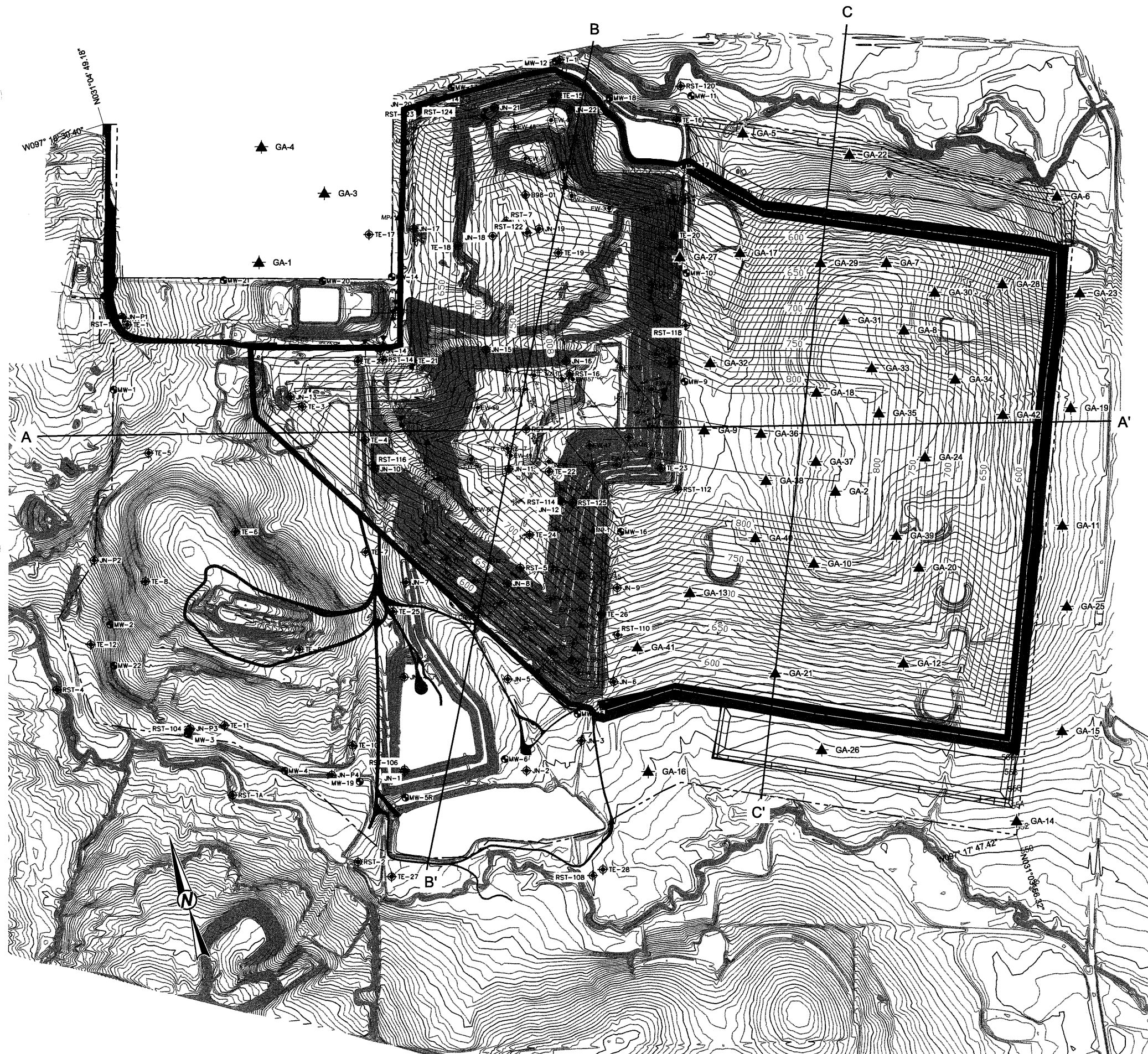


FIGURES



LEGEND

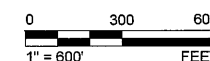
- | | |
|---|--|
|  | PERMIT BOUNDARY |
|  750 | MAJOR CONTOUR - FINAL COVER |
|  | MINOR CONTOUR - FINAL COVER |
|  | MAJOR CONTOUR - EXISTING TOPOGRAPHY |
|  | MINOR CONTOUR - EXISTING TOPOGRAPHY |
|  GA-21 | GOLDER BOREHOLE |
|  MW-21 | EXISTING MONITORING WELL |
|  JN-21 | NON-GOLDER BOREHOLE
(RST-21, JN-21 AND TE-21) |

NOTES

1. NON-GOLDER BORINGS ARE FROM RUST E&I (1999) PREVIOUS PERMIT.
2. TOPOGRAPHY INSIDE EXPANSION AREA COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED MARCH 6, 2015.

