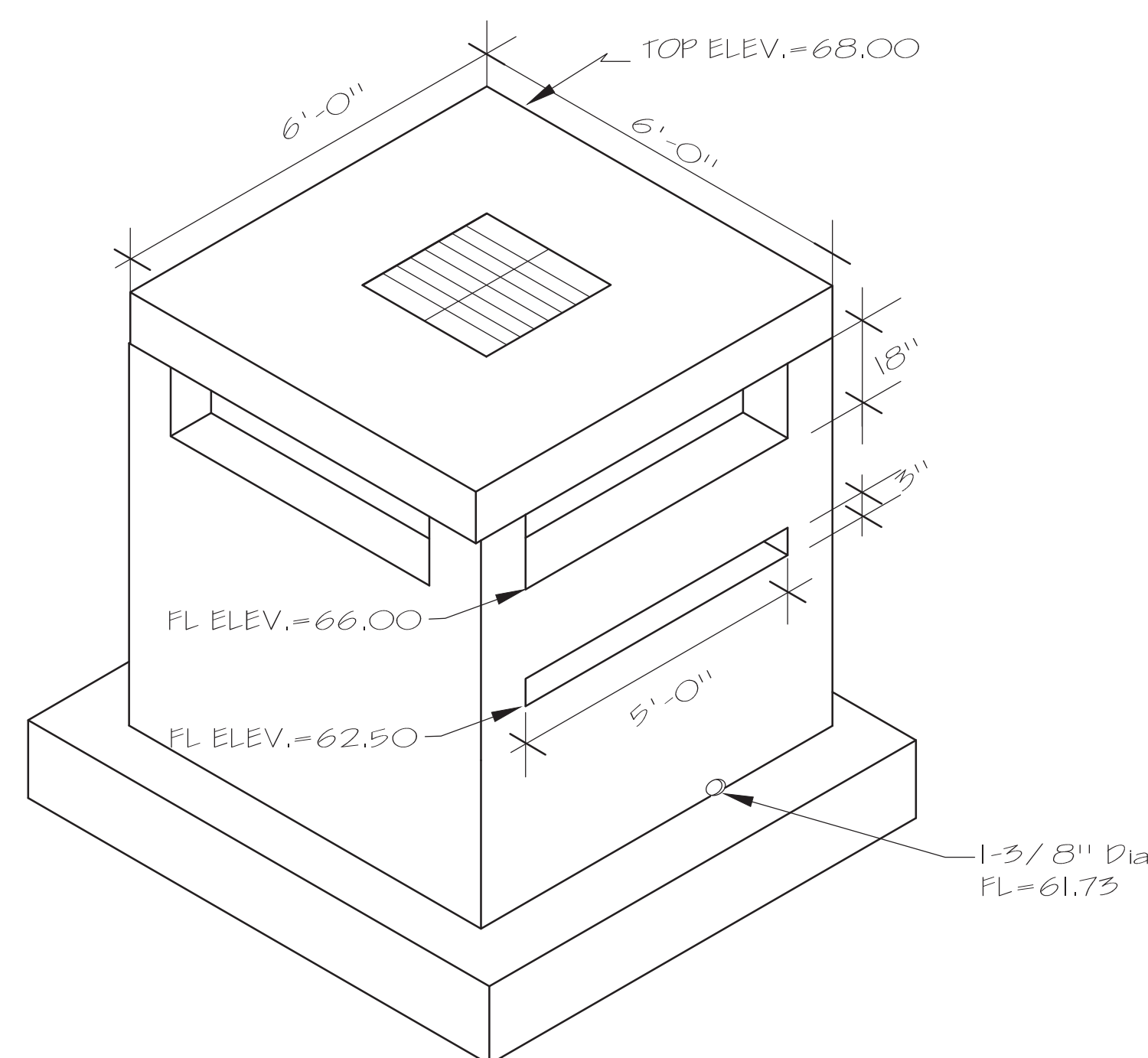
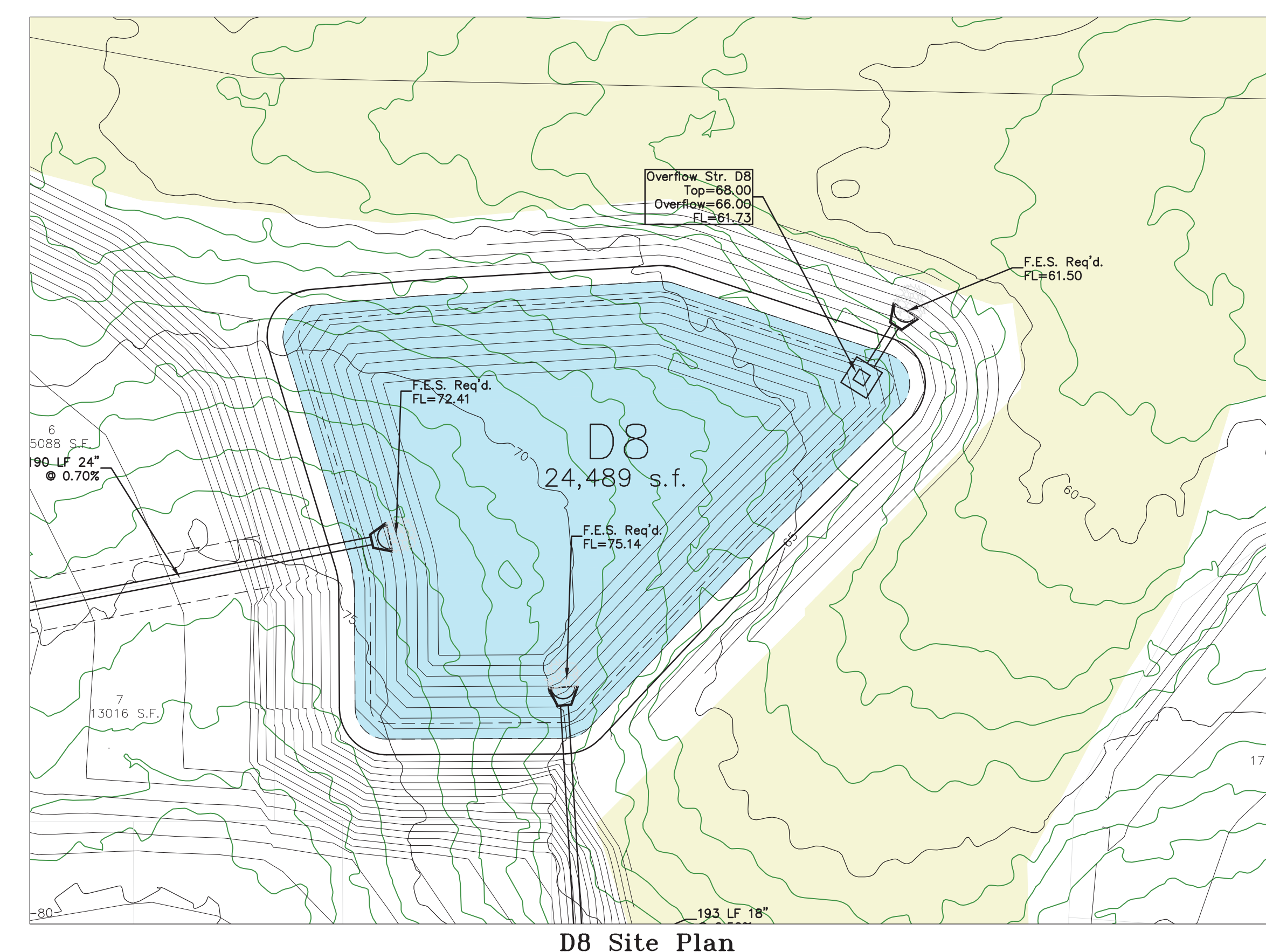


1"=100'

-  Wetlands
-  Impacted Wetlands 6.8 Acres



REVISED	
DRAWN	LO
CHECKED	
DATE	November 2029
SHEET TITLE	
Grading Plan Phase 2	
PROJECT NAME	
Willow Bend	
CITY OF Biloxi, MISSISSIPPI	
PROJECT NAME	
13061 Shriners Blvd. SUITE D	
Biloxi, Mississippi 39532	
Office (228) 392-1638	
PROJECT NAME	
Dennis Stieff and Associates, Inc.	
Consulting Engineers	
SHEET	
12	
PROJECT NO.	
324	



OVERFLOW	STRUCTURE
N.T.S.	

