

Texas Commission on Environmental Quality

Remediation Division Correspondence Identification Form

FILE

SITE & PROGRAM AREA IDENTIFICATION

SITE LOCATION				REMEDIATION DIVISION PROGRAM AND FACILITY IDENTIFICATION	
Site Name: Rockwool Industries, Inc.				Is This Site Being Managed Under A State Lead Contract? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Address 1: 1741 Taylors Valley Rd.				Program Area: SUPERFUND	
Address 2:				Mail Code: MC-136	
City: Belton		State: Texas		Is This A New Site To This Program Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Zip Code: 76513	County: Bell	PROGRAM ID No.:		SUP033	
TCEQ Region: Region 9 - Waco		--Leave This Field Blank--		--Leave This Field Blank--	

DOCUMENT(S) IDENTIFICATION

PHASE OF REMEDIATION	DOCUMENT NAME
1. POST-CLOSURE CARE	Initial Site Visit Report
2.	
3.	
4.	
5.	

CONTACT INFORMATION

RESPONSIBLE PARTY/APPLICANT/CUSTOMER

Name: **Attn: Alvie Nichols (TCEQ PM)** Phone Number: _____ Fax Number: _____
 Company: **TCEQ** City: _____ State: _____ Zip Code: _____
 Address 1: _____ Email Address: _____
 Address 2: _____

ENVIRONMENTAL CONSULTANT/REPORT PREPARER/AGENT

Name: **William Gamblin** Phone Number: **512-651-6018** Fax Number: **512-821-2724**
 Company: **Daniel B. Stephens & Assoc.** City: **Austin** State: **TX** Zip Code: **78759**
 Address 1: **4030 W. Braker Lane, Suite 325** Email Address: _____
 Address 2: _____

William Gamblin

TCEQ INTERNAL USE ONLY

Document No.	TCEQ Database Term	Document No.	TCEQ Database Term
1.		4.	
2.		5.	
3.			

**Initial Site Visit Report
Rockwool Industries, Inc.
Superfund Site
1741 Taylors Valley Rd
Belton, Texas 76513**

Prepared for

**Texas Commission on
Environmental Quality**

January 7, 2011

**Contract No.
582-10-91051
Work Order No.
248-0019**



Daniel B. Stephens & Associates, Inc.

4030 W. Braker Lane, Suite 325, Austin, Texas 78759



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Daniel B. Stephens & Associates, Inc.

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Daniel B. Stephens & Associates, Inc.

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Initial Site Visit Report

1.0 Introduction

The Texas Commission on Environmental Quality (TCEQ) contracted Daniel B. Stephens & Associates, Inc. (DBS&A) to conduct an initial site visit of the Rockwool Industries site (Site) located at 1741 Taylors Valley Road in Belton, Bell County, Texas.

2.0 Background

Rockwool Industries, Inc. (RWI) Superfund Site is a 100-acre tract of land in a primarily industrial area located one quarter mile east of I-35 in Belton, Texas. It is bounded on the north by the Leon River and to the south and south-west by Nolan Creek. The Site is broadly divided into three areas; the North property, the Central property, and the non-process areas by Taylors Valley Road and FM-93 (see attached "Site Vicinity Map"). Rockwool Industries, Inc. manufactured household mineral wool insulation material by melting copper and antimony slag from metallurgical operations.

The RWI facility manufactured mineral wool insulation from the mid-1950s until February 1987. Previous land use is not known. Rockwool Insulation was produced by melting the raw material (copper and antimony smelting slag, coke, limestone trap rock and basalt) in a coke-fired blast furnace or cupola and then extruded by blowing air over spinning drums to form the insulation fibers.

The waste by-products of production included spent iron shot material (residue left in the furnace from the heating of the raw copper and antimony slag material) and slag (a melted bead separated from the insulation fibers by a screening process). Two primary waste streams were generated by the RWI facility, including baghouse dust generated from the facility emission control system and shot/slag resulting from the production of Rockwool Insulation. Secondary



waste types included boiler blowdown water, stormwater runoff, recovered groundwater, and bricks.

The spent shot material is the principal waste hazard at the RWI Site. Contaminants from the shot material ran into the Leon River from the north shot pile and contaminated the portion of the river adjacent to the site (south bank). In addition to the shot and slag material, the RWI facility created other wastes, including baghouse dust, boiler blowdown waste, spent ion exchange resin, salt brine (from regeneration of ion exchange resin, general plant refuse, waste oil, and product tank washout wastewater.

3.0 Site Visit

On November 23, 2010, DBS&A representatives William Gamblin and Bud Shirley met with TCEQ representatives Alvie Nichols, Charmaine Backens, and Buddy Henderson at the TCEQ office in north Austin, Texas. DBS&A and TCEQ mobilized from the TCEQ office to the site in Belton, Texas, arriving on-site at approximately 10:00 a.m. City of Belton Public Works Manager, Les Hallbaugher, met with DBS&A and TCEQ and stated that the two main gates (one to the North Property and one to the Central Property) were unlocked and the areas were accessible for inspection. Mr. Hallbaugher left the site after the meeting and returned later with signed access agreements from the City allowing the TCEQ access to the Rockwool property.

The site inspection focused on identifying existing monitoring wells and documenting their condition as well as noting if the proper signs were displayed and what the general condition was of landfill cover systems, general vegetative growth, drainage erosion, fences, drainage culverts and other site characteristics that could be important to maintaining the integrity of the landfill units.



3.1 North Property

3.1.1 Former Evaporation Lagoon Area

The North Property section of the site was the first portion of the property to be inspected, the area around the former evaporation lagoon was found to be fairly well maintained with grass/weeds dominating the vegetation (see photos #4 through #9). Monitoring wells MW-21, MW-22, MW-35-90, MW-36-90, MW-37-90, and MW-38-90 were found to be accessible and in good surface condition. MW-35-90, MW-36-90, MW-37-90, and MW-38-90 did not have protective pipe/bollards around their stub ups and MW-38-90 had a small brush/tree that needed to be removed (see photo #6).

The fence is completely missing south of the former evaporation lagoon area on the north side of an asphalt parking lot used mainly by large trucks. Truck tracks are evident which cross into the North Property and extend to near the Leon River Embankment (see photos #8 and #9)

Erosion is evident between the former evaporation lagoon and north shot pile. An erosion channel approximately 3 feet wide and 3 feet deep has formed approximately 40 feet west of MW-35-90 running due north to the Leon River embankment (see photos #13 and #14). The erosion channel runs parallel to the existing underground drainage pipe. The underground drainage pipe was inspected and the outfall is full of trash and debris and needs to be cleaned out. No obvious erosion of the concrete blocks placed on the Leon River embankment were identified although significant vegetative growth prevented a detailed inspection.

3.1.2 North Shot Pile Area

The North Property north shot pile landfill area was also vegetated with grass/weeds and trees around the perimeter of the landfill area. Monitor wells MW-15 and MW-20 were found in good



condition, however, MW-20 was found to be overgrown with a tree and brush (see photo #3) which will have to be removed in order to access the well.

The fence is down near MW-15 between the North Shot Pile and the cemetery. (see photo #21)

3.1.3 Cemetery Area

Buried material associated with the site is stockpiled in a landfill with a soil cover along the property line of the cemetery and adjacent active concrete facility.

Two drainage culverts run under the stockpiled material to reduce surface erosion. The active concrete facility on the east side of the stockpile material may be encroaching onto the stockpile. Concrete blocks have been placed along the Institutional Control (IC) Boundary which was delineated by signs, however, the north section is not well defined and the concrete facility personnel may have disturbed areas of landfill (photo #22). Some signage is apparent delineating the IC boundary, but there are also metal posts which used to have signs on them with no signs.

What appeared to be slag material was evident sparsely in a few surface areas of the cemetery, however their extent seemed to be limited.

3.2 Central Property

The Central Property portion of the site has the containment cell with the engineered asphalt (Matcon) cover located on the west side, a former stormwater runoff pond landfill on the east side, and thirteen (13) associated monitor wells.

3.2.1 Containment Cell Area

The containment cell cover (asphalt) appears to be in good shape with little to no cracks in the asphalt evident on the main cell. The boundary asphalt (last ~10 feet of the edge) is cracked



and some edge erosion was noted. Vegetative growth (mainly grasses) has been established in most of the cracks in the edge asphalt. A drainage berm surrounds the containment cell which directs runoff into a stormwater detention basin. Several small trees and brush vegetation has been established in the berms and drainage basin.

Monitor wells MW-27-90, MW-28-90, MW-29-90, MW-30-90, MW-33-90, MW-34-90, MW-7, MW-9, MW-10, MW-11, MW-16, and MW-17 were located around the containment cell. All of the monitor wells appeared to be in good condition and accessible, although some will require vegetative control measure (brush/tree removal). MW-7 appears to be an old domestic well and has a tin box covering that has a hinged roof. Access to MW-7 may be an issue during monitoring and MW-9 may be damaged.

An existing building (former brick plant) is adjacent to the containment cell to the east and four drums with what appeared to be common trash was discovered in the building.

Signs are posted along the IC boundary at approximately 200 yard intervals; however no signs were evident along the western boundary of the Central Property.

The perimeter fence is down/missing in sections along the western boundary, particularly in the southwest corner.

3.2.2 Former Stormwater Runoff Pond Class 1 Landfill Area

The Central Property portion of the site also contains the former stormwater runoff pond class 1 landfill on the eastern side. The closed landfill has a vegetative cover with grass/weeds dominating.

Monitor Wells MW-19, MW-24-90, and MW-14 were located on the eastern portion of the Central Property. All of the monitor wells appeared to be in good condition and accessible.



No excessive drainage erosion was evident associated with the former stormwater runoff pond landfill.

Signs are posted along the IC boundary at approximately 200 yard intervals; however no signs were evident along the northern side of the former stormwater runoff pond landfill area.

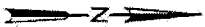
3.3 Non-Process Property

The Non-Process Property of the site located south of FM 93 was inspected and found to be heavily vegetated with trees/brush and minimally accessible. No monitoring wells are located on the property and no contamination has been identified to be present. No erosion issues were evident and it appears that the property was in a stable natural state.

4.0 Summary and Conclusions

Overall, the Rockwool Industries site was is in a manageable condition with all of the existing monitoring wells accessible or potentially accessible with vegetative growth removal. The monitoring wells themselves appear to be in good condition with most having protective metal stub-ups and metal tubing guard rails. Erosion is evident in some places and vegetative growth will have to be addressed in the Operation and Maintenance (O&M) plan. A cost proposal is included in Appendix 2 which provides costs for preparing a sampling and analysis plan, for the actual sampling and analysis of the groundwater, and revising the existing O&M plan.

