

**CITY OF ARLINGTON LANDFILL
TARRANT COUNTY - MSW PERMIT NO. 358B**

PART III – SITE DEVELOPMENT PLAN

**ATTACHMENT 5
GROUNDWATER CHARACTERIZATION AND MONITORING REPORT**

Prepared for:



City of Arlington, Texas

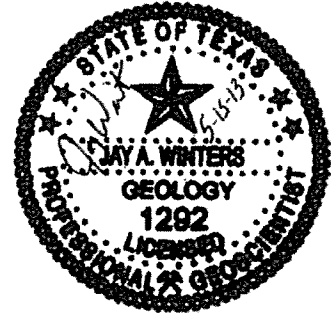
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Prepared by:



213 N. Oak Street
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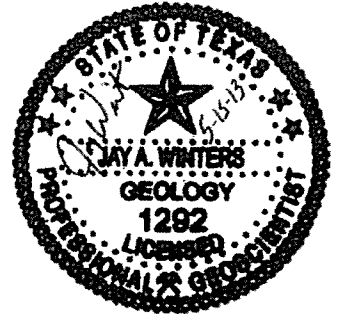
**GOLDER ASSOCIATES INC.
Geoscience Firm Registration
Certificate Number 50369**

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NOD 1 Revisions August 2012
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2nd Supplemental NOD Revisions: May 2013

**CITY OF ARLINGTON LANDFILL
TARRANT COUNTY - MSW PERMIT NO. 358B**

PART III

**ATTACHMENT 5
GROUNDWATER CHARACTERIZATION
AND MONITORING REPORT**



**GOLDER ASSOCIATES INC
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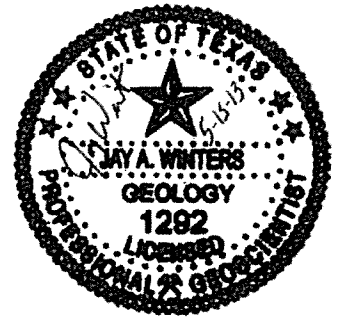
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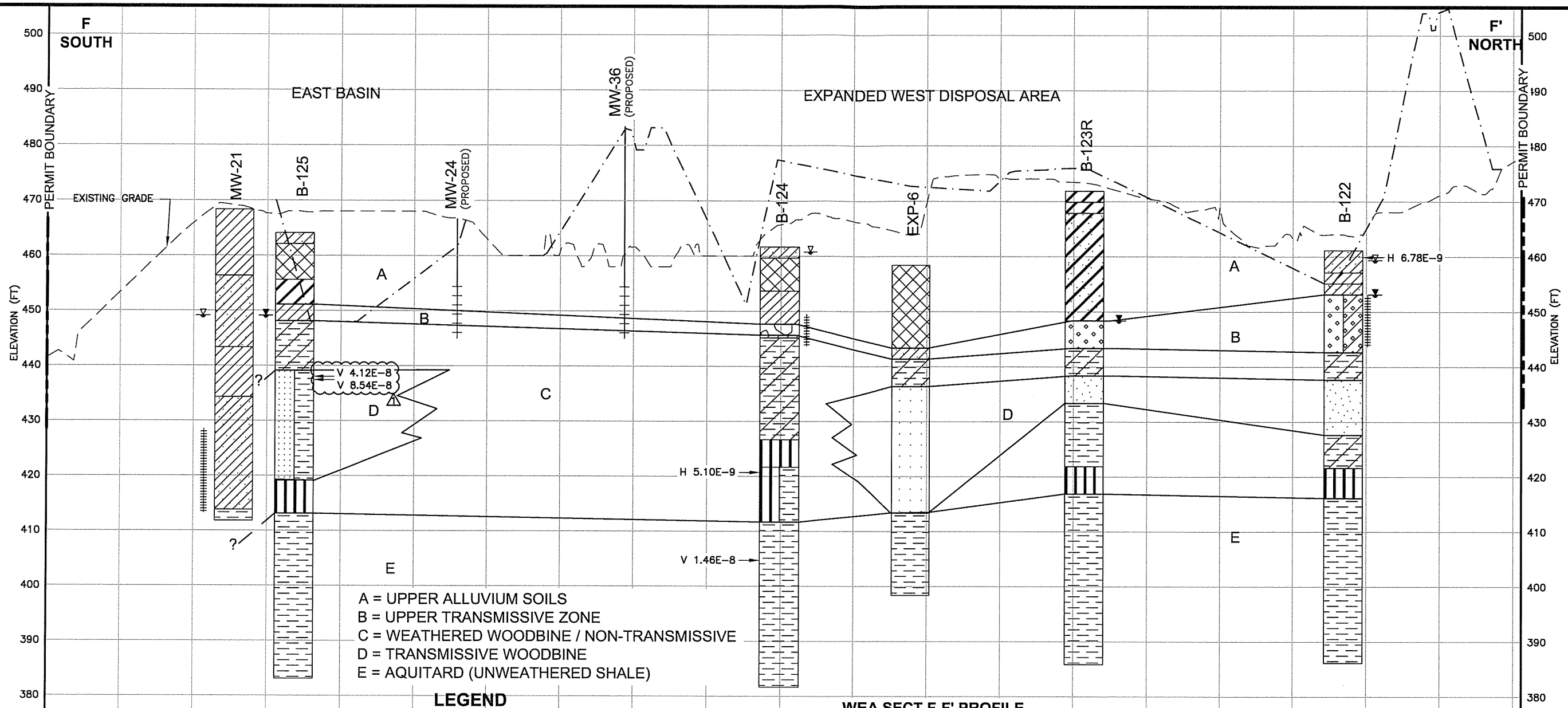
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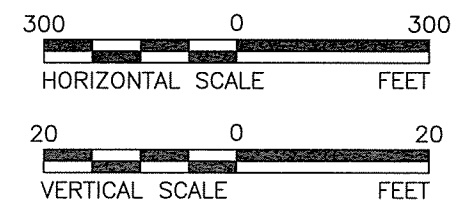


