

Buddy Garcia, *Chairman*
 Larry R. Soward, *Commissioner*
 Bryan W. Shaw, Ph.D., *Commissioner*
 Glenn Shankle, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 17, 2008

Mr. Luke Wilburn
 Timberline Properties, Inc.
 7200 US Highway 281 N Unit 6
 Spring Branch, Texas 78070

Re: Edwards Aquifer, Comal County
 NAME OF PROJECT: Highway 281 Business Park; Located on the west side of Hwy. 281, 1.5 miles north of FM 311; Comal County, Texas
 TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer
 Edwards Aquifer Protection Program ID No. 2758.00; Investigation No. 616499; Regulated Entity No. RN105441950

Dear Mr. Wilburn:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the above-referenced project submitted to the San Antonio Regional Office by M & S Engineering, LTD. on behalf of Timberline Properties, Inc. on January 22, 2008. Final review of the CZP was completed after additional material was received on March 5, 2008. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

PROJECT DESCRIPTION

The proposed commercial project will have an area of approximately 23.8 acres. It will include the construction of one roadway, two sedimentation filtration basins, utility construction and the mass grading of portions of the site. There are 19 one acre commercial lots that will remain undeveloped, except for any required grading work, and development will require a modification approval. The impervious cover will be 1.78 acres (7.48 percent). According to a letter dated, November 12, 2007, signed by Mr. Shawn Schorn, E.I.T, with Comal County, the site in the development is acceptable for the use of on-site sewage facilities.

REPLY TO: REGION 13 • 14250 JUDSON RD. • SAN ANTONIO, TEXAS 78233-4480 • 210-490-3096 • FAX 210-545-4329

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • Internet address: www.tceq.state.tx.us

Mr. Luke Wilburn
 March 17, 2008
 Page 2

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two sedimentation filtration basins, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005) will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 1,238.69 pounds of TSS generated from the 1.78 acres of impervious cover and 0.40 acres of existing impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The single chamber sand filter basin design is a variation of the TCEQ technical guidance document (2005). The BMP Summary Table, below, details the sizing requirements of the basins. The basin filter media will be composed of an eighteen inch sand layer, a six inch gravel layer separated by a geotextile fabric and an under-drain perforated PVC piping system. The basins will not have an impermeable liner but it was demonstrated that the required water quality volume residence times can be achieved.

BMP Summary Table									
Basin	Total Area (ac)	Total Impervious Cover (ac)	Water Depth (ft)	Req. WQ Volume (ft ³)	Design WQ Volume (ft ³)	Req. Sand Filter Area (ft ²)	Design Sand Filter Area (ft ²)	Req. TSS Removal (lb/yr)	Design TSS Removal (lb/yr)
1	18.10	1.64	2.75	5,146	86,533	515	24,481	1,130.98 ^a	1,130.98
2	5.71	0.14	2.58	467	19,714	39	4,767	107.71 ^b	107.71
Total	23.81	1.78	---	---	---	---	---	1,238.69	1,238.69
a: Includes 0.38 acres of existing impervious cover in the TSS calculation									
b: Includes 0.02 acres of existing impervious cover in the TSS calculation									

SPECIAL CONDITIONS

- I. The holder of the approved Edwards Aquifer CZP must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the application.
- II. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the San Antonio Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested format (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved CZP is enclosed.
- III. The permanent pollution abatement measures shall be operational prior to final stabilization of any disturbed areas or prior commercial use of the roadway.
- IV. Intentional discharges of sediment laden storm water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- V. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

Mr. Luke Wilburn
 March 17, 2008
 Page 3

- VI. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.
- VII. This approval is for the construction of 1.78 acres of roadway. Regulated activities, other than grading and utility installation, are not approved by this letter. Any development of the 19 one acre lots will require a *modification of this approved CZP*.
- VIII. Final soil stabilization is required upon completion of any grading activities or utility work in that area.
- IX. The BMP Summary Table, provided in the Permanent Pollution Abatement Measures section of this letter shall be included with all modifications submittals. It is the responsibility of the applicant to submit an up-to-date BMP Summary Table if the table changes due to modification approvals.
- X. Any modifications must follow the proper rules and regulations at the time of modification submission and review. If a new guidance manual is issued by the TCEQ, any future modifications shall follow the new manual. Calculations for BMP sizing and TSS treatment could change and the permanent BMPs approved by this letter may be come undersized (or oversized) and would have to be resized for the modification.

STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.

Prior to Commencement of Construction:

2. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
3. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
4. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the San Antonio Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
5. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the

Mr. Luke Wilburn
 March 17, 2008
 Page 4

construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

6. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
7. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).
8. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
9. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

10. Owners of permanent BMPs and measures must insure that the BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the San Antonio Regional Office within 30 days of site completion.
11. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
12. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity

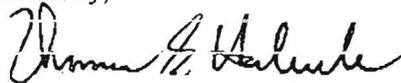
Mr. Luke Wilburn
March 17, 2008
Page 5

must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

- 13. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50% of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
- 14. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

If you have any questions or require additional information, please contact Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,



Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/CEP/eg

Enclosures: Deed Recordation Affidavit, Form TCEQ-0625
Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

cc: Mr. Keith Strimple, P.E., M&S Engineering, LTD.
Ms. Velma Danielson, Edwards Aquifer Authority
Mr. Tom Hornseu, P.E., Comal County
TCEQ Central Records, Building F, MC 212

Buddy Garcia, *Chairman*
Larry R. Soward, *Commissioner*
Bryan W. Shaw, Ph.D., *Commissioner*
Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 17, 2008

Mr. Luke Wilburn
Timberline Properties, Inc.
7200 US Highway 281 N Unit 6
Spring Branch, Texas 78070

Re: Edwards Aquifer, Comal County
NAME OF PROJECT: Highway 281 Business Park; Located on the west side of Hwy. 281, 1.5 miles north of FM 311; Comal County, Texas
TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer
Edwards Aquifer Protection Program ID No. 2758.00; Investigation No. 616499; Regulated Entity No. RN105441950

Dear Mr. Wilburn:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP application for the above-referenced project submitted to the San Antonio Regional Office by M & S Engineering, LTD. on behalf of Timberline Properties, Inc. on January 22, 2008. Final review of the CZP was completed after additional material was received on March 5, 2008. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

PROJECT DESCRIPTION

The proposed commercial project will have an area of approximately 23.8 acres. It will include the construction of one roadway, two sedimentation filtration basins, utility construction and the mass grading of portions of the site. There are 19 one acre commercial lots that will remain undeveloped, except for any required grading work, and development will require a modification approval. The impervious cover will be 1.78 acres (7.48 percent). According to a letter dated, November 12, 2007, signed by Mr. Shawn Schorn, E.I.T., with Comal County, the site in the development is acceptable for the use of on-site sewage facilities.

REPLY TO: REGION 13 • 14250 JUDSON RD. • SAN ANTONIO, TEXAS 78233-4480 • 210-490-3096 • FAX 210-545-4329

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • Internet address: www.tceq.state.tx.us

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two sedimentation filtration basins, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005) will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 1,238.69 pounds of TSS generated from the 1.78 acres of impervious cover and 0.40 acres of existing impervious cover. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

The single chamber sand filter basin design is a variation of the TCEQ technical guidance document (2005). The BMP Summary Table, below, details the sizing requirements of the basins. The basin filter media will be composed of an eighteen inch sand layer, a six inch gravel layer separated by a geotextile fabric and an under-drain perforated PVC piping system. The basins will not have an impermeable liner but it was demonstrated that the required water quality volume residence times can be achieved.

BMP Summary Table									
Basin	Total Area (ac)	Total Impervious Cover (ac)	Water Depth (ft)	Req. WQ Volume (ft ³)	Design WQ Volume (ft ³)	Req. Sand Filter Area (ft ²)	Design Sand Filter Area (ft ²)	Req. TSS Removal (lb/yr)	Design TSS Removal (lb/yr)
1	18.10	1.64	2.75	5,146	86,533	515	24,481	1,130.98 ^a	1,130.98
2	5.71	0.14	2.58	467	19,714	39	4,767	107.71 ^b	107.71
Total	23.81	1.78	---	---	---	---	---	1,238.69	1,238.69
a: Includes 0.38 acres of existing impervious cover in the TSS calculation									
b: Includes 0.02 acres of existing impervious cover in the TSS calculation									

SPECIAL CONDITIONS

- I. The holder of the approved Edwards Aquifer CZP must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the application.
- II. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the San Antonio Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested format (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved CZP is enclosed.
- III. The permanent pollution abatement measures shall be operational prior to final stabilization of any disturbed areas or prior commercial use of the roadway.
- IV. Intentional discharges of sediment laden storm water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- V. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

- VI. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.
- VII. This approval is for the construction of 1.78 acres of roadway. Regulated activities, other than grading and utility installation, are not approved by this letter. Any development of the 19 one acre lots will require a *modification of this approved CZP*.
- VIII. Final soil stabilization is required upon completion of any grading activities or utility work in that area.
- IX. The BMP Summary Table, provided in the Permanent Pollution Abatement Measures section of this letter shall be included with all modifications submittals. It is the responsibility of the applicant to submit an up-to-date BMP Summary Table if the table changes due to modification approvals.
- X. Any modifications must follow the proper rules and regulations at the time of modification submission and review. If a new guidance manual is issued by the TCEQ, any future modifications shall follow the new manual. Calculations for BMP sizing and TSS treatment could change and the permanent BMPs approved by this letter may be come undersized (or oversized) and would have to be resized for the modification.

STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.

Prior to Commencement of Construction:

2. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
3. Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
4. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the San Antonio Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.
5. ~~Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the~~

construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

During Construction:

6. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
7. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).
8. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
9. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

10. Owners of permanent BMPs and measures must insure that the BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the San Antonio Regional Office within 30 days of site completion.
11. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the San Antonio Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
12. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity

Mr. Luke Wilburn
March 17, 2008
Page 5

must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.

13. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50% of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the San Antonio Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
14. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

If you have any questions or require additional information, please contact Charly Fritz of the Edwards Aquifer Protection Program of the San Antonio Regional Office at (210) 403-4065.

Sincerely,



Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/CEF/eg

Enclosures: Deed Recordation Affidavit, Form TCEQ-0625
Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

cc: Mr. Keith Strimple, P.E., M&S Engineering. LTD.
Ms. Velma Danielson, Edwards Aquifer Authority
Mr. Tom Hornseth, P.E., Comal County
TCEQ Central Records, Building F, MC 212

Buddy Garcia, *Chairman*
Larry R. Soward, *Commissioner*
Bryan W. Shaw, Ph.D., *Commissioner*
Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Protecting Texas by Reducing and Preventing Pollution

January 22, 2008

RECEIVED
JAN 30 2008
COUNTY ENGINEER

Mr. Thomas H. Hornseth, P.E.
Comal County Engineer
195 David Jonas Drive
New Braunfels TX 78132-3710

Re: Edwards Aquifer, Comal County
PROJECT NAME: Highway 281 Business Park, located approximately 1.5 miles north of the US Highway 281 and FM 311 intersection, Spring Branch, Texas
PLAN TYPE: Application for Approval of a Contributing Zone Water Pollution Abatement Plan (CZP) request, 30 Texas Administration Code (TAC) Chapter 213; Edwards Aquifer Protection Program
San Antonio Region File Number: 2758.00

Dear Mr. Hornseth:

The enclosed Contributing Zone Water Pollution Abatement Plan application is being forwarded to you pursuant to the Edwards Aquifer Rules. The Texas Commission on Environmental Quality (TCEQ) is required by 30 TAC Chapter 213 to provide copies of all applications to affected incorporated cities and underground water conservation districts for their comments prior to TCEQ approval.

Please forward your comments to this office by February 21, 2007.

The Texas Commission on Environmental Quality appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact the San Antonio Region Office at (210) 490-3096.

Sincerely

A handwritten signature in black ink, appearing to read "Lynn M. Bumguardner".

Lynn M. Bumguardner
Water Section Work Leader
San Antonio Regional Office

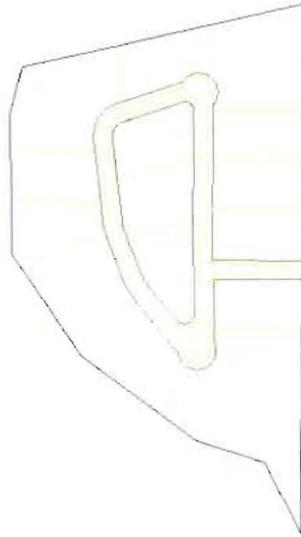
Handwritten initials in black ink, possibly "LMB".

LMB/eg

CONTRIBUTING ZONE PLAN

2758.00

FOR



Highway 281 Business Park

Prepared for:

Luke Wilburn
10999 IH-10 West, Suite 175
San Antonio, Texas 78230

JAN 22 2008

Prepared by:

M & S



Engineering, Ltd.
Engineers and Planners



Main Office:
P. O. Box 970
Spring Branch, Texas 78070
830/228-5446
830-885-2170 FAX

Branch Office:
P. O. Box 391
McQueeney, Texas 78123
830-560-3200
830-560-3203 FAX

December 2007



TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided)			
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application)			
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other	
2. Attachments Describe Any Attachments: (ex. Title V Application, Waste Transporter Application, etc.)			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Contribution Zone Plan	
3. Customer Reference Number (if issued)		4. Regulated Entity Reference Number (if issued)	
CN		RN	

SECTION II: Customer Information

5. Effective Date for Customer Information Updates (mm/dd/yyyy)		10/26/2007	
6. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check only one of the following:			
<input checked="" type="checkbox"/> Owner		<input type="checkbox"/> Operator	
<input type="checkbox"/> Occupational Licensee		<input type="checkbox"/> Responsible Party	
<input type="checkbox"/> Owner & Operator		<input type="checkbox"/> Voluntary Cleanup Applicant	
<input type="checkbox"/> Other: _____			
7. General Customer Information			
<input checked="" type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State)		<input type="checkbox"/> Change in Regulated Entity Ownership	
<input type="checkbox"/> No Change**			
**If "No Change" and Section I is complete, skip to Section III – Regulated Entity Information.			
8. Type of Customer:			
<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
<input type="checkbox"/> City Government		<input type="checkbox"/> Sole Proprietorship- D.B.A	
<input type="checkbox"/> County Government		<input type="checkbox"/> Federal Government	
<input type="checkbox"/> State Government			
<input type="checkbox"/> Other Government		<input type="checkbox"/> General Partnership	
<input type="checkbox"/> Limited Partnership		<input type="checkbox"/> Other: _____	
9. Customer Legal Name (If an individual, print last name first: ex: Doe, John)			
Timberline Properties, Inc.		If new Customer, enter previous Customer below	
		End Date:	
10. Mailing Address:			
7200 Hwy 281 N.			
Suite 6			
City		Spring Branch	
State		TX	
ZIP		78070	
ZIP + 4		5900	
11. Country Mailing Information (if outside USA)			
12. E-Mail Address (if applicable)			
lukewilburn@kw.com			
13. Telephone Number		14. Extension or Code	
(210) 696-9996			
15. Fax Number (if applicable)			
(830) 885-5956			
16. Federal Tax ID (9 digits)		17. TX State Franchise Tax ID (11 digits)	
18. DUNS Number(if applicable)		19. TX SOS Filing Number (if applicable)	
		800845507	
20. Number of Employees			
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher			
21. Independently Owned and Operated?			
<input type="checkbox"/> Yes <input type="checkbox"/> No			

SECTION III: Regulated Entity Information

22. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)			
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information <input type="checkbox"/> No Change** (See below)			
**If "NO CHANGE" is checked and Section I is complete, skip to Section IV, Preparer Information.			
23. Regulated Entity Name (name of the site where the regulated action is taking place)			
Highway 281 Business Park			

24. Street Address of the Regulated Entity: (No P.O. Boxes)							
	City	Spring Branch	State	TX	ZIP	78070	ZIP + 4
25. Mailing Address:	7200 Hwy 281 N.						
	Suite 6						
	City	Spring Branch	State	TX	ZIP	78070	ZIP + 4
26. E-Mail Address:							
27. Telephone Number	28. Extension or Code			29. Fax Number (if applicable)			
(210) 696-9996				(830) 885-5956			
30. Primary SIC Code (4 digits)	31. Secondary SIC Code (4 digits)		32. Primary NAICS Code (5 or 6 digits)		33. Secondary NAICS Code (5 or 6 digits)		
1542	NA		236220		NA		
34. What is the Primary Business of this entity? (Please do not repeat the SIC or NAICS description.)							
Commercial Business Park							

Questions 34 – 37 address geographic location. Please refer to the instructions for applicability.

35. Description to Physical Location:	On Hwy 281 South 1.5 miles north of the junction with FM 311					
36. Nearest City	County		State		Nearest ZIP Code	
Spring Branch	Comal		TX		78070	
37. Latitude (N) In Decimal:	29.54.01			38. Longitude (W) In Decimal:	98.24.43	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
29	54	01	98	24	43	

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form or the updates may not be made. If your Program is not listed, check other and write it in. See the Core Data Form instructions for additional guidance.

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Industrial Hazardous Waste	<input type="checkbox"/> Municipal Solid Waste
<input type="checkbox"/> New Source Review – Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS	<input type="checkbox"/> Sludge
<input type="checkbox"/> Stormwater	<input type="checkbox"/> Title V – Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil	<input type="checkbox"/> Utilities
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

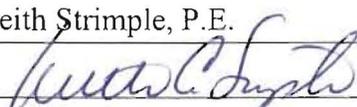
SECTION IV: Preparer Information

40. Name:	Stephen Jackson	41. Title:	Engineering Designer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(830) 228-5446		(830) 885-2170	sjackson@msengr.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 9 and/or as required for the updates to the ID numbers identified in field 39.

(See the Core Data Form instructions for more information on who should sign this form.)

Company:	M&S Engineering, LTD	Job Title:	Agent - Engineer
Name (In Print):	Keith Strimple, P.E.	Phone:	(830) 228-5446
Signature:		Date:	1/14/08

Contributing Zone Plan

In This Section

TCEQ-10257
Contributing Zone Plan Application

Attachment A
Road Map

Attachment B
USGS Quadrangle Map

Attachment C
Project Narrative

Attachment D
Factors Affecting Surface Water Quality

Attachment E
Volume and Character of Stormwater

Attachment F
Suitability Letter from Authorized Agent

Attachment G
Alternative Secondary Containment Methods

Attachment H
AST Containment Structure Drawings

Attachment I
20% or Less Impervious Cover Waiver

Attachment J
BMPs for Upgradient Stormwater

Attachment K
BMPs for On-site Stormwater

Attachment L
BMPs for Surface Streams

Attachment M
Construction Plans

Attachment N
Inspection, Maintenance, Repair and Retrofit Plan

Attachment O
Pilot-Scale Field Testing Plan

Attachment P
Measures for Minimizing Surface Stream Contamination

Contributing Zone Plan Application
for Regulated Activities
on the Contributing Zone to the Edwards Aquifer
and Relating to 30 TAC §213.24(1), Effective June 1, 1999

Regulated Entity Name: Spring Branch Hwy 281 Business Park
County: Comal Stream Basin: Cypress Creek

1. Regulated activities on this site will disturb at least 5 acres.
 Regulated activities on this site will disturb less than 5 acres and are part of a larger common plan of development or sale with the potential to disturb cumulatively five or more acres.

2. Customer (Applicant):

Contact Person: Luke Willburn
Entity: Timberline Properties, Inc.
Mailing Address: 7200 Hwy 281 N. Suite 6
City, State: Spring Branch, TX Zip: 78070
Telephone: (210) 696-9996 FAX: (830) 885-5956

Agent/Representative (If any):

Contact Person: Keith Strimple, P.E.
Title: Agent - Engineer
Entity: M & S Engineering, LTD
Mailing Address: P.O. Box 970
City, State: Spring Branch, Texas Zip: 78070
Telephone: (830) 228-5446 FAX: (830) 885-2170

3. This project is inside the city limits of _____.
 This project is outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
 This project is not located within any city's limits or ETJ.

4. The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.
From the intersection of US Hwy 281 and FM 311 proceed 1.5 miles north. The proposed business park will be on your left.

5. **ATTACHMENT A - Road Map.** A road map showing directions to and the location of the project site is found as at the end of this form.
6. **ATTACHMENT B - USGS Quadrangle Map.** A copy of the a USGS Quadrangle Map (Scale: 1" = 2000') is found at the end of this form. The map(s) clearly shows:
 Project site boundaries.
 USGS Quadrangle Name(s).
7. **ATTACHMENT C - Project Narrative.** A detailed narrative description of the proposed project is found at the end of this form.
8. Existing project site conditions are noted below:
 Existing commercial site

- Existing industrial site
- Existing residential site
- Existing paved and/or unpaved roads
- Undeveloped (Cleared)
- Undeveloped (Undisturbed/Uncleared)
- Other: _____

PROJECT INFORMATION

9. The type of project is:
- Residential: # of Lots: _____
 - Residential: # of Living Unit Equivalents: _____
 - Commercial
 - Industrial
 - Other: _____

10. Total project area (size of site): 23.8 Acres
 Total disturbed area: 23.8 Acres

11. Projected population: 0

12. The amount and type of impervious cover expected after construction is complete is shown below:

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops <i>Assumed 30% of Lots</i>	248,292	÷ 43,560 =	5.70
Parking <i>Assumed 30% of Lots</i>	248,292	÷ 43,560 =	5.70
Other paved surfaces <i>Access Road, Concrete Improvements</i>	77,501	÷ 43,560 =	1.78
Total Impervious Cover	574,085	÷ 43,560 =	13.18
Total Impervious Cover ÷ Total Acreage x 100 =			55.37 %

13. **ATTACHMENT D - Factors Affecting Surface Water Quality.** A description of factors that could affect surface water quality is found as at the end of this form. If applicable, this should included the location and description of any discharge associated with industrial activity other than construction.

14. Only inert materials as defined by 30 TAC 330.2 will be used as fill material.

FOR ROAD PROJECTS ONLY

Complete questions 15-20 if this application is exclusively for a road project.

15. Type of project:
- TXDOT road project.
 - County road or roads built to county specifications.
 - City thoroughfare or roads to be dedicated to a municipality.
 - Street or road providing access to private driveways.

16. Type of pavement or road surface to be used:

- Concrete
- Asphaltic concrete pavement
- Other: _____

17. Length of Right of Way (R.O.W.): _____ feet.
 Width of R.O.W.: _____ feet.
 L x W = _____ Ft² ÷ 43,560 Ft²/Acre = _____ acres.

18. Length of pavement area: _____ feet.
 Width of pavement area: _____ feet.
 L x W = _____ Ft² ÷ 43,560 Ft²/Acre = _____ acres.
 Pavement area _____ acres ÷ R.O.W. area _____ acres x 100 = ____% impervious cover.

19. A rest stop will be included in this project.
 A rest stop will **not** be included in this project.

20. Maintenance and repair of existing roadways that do not require approval from the TCEQ Executive Director. Modifications to existing roadways such as widening roads/adding shoulders totaling more than one-half (1/2) the width of one (1) existing lane require prior approval from the TCEQ.

STORMWATER TO BE GENERATED BY THE PROPOSED PROJECT

21. **ATTACHMENT E - Volume and Character of Stormwater.** A description of the volume and character (quality) of the stormwater runoff which is expected to occur from the proposed project is found at the end of this form. The estimates of stormwater runoff quality and quantity are based on area and type of impervious cover. The runoff coefficient of the site for both pre-construction and post-construction conditions is included.

WASTEWATER TO BE GENERATED BY THE PROPOSED PROJECT

22. Wastewater will be disposed of by:

On-Site Sewage Facility (OSSF/Septic Tank):
ATTACHMENT F - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's written approval is provided at the end of this form. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities, or it identifies those areas that are not suitable for the use of private sewage facilities. The system will be designed by a licensed professional engineer or a registered sanitarian and installed by a licensed installer in compliance with 30 TAC §285.

Sewage Collection System (Sewer Lines):
 Wastewater is to be disposed of by conveyance to the _____ (name) treatment plant for treatment and disposal. The treatment facility is :
 existing.
 proposed.

Wastewater is to be discharged in the contributing zone. Requirements under 30 TAC §213.6(c) relating to Wastewater Treatment and Disposal Systems have been satisfied.

FOR PERMANENT ABOVEGROUND STORAGE TANKS (ASTs) > 500 GALLONS

Complete questions 23-29 if this project includes the installation of AST(s) with volume(s) greater than 500 gallons.

23. Tanks and substance stored:

AST Number	Size (Gallons)	Substance to be Stored	Tank Material
1			
2			
3			
4			
5			
Total		x 1.5 =	gallons

24. The AST will be placed within a containment structure that is sized to capture one and one-half (1 1/2) times the storage capacity of the system. For facilities with more than one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.
- ATTACHMENT G - Alternative Secondary Containment Methods.** Alternative methods for providing secondary containment are proposed. Specifications showing equivalent protection for the Edwards Aquifer are found at the end of this form.

25. Inside dimensions and capacity of containment structure(s):

Length (L) (Ft.)	Width (W) (Ft.)	Height (H) (Ft.)	L x W x H = (Ft ³)	Gallons
Total				

26. All piping, hoses, and dispensers will be located inside the containment structure.
- Some of the piping to dispensers or equipment will extend outside the containment structure.
- The piping will be aboveground
- The piping will be underground
27. The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of _____.

28. **ATTACHMENT H - AST Containment Structure Drawings.** A scaled drawing of the containment structure is found at the end of this form that shows the following:

- Interior dimensions (length, width, depth and wall and floor thickness).
- Internal drainage to a point convenient for the collection of any spillage.
- Tanks clearly labeled
- Piping clearly labeled
- Dispenser clearly labeled

29. Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.

- In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.
- In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.

SITE PLAN

Items 30 through 41 must be included on the Site Plan.

30. The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 60'.

31. 100-year floodplain boundaries

- Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
- No part of the project site is located within the 100-year floodplain.

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s):
Comal County GIS Proposed FEMA Floodplain © 2004 accessed 8/21/2007

32. The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
 The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot contour intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.

33. A drainage plan showing all paths of drainage from the site to surface streams.

34. The drainage patterns and approximate slopes anticipated after major grading activities.

35. Areas of soil disturbance and areas which will not be disturbed.

36. Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.

37. Locations where soil stabilization practices are expected to occur.

- 38. Surface waters (including wetlands).
- 39. Locations where stormwater discharges to surface water.
 There will be no discharges to surface water.
- 40. Temporary aboveground storage tank facilities.
 Temporary aboveground storage tank facilities will not be located on this site.
- 41. Permanent aboveground storage tank facilities.
 Permanent aboveground storage tank facilities will not be located on this site.

Permanent best management practices (BMPs) and measures that will be used during and after construction is completed.

- 42. Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
- 43. These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.

- The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.
- A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is provided below

- 44. Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.
- 45. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

- This site will be used for low density single-family residential development and has 20% or less impervious cover.
- This site will be used for low density single-family residential development but has more than 20% impervious cover.
- This site will not be used for low density single-family residential development.

- 46. The executive director may waive the requirement for other permanent BMPs for multi-family

residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

- ATTACHMENT I - 20% or Less Impervious Cover Waiver.** This site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is found at the end of this form.
- This site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
- This site will not be used for multi-family residential developments, schools, or small business sites.

47. **ATTACHMENT J - BMPs for Upgradient Stormwater.**

- A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is provided as **ATTACHMENT J** at the end of this form.
- If no surface water, groundwater or stormwater originates upgradient from the site and flows across the site, an explanation is provided as **ATTACHMENT J** at the end of this form.
- If permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, an explanation is provided as **ATTACHMENT J** at the end of this form.

48. **ATTACHMENT K - BMPs for On-site Stormwater.**

- A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is provided as **ATTACHMENT K** at the end of this form.
- If permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, an explanation is provided as **ATTACHMENT K** at the end of this form.

49. **ATTACHMENT L - BMPs for Surface Streams.** A description of the BMPs and measures that prevent pollutants from entering surface streams is provided at the end of this form.

50. **ATTACHMENT M - Construction Plans.** Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information have been signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed permanent BMPs and measures are provided at the end of this form. Design Calculations, TCEQ Construction Notes, all proposed structural measures, and appropriate details must be shown on the construction plans.

51. **ATTACHMENT N - Inspection, Maintenance, Repair and Retrofit Plan.** A plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is provided at the end of this form. The plan has been prepared and certified by the engineer designing the permanent BMPs and measures. The plan has been signed by the owner or responsible party. The plan includes procedures for documenting inspections,

maintenance, repairs, and, if necessary, retrofits as well as a discussion of record keeping procedures.

52. The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.
 Pilot-scale field testing (including water quality monitoring) may be required for BMPs that are not contained in technical guidance recognized by or prepared by the executive director. **ATTACHMENT O - Pilot-Scale Field Testing Plan.** A plan for pilot-scale field testing is provided at the end of this form.
53. **ATTACHMENT P - Measures for Minimizing Surface Stream Contamination.** A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is provided at the end of this form. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity which increase erosion that results in water quality degradation.

Responsibility for maintenance of permanent BMPs and measures after construction is complete.

54. The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.
55. A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

ADMINISTRATIVE INFORMATION

56. One (1) original and three (3) copies of the complete application has been provided.
57. Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.
58. The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **CONTRIBUTING ZONE PLAN APPLICATION** is hereby submitted for TCEQ review and Executive Director approval. The application was prepared by:

KEITH C STRIMPLE
Print Name of Customer/Agent

Keith C Strimple
Signature of Customer/Agent

4/14/08
Date

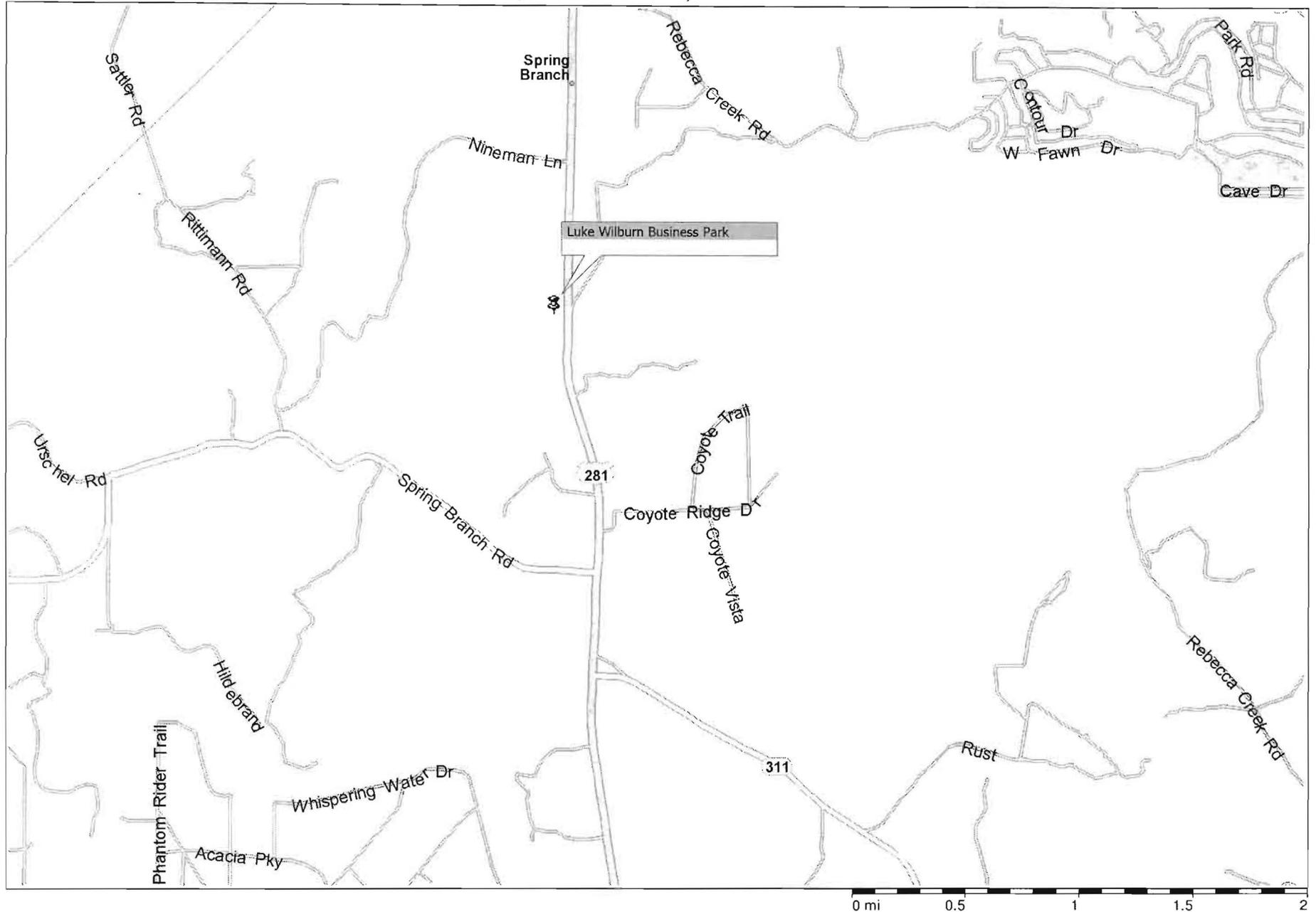
If you have questions on how to fill out this form or about the Edwards Aquifer protection program, please contact us at 210/490-3096 for projects located in the San Antonio Region or 512/339-2929 for projects located in the Austin Region.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.

Attachment A

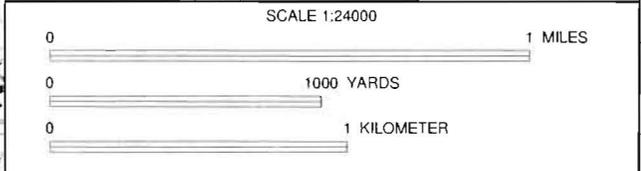
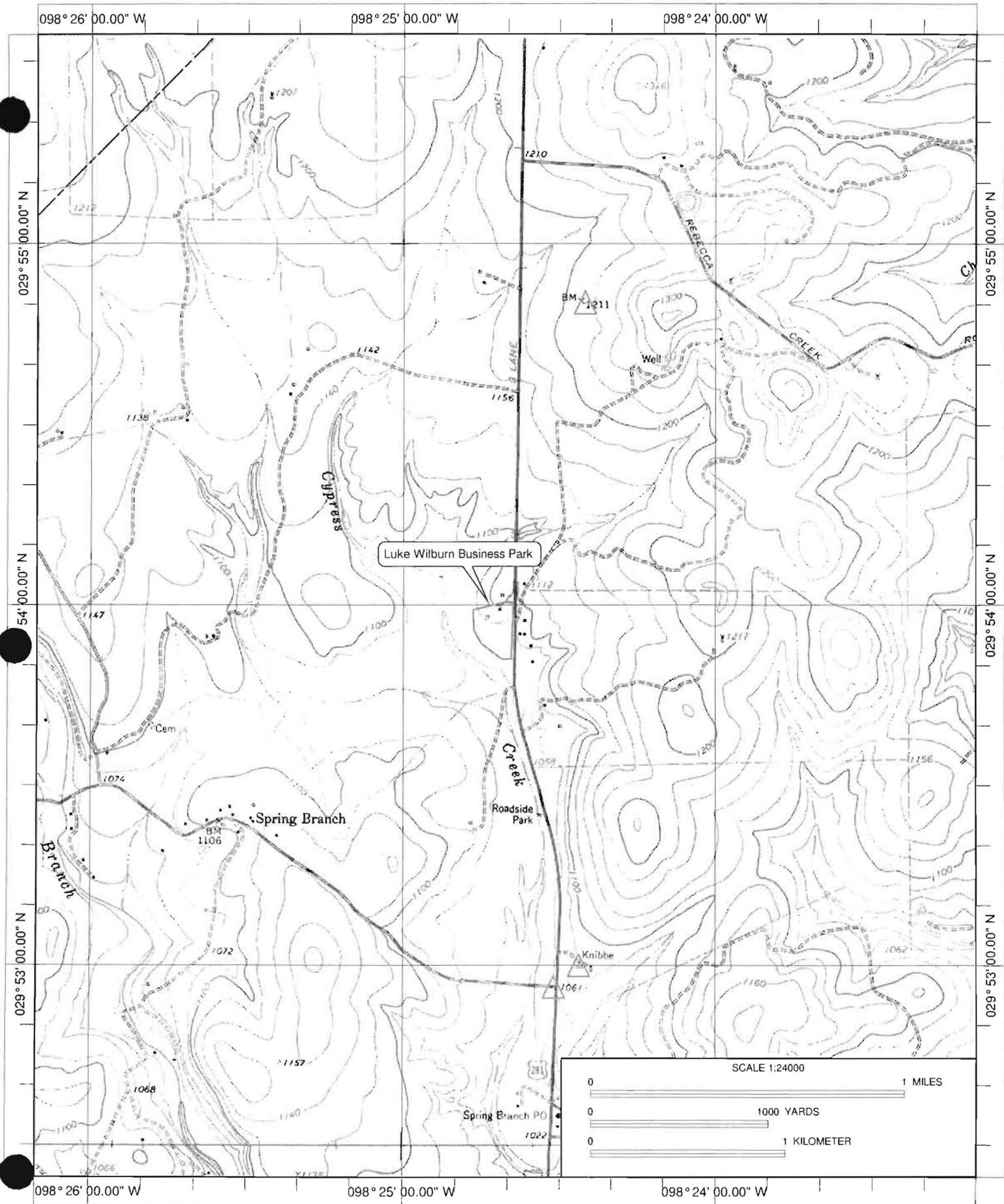
Road Map

Texas, United States, North America



Attachment B

USGS Quadrangle Map



Name: SPRING BRANCH
 Date: 9/20/2007
 Scale: 1 inch equals 2000 feet

Location: 029° 53' 59.58" N 098° 24' 40.29" W

Attachment C

Project Narrative

PROJECT NARRATIVE

The property is located off of Highway 281 near the intersection with FM 311. This project is not located within any city's limits or ETJ. Currently it is a 23.8 acre residential lot made up of a house and several barns. This site is located in the Edwards Aquifer Contributing Zone, and a small portion is located in the 100-Year FEMA floodplain.