NOTE:
OVERFLOW BOX TO BE CONSTRUCTED WITH
THE SAME MIN. DIMENSIONS NOTED ON THE
CATCH BASIN DETAILS EXCEPT WHERE OTHERWISE
SPECIFIED.

OVERFLOW WEIR DETAIL

N.T.S.

MDEQ/ WQC Detention Basin Calculations																							Project No. 324P									
Willow Bend Subdivision (209 lots)																							December 2011									
Basin	Drainage Area (ac)	Swale Length (avg)	Units/Basin	Basin Geometrics			Average Surface Area Provided (sf)	*Basin Vol Req'd (cf)	*Basin Vol Provided (cf)	Circular Orifice Dia (in)	Return Time (min)	Top of Bank		Top of Storage		Avg Storage	Bot of Storage		Bot of Basin		Rectangular Orifice			Overflow Structure		Forebay Geometrics						
	(input)	(input)	(input)	Avg Len (ft)	Avg Wid (ft)	Depth (ft)	Required (sf)	(input)	(input)	(input)	(input)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Top (Elev)	Bot (Elev)	Width (ft)	Top (Elev)	Width (ft)	Vol (cf)	L (ft)	W (ft)			
														(input)				(input)			(input)	(input)	(input)	(input)	(input)			(in)				
D8	6.5	275	18	46	23	4.27	1,054	24,489	4,500	104,568	1 3/8	54	200+	68.00	0.1016	66.00	0.0579	63.87	0.0242	61.73	0.0039	59.73	23,000	62.75	62.50	5.00	68.00	5.00	900	12	12	6
E16	16.8	275	45	54	27	7.78	1,446	35,284	11,250	274,510	2 3/8	50	200+	58.00	0.1714	56.00	0.1131	52.11	0.0332	48.22	-0.0022	46.22	23,000	50.25	50.00	5.00	58.00	5.00	2,250	19	19	6
F6	7.9	275	21	47	23	4.77	1,101	33,000	5,250	157,410	1 5/8	53	200+	47.00	0.1102	45.00	0.0845	42.62	0.0253	40.23	0.0028	38.23	23,000	41.28	41.00	5.00	47.00	5.00	1,050	13	13	6
G13	15.8	275	56	76	38	4.81	2,911	14,375	14,000	69,144	1 1/2	53	200+	55.00	0.1879	53.00	0.1259	50.60	0.0668	48.19	0.0248	46.19	23,000	50.75	50.50	5.00	55.00	5.00	2,800	21	21	6
H17	18.7	275	69	77	39	5.77	2,990	42,566	17,250	245,608	2 1/4	49	200+	50.00	0.2078	48.00	0.1423	45.12	0.0686	42.23	0.0194	40.23	23,000	43.25	43.00	5.00	50.00	5.00	3,450	23	23	6
				209		(2' min.)						(DCD)	48 to 72	(TOB)		(TOS)				(BOS)				(TRO)	(BRO)	(WRO)	(TOFS)	(WOF5)				

*Minimum basin volume required for first 1-1/2" over impervious surfaces (3,500 sf per lot).

**Actual basin volume provided in Construction Plans.

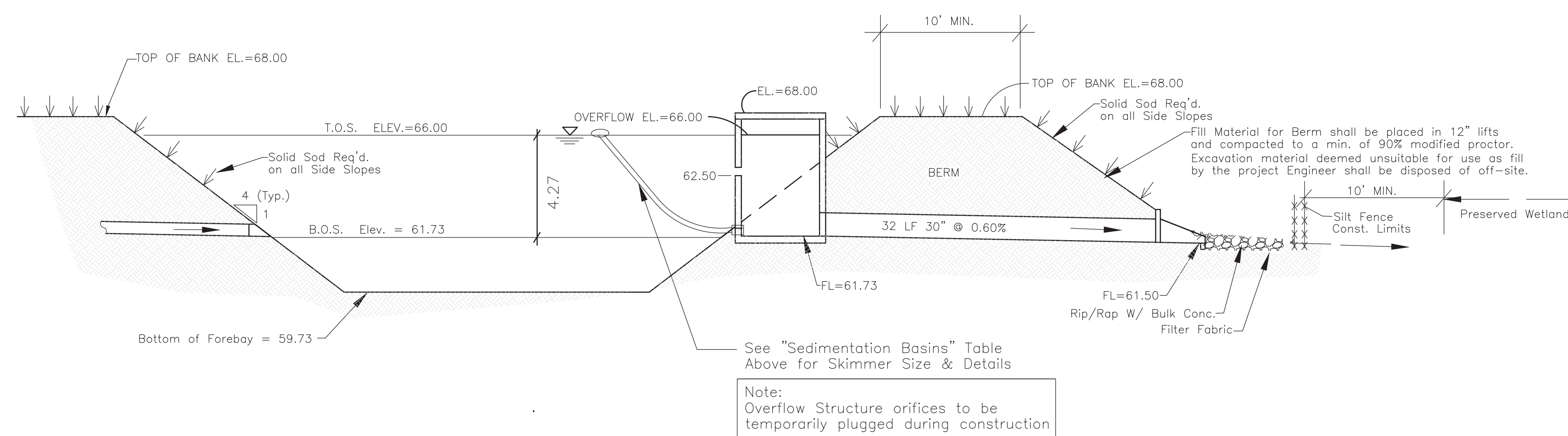
Note: Outfall structure to drain 1/2 the volume within 48 to 72 hours with no more than 1/2 the volume being discharged within 48 hours.

Abbreviations:

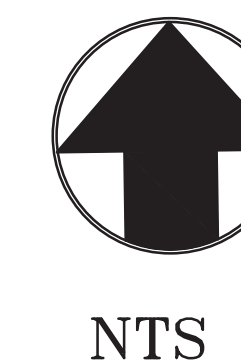
DCD - Diameter of Circular Orifice
TOB - Top of Bank
TOS - Top of Storage