Figures



- GENERAL NOTES:
1. ACCESS ROUTES SUGGESTED BY ENGINEER.
 2. NO ACCESS TO CENTRAL PROPERTY OFF ROAD FMS.
 3. HORIZONTAL DATUM: TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83, TEXAS CENTRAL ZONE VERTICAL DATUM: NAVD 88
 4. ALL HORIZONTAL AND VERTICAL CONTROL IS BASED ON NGS STATION BELTON, LOCATED IN THE CITY OF BELTON, TEXAS ON THE CAMPUS OF BAYLOR COLLEGE FOR WOMEN.
 5. PRIOR TO BEGINNING WORK, CONSTRUCTION MANAGER SHALL VIDEO TAPE TAYLOR'S VALLEY ROAD FROM I-35 TO THE LEON RIVER BRIDGE. DURING WORK MAINTAIN ROADS TO ORIGINAL CONDITION (OR BETTER). PROVIDE TRAFFIC CONTROL ACROSS TAYLOR'S VALLEY ROAD WHEN TRUCKS ARE ENTERING OR LEAVING THE SITE.
 6. CONSTRUCTION MANAGER SHALL APPROVE ACCESS ROUTES WITHIN THE WORK AREA.
 7. UTILITIES NOT SHOWN ON THESE DRAWINGS MAY EXIST IN THE AREA. CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED AND MARKED PRIOR TO BEGINNING WORK.
 8. ANY DAMAGED UTILITY SHALL BE REPAIRED IMMEDIATELY AT CONTRACTOR'S EXPENSE.

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VOL. 2723 PG 144
DIRECT

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6.614 ACRES
VOL. 4123 PG 144
DIRECT

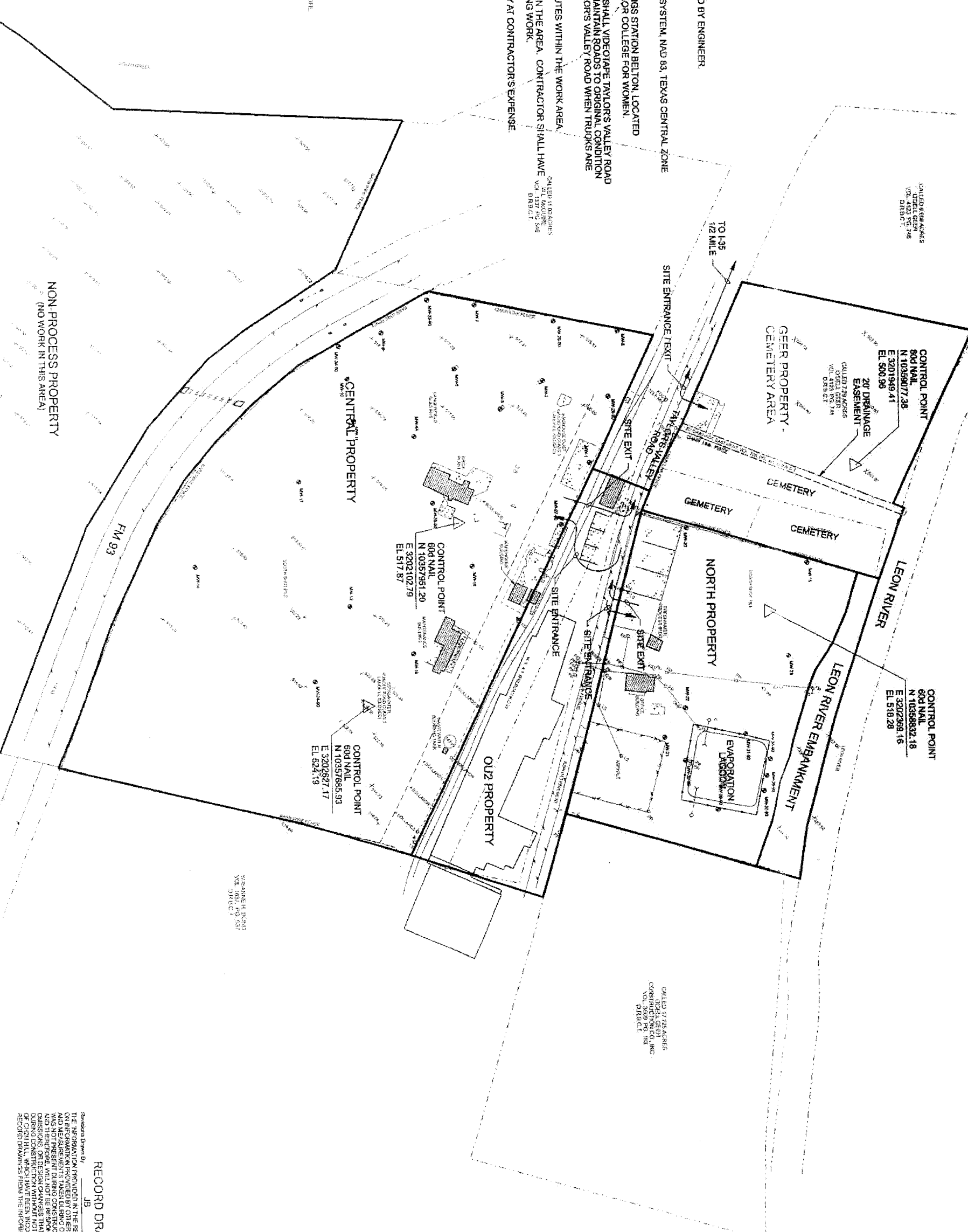
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VOL. 4123 PG 144
DIRECT

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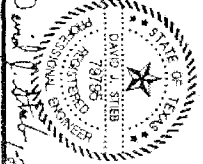
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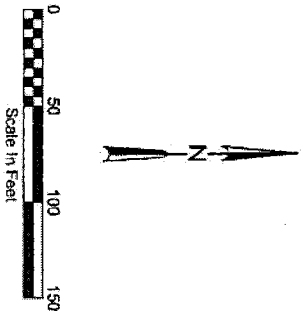
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(NO WORK IN THIS AREA)



RECORD DRAWINGS
JB Date 1-2006
The information provided in the design drawings is based on the information provided by the client and is not to be used for any other purpose. The client is responsible for the accuracy of the information provided. The design drawings are not to be used for any other purpose. The client is responsible for the accuracy of the information provided. The design drawings are not to be used for any other purpose. The client is responsible for the accuracy of the information provided.

DESIGN RE THOMPSON		JABOOTH		BARS ONE INCH ON ORIGINAL DRAWING		CH2MHILL		SEPA		CIVIL		SHEET 2	
DR DC EVANS		1/2/2006		REVISIONS		CH2MHILL		REGION 6 DALLAS, TEXAS		SITE VICINITY MAP AND ACCESS PLAN		DWG C-2	
CHK RE THOMPSON		1		BY DS		CH2MHILL		ROCKWOOD INDUSTRIES		FILENAME: 06mcd014 185014.dgn PLOT DATE: 01/23/2006		DATE JAN 2006	
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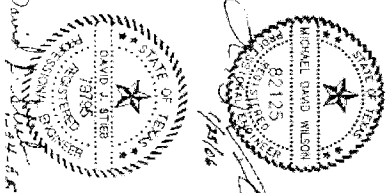
1. FOR COVER, SEE DETAIL 1
2. FOR SLOPES, SEE 3
3. EXCESS MATERIAL FROM SSP PLACED ON TOP OF EVL LINER. EVL BERM WERE COLLAPSED AND THE AREA COVERED WITH CLAY AND TOPSOIL.
4. MONITOR WELLS MW-35-90, MW-36-90, MW-37-90, AND MW-38-90 ADJUSTED TO NEW GRADE 1

LEGEND

- PROPERTY LINE / RIGHT OF WAY (R.O.W.)
- GRADING / COVER LIMITS
- INSTITUTIONAL CONTROL (IC) BOUNDARY
- EXISTING MONITOR WELL
- EXISTING ROAD
- EXISTING RAILROAD
- EXISTING BUILDING
- EXISTING CONCRETE
- EXISTING POWER POLE
- EXISTING LIGHT
- EXISTING UNDERGROUND UTILITY
- CHAIN LINK FENCE

RECORD DRAWINGS

Revised Drawing By JB Date 1/2006
THE INFORMATION PROVIDED IN THE RECORD DRAWINGS IS BASED ON INFORMATION PROVIDED BY OTHERS FROM OBSERVATIONS AND MEASUREMENTS. CH2M HILL AND ITS EMPLOYEES, AGENTS, AND THEREFORE, WILL NOT BE RESPONSIBLE FOR ANY ERRORS, OMISSIONS, OR DESIGN CHANGES THAT MAY HAVE OCCURRED. CH2M HILL WILL NOT BE RESPONSIBLE FOR ANY ERRORS, OMISSIONS, OR DESIGN CHANGES THAT MAY HAVE OCCURRED. CH2M HILL WILL NOT BE RESPONSIBLE FOR ANY ERRORS, OMISSIONS, OR DESIGN CHANGES THAT MAY HAVE OCCURRED.