The project involves developing the site into a business park comprised of 19 1-acre lots. The proposed improvements include an asphalt roadway, a detention pond, two sand filtration basins and grading of certain areas.

The property is being developed as commercial tracts. Once completed the lots will be a complex for a variety of different venues. At the time this report was filed the plan is for these venues to include: restaurants, retail stores/strip centers, office buildings, and potentially a gas station. The exact arrangement of each of these establishments is not known at this time as that will be up to the individual lot owner who purchases the property.

The site is made up of two drainage areas with no offsite water upstream. Each basin drains to the southwest border of the property. In order to mitigate increases in discharges and protect both existing and future downstream developments a detention pond will be constructed along this boundary. The sand filtration basins will also serve as detention ponds. These ponds will be designed to handle the increase in runoff due to development.

The amount and type of impervious cover expected after construction is complete is shown below:

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops <i>Assumed 30% of Lots</i>	248,292	÷ 43,560 =	5.70
Parking <i>Assumed 30% of Lots</i>	248,292	÷ 43,560 =	5.70
Other paved surfaces <i>Access Road, Concrete Improvements</i>	77,501	÷ 43,560 =	1.78
Total Impervious Cover	574,085	÷ 43,560 =	13.18
Total Impervious Cover ÷ Total Acreage x 100 =			55.37 %

Attachment D

Factors Affecting Surface Water Quality

FACTORS AFFECTING SURFACE WATER QUALITY

Potential sources of pollution that may be expected to affect the quality of storm water discharges from the site during construction include:

- Soil erosion due to clearing of site.
- Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings.
- Hydrocarbons from asphalt paving.
- Trash and litter from construction workers and material wrappings.
- Tar, fertilizers, cleaning solvents, detergents, and petroleum based products.

Potential sources of pollution that may be expected to affect the quality of storm water discharges from the site after development include:

- Oil, grease, fuel and hydraulic fluid contamination from vehicle drippings.
- Dirt and dust from vehicles.
- Trash and litter.

Attachment E

Volume and Character of Stormwater

VOLUME AND CHARACTER OF STORMWATER

The overall contributing drainage area for this project is 23.8 acres. No off-site water enters the property. The stormwater runoff for the pre-project conditions would be across rocky soil, with native grasses. The site has an average slope ranging from 1% to 15%. Peak discharges were calculated using the Rational Method.

Peak Discharge Summary

HWY 281 BUSINESS PARK

HYDROLOGY - RATIONAL METHOD

Basin 1

	C	A (acres)	2-Year		5-Year		10-Year		25-Year		50-Year		100-Year	
			I	Q	I	Q	I	Q	I	Q	I	Q	I	Q
Existing Hydrology	0.30	15.25	4.21	19.24	5.41	24.74	6.24	28.52	7.16	32.76	7.82	35.75	8.93	40.82
Proposed Hydrology	0.70	18.37	5.93	76.14	7.55	96.97	8.68	111.50	9.94	127.57	10.78	138.44	12.38	158.92
Increase in runoff due to development =				56.90		72.23		82.97		94.81		102.69		118.09
Existing T _c (minutes) =		17.44												
Proposed T _c (minutes) =		8.39												

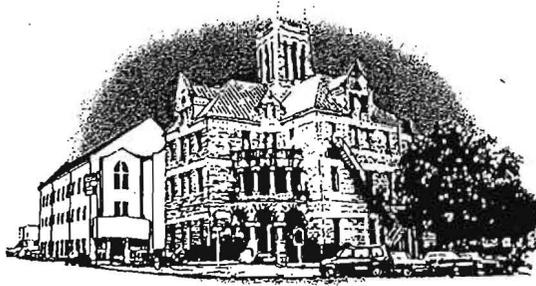
Basin 2

	C	A (acres)	2-Year		5-Year		10-Year		25-Year		50-Year		100-Year	
			I	Q	I	Q	I	Q	I	Q	I	Q	I	Q
Existing Hydrology	0.30	8.56	3.90	10.16	5.02	13.09	5.79	15.10	6.66	17.36	7.28	18.96	8.30	21.63
Proposed Hydrology	0.68	5.28	6.01	21.48	7.65	27.34	8.80	31.44	10.07	35.96	10.92	39.02	12.54	44.80
Increase in runoff due to development =				11.32		14.25		16.34		18.60		20.05		23.17
Existing T _c (minutes) =		20.04												
Proposed T _c (minutes) =		8.10												

The characteristics of the post-project stormwater generated onsite will be influenced by site features that generate non-point pollution. This non-point pollution will include oil and grease from the paved areas, suspended solids, sedimentation, and nutrients for lawn care, and possible pesticides and herbicides. The stormwater runoff will flow across pervious areas of rocky soil, with native grasses into a sand filtration pond designed to remove 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site before discharge into Cypress Creek.

Attachment F

Suitability Letter from Authorized Agent



Comal County

OFFICE OF COMAL COUNTY ENGINEER

November 12, 2007

Keith C. Strimple
M&S Engineering Management, Inc.
P.O. BOX 970
Spring Branch, Texas 78070

Re: Proposed Application for Licensing Authority Recommendation for Private
Sewerage Facilities for a Proposed Subdivision, HWY 281 BUSINESS
PARK.

Dear Applicant:

We have completed the field inspection of the referenced for the recommendation for private
sewerage facilities and have found the property to be approved with the condition that
individual septic systems permits shall be required for the lots within this subdivision.

Please be advised that these individual permits will be required to meet 30 TAC 285, On-
Site Sewerage Facilities Rules of the Texas Commission on Environmental Quality.

Should you have any questions, please feel free to contact us.

Sincerely,

Shawn T. Schorn, E.I.T.
Comal County Engineer

RECEIVED
DEC 2 2007

Application for Licensing Authority Recommendation
for Private Sewerage Facilities for a Proposed Subdivision **COUNTY**

Date: 12/11/07

Fee Schedule:

Subdivision Name: Highway 281 Business Park

5 or less tracts: \$20/tract

6 or more tracts: \$100 base fee + \$5/tract

Owner's Name: Luke Wilburn

Total Fee: \$ 205.00 (already submitted)

Address: 7200 Hwy 281 N. Suite 6, Spring Branch

Received by: _____

Phone #: (210) 696-9996

Make check payable to Comal County

According to TAC §285.4(c), before the permit process for individual OSSFs can begin, persons proposing residential subdivisions, manufactured housing communities, multi-unit residential developments, business parks, or other similar uses within Comal County and using on-site sewage facilities (OSSFs) for sewage disposal are required to submit planning materials for these developments to Comal County, as the Authorized Agent of the Texas Commission on Environmental Quality (TCEQ). The planning materials shall be prepared by a professional engineer or professional sanitarian and shall include:

- an overall site plan
- topographic map
- 100-year floodplain map
- soil survey
- location of water wells
- locations of easements as identified in TAC §285.91(10) (relating to Tables)
- a complete report detailing the types of OSSFs to be considered and their compatibility with area-wide drainage and groundwater
- a comprehensive drainage plan

Comal County also asks for an existing improvements sketch and gate combination(s) in order to adequately inspect the site for use of OSSFs for sewage disposal.

Keith C. Strimple
Applicant/Agent Signature



Date of Review (must be within 45 days of receipt): _____

Approved

Denied

Reasons for Denial: _____

Reviewer: Heaven Scham, D.R.

* Note: This sheet shall be first with all planning materials listed above following behind.

Alternative Secondary Containment Methods

Attachment G

Alternative Secondary Containment Methods

NOT APPLICABLE

Attachment H

AST Containment Structure Drawings

Attachment H

AST Containment Structure Drawings

NOT APPLICABLE

20% or Less Impervious Cover Waiver

Attachment I

20% or Less Impervious Cover Waiver

NOT APPLICABLE

BMPs for Upgradient Stormwater

Attachment J

BMPs For Upgradient Stormwater

No BMP's are required because there is no upgradient stormwater flowing onto this site.

BMPs for On-site Stormwater

BMPs FOR ON-SITE STORMWATER

In Basin 1 a sand filter and a detention pond will be constructed to prevent pollution of surface water or groundwater that originates on-site and control the increase of stormwater due to the proposed improvements. The sand filter also acts to detain stormwater. A concrete chamber with an orifice discharging into the sand filter and an overflow weir serves as a flow splitter. The orifice is sized such that when the chamber is full it releases at the 25-year storm rate. Two concrete channels direct incoming stormwater to the flow splitter.

In Basin 2 a sand filter will be constructed to prevent pollution of surface water or groundwater that originates on-site and control the increase of stormwater due to the proposed improvements. The sand filter also acts to detain stormwater. A concrete channel directs incoming storm water to the sand filter. Water enters the sand filter via an orifice in the channel sized to pass the 25-year storm. Flows in excess of the 25-year storm overflow the channel flow splitter to the outfall structure. Stormwater in excess of the design volume of the sand filter is discharged by an overflow weir.

The filters are designed so that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site. The sand filters were designed to accommodate the Water Quality Volume plus 20% plus an additional 20% as it is configured as a single basin for both sedimentation and filtration. The combined volume of the sand filter and detention pond was designed to handle the proposed 100-year peak discharges with an additional 1' of freeboard.

Attachment L

BMPs for Surface Streams

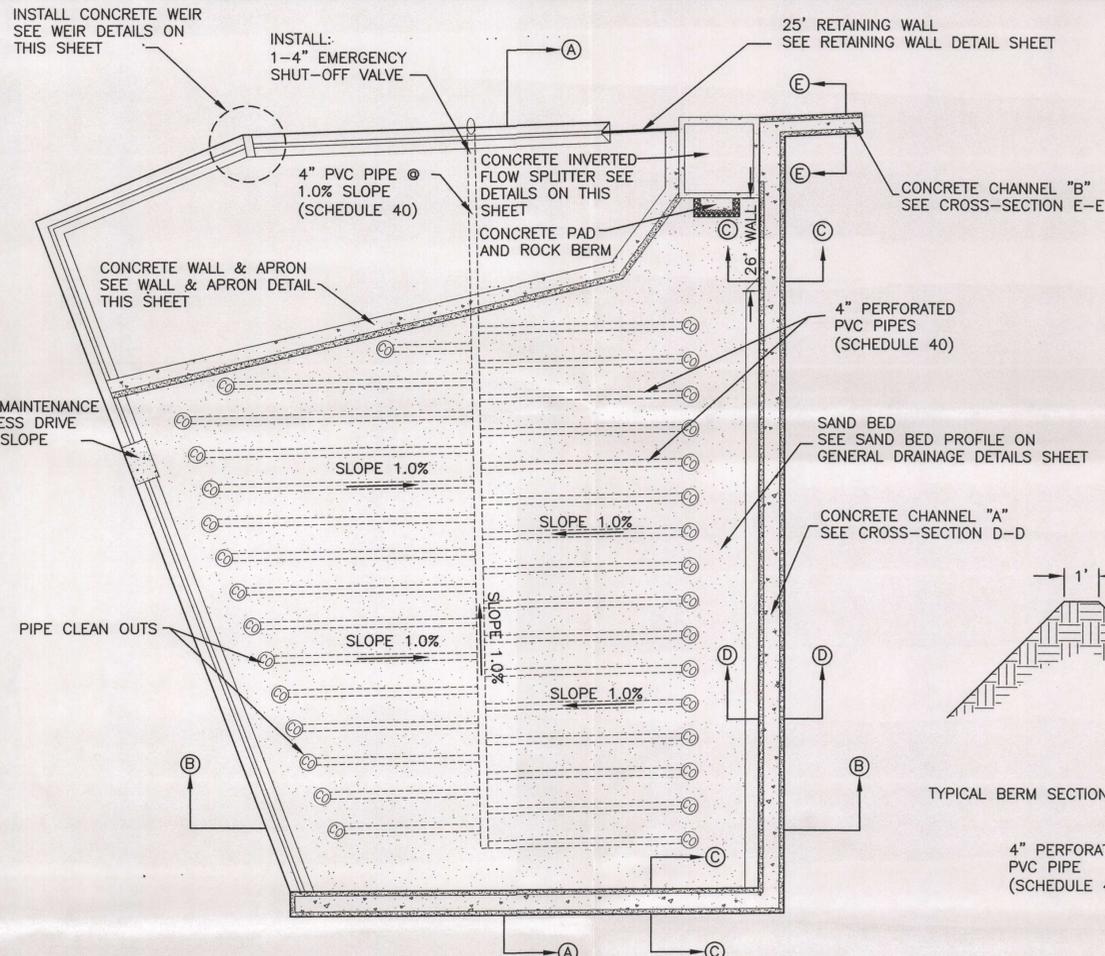
Attachment L

BMPs for Surface Streams

The sand filters and detention pond described in Attachment K will prevent pollutants from entering surface stream.

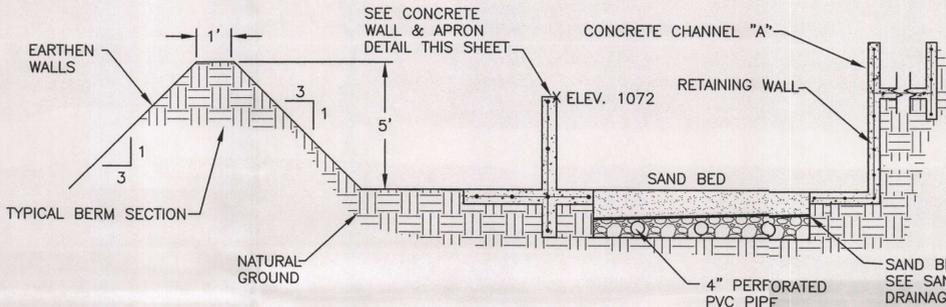
Attachment M

Construction Plans

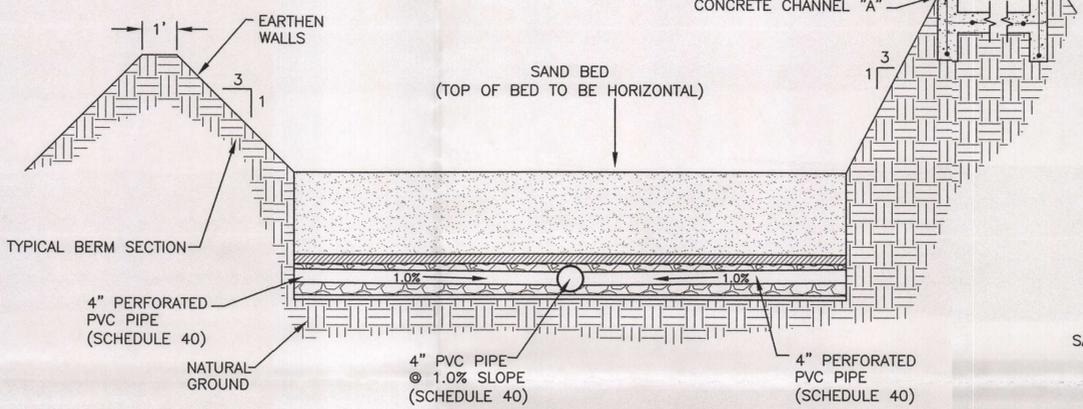


DRAINAGE POND LAYOUT
NOT TO SCALE

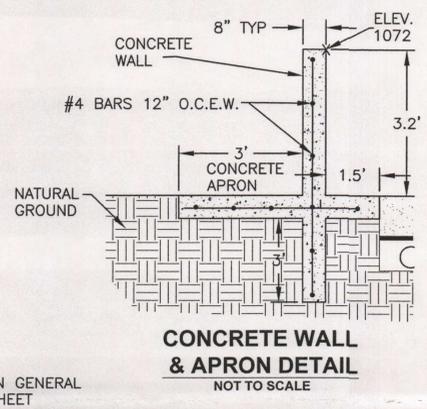
POND LOCATION NOTES:
 1. SEE PROPOSED SITE PLAN SHEET FOR LOCATION OF PROPOSED DETENTION POND.
 2. SEE DETENTION POND DIMENSION SHEET FOR LAYOUT AND DIMENSIONS.



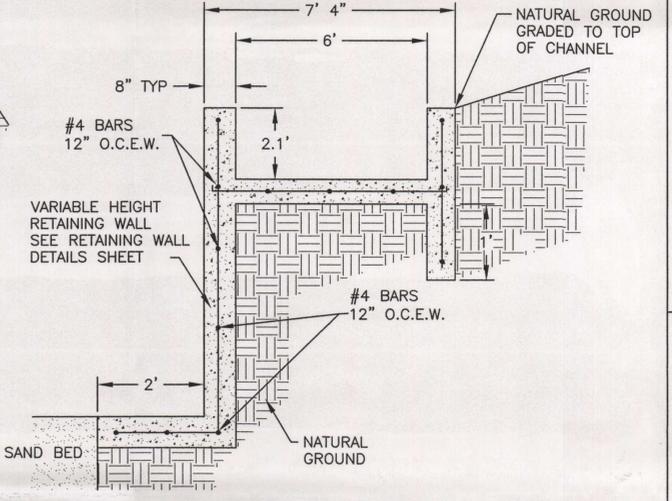
CROSS-SECTION A-A
DETENTION POND SECTION DETAIL
NOT TO SCALE



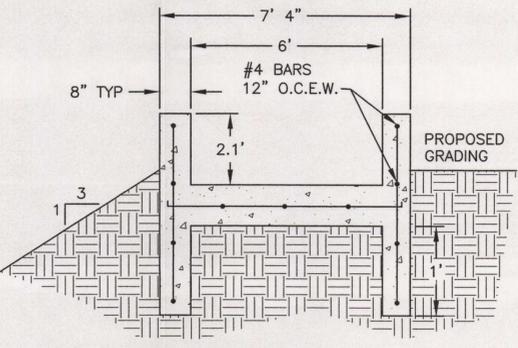
CROSS-SECTION B-B
DETENTION POND SECTION DETAIL
NOT TO SCALE



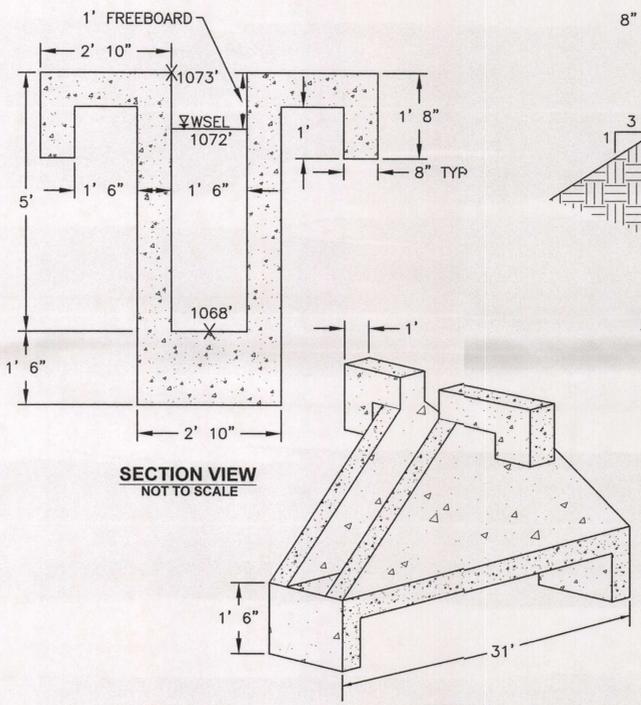
CONCRETE WALL & APRON DETAIL
NOT TO SCALE



CROSS-SECTION C-C
CONCRETE CHANNEL "A"
NOT TO SCALE



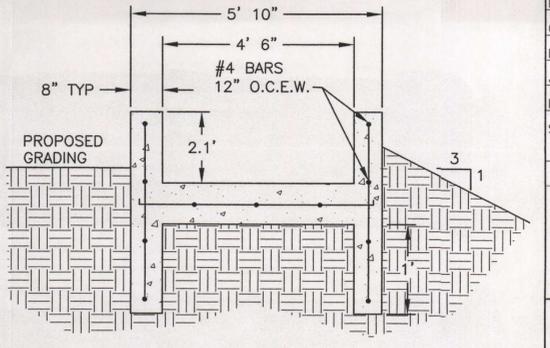
CROSS-SECTION D-D
CONCRETE CHANNEL "A" DETAIL
NOT TO SCALE



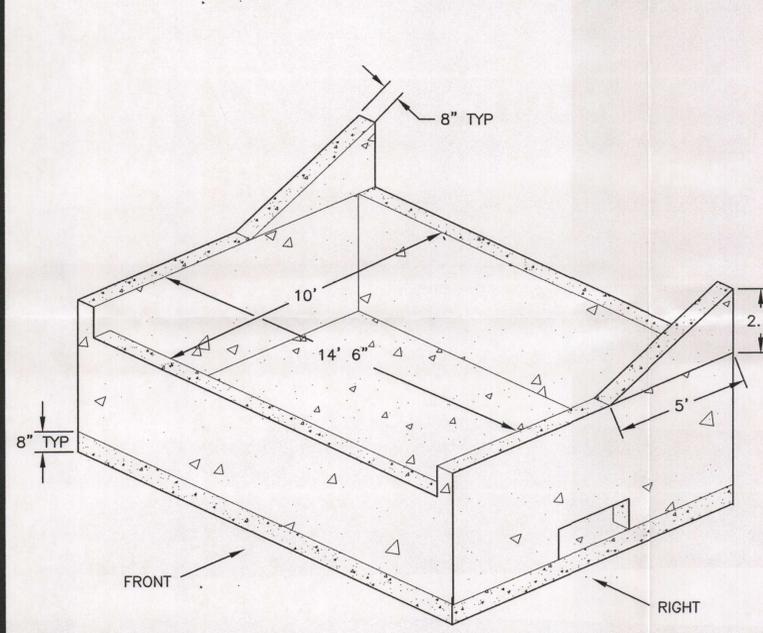
SECTION VIEW
NOT TO SCALE

ISOMETRIC VIEW
NOT TO SCALE

CONCRETE WEIR DETAILS
NOT TO SCALE

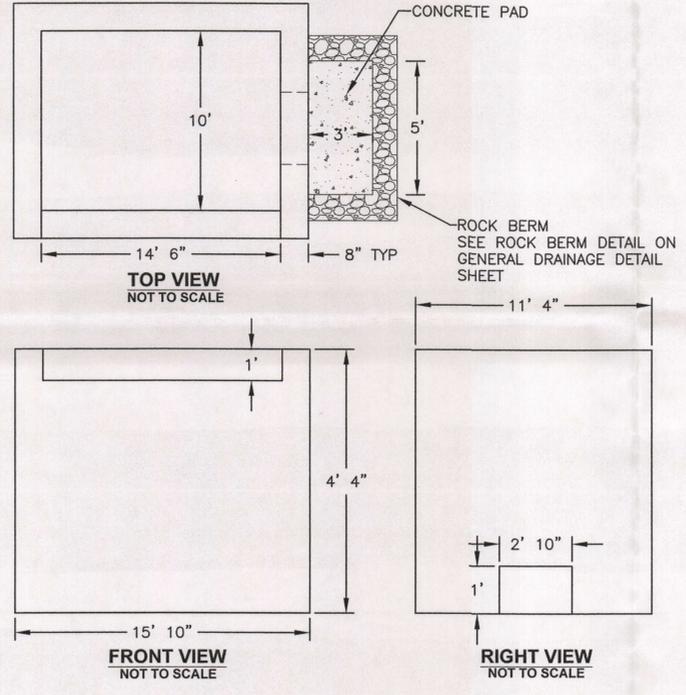


CROSS-SECTION E-E
CONCRETE CHANNEL "B" DETAIL
NOT TO SCALE



ISOMETRIC VIEW
NOT TO SCALE

CONCRETE INVERTED FLOW SPLITTER DETAILS
NOT TO SCALE



TOP VIEW
NOT TO SCALE

FRONT VIEW
NOT TO SCALE

RIGHT VIEW
NOT TO SCALE

REVISIONS

BRANCH OFFICE
P.O. BOX 391
MCQUEENEY, TEXAS 78123

MAIN OFFICE
P.O. BOX 970
SPRING BRANCH, TEXAS 78070
PHONE # (830) 228-5446
FAX # (830) 885-2170

M & S
ENGINEERING, LTD.
ENGINEERS, PLANNERS AND SURVEYORS

STATE OF TEXAS
KEITH C. STRIMBLE
66212
1/22/08

DESIGNED BY: DWK
CHECKED BY: KCS
DRAWN BY: BIL
JOB: 7LWLB001
DATE: JAN 18, 2008
SCALE: NOT TO SCALE

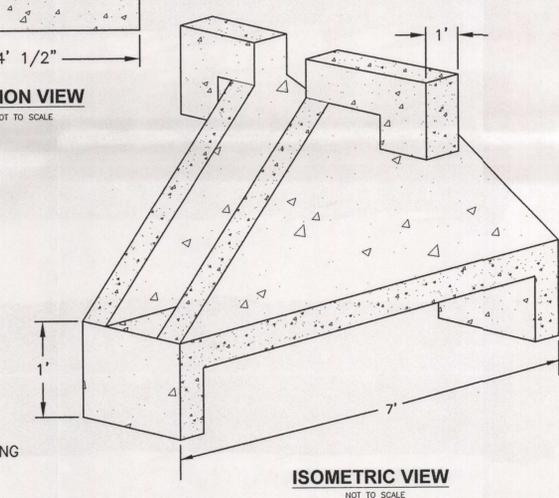
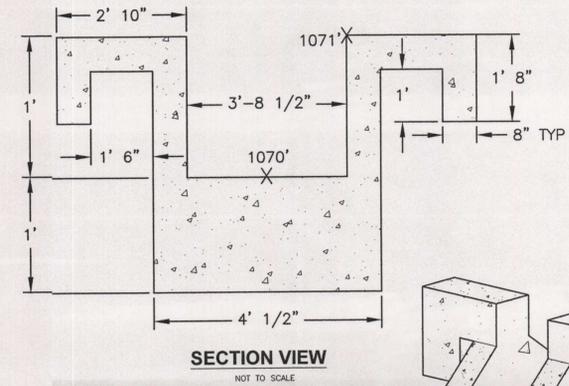
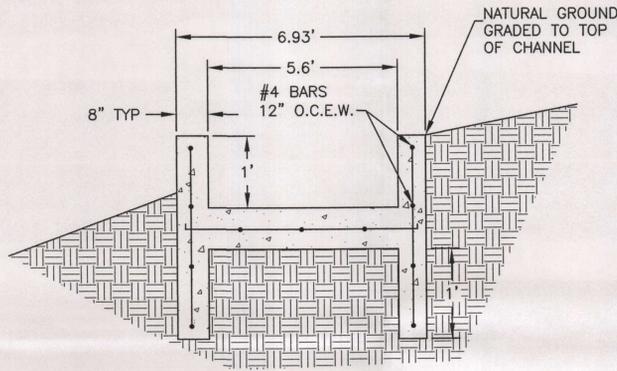
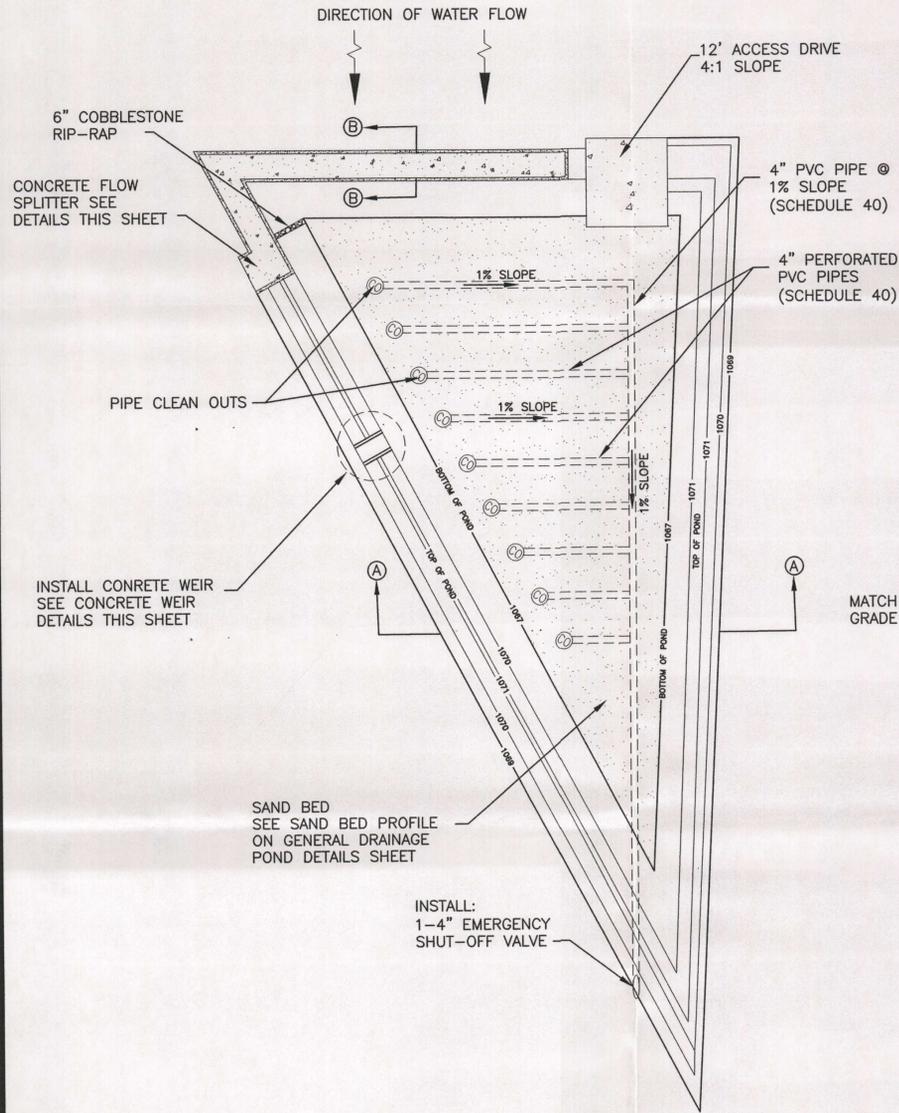
TC0813
JAN 22 2008
SAN ANTONIO

SHEET: 1 OF 5

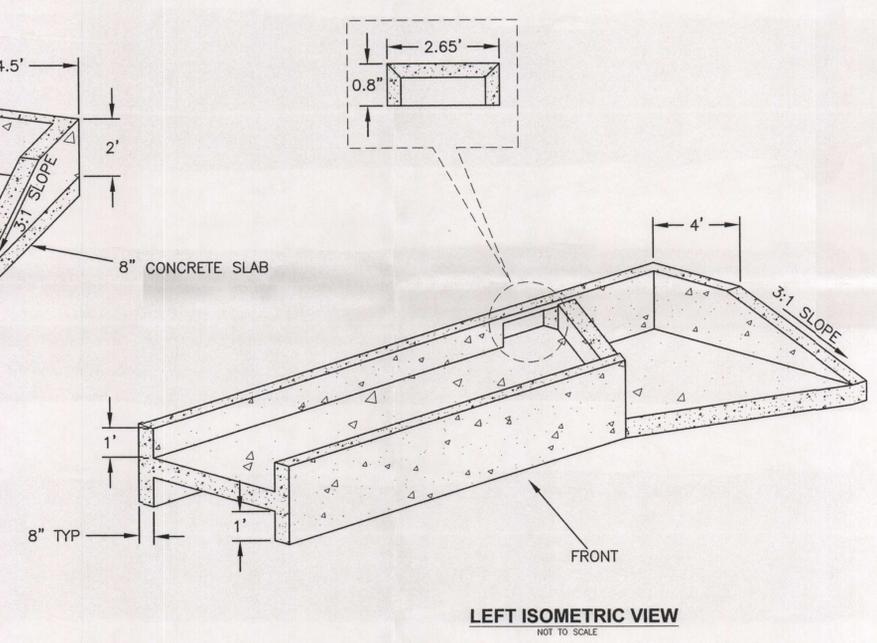
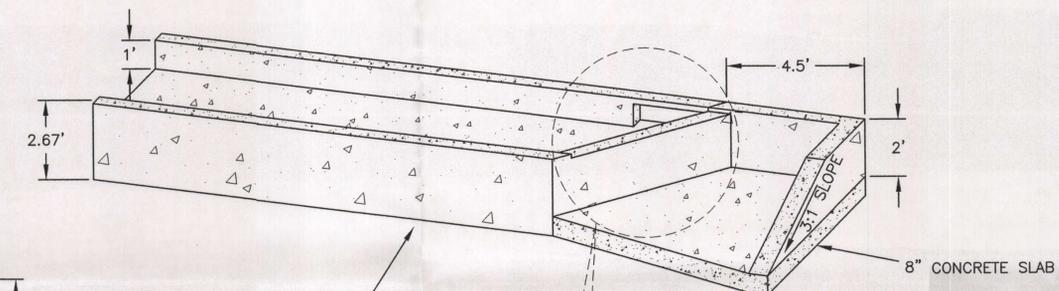
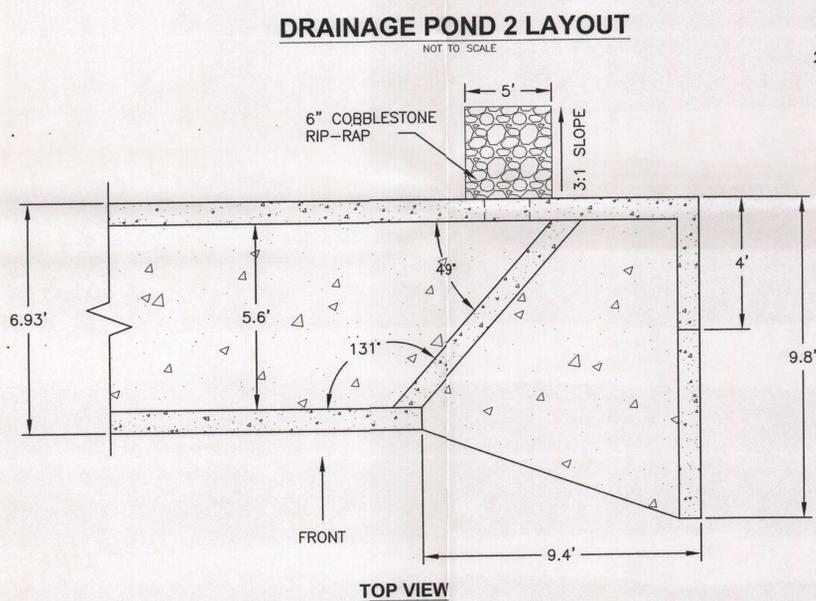
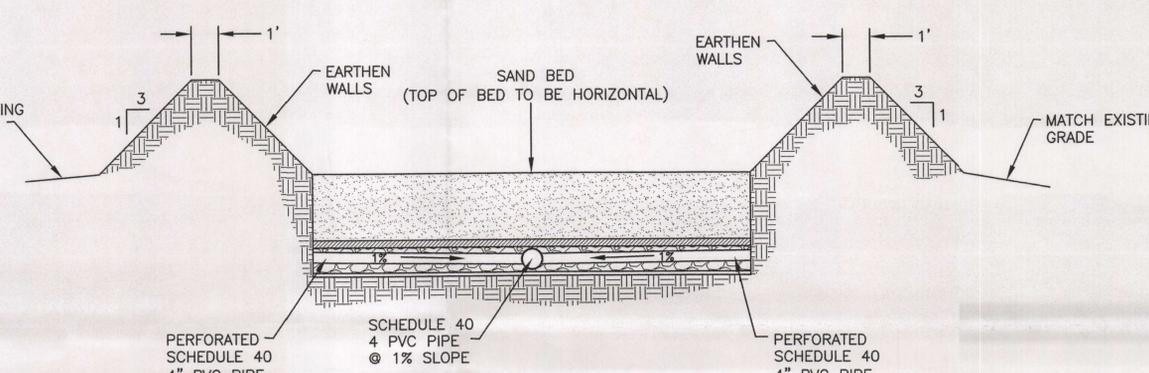
Date: Jan 18, 2008 11:59am User: ID: h39rs
File: S:\Projects\7LWLB001 - Luke Wilburn Tract\DWG\7LWLB001-DTL005.dwg

POND LOCATION NOTES:

1. SEE PROPOSED SITE PLAN SHEET FOR LOCATION OF PROPOSED DETENTION POND.
2. SEE DRAINAGE POND DIMENSION DETAILS SHEET FOR LAYOUT AND DIMENSIONS.