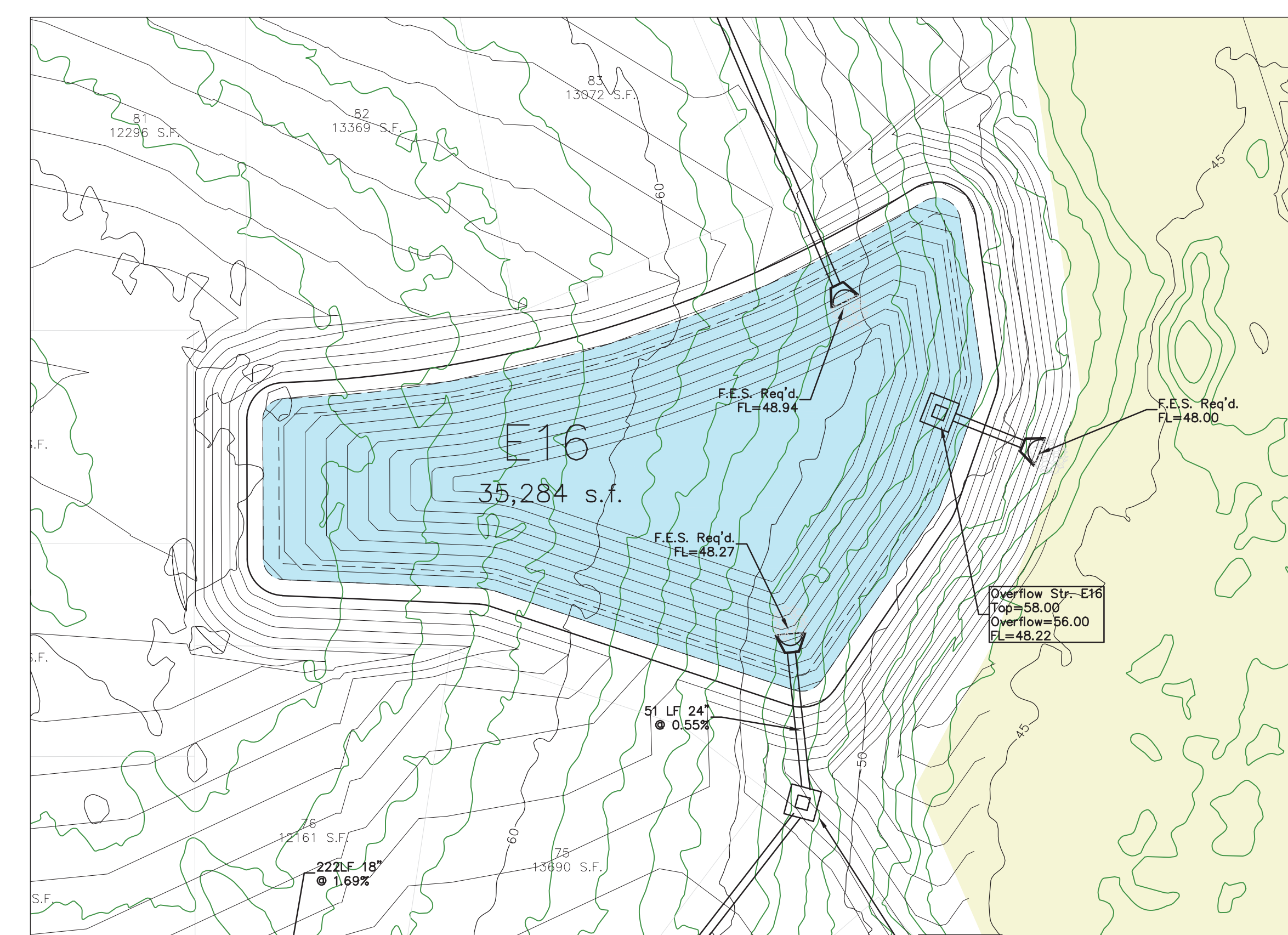
BOS - Bottom of Storage
TRO - Top of Rectangular Orifice
BRO - Bottom of Rectangular Orifice

WRO - Width of Rectangular Orifice
TOFS - Top of Overflow Structure
WOF5 - Width of Overflow Structure



Section of Detention D8
N.T.S.





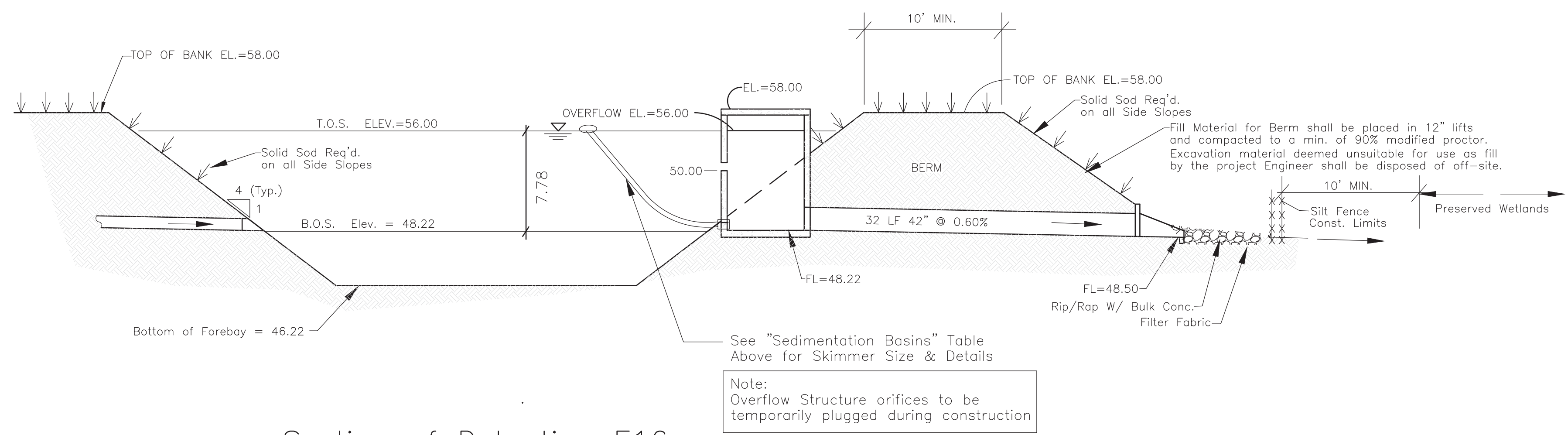
MDEQ/ WQC Detention Basin Calculations
Willow Bend Subdivision (209 lots)