DESIGN	DAVID J. STETSON
CHK	RE THOMPSON
APPROVED	H. J. STETSON

DATE	1/2006
REVISION	

REVISION	
----------	--

VERIFY SCALE	3/4" = 1' OR EQUIVALENT
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FILED ONE	1
STATUS	STATUS

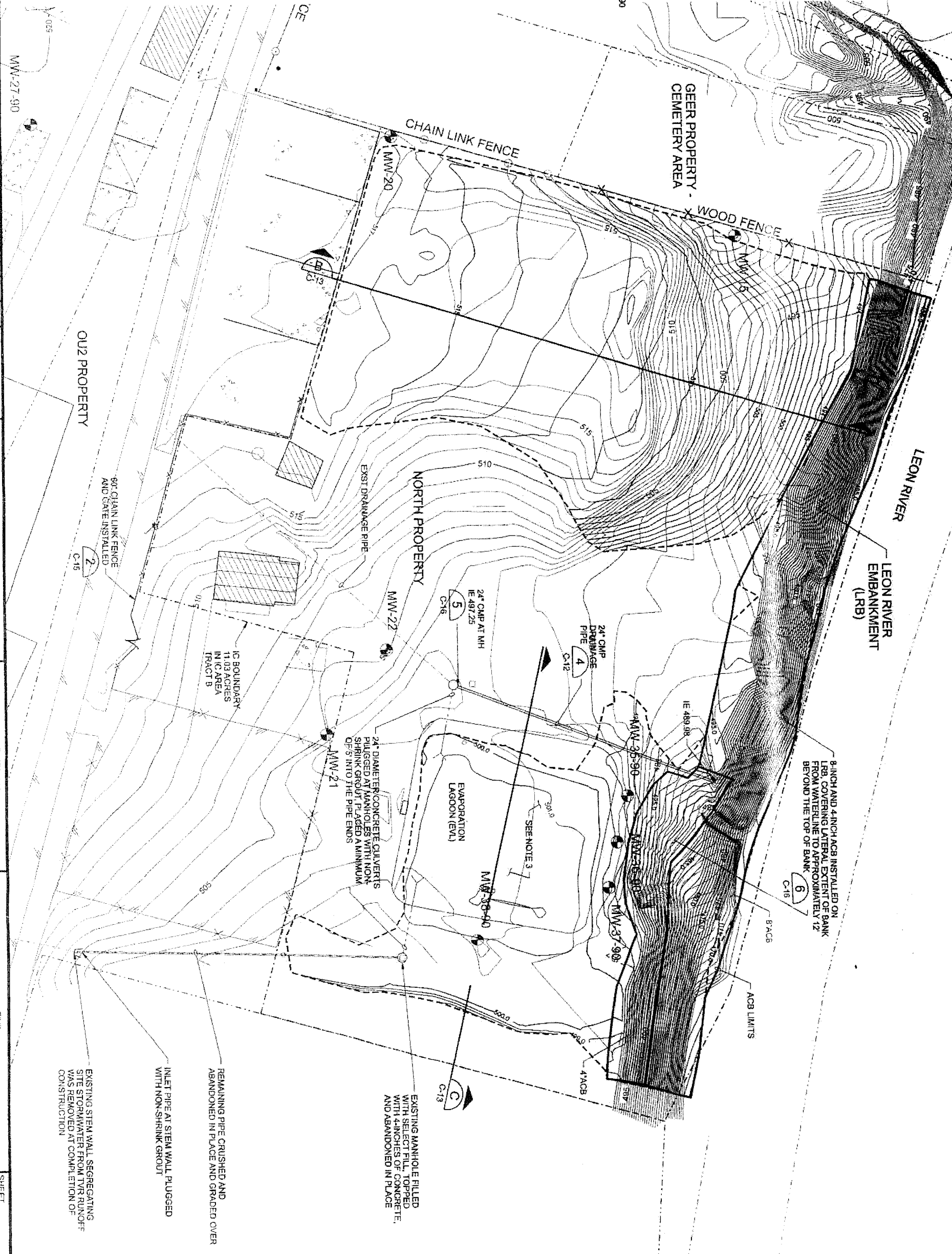
CH2MHILL

SEPA

REGION 8 DALLAS TEXAS
ROCKWELL INDUSTRIES
BELTON, TEXAS

COVER AND FINISHED GRADE PLAN
NORTH PROPERTY

SHEET	10
DWG	C-10
DATE	JAN 2006
PROJ	1850114





GENERAL NOTES:

1. FOR COVER, SEE DETAIL C-1
2. FOR SLOPES, SEE C-15

LEGEND

- PROPERTY LINE / RIGHT OF WAY (R.O.W.)
- GRADING / COVER LIMITS
- INSTITUTIONAL CONTROL (IC) BOUNDARY
- APPROXIMATE LOCATION OF EXISTING CEMETERY GRAVESITES
- EXISTING MONITOR WELL
- EXISTING ROAD
- EXISTING RAILROAD
- EXISTING BUILDING
- EXISTING CONCRETE
- EXISTING POWER POLE
- EXISTING LIGHT
- EXISTING UNDERGROUND UTILITY

RECORD DRAWINGS

Designed by: J.B. Date: 1.2006
The information provided in the record drawings is based on information provided by others from observations and measurements taken during construction. CH2M HILL was not present during construction of the project and does not warrant the accuracy of the information provided. CH2M HILL is not responsible for any errors or omissions, or design changes that may have occurred during construction without notification or approval of CH2M HILL. WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS FROM THE INFORMATION PROVIDED.



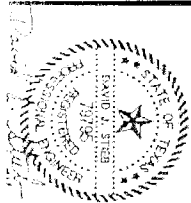
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CHK	RE THOMPSON	BY	J.B.	DATE	1/2006
APVD	MD WILLSON	BY	J.B.	DATE	1/2006

CH2MHILL

SEPA
REGION 6, DALLAS, TEXAS
ROCKWELL INDUSTRIES
BELTON, TEXAS

COVER AND FINISHED GRADE PLAN
GEER PROPERTY - CEMETERY AREA

SHEET	9
DWG	C-9
DATE	JAN 2006
PROJ	165014



DESIGN	REVISION	DATE	BY	CHECKED	DATE	BY
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CHK	RE THOMPSON	7/2005	JB	RT		
APP'D	MD WILSON	1/2005	JB	RT		

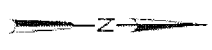
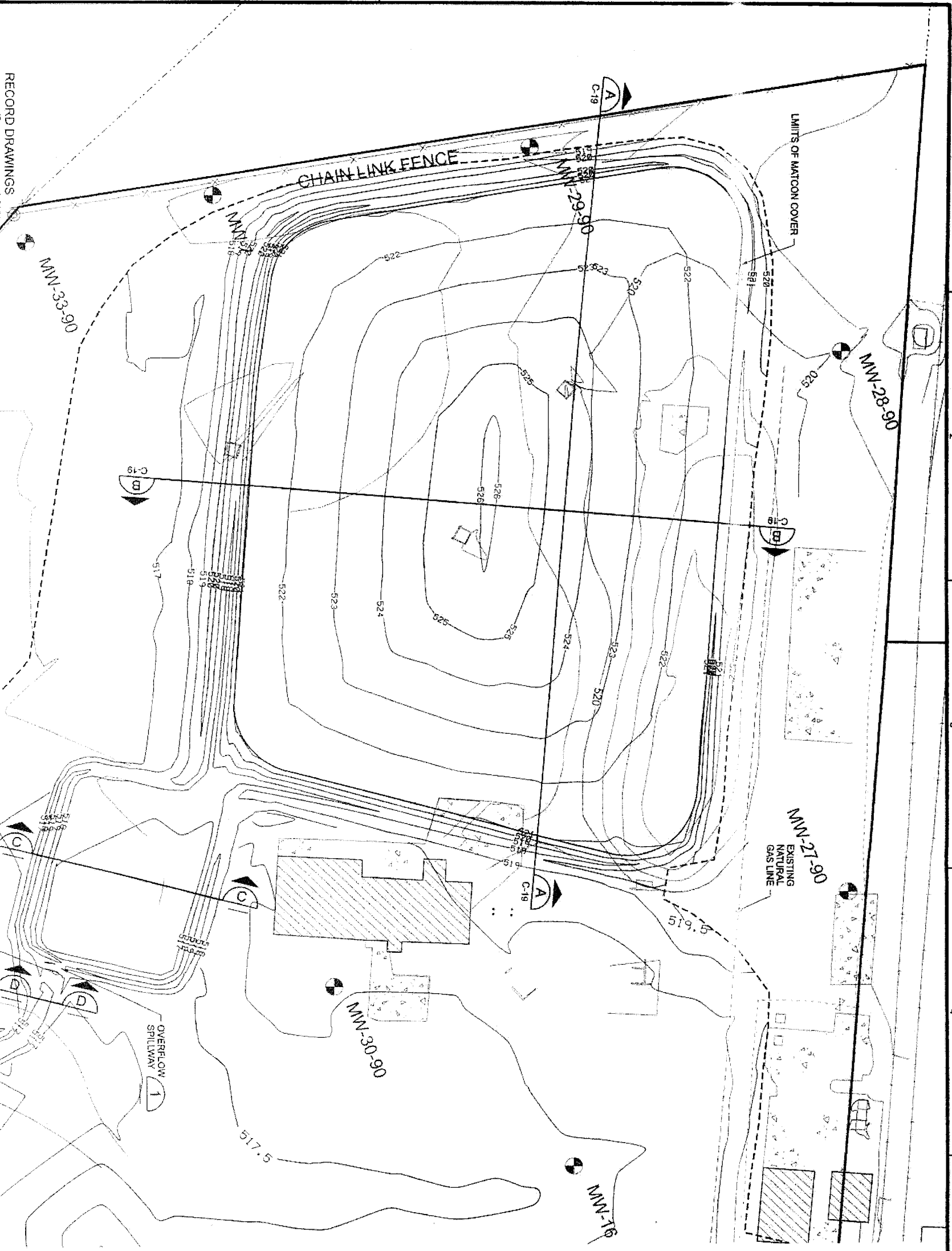
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CHK	RE THOMPSON	7/2005	JB	RT		
APP'D	MD WILSON	1/2005	JB	RT		

CH2MHILL

SEPA
REGION 8 DALLAS, TEXAS
ROCKWELL INDUSTRIES
SELTON, TEXAS

CIVIL	SHEET	16
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DATE	JAN 2006	
PROJECT	155314	

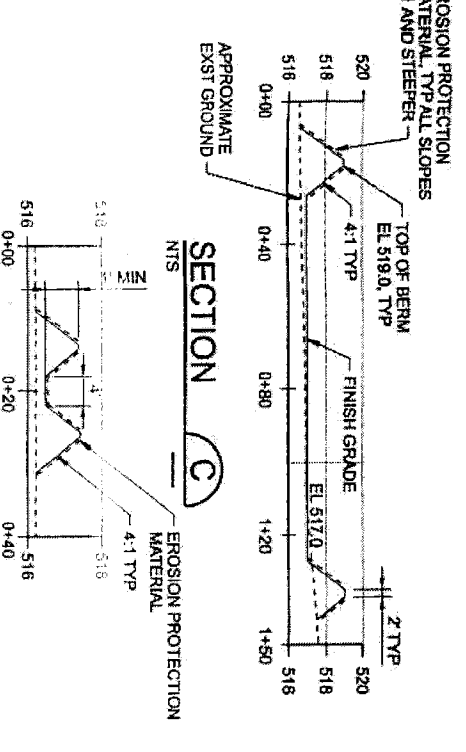
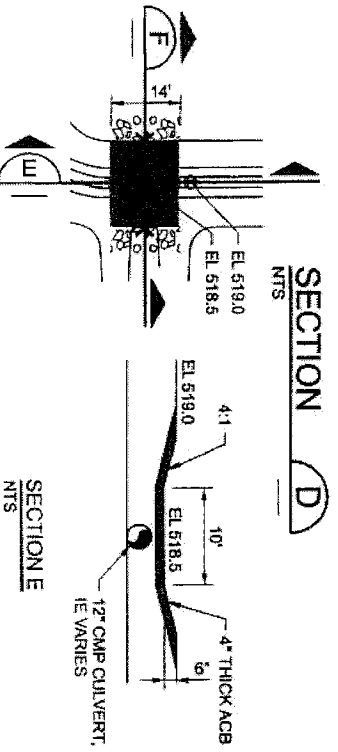
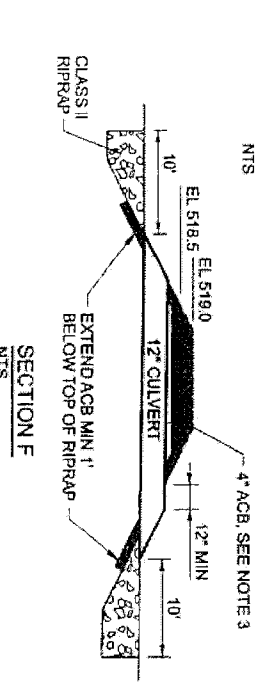
THE INFORMATION PROVIDED IN THE RECORD DRAWINGS IS BASED ON INFORMATION PROVIDED BY OTHERS FROM OBSERVATIONS AND MEASUREMENTS TAKEN DURING CONSTRUCTION. CH2M HILL AND ITS AFFILIATES, AGENTS, AND SUBCONSULTANTS, AND THEREFORE, WILL NOT BE RESPONSIBLE FOR ANY ERRORS, OMISSIONS, OR DESIGN CHANGES THAT MAY HAVE OCCURRED DURING CONSTRUCTION WITHOUT NOTIFICATION OR APPROVAL OF CH2M HILL AND ITS AFFILIATES, AGENTS, AND SUBCONSULTANTS. RECORD DRAWINGS FROM THE INFORMATION PROVIDED.