CONCRETE WEIR DETAILS
NOT TO SCALE



CONCRETE FLOW SPLITTER DETAILS
NOT TO SCALE

REVISIONS

BRANCH OFFICE
P.O. BOX 391
MCQUEENEY, TEXAS 78123

M & S
ENGINEERING, LTD.
ENGINEERS, PLANNERS, AND SURVEYORS

MAIN OFFICE
P.O. BOX 870
SPRING BRANCH, TEXAS 78070
PHONE # (830) 228-5446
FAX # (830) 885-2170



**HWY 281 BUSINESS PARK
LUKE WILBURN TRACT**

DRAINAGE POND 2 DETAILS

DESIGNED BY: DWK
CHECKED BY: KCS
DRAWN BY: BIL
JOB: 7LWLB001
DATE: JAN 18, 2008
SCALE: NOT TO SCALE

JAN 22 2008
SAN ANTONIO

Date: Jan 18, 2008, 1:09pm User: ID: bloya
File: S:\Active Projects\7LWLB001\Luke Wilburn Tract\DWG\7LWLB001-DTL007.dwg

POND FEATURE NOTES:

- THESE FACILITIES SHOULD BE INSTALLED AT GRADE TO FACILITATE DRYING OUT OF THE SAND BETWEEN STORM EVENTS.
- IT IS IMPERATIVE THAT THE CONTRACTOR SELECTED TO CONSTRUCT THESE FACILITIES IS AWARE OF THESE REQUIREMENTS AND UNDERSTANDS THE IMPORTANCE OF ALL ELEMENTS INCLUDED IN THE ORIGINAL DESIGN.
- ALL POND BOTTOMS, SIDE SLOPES, AND EARTHEN EMBANKMENTS SHOULD BE COMPACTED TO 95% OF MAXIMUM DENSITY. SIDE SLOPES FOR EARTHEN EMBANKMENTS SHOULD NOT EXCEED THREE TO ONE (3:1).
- EXPANSION JOINTS ON FREE STANDING WALLS SHOULD HAVE WATERTIGHT SEALS AS NEEDED. EARTHEN POND BOTTOMS SHOULD HAVE SLOPES OF AT LEAST 1.0% TOWARD THE OUTLET.
- DRAINAGE OR DRAINAGE ACCESS EASEMENTS ON SIDE LOT LINES SHOULD BE LOCATED ADJACENT TO A PROPERTY LINE WHERE FEASIBLE AND NOT CENTERED ON A PROPERTY LINE FOR GENERAL MAINTENANCE ACCESS.
- THE FILTER BED SHOULD BE CONSTRUCTED SUCH THAT THE TOP OF THE MEDIA IS COMPLETELY LEVEL TO ENSURE PROPORTIONATE USE OF FILTER MEDIA.
- SAND & GRAVEL CONFIGURATION: THE SAND FILTER IS CONSTRUCTED WITH 18 INCHES OF SAND OVERLYING 6 INCHES OF GRAVEL. THE SAND AND GRAVEL MEDIA ARE SEPARATED BY PERMEABLE GEOTEXTILE FABRIC. FOUR INCH PERFORATED PVC PIPE IS USED TO DRAIN CAPTURED FLOWS FROM THE GRAVEL LAYER. A MINIMUM OF 2 INCHES OF GRAVEL MUST COVER THE TOP SURFACE OF THE PVC PIPE.
- SAND PROPERTIES: THE SAND GRAIN SIZE DISTRIBUTION SHOULD BE COMPARABLE TO THAT OF "WASHED CONCRETE SAND" (I.E., ASTM C-33 FINE AGGREGATE.)
- UNDERDRAIN PIPE CONFIGURATION: THE UNDER DRAIN PIPING SHOULD CONSIST OF A MAIN COLLECTOR PIPE AND TWO OR MORE LATERAL BRANCH PIPES, EACH WITH A MINIMUM DIAMETER OF 4 INCHES. THE PIPES SHOULD HAVE A MINIMUM SLOPE OF 1% (1/8 INCH PER FOOT) AND THE LATERALS SHOULD BE SPACED AT INTERVALS OF NO MORE THAN 10 FEET. THERE SHOULD BE NO FEWER THAN TWO LATERAL BRANCH PIPES. EACH INDIVIDUAL UNDERDRAIN PIPE SHOULD HAVE A SCREW-ON CLEANOUT ACCESS LOCATION. ALL PIPING IS TO BE SCHEDULE 40 PVC. THE MAXIMUM SPACING BETWEEN ROWS OF PERFORATIONS SHOULD NOT EXCEED 6 INCHES.
- BASIN LINING: IMPERMEABLE LINERS SHOULD BE USED FOR WATER QUALITY BASINS (RETENTION, EXTENDED DETENTION, SAND FILTERS, WET PONDS AND CONSTRUCTED WETLANDS) LOCATED OVER THE RECHARGE ZONE AND IN THE AREAS WITH THE POTENTIAL FOR GROUNDWATER CONTAMINATION. IMPERMEABLE LINERS MAY BE CLAY, CONCRETE OR GEOMEMBRANE.
- FLOW SPLITTER: THE INFLOW STRUCTURE TO THE SEDIMENTATION CHAMBER SHOULD INCORPORATE A FLOW-SPLITTING DEVICE CAPABLE OF ISOLATING THE CAPTURE VOLUME AND BYPASSING THE 25-YEAR PEAK FLOW AROUND THE SAND FILTER SYSTEM ONCE THE ENTIRE WATER QUALITY VOLUME HAS BEEN CAPTURED.
- MAINTENANCE: A FIXED VERTICAL SEDIMENT DEPTH MARKER SHOULD BE INSTALLED TO INDICATE WHEN SEDIMENT ACCUMULATION EQUALS 6" AND REMOVAL OF SEDIMENT IS REQUIRED.

GEOTEXTILE FABRIC SPECIFICATIONS			
PROPERTY	TEST METHOD	UNIT	SPECIFICATION (MIN)
UNIT WEIGHT		OZ/YD ²	8
FILTRATION RATE		IN/SEC	0.08
PUNCTURE STRENGTH	ASTM D-751*	LBS	125
MULLEN BURST STRENGTH	ASTM D-751	PSI	400
TENSILE	ASTM D-1682	LBS	200
EQUIV. OPENING SIZE	US STANDARD SIEVE	NO.	80

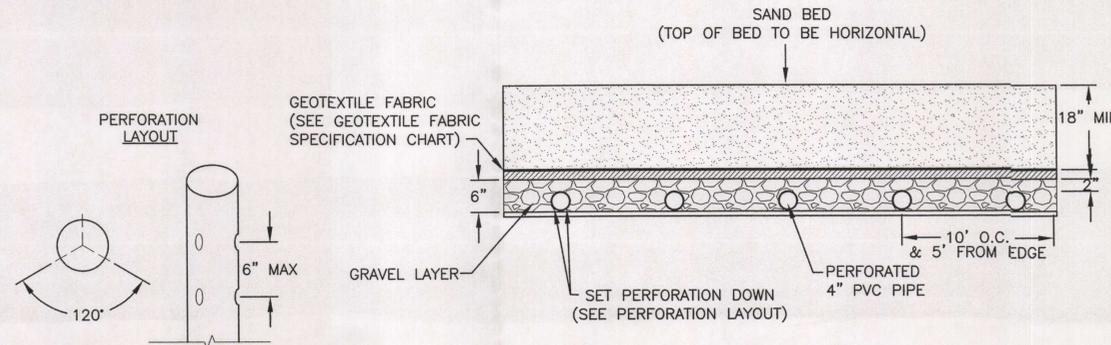
*MODIFIED

NOTES:

- CONTRACTOR TO SELECT GEOTEXTILE FABRIC TO MEET THE LISTED SPECIFICATIONS.
- IF A GEOMEMBRANE LINER IS USED IT SHOULD HAVE A MINIMUM THICKNESS OF 30 MILS AND BE ULTRAVIOLET RESISTANT. THE GEOTEXTILE FABRIC (FOR PROTECTION OF GEOMEMBRANE) SHOULD BE NON-WOVEN GEOTEXTILE FABRIC AND MEET THE SPECIFICATIONS IN THE ABOVE TABLE.

GEOTEXTILE FABRIC SPECIFICATION CHART

NOT TO SCALE



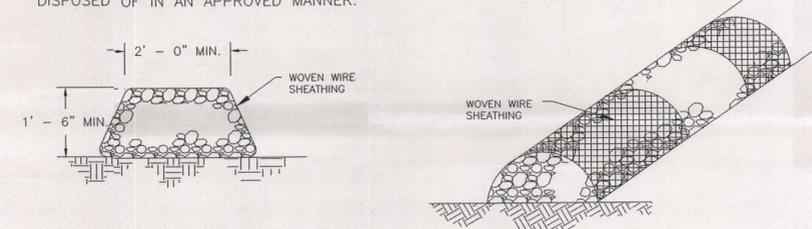
SAND BED PROFILE DETAIL

WITH GRAVEL FILTER

NOT TO SCALE

ROCK BERM NOTES:

- USE ONLY OPEN GRADED ROCK 4-8 INCH DIAMETER FOR STREAM FLOW CONDITIONS; USE OPEN GRADED ROCK 3-5 INCHES DIAMETER FOR OTHER CONDITIONS.
- THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 1 INCH OPENINGS AND MINIMUM WIRE DIAMETER OF 20 GAUGE.
- THE ROCK BERM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE - WOVEN WIRE SHEATHING, SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
- WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CREATE A SILTATION PROBLEM.
- DAILY INSPECTION SHALL BE MADE ON SEVERE SERVICE ROCK BERMS; SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 6 INCHES.
- WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.



ROCK BERM DETAILS

NOT TO SCALE

Impervious Cover		(acre)
Existing:		
Existing Impervious Cover:	0.38	
Proposed:		
Streets:	1.62	
# Lots:	14.00	
Fraction Impervious Cover / lot:	0.60	
Average lot size:	1.00	
Total Impervious Cover:	10.02	
Total Pervious Cover:	8.27	

Required TSS Removal		acres
An:	9,6358	
P:	33	inches
Lm:	8,649.09	pounds
Lm = 27.2 x (An x P)		
Lm: Required TSS removal		
An: Net increase in impervious cover		
P: Average annual precipitation		

TSS Load Removed by BMP		acres
Ai:	8.86	
Ap:	6.53	acres
E:	0.89	
Lr:	9,107.11	pounds
Lr = E x P x (Ai x 34.6 + Ap x 0.54)		
E: BMP Efficiency		
Lr: Load removed by BMP		
Ai: impervious tributary area to the BMP		
Ap: pervious tributary area to BMP		

Fraction of Annual Runoff to be Treated	
F:	0.95
F = Lm / Lr	

Capture Volume		inches
D:	2.6	
IC:	0.58	
C:	0.40	
Area:	15.39	acres
WQV:	16.14	acre-in
WQV:	58,590.66	cubic feet
WQV = D x C x Area		
C = 1.72(IC)^3 - 1.97(IC)^2 + 1.23(IC) + 0.02		
D: Rainfall Depth		
C: Runoff Coefficient		
IC: Fraction of impervious cover		

Facility Sizing		cubic feet
WQV+40%:	82,026.92	
Proposed Filter Size:	86,532.80	cubic feet

Minimum Surface Area		square feet
Af:	8,202.69	
Af = WQV / 10		
Af: minimum surface area for filtration basin		

Basin 1 Flow Splitter		cfs
25-Year Storm Discharge:	127.57	
100-Year Storm Discharge:	158.92	
Difference:	31.34	
Channel A		
Target Capacity:	97.34	cfs
Depth:	2.1	feet
Width:	6	feet
Length:	370	feet
Slope:	0.5	%
Upper Elevation:	1074.85	feet
Lower Elevation:	1073	feet
Channel B		
Target Capacity:	61.58	cfs
Depth:	2.1	feet
Width:	4.5	feet
Length:	15	feet
Slope:	0.5	%
Upper Elevation:	1073.075	feet
Lower Elevation:	1073	feet

Flow Splitter		cfs
Discharge:	127.57	
Head:	3.32	feet
Opening Height:	1.00	feet
Opening Width:	2.84	feet
Overflow Weir		
Weir Discharge:	31.34	cfs
Headwater Height:	0.8	feet
Weir Coefficient:	3.33	
Weir Length:	14.49	feet
Weir Equation: L = Q / (C * H^1.5)		
*Channel Capacity calculated using Bentley Flowmaster		
*Orifice Dimensions calculated using Bentley Flowmaster		

Sand Filter Outlet		cfs
4" PVC Pipe		
Headwater Height:	4.0	feet
Pressure:	1.7	psi
Length:	74	feet
Slope:	1.0	%
Discharge:	0.5	cfs
*Pipe Discharge calculated using Bentley FlowMaster		
Basin 1 Detention Pond Weir		
Existing Conditions Discharge:	40.82	cfs
Depth:	2.1	feet
Sand Filter Discharge:	0.50	cfs
Weir Discharge:	40.32	cfs
Headwater Height:	4.0	feet
Weir Coefficient:	3.33	
Weir Length:	1.51	feet
Weir Equation: L = Q / (C * H^1.5)		

Impervious Cover		(acre)
Existing:		
Existing Impervious Cover:	0.02	
Proposed:		
Streets:	0.00	
# Lots:	5.00	
Fraction Impervious Cover / lot:	0.60	
Average lot size:	1.00	
Total Impervious Cover:	3.00	
Total Pervious Cover:	2.28	

Required TSS Removal		acres
An:	2.98	
P:	33	inches
Lm:	2,678.62	pounds
Lm = 27.2 x (An x P)		
Lm: Required TSS removal		
An: Net increase in impervious cover		
P: Average annual precipitation		

TSS Load Removed by BMP		acres
Ai:	3.00	
Ap:	2.28	acres
E:	0.89	
Lr:	3,084.77	pounds
Lr = E x P x (Ai x 34.6 + Ap x 0.54)		
E: BMP Efficiency		
Lr: Load removed by BMP		
Ai: impervious tributary area to the BMP		
Ap: pervious tributary area to BMP		

Fraction of Annual Runoff to be Treated	
F:	0.87
F = Lm / Lr	

Capture Volume		inches
D:	1.44	
IC:	0.57	
C:	0.40	
Area:	5.28	acres
WQV:	3.03	acre-in
WQV:	10,995.16	cubic feet
WQV = D x C x Area		
C = 1.72(IC)^3 - 1.97(IC)^2 + 1.23(IC) + 0.02		
D: Rainfall Depth		
C: Runoff Coefficient		
IC: Fraction of impervious cover		

Facility Sizing		cubic feet
WQV+40%:	15,393.22	
Proposed Filter Size:	19,712.26	cubic feet

Minimum Surface Area		square feet
Af:	1,539.32	
Af = WQV / 10		
Af: minimum surface area for filtration basin		

Sand Filter Outlet		cfs
4" PVC Pipe		
Headwater Height:	3.0	feet
Pressure:	1.3	psi
Length:	80	feet
Slope:	1.0	%
Discharge:	0.4	cfs
*Pipe Discharge calculated using Bentley FlowMaster		

Basin 2 Flow Splitter		cfs
25-Year Storm Discharge:	35.96	
100-Year Storm Discharge:	44.80	
Difference:	8.84	
Channel C		
Target Capacity:	44.80	cfs
Depth:	1.0	feet
Width:	5.6	feet
Length:	100	feet
Slope:	1.0	%
Upper Elevation:	1071	feet
Lower Elevation:	1070	feet
Flow Splitter		
Discharge:	35.88	cfs
Flow Splitter Height:	0.86	ft
Flow Splitter Orifice Height:	0.80	ft
Flow Splitter Orifice Width:	2.65	ft
*Channel Capacity calculated using Bentley Flowmaster		
*Orifice Dimensions calculated using Bentley Flowmaster		

Basin 2 Overflow Weir		cfs
Weir Discharge:	12.40	
Headwater Height:	1.0	feet
Weir Coefficient:	3.33	
Weir Length:	3.72	feet
Weir Equation: L = Q / (C * H^1.5)		

Basin 2 Discharge		cfs
Existing Conditions Discharge:	21.63	
Proposed Sand Filter Discharge:	0.40	cfs
Proposed Flow Splitter Discharge:	8.84	cfs
Proposed Overflow Weir:	12.40	cfs
Total Proposed Discharge:	21.63	cfs

Date: Jan 18, 2008, 11:09am User: bboy File: S:\Active Projects\ZLUWB001 Luke Wilburn Tract\DWG\ZLUWB001-DTL006.dwg

BMP CALCULATIONS DRAINAGE POND 1

BMP CALCULATIONS DRAINAGE POND 2

REVISIONS

BRANCH OFFICE
P.O. BOX 391
MCQUEENEY, TEXAS 78123

M & S
ENGINEERING, LTD.
ENGINEERS, PLANNERS, AND SURVEYORS

MAIN OFFICE
P.O. BOX 970
SPRING BRANCH, TEXAS 78070
PHONE # (830) 228-5446
FAX # (830) 885-2170

STATE OF TEXAS
KEITH C. STAMPEL
REGISTERED PROFESSIONAL ENGINEER
NO. 66212

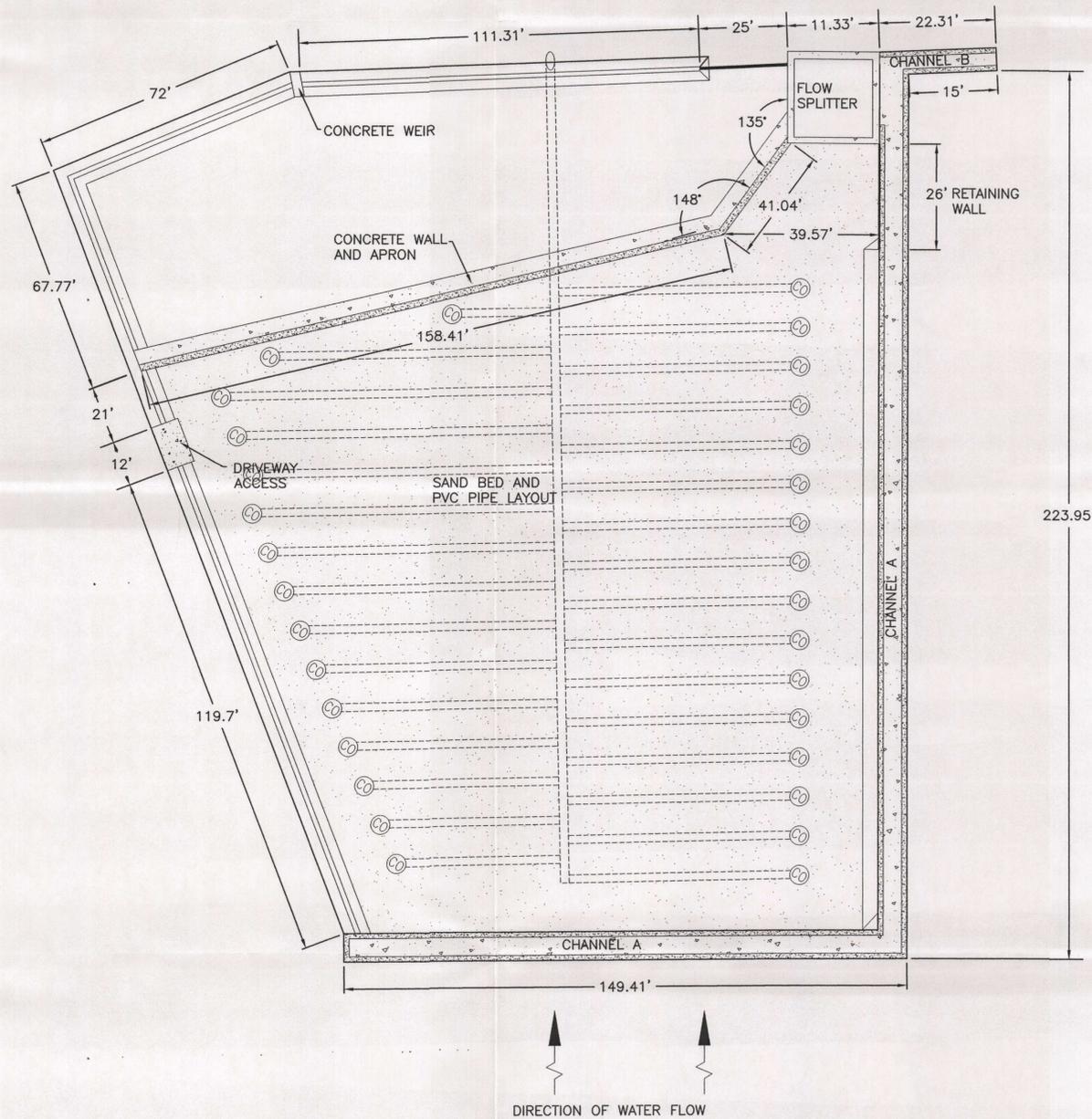
1/22/08

HWY 281 BUSINESS PARK
LUKE WILBURN TRACT
GENERAL DRAINAGE POND DETAILS

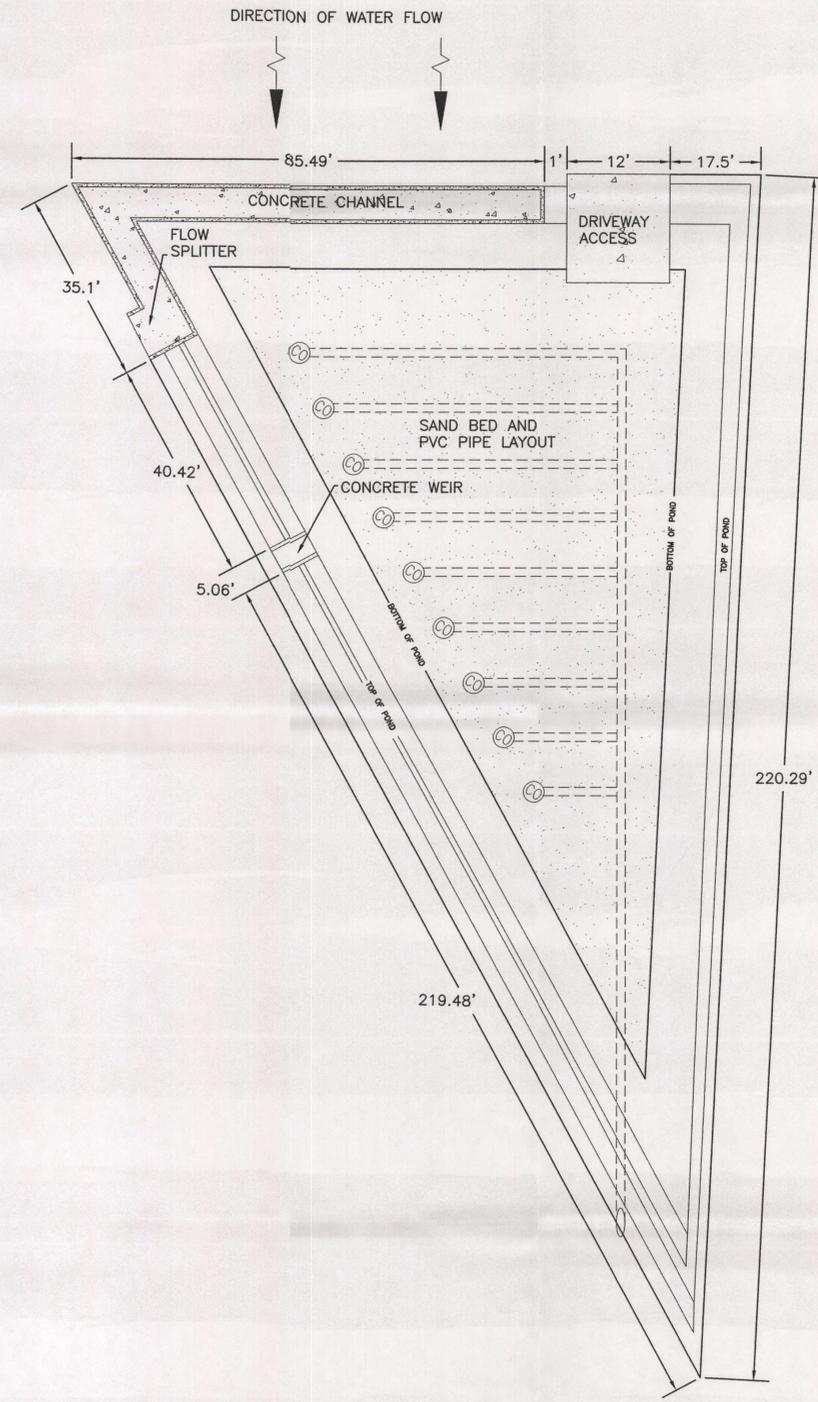
DESIGNED BY: DWK
CHECKED BY: KCS
DRAWN BY: BIL
JOB: 7LWLB001
DATE: JAN 18, 2008
SCALE: NOT TO SCALE

JAN 22 2008
SAN ANTONIO

Date: Jan 18, 2008, 11:09am User: ID: bloya
 File: S:\Active Projects\7LWILB001 Luke Wilburn Tract\DWG\7LWILB001-DTL008.dwg



DRAINAGE POND 1 DIMENSIONS
 NOT TO SCALE



DRAINAGE POND 2 DIMENSIONS
 NOT TO SCALE

REVISIONS

BRANCH OFFICE
 P.O. BOX 391
 McQUEENEY, TEXAS 78123

M & S

MAIN OFFICE
 P.O. BOX 970
 SPRING BRANCH, TEXAS 78070
 PHONE # (830) 228-5446
 FAX # (830) 885-2170

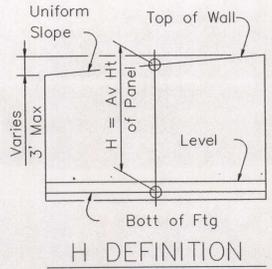


**HWY 281 BUSINESS PARK
 LUKE WILBURN TRACT**
 DRAINAGE POND DIMENSION DETAILS

DESIGNED BY: DWK
 CHECKED BY: KCS
 DRAWN BY: BIL
 JOB: 7LWILB001
 DATE: JAN 18, 2008
 SCALE: NOT TO SCALE

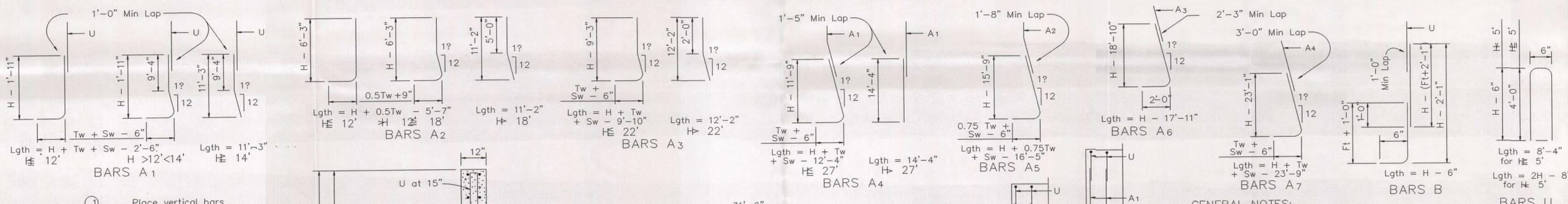
JAN 22 2008
 SAN ANTONIO

SHEET:



Wall Height "H" (Ft)	PROPERTIES								REINFORCING STEEL FOR ONE 32' PANEL (DESIGN B)																				QUANTITY FOR ONE 32' PANEL		Wall Height "H" (Ft)										
	WALL DIMENSIONS								Max Soil Press	A1 ~ 26 #5 at 15" c-c		A2 ~ 25 #6 at 15" c-c		A3 ~ 25 #7 at 15" c-c		A4 ~ 26 #8 at 15" c-c		A5 ~ 25 #9 at 15" c-c		A6 ~ 25 #11 at 15" c-c		A7 ~ 26 #11 at 15" c-c		B ~ 26 #5 at 15" c-c		C		D (#5) at 12" c-c		Dowel F at 12" c-c		H (#5) at 12" c-c		T (#5) at 12" c-c		U ~ 26 #5 at 15" c-c		CONC (CY)	REINF (LB)		
	Fw	Tw	Sw	Hw	Ft	Kw	T/SF	Lgth		Wt	Lgth	Wt	Lgth	Wt	Lgth	Wt	Size	No	Spa	Lgth	Wt	No		Wt	No	Wt	No	Wt	No			Wt	No								
2	2'-8"	1'-4"	1'-0"	4"	1'-0"	9"	0.15																26	#4	15"	1'-10"	32	4	131	4	32	2	66	2	66	3'-4"	90	5.0	418	2	
3	3'-6"	1'-9"	1'-0"	9"	1'-0"	9"	0.18																26	#4	15"	2'-3"	39	6	197	5	40	2	66	3	99	5'-4"	145	7.2	586	3	
4	4'-3"	2'-2"	1'-0"	1'-1"	1'-0"	9"	0.21	4'-8"	127														26	#4	15"	2'-8"	46	8	263	6	48	3	99	3	99	7'-4"	199	9.3	976	4	
5	5'-0"	2'-6"	1'-0"	1'-6"	1'-0"	9"	0.24	6'-0"	163														26	#4	15"	3'-0"	52	10	329	7	56	3	99	3	99	8'-4"	226	11.3	1146	5	
6	5'-8"	2'-10"	1'-0"	1'-10"	1'-0"	9"	0.28	7'-4"	199														26	#4	15"	3'-4"	58	12	394	8	64	3	99	4	131	8'-4"	226	13.3	1321	6	
7	6'-4"	3'-2"	1'-0"	2'-2"	1'-0"	9"	0.31	8'-8"	235														26	#4	15"	3'-8"	64	14	460	9	72	3	99	4	131	8'-4"	226	15.3	1463	7	
8	7'-0"	3'-6"	1'-0"	2'-6"	1'-0"	9"	0.35	10'-0"	271	4'-2"	156												26	#4	10"	4'-0"	102	16	526	10	80	4	131	4	131	8'-4"	226	17.3	1825	8	
9	7'-9"	3'-10"	1'-0"	2'-11"	1'-0"	9"	0.38	11'-4"	307	5'-4"	200												26	#4	10"	4'-4"	107	18	591	11	88	4	131	5	164	8'-4"	226	19.3	2185	9	
10	8'-6"	4'-3"	1'-0"	3'-3"	1'-0"	9"	0.40	12'-9"	346	6'-7"	247												26	#4	10"	4'-9"	112	20	657	12	96	4	131	5	164	8'-4"	226	21.4	2396	10	
11	9'-2"	4'-7"	1'-0"	3'-7"	1'-0"	9"	0.43	14'-1"	382	7'-8"	288	6'-9"	345										26	#4	10"	5'-1"	121	22	723	13	104	5	164	6	197	8'-4"	226	23.4	3103	11	
12	9'-10"	4'-11"	1'-0"	3'-11"	1'-0"	9"	0.46	15'-5"	418	8'-11"	335	8'-1"	413										26	#4	10"	5'-5"	131	24	789	14	112	5	164	6	197	8'-4"	226	25.9	3515	12	
13	10'-6"	5'-3"	1'-0"	4'-1"	1'-0"	9"	0.50	16'-10"	456	10'-1"	379	9'-6"	485										26	#4	10"	5'-9"	143	26	854	15	120	6	197	6	197	8'-4"	226	27.9	3996	13	
14	11'-2"	5'-7"	1'-2"	4'-5"	1'-3"	1'-3"	0.55	11'-3"	307	11'-2"	419	10'-11"	558	8'-5"	584								26	#4	10"	6'-1"	151	28	920	16	128	6	197	7	230	8'-4"	226	30.1	4321	14	
15	11'-10"	5'-11"	1'-3"	4'-7"	1'-3"	1'-3"	0.59	11'-3"	307	12'-5"	466	12'-4"	630	9'-10"	683								26	#4	10"	6'-5"	161	30	986	17	136	7	230	7	230	8'-4"	226	32.1	4646	15	
16	12'-6"	6'-3"	1'-4"	4'-11"	1'-3"	1'-3"	0.64	11'-3"	307	13'-7"	510	13'-9"	703	11'-2"	775								26	#4	10"	6'-9"	171	32	1061	18	144	7	230	8	263	8'-4"	226	34.1	4971	16	
17	13'-3"	6'-7"	1'-5"	5'-3"	1'-6"	1'-6"	0.67	11'-3"	307	14'-9"	554	15'-2"	775	12'-8"	879								26	#4	10"	7'-2"	181	34	1147	19	152	8	263	8	263	8'-4"	226	36.1	5296	17	
18	13'-10"	6'-11"	1'-6"	5'-4"	1'-6"	1'-6"	0.71	11'-3"	307	15'-11"	598	16'-7"	847	14'-1"	978								26	#4	10"	7'-5"	191	36	1233	20	160	8	263	8	263	8'-4"	226	38.1	5621	18	
19	14'-6"	7'-3"	1'-7"	5'-8"	1'-9"	1'-6"	0.76	11'-3"	307	11'-2"	419	18'-0"	920	15'-5"	1070	9'-7"	815						26	#4	10"	7'-9"	201	38	1319	21	168	8	263	9	296	8'-4"	226	40.1	5946	19	
20	15'-2"	7'-7"	1'-8"	5'-10"	1'-9"	1'-6"	0.80	11'-3"	307	11'-2"	419	19'-5"	992	16'-11"	1174	10'-11"	928						26	#4	10"	8'-1"	211	40	1405	22	176	9	296	10	329	8'-4"	226	42.1	6271	20	
21	16'-0"	8'-0"	1'-9"	6'-2"	1'-9"	1'-6"	0.81	11'-3"	307	11'-2"	419	20'-11"	1069	18'-5"	1278	12'-4"	1048						26	#4	10"	8'-5"	221	42	1491	23	184	9	296	10	329	8'-4"	226	44.1	6596	21	
22	16'-6"	8'-3"	1'-10"	6'-4"	2'-0"	1'-6"	0.88	11'-3"	307	11'-2"	419	22'-3"	1137	19'-9"	1371	13'-7"	1155						26	#4	10"	8'-9"	231	44	1577	24	192	9	296	10	329	8'-4"	226	46.1	6921	22	
23	17'-3"	8'-7"	1'-11"	6'-8"	2'-0"	1'-6"	0.91	11'-3"	307	11'-2"	419	22'-3"	1137	19'-9"	1371	13'-7"	1155						26	#4	10"	9'-1"	241	46	1663	25	200	10	329	11	361	8'-4"	226	48.1	7246	23	
24	18'-0"	9'-0"	2'-0"	6'-11"	2'-3"	1'-6"	0.95	11'-3"	307	11'-2"	419	22'-3"	1137	19'-9"	1371	13'-7"	1155						26	#4	10"	9'-5"	251	48	1749	26	208	10	329	11	361	8'-4"	226	50.1	7571	24	
25	18'-6"	9'-4"	2'-1"	7'-0"	2'-3"	1'-6"	0.99	11'-3"	307	11'-2"	419	22'-3"	1137	19'-9"	1371	13'-7"	1155						26	#4	10"	9'-9"	261	50	1835	27	216	10	329	11	361	8'-4"	226	52.1	7896	25	
26	19'-3"	9'-7"	2'-2"	7'-5"	2'-3"	1'-9"	1.03	11'-3"	307	11'-2"	419	22'-3"	1137	19'-9"	1371	13'-7"	1155						26	#4	10"	10'-1"	271	52	1921	28	224	11	361	12	394	8'-4"	226	54.1	8221	26	
27	20'-0"	10'-0"	2'-3"	7'-8"	2'-3"	1'-9"	1.05	11'-3"	307	11'-2"	419	22'-3"	1137	19'-9"	1371	13'-7"	1155						26	#4	10"	10'-5"	281	54	2007	29	232	11	361	12	394	8'-4"	226	56.1	8546	27	
28	20'-6"	10'-4"	2'-4"	7'-9"	2'-3"	1'-9"	1.09	11'-3"	307	11'-2"	419	22'-3"	1137	19'-9"	1371	13'-7"	1155						26	#4	10"	10'-9"	291	56	2093	30	240	11	361	13	427	8'-4"	226	58.1	8871	28	
29	21'-3"	10'-7"	2'-5"	8'-2"	2'-3"	1'-9"	1.12	11'-3"	307	11'-2"	419	22'-3"	1137	19'-9"	1371	13'-7"	1155						26	#4	10"	11'-2"	301	58	2179	31	248	11	361	13	427	8'-4"	226	60.1	9196	29	
30	22'-0"	11'-0"	2'-6"	8'-5"	2'-6"	1'-9"	1.16	11'-3"	307	11'-2"	419	22'-3"	1137	19'-9"	1371	13'-7"	1155						26	#4	10"	11'-6"	311	60	2265	32	256	12	394	13	427	8'-4"	226	62.1	9521	30	

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



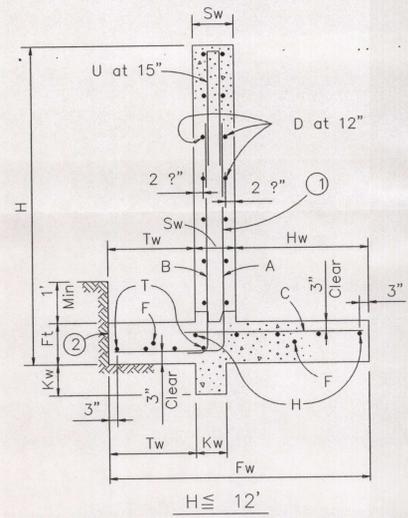
- Place vertical bars inside of horizontal bars (Typ both faces)
- Place footing toe against undisturbed soil

GENERAL NOTES:
 All concrete to be Class "C".
 All reinforcing steel to be Grade 60.
 For notes and details not shown on this sheet see sheet RW2.
 Quantities are based on "H" being average height of panel.
 Retaining Walls are designed to be coded as follows on Retaining Wall Layout Sheets.