Project No. 324Ph145
December 21, 2025

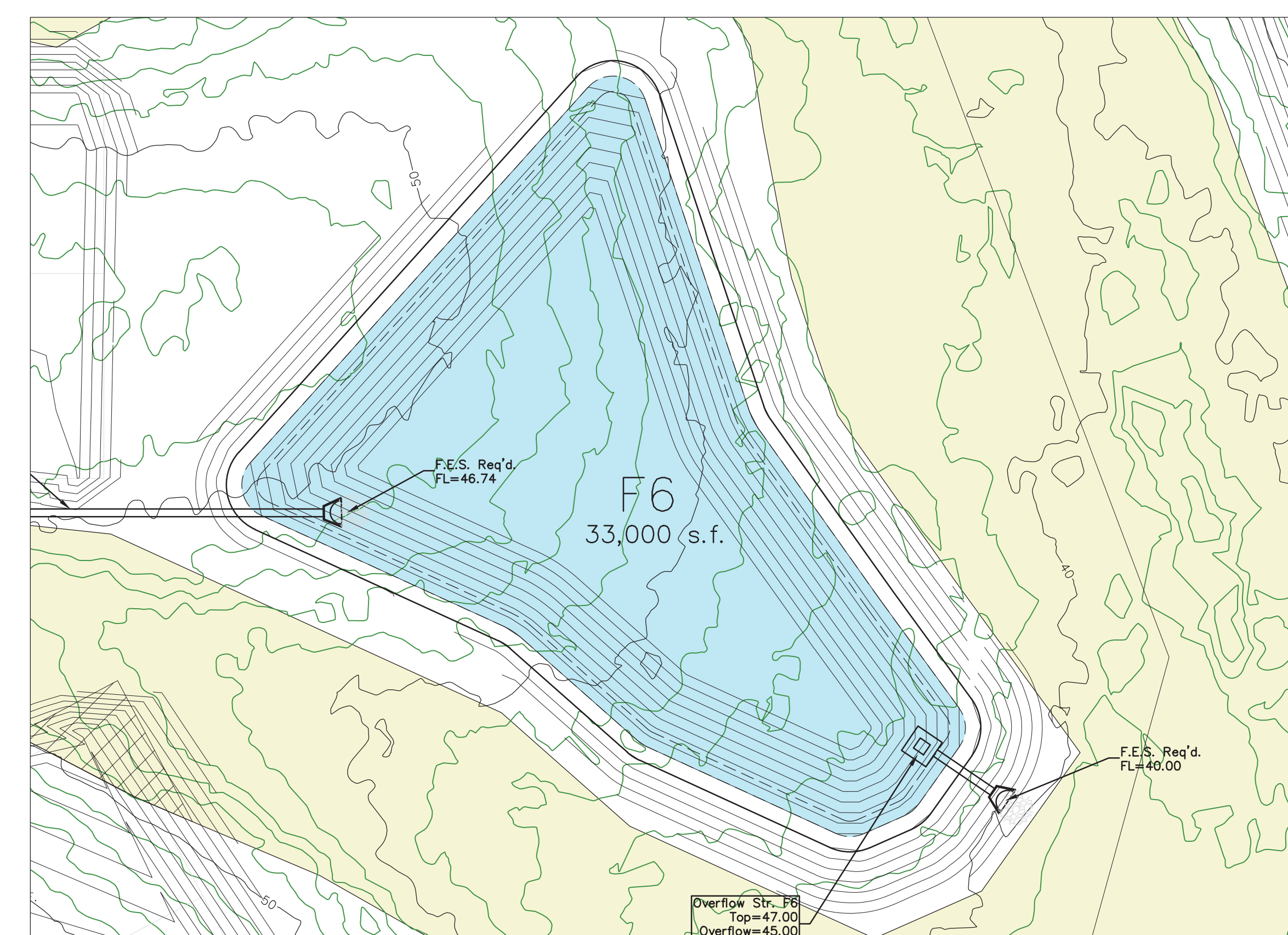
Basin	Drainage Area (ac)	Swale Length (avg) (input)	Unit/ft Basin (input)	Basin Geometrics			Average Surface Area		*Basin Vol Req'd (cf)	*Basin Vol Provided (cf)	Circular Orifice Dia (ft) (input)	Return Time		Top of Bank		Top of Storage		Avg Storage		Bot of Storage		Bot of Basin		Rectangular Orifice			Overflow Structure		Forebay Geometrics				
				Avg Len (ft)	Avg Wld (ft)	Depth (ft)	Required (sf)	Provided (sf)				1st Half (hrs)	Total (hrs)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Top (Elev) (input)	Bot (Elev) (input)	Width (ft) (input)	Top (Elev) (input)	Width (ft) (input)	Vol (cf)	L (ft)	W (ft)	D (ft)	
D8	6.5	275	18	46	23	4.27	1,054	24,489	4,500	104,568	1 3/8	54	200+	88.00	0.1016	66.00	0.0579	63.87	0.0242	61.73	0.0039	59.73	23,000	62.75	62.50	5.00	68.00	5.00	900	12	12	6.5	
E16	16.8	275	45	54	27	7.78	1,446	35,284	11,250	274,510	2 3/8	50	200+	88.00	0.1714	66.00	0.1131	52.11	0.0332	48.22	-0.0022	46.22	23,000	50.25	50.00	5.00	58.00	5.00	2,250	19	19	6.5	
F6	7.9	275	21	47	23	4.77	1,101	33,000	5,250	157,410	1 5/8	53	200+	47.00	0.1102	45.00	0.0645	42.62	0.0253	40.23	0.0028	38.23	23,000	41.25	41.00	5.00	47.00	5.00	1,050	13	13	6.5	
G13	15.8	275	56	76	38	5.81	2,911	14,375	14,000	69,144	1 1/2	53	200+	55.00	0.1879	53.00	0.1259	50.60	0.0668	48.19	0.0248	46.19	23,000	50.75	50.50	5.00	55.00	5.00	2,800	21	21	6.5	
H17	18.7	275	69	77	39	5.77	2,990	42,566	17,250	245,608	2 1/4	49	200+	50.00	0.2078	48.00	0.1423	45.12	0.0686	42.23	0.0194	40.23	23,000	43.25	43.00	5.00	50.00	5.00	3,450	23	23	6.5	
				209		(2' min.)					(DCO)	48 to 72		(TOB)		(TOS)							(BOS)				(TRO)	(BRO)	(WRO)	(TOFS)	(WOFS)		

*Minimum basin volume required for first 1-1/2" over impervious surfaces (3,500 sf per lot).
**Actual basin volume provided in Construction Plans.
Note: Outfall structure to drain 1/2 the volume within 48 to 72 hours with no more than 1/2 the volume being discharged within 48 hours.

Abbreviations:
DCO - Diameter of Circular Orifice
TOB - Top of Bank
TOS - Top of Storage
BOS - Bottom of Storage
TRO - Top of Overflow Structure
BRO - Bottom of Rectangular Orifice
WRO - Width of Rectangular Orifice
TOFS - Top of Overflow Structure
WOFS - Width of Overflow Structure