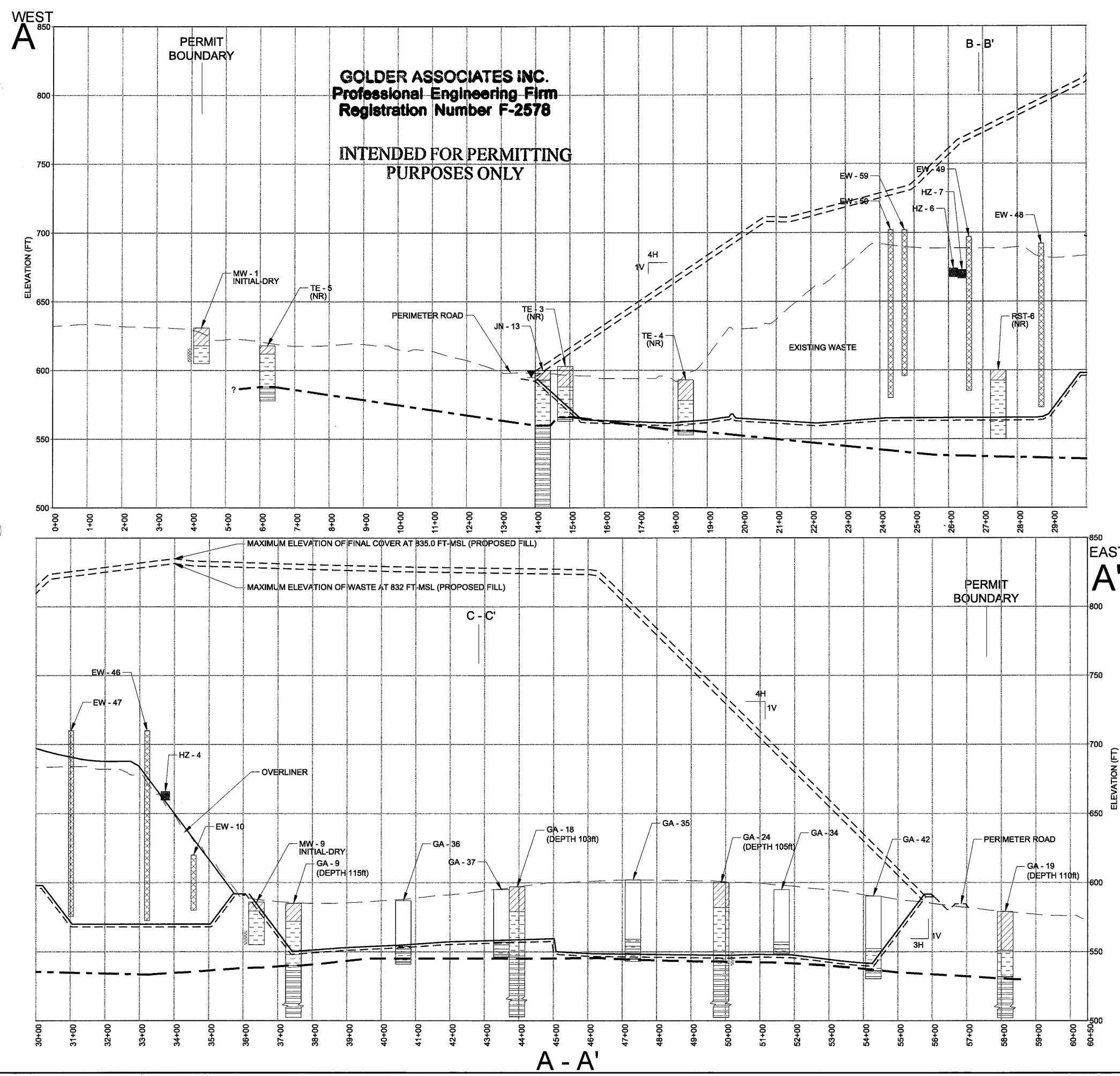
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Professional Engineering Firm
Registration Number F-2578

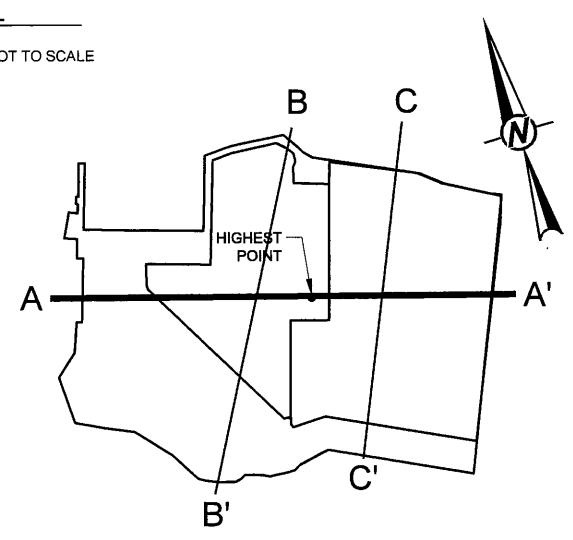


PROJECT		CLIENT		
PERMIT AMENDMENT APPLICATION MSW 692B TEMPLE RECYCLING AND DISPOSAL FACILITY BELL COUNTY, TEXAS		 CITY OF TEMPLE temple	HOUSTON 500 CENTURY PLAZA DR., SUITE 190 HOUSTON, TX 77073 USA (281) 821-6868 www.golder.com	
TITLE			CONSULTANT	
FILL CROSS SECTIONS LOCATION MAP		 Golder Associates		
PROJECT NO.				
1400336	APPLICATION SECTION III Attachment 3			
REV.		FIGURE		
0	3 of 18	III-3-3.1		

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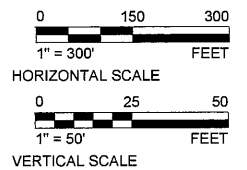
DETAIL
KEY MAP
SCALE: NOT TO SCALE



LEGEND

---	FINAL COVER		RESIDUAL CLAY
---	EXISTING TOPOGRAPHY		WEATHERED CLAYSTONE
---	CLAY GRADE		UNWEATHERED CLAYSTONE
---	EXCAVATION GRADE		NO DATA
---	UNWEATHERED/WEATHERED INTERFACE		STATIC WATER LEVEL
---	UNWEATHERED/WEATHERED INFERRED BY OTHERS		INITIAL WATER LEVEL
	SCREENED INTERVAL		HORIZONTAL GAS WELL
	GOLDER BORING (NOTE 3 AND 4)		GAS WELL
	TRINITY ENGINEERING BORING		END DATA FOR UNWEATHERED/WEATHERED INFERRED BY OTHERS
	JONES AND NEUSE BORING		GROUNDWATER LEVEL NOT RECORDED
	RUST ENVIRONMENT & INFRASTRUCTURE BORING		
	MONITORING WELL		

- NOTES**
1. THE INITIAL WATER LEVEL IS THAT LEVEL AT THE TIME OF DRILLING AS REPORTED ON THE BORING LOG. THE STATIC WATER LEVEL IS THAT LEVEL SOMETIME AFTER DRILLING AS REPORTED ON THE BORING LOG.
 2. NO TOE BERMS ARE PRESENT OR PROPOSED.
 3. ALL THE GOLDER BORINGS (GA SERIES) WERE DRILLED VIA WET ROTARY METHOD WHERE WATER WAS USED DURING DRILLING, THEREFORE NO INITIAL WATER LEVEL WAS RECORDED. NO STATIC WATER LEVEL WAS RECORDED EITHER DUE TO THE SOIL CONDITIONS AND WATER LEVEL DID NOT EQUALIZE WITHIN 24 HOURS.
 4. SOME OF THE GOLDER BORINGS (GA SERIES) WERE PERFORMED ONLY FOR THE PURPOSE OF IDENTIFYING THE WEATHERED/UNWEATHERED ROCK INTERFACE, THEREFORE, THE TOP CLAY LAYER (~40R) WERE NOT LOGGED. THESE EXTRA BORINGS WERE NOT PART OF THE BORING PROPOSED IN THE TCEQ APPROVED SITE BORING PLAN.