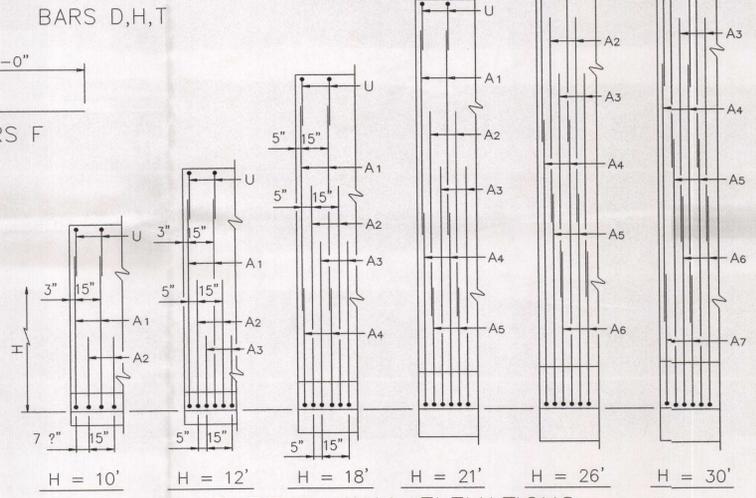
Panel Length ~ 32' is standard; 28' requires special quantities
 Average Height "H" of panel
 Design - A = no surcharge or slope above wall
 B = slopes up to 4:1
 C = traffic surcharge and/or slopes up to 2.5:1
 Footing pressure design ~ L = low, H = high

LEVELS DISPLAYED

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
17181920	21222324	25262728	29303132	33343536	37383940	41424344	45464748	49505152	53545556	57585960	61626364	65666768	69707172	73747576	77787980	81828384	85868788	89909192	93949596	979899100	101102103104	105106107108	109110111112	113114115116	117118119120	121122123124	125126127128	129130131132	133134135136	137138139140	141142143144	145146147148	149150151152



SECTIONS



PARTIAL WALL ELEVATIONS (Showing vertical reinforcing pattern in back face)

Texas Department of Transportation
 Bridge Division

RETAINING WALLS

RW 1(L)B

FILE: rwtde06.dgn	DN: TxDOT	CK: TxDOT	DW: GHO	CK: MPM
©TxDOT April 2002	DISTRICT	FEDERAL AID PROJECT		SHEET
REVISIONS				
5-06 : Quantities	COUNTY	CONTROL	SECT	JOB HIGHWAY

BRANCH OFFICE
 P.O. BOX 391
 McQUEENEY, TEXAS 78123

MAIN OFFICE
 P.O. BOX 970
 SPRING BRANCH, TEXAS 78070
 PHONE # (830) 228-5446
 FAX # (830) 885-2170

M & S
 ENGINEERING, L.T.D.
 ENGINEERS, PLANNERS, AND SURVEYORS



HWY 281 BUSINESS PARK
 LUKE WILBURN TRACT
 GENERAL RETAINING WALL DETAILS

DESIGNED BY: DWK
 CHECKED BY: KCS
 DRAWN BY: ELL
 JOB: 7LWLB001
 DATE: JAN 18, 2008
 SCALE: NOT TO SCALE

JAN 22 2008
 SAN ANTONIO

Inspection, Maintenance, Repair and Retrofit Plan

ATTACHMENT N
Inspection, Maintenance, Repair and Retrofit Plan

Maintenance Schedule:

- BMP facilities will be inspected at least twice a year (once during or immediately following wet weather) to evaluate facility operation. Additional inspections will be conducted as needed.
- Grass areas in and around sand filter will be mowed at least twice annually to limit vegetation height to 18 inches.
- Sediment will be cleared from the inlet structure at least every year and from the sedimentation basin at least every 5 years.

Documentation:

The property owners association will keep all inspection and maintenance records in their files for review at TCEQ request. The attached form will be used to document inspection, maintenance, repairs, and, if necessary, retrofits.

BMP Access:

Access to the sand filter by TCEQ or other designated inspectors will be granted via the paved parking areas adjacent to each pond.

Routine Inspections:

During each inspection, erosion areas inside and downstream of the BMP must be identified and repaired or revegetated immediately. With each inspection, any damage to the structural elements of the system (pipes, concrete drainage structures, retaining walls, etc.) must be identified and repaired immediately. Cracks, voids and undermining should be patched/filled to prevent additional structural damage. Trees and root systems should be removed to prevent growth in cracks and joints that can cause structural damage. Routine inspections will also include the following measures:

- *Sediment Removal.* Remove sediment from the inlet structure and sedimentation chamber when sediment buildup reaches a depth of 6 inches or when the proper functioning of inlet and outlet structures is impaired. Sediment should be cleared from the inlet structure at least every year and from the sedimentation basin at least every 5 years.
- *Media Replacement.* Maintenance of the filter media is necessary when the drawdown time exceeds 48 hours. When this occurs, the upper layer of sand should be removed and replaced with new material meeting the original specifications. Any discolored sand should also be removed and replaced. In filters that have been regularly maintained, this should be limited to the top 2 to 3 inches.
- *Debris and Litter Removal.* Debris and litter will accumulate near the sedimentation basin outlet device and should be removed during regular mowing operations and inspections. Particular attention should be paid to floating debris that can eventually clog the control device or riser.
- *Filter Underdrain.* Clean underdrain piping network to remove any sediment buildup as needed to maintain design drawdown time.
- *Mowing.* Grass areas in and around sand filters must be mowed at least twice annually to limit vegetation height to 18 inches. More frequent mowing to maintain aesthetic

appeal may be necessary in landscaped areas. Vegetation on the pond embankments should be mowed as appropriate to prevent the establishment of woody vegetation.

Basin Dewatering:

In the case that standing water remains in the sand filter more than 48 hours after the rain event ends the water can be pumped into the adjacent detention pond. However, the discharge of sediment laden water is not allowed at any time. Standing water remaining in the filter long after the rain event ends may indicate a failure system and the need for further maintenance.

Sediment Disposal:

Stormwater pollutants include a variety of substances that are deposited on pervious and impervious surfaces and then transported by the next rainfall. In addition, there may be connections to the stormwater system that should go to the sanitary sewer system in older urbanized areas. Consequently, a variety of contaminants that may be classified as hazardous or toxic may enter stormwater management systems. These contaminants include heavy metals, petroleum hydrocarbons, pesticides, and a variety of organic chemicals. Consequently, several federal and state laws and regulations may apply to the disposal of sediments which accumulate in stormwater systems or which are captured by street sweepers (Livingston et al., 1997).

Maintenance of BMPs frequently requires disposal of accumulated sediment and other material. These materials are normally classified as special wastes when disposed of in municipal landfills.

A Type 1 Municipal Solid Waste (MSW) landfill can accept household waste—anything else is a special waste as defined in 30 TAC 330.2 (137). Special waste is a waste that requires special handling at a Type I MSW landfill. Labeling a filter media or sediment as a special waste is not a waste characterization. The process to obtain authorization to dispose of a special waste begins with a request for approval called the “Request for Authorization for Disposal of Special Waste TCEQ Form 0152.” The request is completed by the generator and submitted to the MSW permits section of the TCEQ for Executive Director review/approval. The MSW permits section performs the review described in 30 TAC 330.136 (reviews the request and either approves, disapproves, or requires additional information).

Responsibility of Maintenance

I Luke Willburn
Print Name

Pres
Title - Owner/President/Other

of Timberline Properties, Inc
Corporation/Partnership/Entity Name

Agree to assume the responsibility of maintaining the permanent BMPs constructed as part of the Spring Branch HWY 281 Business Park in accordance with the rules and regulations of the Texas Commission on Environmental Quality (TCEQ).

I also understand that:

1. I am responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.
2. A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

[Signature]
Applicant's Signature

12-7-7
Date

Contact Person: Luke Willburn
 Entity: ~~Keller Williams~~ Timberline Properties, Inc.
 Mailing Address: ~~10009 IH 10 West, Suite #78~~ 7200 Hwy 281 N #6
 City, State: ~~San Antonio, TX~~ Spring Branch TX Zip: ~~78230~~ 78070
 Telephone: ~~(210) 696-9996~~ FAX: ~~(830) 885-5956~~
(830) 885-5656 830 885-5556

Detention Pond/BMP Records

Inspection Date: _____
Type of Inspection: _____
Comments: _____

Signature: _____ (Inspector)

Maintenance Date: _____
Work Performed: _____
Comments: _____

Signature: _____ (Maintenance Personnel)

Other Date: _____
Comments: _____

Signature: _____ (Title:)

Pilot-Scale Field Testing Plan

Attachment O

Pilot-Scaled Field Testing Plan

NOT APPLICABLE

Measures for Minimizing Surface Stream Contamination

Attachment P
Measures for Minimizing Surface Stream Contamination

Final design calls for all surface runoff to be routed through detention pond prior to discharging from the site. There are no existing surface streams on this property.

Storm Water Pollution Prevention Plan

In This Section

T.P.D.E.S. Storm Water Pollution Prevention Plan – Note

Phase I TPDES Checklist

Table of Contents

General Information

Attachment A

Vicinity Map
Storm Water Pollution Prevention Plan

Attachment B

Erosion and Sedimentation Control Details

Attachment C

Permit Forms

Attachment D

Pre-Construction Forms

Attachment E

Construction Forms

Attachment F

Post-Construction Forms

Attachment G

Endangered Species Verification

Attachment H

National Register of Historic Places for Comal County

Attachment I

Permit Requirements
(TPDES General Permit – March 5, 2003)

**T.P.D.E.S. STORM WATER
POLLUTION PREVENTION PLAN
TO ACCOMPANY
LUKE WILBURN BUSINESS PARK**

**Luke Wilburn Business Park
Hwy 281 & Jumbo Evans Rd.
Comal County, Texas**

NOTE:

The information included within this report in no way relieves the permittee from compliance with all regulations of the TPDES General Permit TXR 150000. The complete regulations are available in the March 5, 2003 TPDES General Permit as well as within Attachment "F" of this report.

The General Contractor shall retain this Pollution Prevention Plan, inspection and maintenance reports, plan modifications, and other related documentation on-site for representatives of the EPA, TCEQ, The State of Texas, or the County of Comal to inspect upon request. Copies of this Storm Water Pollution Prevention Plan and all other reports required by the TPDES Permit, as well as all of the data used to complete the NOI (Notice of Intent), shall be retained for a period of three (3) years beginning after completion of final site stabilization by the General Contractor.

September, 2007

M & S Engineering, Ltd.
P. O. Box 970
Spring Branch, Texas 78070
Tel 830/228-5446
Fax 830-438-2167

PHASE I
(= or > 5 ACRES)
TPDES CHECKLIST

Date
Completed

Consultant shall deliver two binders of the SWPPP to the Construction Project Leader (CPL)

UPON INITIAL RECEIPT OF SWPPP, THE CPL SHALL:

- Sign the NOI form (see Attachment C)
- Send via certified mail the executed NOI to the TCEQ, with a cover letter, to the MS4 (see Attachment C)
- Send via certified mail a \$100 check to the TCEQ (see Attachment C for address and form)
- Insert copies of the signed forms into the 2 binders and forward the FIELD binder to the GC

PRIOR TO CONSTRUCTION START, THE GC SHALL:

- Post the NOI and Posting Notice on site visible to public (See Attachment C)
- Conduct a precon with the subs and review the Responsible Party form, obtain signatures from the Responsible Parties and forward a copy of these completed forms to the CPL (see Attachment D)
- Provide the Responsible Party Certification to the CPL prior to mobilization
- Make sure the controls are in place prior to allowing the construction to proceed

DURING CONSTRUCTION, THE GC SHALL:

- Conduct additional Responsible Party meetings as new contractors are introduced to the site
- Conduct inspections of the controls every 14 days or within 24 hours of a ½" rain or greater, complete the report and perform any corrective actions within 48 hours
- Submit inspection records monthly to the CPL with pay requests – a minimum of 2 inspections should occur during a month and until grass is established, inspections and management of the controls will need to continue (see Attachment E). Inspection reports shall be signed by GC's superintendent and owner.
- If disturbed areas will be left untouched for more than 21 days, temporary stabilization is required to be installed by the 14th day.

UPON CONSTRUCTION COMPLETION:

- Once grass is established to within 70%, CPL shall sign the NOT form and send via certified mail to the TCEQ (see attachment F)
- The GC will provide the FIELD binder with the original inspection reports to the CPL as part of Close Out

TABLE OF CONTENTS

General Information.....	1
Site Description.....	1-2
Description of Existing Conditions	
Description of Activities	
Sequence of Major Activities	
Total Site Area/Total Disturbed Area	
Runoff Coefficient Calculation	
Existing Soils Data	
Name of Receiving Water	
Controls.....	2-5
General	
Permanent Stabilization Practices	
Table 1: Seeding/Hydromulch Requirements	
Temporary Stabilization Practices	
Temporary Structural Practices	
Storm Water Management	
Other Controls	
Hazardous Waste Practices	
Inspections.....	5-6
Maintenance.....	6-7
Non-Storm Water Discharges.....	7-8
Letters of Certification.....	9-10

<u>Attachments:</u>	<u>Section</u>
Vicinity Map, Storm Water Pollution Prevention Plan	A
Erosion and Sedimentation Control Details.....	B
Permit Form (NOI, MS4 Draft Letter).....	C
Pre-Construction Forms (Responsible Party Form, RPF Certificates, Posting Notice)....	D
Construction Forms (Inspection and Maintenance Forms).....	E
Post-Construction Forms.....	F
Endangered Species Verification.....	G
National Register of Historic Places, for Comal County, TX.....	H
Permit Requirements (TPDES General Permit – March 2, 2003).....	I

GENERAL INFORMATION

Project Name and Location: Luke Wilburn Business Park
Hwy 281 & Jumbo Evans Rd.
Latitude: 29°53'59.58" N
Longitude: 98°24'40.29" W

Owner Name and Address: Luke Wilburn
Timberline Properties, Inc.
7200 Hwy 281 N. Suite 6
Spring Branch, Texas 78070

SITE DESCRIPTION

Description of Existing Conditions

This project site is located in Comal County, TX and is not located within any city's limits or ETJ. Refer to vicinity map located in Attachment A.

Description of Activities

The scope of this project is the construction and development of commercial buildings and an asphalt access road.

Sequence of Major Activities

The sequence of work described below will be accomplished through the timing of proposed work relating the maintenance of service (i.e. proposed utility installation as compared to the removal/abandonment of existing utilities). Below is a general sequence of events to be followed throughout each phase. There may be an event, which is not applicable to the proposed work as described on the relevant construction documents for a particular phase and as such should be disregarded:

1. Install erosion and sedimentation controls (i.e. Silt Fences and Stabilized Construction Entrances) as indicated on the approved construction plans
2. Begin site clearing
3. Construct site utilities
4. Construct detention areas and roadways
5. Install Landscaping or hydromulch to disturbed areas
6. Re-vegetate disturbed areas
7. Receive operating permit and city clearance for occupancy
8. Remove temporary erosion and sedimentation controls

Total Site Area/Total Disturbed Area

The total project area is approximately 23.8 acres. Excavation, grading or other activities throughout the construction process will disturb at least 5 acres.

Runoff Coefficient Calculation

The weighted runoff coefficient "C" for Basin 1 before construction is estimated to be 0.30. The runoff coefficient for the completed project for Basin 1 is determined to be 0.70. The runoff coefficient for Basin 2 before construction is estimated to be 0.30. The runoff coefficient for the completed project for Basin 1 is determined to be 0.68.

Existing Soils Data

The information presented below is derived from the United States Department of Agriculture – Soil Conservation Service.

CrD (Confort)

STRATUM	DEPTH (IN) ¹	SOIL DESCRIPTION
I	0 – 6	Extremely stony clay (CH, GC, SC, CL)
II	6-13	Stony clay, very stony clay, extremely stony clay(CJ, GC, SC)
III	13-20	Unweathered bedrock

¹Approximate depth below ground surface.

KrB (Krum)

STRATUM	DEPTH (IN) ¹	SOIL DESCRIPTION
I	0 – 16	Clay (CH, CL)
II	16-66	Silty clay, Clay(CH)
III	66-80	Silty clay loam, Silty clay, Clay

¹Approximate depth below ground surface.

Name of Receiving Water

The direct runoff from the site drains into Cypress Creek.

CONTROLS

General

Sediment will be retained on site to the maximum extent practicable. Control measures will be properly selected, installed, and maintained in accordance with manufacturer's specifications and good engineering practice. If controls are damaged or rendered

ineffective, the erosion and sediment controls will be repaired or replaced immediately. When dewatering (pumping) the site, the sediment-laden discharge will be detained for a sufficient time to allow the majority of the sediment to settle out. Direct discharge into a storm sewer will not be allowed.

Permanent Stabilization Practices

Disturbed pervious portions of the site where construction activity permanently ceases will be stabilized with vegetation as noted within the project construction documents or by means of broadcast or hydraulic seeding¹ for areas not covered by the project construction documents no later than 14 days after the last disturbance. A minimum of four (4) inches of topsoil will be placed within these disturbed pervious portion, and between the curb and Right-of-Way Line.

Table 1: Seeding/Hydromulching Requirements

<u>Description</u>	Broadcast Seeding		Hydraulic Seeding	
	March 2 to Sept. 14	Sept. 15 to March 1	March 2 to Sept. 14	Sept. 15 to March 1
Seeds	2 lbs per 1000 sf of Hulled Bermuda	2 lbs per 1000 sf of Unhulled Bermuda & 7 lbs per 1000 sf of Winter Rye	7 lbs per 1000 sf of Hulled Bermuda	1 lbs per 1000 sf Unhulled Bermuda & 7 lbs per 1000 sf of Winter Rye
Purity	95%	95%	95%	95%
Germination	85%	90%	85%	90%
Fertilizer	Pelleted or Granular Slow Release: analysis of 15-15-15 rate of 1 lb per 1000 sf		Water Soluble Fertilizer: analysis of 15-15-15 rate of 1 to 1.5 lbs per 1000 sf	
Mulch Type	Hay straw, or mulch applied at a rate of 45 lbs per 1000 sf with a Soil Tackifier at a rate of 1.4 lbs per 1000 sf			

Temporary Stabilization Practices

Exposed soils will have textures soil surfaces to reduce sheet flow and improve surface water impoundment. Existing trees and vegetation will be left in any areas which are not to be regarded to the maximum extent possible¹

Temporary Structural Practices

Silt fencing, temporary sediment basin, triangular sediment filter dikes, inlet protection devices, and stabilized construction entrances will be incorporated as a temporary erosion control devices and will be removed after permanent stabilization is established.

¹ See Table 1: "Seeding/Hydromulch Requirements"

Silt fencing shall be incorporated throughout the construction process. The placement of the silt fencing shall be perpendicular to runoff flow. Refer to project construction documents for quantity, timing of placement and actual locations of these erosion control devices. In areas where silt fencing is to be situated but is non-installable, triangular filter dikes shall be incorporated.

The EPA General Permit requires that, where it is attainable, a temporary or permanent sediment basin be installed in any drainage location where more than 10 acres in the upstream drainage area are disturbed at one time. Based on the phasing of construction it is anticipated that this requirement will not be met. But if more than 10 acres are disturbed, a sediment basin shall be installed. The sediment basin must provide at least 3,600 cubic feet of storage for every acre of land, which it drains (flows from upland areas that are undisturbed may be diverted around the basin). For drainage locations with 10 or fewer disturbed acres, sediment traps, filter fences, or equivalent measures must be installed along the downhill boundary of the construction site.

Stabilized construction entrances will be employed during the construction of this site to help minimize vehicle tracking of sediments. Paved streets adjacent to these site entrances shall be cleaned regularly to remove any excess mud, dirt or rock tracked from the site. Refer to the project construction documents for actual locations of these erosion control devices. Staging areas will be utilized in locations as decided by the project general contractor and validated by the civil engineer. If the contractor determines the need for additional stabilized construction entrances, construction staging areas or pits, their locations shall be agreed upon by the contractor and the engineer.

Storm Water Management

Currently the development area drains off-site towards Cypress Creek. In order to mitigate increases in discharges and protect future downstream developments, a detention pond will be constructed west of the development. This pond will control the increase of stormwater due to development. A storm sewer will direct water that flows to the southern corner of the property into the detention pond.

Neither this site, nor the surrounding parcels of land, are listed on the National Register of Historic Places and therefore adverse effects from storm water discharges or related activities will be non-existent.

Other Controls

All waste materials will be collected and disposed of in accordance with applicable local and state solid waste management regulations. All personnel shall be instructed regarding the correct procedure for waste disposal.

Sanitary waste shall be regularly collected from portable units by a licensed sanitary waste management contractor.

Hazardous Waste Practices

No hazardous waste is expected to be generated or encountered in this project. In the event that hazardous wastes are encountered, they will be disposed of in the manner specified by local or state regulations. Spills of hazardous waste in amounts that equal or exceed Reportable Quantity (RQ), as defined by the EPA through issued regulations (40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302), will be handled in the following steps:

1. Notify the National Response Center immediately at 1-800-424-8802.
2. Submit a written description of the release to the EPA Region 6 office providing the date and circumstances of the release and the steps to be taken to prevent another release:
Attn: Hazardous Waste Dept.
1445 Roos Ave. STE 1200
Dallas, TX 75202
1-214-665-2224 (Region 6 Emergency Line)
3. Modify this Storm water Pollution Prevention Plan to include the information dealing with, and the steps needed to correct, the encountered hazardous waste spill.

The following practices will be used to reduce the risks associated with hazardous materials, if hazardous materials are needed for the work:

1. Products will be kept in original containers unless they are not resealable.
2. Original labels and material safety data will be retained.
3. If surplus product must be disposed of, manufacturers' or local and state recommended methods for proper disposal will be followed.

INSPECTIONS

Each container will designate a qualified person (or persons) to perform the following inspections:

1. Disturbed areas and areas used for storage of materials that are exposed to precipitation will be inspected for evidence of, or the potential for, pollutants entering the drainage system.
2. Erosion and sediment control measures identified in the plan will be observed to ensure that they are operating correctly.

² product specific practices, and spill specific practices have been included within this report as Attachment I

3. Where discharge locations are points are accessible, they will be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.
4. Locations where vehicles enter or exit the site will be inspected for evidence of off-site sediment tracking.
5. Permanent seeding and planting will be inspected for bare spots, washouts and unhealthy growth.

The inspection shall be conducted by the responsible person at least once every fourteen (14) calendar days and within 24 hours after a storm providing $\frac{1}{2}$ inches of rainfall or greater. If one or more of the following conditions apply, the frequency of inspections shall be conducted at least once every month:

1. The site has been either finally or temporarily stabilized.
2. Where runoff is unlikely due to winter conditions (i.e. site is covered with snow, ice, or where frozen ground exists).
3. During seasonal arid periods in arid areas (areas with an average annual rainfall of 0 to 10 inches) and semi-arid areas (areas with an average annual rainfall of 10 to 20 inches).

The information required within an inspection and maintenance report is as follows:

1. summary of the scope of the inspection
2. name(s) and qualification of personnel making the inspection
3. the date(s) of the inspection
4. Major observations relating to the implementation of the storm water pollution prevention plan
5. changes required to correct damages or deficiencies in the control measures

In addition to the required routine inspections, the following record of information will also be maintained:

1. The dates when major grading activities occur.
2. The dates when construction activities temporarily or permanently cease on a portion of the site.
3. The dates when stabilization measures are initiated.

Inspection and maintenance reports as well as all records required by this storm water pollution prevention plan shall become part of the storm water pollution plan. Copies of example forms to be used for the inspection and maintenance reports as well as related records are included as Attachment E.

MAINTENANCE

Based on the results of the inspection, any changes required to correct damages or deficiencies in the control measures shall be made within seven (7) calendar days after the inspection. If existing stabilization/erosion controls need modification or additional stabilization/erosion controls are necessary, implementation shall be achieved prior to the next anticipated storm event. If, however, the execution of this requirement becomes impractical, then the implementation will occur as soon as possible, with the incident duly noted with an explanation of the impracticality, in the inspection report.

Sediment accumulation at each control will be removed and properly disposed when the depth of accumulation equals or exceeds six (6) inches. If sediment accumulation is found to be contaminated, its disposal shall be off-site in a manner, which conforms to the appropriate applicable regulations.

NON-STORM WATER DISCHARGES

The materials listed below are anticipated to be present on-site during construction:

1. Concrete
2. Tar
3. Fertilizers
4. Petroleum based products
5. Wood
6. Masonry
7. Fuel
8. Lubricants

Material management practices will be utilized to reduce the risk of spills, or other accidental exposure of the materials listed above to storm water runoff, including the following:

1. An effort shall be made to store only enough products required to complete the work as so defined in the approved construction documents.
2. All materials stored on-site shall be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
3. Products should be kept in their original containers with the original manufacturer's label.

4. Manufacturer's recommendations for proper use and disposal shall be followed.
5. Substances shall not be mixed with one another unless recommended by the manufacturer.
6. Whenever possible, all of a product shall be used before disposing of its respective container.
7. The site superintendent should inspect daily to ensure proper use and disposal of on-site materials.

These practices will be used to reduce the risks associated with hazardous materials, if hazardous materials are used.

1. Products will be kept in original containers unless they are not resealable.
2. Original labels and material safety data information will be retained.
3. If surplus product must be disposed of, manufacturers' or local and state recommended methods for proper disposal will be followed.

Luke Wilburn
Timberline Properties, Inc.
7200 Hwy 281 N. Suite 6
Spring Branch, Texas 78070

Owner/Developer Certification

“I certify under penalty of law that I understand the terms and conditions of the general Texas Pollutant Discharge Elimination System (TPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.”

Firm

Printed Name

Title

Signature

Date

Luke Wilburn
Timberline Properties, Inc.
7200 Hwy 281 N. Suite 6
Spring Branch, Texas 78070

Contractor/Subcontractor Certification

“I certify under penalty of law that I understand the terms and conditions of the general Texas Pollutant Discharge Elimination System (TPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.”

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: General Contractor
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: _____
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: _____
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: _____
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: _____
Date: _____

Company: _____
Name: _____
Signed: _____

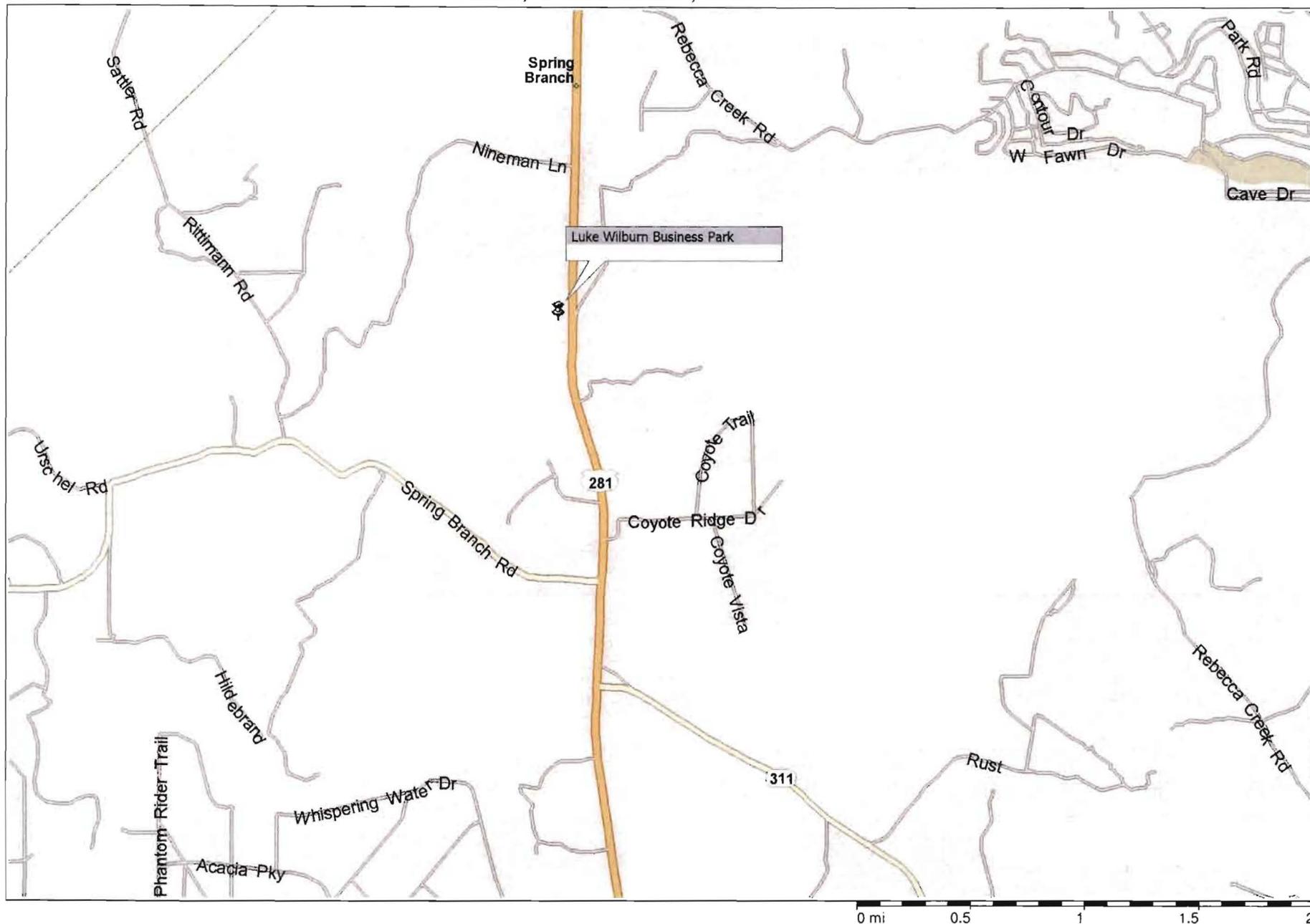
Phone: _____
Responsible for: _____
Date: _____

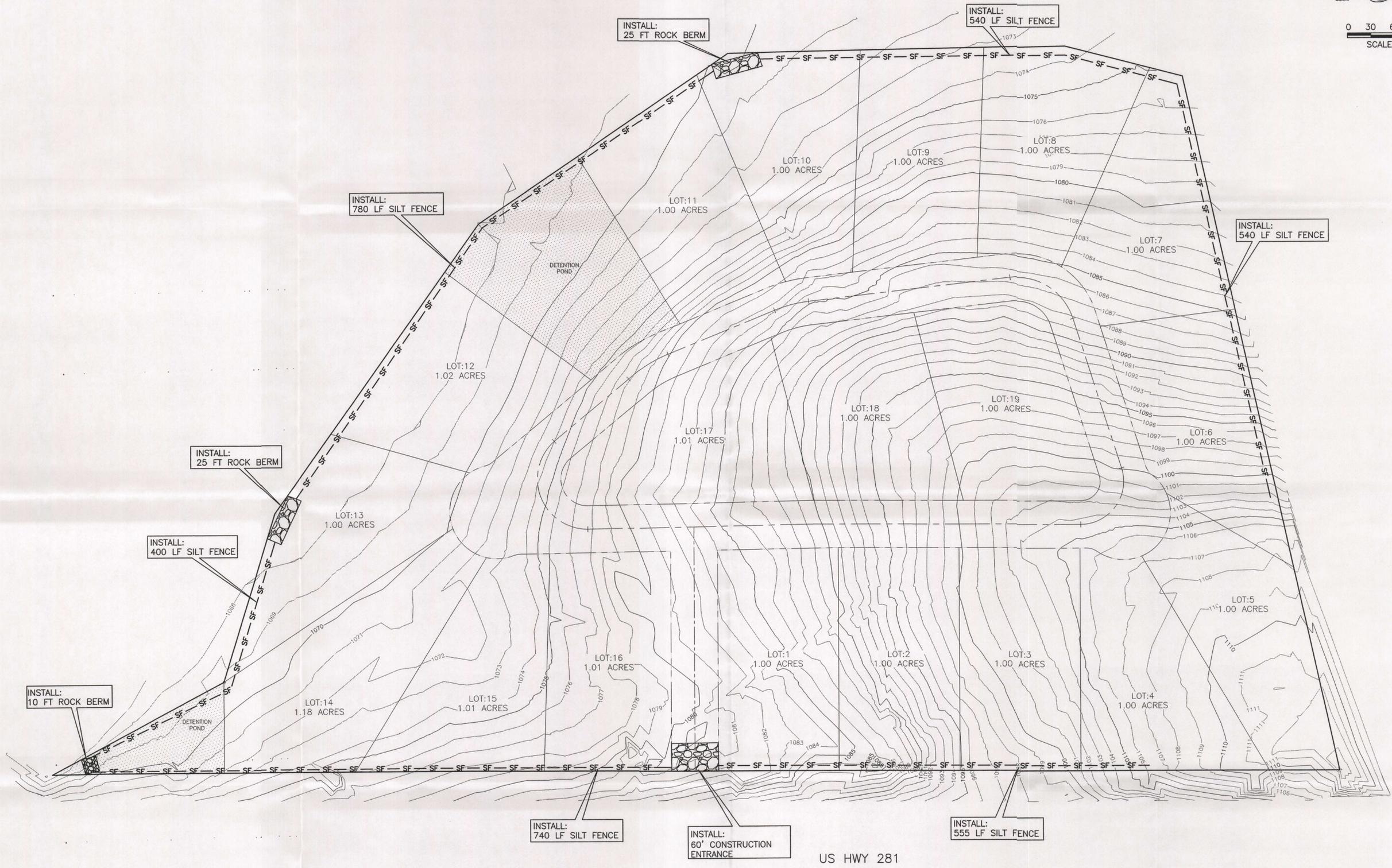
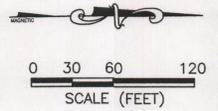
ATTACHMENT A

VICINITY MAP

STORM WATER POLLUTION PREVENTION PLAN

Texas, United States, North America





REVISIONS

M & S
ENGINEERING, LTD.
 ENGINEERS, PLANNERS, AND SURVEYORS

BRANCH OFFICE
 P.O. BOX 391
 McQUEENEY, TEXAS 78123
 78123

MAIN OFFICE
 P.O. BOX 970
 SPRING BRANCH, TEXAS 78070
 PHONE # (830) 228-5446
 FAX # (830) 885-2170



HWY 281 BUSINESS PARK
LUKE WILBURN TRACT
 STORM WATER POLLUTION
 PREVENTION PLAN

DESIGNED BY: DWK
 CHECKED BY: KCS
 DRAWN BY: BIL
 JOB: 7LWILB001
 DATE: JAN 15, 2007
 SCALE: 1" = 60'

TITLE
JAN 22 2008
SAN ANTONIO

SHEET:
 1 OF 1

LEGEND

-----	MAJOR (10') CONTOUR LINES
-----	MINOR (2') CONTOUR LINES
-----	PROPOSED LOT LINES
-----	PROPOSED CENTER LINE
-----	PROPOSED RIGHT OF WAY
- SF - SF - SF - SF -	PROPOSED SILT FENCE
-----	PROPERTY BOUNDARY
	PROPOSED ROCK BERM

Date: Jan 16, 2008, 4:05pm, User: fb, Project: File: S:\Vector Projects\7LWILB001 Luke Wilburn Tract\DWG\7LWILB001-SWPP001.dwg

ATTACHMENT B

EROSION AND SEDIMENTATION CONTROL DETAILS

**TREE PROTECTION CONTRUCTION FENCE DETAIL
(EXHIBIT B0)**

**ROCK BERM DETAIL
(EXHIBIT B1)**

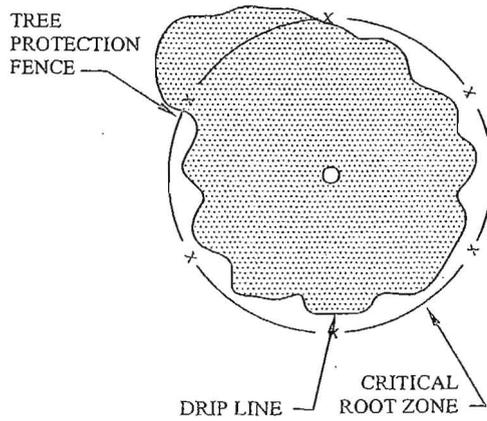
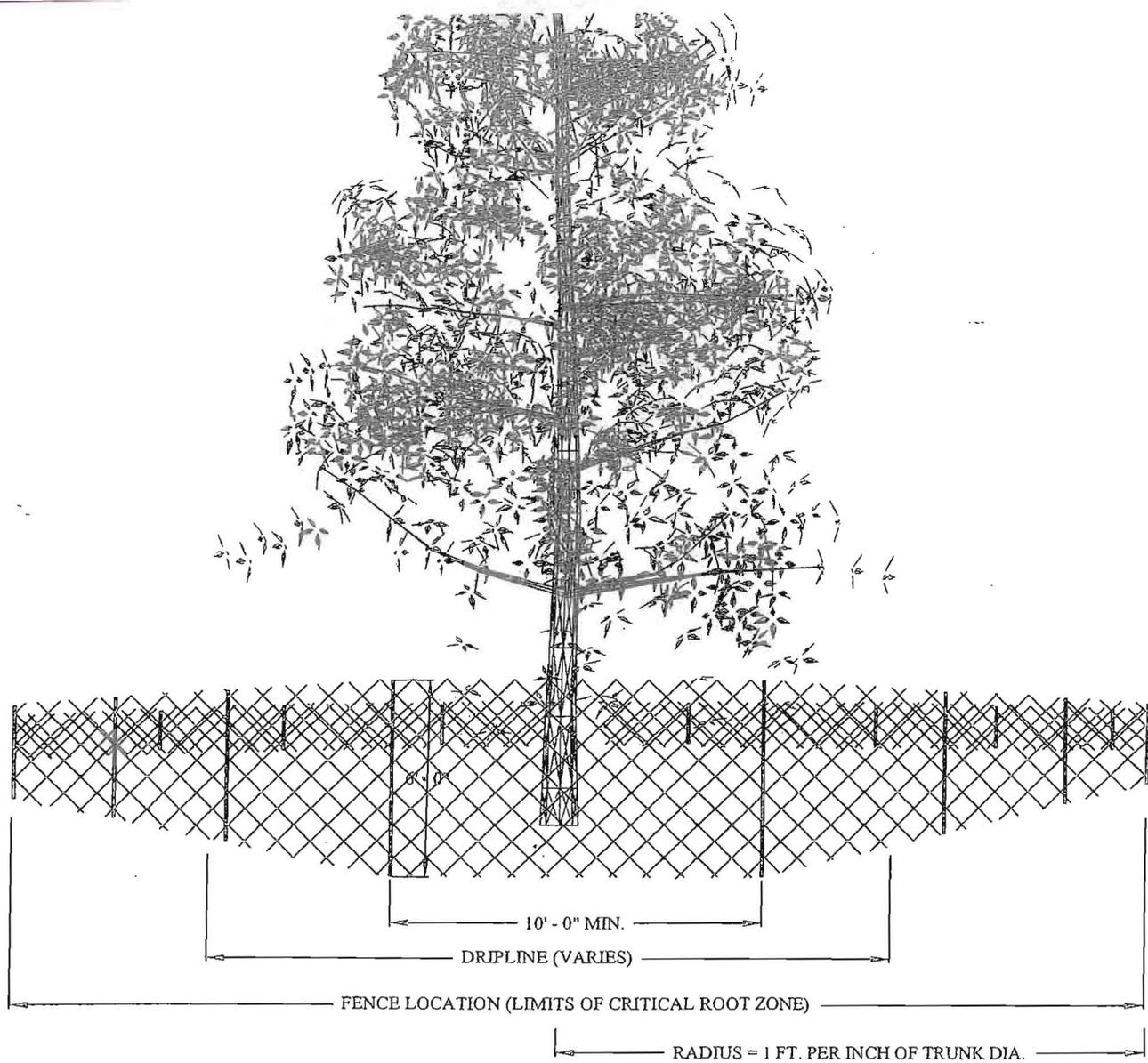
**SILT FENCE DETAIL
(EXHIBIT B2)**