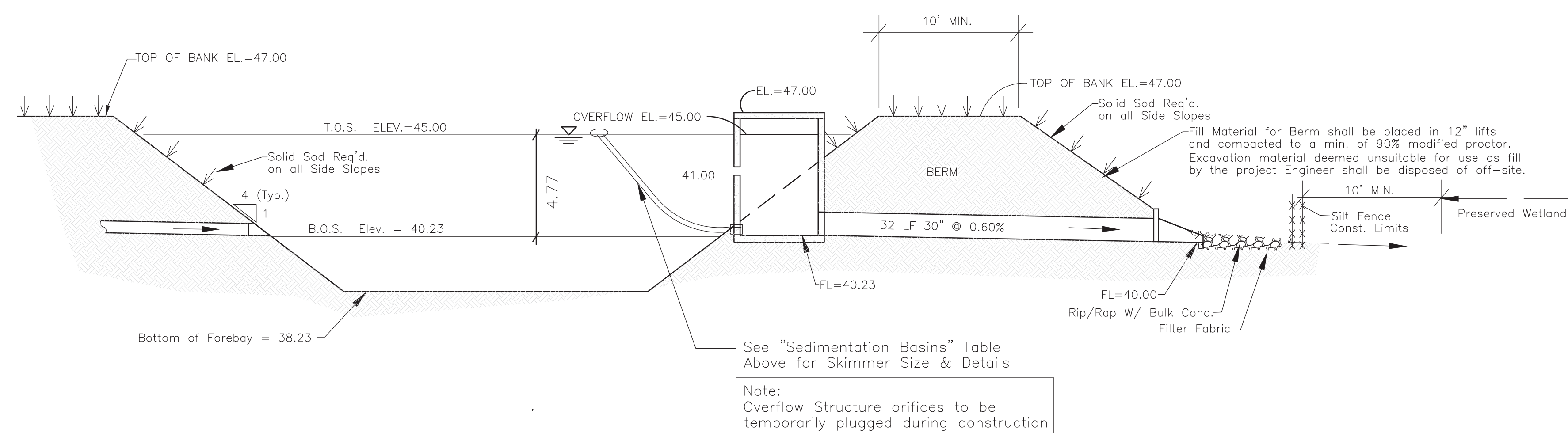


Section of Detention E16

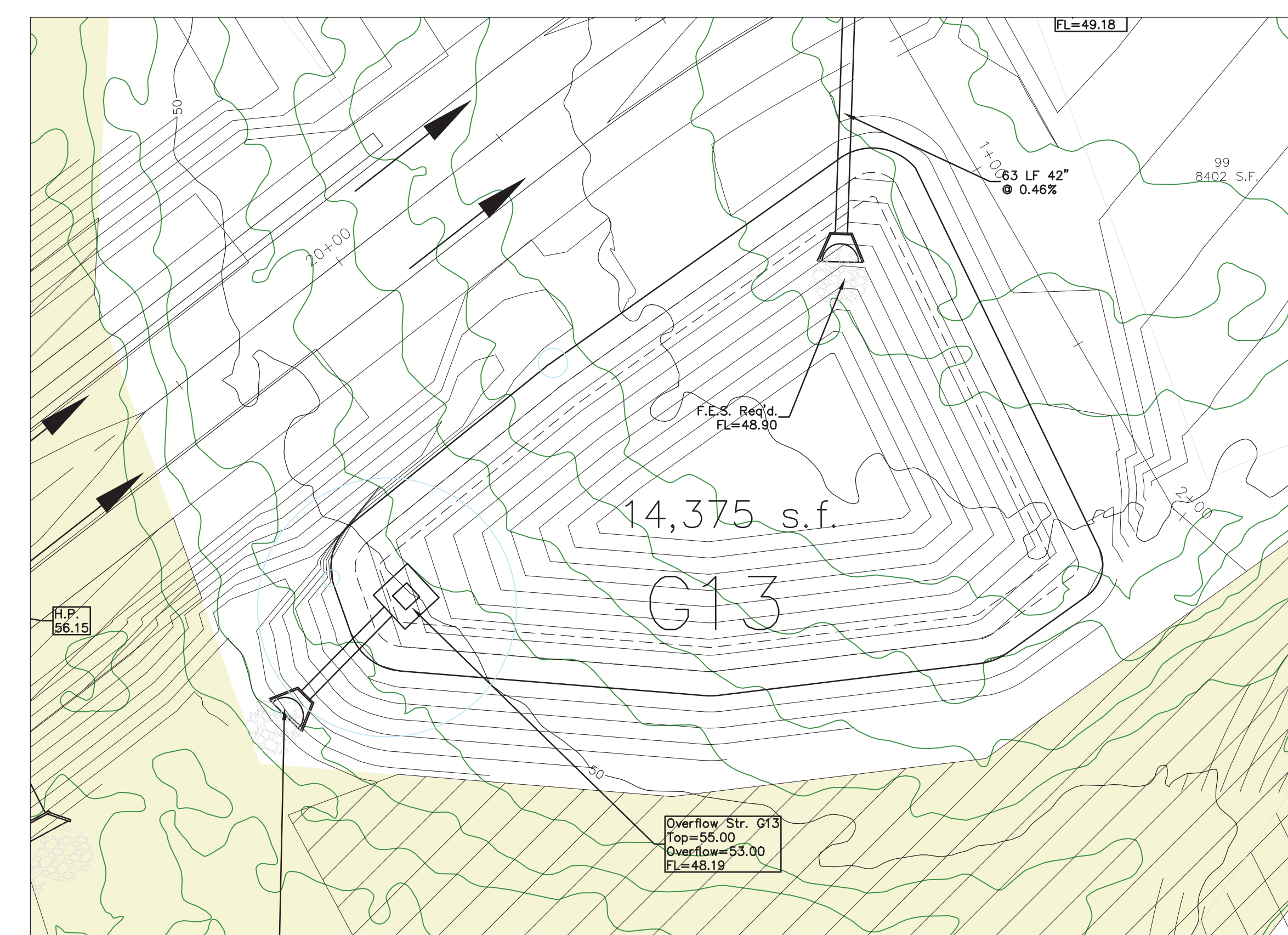


NTS

MDEQ/ WQC Detention Basin Calculations																											Project No. 324P						
Willow Bend Subdivision (209 lots)																											December 21,						
Basin	Damage Area (ac)	Swale Length (ft)	Units/ Basin	Basin Geometrics			Average Surface Area Required (sf)	Area Provided (sf)	*Basin Vol Req'd (cf)	*Basin Vol Provided (cf)	Circular Orifice Dia (in)	Return Time		Top of Bank		Top of Storage		Avg Storage		Bot of Storage		Bot of Basin		Rectangular Orifice			Overflow Structure		Forebay Geometrics				
	(input)	(input)	(input)	Avg Len (ft)	Avg Wid (ft)	Depth (ft)		(input)		(input)	(input)	(input)	(input)	(input)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Top (Elev)	Bot (Elev)	Width (ft)	Top (Elev)	Width (ft)	Vol (cf)	L (ft)	W (ft)	
																								(input)	(input)	(input)	(input)	(input)			(in)		
D8	6.5	275	18	46	23	4.27	1,054	24,489	4,500	104,568	1	3/8	54	200+	68.00	0.1016	66.00	0.0579	63.87	0.0242	61.73	0.0039	59.73	23.0000	62.75	62.50	5.00	68.00	5.00	900	12	12	6
E16	16.8	275	45	54	27	7.78	1,448	35,284	11,250	274,510	2	3/8	50	200+	58.00	0.1714	56.00	0.1131	52.11	0.0332	48.22	-0.0022	46.22	23.0000	50.25	50.00	5.00	58.00	5.00	2,250	19	19	6
F6	7.9	275	21	47	23	4.77	1,101	33,000	5,250	157,410	1	5/8	53	200+	47.00	0.1102	45.00	0.0645	42.62	0.0253	40.23	0.0028	38.23	23.0000	41.28	41.00	5.00	47.00	5.00	1,050	13	13	6
G13	15.8	275	56	76	38	4.81	2,911	14,375	14,000	69,144	1	1/2	53	200+	55.00	0.1879	53.00	0.1259	50.60	0.0668	48.19	0.0248	46.19	23.0000	50.75	50.50	5.00	55.00	5.00	2,800	21	21	6
H17	18.7	275	69	77	39	5.77	2,990	42,566	17,250	245,608	2	1/4	49	200+	50.00	0.2078	48.00	0.1423	45.12	0.0696	42.23	0.0194	40.23	23.0000	43.25	43.00	5.00	50.00	5.00	3,450	23	23	6
						(2 min.)						(DCO)	48 to 72		(TOB)		(TOS)									(TRO)	(BRO)	(WRO)	(TOFS)	(WOFB)			
*Minimum basin volume required for first 1-1/2" over impervious surfaces (3,500 sf per lot).																																	
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TOS - Top of Storage							WOFB - Bottom of Overflow Structure							WOFB - Width of Overflow Structure																			



N.T.S.



NTS

MDEQ/ WQC Detention Basin Calculations																											Project No. 324P					
Willow Bend Subdivision (209 lots)																											December 2011					
Basin	Drainage Area (ac)	Swale Length (w/g)	Units/ Basin	Basin Geometrics			Average Surface Area Provided (sf)	*Basin Vol Req'd (cf)	*Basin Vol Provided (cf)	Circular Orifice Dia (in)	Return Time (min)		Top of Bank		Top of Storage		Avg Storage		Bot of Storage		Bot of Basin		Rectangular Orifice			Overflow Structure		Forebay Geometrics				
	(input)	(input)	(input)	Avg Len (ft)	Avg Wid (ft)	Depth (ft)	Required (sf)	(input)	(input)	(input)	1st Half	Total	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Elev (ft)	Area (ac)	Top (Elev)	Bot (Elev)	Width (ft)	Top (Elev)	Width (ft)	Vol (cf)	L (ft)	W (ft)		
															(input)							(input)	(input)	(input)	(input)	(input)			(in)			
D8	6.5	275	18	46	23	4.27	1,054	24,489	4,500	104,568	1 3/8	54	200+	68.00	0.1016	66.00	0.0579	63.87	0.0242	61.73	0.0039	59.73	23,000	62.75	62.50	5.00	68.00	5.00	900	12	12	6
E16	6.8	275	45	54	27	7.78	1,446	35,284	11,250	274,510	2 3/8	50	200+	58.00	0.1714	56.00	0.1131	52.11	0.0332	48.22	-0.0022	46.22	23,000	50.25	50.00	5.00	58.00	5.00	2,250	19	19	6
F6	7.9	275	21	47	23	4.77	1,101	33,000	5,250	157,410	1 5/8	53	200+	47.00	0.1102	45.00	0.0845	42.62	0.0253	40.23	0.0028	38.23	23,000	41.28	41.00	5.00	47.00	5.00	1,050	13	13	6
G13	15.8	275	56	76	38	4.81	2,911	14,375	14,000	69,144	1 1/2	53	200+	55.00	0.1879	53.00	0.1259	50.60	0.0668	48.19	0.0248	46.19	23,000	50.75	50.50	5.00	55.00	5.00	2,800	21	21	6
H17	18.7	275	69	77	39	5.77	2,990	42,566	17,250	245,608	2 1/4	49	200+	50.00	0.2078	48.00	0.1423	45.12	0.0686	42.23	0.0194	40.23	23,000	43.25	43.00	5.00	50.00	5.00	3,450	23	23	6
				209		(2 min.)							(DCD)	48 to 72	(TOB)	(TOS)				(BOS)			(TRO)	(BRO)	(WRO)	(TOFS)	(WOF5)					

*Minimum basin volume required for first 1-1/2" over impervious surfaces (3,500 sf per lot).