PROJECT PERMIT AMENDMENT APPLICATION MSW 692B TEMPLE RECYCLING AND DISPOSAL FACILITY BELL COUNTY, TEXAS	CLIENT CITY OF TEMPLE	CONSULTANT Golder Associates	1	2016-12	RESPONSE TO 1ST NOD MX	TNB	MX	CGD				
			0	2016-06-10	INITIAL SUBMITTAL	DMW	TNB	JBF	CGD			
			REV. YYY-MM-DD DESCRIPTION						DESIGNED	PREPARED	REVIEWED	APPROVED
TITLE FILL CROSS SECTION A - A'			PROJECT NO. 1400336									
FIGURE III-3-3.2			APPLICATION SECTION III Attachment 3									

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

NOI
B



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LEGEND

- ## NOTES

-
- 0 150 300
1" = 300' FEET
HORIZONTAL SCALE
- 0 25 50
1" = 50' FEET
VERTICAL SCALE



CITY OF
TEMPLE



**Golder
Associates**

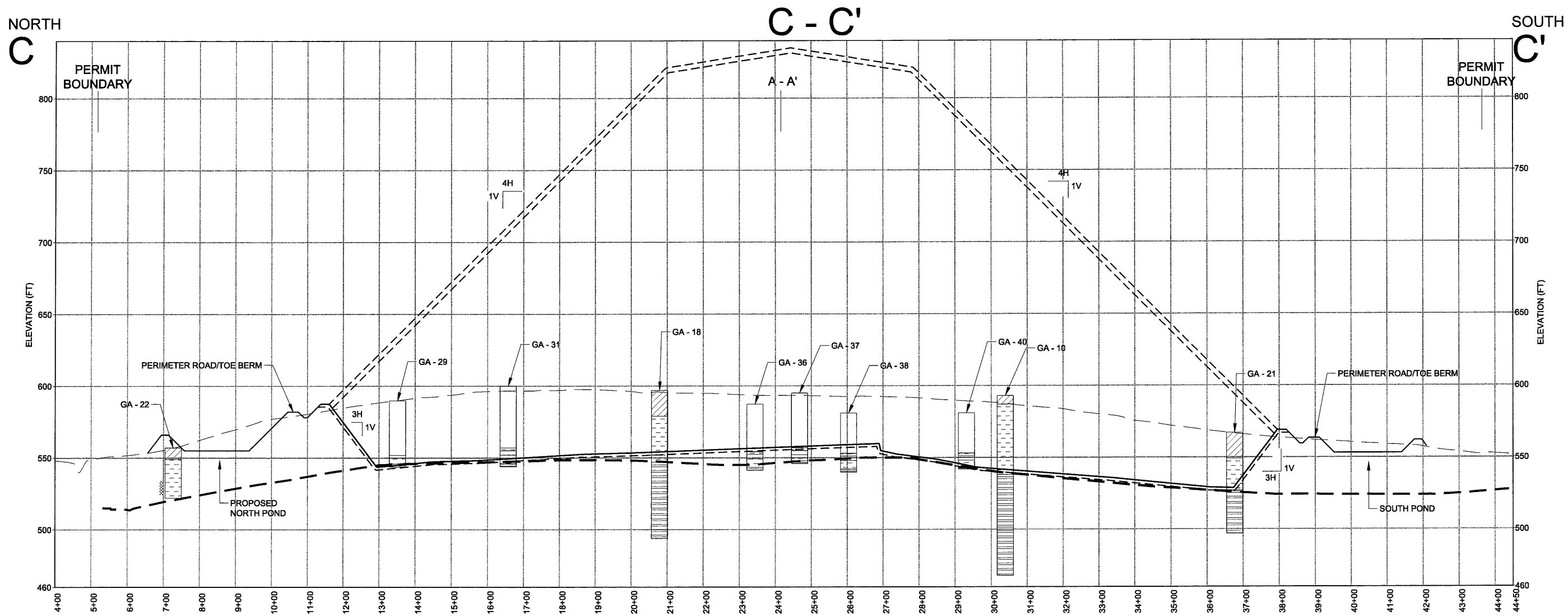
TITLE	PROJECT NO.	APPLICATION SECTION
FILL CROSS SECTION B - B'	1400336	III Attachment 3

1	2016-12	RESPONSE TO 1ST NOD MX	MX	CGD
0	2016-06-10	INITIAL SUBMITTAL	JBF	CGD
REV	YYYY-MM-DD	DESCRIPTION	DESIGNED	PREPARED
			REVIEWED	APPROVED

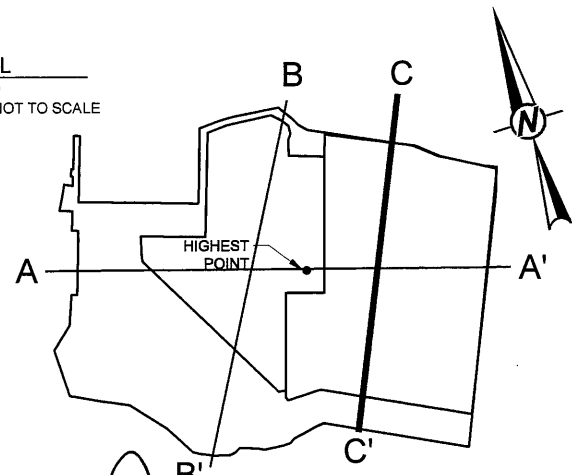
REV. 5 of 18 FIGURE
0 III-3-3.3

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSIB

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DETAIL
KEY MAP
SCALE: NOT TO SCALE