- LEGEND
- PROPERTY LINE / RIGHT OF WAY (R.O.W.)
 - GRADING LIMITS
 - SLOPE BREAK
 - EXISTING MONITOR WELL
 - EXISTING ROAD
 - EXISTING RAILROAD
 - EXISTING BUILDING
 - EXISTING UNDERGROUND UTILITY



- NOTES:
- FOR BERM AND COVER SECTION, SEE C-19.
 - PIPE ZONE AND BACKFILL MATERIAL FOR 12" CULVERT IS CLAY.
 - 4" ARTICULATED CONCRETE BLOCK (ACB) MATERIAL PLACED TO LIMITS SHOWN ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. CULVERT INLET AND OUTLET GROUTED AS RECOMMENDED BY MANUFACTURER. ACB EXTENDED MIN 1' BELOW RIPRAP ON UPSTREAM AND DOWNSTREAM ENDS.

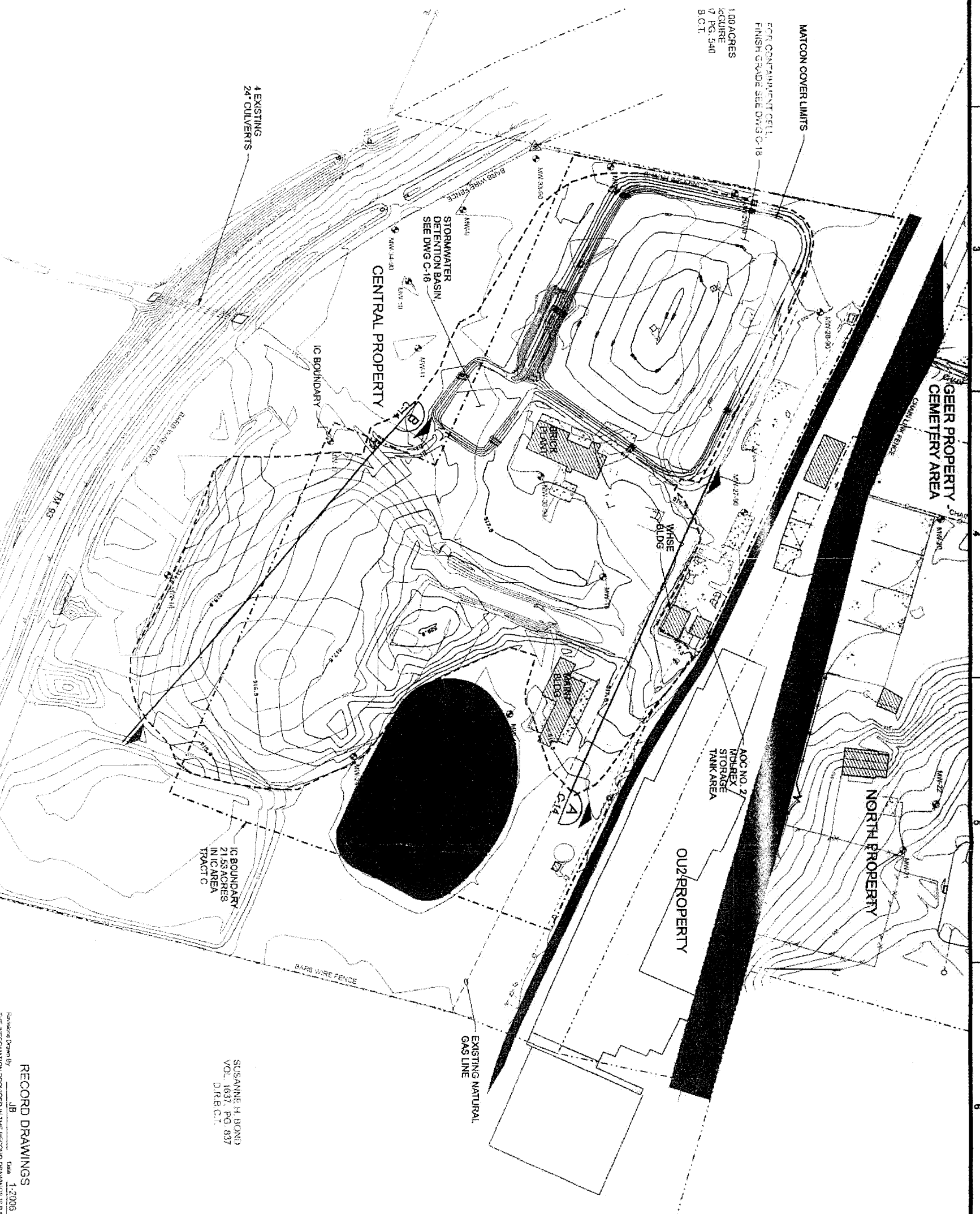
OVERFLOW SPILLWAY





- | LEGEND |
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| PROPERTY LINE / RIGHT OF WAY (R.O.W.) |
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| NON-WORK AREA. DO NOT DISTURB |
| EXISTING MONITOR WELL |
| EXISTING ROAD |
| EXISTING RAILROAD |
| EXISTING BUILDING |
| EXISTING CONCRETE |
| EXISTING POWER POLE |
| EXISTING LIGHT |
| EXISTING UNDERGROUND UTILITY |

- NOTES:
1. ENTIRE GRADING LIMITS COVERED WITH MIN 12" CLAY AND 6" TOPSOIL.  C-15
 2. MONITOR WELLS MM-16 AND MM-30 ADJUSTED TO NEW GRADE  C-20



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JABOOLH			0' [] 1'
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RE THOMPSON	2	7/20/05	J8 RT
OHK MD WILSON	1	4/20/05	R1
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CH2M HILL

SEPA

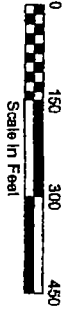
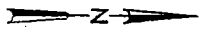
CIVIL

FINISHED GRADE PLAN
CONTAINMENT CELL
OU2 AND CENTRAL PROPERTY

REGION 6 DALLAS, TEXAS
ROCKWELL INDUSTRIES
BELTON, TEXAS

SHEET	
DWG	C-11
DATE	JAN 2000
PROJ	182516

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.



- GENERAL NOTES:
1. ACCESS ROUTES SUGGESTED BY ENGINEER. CONTRACTOR MAY UTILIZE OTHER ROUTES AS APPROVED BY ENGINEER.
 2. NO ACCESS TO CENTRAL PROPERTY OFF ROAD FM83.
 3. HORIZONTAL DATUM: TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83, TEXAS CENTRAL ZONE VERTICAL DATUM: NAVD 88
 4. ALL HORIZONTAL AND VERTICAL CONTROL IS BASED ON MGS STATION BELTON, LOCATED IN THE CITY OF BELTON, TEXAS ON THE CAMPUS OF BAYLOR COLLEGE FOR WOMEN.
 5. PRIOR TO BEGINNING WORK, CONSTRUCTION MANAGER SHALL VIDEO TAPE TAYLORS VALLEY ROAD FROM I-35 TO THE LEON RIVER BRIDGE. DURING WORK MAINTAIN ROADS TO ORIGINAL CONDITION FOR BETTER. PROVIDE TRAFFIC CONTROL ACROSS TAYLORS VALLEY ROAD WHEN TRUCKS ARE ENTERING OR LEAVING THE SITE.
 6. CONSTRUCTION MANAGER SHALL APPROVE ACCESS ROUTES WITHIN THE WORK AREA.
 7. UTILITIES NOT SHOWN ON THESE DRAWINGS MAY EXIST IN THE AREA. CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED AND MARKED PRIOR TO BEGINNING WORK.
 8. ANY DAMAGED UTILITY SHALL BE REPAIRED IMMEDIATELY AT CONTRACTOR'S EXPENSE.

CALLER 2.15 ACRES
DONALD R. EVANS AND WIFE
GRACE M. EVANS
VOL. 137 PG. 540
D.B.C.T.

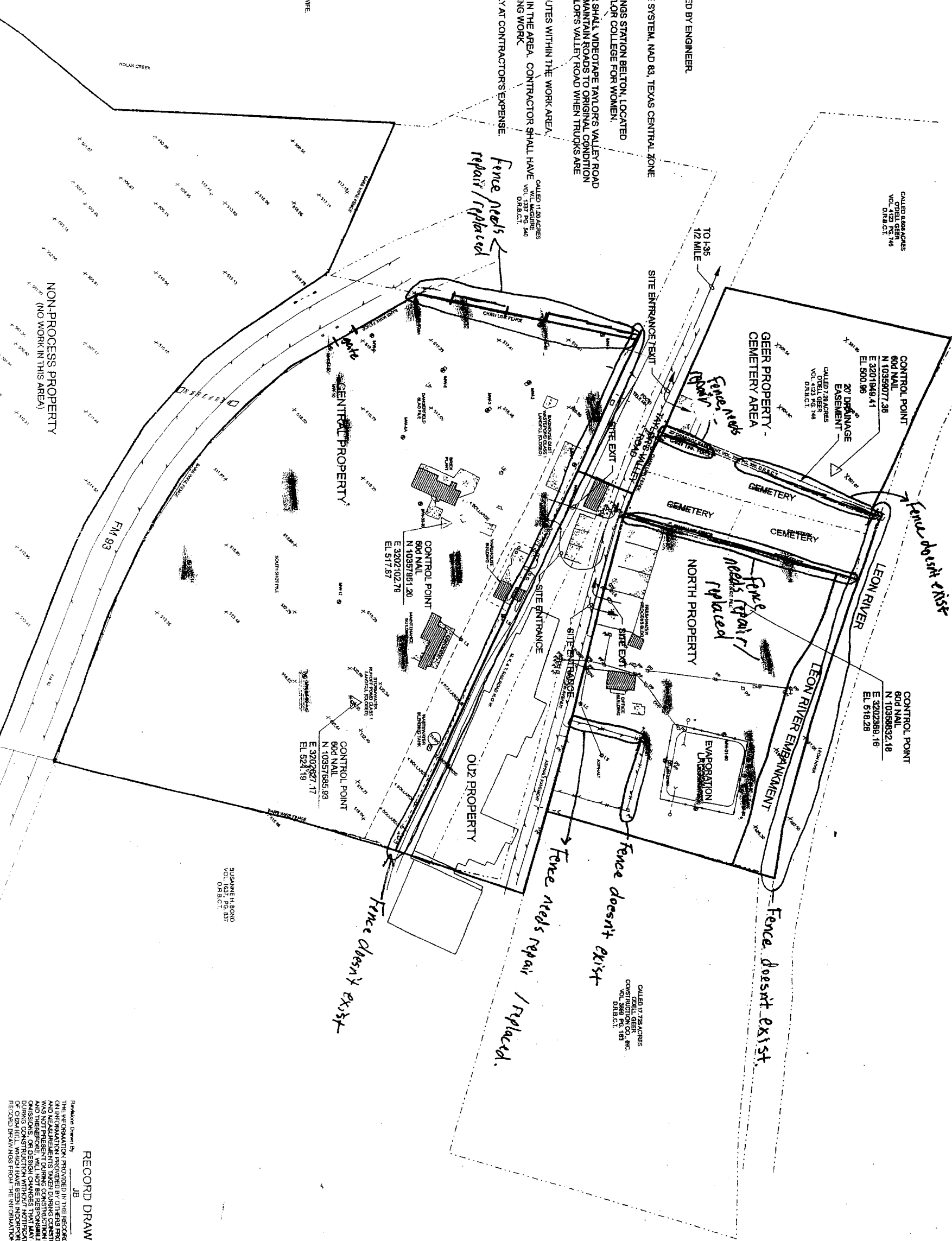
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GEER PROPERTY
VOL. 423 PG. 146
D.B.C.T.