**Actual basin volume provided in Construction Plans.

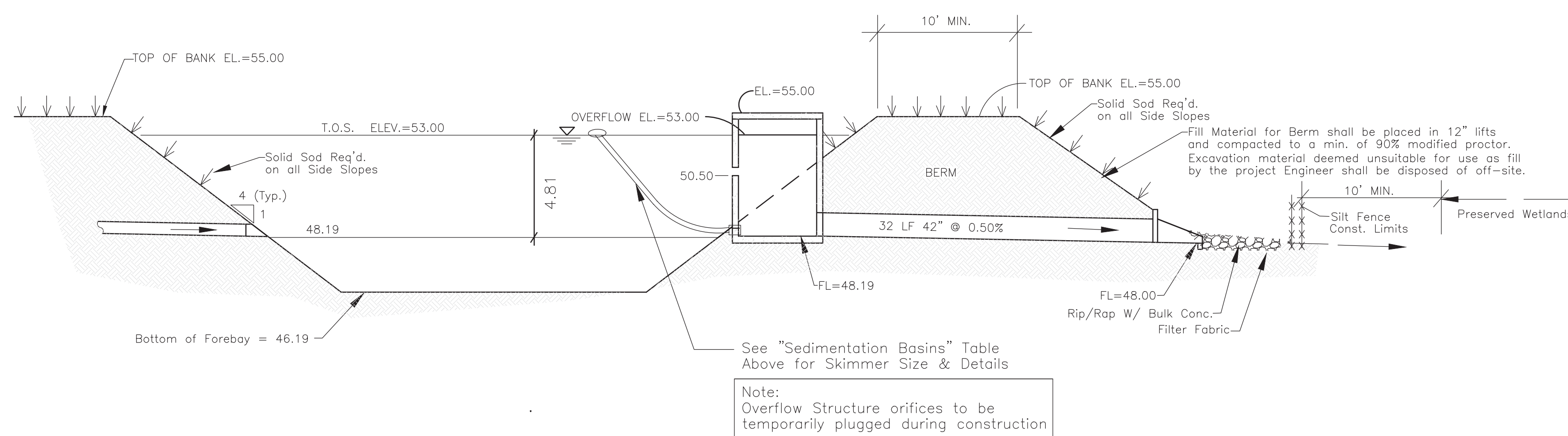
Note: Outfall structure to drain 1/2 the volume within 48 to 72 hours with no more than 1/2 the volume being discharged within 48 hours.

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Section of Detention G13

Harrison County Utility Authority

Andrew "FoFo" Gilich, Mayor, City of Biloxi
Russell Quave, Mayor, City of D'Iberville
Hugh Keating, Mayor, City of Gulfport

Board of Directors

Executive Director
John L. Wilson, P.E.

Tim Pierce, Mayor, City of Long Beach
Kenny Torgeson, Mayor, City of Pass Christian
Dan Cuevas, Supervisor, Harrison County
Marlin Ladner, Supervisor, Harrison County

April 17, 2026

Mr. Dennis Stieffel, P.E.
Dennis Stieffel & Associates, P.A., Inc.
13061 Shriners Boulevard, Suite D
Biloxi, MS 39532

Re: Willow Bend Subdivision (209 Lots) – East of the Intersection of Old Woolmarket Road and Woodland Hills Drive – No Objection – Will Treat

Mr. Stieffel,

The Harrison County Utility Authority (HCUA) has reviewed plans for the referenced project. HCUA has no objections to this project and will treat the wastewater at South Woolmarket WWTF. Upon completion of construction, performed according to the plans and specifications, the City of Biloxi will operate and maintain the utilities on public property.

This "no objection / will treat" letter is valid for 12 months from the date above.

Should you have any questions please call me at the listed numbers or email at sbroom@hcua-ms.us.

Sincerely,



Sam Broom, P.E.
Engineering / Project Manager

FOR OPC USE ONLY AI NO. _____ PLA NO. _____
--

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

The 68V Willow Bend, LLC,
(Insert Name of Body Making Application, i.e., Individual, Corporation, Municipality, etc.)

whose mailing address is 26051 Predazzer Lane, Suite A, Daphne, AL, 36526,
(Street and Number) (City) (State) (Zip)

whose responsible official is Chloe Kelly, Director of Entitlements,
(Name) (Title)

and whose phone number is (251) 487-8398,

Herewith submits for consideration of the OPC plans, specifications, and other necessary data prepared by

Dennis Stieffel & Associates, P.A., Inc.
(Engineer or Firm)

Dennis Stieffel
(Firm's Project Contact Person, if applicable)

13061 Shriners Blvd., Suite D
(Mailing Address)

Biloxi, MS 39532
(City, State, Zip)

(228) 860-8161
(Phone Number)

who is hereby authorized to represent the application in the engineering features of this project for the construction of 10,800 linear feet of new 8" gravity sewer connected to existing City system.

(Clearly Describe Project: New System, Modification, Extension, Rehabilitation, Treatment, etc.)

to serve Willow Bend Subdivision (209 lots)
(Subdivision, Plant, School, Other)

located at Belle La Vie Pkwy just east of Old Woolmarket Rd; Section 29, T6S, R10W
(Approximate Location, Including Section Township, and Range)

in or near the City of Biloxi in the County of Harrison, 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 City of Biloxi

(Name of Utility Company, Municipality, Owner, Developer, etc.)

whose mailing address is P. O. Box 429, Biloxi, MS, 39533,
(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 City of Biloxi
(Utility Company, Municipality, etc.)
2. Number of connections existing are 56,000
3. The length of sanitary sewers existing are 200 miles
4. The number of existing lift stations are 95
5. Additional facilities that collect sewage from this proposed project, i.e., a regional wastewater authority, are owned by Harrison County Utility Authority

B. 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.

Robert E. Smith III

Signature

Engineer

Title

City of Biloxi

Entity

Signature

Title

Entity

C. EXISTING SEWAGE TREATMENT WORKS

1. The facilities responsible for treatment of the sewage from this proposed project are owned by Harrison County Utility Authority.
(Utility Company, Municipality, etc.)
2. The OPC Permit Number for this wastewater facility is MS 0061204.
3. The capacity for this wastewater treatment facility is 2 MGD (South Woolmarket).
4. The treatment type of this wastewater facility is Activated Sludge.
(Activated Sludge, Aerated Lagoon, etc.)
5. The present population served by treatment facility is 2,000 ~~1,800~~.
6. The operator in charge will be ~~Marty Jones~~ Larry Maxley, who is a Class 4 wastewater operator, holding certificate number ~~4426-IV~~ WS4-00004371.