LEGEND

--- FINAL COVER	RESIDUAL CLAY
- - - EXISTING TOPOGRAPHY	WEATHERED CLAYSTONE
— CLAY GRADE	UNWEATHERED CLAYSTONE
- - - EXCAVATION GRADE	NO DATA
- - - UNWEATHERED/WEATHERED INTERFACE	▼ STATIC WATER LEVEL
- - - UNWEATHERED/WEATHERED INFERRED BY OTHERS	▽ INITIAL WATER LEVEL
SCREENED INTERVAL	HZ - 3 HORIZONTAL GAS WELL
GA - 3 GOLDER BORING (NOTE 2 AND 3)	EW - 3 GAS WELL

NOTES

1. THE INITIAL WATER LEVEL IS THAT LEVEL AT THE TIME OF DRILLING AS REPORTED ON THE BORING LOG. THE STATIC WATER LEVEL IS THAT LEVEL SOMETIME AFTER DRILLING AS REPORTED ON THE BORING LOG.
2. ALL THE GOLDER BORINGS (GA SERIES) WERE DRILLED VIA WET ROTARY METHOD WHERE WATER WAS USED DURING DRILLING, THEREFORE NO INITIAL WATER LEVEL WAS RECORDED. NO STATIC WATER LEVEL WAS RECORDED EITHER DUE TO THE SOIL CONDITIONS AND WATER LEVEL DID NOT EQUALIZE WITHIN 24 HOURS.
3. SOME OF THE GOLDER BORINGS (GA SERIES) WERE PERFORMED ONLY FOR THE PURPOSE OF IDENTIFYING THE WEATHERED/UNWEATHERED ROCK INTERFACE, THEREFORE, THE TOP CLAY LAYER (~40R) WERE NOT LOGGED. THESE EXTRA BORINGS WERE NOT PART OF THE BORING PROPOSED IN THE TCEQ APPROVED SITE BORING PLAN.

SCALE

HORIZONTAL SCALE
0 150 300
1" = 300' FEET

VERTICAL SCALE
0 25 50
1" = 50' FEET

GOLDER ASSOCIATES INC.
Professional Engineering Firm
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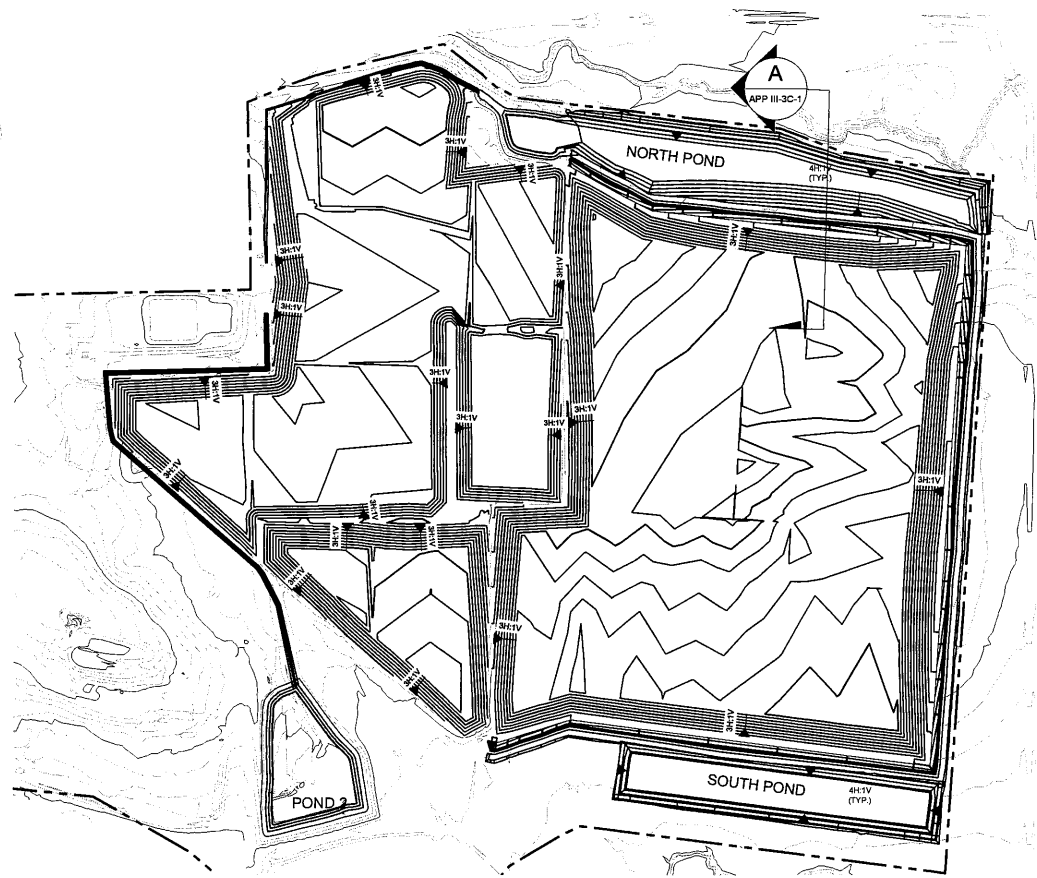
CLIENT CITY OF TEMPLE	CONSULTANT Golder Associates			
	HOUSTON 500 CENTURY PLAZA DR., SUITE 190 HOUSTON, TX 77073 USA (281) 821-6868 www.golder.com			
	PROJECT PERMIT AMENDMENT APPLICATION MSW 692B TEMPLE RECYCLING AND DISPOSAL FACILITY BELL COUNTY, TEXAS			
	TITLE FILL CROSS SECTION C - C'			