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OTELL GEER
VOL. 137 PG. 540
D.B.C.T.

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CALLER 1.72 ACRES
GRIFFIN, GEORGE, INC.
VOL. 388 PG. 187
D.B.C.T.

SUSANNE H. BOND
VOL. 1627 PG. 837
D.B.C.T.



NON-PROCESS PROPERTY
(NO WORK IN THIS AREA)



DESIGN	THE THOMPSON
DR	JA. BODIL
CHK	RE THOMPSON
MD	WILSON

NO.	1
DATE	1/22/2006

RECORD DRAWINGS	REVISION
BY	JA. BODIL
DATE	1/22/2006

VERIFY SCALE	SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING	0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	1

CH2MHILL

SEPA

REGION 6 DALLAS, TEXAS
ROCKWOOL INDUSTRIES
BELTON, TEXAS

SITE VICINITY MAP AND ACCESS PLAN

FILENAME: 06c1m11d_185014.dgn PLOT DATE: 01/23/2006

SHEET	2
DWG	C-2
DATE	JAN 2006
PROJ	185014

RECORD DRAWINGS

Prepared by: JB Date: 1-22-2006

THE INFORMATION PROVIDED IN THE RECORD DRAWINGS IS BASED ON INFORMATION PROVIDED BY THE RECORD DRAWING SUBMITTER. CH2M HILL AND ITS EMPLOYEES, AGENTS, OR SUBCONTRACTORS DO NOT WARRANT, REPRESENT, OR GUARANTEE THE ACCURACY, COMPLETENESS, OR TIMELINESS OF THE INFORMATION PROVIDED. CH2M HILL AND ITS EMPLOYEES, AGENTS, OR SUBCONTRACTORS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS, OMISSIONS, OR DELAYS IN THE RECORD DRAWINGS. CH2M HILL AND ITS EMPLOYEES, AGENTS, OR SUBCONTRACTORS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS, OMISSIONS, OR DELAYS IN THE RECORD DRAWINGS. CH2M HILL AND ITS EMPLOYEES, AGENTS, OR SUBCONTRACTORS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS, OMISSIONS, OR DELAYS IN THE RECORD DRAWINGS.

Appendices

Appendix 1



Daniel B. Stephens & Associates, Inc.



Photo #1

Date: November 23, 2010

Description: Looking SSE at MW-21. Note fence damage.

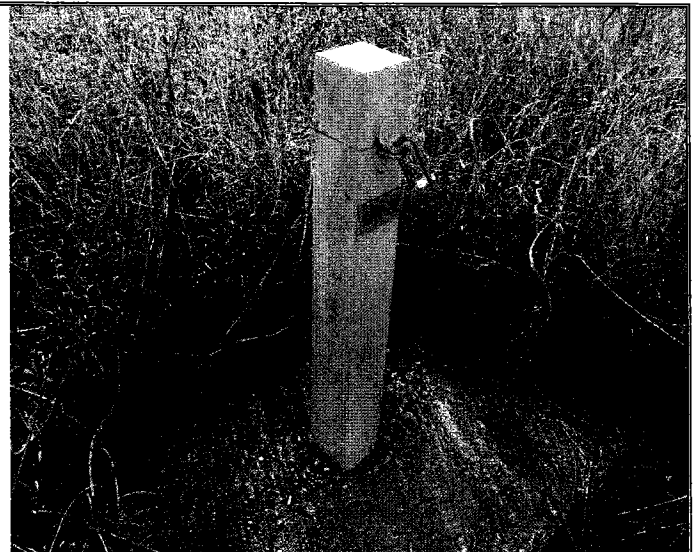


Photo #2

Date: November 23, 2010

Description: MW-22.



Photo #3

Date: November 23, 2010

Description: MW-20 with heavy vegetative growth on it.



Photo #4

Date: November 23, 2010

Description: From MW-20 looking NE across North Property.



Daniel B. Stephens & Associates, Inc.

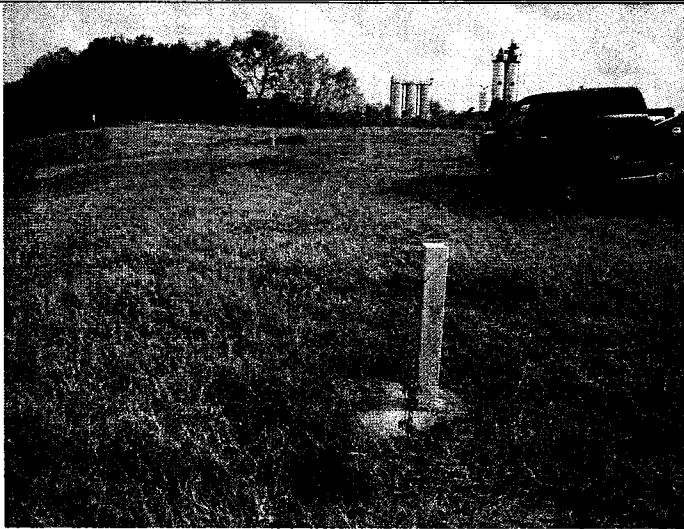


Photo #5
Date: November 23, 2010
Description: Looking ESE at MW-35-90.



Photo #6
Date: November 23, 2010
Description: MW-38-90 Looking north. Note vegetative growth



Photo #7
Date: November 23, 2010
Description: Plugged manhole on east side of the North Property



Photo #8
Date: November 23, 2010
Description: Boundary between asphalt parking area and North Property (S of former Evap. Lagoon). Note that fence is missing and truck tracks are evident onto site.



Daniel B. Stephens & Associates, Inc.

*Initial Site Visit Report
Rockwool Industries
Contract No. 582-10-91051/Work Order No. 248-0019
12/08/2010*



Photo #9

Date: November 23, 2010

Description: Truck tracks across North Property site from asphalt parking lot.



Photo #10

Date: November 23, 2010

Description: Inside of culvert junction box. Note culvert from the east is plugged.



Photo #11

Date: November 23, 2010

Description: Inside of culvert junction box. Note culvert from the east is plugged.



Photo #12

Date: November 23, 2010

Description: Looking north. Drainage swale west of former evaporation lagoon on the North Property.



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*Initial Site Visit Report
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12/08/2010*



Photo #13

Date: November 23, 2010

Description: Erosion at the end of drainage swale west of former evap. lagoon on North Property. Looking north.



Photo #14

Date: November 23, 2010

Description: Erosion at the end of drainage swale west of former evap. lagoon on North Property. Looking west.



Photo #15

Date: November 23, 2010

Description: Discharge to drainage culvert on North Property.



Photo #16

Date: November 23, 2010

Description: Close up of discharge to drainage culvert on North Property. Note trash and debris.



Daniel B. Stephens & Associates, Inc.



Photo #17
Date: November 23, 2010
Description: Looking east along Leon River embankment north of former evap. lagoon area.



Photo #18
Date: November 23, 2010
Description: Articulated blocks along Leon River embankment.



Photo #19
Date: November 23, 2010
Description: Looking west along Leon River embankment north of North Shot Pile Area.



Photo #20
Date: November 23, 2010
Description: Articulated blocks along Leon River embankment north of North Shot Pile Area.



Daniel B. Stephens & Associates, Inc.

*Initial Site Visit Report
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12/08/2010*



Photo #21

Date: November 23, 2010

Description: From Cemetery looking ENE at MW-15. Note downed fence.

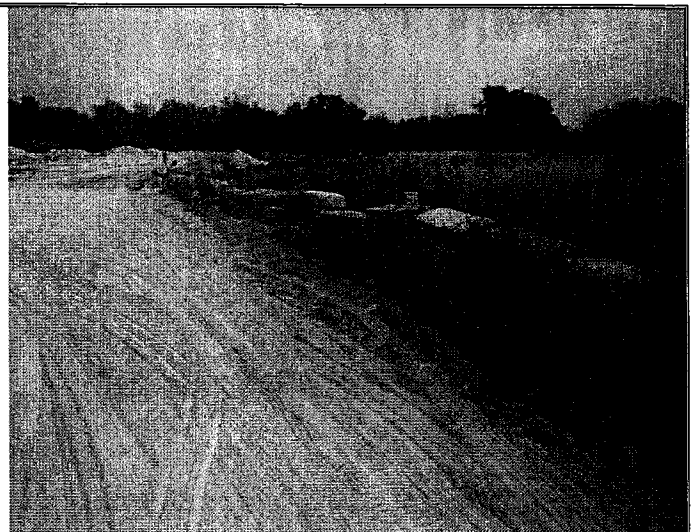


Photo #22

Date: November 23, 2010

Description: From Concrete Plant looking NNE across landfill. Note signage and possible landfill encroachment.

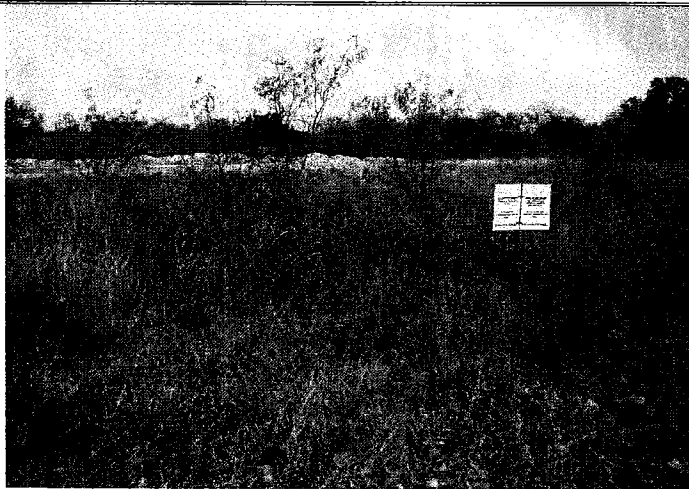


Photo #23

Date: November 23, 2010

Description: From Cemetery looking NNW across landfill w/ cement facility disturbance in background.



Photo #24

Date: November 23, 2010

Description: From Cemetery looking SSW across landfill w/ cement facility disturbance in background.



Daniel B. Stephens & Associates, Inc.