D. CERTIFICATION FROM WASTEWATER TREATMENT ENTITY

The official responsible for the wastewater treatment facility denoted in Section C. above, that will serve the proposed project, does hereby certify that we agree to treat the wastewater flows generated from the proposed project. We also hereby certify that we have determined that our treatment facility has the capacity available to treat properly the wastewater flows generated from the proposed project.



Signature
John Wilson, Executive Director

Title
Harrison County Utility Authority

Entity

E. PROPOSED PROJECT DETAILS

1. The ultimate population to be served by this proposed project is (209)(3.0) = 627.
2. The number of connections to be added are 209.
3. Per capita discharge 75 gpcd; Infiltration 0 gpcd. (Estimate, if unknown)
4. Area Served in Acres 78 acres Design Population Per Acre (627/78) = 8.0.
5. The area water is supplied by City of Biloxi.

(Name and Address of Water Utility)

6. Proposed Sewage Pumping Stations

Location or Number	Units Served	Pump Capacity (gpm)	Influent Flow (gpm)	
			Avg.	Peak
None				

F. ADDITIONAL CLEARANCES

NOTE: APPROVAL OF THIS PROJECT SHALL NOT BE GRANTED UNTIL ALL THE MDEQ PERMITS, COVERAGES, AND APPROVALS DENOTED BELOW ARE SATISFACTORILY ADDRESSED.

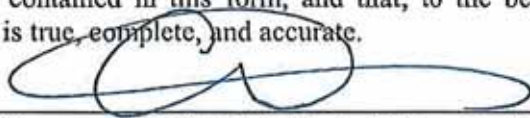
- The total area of ground disturbance by clearing, grading, and excavating for utilities, roadways, lots, etc. is 78 acres.
- For construction projects disturbing five or more acres, have you applied to MDEQ or an MDEQ approved local authority for construction storm water permit coverage?
☒ Yes ☐ Not 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.

- Have determinations/authorizations been received from the Corps of Engineers regarding the need for a Section 404 Permit, General Permit or Nationwide Permit for stream or intermittent drain crossings, stream re-routing, or for placing fill material into wetlands?
☐ Yes ☒ Pending ☐ Not applicable
 If not applicable, why? _____.

G. ADDITIONAL CERTIFICATIONS

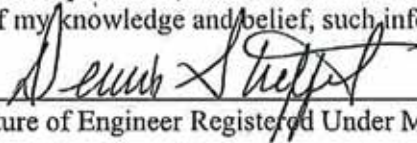
We hereby certify that we are the applicants for this project, that we are familiar with the information contained in this form, and that, to the best of our knowledge and belief, such information is true, complete, and accurate.



Signature of Responsible Official for Body Making Application

CHLOE KELLY Director of Entitlements
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 of my knowledge and belief, such information is true, complete, and accurate.



Signature of Engineer Registered Under Mississippi Laws

Dennis Stieffel, P.E. #11420
Typed Name and Registration Number



(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**

This form is required to be completed and submitted to the Mississippi Office of Pollution Control for all proposed projects applying for wastewater approval or construction stormwater coverage in the following counties: Hancock, Harrison, Jackson, Pearl River, and Stone.

PROJECT NAME: Willow Bend Subdivision (209 lots)

ENTITY MAKING APPLICATION: 68V Willow Bend, LLC

RESPONSIBLE OFFICIAL: Chloe Kelly, Director of Entitlements (Dennis Stieffel - Agent)

COUNTY WHERE PROJECT IS LOCATED: City of Biloxi, Harrison County

The portions below are to be completed by the appropriate County Utility Authority (CUA)

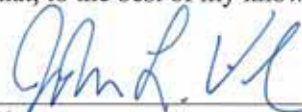
1. Is this project consistent with the requirements of the CUA?
☒ Yes ☐ No
2. Is this project connecting to a facility funded by Community Development Block Grant (CDBG) funds under the Mississippi Gulf Region Water and Wastewater Plan?
☒ Yes ☐ No

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?
☒ 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 of Pollution Control.

I hereby certify that I am the official responsible with the Harrison County Utility Authority in these matters, that I am familiar with the information contained in this form, and that, to the best of my knowledge and belief, such information is true, complete, and accurate.


Signature

4-18-26
Date

Executive Director
Title
Harrison County Utility Authority
Entity

Engineering Department

Christy LeBatard, P.E.
Director of Engineering



214-A Delauney Street
P. O. Box 429
Biloxi, Mississippi 39533
Office: 228.435.6269
Fax: 228.435.6179
www.biloxi.ms.us

March 19, 2026

Dennis Stieffel
Dennis Stieffel & Associates, P.A., Inc.
13061 Shriners Blvd., Suite D
Biloxi, MS 39532

Re: Willow Bend Subdivision
Biloxi, MS

Dear Stieffel,

The existing water and sewer system in the Woolmarket area of Biloxi has the capacity to meet the demands of the proposed Willow Bend Subdivision (209 new connections). Upon construction of improvements in accordance with the approved construction plans and specifications, the City of Biloxi will provide water and sewer to the project.

Please feel free to contact me if you should have any questions or concerns.

Sincerely,

A handwritten signature in black ink that reads "Robert E. Smith III". The signature is written in a cursive style with a large, stylized "R" and "S".

Robert E Smith, P.E.
Engineer, City of Biloxi



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mississippi Ecological Services Field Office
6578 Dogwood View Parkway, Suite A
Jackson, MS 39213-7856
Phone: (601) 965-4900



In Reply Refer To:

03/24/2026 15:03:25 UTC

Project code: 2026-0066877

Project Name: WILLOW BEND SUBDIVISION

Subject: Technical assistance letter for 'WILLOW BEND SUBDIVISION' for specified federally threatened and endangered species and designated critical habitat that may occur in your proposed project area consistent with the Mississippi Determination Key (Mississippi Dkey)

Dear Dana Sanders:

The U.S. Fish and Wildlife Service (Service) received on March 24, 2026 , your effects determination(s) for the **WILLOW BEND SUBDIVISION** (the Action) using the Mississippi DKey for project review and guidance for federally listed species within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based on your answers and the assistance of the Service's Mississippi DKey, you made the following effect determination(s) for the proposed Action.

Species	Listing Status	Determination
Alabama Red-bellied Turtle (<i>Pseudemys alabamensis</i>)	Endangered	No effect
Black Pinesnake (<i>Pituophis melanoleucus lodingi</i>)	Threatened	No effect
Dusky Gopher Frog (<i>Rana sevosa</i>)	Endangered	No effect
Eastern Black Rail (<i>Laterallus jamaicensis jamaicensis</i>)	Threatened	No effect
Gopher Tortoise (<i>Gopherus polyphemus</i>)	Threatened	No effect
Louisiana Quillwort (<i>Isoetes louisianensis</i>)	Endangered	No effect
Red-cockaded Woodpecker (<i>Dryobates borealis</i>)	Threatened	No effect

Consultation Status

You have indicated there is no federal nexus. Coordination with the Service is complete for the species listed above. Thank you for considering federally listed species in your project planning.

Other Listed Species That May Be Present in the Action Area The IPaC-assisted determination for the species of Mississippi does not apply to the following ESA-protected species and/or critical habitat that also may occur in your Action area:

- Alligator Snapping Turtle *Macrochelys temminckii* Proposed Threatened
- Monarch Butterfly *Danaus plexippus* Proposed Threatened
- Tricolored Bat *Perimyotis subflavus* Proposed Endangered

You may complete any other applicable determination keys and/or coordinate with our Office to determine whether the Action may cause prohibited take of the other animal species and/or critical habitat listed above. Note that if a new species is listed that may be affected by the identified action before it is complete, additional review is recommended to ensure compliance with the Endangered Species Act.

The Service recommends that your agency contact the Mississippi Ecological Services Field Office or re-evaluate this key in IPaC if: 1) the scope, timing, duration, or location of the proposed project changes, 2) new information reveals the action may affect listed species or designated critical habitat; 4) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation with the Mississippi Ecological Services Field Office should take place before project changes are final or resources committed.