PROJECT NO. 1400336	APPLICATION SECTION III Attachment 3	FIGURE III-3-3.4
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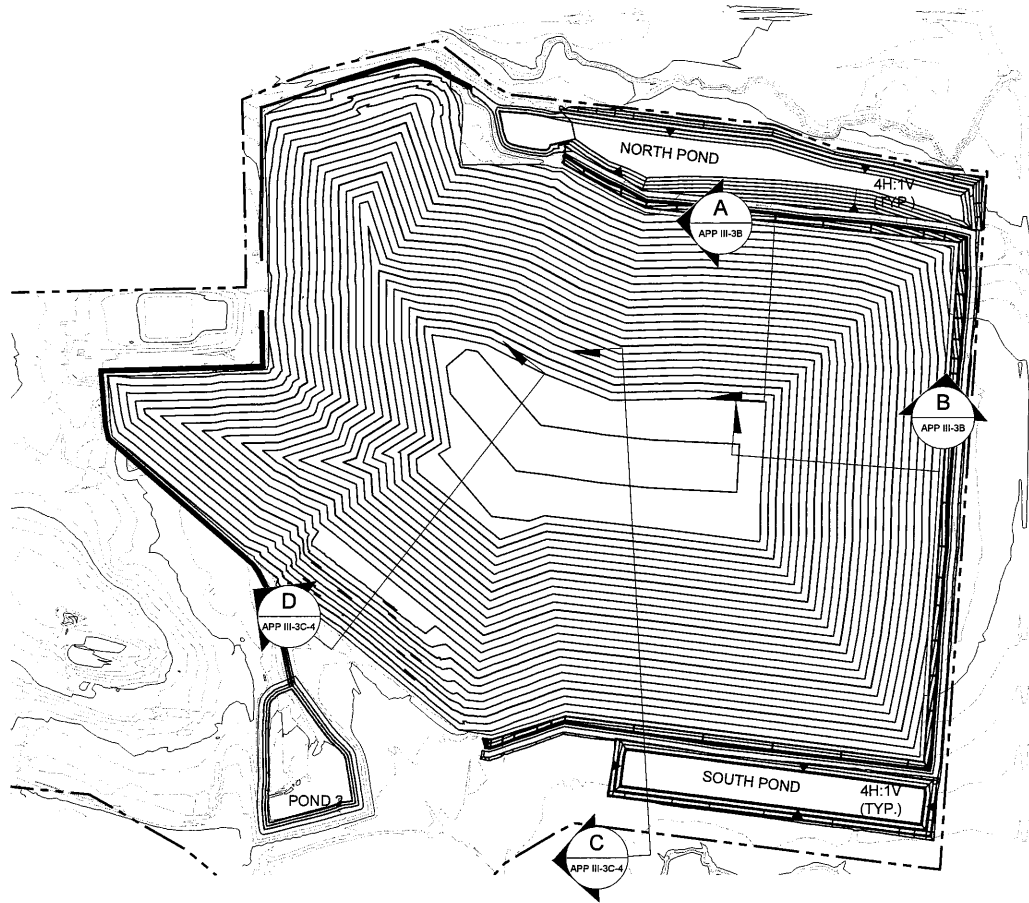
REV. 0	6 of 18	FIGURE
--------	---------	--------

1	2016-12	RESPONSE TO 1ST NOD MX	TNB	MX	CGD
0	2016-06-10	INITIAL SUBMITTAL	DMW	TNB	JBF
REV.	YYYY-MM-DD	DESCRIPTION	DESIGNED	PREPARED	REVIEWED
					APPROVED

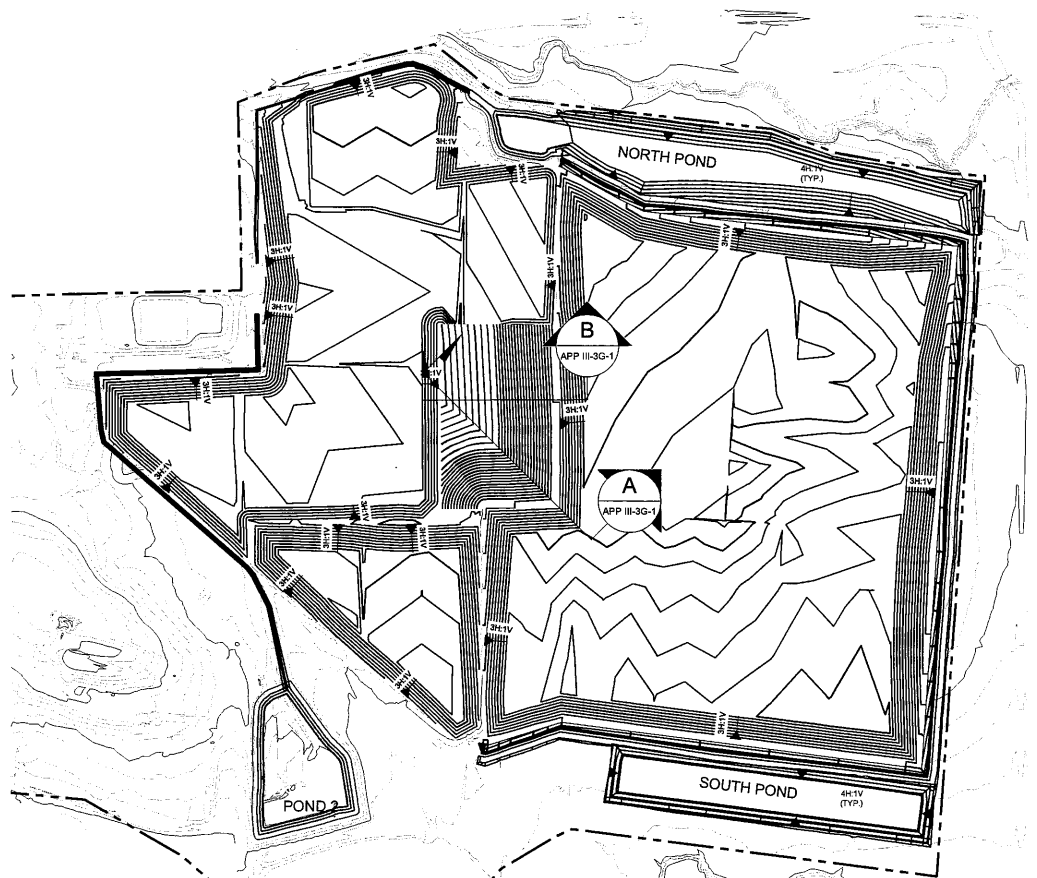
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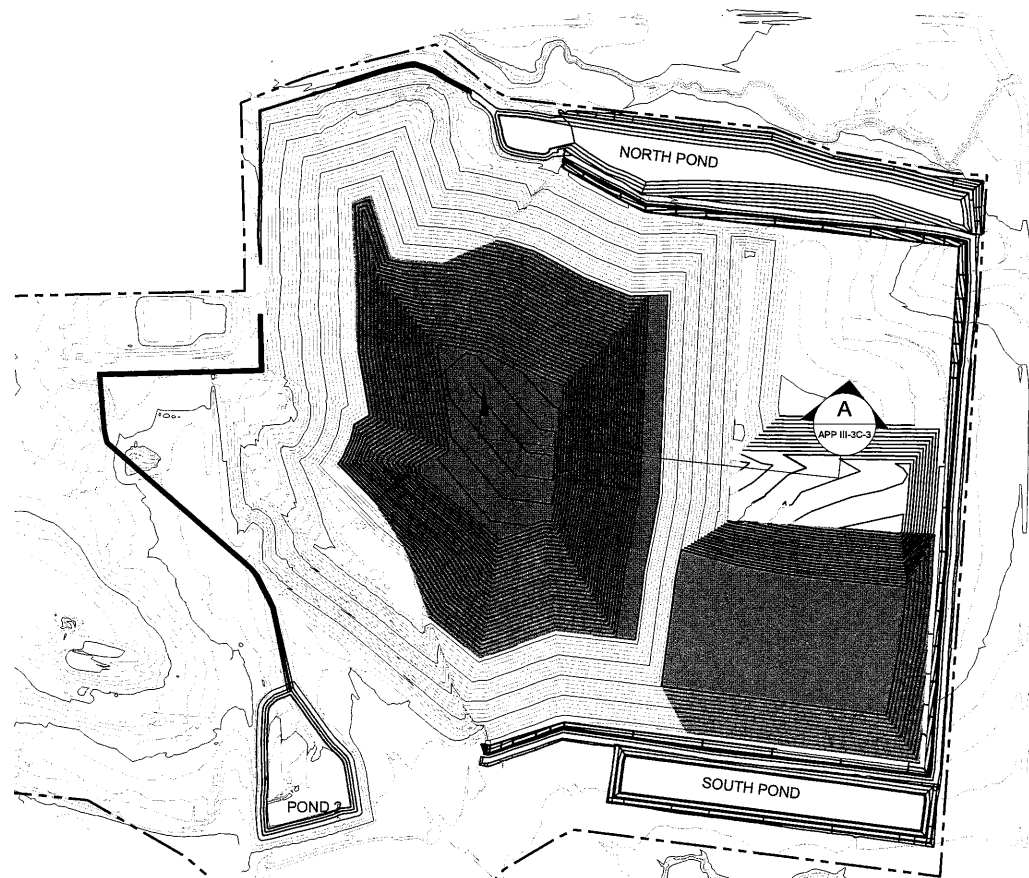
1" = 1000' 1 EXCAVATION STABILITY CALCULATION CROSS-SECTION LOCATION