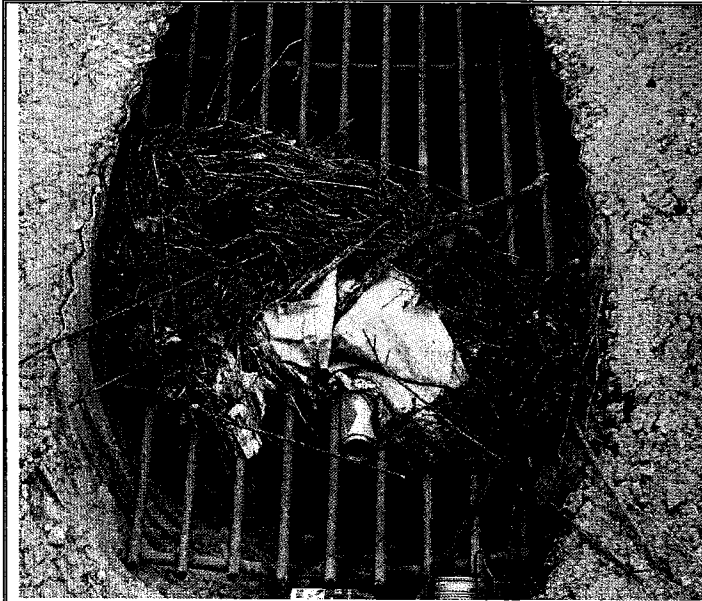


Photo #25

Date: November 23, 2010

Description: Drainage inlet under landfill between cemetery and concrete plant. Note trash/debris.



Photo #26

Date: November 23, 2010

Description: Discharge to drainage culverts under landfill between cemetery and concrete plant.



Photo #27

Date: November 23, 2010

Description: Discharge to drainage culverts under landfill between cemetery and concrete plant. Note hay bales on slope above discharge.

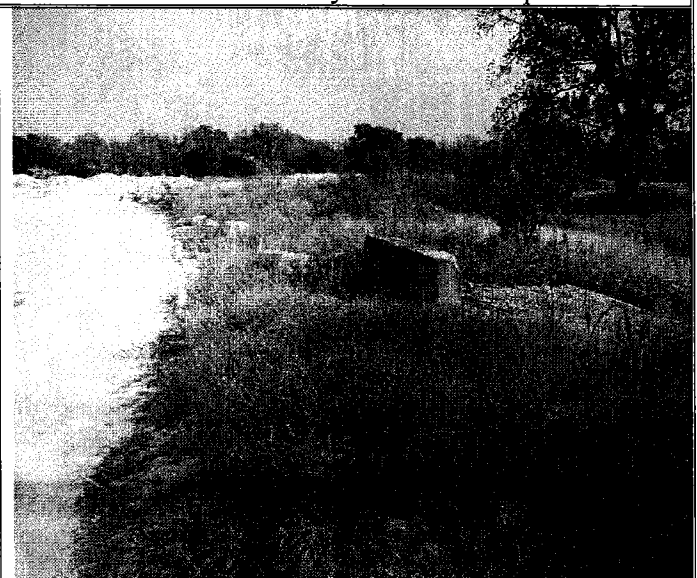


Photo #28

Date: November 23, 2010

Description: Looking NNE from concrete plant property at landfill and IC boundary.



Daniel B. Stephens & Associates, Inc.

*Initial Site Visit Report
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Contract No. 582-10-91051/Work Order No. 248-0019
12/08/2010*



Photo #29

Date: November 23, 2010

Description: Looking WNW along northern edge of containment cell cap (MATCON cover) on the Central Property.

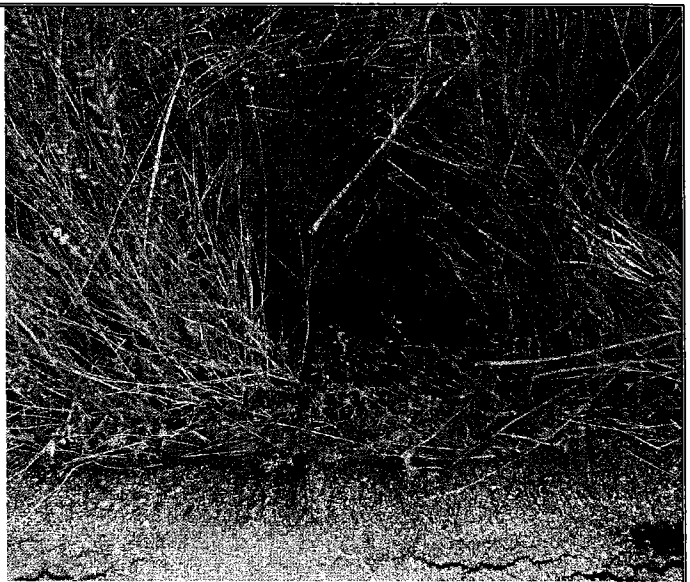


Photo #30

Date: November 23, 2010

Description: Erosion along the edge of containment cell cap with erosion control netting exposed.

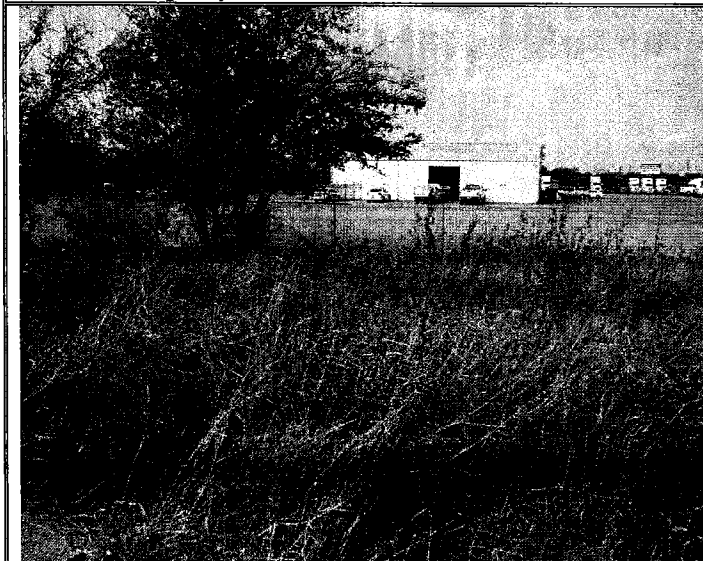


Photo #31

Date: November 23, 2010

Description: Looking west from central edge of MATCON cover. Note fence is damaged/non existent.

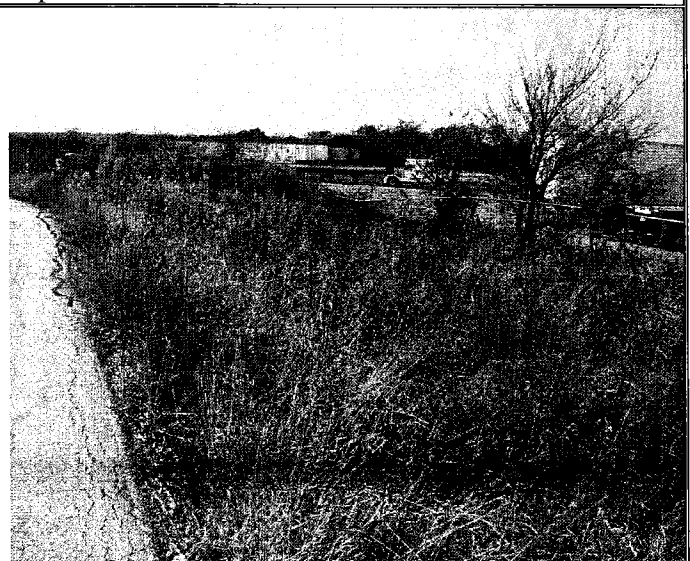


Photo #32

Date: November 23, 2010

Description: Looking SW from central edge of MATCON cover. Note fence damaged.



Daniel B. Stephens & Associates, Inc.

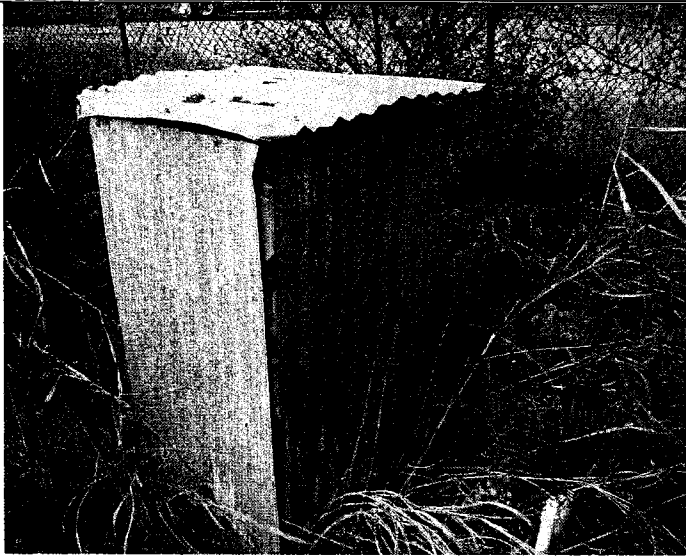


Photo #33
Date: November 23, 2010
Description: MW-7 tin covered housing.

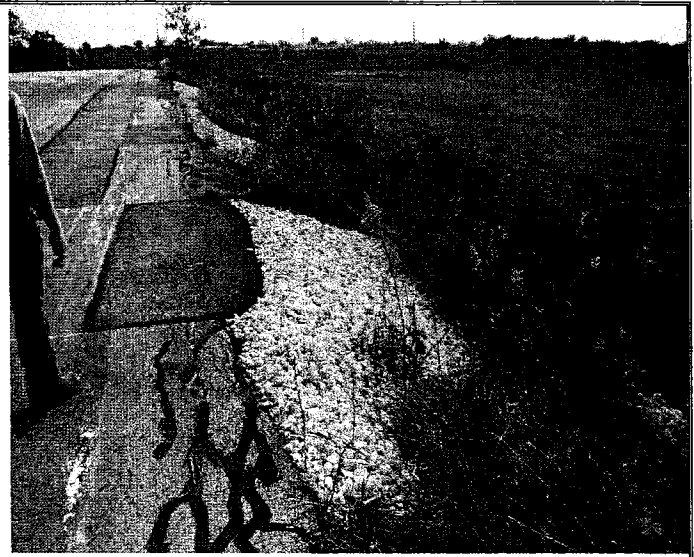


Photo #34
Date: November 23, 2010
Description: Erosion control along south edge of MATCON cover. Looking east.



Photo #35
Date: November 23, 2010
Description: Salt Cedar and other vegetative growth in berm along southern edge of MATCON cover.



Daniel B. Stephens & Associates, Inc.

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12/08/2010*



Photo #36

Date: November 23, 2010

Description: Non-Haz Waste labeled drums in former brick plant building.



Photo #37

Date: November 23, 2010

Description: Trash drums in former brick plant building.



Photo #38

Date: November 23, 2010

Description: Main Gate on FM 93 to the Central Property portion of the site.

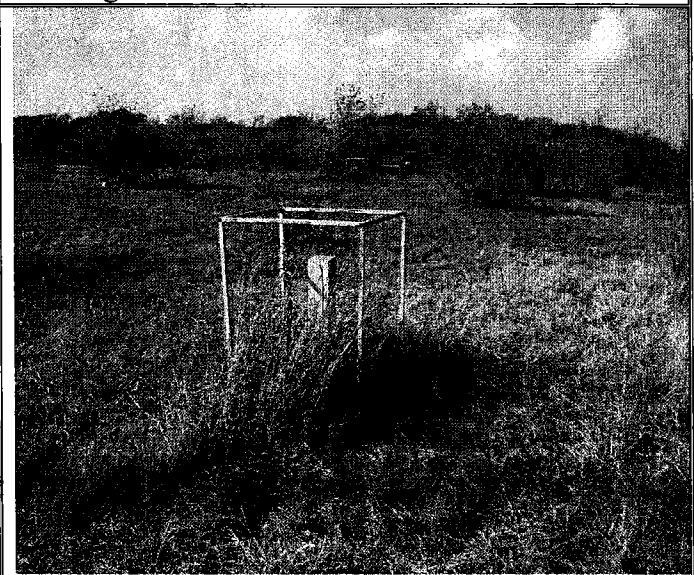


Photo #39

Date: November 23, 2010

Description: Looking WSW at MW-11 and MW-10. Note mesquite brush/trees.