**STABILIZED CONSTRUCTION ENTRANCE DETAIL
(EXHIBIT B3)**

**GRATE INLET PROTECTION BARRIER DETAIL
(EXHIBIT B4)**

**TRIANGULAR FILTER DIKE DETAIL
(EXHIBIT B5)**

**CONSTRUCTION SEQUENCE & NPDES REQUIREMENT NOTES
(EXHIBIT B6)**



PLAN VIEW
20" DIAMETER TREE
(EXAMPLE)

TREE PROTECTION CONSTRUCTION FENCE

EXHIBIT B0

E - NTS
DATE - APRIL 2005
DRAWN - PJM
SHEET - 1 of 1

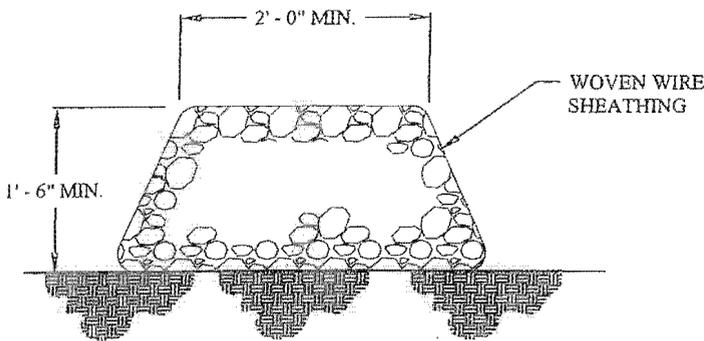
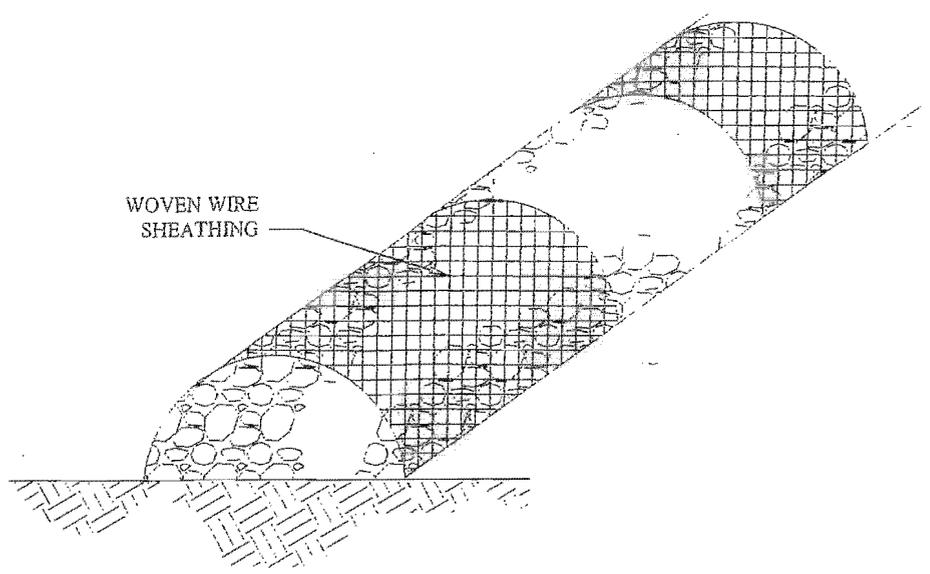
T.P.D.E.S. STORM WATER
POLLUTION PREVENTION PLAN

MAIN OFFICE
P.O. BOX 970
SPRING BRANCH, TEXAS 78070
PHONE * (830) 228-5446
FAX * (830) 895-2170



BRANCH OFFICE
P.O. BOX 391
MCQUEENEY, TEXAS 78123
PHONE * (830) 560-3200
FAX * (830) 560-3203

ENGINEERING, LTD.
ENGINEERS AND PLANNERS



NOTES:

1. USE ONLY OPEN GRADED ROCK 4-8 INCH DIAMETER FOR STREAM FLOW CONDITIONS; USE OPEN GRADED ROCK 3-5 INCHES DIAMETER FOR OTHER CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 1 INCH OPENINGS AND MINIMUM WIRE DIAMETER OF 20 GAUGE.
3. THE ROCK BERM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE - WOVEN WIRE SHEATHING, SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CREATE A SILTATION PROBLEM.
5. DAILY INSPECTION SHALL BE MADE ON SEVERE SERVICE ROCK BERMS; SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 6 INCHES.
6. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

ROCK BERM

EXHIBIT B1

E - NTS
 DATE - APRIL 2005
 DRAWN - PJM
 SHEET - 1 of 1

T.P.D.E.S. STORM WATER
 POLLUTION PREVENTION PLAN

MAIN OFFICE
 P.O. BOX 970
 SPRING BRANCH, TEXAS 78079
 PHONE * (830) 228-5446
 FAX * (830) 885-2170

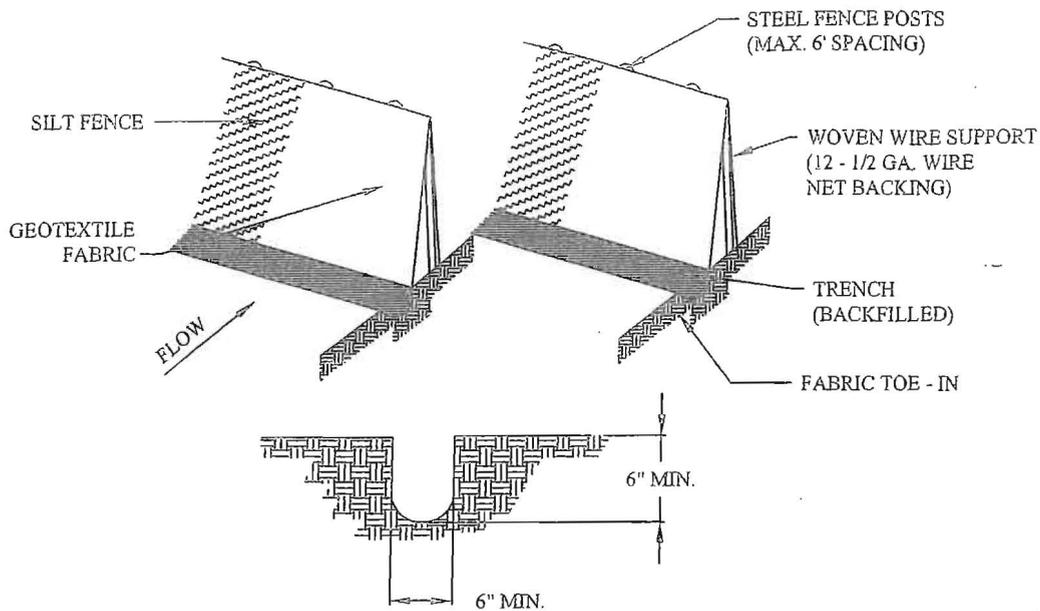
M & S



ENGINEERING, LTD.
 ENGINEERS AND PLANNERS

BRANCH OFFICE

P.O. BOX 391
 McQUEENEY, TEXAS 78123
 PHONE * (830) 560-3200
 FAX * (830) 560-3203



TRENCH CROSS-SECTION

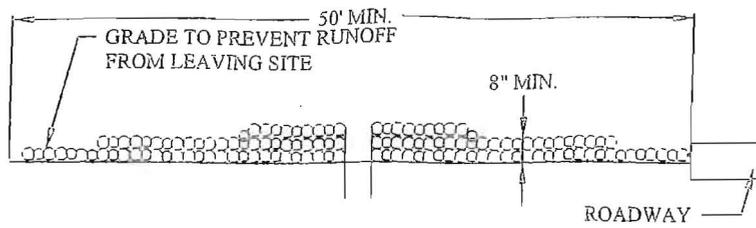
NOTES:

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CAN NOT BE TREATED IN (e.g. pavement) WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POSTS OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES. THE SILT SHALL BE DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

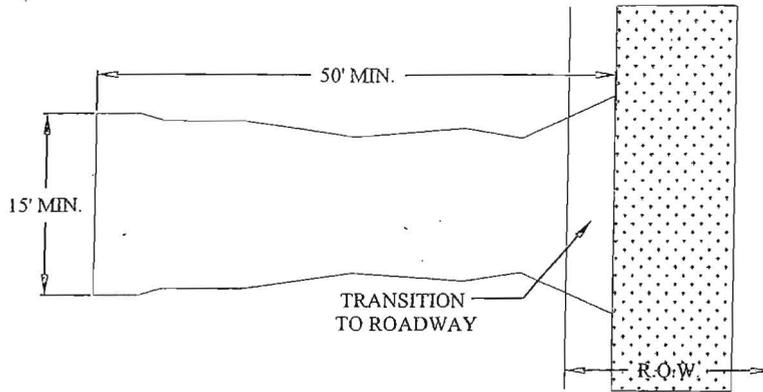
SILT FENCE

EXHIBIT B2

E - NTS DATE - APRIL 2005	T.P.D.E.S. STORM WATER POLLUTION PREVENTION PLAN	MAIN OFFICE P.O. BOX 970 SPRING BRANCH, TEXAS 78070 PHONE * (830) 228-5446 FAX * (830) 885-2170	M & S  ENGINEERING, LTD. ENGINEERS AND PLANNERS	
DRAWN - PJM				BRANCH OFFICE P.O. BOX 391 McQUEENEY, TEXAS 78123 PHONE * (830) 560-3200 FAX * (830) 560-3203
SHEET - 1 of 1				



PROFILE
N.T.S.



PLAN VIEW
N.T.S.

NOTES:

1. STONE SIZE - 3 TO 5 INCH OPEN GRADED ROCK.
2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN 8 INCHES.
4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE - ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

STABILIZED CONSTRUCTION ENTRANCE

EXHIBIT B3

E - NTS
DATE - APRIL 2005
DRAWN - PJM
SHEET - 1 of 1

T.P.D.E.S. STORM WATER
POLLUTION PREVENTION PLAN

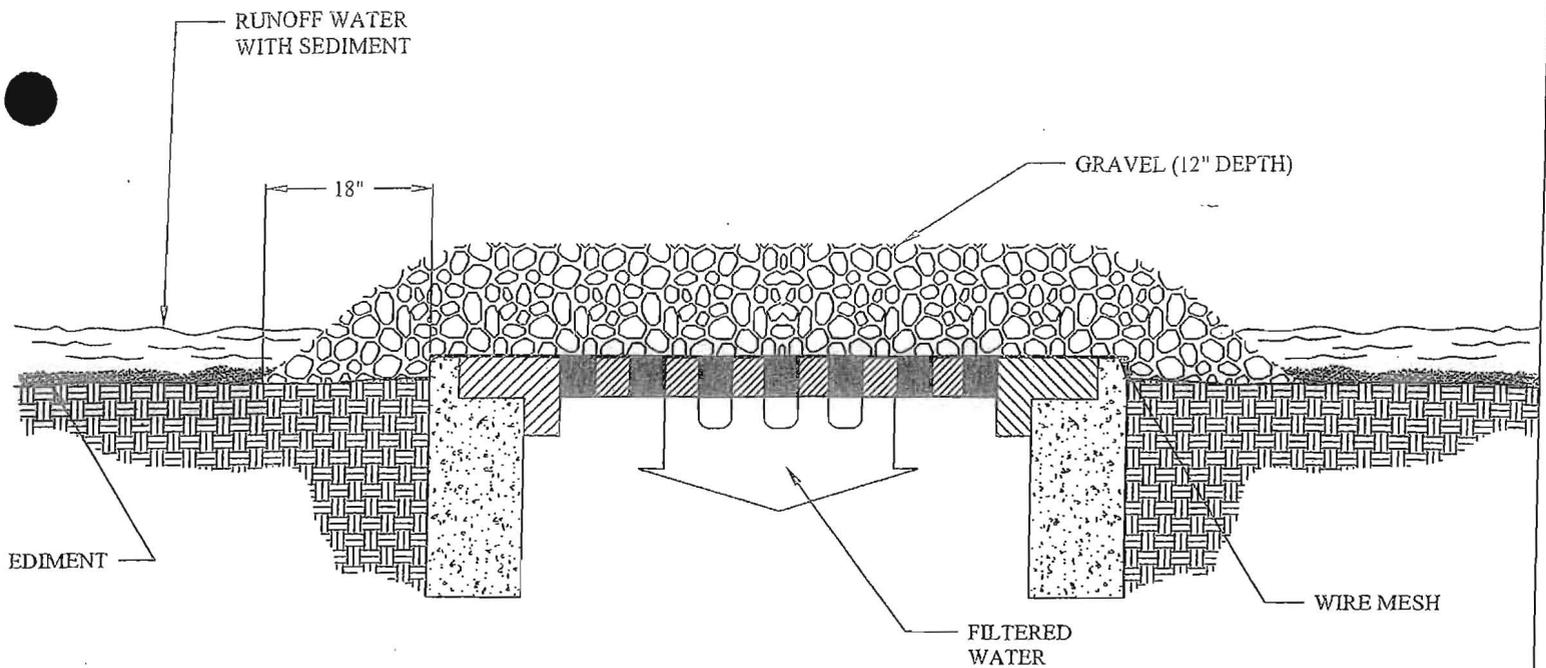
MAIN OFFICE
P.O. BOX 970
SPRING BRANCH, TEXAS 76070
PHONE * (830) 228-5446
FAX * (830) 585-2170

M & S



ENGINEERING, LTD.
ENGINEERS AND PLANNERS

BRANCH OFFICE
P.O. BOX 391
McQUEENEY, TEXAS 78123
PHONE * (830) 560-3200
FAX * (830) 560-3203



NOTES:

1. WIRE MESH SHALL BE LAID OVER THE DROP INLET SO THAT THE WIRE EXTENDS MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH $\frac{1}{2}$ " OPENINGS AND MINIMUM WIRE DIAMETER OF 24 GAUGE SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED.
2. AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS INDICATED ABOVE. THE DEPTH OF STONE SHALL BE AT LEAST 12" OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18" ON ALL SIDES.
3. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED, AND REPLACED.

GRATE INLET PROTECTION/BARRIER FILTER

EXHIBIT B4

E - NTS
 DATE - APRIL 2005
 DRAWN - PJM
 SHEET - 1 of 1

T.P.D.E.S. STORM WATER
 POLLUTION PREVENTION PLAN

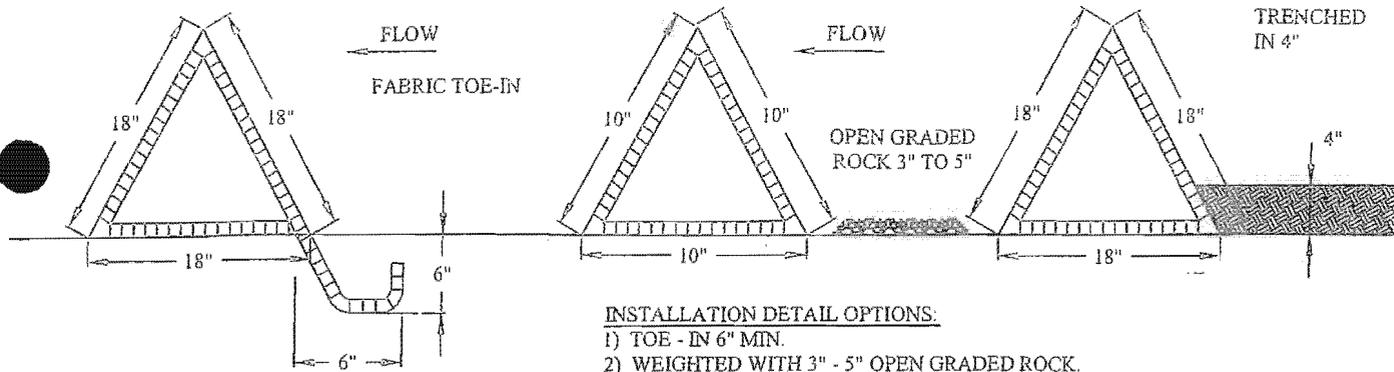
MAIN OFFICE
 P.O. BOX 970
 SPRING BRANCH, TEXAS 78070
 PHONE * (830) 228-5446
 FAX * (830) 885-2170

M & S

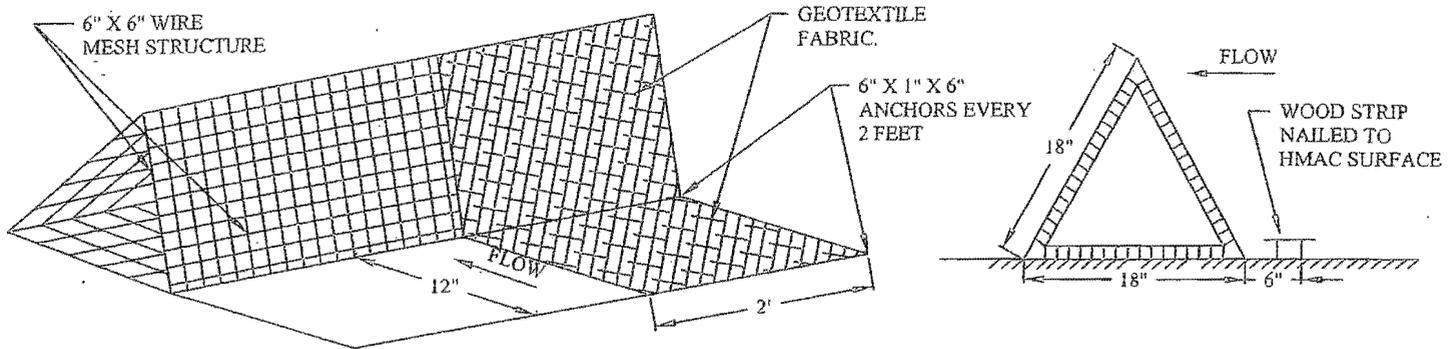


ENGINEERING, LTD.
 ENGINEERS AND PLANNERS

BRANCH OFFICE
 P.O. BOX 391
 McQUEENEY, TEXAS 78123
 PHONE * (830) 560-3200
 FAX * (830) 560-3203



- INSTALLATION DETAIL OPTIONS:
- 1) TOE - IN 6" MIN.
 - 2) WEIGHTED WITH 3" - 5" OPEN GRADED ROCK.
 - 3) TRENCHED IN 4".



NOTES:

1. DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT DIKE.
2. THE FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS WRAPPING OF GEOTEXTILE. THE SHIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE.
3. THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF 3"-5" OPEN GRADED ROCK, OR TOED-IN 6" WITH MECHANICALLY COMPACTED MATERIAL. OTHERWISE, THE ENTIRE STRUCTURE SHALL BE TRENCHED IN 4".
4. DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE USING 6 INCH WIRE STAPLES ON 2 FOOT CENTERS ON BOTH EDGES AND SKIRT, OR STAKED USING 3/8 INCH DIAMETER REBAR WITH TEE ENDS
5. FILTER MATERIAL SHALL BE LAPPED OVER ENDS 6 INCHES TO COVER DIKE TO DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS.
6. THE DIKE STRUCTURE SHALL BE 6 GA. 6" X 6" WIRE MESH, 18 INCHES ON A SIDE.
7. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
8. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF SIX INCHES, AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
9. AFTER THE DEVELOPMENT SITE IS COMPLETELY STABILIZED, THE DIKES AND ANY REMAINING SILT SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN NOTE 8 ABOVE.

TRIANGULAR FILTER DIKE

EXHIBIT B5

DATE - APRIL 2005
 DRAWN - PJM
 SHEET - 1 of 1

T.P.D.E.S. STORM WATER
 POLLUTION PREVENTION PLAN

M & S

MAIN OFFICE
 P.O. BOX 970
 SPRING BRANCH, TEXAS 78070
 PHONE * (830) 228-5446
 FAX * (830) 885-2170

BRANCH OFFICE
 P.O. BOX 391
 McQUEENEY, TEXAS 76122
 PHONE * (830) 560-3200
 FAX * (830) 560-3203

ENGINEERING, LTD.
 ENGINEERS AND PLANNERS

CONSTRUCTION SEQUENCE

1. OBTAIN REQUIRED PERMITS.
2. INSTALL ALL EROSION CONTROL MEASURES AND DEVICES THAT CAN BE INSTALLED PRIOR TO SITE CLEARING.
3. CLEAR SITE.
4. INSTALL ANY REMAINING CONTROL MEASURES AND DEVICES THAT COULD NOT BE INSTALLED PRIOR TO SITE CLEARING.
5. GRADE SITE.
6. INSTALL ALL UNDERGROUND UTILITIES. INSTALL EROSION CONTROL AROUND CATCH BASINS AND INLETS.
7. INSTALL PAVEMENT.
8. INSPECT AND MAINTAIN ALL EROSION CONTROL MEASURES UNTIL ALL DISTURBED OFFSITE & ONSITE AREAS HAVE BEEN HYDROMULCHED OR SODDED IN ACCORDANCE WITH THE LANDSCAPE PLAN AND A MOWABLE STAND OF GRASS IS ACHIEVED.

EROSION AND SEDIMENTATION CONTROL NOTES

1. EROSION CONTROL MEASURES, SITE WORK AND RESTORATION WORK SHALL BE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS FOR THIS PROJECT AS WELL AS THE CITY'S GENERAL REQUIREMENTS, WHICH PERTAIN TO THIS PROJECT.
2. ALL SLOPES SHALL BE SODDED OR SEEDDED WITH APPROVED GRASS, GRASS MIXTURE OR GROUND COVER SUITABLE TO THE AREA AND SEASON IN WHICH THEY ARE APPLIED. (IN ACCORDANCE WITH LANDSCAPE PLANS)
3. BRUSH BERMS, HAY BALES, SEDIMENTATION BASINS AND SIMILARLY RECOGNIZED TECHNIQUES AND MATERIALS, SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT POINT SOURCE SEDIMENTATION LOADING OF DOWNSTREAM FACILITIES. ADDITIONAL MEASURES MAY BE REQUIRED IF THEY ARE WARRANTED.
4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL FINAL INSPECTION AND APPROVAL OF THE PROJECT BY THE CITY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TEMPORARY EROSION CONTROL STRUCTURES AND TO REMOVE EACH STRUCTURE AS APPROVED BY THE CITY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

TPDES REQUIREMENTS NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING NOTICE OF INTENT (NOI) TO T.C.E.Q. FOR THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES) 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. CONTRACTOR SHALL HAVE THIS PLAN AND THE TPDES STORMWATER POLLUTION PREVENTION PLAN ON SITE AT ALL TIMES THROUGHOUT DURATION OF PROJECT.
3. ALL DISTURBED AREAS NOT ADDRESSED BY LANDSCAPE ARCHITECT SHALL BE HYDROMULCHED PER SPECIFICATION DESCRIBED IN THE GENERAL NOTES.
4. CONTRACTOR SHALL PROVIDE TRIANGULAR SEDIMENT FILTER DIKE PER EXHIBIT A5 WHERE SILT FENCE IS REQUIRED BUT NOT INSTALLABLE.
5. CONTRACTOR SHALL SUBMIT NOTICE OF TERMINATION (NOT) TO THE T.C.E.Q. UPON PROJECT COMPLETION AS DESCRIBED IN THE PROJECT TPDES STORMWATER POLLUTION PREVENTION PLAN.
6. CONTRACTOR TO RETAIN THE TPDES STORMSEWER POLLUTION PREVENTION PLAN ALONG WITH ALL COMPLETED INSPECTION REPORTS AND PLAN MODIFICATIONS DOCUMENTATION FOR A PERIOD OF THREE (3) YEARS FROM DATE OF FINAL STABILIZATION, AS REQUIRED BY THE E.P.A.

EXHIBIT B6

E - NTS
 DATE - APRIL 2005
 RAWN - PJM
 SHEET - 1 of 1

T.P.D.E.S. STORM WATER POLLUTION PREVENTION PLAN

MAIN OFFICE
 P.O. BOX 970
 SPRING BRANCH, TEXAS 78070
 PHONE * (830) 228-5446
 FAX * (830) 585-2170



BRANCH OFFICE
 P.O. BOX 391
 McQUEENEY, TEXAS 78123
 PHONE * (830) 560-3200
 FAX * (830) 560-3203

ENGINEERING, LTD.
 ENGINEERS AND PLANNERS

ATTACHMENT C

PERMIT FORMS

NOTICE OF INTENT (NOI) FORM

MS4 DRAFT LETTER

C. APPLICATION CONTACT (If TCEQ needs additional information regarding this application, who should be contacted?)

1. Name:	Title:	Company:
2. Phone No.: () -	Extension:	
3. FAX No.	E-mail Address:	

D. REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE

1. TCEQ Issued RE Reference Number (RN) (if available):

2. Name of Project or Site:

3. Physical Address of Project or Site: (enter in spaces below)

Street Number:	Street Name:	
City (nearest to the site):	ZIP Code (nearest to the site):	County (Counties if >1):

4. If no physical address (Street Number & Street Name), provide a written location access description that can be used for locating the site:
(Ex.: 2 miles west from intersection of Hwy 290 & IH35 on Hwy 290 South)

5. Latitude: N Longitude: W

6. Standard Industrial Classification (SIC) code:

7. Describe the activity related to the need for this authorization at this site (do not repeat the SIC and NAICS code):

8. Is the project/site located on Indian Country Lands? Yes No
If Yes, you must obtain authorization through EPA, Region VI.

E. SITE MAILING ADDRESS (address for receiving mail at the site)

Same As Operator (check if address is the same, then proceed with Section F.)

Mailing Address:	Suite No./Bldg.No.:	
City:	State:	ZIP Code:

F. GENERAL CHARACTERISTICS

1. Has a Pollution Prevention Plan been prepared as required in the general permit? Yes No
If No, coverage may be denied as the PPP is required at the time the NOI is submitted to TCEQ.

2. Provide the estimated area of land disturbed (to the nearest acre): _____ Acres

3. Provide the name of the receiving water body (local stream, lake, drainage ditch), MS4 Operator (if applicable) and the segment number where storm water runoff will flow from the construction site.

MS4 Operator: _____ Receiving Water Body: _____ Segment: _____

G. CERTIFICATION

I, _____
Typed or printed name *Title (Required)*

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 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signature: _____ Date: _____
(Use Blue Ink)

Did you complete everything? Use this checklist to be sure!

Are you ready to mail your form to TCEQ? Go to the General Information Section of the Instructions for mailing addresses.

Have you also mailed your check and Payment Submittal Form to the Cashier's office? Go to the end of this document for the Payment Submittal Form.

Customer GP TXR150000 Notice of Intent Checklist	
√	This checklist is for use by the operator to ensure a complete application. Missing information may result in denial of coverage under the general permit. (See NOI Process description in the Instructions)
<input type="checkbox"/>	Application Fee was sent to TCEQ's Financial Administration and the check information is listed.
	<p>OPERATOR INFORMATION - Confirm each item is complete:</p> <p>√</p> <p><input type="checkbox"/> Customer Number issued by TCEQ Central Registry (if you have it)</p> <p><input type="checkbox"/> Legal Name as filed to do business in Texas (Call TX SOS 512/463-5555)</p> <p><input type="checkbox"/> Operator Mailing Address is complete & verifiable with USPS. www.usps.com</p> <p><input type="checkbox"/> Phone Numbers/E-mail</p> <p><input type="checkbox"/> Type of Operator (Entity Type)</p> <p><input type="checkbox"/> Independent Operator</p> <p><input type="checkbox"/> Number of Employees</p> <p><input type="checkbox"/> For Corporations or Limited Partnerships - Tax and Filing numbers</p>
<input type="checkbox"/>	Billing Address is complete & verifiable with USPS. www.usps.com
<input type="checkbox"/>	Application Contact - a contact person for TCEQ to call is listed
	<p>REGULATED ENTITY (RE) INFORMATION - Confirm each item is complete:</p> <p>√</p> <p><input type="checkbox"/> Regulated Entity Reference Number (RN) (if you have it)</p> <p><input type="checkbox"/> Site/Project Name/Regulated Entity</p> <p><input type="checkbox"/> Site/Project (RE) Physical Address Please do not use a rural route or post office box for a site location</p> <p><input type="checkbox"/> Latitude and Longitude http://www.tnrcc.state.tx.us/gis/drgview.html or www.terraserwer.microsoft.com/advfind.aspx.</p> <p><input type="checkbox"/> Standard Industrial Classification (SIC) code http://www.osha.gov/oshstats/sicser.html and business description</p> <p><input type="checkbox"/> Indian Country Lands - your answer was NO</p> <p><input type="checkbox"/> Site Mailing Address (checked same as operator or gave a complete & verifiable with USPS. www.usps.com)</p>
	<p>GENERAL CHARACTERISTICS - Confirm each item is complete:</p> <p>√</p> <p><input type="checkbox"/> Pollution Prevention Plan (PPP) must be "Yes"</p> <p><input type="checkbox"/> Area of Land Disturbed (nearest acre)</p> <p><input type="checkbox"/> MS4 Operator, Receiving Water Body or Segment</p>
<input type="checkbox"/>	<p>CERTIFICATION</p> <p>Signature meets 30 Texas Administrative Code (TAC) §305.44 and is original.</p>



Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity under the TPDES General Permit (TXR150000)

General Information and Instructions

GENERAL

INFORMATION

Where to Send the Notice of Intent (NOI):

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Storm Water & Pretreatment Team; MC-228
P.O. Box 13087
Austin, Texas 78711-3087

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Storm Water & Pretreatment Team; MC-228
12100 Park 35 Circle
Austin, TX 78753

It is recommended that the NOI be mailed using a method that documents the date mailed.

TCEQ Contact list:

Application Processing Questions relating to the status and form requirements:	512/239-3700 & E-mail at "swpermit@tceq.state.tx.us"
Technical Questions relating to the general permit:	512/239-4671
Environmental Law Division:	512/239-0600
Central Records for obtaining copies of forms submitted to TCEQ:	512/239-0900
Information Services for obtaining reports from program data bases(as available):	512/239-DATA (3282)
Financial Administration's Cashier's office for receipt of payment:	512/239-0357 or 512/239-0187

Notice of Intent Process:

When your NOI is received by the program, the form will be processed as follows:

- Administrative Review:** Each item on the form will be reviewed for a complete response. In addition, the operator's legal number must be verified with Texas Secretary of State as valid and active (when applicable). The address on the form must be verified with the US Postal service as an address receiving regular mail delivery (never give an overnight/express mailing address).
 - Notice of Deficiency:** If an item is incomplete or not verifiable as indicated above, a notice of deficiency (NOD) will be mailed to the operator. The operator will have 30 days to respond to the NOD. The response will be reviewed for completeness; and if complete,
 - Acknowledge Coverage:** We will mail an Acknowledgment Certificate to the operator. This certificate acknowledges coverage under the general permit.
- or-
- Denial of Coverage:** If the operator fails to respond to the NOD, we may deny coverage under the general permit. If coverage is denied, we will notify the operator.

General Permit (Your Permit)

Provisional coverage under the general permit begins two days following the date that the NOI was postmarked. You should have a copy of the general permit when submitting your application. You may view and print the general permit for which you are seeking coverage on the TCEQ web site www.tceq.state.tx.

General Permit Forms

The Notice of Intent and Notice of Termination forms (with instructions) are available in Adobe Acrobat PDF format on the TCEQ web site www.tceq.state.tx.us.

Change in Operator

An authorization under the general permit is not transferable. If the operator of the regulated entity changes, the present permittee must submit a Notice of Termination and the new operator must submit a Notice of Intent. The NOT and NOI must be submitted not later than 10 days prior to the change in operator status.

Notice of Change

A Notice of Change letter must be submitted with supplemental or corrected information within 14 days following the time when the operator becomes aware that it failed to submit any relevant facts or incorrect information in the NOI; or the time when relevant facts in the NOI change (i.e. addresses, or phone numbers).

Notice of Termination

A permittee shall terminate coverage under this general permit through the submittal of a NOT when the operator or owner of the facility changes, the discharge becomes authorized under an individual permit, or the use of the property changes and is no longer subject to regulation under this general permit.

TCEQ Central Registry Core Data Form

The Core Data Form has been incorporated into this form. Do not complete and attach a core data form when submitting this application. After final acknowledgment of coverage under the general permit, the program will transfer the core data to the agency Central Registry for assignment of a Customer Number and Regulated Entity Number. You can find this information on our web site at www.tceq.state.tx.us, where you can query the Central Registry under the regulated entity number, or by your permit number under the search field labeled "Additional ID".

Fees are associated with a General Permit

The general permit refers to two different fees that apply to operators required to submit a Notice of Intent (NOI). Payment of the fees may be made by check or money order, payable to TCEQ.

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, TX 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, TX 78753

Application Fee: This is a fee that is required to be paid at the time the NOI is submitted. Failure to submit the payment at the time the application is filed will cause delays in acknowledging coverage or denial of cover under the general permit. This payment must be submitted separately using the Payment Submittal Form. If submitting one check or money order for multiple NOI's, list each site name and location exactly as provided on the NOI.

Annual Water Quality Fee: This is a fee that is assessed to operators with an active authorization under the general permit on September 1 of each year. The operator will receive an invoice for payment of the annual fee in November of each year. The payment will be due 30 days from the invoice date. A 5% penalty will be assessed if the payment is received by TCEQ after the due date. Annual fee assessments cannot be waived as long as the authorization under the general permit is active on September 1. It's important for the operator to submit a Notice of Termination (NOT) when coverage under the general permit is no longer required. A NOT is effective on the postmarked date of mailing the form to TCEQ. It is recommended that the NOT be mailed using a method that documents the date mailed.

INSTRUCTIONS FOR FILLING OUT THE FORM

A. OPERATOR (As defined in the general permit.)**1. TCEQ Issued Customer Number (CN)**

TCEQ's Central Registry will assign each customer a number that begins with "CN," followed by nine digits. **This is not a permit number, registration number, or license number.**

- If this customer has not been assigned a Customer Reference Number, leave the space for the Customer Reference Number blank.
- If this customer has already been assigned this number, enter the operator's Customer Reference Number in the space provided.

2. Legal Name

Provide the legal name of the facility operator, as authorized to do business in Texas. The name must be provided exactly as filed with the Texas Secretary of State (SOS), or on other legal document forming the entity that is filed in the county where doing business. You may contact the SOS at 512/463-5555, for more information related to filing in Texas. If filed in the county where doing business, provide a copy of the legal documents showing the legal name.

3. Operator Mailing Address

Provide a complete mailing address for this customer to receive mail from the TCEQ. The address must be verifiable with the US Postal Service at www.usps.com for regular mail delivery (not overnight express mail). If you find that the address is not verifiable using the USPS web search, please indicate the address is used by the USPS for regular mail delivery.

If this is a street address, please follow US Postal Service standards. In brief, these standards require this information in this order:

- # the "house" number—for example, the 1401 in
1401 Main St
- # if there is a direction before the street name, the one- or two-letter abbreviation of that direction (N, S, E, W, NE, SE, SW, or NW)
- # the street name (if a numbered street, do not spell out the number—for example, 6th St, not Sixth St)
- # an appropriate abbreviation of the type of street—for example, St, Ave, Blvd, Fwy, Exwy, Hwy, Cr, Ct, Ln
- # if there is a direction after the street name, the one- or two-letter abbreviation of that direction (N, S, E, W, NE, SE, SW, or NW)
- # if there is a room number, suite number, or company mail code

City, State, and ZIP Code

Enter the name of the city, the two-letter USPS abbreviation for the state (for example, TX), and the ZIP Code. (Enter the full ZIP+4 if you know it.)

Country Mailing Information

If this address is *outside* the United States, enter the territory name, country code, and any non-ZIP mailing codes or other non-U.S. Postal Service features here. If this address is *inside* the United States, leave these spaces blank.

Operator Electronic Communications

4. Phone Number

This number should correspond to this customer's mailing address given earlier. Enter the area code and phone number here. Leave "Extension" blank if this customer's phone system lacks this feature.

5. Fax Number and E-mail Address

This number and E-mail address should correspond to operator's mailing address given earlier. (Optional Information)

6. Type of Operator

Check only one box that identifies the type of entity. Use the descriptions below to identify the appropriate entity type:

Individual	is a person and has not established a business to do whatever causes them to be regulated by us.
Sole Proprietorship— D.B.A.	is a business that is owned by only one person and has not been incorporated. This business may: <ul style="list-style-type: none">• be under the person's name• have its own name ("doing business as," or d.b.a.)• have any number of employees
Partnership	is a business that is established as a partnership as defined by the Texas Secretary of State's Office.
Corporation	meets all of these conditions: <ul style="list-style-type: none">• is a legally incorporated entity under the laws of any state or country• is recognized as a corporation by the Texas Secretary of State• has proper operating authority to operate in Texas.
Federal, state, county, or city government (as appropriate)	is either an agency of one of these levels of government or the governmental body itself.
Other	fits none of the above descriptions. Enter a short description of the type of customer in the blank provided.

7. Independent Operator

Check "No" if this customer is a subsidiary, part of a larger company, or is a governmental entity. Otherwise, check "Yes."

8. Number of Employees

Check one box to show the number of employees for this customer's entire company, at all locations. This is not necessarily the number of employees at the site named in this NOI.