A = UPPER ALLUVIUM SOILS
 B = UPPER TRANSMISSIVE ZONE
 C = WEATHERED WOODBINE / NON-TRANSMISSIVE
 D = TRANSMISSIVE WOODBINE
 E = AQUITARD (UNWEATHERED SHALE)

LEGEND

	SANDY SILT		USCS LOW PLASTICITY SANDY CLAY		CLAYEY SAND
	SANDY FAT CLAY		CONCRETE		USCS HIGH PLASTICITY CLAY
	SANDY ELASTIC SILT		FILL (MADE GROUND)		USCS LOW PLASTICITY CLAY
	SHALEY FAT CLAY		USCS POORLY-GRADED GRAVEL		SANDSTONE
	SILTSTONE		USCS WELL-GRADED GRAVEL		SANDSTONE AND SHALE
	SAND		USCS WELL-GRADED GRAVEL WITH CLAY		WELL GRADED SAND WITH CLAY
	WELL GRADED SAND		USCS ELASTIC SILT		SHALE
	SILTSTONE AND SHALE INTERBEDDED		SANDSTONE AND SILTSTONE INTERBEDDED		SHALEY ELASTIC SILT
	STATIC WATER LEVEL (SEE NOTE 1)		INFERRED CORRELATIONS		POORLY GRADED SAND WITH SILT
	GROUNDWATER LEVEL AT TIME OF DRILLING (SEE NOTE 1)		EXISTING GRADE		
	SCREENED INTERVAL EXISTING MONITORING WELL		PROPOSED EXCAVATION / LEVEE GRADE		
	SCREENED INTERVAL PROPOSED MONITORING WELL		PERMEABILITY RESULTS		

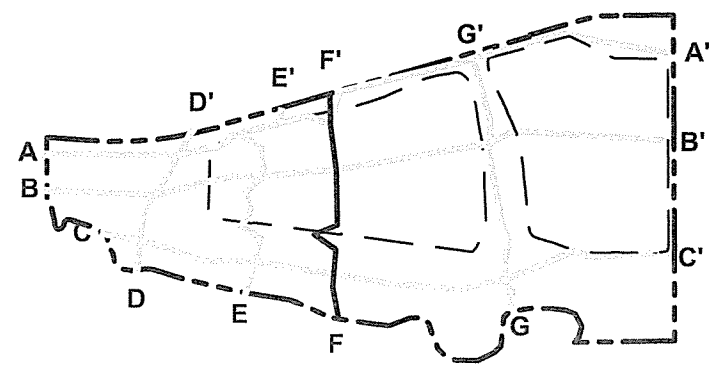
WEA SECT F-F' PROFILE



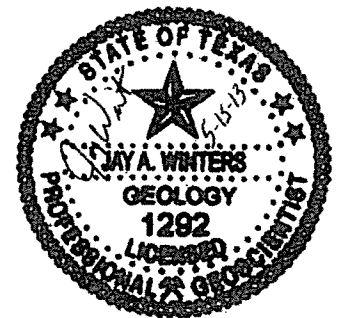
NOTES

- FOR BORINGS WITHOUT STATIC AND/OR INITIAL WATER LEVELS, NO WATER LEVEL OBSERVATIONS WERE MADE AT THE TIME OF THE INVESTIGATIONS.
- EXISTING TOPOGRAPHY IS A COMPILATION OF THE FOLLOWING AERIAL SURVEYS: JUNE 6, 2010, DALLAS AERIAL SURVEY; MAY 13, 2007, DALLAS AERIAL SURVEY; MAY 14, 2005, METROPOLITAN AERIAL SURVEYS.
- PERMEABILITY RESULTS NOTED WITH "H": TESTING WAS RUN ALONG HORIZONTAL AXIS. PERMEABILITY RESULTS NOTED WITH "V": TESTING WAS RUN ALONG VERTICAL AXIS. UNITS ARE CM/SEC.
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KEY MAP