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Rockwool Industries
Contract No. 582-10-91051/Work Order No. 248-0019
12/08/2010*



Photo #40

Date: November 23, 2010

Description: MW-17 on the Central Property. Note mesquite and other vegetative growth.

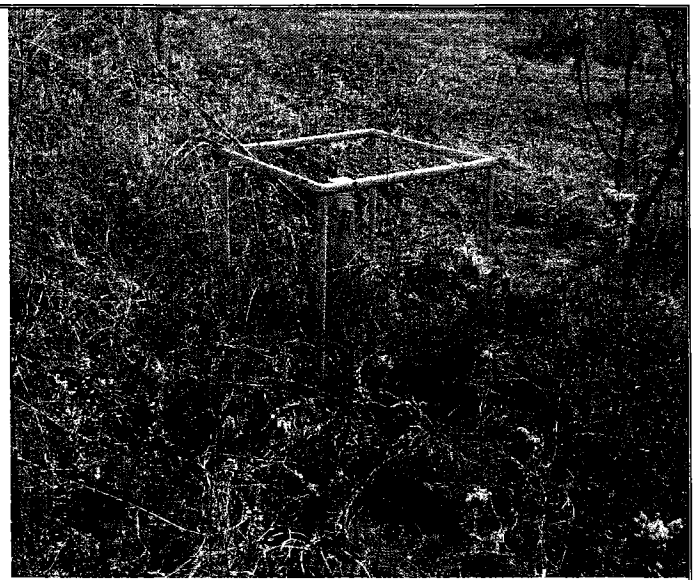


Photo #41

Date: November 23, 2010

Description: MW-14 on the Central Property.



Photo #42

Date: November 23, 2010

Description: MW-24-90 on the Central Property. Note lack of protective bollards/guard rail.



Photo #43

Date: November 23, 2010

Description: MW-16 on the Central Property. Note lack of protective bollards/guard rail.



Daniel B. Stephens & Associates, Inc.

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12/08/2010*



Photo #44

Date: November 23, 2010

Description: Looking SSW towards MW-27-90.
MATCON cover in background.



Photo #45

Date: November 23, 2010

Description: Looking WSW towards MW-28-90.
MATCON cover in background.

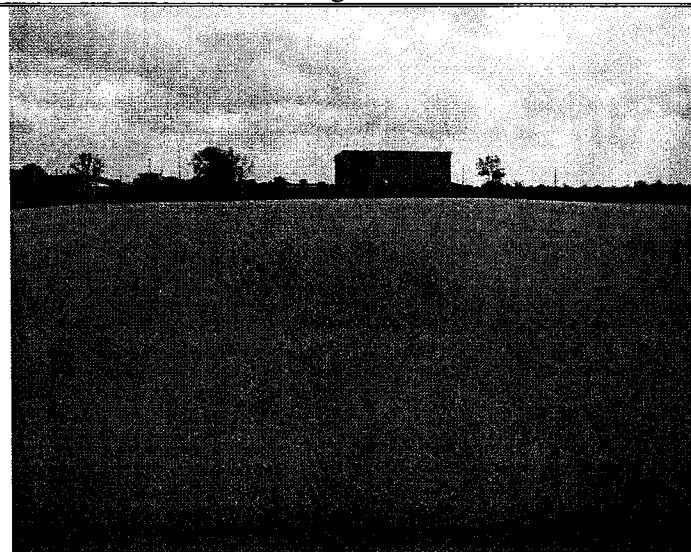


Photo #46

Date: November 23, 2010

Description: From MW-29-90 looking SE across
MATCON cover.

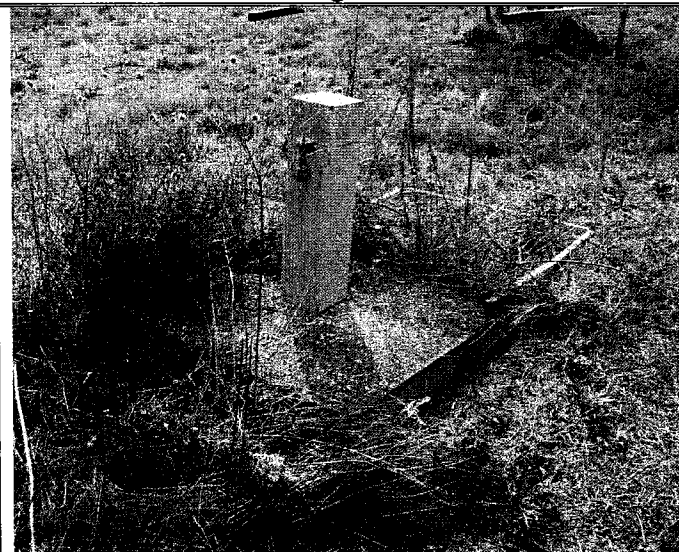


Photo #47

Date: November 23, 2010

Description: MW-9 with possible damaged
wellhead.



Daniel B. Stephens & Associates, Inc.

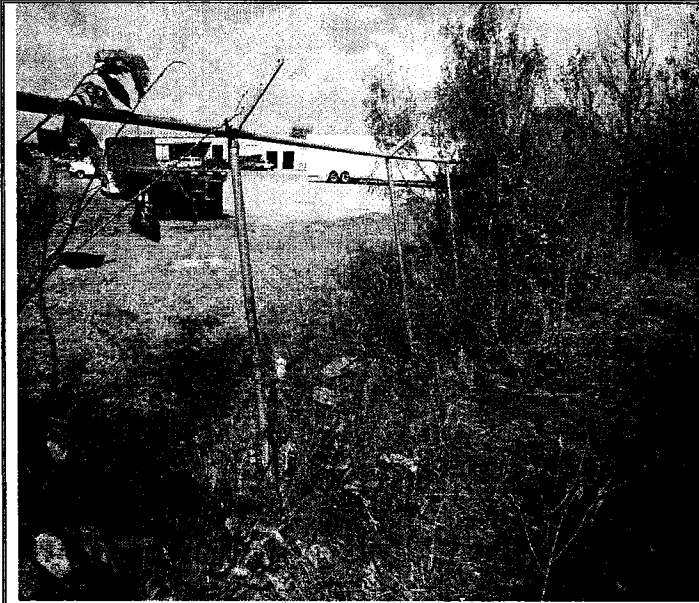


Photo #48

Date: November 23, 2010

Description: From SW corner of Central Property looking NNW. Note missing fence chain links.

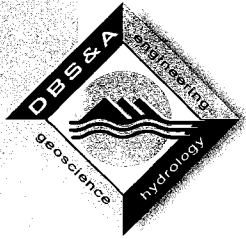


Photo #49

Date: November 23, 2010

Description: From Adjacent property west of Central Property looking NNE. Note damaged fence.

Appendix 2



January 7, 2011

Alvie Nichols, Project Manager
TCEQ Superfund Section,
Remediation Division, MC 136
P.O. Box 13087
Austin, TX 78711-3087

Re: Rockwool Industries, Inc. - Prepare a Sampling and Analysis Plan, sample and analyze groundwater from on-site monitor wells, and revise existing Operation and Maintenance Plan.

Dear Mr. Nichols:

Daniel B. Stephens and Associates, Inc. (DBS&A) is pleased to provide this scope of work and cost estimate in response to the Texas Commission on Environmental Quality's (TCEQ's) request for Remediation Services for the Rockwool Industries, Inc. Project. This cost estimate is based on a preliminary review of site documents, correspondence with the TCEQ, and an initial site visit by key personnel.

Sampling and Analysis Plan:

Contract Pay Item 3230-1 will be utilized to complete a site specific Sampling and Analysis Plan (SAP) in accordance with the Superfund Program QAPP.

Field Work:

Part of the required field work at the monitoring wells will be to remove the vegetation (trees/shrubs) around a few of the wells in order to access the wells for sampling purposes. This fieldwork is for only removing the amount of vegetation necessary to allow for sampling/monitoring activities to take place. No offsite disposal of cuttings is anticipated. Contract Pay Item 4860-1 will be used to document the costs associated with the Vegetative control measures. EPA Form 5700 was utilized to detail the cost build up. The hours allocated for the task are summarized below.

- Field Work at Monitor Wells is estimated to take 3hrs each of Mid Level Scientist and Field Technician time.

Additional Fieldwork to control overall site vegetative growth will be contracted out once the full scope of services is known and will include mowing/shrub removal from areas designated by the TCEQ to allow for better access to the monitoring wells, protect the capped areas, and comply with the appropriate City Ordinances regarding safety and fire prevention.

In addition, anticipated fieldwork to be contracted out will include rut repairs, installation/replacement of signs, remove vegetation and debris from drainage areas, cleanout existing drainage trash guards, repair/replace fences, repair or replace well pads and protective bollards.

Daniel B. Stephens & Associates, Inc.

Sample Monitor Wells:

Contract Pay Item 4400-1 "Groundwater Sample from Well using Low-Flow/Micropurge Pump" will be utilized to collect groundwater samples from 23 monitor wells in accordance with the approved SAP. Investigation derived waste (purge water) will be stored in 55-gallon drums (5320-1) in anticipation of disposal once analytical is known.

Analytical:

Antimony, Arsenic, and Lead are the Contaminants of Concern (COCs) for groundwater and the groundwater collected at each monitoring well will be analyzed for these compounds utilizing Contract Pay item 6340-2 "14-Dat TAT 3010/6010W Two to Twelve metals by ICP-AES with Aqueous, Acid Digestion for Total Metals by ICP". Data Review will be conducted utilizing Contract Pay item 6510-3 "7-day all method data review ten or less project samples within the batch. Shipping Costs will be included in Contract Pay Item 9100-1.

Operation and Maintenance Plan:

Contract Pay Item 3800-1 will be utilized to revise the existing Operation and Maintenance (O&M) Plan provided to DBS&A by the TCEQ. EPA Form 5700 was utilized to detail the cost build up. The hours allocated for the task are summarized below.

- Revising the existing O&M Plan is estimated to take 2 hours of Project Manager time, 8 hours of Senior Scientist time, 16 hours of Mid Level Scientist time, and 2 hours of Administrative time.

Operation and Maintenance (O&M) Report:

Results of the field event are anticipated to be documented in an O&M Report utilizing Contract Pay Item 3800-2. The O&M Report will be proposed at a later date once the full scope of services to be reported are determined.


Travel:

It is anticipated that it will require one hundred and forty eight (148) miles (Contract Pay Item 9210-1) of roundtrip travel and two hours of travel time for the Mid-level Scientist (Contract Pay Item 7100-9) and Field Technician (Contract Pay Item 7100-13) to travel to the site to perform the field event. One night of lodging (9200-2) and meals (9200-1) will be required for each personnel.