1" = 1000' 2 FINAL CONFIGURATION STABILITY ANALYSIS CROSS-SECTION LOCATIONS



1" = 1000' 3 OVERLINER SETTLEMENT ANALYSIS CROSS-SECTION LOCATIONS



1" = 1000' 4 INTERIOR WASTE SLOPE STABILITY OPERATION FILL SEQUENCE PHASE 5 (FIGURE II-7.5)

LEGEND
--- PERMIT BOUNDARY
■ FILL AREA

NOTES
1. TOPOGRAPHY COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED MARCH 6, 2015.

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0 500 1000
1" = 1000' FEET



PROJECT
PERMIT AMENDMENT APPLICATION MSW 692B
TEMPLE RECYCLING AND DISPOSAL FACILITY
BELL COUNTY, TEXAS

TITLE
GEOTECHNICAL ANALYSIS, SECTION
LOCATIONS

PROJECT NO.
1400336

APPLICATION SECTION
III Attachment 3

CLIENT
CITY OF
TEMPLE



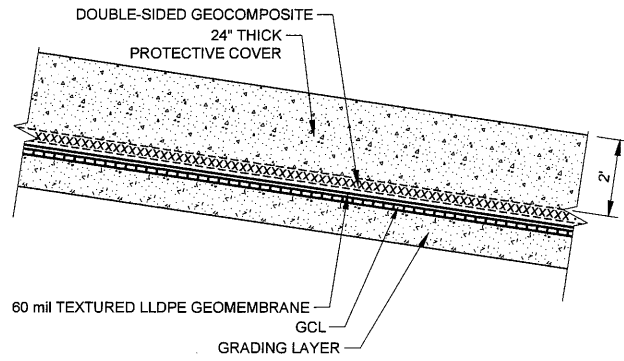
CONSULTANT



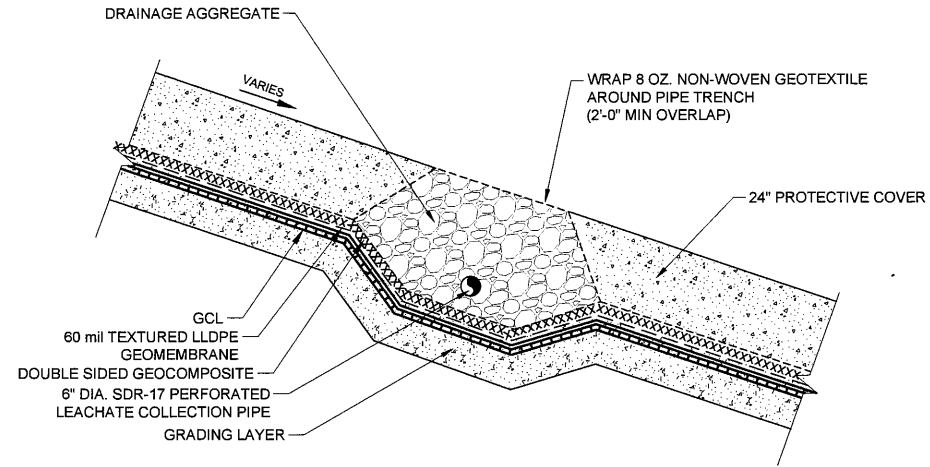
HOUSTON
500 CENTURY PLAZA DR., SUITE 190
HOUSTON, TX 77073
USA
(281) 821-6868
www.golder.com