9. State Franchise Tax ID Number	Corporations and limited liability companies that operate in Texas are issued a franchise tax identification number. If this customer is a corporation or limited liability company, enter this number here.
Federal Tax ID	All businesses, except for some small sole proprietors, should have a federal taxpayer identification number (TIN). Enter this number here. Use no prefixes, dashes, or hyphens. Individuals and sole proprietors do not need to provide a federal tax ID.
TX SOS Charter (filing) Number	Corporations and Limited Partnerships required to register with the Texas Secretary of State are issued a charter or filing number. You may obtain further information by calling SOS at 512/463-5555 or www.sos.state.tx.us
DUNS Number	Most businesses have a DUNS (Data Universal Numbering System) number issued by Dun and Bradstreet Corp. If this customer has one, enter it here.
B. BILLING ADDRESS	
An annual fee is assessed to an operator holding an active authorization under the general permit September 1 of each year. Provide the complete mailing address where the annual fee invoice should be mailed. Verify the address with the USPS ensuring it to be an address for delivery of regular mail (not overnight express mail). Also, provide a phone number of the office responsible for payment of the invoice. The operator is the responsible billing client for payment of annual fee.	
C. APPLICATION CONTACT	
Provide the name, title and communication information of the person that TCEQ can contact for additional information regarding this application.	
D. REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE	
1. Regulated Entity Reference Number (RN)	
This is a number issued by TCEQ's Central Registry to sites regulated by TCEQ (a location where a regulated activity occurs). This is not a permit number, registration number, or license number.	
<ul style="list-style-type: none"> • If this Regulated Entity has not been assigned a Regulated Entity Number, leave the space for the Regulated Entity Number blank. • If this customer has already been assigned this number, enter the operator's Regulated Entity Number. 	
2. Site/Project Name/Regulated Entity	
Provide the name of the site as known by the public in the area where the site is located. The name you provide on this application will be used in the TCEQ Central Registry as the Regulated Entity. A regulated entity number will be assigned by Central Registry, if this is a new site (not currently regulated by TCEQ).	
3. Site/Project (RE) Physical Address	
Enter the complete address of where the site is located. This address must be validated through US Postal Service or your local police (911 service) as a valid address. Please confirm this to be a complete and valid address. In some rural areas, new addresses are being assigned to replace rural route addresses. Please do not use a rural route or post office box for a site location.	
Provide the county, city and ZIP code of the area where the project/site is located. This information is required to complete the processing of your form.	
4. No Physical Address	
If a site does not have an actual physical address that includes a street (or house) number and street name, enter NO ADDRESS for the street name. Then provide a complete written location access description. <i>For example:</i> "The site is located 2 miles west from intersection of Hwy 290 & IH35, locate on the southwest corner of the Hwy 290 South bound lane."	
For projects/sites that includes a large project area, describe the project. <i>For example:</i> "State Highway 45 road project between Highway 620 and IH 35."	

5. Latitude and Longitude

Enter the latitude and longitude of the site in either degrees, minutes, and seconds or decimal form. For help obtaining the latitude and longitude, go to: <http://www.tnrc.state.tx.us/gis/drgview.html> or www.terraserver.microsoft.com/advfind.aspx.

6. Standard Industrial Classification (SIC) code

Provide the SIC code that best describes the activity being conducted at the site.

Common SIC Codes related to construction activities include: 1521 Construction of Single Family Homes; 1522 Construction of Residential Bldgs. Other than Single Family Homes; 1541 Construction of Industrial Bldgs. and Warehouses; 1542 Construction of Non-residential Bldgs. other than Industrial Bldgs. and Warehouses; 1611 Highway & Street Construction, except Highway Construction; 1622 Bridge, Tunnel, & Elevated Highway Construction; 1623 Water, Sewer, Pipeline & Communications, and Power Line Construction.

For help with SIC codes, go to: <http://www.osha.gov/oshstats/sicser.html>

7. Description of Activity Regulated

Provide a description of the activity being conducted at the site. This must be a description specific to what you are doing that requires this authorization. (Do not repeat the SIC Code)

8. Indian Country Lands

If your site is located on Indian Country Lands, the TCEQ does not have authority to process your application. You must obtain authorization through EPA, Region VI, Dallas. **Do not submit this form to TCEQ.**

E. SITE MAILING ADDRESS

Provide a complete mailing address to be used by TCEQ for receiving mail at the site. In most cases, the address is the same as the operator. If so, simply place a check mark in the box. If you provide a different address, please verify the address with USPS as noted above for the operator address.

F. GENERAL CHARACTERISTICS

1. Pollution Prevention Plan (PPP)

This plan identifies the areas and activities that could produce contaminated runoff at your site and then tells how you will ensure that this contamination is mitigated. For example, in describing your mitigation measures, your site's plan might identify the devices that collect and filter storm water, tell how those devices are to be maintained, and tell how frequently that maintenance is to be carried out. **You must develop this plan in accordance with the TCEQ general permit requirements. This plan must be developed and implemented before you complete this NOI.** This plan must be available for a TCEQ investigator to review on request.

2. Estimated Area of Land Disturbed

Provide the approximate number of acres that the construction site will disturb. Construction activities that disturb less than one acres, unless they are part of a larger common plan that disturbs more than one acre, do not require permit coverage. Construction activities that disturb between one and five acres, unless they are part of a common plan that disturbs more than five acres, do not require submission of an NOI. Therefore, the estimated area of land disturbed should not be less than five, unless the project is part of a larger common plan that disturbs five or more acres. If the acreage is less than 1, enter 1. "Disturb" means any clearing, grading, excavating, or other similar activities. If you have any questions about this item, please call the storm water technical staff at (512)239-4671.

3. Receiving Water Body

The storm water from your site eventually reaches a receiving water body such as a local stream or lake, possibly via a drainage ditch. The discharge may initially be into a municipal separate storm sewer system (MS4). If applicable, provide the name of the entity that operates the MS4 where the storm water discharges. An MS4 operator is often a city, town, or utility district, but possibly another form of government.

You must provide the name of the water body that receives the discharge from the construction site (a local stream or lake). Storm water may be discharged directly to a receiving stream or through a MS4. If known, please include the segment number if the discharge is to a classified water body.

G. OPERATOR CERTIFICATION

The certification must bear an original signature of a person meeting the signatory requirements specified in under 30 Texas Administrative Code (TAC) §305.44. The printed name and title of the person signing the form must be provided. NOI forms with stamped or copied signatures will not be processed.

IF YOU ARE A CORPORATION:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(1) (see below). According to this code provision, any corporate representative may sign an NOI or similar form so long as the authority to sign such a document has been delegated to that person in accordance with corporate procedures. By signing the NOI or similar form, you are certifying that such authority has been delegated to you. The TCEQ may request documentation evidencing such authority.

IF YOU ARE A MUNICIPALITY OR OTHER GOVERNMENT ENTITY:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(3) (see below). According to this code provision, only a ranking elected official or principal executive officer may sign an NOI or similar form. Persons such as the City Mayor or County Commissioner will be considered ranking elected officials. In order to identify the principal executive officer of your government entity, it may be beneficial to consult your city charter, county or city ordinances, or the Texas statute(s) under which your government entity was formed. An NOI or similar document that is signed by a government official who is not a ranking elected official or principal executive officer does not conform to §305.44(a)(3). The signatory requirement may not be delegated to a government representative other than those identified in the regulation. By signing the NOI or similar form, you are certifying that you are either a ranking elected official or principal executive officer as required by the administrative code. Documentation demonstrating your position as a ranking elected official or principal executive officer may be requested by the TCEQ.

If you have any questions or need additional information concerning the signatory requirements discussed above, please contact the Texas Commission on Environmental Quality's Environmental Law Division at 512/239-0600.

30 Texas Administrative Code

§305.44. Signatories to Applications.

(a) All applications shall be signed as follows.

(1) For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post-closure order applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

(2) For a partnership or sole proprietorship, the application shall be signed by a general partner or the proprietor, respectively.

(3) For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrator of the EPA).

**Texas Commission on Environmental Quality
General Permit Payment Submittal Form**

Use this form to submit your Application Fee.

- Complete items 1 through 4 below:
- Staple your check in the space provided at the bottom of this document.
- Do not mail this form with your NOI form.
- Do not mail this form to the same address as your NOI. Instead, mail this form and your check to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, TX 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, TX 78753

To confirm receipt of payment, call the Cashier's office at 512/239- 0357 or 239-0187.

Fee Code: **GPA**

General Permit: **TXR150000**

1. Check / Money Order No:

2. Amount of Check/Money Order:

3. Date of Check or Money Order:

4. Name on Check or Money Order:

5. NOI INFORMATION

If the check is for more than one NOI, list each Project/Site (RE) Name and Physical Address exactly as provided on the NOI. **DO NOT SUBMIT A COPY OF THE NOI WITH THIS FORM AS IT COULD CAUSE DUPLICATE PERMIT ENTRIES.**

See Attached List of Sites *(If more space is needed, you may attach a list.)*

Project/Site (RE) Name:

Project/Site (RE) Physical Address:

Staple Check In This Space

ATTACHMENT D

PRE-CONSTRUCTION FORMS

RESPONSIBLE PARTY FORM SCHEDULE

RESPONSIBLE PARTY FORM CERTIFICATIONS

POSTING NOTICE

Luke Wilburn
 Timberline Properties, Inc.
 7200 Hwy 281 N. Suite 6
 Spring Branch, Texas 78070

Responsible Party Form Schedule

Prevention Pollution Measure	Responsible Party Company Name									
BEST MANAGEMENT PRACTICES										
Silt Fences										
Rock berms										
Drain inlet protection										
Gravel filter bags										
Vehicle exits (offsite tracking)										
Concrete washout pit (leaks, failure)										
Temporary vegetation										
Permanent vegetation										
Sediment control basin										
Other structural controls										
Material storage areas (leakage)										
Equipment areas (leaks, spills)										
Construction debris										
General site cleanliness										
Trash receptacles										
Natural vegetation buffer strips										
Inspections										
SWP3 Modification & Records										
POTENTIAL EROSION SOURCES										
Clearing										
Grading										
Excavation										
Drainage Construction										
Utility Construction										
Roadway or Parking Lot Construction										
Foundation Construction										
Building Construction										
Landscaping Activities										

Identify responsible parties and indicate responsible party for each pollution prevention item listed above by marking an X under the Responsible Party Name.

Luke Wilburn
Timberline Properties, Inc.
7200 Hwy 281 N. Suite 6
Spring Branch, Texas 78070

Responsible Party Form Certifications

“I certify under penalty of law that I understand the terms and conditions of the general Texas Pollutant Discharge Elimination System (TPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.”

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: General Contractor
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: Earthwork
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: Plumbing
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: Paving
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: Electrical
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: Fuel Station
Date: _____

(Note: Use additional sheets if necessary)

Luke Wilburn
Timberline Properties, Inc.
7200 Hwy 281 N. Suite 6
Spring Branch, Texas 78070

Responsible Party Form Certifications

“I certify under penalty of law that I understand the terms and conditions of the general Texas Pollutant Discharge Elimination System (TPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.”

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: _____
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: _____
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: _____
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: _____
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: _____
Date: _____

Company: _____
Name: _____
Signed: _____

Phone: _____
Responsible for: _____
Date: _____

(Note: Use additional sheets if necessary)

POSTING NOTICE

(GENERAL INFORMATION)

PERMIT NUMBER	
CONTACT NAME	
CONTACT PHONE	
PROJECT DESCRIPTION	
SWP3 LOCATION (Only necessary if the site is inactive or does not have an on-site location to store the plan)	

Note: This posting is in addition to the Construction Site Notice or Notice of Intent

ATTACHMENT E

CONSTRUCTION FORMS

INSPECTION REPORT

Luke Wilburn
 Timberline Properties, Inc.
 7200 Hwy 281 N. Suite 6
 Spring Branch, Texas 78070

Inspection Report

Prevention Pollution Measure	Inspected in Compliance	Corrective Action Required	
		Description (use additional sheet if necessary)	Date Complete
BEST MANAGEMENT PRACTICES			
Silt fences			
Rock berms			
Drain inlet protection			
Gravel filter bags			
Vehicle exits (offsite tracking)			
Concrete washout pit (leaks, failure)			
Temporary vegetation			
Permanent vegetation			
Sediment control basin			
Other structural controls			
Material storage areas (leakage)			
Equipment areas (leaks, spills)			
Construction debris			
General site cleanliness			
Trash receptacles			
Natural vegetation buffer strips			
EVIDENCE OF EROSION			
Site Preparation			
Roadway or Parking Lot Construction			
Utility Construction			
Drainage Construction			
Building Construction			
MAJOR OBSERVATIONS			
Sediment discharges from site			
BMPs requiring maintenance			
BMPs requiring modification			
Additional BMPs required			

"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 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."

 Inspector's Name (Superintendent)

 Inspector's Signature

 Date

 Name of Owner/Operator (Firm)

 Authorized Signature

 Date

Note: If there is a "NO" answer in the second column, the right columns will need to be completed and action is required within 7 days. Use additional sheets if necessary.

ATTACHMENT F

POST-CONSTRUCTION FORMS

NOTICE OF TERMINATION (NOT) FORM

ATTACHMENT "F" NOTICE OF TERMINATION (NOT) FORM

When the site has achieved final stabilization* or another operator/permittee (i.e. change of General Contractor) has assumed control of construction activities, the respective permittee each submit a NOT form as well as their respective certification documents** within 30 days to TCEQ at the following address:

Texas Commission on Environmental Quality
Storm Water & General Permits Team; MC-228
P.O. Box 13087
Austin, Texas 78711-3087

NOTES: A partially completed NOT is included within this attachment to be used as a guide. Before submittal to TCEQ, all pertinent sections of the NOT must be filled out. Instructions to complete the NOT form are included. A NOT form is required for each NOI form submitted.

* the permit defines final stabilization as uniform perennial vegetative cover with a density of 70% or equivalent measures such as riprap for the areas of the site not covered by permanent structures or pavement.

** found on pages 11 & 12 of this report



Notice of Termination (NOT) for Storm Water Discharges Associated with Construction Activity under the TPDES Construction General Permit (TXR150000)

For help completing this application, read the TXR150000 NOI Instructions (TCEQ-20023-Instructions).

TCEQ Office Use Only

TPDES Permit Number: TXR15** .. ** .. ** .. ** NO

GIN Number: ** .. ** .. ** .. ** .. ** .. **

A. TPDES Permit Number: TXR15_____

B. Construction Site Operator

Customer Reference Number: CN_____

Name: _____

Mailing Address: _____

City: _____ State: -- _____ Zip Code: _____

Country Mailing Information (if outside USA) Territory: _____ Country Code: _____ Postal Code: _____

Phone Number: _____ Extension: _____ Fax Number: _____

E-mail Address: _____

C. Project / Site Information

Regulated Entity Reference Number: RN_____

Name: _____

Physical Address: _____

Location Access Description: _____

City: _____ County: -- _____ Zip Code: _____

D. Contact - If the TCEQ needs additional information regarding this termination, who should be contacted?

Name: _____ Title: _____

Phone Number: _____ Extension: _____ Fax Number: _____

E-mail Address: _____

E. Certification

I certify under penalty of law that authorization under the TPDES Construction General Permit (TXR150000) is no longer necessary based on the provisions of the general permit. I understand that by submitting this Notice of Termination, I am no longer authorized to discharge storm water associated with construction activity under the general permit TXR150000, and that discharging pollutants in storm water associated with construction activity to waters of the U.S. is unlawful under the Clean Water Act where the discharge is not authorized by a TPDES permit. I also understand that the submittal of this Notice of Termination does not release an operator from liability for any violations of this permit or the Clean Water Act.

Construction Site Operator Representative:

Prefix: _____ First: _____ Middle: _____

Last: _____ Suffix: _____

Title: _____

Signature: _____ Date: _____

If you have questions on how to fill out this form or about the storm water program, please contact us at (512) 239-4671. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at (512) 239-3282.

The completed NOT must be mailed to the following address:

**Texas Commission on Environmental Quality
Storm Water & General Permits Team; MC - 228
P.O. Box 13087
Austin, Texas 78711-3087**

ATTACHMENT G

ENDANGERED SPECIES VERIFICATION

Endangered Species Verification Comal County, Texas

The Comal County list, derived from these websites, is based on information available from the U.S. Fish and Wildlife Service and the Texas Parks and Wildlife Department at the date of preparation of this document. This list is subject to change, without notice, as new biological information is gathered.

Species Group	Common Name	Scientific Name	Federal Status	State Status
Birds	Golden-cheeked Warbler	<i>Dendroica chrysoparia</i>	LE	E
Birds	Peregrine Falcon	<i>Falco peregrinus</i>	DL	E T
Birds	American Peregrine Falcon	<i>Falco peregrinus anatum</i>	DL	E
Birds	Whooping Crane	<i>Grus americana</i>	LE	E
Mammals	Red wolf	<i>Canis rufus</i>	LE	E
Mammals	Jaguarundi	<i>Herpailurus yaguarondi</i>	LE	E

† Information derived from Texas Parks and Wildlife.

Status Key:

- LE, LT - Federally Listed Endangered/Threatened
- PE, PT - Federally Proposed Endangered/Threatened
- E/SA, T/SA - Federally Listed Endangered/Threatened by Similarity of Appearance
- C - Federal Candidate for Listing; formerly Category 1 Candidate
- DL, PDL - Federally Delisted/Proposed for Delisting
- NL - Not Federally Listed
- E, T - State Listed Endangered/Threatened
- NT - Not tracked or no longer tracked by the State

ATTACHMENT H

NATIONAL REGISTER OF HISTORIC PLACES

National Register Information System
(World Wide Web – www.nr.nps.gov)

National Register of Historic Places
(World Wide Web – www.nationalregisterofhistoricplaces.com)

Historic Places
Comal County, Texas

Row	State	County	Resource Name	Address	City	Listed
1	TX	Comal	Breustedt, Andreas, House	1370 Church Hill Dr.	New Braunfels	1982
2	TX	Comal	Comal County Courthouse	N. Seguin Ave.	New Braunfels	1976
3	TX	Comal	Comal Hotel and Klein-Kuse House	295 E. San Antonio and 165 Market St.	New Braunfels	1986
4	TX	Comal	First Protestant Church	296 S. Seguin St.	New Braunfels	1971
5	TX	Comal	Gross, Carl W.A., House	228 S. Seguin St.	New Braunfels	2000
6	TX	Comal	Gurene Historic District	Both sides of Seguin, New Braunfels, and Austin Sts.	Greune	1975
7	TX	Comal	Guadalupe Hotel	471 Main Plaza	New Braunfels	1975
8	TX	Comal	Holz-Forshage-Krueger Building	472 W. San Antonio St.	New Braunfels	1997
9	TX	Comal	Hotel Faust	240 S. Seguin St.	New Braunfels	1985
10	TX	Comal	Klein, Stephen, House	131 S. Seguin St.	New Braunfels	1970
11	TX	Comal	Lindheimer House	489 Comal Ave.	New Braunfels	1970
12	TX	Comal	Comal Power Plant	Jct. of Landa Rd. and Landa Park Dr.	New Braunfels	2004
13	TX	Comal	Gruene Historic District (Boundary Increase)	Gruene Rd. W. from Seguin St. to the W. side of Gruene Bridge	New Braunfels	2004
14	TX	Comal	Natural Bridge Caverns Sinkhole Site	Address Restricted	Natural Bridge Caverns	2004

ATTACHMENT I

PERMIT REQUIREMENTS
(TPDES GENERAL PERMIT – MARCH 5, 2003)



TPDES General Permit
NO. TXR150000

This is a new general permit
issued pursuant to Section
26.040 of the Texas Water Code
and Section 402 of the Clean
Water Act.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. BOX 13087
Austin, TX 78711-3087

GENERAL PERMIT TO DISCHARGE WASTE

under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

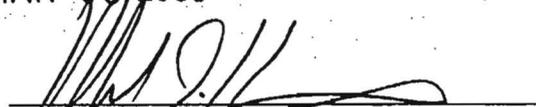
Construction sites located in the state of Texas

may discharge to surface water in the state

only according to effluent limitations, monitoring requirements and other conditions set forth in this permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the TCEQ. The issuance of this general permit does not grant to the permittee the right to use private or public property for conveyance of storm water and certain non-storm water discharges along the discharge route. This includes property belonging to but not limited to any individual, partnership, corporation or other entity. Neither does this permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This permit and the authorization contained herein shall expire at midnight five years after the date of issuance.

ISSUED AND EFFECTIVE DATE: MAR 05 2003


For the Commission

**TCEQ General Permit Number TXR150000 Relating To Discharges
From Construction Activities**

Table of Contents

Part I.	Definitions	Page 3
Part II.	Permit Applicability and Coverage	Page 7
Part III.	Storm Water Pollution Prevention Plans	Page 18
Part IV.	Numeric Effluent Limitations	Page 28
Part V.	Retention of Records	Page 29
Part VI.	Standard Permit Conditions	Page 29
Part VII.	Fees	Page 30
Appendix A.	Periods of Low Potential by County	Page 31
Attachment 1	Construction Site Notice for Part II.D.1 Waivers	Page 32
Attachment 2	Construction Site Notice for Part II.D.2. Authorizations	Page 33
Attachment 3	Discharge Monitoring Report for Concrete Batch Plants	Page 34

Part I. Definitions

Best Management Practices - (BMPs) Schedules of activities, prohibitions of practices, maintenance procedures, structural controls, local ordinances, and other management practices to prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control construction site runoff, spills or leaks, waste disposal, or drainage from raw material storage areas.

Commencement of Construction - The exposure of soils resulting from activities such as clearing, grading, and excavating.

Common Plan of Development - A construction activity that is completed in separate stages, separate phases, or in combination with other construction activities. A common plan of development is identified by the documentation for the construction project that identifies the scope of the project, and may include plats, blueprints, marketing plans, contracts, building permits, a public notice or hearing, zoning requests, or other similar documentation and activities.

Facility or Activity - Any TPDES “point source” or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the TPDES program.

Final Stabilization - A construction site status where either of the following conditions are met:

- (a) All soil disturbing activities at the site have been completed and a uniform (e.g, evenly distributed, without large bare areas) perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.
- (b) For individual lots in a residential construction site by either:
 - (1) the homebuilder completing final stabilization as specified in condition (a) above; or
 - (2) the homebuilder establishing temporary stabilization for an individual lot prior to the time of transfer of the ownership of the home to the buyer and after informing the homeowner of the need for, and benefits of, final stabilization.
- (c) For construction activities on land used for agricultural purposes (e.g. pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to a surface water and areas which are not being returned to their preconstruction agricultural use must meet the final stabilization conditions of condition (a) above.

Large Construction Activity - Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than five (5) acres of land. Large construction activity also includes the disturbance of less than five (5) acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five (5) acres of land. Large construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of a ditch, channel, or other similar storm water conveyance. Large construction activity does not include the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities.

Municipal Separate Storm Sewer System (MS4) - A separate storm sewer system owned or operated by a state, city, town, county, district, association, or other public body (created by or pursuant to state law) having jurisdiction over the disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under state law such as a sewer district, flood control or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization.

Notice of Intent (NOI) - A written submission to the executive director from an applicant requesting coverage under a general permit.

Notice of Termination (NOT) - A written submission to the executive director from a permittee authorized under a general permit requesting termination of coverage.

Operator - The person or persons associated with a large or small construction activity that meets either of the following two criteria:

- (a) the person or persons have operational control over construction plans and specifications to the extent necessary to meet the requirements and conditions of this general permit; or
- (b) the person or persons have day-to-day operational control of those activities at a construction site which are necessary to ensure compliance with a storm water pollution prevention plan for the site or other permit conditions (e.g. they are authorized to direct workers at a site to carry out activities required by the Storm Water Pollution Prevention Plan or comply with other permit conditions).

Permittee - An operator authorized under this general permit. The authorization may be gained through submission of a notice of intent, by waiver, or by meeting the requirements for automatic coverage to discharge storm water runoff and certain non-storm water discharges.

Point Source - Any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are, or may be, discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

Pollutant - (from the Texas Water Code, Chapter 26) Dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, filter backwash, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into any surface water in the state. The term "pollutant" does not include tail water or runoff water from irrigation or rainwater runoff from cultivated or uncultivated rangeland, pastureland, and farmland.

Pollution - (from the Texas Water Code, Chapter 26) The alteration of the physical, thermal, chemical, or biological quality of, or the contamination of, any surface water in the state that renders the water harmful, detrimental, or injurious to humans, animal life, vegetation, or property or to public health, safety, or welfare, or impairs the usefulness or the public enjoyment of the water for any lawful or reasonable purpose.

Runoff Coefficient - The fraction of total rainfall that will appear at the conveyance as runoff.

Separate Storm Sewer System - A conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains), designed or used for collecting or conveying storm water; that is not a combined sewer, and that is not part of a publicly owned treatment works (POTW).

Small Construction Activity - Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one (1) acre and less than five (5) acres of land. Small construction activity also includes the disturbance of less than one (1) acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one (1) and less than five (5) acres of land. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of a ditch, channel, or other similar storm water conveyance. Small construction activity does not include the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities.

Storm Water - Storm water runoff, snow melt runoff, and surface runoff and drainage.

Storm Water Associated with Construction Activity - Storm water runoff from a construction activity where soil disturbing activities (including clearing, grading, excavating) result in the disturbance of one (1) or more acres of total land area, or are part of a larger common plan of development or sale that will result in disturbance of one (1) or more acres of total land area.

Structural Control (or Practice) - A pollution prevention practice that requires the construction of a device, or the use of a device, to capture or prevent pollution in storm water runoff. Structural controls and practices may include but are not limited to: silt fences, earthen dikes, drainage swales, sediment traps, check dams, subsurface drains, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins.

Surface Water in the State - Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits

of the state (from the mean high water mark (MHW) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or nonnavigable, and including the beds and banks of all water-courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state; except that waters in treatment systems which are authorized by state or federal law, regulation, or permit, and which are created for the purpose of waste treatment are not considered to be water in the state.

Temporary Stabilization - A condition where exposed soils or disturbed areas are provided a protective cover, which may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place.

Waters of the United States - (from title 40, part 122, section 2 of the Code of Federal Regulations)
Waters of the United States or waters of the U.S. means:

- (a) all waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
- (b) all interstate waters, including interstate wetlands;
- (c) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds that the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:
 - (1) which are or could be used by interstate or foreign travelers for recreational or other purposes;
 - (2) from which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
 - (3) which are used or could be used for industrial purposes by industries in interstate commerce;
- (d) all impoundments of waters otherwise defined as waters of the United States under this definition;
- (e) tributaries of waters identified in paragraphs (a) through (d) of this definition;
- (f) the territorial sea; and
- (g) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 CFR § 423.11(m) which also meet the criteria of this definition) are not waters of the United States. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the United States (such as disposal area in wetlands) nor resulted from the impoundment of waters of the United States. Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA.

Part II. Permit Applicability and Coverage

Section A. Discharges Eligible for Authorization

1. Storm Water Associated with Construction Activity

Discharges of storm water runoff from small and large construction activities may be authorized under this general permit.

2. Discharges of Storm Water Associated with Construction Support Activities

Discharges of storm water runoff from construction support activities, including concrete batch plants, asphalt batch plants, equipment staging areas, material storage yards, material borrow areas, and excavated material disposal areas may be authorized under this general permit provided:

- (a) the activity is located within a 1-mile distance from the boundary of the permitted construction site and directly supports the construction activity;
- (b) the storm water pollution prevention plan is developed according to the provisions of this general permit and includes appropriate controls and measures to reduce erosion and discharge of pollutants in storm water runoff from the supporting industrial activity site; and
- (c) the industrial activity either does not operate beyond the completion date of the construction activity or obtains separate TPDES authorization for discharges.

3. Non-storm Water Discharges

The following non-storm water discharges from sites authorized under this general permit are also eligible for authorization under this general permit:

- (a) discharges from fire fighting activities;

- (b) fire hydrant flushings;
 - (c) vehicle, external building, and pavement wash water where detergents and soaps are not used and where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed; and if local state, or federal regulations are applicable, the materials are removed according to those regulations), and where the purpose is to remove mud, dirt, an dust;
 - (d) water used to control dust;
 - (e) potable water sources including waterline flushings;
 - (f) air conditioning condensate;
 - (g) uncontaminated ground water or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents.
4. Other Permitted Discharges

Any discharge authorized under a separate NPDES, TPDES, or TCEQ permit may be combined with discharges authorized by this permit.

Section B. Limitations on Permit Coverage

1. Post Construction Discharges.

Discharges that occur after construction activities have been completed, and after the construction site and any supporting activity site have undergone final stabilization, are not eligible for coverage under this general permit. Discharges originating from the sites are not authorized under this general permit following the submission of the notice of termination (NOT) for the construction activity.

2. Prohibition of Non-Storm Water Discharges

Except as provided in Part II. A.2., A3., and A4., all discharges authorized by this general permit must be composed entirely of storm water associated with construction activity.

3. Compliance With Water Quality Standards

Discharges to surface water in the state that would cause or contribute to a violation of water quality standards or that would fail to protect and maintain existing designated uses are not eligible for coverage under this general permit. The executive director may require an application for an individual permit or alternative

general permit (see Part II.G.3) to authorize discharges to surface water in the state from any activity that is determined to cause a violation of water quality standards or is found to cause, or contribute to, the loss of a designated use. The executive director may also require an application for an individual permit considering factors described in Part II. G.2.

4. Discharges to Water Quality-Impaired Receiving Waters.

New sources or new discharges of the constituents of concern to impaired waters are not authorized by this permit unless otherwise allowable under 30 TAC Chapter 305 and applicable state law. Impaired waters are those that do not meet applicable water quality standards and are listed on the EPA approved Clean Water Act Section 303(d) list. Constituents of concern are those for which the water body is listed as impaired.

Discharges of the constituents of concern to impaired water bodies for which there is a total maximum daily load (TMDL) implementation plan are not eligible for this permit unless they are consistent with the approved TMDL and the implementation plan. Permittees must incorporate the limitations, conditions, and requirements applicable to their discharges, including monitoring frequency and reporting required by TCEQ rules, into their storm water pollution prevention plan in order to be eligible for coverage under this general permit.

5. Discharges to the Edwards Aquifer Recharge Zone

Discharges cannot be authorized by this general permit where prohibited by 30 Texas Administrative Code (TAC) Chapter 213 (relating to Edwards Aquifer).

- (a) For new discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone, operators must meet all applicable requirements of, and operate according to, 30 TAC Chapter 213 (Edwards Aquifer Rule) in addition to the provisions and requirements of this general permit.
- (b) For existing discharges, the requirements of the agency-approved Water Pollution Abatement Plan under the Edwards Aquifer Rules are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural storm water controls, for example, may be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Rule for reductions of suspended solids in storm water runoff are in addition to the requirements in this general permit for this pollutant. For discharges from large construction activities located on the Edwards Aquifer contributing zone, applicants must also submit a copy of the NOI to the appropriate TCEQ regional office.”

Counties:

Comal, Bexar, Medina, Uvalde,
and Kinney

Contact:

TCEQ
Water Program Manager
San Antonio Regional Office
14250 Judson Rd.
San Antonio, Texas
(210) 490-3096

Williamson, Travis, and Hays

TCEQ
Water Program Manager
Austin Regional Office
1921 Cedar Bend Dr., Ste. 150
Austin, Texas
(512) 339-2929.

6. Discharges to Specific Watersheds and Water Quality Areas

Discharges otherwise eligible for coverage cannot be authorized by this general permit where prohibited by 30 TAC Chapter 311 (relating to Watershed Protection) for water quality areas and watersheds.

7. Protection of Streams and Watersheds by Other Governmental Entities

This general permit does not limit the authority or ability of federal, other state, or local governmental entities from placing additional or more stringent requirements on construction activities or discharges from construction activities. For example, this permit does not limit the authority of a home-rule municipality provided by Section 401.002 of the Texas Local Government Code.

8. Indian Country Lands

Storm water runoff from construction activities occurring on Indian Country lands are not under the authority of the TCEQ and are not eligible for coverage under this general permit. If discharges of storm water require authorization under federal National Pollutant Discharge Elimination System (NPDES) regulations, authority for these discharges must be obtained from the U.S. Environmental Protection Agency (EPA).

9. Oil and Gas Production

Storm water runoff from construction activities associated with the exploration, development, or production of oil or gas or geothermal resources, including transportation of crude oil or natural gas by pipeline, are not under the authority of the TCEQ and are not eligible for coverage under this general permit. If discharges

of storm water require authorization under federal NPDES regulations, authority for these discharges must be obtained from the EPA.

10. Storm Water Discharges from Agricultural Activities

Storm water discharges from agricultural activities that are not point source discharges of storm water are not subject to TPDES permit requirements. These activities may include clearing and cultivating ground for crops, construction of fences to contain livestock, construction of stock ponds, and other similar agricultural activities.

Section C. Deadlines for Obtaining Authorization to Discharge

1. Large Construction Activities

- (a) New Construction - Discharges from sites where the commencement of construction occurs on or after the issuance date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.
- (b) Ongoing Construction - Operators of large construction activities continuing to operate after the issuance date of this permit, and authorized under NPDES general permit TXR100000 (issued July 6, 1998, FR 36490), must submit an NOI to obtain authorization under this general permit within 90 days of the issuance date of this general permit. During this interim period, as a requirement of this TPDES permit, the operator must continue to meet the conditions and requirements of the federal NPDES permit. If the construction activity is completed prior to this 90-day deadline, and the site would otherwise qualify for termination of coverage under that federal NPDES permit, the operator must notify the executive director of the TCEQ in writing within 30 days of that condition.

2. Small Construction Activities

- (a) New Construction - Discharges from sites where the commencement of construction occurs on or after the issuance date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.
- (b) Ongoing Construction - Discharges from ongoing small construction activities that commenced prior to March 10, 2003, and that would not meet the conditions to qualify for termination of this permit as described in Part II.E. of this general permit, must be authorized, either under this general permit or a separate TPDES permit, prior to March 10, 2003.

Section D. Obtaining Authorization to Discharge

1. Small construction activities are determined to occur during periods of low potential for erosion, and operators of these sites may be automatically authorized under this general permit and not required to develop a storm water pollution prevention plan or submit a notice of intent (NOI), provided:
 - (a) the construction activity occurs in a county listed in Appendix A;
 - (b) the construction activity is initiated and completed, including either final or temporary stabilization of all disturbed areas, within the time frame identified in Appendix A for the location of the construction site;
 - (c) all temporary stabilization is adequately maintained to effectively reduce or prohibit erosion, final stabilization activities have been initiated and a condition, of final stabilization is completed no later than 30 days following the end date of the time frame identified in Appendix A for the location of the construction site;
 - (d) the permittee signs a completed construction site notice (Attachment 1 of this general permit), including the certification statement;
 - (e) a signed copy of the construction site notice is posted at the construction site in a location where it is readily available for viewing by the general public, local, state, and federal authorities prior to commencing construction activities, and maintained in that location until completion of the construction activity;
 - (f) a copy of the signed and certified construction site notice is provided to the operator of any municipal separate storm sewer system receiving the discharge at least two days prior to commencement of construction activities; and
 - (g) any supporting concrete batch plant or asphalt batch plant is separately authorized for discharges of storm water runoff or other non-storm water discharges under an individual TPDES permit, another TPDES general permit or under an individual TCEQ permit where storm water and non-storm water is disposed of by evaporation or irrigation (discharges are adjacent to water in the state).

2. Operators of small construction activities not described in Part II.D.1. above may be automatically authorized under this general permit, and operators of these sites are not required to submit an NOI provided they:
 - (a) develop a SWP3 according to the provisions of this general permit, that covers either the entire site or all portions of the site for which the applicant

is the operator, and implement that plan prior to commencing construction activities;

- (b) sign a completed construction site notice (Attachment 2 of this general permit);
 - (c) post a signed copy of the construction site notice at the construction site in a location where it is readily available for viewing by the general public, local, state, and federal authorities, prior to commencing construction activities, and maintain the notice in that location until completion of the construction activity; and
 - (d) provide a copy of the signed and certified construction site notice to the operator of any municipal separate storm sewer system receiving the discharge at least two days prior to commencement of construction activities.
3. Operators of all other construction activities that qualify for coverage under this general permit must:
- (a) develop a SWP3 according to the provisions of this general permit, that covers either the entire site or all portions of the site for which the applicant is the operator, and implement that plan prior to commencing construction activities;
 - (b) submit a Notice of Intent (NOI), using a form provided by the executive director, at least 2 days prior to commencing construction activities; or
 - (c) if the operator changes, or an additional operator is added after the initial NOI is submitted, the new operator must submit an NOI at least two (2) days before assuming operational control;
 - (d) post a copy of the NOI at the construction site in a location where it is readily available for viewing prior to commencing construction activities, and maintain the notice in that location until completion of the construction activity;
 - (e) provide a copy of the signed NOI to the operator of any municipal separate storm sewer system receiving the discharge, at least two (2) days prior to commencing construction activities; and
 - (f) implement the SWP3 prior to beginning construction activities.

4. Effective Date of Coverage

- (a) Operators of construction activities described in either Part II. D.1. or D.2. are authorized immediately following compliance with the conditions of Part II. D.1. or D.2. that are applicable to the construction activity.
- (b) Operators of all other construction activities eligible for coverage under this general permit, unless otherwise notified by the executive director, are provisionally authorized two (2) days from the date that a completed NOI is postmarked for delivery to the TCEQ. If electronic submission of the NOI is provided, and unless otherwise notified by the executive director, operators are provisionally authorized 24 hours following confirmation of receipt of the NOI by the TCEQ. Authorization is non-provisional when the executive director finds the NOI is administratively complete and an authorization number is issued for the activity.
- (c) Operators are not prohibited from submitting late NOIs or posting late notices to obtain authorization under this general permit. The TCEQ reserves the right to take appropriate enforcement actions for any unpermitted activities that may have occurred between the time construction commenced and authorization is obtained.