If you have any questions or comments about this proposal, please call me or Kevin Hopson at (512) 821-2765. We look forward to supporting you on this important project.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.


William Gamblin, P.E.
Project Manager

Enc.



Proposal/Work Order Amendment with Task-Level Detail

Date: 1/5/2011
DBSA Project No:
No: TXD066379
Project Name: Rockwool Industries, Inc.
Address: 1741 Taylor's Valley Road
City: Belton
State: TX

**SERVICES FOR ASSESSMENT,
 INVESTIGATION, REMEDIATION SERVICES
 (AIRS) 582-10-91051**

Task	Line Item	Description	Unit Price	Units	Total
	0 3230-1	RI SAP	\$6,923.00	1.00	\$6,923.00
	0 3800-1	Plans or Reports Not Otherwise Specified	\$2,370.85	1.00	\$2,370.85
	0 4400-2	Groundwater Sample from Well using Low Flow/Micropurge Pump Well	\$148.35	23.00	\$3,412.05
	0 4860-1	Field Work Not Otherwise Specified	\$406.43	1.00	\$406.43
	0 5320-1	Drum/ Barrel, 55 Gallon	\$49.45	5.00	\$247.25
	0 6510-3	7-Day All Method(s) Data Review ten (10) or less project samples within the batch	\$573.62	3.00	\$1,720.86
	0 7100-13	Field Technician	\$57.85	2.00	\$115.70
	0 7100-9	Mid-Level Scientist/Engineer	\$71.26	2.00	\$142.52
	1 6340-2	14-Day TAT 3010/6010W Two to Twelve Metals by ICP-AES (EPA 6010C Or Most Recent Version) with Aqueous, Acid Digestion for Total Metals by ICP (EPA 3010A Or Most Recent Version)	\$74.18	23.00	\$1,706.14
	1 9100-1	Shipping Costs	\$400.00	1.00	\$400.00
	2 9200-1	Meals	\$36.00	2.00	\$72.00
	2 9210-1	Light Vehicle Mileage Rate	\$0.50	148.00	\$74.00
	3 9200-2	Lodging	\$85.00	2.00	\$170.00
TASK TOTAL:					\$17,760.80
GRAND TOTAL:					\$17,760.80

EXHIBIT 8
EPA FORM 5700-41 FORMAT

EPA	COST OR PRICE SUMMARY			FORM 5700
1. RECIPIENT Texas Commission on Environmental Quality		2. ASSISTANCE IDENTIFICATION NO.		
3. NAME OF CONTRACTOR OR SUBCONTRACTOR Daniel B. Stephens & Associates		4. DATE OF PROPOSAL 01/07/2011		
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTOR 4030 W. Braker Ln. Suite 325, Austin, TX 78759		6. TYPE OF SERVICE TO BE PROVIDED 3800-1 Revise Operation and Maintenance Plan		
PART II COST SUMMARY				
7. DIRECT LABOR	ESTIMATED HOURS	HOURLY RATE	ESTIMATED COST	TOTALS
Program Director			\$ -	
Project Manager	2	\$113.07	\$ 226.14	
Sr. Scientist/Engr	8	\$93.93	\$ 751.44	
Mid-Level Scientist/Engr	16	\$67.97	\$ 1,087.52	
Project Geoscientist			\$ -	
Jr. Scientist/Engr			\$ -	
CAD Operator/Draftsmen		\$56.08	\$ -	
Administrative	2	\$ 45.11	\$ 90.22	
DIRECT LABOR TOTAL				\$ 2,155.32
8. INDIRECT COSTS	RATE	x BASE=	ESTIMATED COST	
Overhead and Fringes		\$ -	\$ -	
G & A		\$ -	\$ -	
INDIRECT COST TOTAL				\$ -
9. OTHER DIRECT COSTS				
a. Travel	QUANTITY	RATE	ESTIMATED COST	
		\$ 0.50	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
TRAVEL SUBTOTAL			\$ -	
b. Equipment, Materials, Supplies	QUANTITY	RATE	ESTIMATED COST	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
EQUIPMENT SUBTOTAL			\$ -	
c. Subcontracts	QUANTITY	RATE	ESTIMATED COST	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
SUBCONTRACTS SUBTOTAL			\$ -	
d. Other	QUANTITY	RATE	ESTIMATED COST	
Internal Costs		\$ -	\$ -	
Other Costs		\$ -	\$ -	
OTHER SUBTOTAL			\$ -	
OTHER DIRECT COSTS TOTAL				\$ -
10. TOTAL ESTIMATED COSTS				\$ 2,155.32
11. PROFIT				\$ 215.53
12. TOTAL PRICE				\$ 2,370.85

PART III PRICE SUMMARY		
13. COMPETITOR'S CATALOG LISTINGS, IN HOUSE ESTIMATES, PRIOR QUOTES (Indicate basis for price comparison)	MARKET PRICES	PROPOSED PRICES
PART IV - CERTIFICATIONS		
14. CONTRACTOR Daniel B. Stephens & Associates, Inc.		
14a. HAS A FEDERAL AGENCY OR A FEDERALLY CERTIFIED STATE OR LOCAL AGENCY PERFORMED ANY REVIEW OF YOUR ACCOUNTS OR RECORDS IN CONNECTION WITH ANY OTHER FEDERAL ASSISTANCE AGREEMENT WITHIN THE PAST 12 MONTHS? <div style="display: flex; justify-content: space-between; align-items: flex-start;"> _____ YES ___X___ NO (If "YES" give name, address, and telephone number of reviewing office) </div>		
14.b THIS SUMMARY CONFORMS WITH THE FOLLOWING COST PRINCIPLES		
14.c THIS PROPOSAL IS SUBMITTED FOR USE IN CONNECTION WITH AND IN RESPONSE TO: TCEQ Assesment, Investigation and Removal Services Contract No. 582-10-91051		
This is to certify to the best of my knowledge and belief that the cost and pricing data summarized herein are current and accurate as of		
I further certify that a financial management capability exists to fully account for the financial transactions under this agreement. I further certify that I understand that the subagreement price may be subject to downward renegotiation and/or recoupment if the above cost and pricing data have been determined, as a result of audit, not to have been complete, current, and accurate as of the date above.		
TITLE OF PROPOSER Program Manager	SIGNATURE OF PROPOSER	DATE OF EXECUTION 1/7/2011
15. RECIPIENT REVIEWER Certify that I have reviewed the cost/price summary set forth herein and the proposed costs/prices appear acceptable for subagreement award.		
TITLE OF REVIEWER	SIGNATURE OF REVIEWER	DATE OF EXECUTION
16. EPA REVIEWER		
TITLE OF REVIEWER	SIGNATURE OF REVIEWER	DATE OF EXECUTION

EXHIBIT 8
EPA FORM 5700-41 FORMAT

EPA	COST OR PRICE SUMMARY			FORM 5700
1. RECIPIENT Texas Commission on Environmental Quality		2. ASSISTANCE IDENTIFICATION NO.		
3. NAME OF CONTRACTOR OR SUBCONTRACTOR Daniel B. Stephens & Associates		4. DATE OF PROPOSAL 01/07/2011		
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTOR 4030 W. Braker Ln. Suite 325, Austin, TX 78759		6. TYPE OF SERVICE TO BE PROVIDED 4860-1 Field Work		
PART II COST SUMMARY				
7. DIRECT LABOR	ESTIMATED HOURS	HOURLY RATE	ESTIMATED COST	TOTALS
Program Director			\$ -	
Project Manager			\$ -	
Sr. Scientist/Engr			\$ -	
Mid-Level Scientist/Engr	3	\$67.97	\$ 203.91	
Field Technician	3	\$55.19	\$ 165.57	
Jr. Scientist/Engr			\$ -	
Support Staff			\$ -	
Administrative			\$ -	
DIRECT LABOR TOTAL				\$ 369.48
8. INDIRECT COSTS	RATE	x BASE=	ESTIMATED COST	
Overhead and Fringes		\$ -	\$ -	
G & A		\$ -	\$ -	
INDIRECT COST TOTAL				\$ -
9. OTHER DIRECT COSTS				
a. Travel	QUANTITY	RATE	ESTIMATED COST	
		\$ 0.50	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
TRAVEL SUBTOTAL			\$ -	
b. Equipment, Materials, Supplies	QUANTITY	RATE	ESTIMATED COST	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
EQUIPMENT SUBTOTAL			\$ -	
c. Subcontracts	QUANTITY	RATE	ESTIMATED COST	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
SUBCONTRACTS SUBTOTAL			\$ -	
d. Other	QUANTITY	RATE	ESTIMATED COST	
Internal Costs		\$ -	\$ -	
Other Costs		\$ -	\$ -	
OTHER SUBTOTAL			\$ -	
OTHER DIRECT COSTS TOTAL				\$ -
10. TOTAL ESTIMATED COSTS				\$ 369.48
11. PROFIT				\$ 36.95
12. TOTAL PRICE				\$ 406.43

PART III PRICE SUMMARY

13. COMPETITOR'S CATALOG LISTINGS, IN HOUSE ESTIMATES, PRIOR QUOTES (Indicate basis for price comparison)	MARKET PRICES	PROPOSED PRICES

PART IV - CERTIFICATIONS

14. CONTRACTOR **Daniel B. Stephens & Associates, Inc.**

14a. HAS A FEDERAL AGENCY OR A FEDERALLY CERTIFIED STATE OR LOCAL AGENCY PERFORMED ANY REVIEW OF YOUR ACCOUNTS OR RECORDS IN CONNECTION WITH ANY OTHER FEDERAL ASSISTANCE AGREEMENT WITHIN THE PAST 12 MONTHS?

_____ YES X NO (If "YES" give name, address, and telephone number of reviewing office)

14.b THIS SUMMARY CONFORMS WITH THE FOLLOWING COST PRINCIPLES

14.c THIS PROPOSAL IS SUBMITTED FOR USE IN CONNECTION WITH AND IN RESPONSE TO:

TCEQ Assessment, Investigation and Removal Services Contract No. 582-10-91051

This is to certify to the best of my knowledge and belief that the cost and pricing data summarized herein are current and accurate as of

I further certify that a financial management capability exists to fully account for the financial transactions under this agreement. I further certify that I understand that the subagreement price may be subject to downward renegotiation and/or recoupment if the above cost and pricing data have been determined, as a result of audit, not to have been complete, current, and accurate as of the date above.

TITLE OF PROPOSER Program Manager	SIGNATURE OF PROPOSER	DATE OF EXECUTION 1/7/2011
-----------------------------------	-----------------------	----------------------------

15. RECIPIENT REVIEWER

Certify that I have reviewed the cost/price summary set forth herein and the proposed costs/prices appear acceptable for subagreement award.

TITLE OF REVIEWER	SIGNATURE OF REVIEWER	DATE OF EXECUTION
-------------------	-----------------------	-------------------

16. EPA REVIEWER

TITLE OF REVIEWER	SIGNATURE OF REVIEWER	DATE OF EXECUTION
-------------------	-----------------------	-------------------