REV. 0 7 of 18 FIGURE
III-3-4

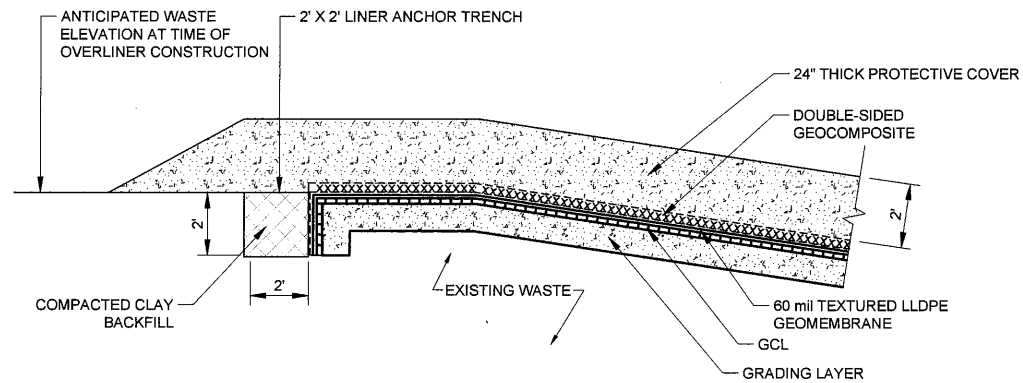
\\houston\houston\houston\1400336A\119.dwg



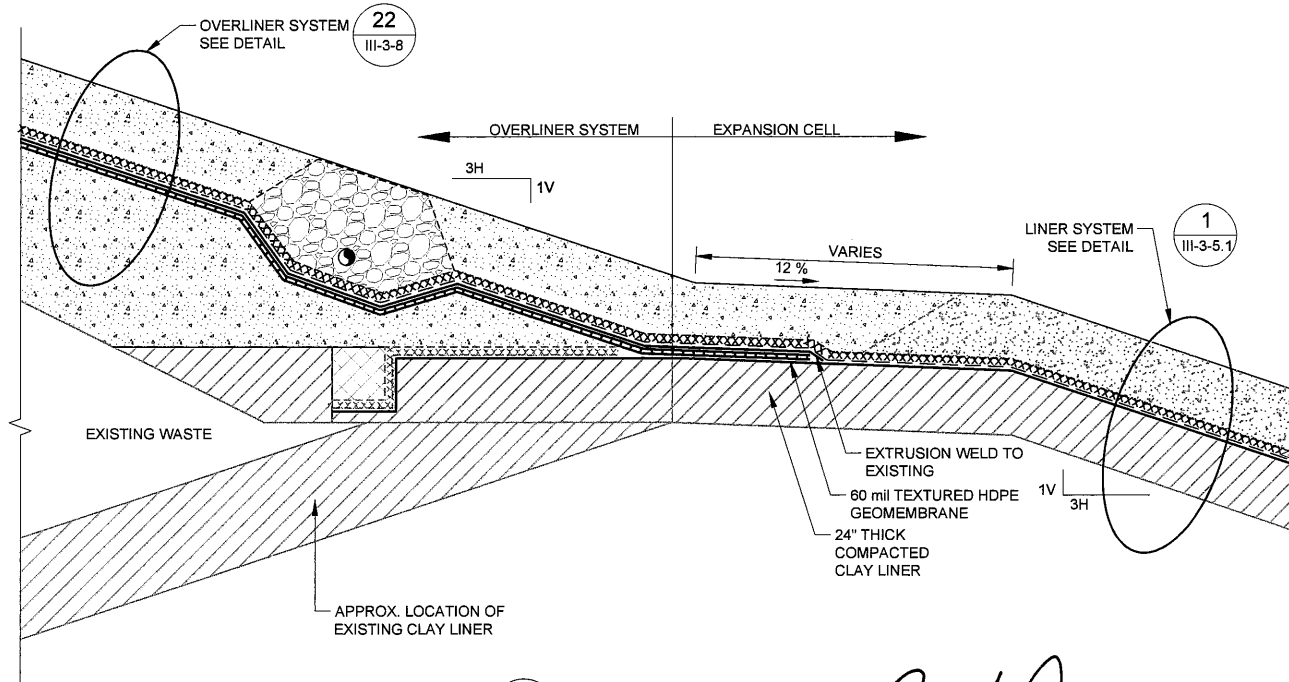
SCALE 1" = 5' **22 OVERLINER SYSTEM**
III-3-8



SCALE 1" = 5' **23 OVERLINER LCS TRENCH**
III-3-7



SCALE 1" = 6' **24 OVERLINER ANCHOR TRENCH**
III-3-7



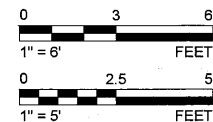
SCALE 1" = 6' **25 OVERLINER TIE-IN**
III-3-7