5. Notice of Change (NOC) Letter

If the operator becomes aware that it failed to submit any relevant facts, or submitted incorrect information in an NOI, the correct information must be provided to the executive director in a NOC letter within 14 days after discovery. If relevant information provided in the NOI changes, a NOC letter must be submitted within 14 days of the change. A copy of the NOC must be provided to the operator of any MS4 receiving the discharge.

6. Signatory Requirement for NOI Forms, Notice of Termination (NOT) Forms, NOC Letters, and Construction Site Notices

NOI forms, NOT forms, NOC letters, and Construction Site Notices must be signed according to 30 TAC § 305.44 (relating to Application for Permit).

7. Contents of the NOI

The NOI form shall require, at a minimum, the following information:

- (a) the name, address, and telephone number of the operator filing the NOI for permit coverage;
- (b) the name (or other identifier), address, county, and latitude/longitude of the construction project or site;

- (c) number of acres that will be disturbed (estimated to the largest whole number);
- (d) whether the project or site is located on Indian Country lands;
- (e) confirmation that a SWP3 has been developed and that the SWP3 will be compliant with any applicable local sediment and erosion control plans; and
- (f) name of the receiving water(s).

Section E. Application to Terminate Coverage

Each operator that has submitted an NOI for authorization under this general permit must apply to terminate that authorization following the conditions described in this section of the general permit. Authorization must be terminated by submitting a Notice of Termination (NOT) on a form supplied by the executive director. Authorization to discharge under this permit terminates at midnight on the day the NOT is postmarked for delivery to the TCEQ. If electronic submission of the NOT is provided, authorization to discharge under this permit terminates immediately following confirmation of receipt of the NOT by the TCEQ. Compliance with the conditions and requirements of this permit is required until an NOT is submitted.

1. Notice of Termination Required

The NOT must be submitted to TCEQ, and a copy of the NOT provided to the operator of any MS4 receiving the discharge, within thirty (30) days, after:

- (a) final stabilization has been achieved on all portions of the site that is the responsibility of the permittee; or
- (b) another permitted operator has assumed control over all areas of the site that have not been finally stabilized; and
- (c) all silt fences and other temporary erosion controls have either been removed, scheduled for removal as defined in the SWP3, or transferred to a new operator if the new operator has sought permit coverage. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.

2. Minimum Contents of the NOT

The NOT form shall require, at a minimum, the following information:

- (a) if authorization was granted following submission of a NOI, the permittees site-specific TPDES general permit number for the construction site;

- (b) an indication of whether the construction activity is completed or if the permittee is simply no longer an operator at the site;
- (c) the name, address and telephone number of the permittee submitting the NOT;
- (d) the name (or other identifier), address, county, and latitude/longitude of the construction project or site; and
- (e) a signed certification that either all storm water discharges requiring authorization under this general permit will no longer occur, or that the applicant to terminate coverage is no longer the operator of the facility or construction site, and that all temporary structural erosion controls have either been removed, will be removed on a schedule defined in the SWP3, or transferred to a new operator if the new operator has applied for permit coverage. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.

Section F. Waivers from Coverage

The executive director may waive the otherwise applicable requirements of this general permit for storm water discharges from small construction activities under the terms and conditions described in this section.

1. Waiver Applicability and Coverage

Operators of small construction activities may apply for and receive a waiver from the requirements to obtain authorization under this general permit where:

- (a) the calculated rainfall erosivity R factor for the entire period of the construction project is less than five (5);
- (b) the operator submits a signed waiver certification form, supplied by the executive director, certifying that the construction activity will commence and be completed within a period when the value of the calculated rainfall erosivity R factor is less than five (5); and
- (c) the waiver certification form is submitted to the TCEQ at least two (2) days before construction activity begins.

2. Effective Date of Waiver

Operators of small construction activities are provisionally waived from the otherwise applicable requirements of this general permit two (2) days from the date that a completed waiver certification form is postmarked for delivery to TCEQ.

3. Activities Extending Beyond the Waiver Period

If a construction activity extends beyond the approved waiver period due to circumstances beyond the control of the operator, the operator must either:

- (a) recalculate the rainfall erosivity factor R factor using the original start date and a new projected ending date, and if the R factor is still under five (5), submit a new waiver certification form at least two (2) days before the end of the original waiver period; or
- (b) obtain authorization under this general permit according to the requirements delineated in either Part II.D.2. or Part II.D.3. at least two (2) days before the end of the approved waiver period.

Section G. Alternative TPDES Permit Coverage

1. Individual Permit Alternative

Any discharge eligible for coverage under this general permit may alternatively be authorized under an individual TPDES permit according to 30 TAC Chapter 305 (relating to Consolidated Permits). Applications for individual permit coverage should be submitted at least three hundred and thirty (330) days prior to commencement of construction activities to ensure timely issuance.

2. Individual Permit Required

The executive director may suspend an authorization or NOI in accordance with the procedures set forth in 30 TAC Chapter 205, including the requirement that the executive director provide written notice to the permittee. The executive director may require an operator of a construction site, otherwise eligible for authorization under this general permit, to apply for an individual TPDES permit because of:

- (a) the conditions of an approved TMDL or TMDL implementation plan;
- (b) the activity is determined to cause a violation of water quality standards or is found to cause, or contribute to, the loss of a designated use of surface water in the state: and
- (c) any other considerations defined in 30 TAC Chapter 205 would include the provision at 30 TAC § 205.4(c)(3)(D), which allows TCEQ to deny authorization under the general permit and require an individual permit if a discharger “has been determined by the executive director to have been out of compliance with any rule, order, or permit of the commission, including non-payment of fees assessed by the executive director.”

3. Any discharge eligible for authorization under this general permit may alternatively be authorized under a separate, applicable general permit according to 30 TAC Chapter 205 (relating to General Permits for Waste Discharges).

Section H. Permit Expiration

This general permit shall be issued for a term not to exceed five (5) years. Following public notice and comment, as provided by 30 TAC § 205.3 (relating to Public Notice, Public Meetings, and Public Comment), the commission may amend, revoke, cancel, or renew this general permit. If the TCEQ publishes a notice of its intent to renew or amend this general permit before the expiration date, the permit will remain in effect for existing, authorized, discharges until the commission takes final action on the permit. Upon issuance of a renewed or amended permit, permittees may be required to submit an NOI within 90 days following the effective date of the renewed or amended permit, unless that permit provides for an alternative method for obtaining authorization.

In the event that the general permit is not renewed, discharges that are authorized under the general permit must obtain either a TPDES individual permit or coverage under an alternative general permit.

Part III. Storm Water Pollution Prevention Plans (SWP3)

Storm water pollution prevention plans must be prepared for storm water discharges that will reach Waters of the United States, including discharges to MS4 systems and privately owned separate storm sewer systems that drain to Waters of the United States, to identify and address potential sources of pollution that are reasonably expected to affect the quality of discharges from the construction site, including off-site material storage areas, overburden and stockpiles of dirt, borrow areas, equipment staging areas, vehicle repair areas, fueling areas, etc., used solely by the permitted project. The SWP3 must describe and ensure the implementation of practices that will be used to reduce the pollutants in storm water discharges associated with construction activity at the construction site and assure compliance with the terms and conditions of this permit.

Individual operators at a site may develop separate SWP3s that cover only their portion of the project provided reference is made to the other operators at the site. Where there is more than one SWP3 for a site, permittees must coordinate to ensure that BMPs and controls are consistent, and do not negate or impair the effectiveness of each other. Regardless of whether a single comprehensive SWP3 is developed, or separate SWP3s are developed for each operator, it is the responsibility of each operator to ensure that compliance with the terms and conditions of this general permit is met in the areas of the construction site where that operator has operational control over construction plans and specifications or day-to-day operational control.

Section A. Shared SWP3 Development

For more effective coordination of BMPs and opportunities for cost sharing, a cooperative effort by the different operators at a site is encouraged. Operators must independently submit an NOI and obtain authorization, but may work together to prepare and implement a single comprehensive SWP3 for the entire construction site.

1. The SWP3 must clearly list the name and, for large construction activities, the general permit authorization numbers, for each operator that participates in the shared SWP3. Until the TCEQ responds to receipt of the NOI with a general permit authorization number, the SWP3 must specify the date that the NOI was submitted to TCEQ by each operator. Each participant in the shared plan must also sign the SWP3.
2. The SWP3 must clearly indicate which operator is responsible for satisfying each shared requirement of the SWP3. If the responsibility for satisfying a requirement is not described in the plan, then each permittee is entirely responsible for meeting the requirement within the boundaries of the construction site where they perform construction activities. The SWP3 must clearly describe responsibilities for meeting each requirement in shared or common areas.

Section B. Responsibilities of Operators

1. Operators with Control Over Construction Plans and Specifications

All operators with operational control over construction plans and specifications to the extent necessary to meet the requirements and conditions of this general permit must:

- (a) ensure the project specifications allow or provide that adequate BMPs may be developed to meet the requirements of Part III of this general permit;
- (b) ensure that the SWP3 indicates the areas of the project where they have operational control over project specifications (including the ability to make modifications in specifications);
- (c) ensure all other operators affected by modifications in project specifications are notified in a timely manner such that those operators may modify best management practices as are necessary to remain compliant with the conditions of this general permit; and
- (d) ensure that the SWP3 for portions of the project where they are operators indicates the name and TPDES permit numbers for permittees with the day-to-day operational control over those activities necessary to ensure compliance with the SWP3 and other permit conditions. In the case that responsible parties have not been identified, the permittee with operational control over project specifications must be considered to be the responsible party until such time as the authority is transferred to another party and the plan is updated.

2. Operators with Day-to-Day Operational Control

Operators with day-to-day operational control of those activities at a project that are necessary to ensure compliance with a SWP3 and other permit conditions must:

- (a) ensure that the SWP3 for portions of the project where they are operators meets the requirements of this general permit;
- (b) ensure that the SWP3 identifies the parties responsible for implementation of best management practices described in the plan;
- (c) ensure that the SWP3 indicates areas of the project where they have operational control over day-to-day activities;
- (d) ensure that the SWP3 indicates, for areas where they have operational control over day-to-day activities, the name and TPDES permit number of the parties with operational control over project specifications (including the ability to make modifications in specifications).

Section C. Deadlines for SWP3 Preparation and Compliance

1. The SWP3 must be:

- (a) completed prior to obtaining authorization under this general permit;
- (b) implemented prior to commencing construction activities that result in soil disturbance;
- (c) updated as necessary to reflect the changing conditions of new operators, new areas of responsibility, and changes in best management practices; and
- (d) prepared so that it provides for compliance with the terms and conditions of this general permit.

Section D. Plan Review and Making Plans Available

- 1. The SWP3 must be retained on-site at the construction site or, if the site is inactive or does not have an on-site location to store the plan, a notice must be posted describing the location of the SWP3. The SWP3 must be made readily available at the time of an on-site inspection to: the executive director; a federal, state, or local agency approving sediment and erosion plans, grading plans, or storm water management plans; local government officials; and the operator of a municipal separate storm sewer receiving discharges from the site.
- 2. Operators of a large construction activity obtaining authorization to discharge through submission of a NOI must post a notice near the main entrance of the

construction site. If the construction project is a linear construction project (e.g. pipeline, highway, etc.), the notice must be placed in a publicly accessible location near where construction is actively underway. Notice for these linear sites may be relocated, as necessary, along the length of the project. The notice must be readily available for viewing by the general public, local, state, and federal authorities, and contain the following information:

- (a) the TPDES general permit number for the project (or a copy of the NOI that was submitted to the TCEQ if a permit number has not yet been assigned);
 - (b) the name and telephone number of a representative for the operator;
 - (c) a brief description of the project; and
 - (d) the location of the SWP3.
3. This permit does not provide the general public with any right to trespass on a construction site for any reason, including inspection of a site; nor does this permit require that permittees allow members of the general public access to a construction site.

Section E. Keeping Plans Current

The permittee must revise or update the storm water pollution prevention plan whenever:

1. there is a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants and that has not been previously addressed in the SWP3; or
2. results of inspections or investigations by site operators, operators of a municipal separate storm sewer system receiving the discharge, authorized TCEQ personnel, or a federal, state or local agency approving sediment and erosion plans indicate the SWP3 is proving ineffective in eliminating or significantly minimizing pollutants in discharges authorized under this general permit.

Section F. Contents of SWP3

The SWP3 must include, at a minimum, the information described in this section.

1. A site description, or project description must be developed to include:
 - (a) a description of the nature of the construction activity, potential pollutants and sources;
 - (b) a description of the intended schedule or sequence of major activities that will disturb soils for major portions of the site;

- (c) the total number of acres of the entire property and the total number of acres where construction activities will occur, including off-site material storage areas, overburden and stockpiles of dirt, and borrow areas;
- (d) data describing the soil or the quality of any discharge from the site;
- (e) a map showing the general location of the site (e.g. a portion of a city or county map);
- (f) a detailed site map (or maps) indicating the following:
 - (i) drainage patterns and approximate slopes anticipated after major grading activities;
 - (ii) areas where soil disturbance will occur;
 - (iii) locations of all major structural controls either planned or in place;
 - (iv) locations where stabilization practices are expected to be used;
 - (v) locations of off-site material, waste, borrow, fill, or equipment storage areas;
 - (vi) surface waters (including wetlands) either adjacent or in close proximity; and
 - (vii) locations where storm water discharges from the site directly to a surface water body.
- (g) the location and description of asphalt plants and concrete plants providing support to the construction site and authorized under this general permit;
- (h) the name of receiving waters at or near the site that will be disturbed or that will receive discharges from disturbed areas of the project; and
- (i) a copy of this TPDES general permit.

2. The SWP3 must describe the best management practices that will be used to minimize pollution in runoff. The description must identify the general timing or sequence for implementation. At a minimum, the description must include the following components:

- (a) Erosion and Sediment Controls
 - (i) Erosion and sediment controls must be designed to retain sediment on-site to the extent practicable with consideration for local

topography, soil type, and rainfall. Controls must also be designed and utilized to reduce the offsite transport of suspended sediments and other pollutants if it is necessary to pump or channel standing water from the site.

- (ii) Control measures must be properly selected, installed, and maintained according to the manufacturer's or designer's specifications. If periodic inspections or other information indicates a control has been used incorrectly, or that the control is performing inadequately, the operator must replace or modify the control as soon as practicable after discovery that the control has been used incorrectly, is performing inadequately, or is damaged.
- (iii) Sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50%.
- (iv) If sediment escapes the site, accumulations must be removed at a frequency to minimize further negative effects, and whenever feasible, prior to the next rain event.
- (v) Controls must be developed to limit, to the extent practicable, offsite transport of litter, construction debris, and construction materials.

(b) Stabilization Practices

The SWP3 must include a description of interim and permanent stabilization practices for the site, including a schedule of when the practices will be implemented. Site plans should ensure that existing vegetation is preserved where it is possible.

- (i) Stabilization practices may include but are not limited to: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of existing trees and vegetation, and other similar measures.
- (ii) The following records must be maintained and either attached to or referenced in the SWP3, and made readily available upon request to the parties in Part III.D.1 of this general permit:
 - (a) the dates when major grading activities occur;
 - (b) the dates when construction activities temporarily or permanently cease on a portion of the site; and

- (c) the dates when stabilization measures are initiated.
- (iii) Stabilization measures must be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and except as provided in (a) through (c) below, must be initiated no more than fourteen (14) days after the construction activity in that portion of the site has temporarily or permanently ceased.
 - (a) Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceased is precluded by snow cover or frozen ground conditions, stabilization measures must be initiated as soon as practicable.
 - (b) Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within twenty-one (21) days, temporary stabilization measures do not have to be initiated on that portion of site.
 - (c) In arid areas (areas with an average rainfall of 0 to 10 inches), semiarid areas (areas with an average annual rainfall of 10 to 20 inches), and areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonably arid conditions, stabilization measures must be initiated as soon as practicable.

3. Structural Control Practices

The SWP3 must include a description of any structural control practices used to divert flows away from exposed soils, to limit the contact of runoff with disturbed areas, or to lessen the off-site transport of eroded soils.

- (a) Sediment basins are required, where feasible for common drainage locations that serve an area with ten (10) or more acres disturbed at one time, a temporary (or permanent) sediment basin that provides storage for a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained, or equivalent control measures, shall be provided where attainable until final stabilization of the site. Where rainfall data is not available or a calculation cannot be performed, a temporary (or permanent) sediment basin providing 3,600 cubic feet of storage per acre drained is required where attainable until final stabilization of the site. When calculating the volume of runoff from a 2-year, 24-hour storm event, it is not required to include the flows from offsite areas and flow from onsite areas that are either undisturbed or have already undergone final stabilization, if

these flows are diverted around both the disturbed areas of the site and the sediment basin. In determining whether installing a sediment basin is feasible, the permittee may consider factors such as site soils, slope, available area on site, public safety, precipitation patterns, site geometry, site vegetation, infiltration capacity, geotechnical factors, depth to groundwater and other similar considerations. Where sediment basins are not feasible, equivalent control measures, which may include a series of smaller sediment basins, must be used. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries (and for those side slope boundaries deemed appropriate as dictated by individual site conditions) of the construction area.

- (b) Sediment traps and sediment basins may also be used to control solids in storm water runoff for drainage locations serving less than ten (10) acres. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries (and for those side slope boundaries deemed appropriate as dictated by individual site conditions) of the construction. Alternatively, a sediment basin that provides storage for a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained, or equivalent control measures, may be provided or where rainfall data is not available or a calculation cannot be performed, a temporary (or permanent) sediment basin providing 3,600 cubic feet of storage per acre drained may be provided.

4. Permanent Storm Water Controls

A description of any measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed must be included in the SWP3. Permittees are only responsible for the installation and maintenance of storm water management measures prior to final stabilization of the site or prior to submission of an NOT.

5. Other Controls

- (a) Off-site vehicle tracking of sediments and the generation of dust must be minimized.
- (b) The SWP3 must include a description of construction and waste materials expected to be stored on-site and a description of controls to reduce pollutants from these materials.
- (c) The SWP3 must include a description of pollutant sources from areas other than construction (including storm water discharges from dedicated asphalt plants and dedicated concrete plants), and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges.

- (d) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel to provide a non-erosive flow velocity from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected.
6. Approved State and Local Plans
- (a) Permittees must ensure the SWP3 is consistent with requirements specified in applicable sediment and erosion site plans or site permits, or storm water management site plans or site permits approved by federal, state, or local officials.
 - (b) SWP3s must be updated as necessary to remain consistent with any changes applicable to protecting surface water resources in sediment erosion site plans or site permits, or storm water management site plans or site permits approved by state or local official for which the permittee receives written notice.

7. Maintenance

All erosion and sediment control measures and other protective measures identified in the SWP3 must be maintained in effective operating condition. If through inspections the permittee determines that BMPs are not operating effectively, maintenance must be performed before the next anticipated storm event or as necessary to maintain the continued effectiveness of storm water controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable. Erosion and sediment controls that have been intentionally disabled, run-over, removed, or otherwise rendered ineffective must be replaced or corrected immediately upon discovery.

8. Inspections of Controls

In the event of flooding or other uncontrollable situations which prohibit access to the inspection sites, inspections must be conducted as soon as access is practicable

- (a) Personnel provided by the permittee and familiar with the SWP3 must inspect disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, and structural controls for evidence of, or the potential for, pollutants entering the drainage system. Sediment and erosion control measures identified in the SWP3 must be inspected to ensure that they are operating correctly. Locations where vehicles enter or exit the site must be inspected for evidence of off-site sediment tracking. Inspections must be conducted at least once every fourteen (14) calendar days and within twenty four (24) hours of the end of a storm event of 0.5 inches or greater.

Where sites have been finally or temporarily stabilized, where runoff is unlikely due to winter conditions (e.g. site is covered with snow, ice, or frozen ground exists), or during seasonal arid periods in arid areas (areas with an average annual rainfall of 0 to 10 inches) and semi-arid areas (areas with an average annual rainfall of 10 to 20 inches), inspections must be conducted at least once every month.

As an alternative to the above-described inspection schedule of once every fourteen (14) calendar days and within twenty four (24) hours of a storm event of 0.5 inches or greater, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, the inspection must occur on a specifically defined day, regardless of whether or not there has been a rainfall event since the previous inspection.

- (b) Utility line installation, pipeline construction, and other examples of long, narrow, linear construction activities may provide inspection personnel with limited access to the areas described in Part III.F.8.(a) above. Inspection of these areas could require that vehicles compromise temporarily or even permanently stabilized areas, cause additional disturbance of soils, and increase the potential for erosion. In these circumstances, controls must be inspected at least once every fourteen (14) calendar days and within twenty four (24) hours of the end of a storm event of 0.5 inches, but representative inspections may be performed. For representative inspections, personnel must inspect controls along the construction site for 0.25 mile above and below each access point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the areas described in Part III.F.8.(a) above. The conditions of the controls along each inspected 0.25 mile segment may be considered as representative of the condition of controls along that reach extending from the end of the 0.25 mile segment to either the end of the next 0.25 mile inspected segment, or to the end of the project, whichever occurs first.

As an alternative to the above-described inspection schedule of once every fourteen (14) calendar days and within twenty four (24) hours of a storm event of 0.5 inches or greater, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, the inspection must occur on a specifically defined day, regardless of whether or not there has been a rainfall event since the previous inspection.

- (c) The SWP3 must be modified based on the results of inspections, as necessary, to better control pollutants in runoff. Revisions to the SWP3 must be completed within seven (7) calendar days following the inspection. If existing BMPs are modified or if additional BMPs are necessary, an implementation schedule must be described in the SWP3 and wherever

possible those changes implemented before the next storm event. If implementation before the next anticipated storm event is impracticable, these changes must be implemented as soon as practicable.

- (d) A report summarizing the scope of the inspection, names and qualifications of personnel making the inspection, the dates of the inspection, and major observations relating to the implementation of the SWP3 must be made and retained as part of the SWP3. Major observations should include: The locations of discharges of sediment or other pollutants from the site; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed.

Actions taken as a result of inspections must be described within, and retained as a part of, the SWP3. Reports must identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the SWP3 and this permit. The report must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports)

- 9. The SWP3 must identify and ensure the implementation of appropriate pollution prevention measures for all eligible non-storm water components of the discharge.

Part IV. Numeric Effluent Limitations

Section A. Limitations

All discharges of storm water runoff from concrete batch plants that qualify for coverage, and that are authorized to discharge storm water under the provisions of this general permit must be monitored at the following monitoring frequency and comply with the following numeric effluent limitations:

<u>Parameter</u>	<u>Limitations</u> <u>Daily Maximum</u>	<u>Monitoring</u> <u>Frequency</u>
Total Suspended Solids	65 mg/l	1/Year*
Oil and Grease	15 mg/l	1/Year*
pH	between 6 and 9 standard units	1/Year*

* If discharge occurs.

Section B. Reporting Requirements

Results of monitoring for determining compliance with numeric effluent limitations must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form (Attachment 3 of this general permit), a duplicate of the form, or as otherwise provided by the executive director. Monitoring must be conducted prior to December 31st for each annual

monitoring period. A copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request, by March 31st following the end of each annual monitoring period. If the results indicate the violation of one or more of these numeric limitations, the permittee must also submit the DMR to the TCEQ's Information Resources Center (MC 212) by March 31st of each annual monitoring period.

Part V. Retention of Records

The permittee must retain the following records for a minimum period of three (3) years from the date that a NOT is submitted as required by Part II.D. For activities that are not required to submit an NOT, records shall be retained for a minimum period of three (3) years from the date that either: final stabilization has been achieved on all portions of the site that is the responsibility of the permittee; or another permitted operator has assumed control according to over all areas of the site that have not been finally stabilized. Records include:

1. A copy of the SWP3 plan.
2. All reports and actions required by this permit, including a copy of the construction site notice.
3. All data used to complete the NOI, if an NOI is required for coverage under this general permit.

Part VI. Standard Permit Conditions

1. The permittee has a duty to comply with all permit conditions. Failure to comply with any permit condition is a violation of the permit and statutes under which it was issued, and is grounds for enforcement action, for terminating coverage under this general permit, or for requiring a discharger to apply for and obtain an individual TPDES permit.
2. Authorization under this general permit may be suspended or revoked for cause. Filing a notice of planned changes or anticipated non-compliance by the permittee does not stay any permit condition. The permittee must furnish to the executive director, upon request and within a reasonable time, any information necessary for the executive director to determine whether cause exists for revoking, suspending, or terminating authorization under this permit. Additionally, the permittee must provide to the executive director, upon request, copies of all records that the permittee is required to maintain as a condition of this general permit.
3. It is not a defense for a discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the permit conditions.
4. Inspection and entry shall be allowed under Texas Water Code Chapters 26-28, Health and Safety Code §§ 361.032-361.033 and 361.037, and 40 Code of Federal Regulations (CFR) §122.41(i). The statement in Texas Water Code § 26.014 that commission entry of a facility shall occur according to an establishment's rules and regulations concerning safety, internal security, and fire protection is not grounds for denial or restriction of entry to any part of the

facility or site, but merely describes the commission's duty to observe appropriate rules and regulations during an inspection.

5. The discharger is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§ 26.136, 26.212, and 26.213 for violations including but not limited to the following:
 - a. negligently or knowingly violating CWA, §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under CWA, § 402, or any requirement imposed in a pretreatment program approved under CWA, §§ 402(a)(3) or 402(b)(8);
 - b. knowingly making any false statement, representation, or certification in any record or other document submitted or required to be maintained under a permit, including monitoring reports or reports of compliance or noncompliance.
6. All reports and other information requested by the executive director must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).
7. Authorization under this general permit does not convey property or water rights of any sort and does not grant any exclusive privilege.

Part VII. Fees

Section A. Application Fees

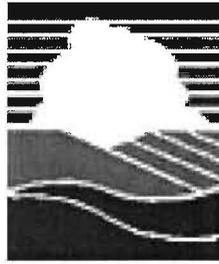
An application fee of \$100 must be submitted with each NOI for coverage of a large construction activity. A fee is not required for submission of an NOT or NOC letter.

Section B. Water Quality Fees

Large construction activities authorized under this general permit must pay an annual Water Quality Fee of \$100 under Texas Water Code 26.0291 and according to TAC Chapter 205 (relating to General Permits for Waste Discharges).

Appendix A.
Periods of Low Erosion Potential by County

<u>Start Date - End Date</u>	<u>Start Date - End Date</u>	<u>Start Date - End Date</u>
Dec. 15 - Feb. 14	Nov. 15 - Apr. 30	Nov. 15 - Jan. 14 or Feb. 1 - Mar. 30
Archer	Andrews	Crockett
Baylor	Armstrong	Dickens
Brown	Borden	Kent
Callahan	Brewster	Motley
Childress	Briscoe	Val Verde
Coke	Carson	
Coleman	Castro	<u>Start Date - End Date</u>
Concho	Crane	Nov. 1 - Apr. 14 or Nov. 15 - Apr. 30
Cottle	Crosby	Dallam
Dimmit	Dawson	Hockley
Eastland	Deaf Smith	Lamb
Edwards	Ector	Parmer
Fisher	Floyd	Ward
Foard	Gaines	
Hardeman	Garza	<u>Start Date - End Date</u>
Haskell	Glasscock	Nov. 1 - Apr. 30 or Nov. 15 - May. 14
Irion	Hale	Bailey
Jones	Hansford	Cochran
Kerr	Hartley	Jeff Davis
Kimble	Howard	Loving
King	Hutchinson	Presidio
Kinney	Lubbock	Reeves
Knox	Lynn	Winkler
Mason	Martin	Yoakum
Maverick	Midland	
McCulloch	Mitchell	<u>Start Date - End Date</u>
Menard	Moore	Nov. 1 - May. 14
Nolan	Oldham	Culberson
Real	Pecos	Hudspeth
Runnels	Potter	
Schleicher	Randall	<u>Start Date - End Date</u>
Shackelford	Reagan	Jan. 1 - Jul. 14 or May. 15 - Jul. 31 or
Stephens	Scurry	Jun. 1 - Aug. 14 or Jun. 15 - Sept. 14 or
Stonewall	Sherman	Jul. 1 - Oct. 14 or Jul. 15 - Oct. 31 or
Sutton	Sterling	Aug. 1 - Apr. 30 or Aug. 15 - May. 14 or
Taylor	Swisher	Sept. 1 - May. 30 or Oct. 1 - Jun. 14 or
Throckmorton	Terrell	Nov. 1 - Jun. 30 or Nov. 15 - Jul. 14
Tom Green	Terry	El Paso
Uvalde	Upton	
Wichita		<u>Start Date - End Date</u>
Wilbarger	<u>Start Date - End Date</u>	Jan. 1 - Mar. 30 or Dec. 1 - Feb. 28
Young	Feb. 1 - Mar. 30	Collingsworth Wheeler
Zavala	Hall	Donley
		Gray
		Hemphill
		Lipscomb
		Ochiltree
		Roberts



CONSTRUCTION SITE NOTICE

FOR THE
Texas Commission on Environmental Quality (TCEQ)
Storm Water Program
TPDES GENERAL PERMIT TXR150000

The following information is posted in compliance with **Part II.D.1.** of the TCEQ General Permit Number TXR150000 for discharges of storm water runoff from construction sites. Additional information regarding the TCEQ storm water permit program may be found on the internet at:

www.tnrcc.state.tx.us/permitting/waterperm/wwperm/tpdestorm

Contact Name and Phone Number:	
Project Description: (Physical address or description of the site's location, estimated start date and projected end date, or date that disturbed soils will be stabilized)	

For Construction Sites Authorized Under Part II.D.1. the following certification must be completed:

I _____ (Typed or Printed Name Person Completing This Certification) certify under penalty of law that I have read and understand the eligibility requirements for claiming an authorization by waiver under Part II.D.1. of TPDES General Permit TXR150000 and agree to comply with the terms of this permit. Construction activities at this site shall occur within a time period listed in Appendix A of the TPDES general permit for this county, that period beginning on _____ and ending on _____. I understand that if construction activities continue past this period, all storm water runoff must be authorized under a separate provision of this general permit. A copy of this signed notice is supplied to the operator of the MS4 if discharges enter an MS4 system. I am aware there are significant penalties for providing false information or for conducting unauthorized discharges, including the possibility of fine and imprisonment for knowing violations.

Signature and Title

Date



CONSTRUCTION SITE NOTICE

FOR THE
 Texas Commission on Environmental Quality (TCEQ)
 Storm Water Program

TPDES GENERAL PERMIT TXR150000

The following information is posted in compliance with **Part II.D.2.** of the TCEQ General Permit Number TXR150000 for discharges of storm water runoff from construction sites. Additional information regarding the TCEQ storm water permit program may be found on the internet at:

www.tnrcc.state.tx.us/permitting/waterperm/wwperm/tpdestorm

Contact Name and Phone Number:	
Project Description: ((Physical address or description of the site's location, estimated start date and projected end date, or date that disturbed soils will be stabilized)	
Location of Storm Water Pollution Prevention Plan :	

For Construction Sites Authorized Under Part II.D.2. (Obtaining Authorization to Discharge) the following certification must be completed:

I _____ (Typed or Printed Name Person Completing This Certification) certify under penalty of law that I have read and understand the eligibility requirements for claiming an authorization under Part II.D.2. of TPDES General Permit TXR150000 and agree to comply with the terms of this permit. A storm water pollution prevention plan has been developed and implemented according to permit requirements. A copy of this signed notice is supplied to the operator of the MS4 if discharges enter an MS4 system. I am aware there are significant penalties for providing false information or for conducting unauthorized discharges, including the possibility of fine and imprisonment for knowing violations.

 Signature and Title

 Date

CONCRETE BATCH FACILITIES

STW/ TXR15_____ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/TXR15 00123/ CO

NAME

DISCHARGE MONITORING REPORT (DMR)

ADDRESS

(2-16)

(17-19)

PERMIT NUMBER

DISCHARGE NUMBER

Mail to: TCEQ (MC 212)
P.O. Box 13087
Austin, TX 78711-3087

FACILITY LOCATION

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
(20-21)	01	01	(26-27)	12	31
(22-23)		(24-25)	(28-29)		(30-31)

PARAMETER (32-37)	SAMPLE MEASUREMENT / REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	SAMPLE REQUIREMENT	*****	*****	*****	*****	*****	65 Daily Max	mg/l		1/Year	Grab
Oil & Grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	SAMPLE REQUIREMENT	*****	*****	*****	*****	*****	15 Daily Max	mg/l		1/Year	Grab
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	SAMPLE REQUIREMENT	*****	*****	*****	*****	*****	6.0 - 9.0 Range	S.U.		1/Year	Grab
	SAMPLE MEASUREMENT										
	SAMPLE REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	<small>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 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.</small>	TELEPHONE		DATE			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

C. APPLICATION CONTACT (If TCEQ needs additional information regarding this application, who should be contacted?)		
1. Name: Stephen Jackson	Title: Engineering Designer	Company: M&S Engineering
2. Phone No.: (830) 228-5446	Extension:	
3. FAX No. 830-885-2170	E-mail Address: sjackson@msenr.com	
D. REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE		
1. TCEQ Issued RE Reference Number (RN) (if available):		
2. Name of Project or Site: Highway 281 Business Park		
3. Physical Address of Project or Site: (enter in spaces below)		
Street Number:	Street Name: Highway 281	
City (nearest to the site): Spring Branch	ZIP Code (nearest to the site): 78070	County (Counties if >1):
4. If no physical address (Street Number & Street Name), provide a written location access description that can be used for locating the site: (Ex.: 2 miles west from intersection of Hwy 290 & IH35 on Hwy 290 South)		
From the intersection of US Hwy 281 and FM 311 proceed 1.5 miles north. The proposed business park will be on your left.		
5. Latitude: 29.54.01	N	Longitude: 98.24.43 W
6. Standard Industrial Classification (SIC) code: 1542		
7. Describe the activity related to the need for this authorization at this site (do not repeat the SIC and NAICS code): Commercial Business Park		
8. Is the project/site located on Indian Country Lands? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, you must obtain authorization through EPA, Region VI.		
E. SITE MAILING ADDRESS (address for receiving mail at the site)		
<input checked="" type="checkbox"/> Same As Operator (check if address is the same, then proceed with Section F.)		
Mailing Address:		Suite No./Bldg.No.:
City:	State:	ZIP Code:
F. GENERAL CHARACTERISTICS		
1. Has a Pollution Prevention Plan been prepared as required in the general permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, coverage may be denied as the PPP is required at the time the NOI is submitted to TCEQ.		
2. Provide the estimated area of land disturbed (to the nearest acre): 23.8 Acres		
3. Provide the name of the receiving water body (local stream, lake, drainage ditch), MS4 Operator (if applicable) and the segment number where storm water runoff will flow from the construction site. MS4 Operator: _____ Receiving Water Body: Cypress Creek Segment: _____		

G. CERTIFICATION

I, _____
Typed or printed name *Title (Required)*

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 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signature: _____ Date: _____
(Use Blue Ink)

Did you complete everything? Use this checklist to be sure!

Are you ready to mail your form to TCEQ? Go to the General Information Section of the Instructions for mailing addresses.

Have you also mailed your check and Payment Submittal Form to the Cashier's office? Go to the end of this document for the Payment Submittal Form.

Customer GP TXR150000 Notice of Intent Checklist	
<input checked="" type="checkbox"/>	This checklist is for use by the operator to ensure a complete application. Missing information may result in denial of coverage under the general permit. (See NOI Process description in the Instructions)
<input type="checkbox"/>	Application Fee was sent to TCEQ's Financial Administration and the check information is listed.
<input type="checkbox"/>	<p>OPERATOR INFORMATION - Confirm each item is complete:</p> <p><input checked="" type="checkbox"/></p> <p><input type="checkbox"/> Customer Number issued by TCEQ Central Registry (if you have it)</p> <p><input type="checkbox"/> Legal Name as filed to do business in Texas (Call TX SOS 512/463-5555)</p> <p><input type="checkbox"/> Operator Mailing Address is complete & verifiable with USPS. www.usps.com</p> <p><input type="checkbox"/> Phone Numbers/E-mail</p> <p><input type="checkbox"/> Type of Operator (Entity Type)</p> <p><input type="checkbox"/> Independent Operator</p> <p><input type="checkbox"/> Number of Employees</p> <p><input type="checkbox"/> For Corporations or Limited Partnerships - Tax and Filing numbers</p>
<input type="checkbox"/>	Billing Address is complete & verifiable with USPS. www.usps.com
<input type="checkbox"/>	Application Contact - a contact person for TCEQ to call is listed
<input type="checkbox"/>	<p>REGULATED ENTITY (RE) INFORMATION - Confirm each item is complete:</p> <p><input checked="" type="checkbox"/></p> <p><input type="checkbox"/> Regulated Entity Reference Number (RN) (if you have it)</p> <p><input type="checkbox"/> Site/Project Name/Regulated Entity</p> <p><input type="checkbox"/> Site/Project (RE) Physical Address Please do not use a rural route or post office box for a site location</p> <p><input type="checkbox"/> Latitude and Longitude http://www.tncc.state.tx.us/gis/drgview.html or www.terraserver.microsoft.com/advfind.aspx.</p> <p><input type="checkbox"/> Standard Industrial Classification (SIC) code http://www.osha.gov/oshstats/sicser.html and business description</p> <p><input type="checkbox"/> Indian Country Lands - your answer was NO</p> <p><input type="checkbox"/> Site Mailing Address (checked same as operator or gave a complete & verifiable with USPS. www.usps.com)</p>
<input type="checkbox"/>	<p>GENERAL CHARACTERISTICS - Confirm each item is complete:</p> <p><input checked="" type="checkbox"/></p> <p><input type="checkbox"/> Pollution Prevention Plan (PPP) must be "Yes"</p> <p><input type="checkbox"/> Area of Land Disturbed (nearest acre)</p> <p><input type="checkbox"/> MS4 Operator, Receiving Water Body or Segment</p>
<input type="checkbox"/>	<p>CERTIFICATION</p> <p>Signature meets 30 Texas Administrative Code (TAC) §305.44 and is original.</p>



Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity under the TPDES General Permit (TXR150000)

General Information and Instructions

GENERAL

INFORMATION

Where to Send the Notice of Intent (NOI):

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Storm Water & Pretreatment Team; MC-228
P.O. Box 13087
Austin, Texas 78711-3087

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Storm Water & Pretreatment Team; MC-228
12100 Park 35 Circle
Austin, TX 78753

It is recommended that the NOI be mailed using a method that documents the date mailed.