Additional Coordination

To request additional technical assistance or consultation, please email your request to MississippiESFO@fws.gov and include relevant site-specific information. The Mississippi Ecological Services Field Office will respond within 30 days of your submittal.

Bald and Golden Eagle Protection Act: Bald eagles, golden eagles, and their nests are protected under the Bald and Golden Eagle Protection Act (54 Stat. 250, as amended, 16 U.S.C. 668a-d) (Eagle Act). The following resources are provided to project proponents and consulting agencies as additional information. Bald and golden eagles are not included in this section 7(a)(2) consultation and this information does not constitute a determination of effects by the Service.

If the Action may impact bald or golden eagles, additional coordination with the Service under the Eagle Act may be required. For more information on eagles and conducting activities in the vicinity of an eagle nest, please visit our [regional eagle website](#). In addition, the Service developed the [National Bald Eagle Management Guidelines \(May 2007\)](#) to assist landowners in avoiding the disturbance of bald eagles.

If the recommendations detailed in the National Bald Eagle Management Guidelines cannot be followed, you may apply for a permit to authorize removal or relocation of an eagle nest in certain instances via [Eagle Incidental Take Permit](#).

Summary of conservation measures for your project:

You agreed to the conservation measures described below under **Determination Key Result** to avoid adverse effects to listed species and Service concurrence with the Federal agency determination(s) for the Action is only valid if the measures are fully implemented. These must be included as permit conditions if a permit is required and/or included in any contract language.

CM_1

Best Management Practices for Aquatic Species in Mississippi

Most aquatic species are sensitive to changes in water quality; therefore, water quality protection measures benefit many listed species. Many existing water quality best management practices (BMPs) reduce or avoid negative impacts to listed species. Properly implemented BMPs could prevent excessive erosion, drainage alteration, and stream obstruction.

General water quality protection measures include preventing sediment from entering streams after soil disturbance, maintaining integrity of the streambed and banks, preventing trash and logging debris from entering streams, limiting pesticide applications in or near streams, avoiding chemical seepage into groundwater, restoring and protecting forested streamside management zones (SMZs), and revegetating denuded areas. The following BMPs should be implemented to reduce impacts to listed species.

Maintain sufficient streamside management zones (SMZs) and adhere to guidelines. Wider SMZs are recommended where listed species are found to protect water temperature, reduce runoff, and to trap sediment, chemicals, and nutrients. Based on most stream widths in Mississippi where listed species are found, a SMZ width of > 32–60 feet could be sufficient, although wider buffers are preferred depending on site conditions and slope, to protect most listed aquatic species.

In addition, and with emphasis to the general water quality protection measures listed above, the following may reduce or avoid impacts to listed aquatic species:

- Avoid stream crossings. If unable to avoid bridge construction, opt for bridges which span the entire stream to avoid in-stream impacts to the substrate.
- Avoid instream disturbance during spawning/breeding season (typically, April–May) where there are known records of listed species.
- Avoid low water crossing and streambed disturbance in areas where species are known to occur.
- Avoid creating dams and other water impoundment structures, including culverts, that alter substrate stability and composition, or inhibit fish passage. Avoid altering water depth in creeks and rivers that contain mussel habitat.
- Leave instream gravel beds undisturbed.
- Prohibit use of drop culverts or any structure that may obstruct fish passage in permanent streams. Where culverts are necessary, countersink at depth that would not obstruct water flow and fish passage or use bottomless box culverts or bridges.
- Do not remove or disturb existing instream deadwood from streams. This deadwood provides important fish and turtle structure.
- Do not disturb or alter existing sandbars, which can be important nesting sites for turtles, especially during nesting season (typically May – September).
- Avoid introducing organic and inorganic debris into streams.

- Avoid impoundment of streams and rivers.
- Although prescribed fire is an important disturbance tool used to manage natural resources, intense fire, such as is common in site preparation burns, in SMZs could impact species and should be avoided. Ensure conditions are favorable to avoid high intensity fires within these zones.
- Avoid rutting instream that could hinder fish passage or alter water flow.
- Provide sufficient erosion control measures (i.e., scattered slash, revegetation, silt fences, hay bales, water bars, turnouts, etc.) across the project site when working near or upstream of a listed species to prevent sedimentation and degradation of water quality.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

WILLOW BEND SUBDIVISION

2. Description

The following description was provided for the project 'WILLOW BEND SUBDIVISION':

Proposed project is approximately 55 acres and proposes 60 residential lots with internal access roads. The site originates off of Old Woolmarket Road.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@30.49524185,-89.00092963556057,14z>



DETERMINATION KEY RESULT

1. Is the proposed project or action authorized, funded, or carried out by a Federal agency?

Yes

2. Choose the agency or affiliation you represent in this consultation with the U.S. Fish and Wildlife Service:

C. U.S. Army Corps of Engineers

3. Is the proposed action solely disbursement of Federal funds to salary?

No

4. Is the proposed action solely of operations and maintenance of an existing structure with no temporary or permanent change in habitat conditions (e.g., does not increase sediment in a stream) and no increase in footprint?

No

5. Does the proposed project include only actions that will be conducted in urbanized areas?

No

6. Have you made an effects determination of "no effect" for all species in the area of the project? A "no effect" determination means the project will have no beneficial effect, no short-term adverse effects, and no long-term adverse effects on any of the species on the IPaC-generated species list for the proposed project or those species habitat. A project with effects that cannot be meaningfully measured, detected or evaluated, effects that are extremely unlikely to occur, or entirely beneficial effects should not have a "no effect" determination. If you are unsure of the "no effect" determination, answer NO to this question.

Note: The action agency assumes all consultation responsibility for "no effect" determinations as the U.S. Fish and Wildlife Service does not review, comment, or concur with "no effect" determinations through the interagency consultation process.

Yes

7. Is the project a solar farm or solar energy facility?

Note: The Mississippi Ecological Services Field Office has developed a siting tool for solar projects that can be accessed on the project mapper page in IPaC.

No

8. Does the project intersect federal lands?

No

9. Does your project occur within an existing pipeline, powerline, or transportation Right of Way (ROW)?

No

10. [Hidden Semantic] Does the project intersect the Alabama red-bellied turtle (*Pseudemys alabamensis*) species list area?

Automatically answered

Yes

11. [Hidden Semantic] Does the project intersect the Alabama red-bellied turtle (*Pseudemys alabamensis*) species list area?

Automatically answered

Yes

12. [Hidden Semantic] Does the project intersect the Alabama red-bellied turtle buffer?

Automatically answered

Yes

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Dana Sanders
Address: 19032 Old Port Gibson Road
City: Utica
State: MS
Zip: 39175
Email: drsawet@bellsouth.net
Phone: 2286239714

Engineering Department

Christy LeBatard, P.E.
Director of Engineering



214-A Delauney Street
P. O. Box 429
Biloxi, Mississippi 39533
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www.biloxi.ms.us

March 19, 2026

Dennis Stieffel
Dennis Stieffel & Associates, P.A., Inc.
13061 Shriners Blvd., Suite D
Biloxi, MS 39532

Re: Willow Bend Subdivision
Biloxi, MS

Dear Stieffel,

The existing water and sewer system in the Woolmarket area of Biloxi has the capacity to meet the demands of the proposed Willow Bend Subdivision (209 new connections). Upon construction of improvements in accordance with the approved construction plans and specifications, the City of Biloxi will provide water and sewer to the project.

Please feel free to contact me if you should have any questions or concerns.

Sincerely,

A handwritten signature in cursive script that reads "Robert E. Smith III".

Robert E. Smith, P.E.
Engineer, City of Biloxi