GOLDER ASSOCIATES INC.
Professional Engineering Firm
Registration Number F-2578

NOTES

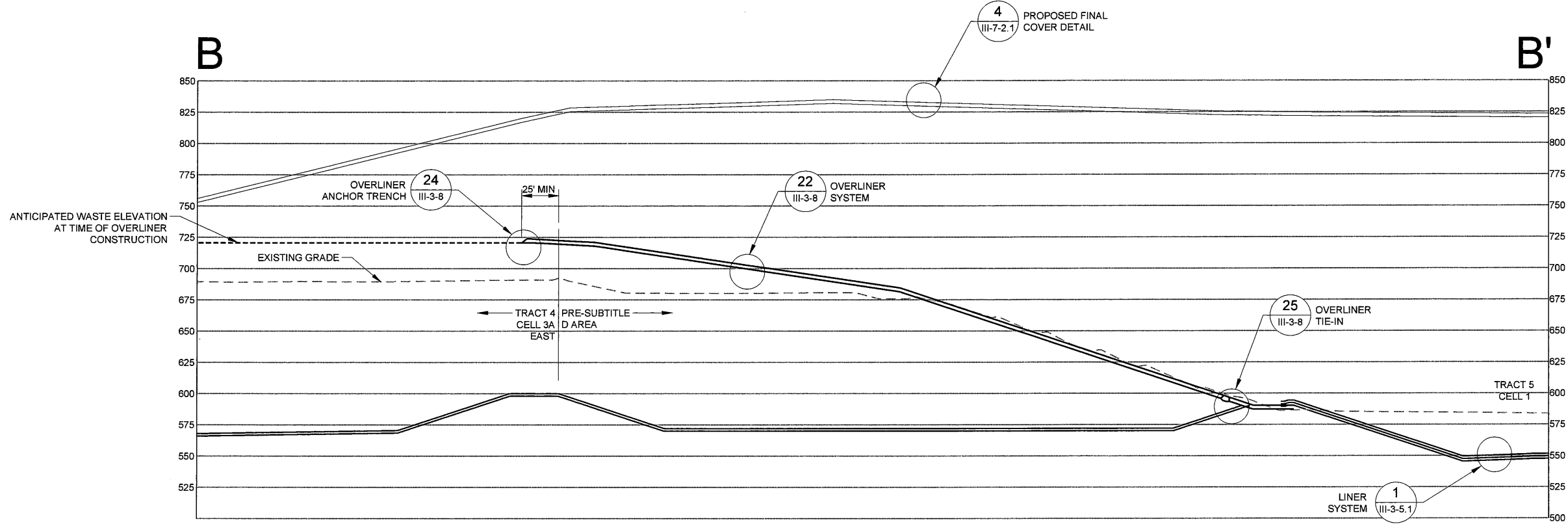
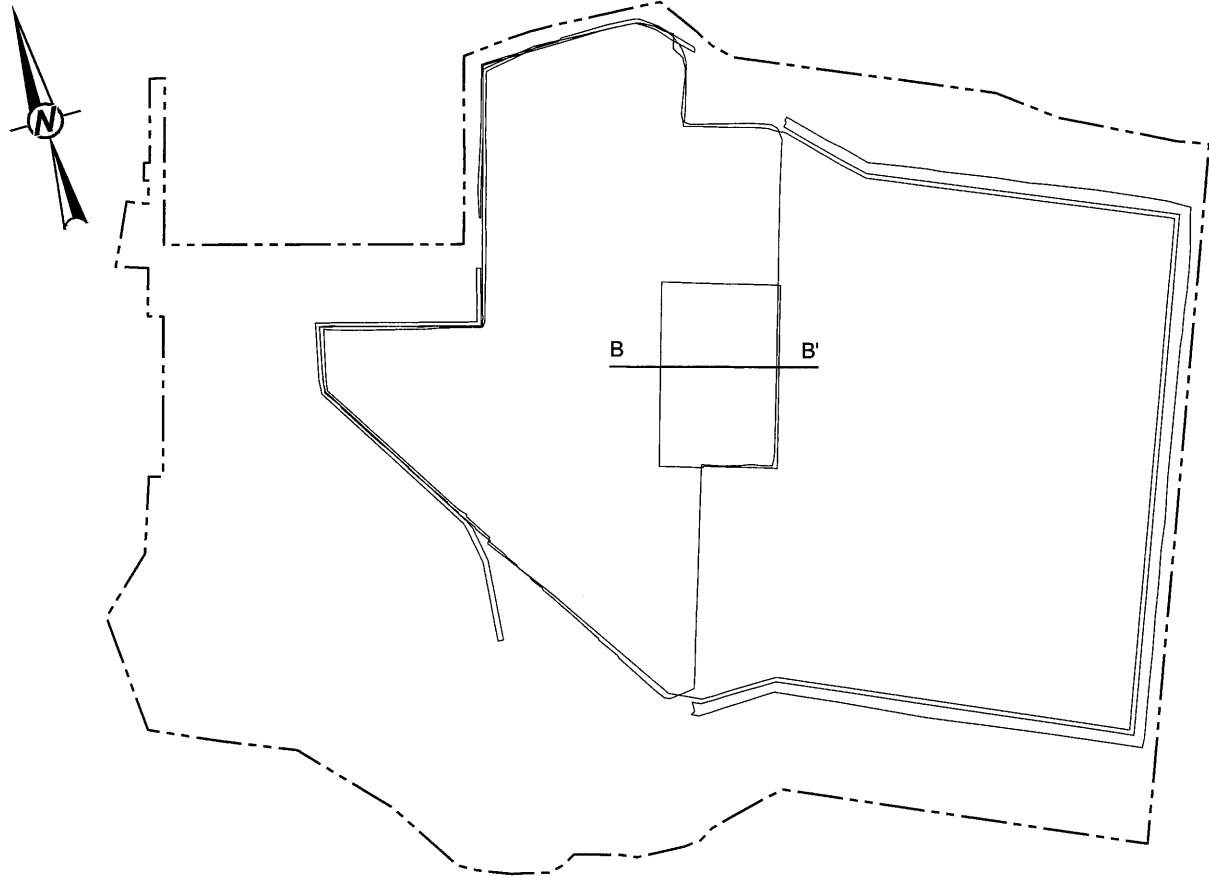
1. THE THICKNESSES OF GEOSYNTHETIC COMPONENTS ARE EXAGGERATED FOR CLARITY.

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PROJECT	PERMIT AMENDMENT APPLICATION MSW 692B			CLIENT	CITY OF TEMPLE		
	TEMPLE RECYCLING AND DISPOSAL FACILITY						
	BELL COUNTY, TEXAS			CONSULTANT	HOUSTON 500 CENTURY PLAZA DR., SUITE 190 HOUSTON, TX 77073 USA (281) 821-6868 www.golder.com		
TITLE	OVERLINER DETAILS						
PROJECT NO.	1400336			APPLICATION SECTION III Attachment 3			
FIGURE	III-3-8			IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B			

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Registration Number F-2578

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PROJECT
PERMIT AMENDMENT APPLICATION MSW 692B
TEMPLE RECYCLING AND DISPOSAL FACILITY
BELL COUNTY, TEXAS

TITLE
OVERLINER CROSS SECTION

PROJECT NO.
1400336

APPLICATION SECTION
III Attachment 3

REV. 0 18 of 18 FIGURE III-3-9.2

CLIENT
CITY OF
TEMPLE

CONSULTANT

HOUSTON
500 CENTURY PLAZA DR., SUITE 190
HOUSTON, TX 77073
USA
(281) 821-6868
www.golder.com



1" IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

APPENDIX III-3C-1

EXCAVATION STABILITY