TCEQ Contact list:

Application Processing Questions relating to the status and form requirements:	512/239-3700 & E-mail at "swpermit@tceq.state.tx.us"
Technical Questions relating to the general permit:	512/239-4671
Environmental Law Division:	512/239-0600
Central Records for obtaining copies of forms submitted to TCEQ:	512/239-0900
Information Services for obtaining reports from program data bases(as available):	512/239-DATA (3282)
Financial Administration's Cashier's office for receipt of payment:	512/239- 0357 or 512/239-0187

Notice of Intent Process:

When your NOI is received by the program, the form will be processed as follows:

- Administrative Review:** Each item on the form will be reviewed for a complete response. In addition, the operator's legal number must be verified with Texas Secretary of State as valid and active (when applicable). The address on the form must be verified with the US Postal service as an address receiving regular mail delivery (never give an overnight/express mailing address).
 - Notice of Deficiency:** If an item is incomplete or not verifiable as indicated above, a notice of deficiency (NOD) will be mailed to the operator. The operator will have 30 days to respond to the NOD. The response will be reviewed for completeness; and if complete,
 - Acknowledge Coverage:** We will mail an Acknowledgment Certificate to the operator. This certificate acknowledges coverage under the general permit.
- or-
- Denial of Coverage:** If the operator fails to respond to the NOD, we may deny coverage under the general permit. If coverage is denied, we will notify the operator.

General Permit (Your Permit)

Provisional coverage under the general permit begins two days following the date that the NOI was postmarked. You should have a copy of the general permit when submitting your application. You may view and print the general permit for which you are seeking coverage on the TCEQ web site www.tceq.state.tx.us.

General Permit Forms

The Notice of Intent and Notice of Termination forms (with instructions) are available in Adobe Acrobat PDF format on the TCEQ web site www.tceq.state.tx.us.

Change in Operator

An authorization under the general permit is not transferable. If the operator of the regulated entity changes, the present permittee must submit a Notice of Termination and the new operator must submit a Notice of Intent. The NOT and NOI must be submitted not later than 10 days prior to the change in operator status.

Notice of Change

A Notice of Change letter must be submitted with supplemental or corrected information within 14 days following the time when the operator becomes aware that it failed to submit any relevant facts or incorrect information in the NOI; or the time when relevant facts in the NOI change (i.e. addresses, or phone numbers).

Notice of Termination

A permittee shall terminate coverage under this general permit through the submittal of a NOT when the operator or owner of the facility changes, the discharge becomes authorized under an individual permit, or the use of the property changes and is no longer subject to regulation under this general permit.

TCEQ Central Registry Core Data Form

The Core Data Form has been incorporated into this form. Do not complete and attach a core data form when submitting this application. After final acknowledgment of coverage under the general permit, the program will transfer the core data to the agency Central Registry for assignment of a Customer Number and Regulated Entity Number. You can find this information on our web site at www.tceq.state.tx.us, where you can query the Central Registry under the regulated entity number, or by your permit number under the search field labeled "Additional ID".

Fees are associated with a General Permit

The general permit refers to two different fees that apply to operators required to submit a Notice of Intent (NOI). Payment of the fees may be made by check or money order, payable to TCEQ.

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, TX 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, TX 78753

Application Fee: This is a fee that is required to be paid at the time the NOI is submitted. Failure to submit the payment at the time the application is filed will cause delays in acknowledging coverage or denial of cover under the general permit. This payment must be submitted separately using the Payment Submittal Form. If submitting one check or money order for multiple NOI's, list each site name and location exactly as provided on the NOI.

Annual Water Quality Fee: This is a fee that is assessed to operators with an active authorization under the general permit on September 1 of each year. The operator will receive an invoice for payment of the annual fee in November of each year. The payment will be due 30 days from the invoice date. A 5% penalty will be assessed if the payment is received by TCEQ after the due date. Annual fee assessments cannot be waived as long as the authorization under the general permit is active on September 1. It's important for the operator to submit a Notice of Termination (NOT) when coverage under the general permit is no longer required. A NOT is effective on the postmarked date of mailing the form to TCEQ. It is recommended that the NOT be mailed using a method that documents the date mailed.

INSTRUCTIONS FOR FILLING OUT THE FORM

A. OPERATOR (As defined in the general permit.)**1. TCEQ Issued Customer Number (CN)**

TCEQ's Central Registry will assign each customer a number that begins with "CN," followed by nine digits. **This is not a permit number, registration number, or license number.**

- If this customer has not been assigned a Customer Reference Number, leave the space for the Customer Reference Number blank.
- If this customer has already been assigned this number, enter the operator's Customer Reference Number in the space provided.

2. Legal Name

Provide the legal name of the facility operator, as authorized to do business in Texas. The name must be provided exactly as filed with the Texas Secretary of State (SOS), or on other legal document forming the entity that is filed in the county where doing business. You may contact the SOS at 512/463-5555, for more information related to filing in Texas. If filed in the county where doing business, provide a copy of the legal documents showing the legal name.

3. Operator Mailing Address

Provide a complete mailing address for this customer to receive mail from the TCEQ. The address must be verifiable with the US Postal Service at www.usps.com for regular mail delivery (not overnight express mail). If you find that the address is not verifiable using the USPS web search, please indicate the address is used by the USPS for regular mail delivery.

If this is a street address, please follow US Postal Service standards. In brief, these standards require this information in this order:

- # the "house" number—for example, the 1401 in
1401 Main St
- # if there is a direction before the street name, the one- or two-letter abbreviation of that direction (N, S, E, W, NE, SE, SW, or NW)
- # the street name (if a numbered street, do not spell out the number—for example, 6th St, not Sixth St)
- # an appropriate abbreviation of the type of street—for example, St, Ave, Blvd, Fwy, Exwy, Hwy, Cr, Ct, Ln
- # if there is a direction after the street name, the one- or two-letter abbreviation of that direction (N, S, E, W, NE, SE, SW, or NW)
- # if there is a room number, suite number, or company mail code

City, State, and ZIP Code

Enter the name of the city, the two-letter USPS abbreviation for the state (for example, TX), and the ZIP Code. (Enter the full ZIP+4 if you know it.)

Country Mailing Information

If this address is *outside* the United States, enter the territory name, country code, and any non-ZIP mailing codes or other non-U.S. Postal Service features here. If this address is *inside* the United States, leave these spaces blank.

Operator Electronic Communications

4. Phone Number

This number should correspond to this customer's mailing address given earlier. Enter the area code and phone number here. Leave "Extension" blank if this customer's phone system lacks this feature.

5. Fax Number and E-mail Address

This number and E-mail address should correspond to operator's mailing address given earlier. (Optional Information)

6. Type of Operator

Check only one box that identifies the type of entity. Use the descriptions below to identify the appropriate entity type:

Individual	is a person and has not established a business to do whatever causes them to be regulated by us.
Sole Proprietorship— D.B.A.	is a business that is owned by only one person and has not been incorporated. This business may: <ul style="list-style-type: none">• be under the person's name• have its own name ("doing business as," or d.b.a.)• have any number of employees
Partnership	is a business that is established as a partnership as defined by the Texas Secretary of State's Office.
Corporation	meets all of these conditions: <ul style="list-style-type: none">• is a legally incorporated entity under the laws of any state or country• is recognized as a corporation by the Texas Secretary of State• has proper operating authority to operate in Texas.
Federal, state, county, or city government (as appropriate)	is either an agency of one of these levels of government or the governmental body itself.
Other	fits none of the above descriptions. Enter a short description of the type of customer in the blank provided.

7. Independent Operator

Check "No" if this customer is a subsidiary, part of a larger company, or is a governmental entity. Otherwise, check "Yes."

8. Number of Employees

Check one box to show the number of employees for this customer's entire company, at all locations. This is not necessarily the number of employees at the site named in this NOI.

9. State Franchise Tax ID Number Corporations and limited liability companies that operate in Texas are issued a franchise tax identification number. If this customer is a corporation or limited liability company, enter this number here.

Federal Tax ID All businesses, except for some small sole proprietors, should have a federal taxpayer identification number (TIN). Enter this number here. Use no prefixes, dashes, or hyphens. Individuals and sole proprietors do not need to provide a federal tax ID.

TX SOS Charter (filing) Number Corporations and Limited Partnerships required to register with the Texas Secretary of State are issued a charter or filing number. You may obtain further information by calling SOS at 512/463-5555 or www.sos.state.tx.us

DUNS Number Most businesses have a DUNS (Data Universal Numbering System) number issued by Dun and Bradstreet Corp. If this customer has one, enter it here.



B. BILLING ADDRESS
An annual fee is assessed to an operator holding an active authorization under the general permit September 1 of each year. Provide the complete mailing address where the annual fee invoice should be mailed. Verify the address with the USPS ensuring it to be an address for delivery of regular mail (not overnight express mail). Also, provide a phone number of the office responsible for payment of the invoice. The operator is the responsible billing client for payment of annual fee.



C. APPLICATION CONTACT
Provide the name, title and communication information of the person that TCEQ can contact for additional information regarding this application.



D. REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE

1. Regulated Entity Reference Number (RN)
This is a number issued by TCEQ's Central Registry to sites regulated by TCEQ (a location where a regulated activity occurs). **This is not a permit number, registration number, or license number.**

- If this Regulated Entity has not been assigned a Regulated Entity Number, leave the space for the Regulated Entity Number blank.
- If this customer has already been assigned this number, enter the operator's Regulated Entity Number.

2. Site/Project Name/Regulated Entity
Provide the name of the site as known by the public in the area where the site is located. The name you provide on this application will be used in the TCEQ Central Registry as the Regulated Entity. A regulated entity number will be assigned by Central Registry, if this is a new site (not currently regulated by TCEQ).

3. Site/Project (RE) Physical Address
Enter the complete address of where the site is located. This address must be validated through US Postal Service or your local police (911 service) as a valid address. Please confirm this to be a complete and valid address. In some rural areas, new addresses are being assigned to replace rural route addresses. **Please do not use a rural route or post office box for a site location.**

Provide the county, city and ZIP code of the area where the project/site is located. This information is required to complete the processing of your form.

4. No Physical Address
If a site does not have an actual physical address that includes a street (or house) number and street name, enter NO ADDRESS for the street name. Then provide a complete written location access description. *For example:* "The site is located 2 miles west from intersection of Hwy 290 & IH35, locate on the southwest corner of the Hwy 290 South bound lane."

For projects/sites that includes a large project area, describe the project. *For example:* "State Highway 45 road project between Highway 620 and IH 35."

5. Latitude and Longitude

Enter the latitude and longitude of the site in either degrees, minutes, and seconds or decimal form. For help obtaining the latitude and longitude, go to: <http://www.tnrcc.state.tx.us/gis/drgview.html> or www.terraserver.microsoft.com/advfind.aspx.

6. Standard Industrial Classification (SIC) code

Provide the SIC code that best describes the activity being conducted at the site.

Common SIC Codes related to construction activities include: 1521 Construction of Single Family Homes; 1522 Construction of Residential Bldgs. Other than Single Family Homes; 1541 Construction of Industrial Bldgs. and Warehouses; 1542 Construction of Non-residential Bldgs. other than Industrial Bldgs. and Warehouses; 1611 Highway & Street Construction, except Highway Construction; 1622 Bridge, Tunnel, & Elevated Highway Construction; 1623 Water, Sewer, Pipeline & Communications, and Power Line Construction.

For help with SIC codes, go to: <http://www.osha.gov/oshstats/sicser.html>

7. Description of Activity Regulated

Provide a description of the activity being conducted at the site. This must be a description specific to what you are doing that requires this authorization. (Do not repeat the SIC Code)

8. Indian Country Lands

If your site is located on Indian Country Lands, the TCEQ does not have authority to process your application. You must obtain authorization through EPA, Region VI, Dallas. **Do not submit this form to TCEQ.**

E. SITE MAILING ADDRESS

Provide a complete mailing address to be used by TCEQ for receiving mail at the site. In most cases, the address is the same as the operator. If so, simply place a check mark in the box. If you provide a different address, please verify the address with USPS as noted above for the operator address.

F. GENERAL CHARACTERISTICS

1. Pollution Prevention Plan (PPP)

This plan identifies the areas and activities that could produce contaminated runoff at your site and then tells how you will ensure that this contamination is mitigated. For example, in describing your mitigation measures, your site's plan might identify the devices that collect and filter storm water, tell how those devices are to be maintained, and tell how frequently that maintenance is to be carried out. **You must develop this plan in accordance with the TCEQ general permit requirements. This plan must be developed and implemented before you complete this NOI.** This plan must be available for a TCEQ investigator to review on request.

2. Estimated Area of Land Disturbed

Provide the approximate number of acres that the construction site will disturb. Construction activities that disturb less than one acres, unless they are part of a larger common plan that disturbs more than one acre, do not require permit coverage. Construction activities that disturb between one and five acres, unless they are part of a common plan that disturbs more than five acres, do not require submission of an NOI. Therefore, the estimated area of land disturbed should not be less than five, unless the project is part of a larger common plan that disturbs five or more acres. If the acreage is less than 1, enter 1. "Disturb" means any clearing, grading, excavating, or other similar activities. If you have any questions about this item, please call the storm water technical staff at (512)239-4671.

3. Receiving Water Body

The storm water from your site eventually reaches a receiving water body such as a local stream or lake, possibly via a drainage ditch. The discharge may initially be into a municipal separate storm sewer system (MS4). If applicable, provide the name of the entity that operates the MS4 where the storm water discharges. An MS4 operator is often a city, town, or utility district, but possibly another form of government.

You must provide the name of the water body that receives the discharge from the construction site (a local stream or lake). Storm water may be discharged directly to a receiving stream or through a MS4. If known, please include the segment number if the discharge is to a classified water body.

G. OPERATOR CERTIFICATION

The certification must bear an original signature of a person meeting the signatory requirements specified in under 30 Texas Administrative Code (TAC) §305.44. The printed name and title of the person signing the form must be provided. NOI forms with stamped or copied signatures will not be processed.

IF YOU ARE A CORPORATION:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(1) (see below). According to this code provision, any corporate representative may sign an NOI or similar form so long as the authority to sign such a document has been delegated to that person in accordance with corporate procedures. By signing the NOI or similar form, you are certifying that such authority has been delegated to you. The TCEQ may request documentation evidencing such authority.

IF YOU ARE A MUNICIPALITY OR OTHER GOVERNMENT ENTITY:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(3) (see below). According to this code provision, only a ranking elected official or principal executive officer may sign an NOI or similar form. Persons such as the City Mayor or County Commissioner will be considered ranking elected officials. In order to identify the principal executive officer of your government entity, it may be beneficial to consult your city charter, county or city ordinances, or the Texas statute(s) under which your government entity was formed. An NOI or similar document that is signed by a government official who is not a ranking elected official or principal executive officer does not conform to §305.44(a)(3). The signatory requirement may not be delegated to a government representative other than those identified in the regulation. By signing the NOI or similar form, you are certifying that you are either a ranking elected official or principal executive officer as required by the administrative code. Documentation demonstrating your position as a ranking elected official or principal executive officer may be requested by the TCEQ.

If you have any questions or need additional information concerning the signatory requirements discussed above, please contact the Texas Commission on Environmental Quality's Environmental Law Division at 512/239-0600.

30 Texas Administrative Code

§305.44. Signatories to Applications.

(a) All applications shall be signed as follows.

(1) For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post-closure order applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

(2) For a partnership or sole proprietorship, the application shall be signed by a general partner or the proprietor, respectively.

(3) For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrator of the EPA).

**Texas Commission on Environmental Quality
General Permit Payment Submittal Form**

Use this form to submit your Application Fee.

- Complete items 1 through 4 below:
- Staple your check in the space provided at the bottom of this document.
- Do not mail this form with your NOI form.
- Do not mail this form to the same address as your NOI. Instead, mail this form and your check to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, TX 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, TX 78753

To confirm receipt of payment, call the Cashier's office at 512/239- 0357 or 239-0187.

Fee Code: GPA

General Permit: TXR150000

1. Check / Money Order No:

2. Amount of Check/Money Order:

3. Date of Check or Money Order:

4. Name on Check or Money Order:

5. NOI INFORMATION

If the check is for more than one NOI, list each Project/Site (RE) Name and Physical Address exactly as provided on the NOI. **DO NOT SUBMIT A COPY OF THE NOI WITH THIS FORM AS IT COULD CAUSE DUPLICATE PERMIT ENTRIES.**

See Attached List of Sites *(If more space is needed, you may attach a list.)*

Project/Site (RE) Name:

Project/Site (RE) Physical Address:

Staple Check In This Space

Agent Authorization Form
For Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

I Luke Wilburn
Print Name

Pres
Title - Owner/President/Other

of Timberline Properties Inc
Corporation/Partnership/Entity Name

have authorized MOS Engineering
Print Name of Agent/Engineer

of MOS Engineering
Print Name of Firm

to represent and act on the behalf of the above named Corporation, Partnership, or Entity for the purpose of preparing and submitting this plan application to the Texas Commission on Environmental Quality (TCEQ) for the review and approval consideration of regulated activities.

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to \$10,000 per day per violation.
2. For applicants who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.
3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.

4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.

[Handwritten Signature]
Applicant's Signature

12-7-07
Date

THE STATE OF Texas §

County of Comal §

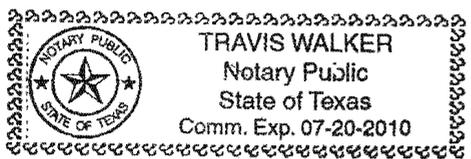
BEFORE ME, the undersigned authority, on this day personally appeared LYKE W. BURR known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 7 day of December, 2007.

[Handwritten Signature: Travis Walker]
NOTARY PUBLIC

Travis Walker
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 7-20-10



Texas Commission on Environmental Quality
Edwards Aquifer Protection Program
Contributing Zone Fee Application Form

NAME OF PROPOSED REGULATED ENTITY: SPRING BRANCH HWY 281 BUSINESS PARK
REGULATED ENTITY LOCATION: HWY 281 NORTH
NAME OF CUSTOMER: LUKE WILBURN
CONTACT PERSON: LANCE KLEIN, C.F.M. PHONE: (830) 228-5446
(Please Print)

Customer Reference Number (if issued): CN _____ (nine digits)
Regulated Entity Reference Number (if issued): RN _____ (nine digits)

AUSTIN REGIONAL OFFICE (3373) SAN ANTONIO REGIONAL OFFICE (3362)

- | | | |
|-------------------------------------|---|---------------------------------|
| <input type="checkbox"/> Hays | <input type="checkbox"/> Bexar | <input type="checkbox"/> Medina |
| <input type="checkbox"/> Travis | <input checked="" type="checkbox"/> Comal | <input type="checkbox"/> Uvalde |
| <input type="checkbox"/> Williamson | <input type="checkbox"/> Kinney | |

APPLICATION FEES MUST BE PAID BY CHECK, CERTIFIED CHECK, OR MONEY ORDER, PAYABLE TO THE Texas Commission on Environmental Quality. YOUR CANCELED CHECK WILL SERVE AS YOUR RECEIPT. **THIS FORM MUST BE SUBMITTED WITH YOUR FEE PAYMENT. THIS PAYMENT IS BEING SUBMITTED TO (CHECK ONE):**

- | | |
|---|--|
| <input type="checkbox"/> SAN ANTONIO REGIONAL OFFICE | <input type="checkbox"/> AUSTIN REGIONAL OFFICE |
| <input type="checkbox"/> Mailed to TCEQ:
TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088 | <input type="checkbox"/> Overnight Delivery to TCEQ:
TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
512/239-0347 |

Check one:

- Contributing Zone Plan - Fee Due \$250**
- Modification of a Previously Approved Contributing Zone Plan - Fee Due \$250**
- Extension of Time Request - Fee Due \$100**

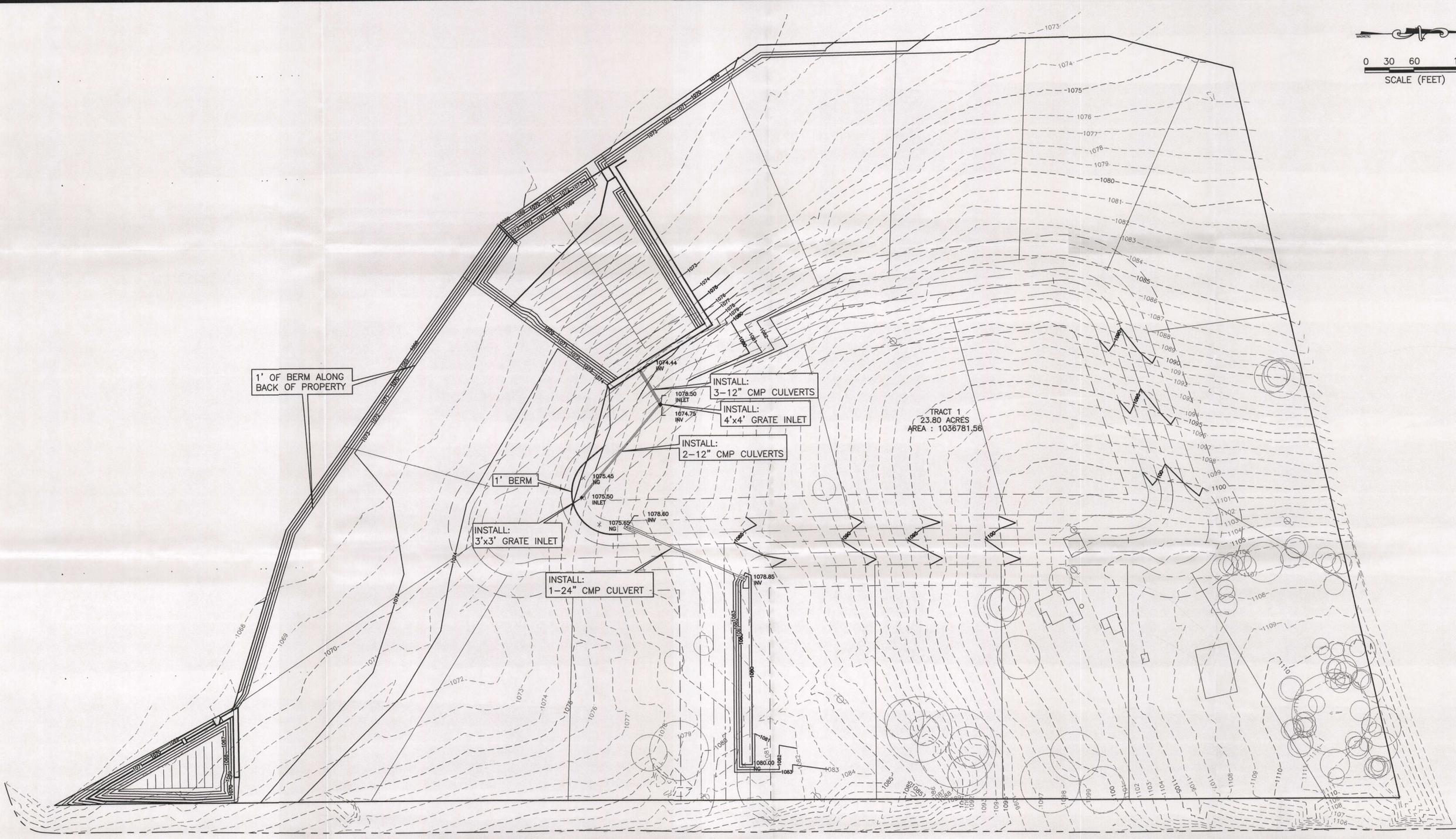
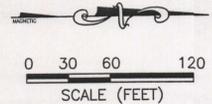
Signature

Date

If you have questions on how to fill out this form or about the Edwards Aquifer protection program, please contact us at 210/490-3096 for projects located in the San Antonio Region or 512/339-2929 for projects located in the Austin Region.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.

REVISIONS



TRACT 1
23.80 ACRES
AREA : 1036781.56

M & S
ENGINEERS, PLANNERS, AND SURVEYORS
BRANCH OFFICE
P.O. BOX 391
McQUEENEY, TEXAS 78123
MAIN OFFICE
P.O. BOX 970
SPRING BRANCH, TEXAS 78070
PHONE # (830) 228-5446
FAX # (830) 885-2170



**HWY 281 BUSINESS PARK
LUKE WILBURN TRACT
PROPOSED GRADING PLAN**

DESIGNED BY: DWK
CHECKED BY: KCS
DRAWN BY: EIL
JOB: 7L-WILB001
DATE: JAN 21, 2008
SCALE: 1" = 60'

JAN 22 2008
SAN ANTONIO

SHEET:
OF

U.S. HIGHWAY 281

LEGEND

	EXISTING TREES
	EXISTING POWER POLES
	IRON ROD FOUND
	EXISTING MAJOR 5' CONTOUR
	EXISTING MINOR 1' CONTOUR
	EXISTING BUILDINGS
	EXISTING FENCING
	EXISTING OVERHEAD UTILITIES
	PROPOSED EDGE OF PAVEMENT
	PROPOSED RIGHT OF WAY
	PROPOSED MAJOR 5' CONTOUR
	PROPOSED MINOR 1' CONTOUR
	PROPERTY BOUNDARY

Date: Jun 22, 2008, 7:45am User ID: blye
File: S:\Active Projects\LUKE001\LUKE Wilburn Tract\DWG\7LWILB001 - GRP001.dwg

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CONTRIBUTING ZONE PLAN
GENERAL CONSTRUCTION NOTES

- WRITTEN CONSTRUCTION NOTIFICATION SHOULD BE PROVIDED TO THE APPROPRIATE TCEQ REGIONAL OFFICE NO LATER THAN 48 HOURS PRIOR TO COMMENCEMENT OF THE REGULATED ACTIVITY. INFORMATION SHOULD INCLUDE THE DATE ON WHICH THE REGULATED ACTIVITY WILL COMMENCE, THE NAME OF THE APPROVED PLAN FOR THE REGULATED ACTIVITY, AND THE NAME OF THE PRIME CONTRACTOR WITH THE NAME AND TELEPHONE NUMBER OF THE CONTACT PERSON.
- ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT SHOULD BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED CONTRIBUTING ZONE PLAN AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTOR(S) SHOULD KEEP COPIES OF THE APPROVED PLAN AND APPROVAL LETTER ON-SITE.
- NO TEMPORARY ABOVEGROUND HYDROCARBON AND HAZARDOUS SUBSTANCE STORAGE TANK SYSTEM MAY BE INSTALLED WITHIN 150 FEET IF A DOMESTIC, INDUSTRIAL, IRRIGATION, OR PUBLIC WATER SUPPLY WELL.
- PRIOR TO COMMENCING CONSTRUCTION, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY SELECTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND GOOD ENGINEERING PRACTICES. CONTROLS SPECIFIED IN THE SWPPP SECTION OF THE APPROVED EDWARDS AQUIFER CONTRIBUTING ZONE PLAN ARE REQUIRED DURING CONSTRUCTION. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THE CONTROLS MUST REMAIN IN PLACE UNTIL DISTURBED AREAS ARE REVEGETATED AND THE AREAS HAVE BECOME PERMANENTLY STABILIZED.
- IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS TO WATER QUALITY (E.G., FUGITIVE SEDIMENT IN STREET BEING WASHED INTO SURFACE STREAMS OR SENSITIVE FEATURES BY THE NEXT RAIN).
- SEDIMENT MUST BE REMOVED FROM SEDIMENT TRAPS OR SEDIMENTATION PONDS NO LATER THAN WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%. A PERMANENT STAKE MUST BE PROVIDED THAT CAN INDICATE WHEN THE SEDIMENT OCCUPIES 50% OF THE BASIN VOLUME.
- LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES (E.G., SCREENING OUTFALLS, PICKED UP DAILY).
- ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE AND STORED ON-SITE MUST HAVE PROPER E&S CONTROLS INSTALLED.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, AND CONSTRUCTION ACTIVITIES WILL NOT RESUME WITHIN 21 DAYS. WHEN THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY IS PRECLUDED BY WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- THE FOLLOWING RECORDS SHOULD BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
- THE HOLDER OF ANY APPROVED CONTRIBUTING ZONE PLAN MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
 - ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY BEST MANAGEMENT PRACTICES OR STRUCTURE(S), INCLUDING BUT NOT LIMITED TO TEMPORARY OR PERMANENT PONDS, DAMS, BERMS, SILT FENCES, AND DIVERSIONARY STRUCTURES;
 - ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED;
 - ANY CHANGE THAT WOULD SIGNIFICANTLY IMPACT THE ABILITY TO PREVENT POLLUTION OF THE EDWARDS AQUIFER AND HYDROLOGICALLY CONNECTED SURFACE WATER; OR
 - ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED IN A CONTRIBUTING ZONE PLAN AS UNDEVELOPED.

AUSTIN REGIONAL OFFICE
2800 S. IH 35, SUITE 100
AUSTIN, TEXAS 78704-5712
PHONE (512) 339-2929
FAX (512) 339-3795

SAN ANTONIO REGIONAL OFFICE
14250 JUDSON ROAD
SAN ANTONIO, TEXAS 78233-4480
PHONE (210) 490-3096
FAX (210) 549-4329

THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

SOIL DISTURBANCE NOTES:

SOIL DISTURBANCES WILL OCCUR DUE TO CLEARING, GRUBBING, AND GRADING OF AREAS TO BE USED FOR ROADS, ROAD RIGHT-OF-WAYS, AND DETENTION FACILITIES. DISTURBANCES WILL ALSO OCCUR DURING THE BUSINESS BUILDING PROCESS. THESE DISTURBANCES CAN BE ATTRIBUTED TO, BUT NOT LIMITED TO, CLEARING AND GRUBBING RELATED TO BUILDING PAD, DRIVEWAY, AND LANDSCAPE PREPARATION.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE SHALL BE INSTALLED TO PROVIDE A STABLE ENTRANCE/EXIT CONDITION FROM THE CONSTRUCTION SITE TO KEEP MUD AND SEDIMENT OFF PUBLIC ROADWAYS (REFER TO THE EDWARDS AQUIFER TECHNICAL GUIDANCE MANUAL FOR CONSTRUCTION INFORMATION).

SOIL STABILIZATION NOTES:

TEMPORARY EROSION CONTROL MEASURES WILL BE USED TO STABILIZE DISTURBED AREAS (REFER TO EDWARDS AQUIFER TECHNICAL GUIDANCE MANUAL FOR CONSTRUCTION CONTROL MEASURES). TRAFFIC WILL BE ROUTED AROUND THESE AREAS TO REDUCE THE EXTENT OF DISTURBED AREAS BY REDUCING SEDIMENT LOADS TO SURFACE WATER.

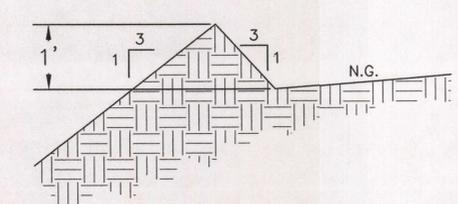
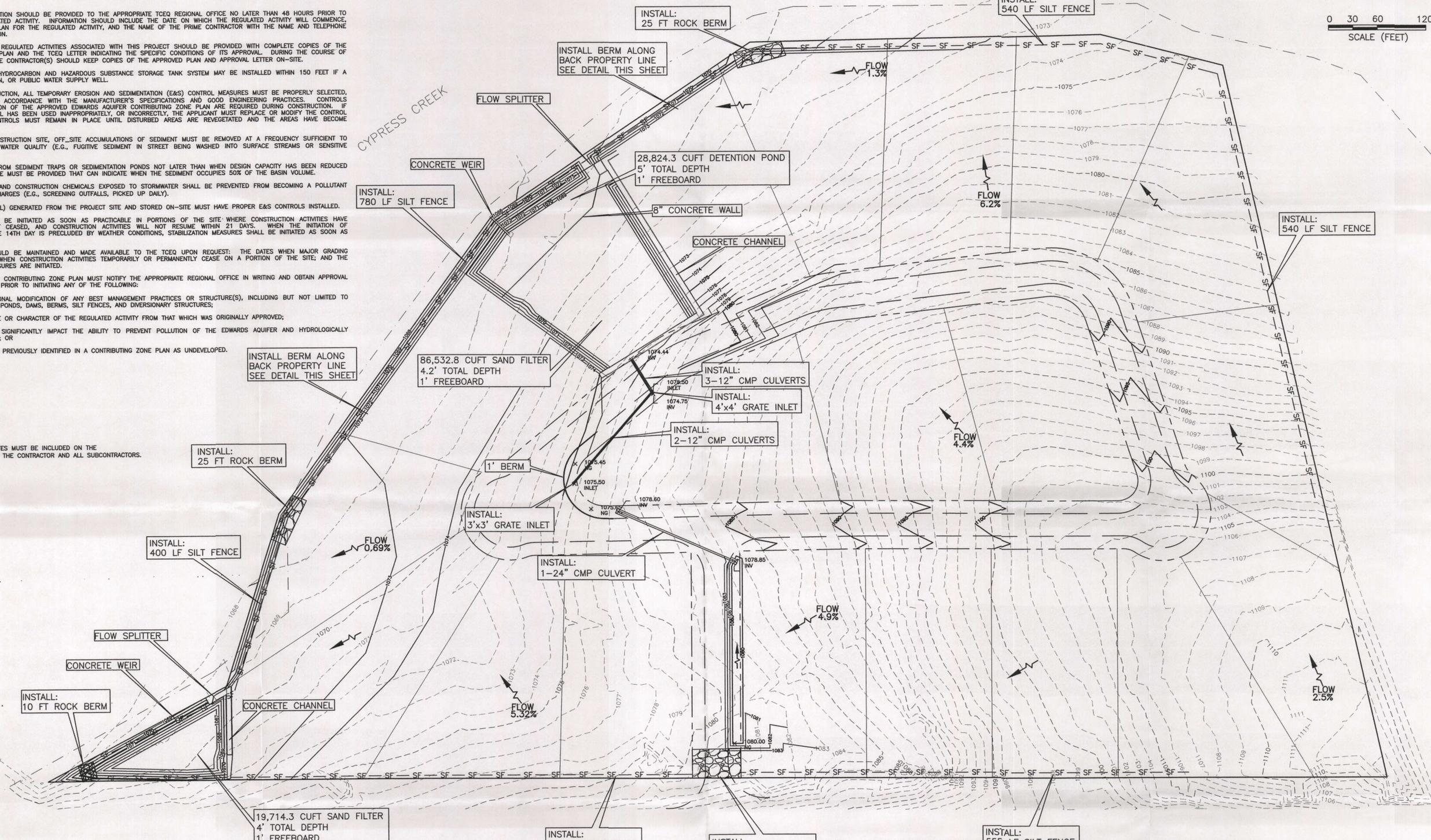
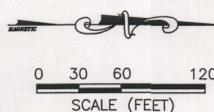
BARE SOILS SHOULD BE SEEDED OR OTHERWISE STABILIZED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED FOR MORE THAN 21 DAYS.

MULCHING/MATS CAN BE USED TO PROTECT THE DISTURBED AREAS WHILE VEGETATION BECOMES ESTABLISHED.

FILTER BASIN NOTES:

- A FIXED VERTICAL SEDIMENT DEPTH MARKER SHOULD BE INSTALLED IN EACH SAND FILTER BASIN TO INDICATE WHEN SEDIMENT ACCUMULATION EQUALS 20% OF THE WATER QUALITY VOLUME AND SEDIMENT REMOVAL IS REQUIRED.
- A FIXED VERTICAL SEDIMENT DEPTH MARKER SHOULD BE INSTALLED IN EACH SAND FILTER BASIN TO INDICATE WHEN THE ACCUMULATED DEPTH OF SEDIMENT EQUALS 6 INCHES AND SEDIMENT REMOVAL IS REQUIRED.

PROPOSED 100-YEAR FEMA FLOODPLAIN



EARTHEN BERM DETAILS
NOT TO SCALE

LEGEND

---	1072	EXISTING MAJOR 5' CONTOURS
---	1072	EXISTING MINOR 1' CONTOURS
---	1072	PROPOSED MAJOR 5' CONTOURS
---	1072	PROPOSED MINOR 1' CONTOURS
---		PROPOSED EDGE OF PAVEMENT
---		PROPOSED RIGHT OF WAY
---		PROPOSED CENTER LINE
---		PROPOSED PROPERTY LOTS
-SF-SF-SF-SF-		PROPOSED SILT FENCE
---		PROPERTY BOUNDARY
---		PROPOSED CONSTRUCTION ENTRANCE

REVISIONS

BRANCH OFFICE
P.O. BOX 391
MCQUEENEY, TEXAS 78123

M & S ENGINEERING, LTD.
ENGINEERS, PLANNERS, AND SURVEYORS

MAIN OFFICE
P.O. BOX 970
SPRING BRANCH, TEXAS 78070
PHONE # (830) 228-5446
FAX # (830) 885-2170

HWY 281 BUSINESS PARK
LUKE WILBURN TRACT
CONTRIBUTING ZONE SITE PLAN

DESIGNED BY: DWK / SRJ
CHECKED BY: KCS
DRAWN BY: SRJ / BIL
JOB: 7LWLB001
DATE: JAN 21, 2007
SCALE: 1" = 60'

JAN 22 2008
SAN ANTONIO

SHEET: 1 OF 1

Date: Jan 22, 2008, 7:48am, User: lb, b309, File: S:\Users\Projects\7LWLB001\Luke Wilburn Tract\DWG\7LWLB001-CZP001.dwg