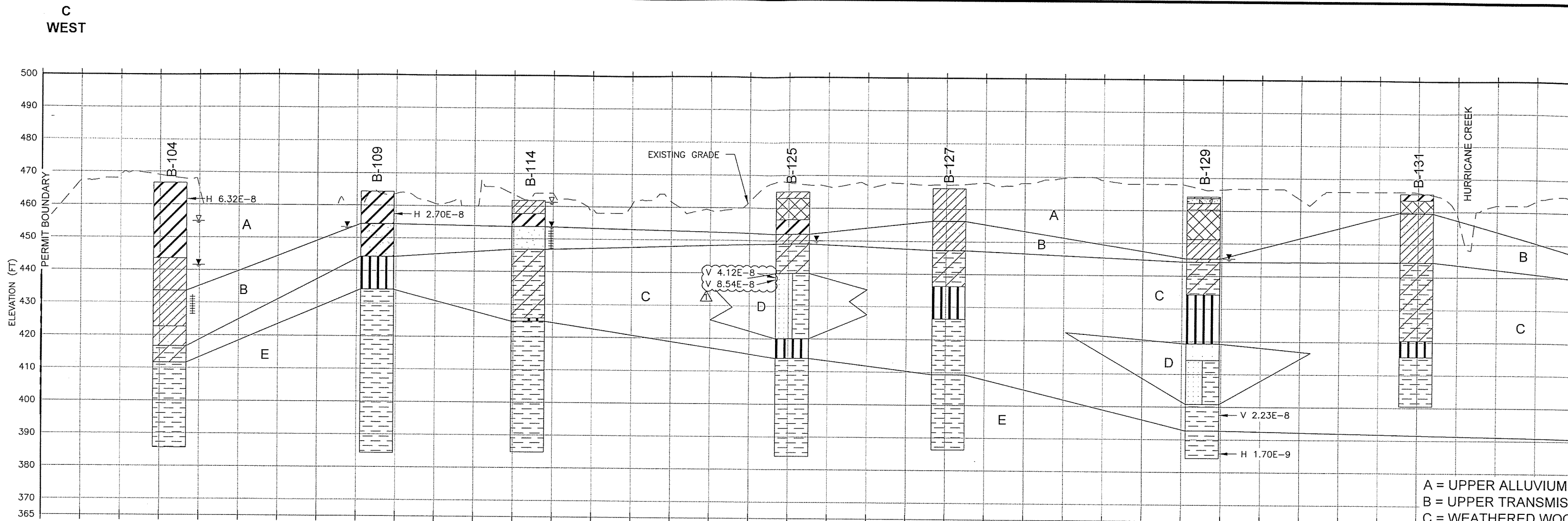
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 213 N. Oak St. Rowan, Texas 76262 Tel: (817) 490-8770 Texas Registration Number: F-2578	 CITY OF ARLINGTON, TEXAS REPUBLIC WASTE SERVICES OF TEXAS, LTD.
CITY OF ARLINGTON LANDFILL TARRANT COUNTY, TEXAS MSW PERMIT NO. 358B	INTERPRETIVE GEOLOGIC CROSS-SECTION F-F'
PROJECT: TARRANT COUNTY, TEXAS DRAWN: TWM CHECKED: DML/CMT DATE: FEBRUARY 2011 SCALE: AS SHOWN JOB NO.: 073-9407711 DWP NO.: 073-9407711-E-002R2.dwg FIGURE NUMBER:	TITLE: INTERPRETIVE GEOLOGIC CROSS-SECTION F-F' PART III, ATT. 5 5-10



WEA SECT C-C' PROFILE

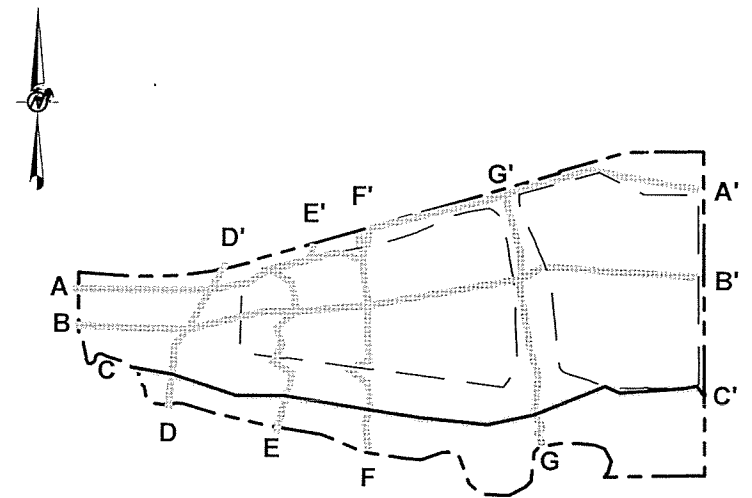
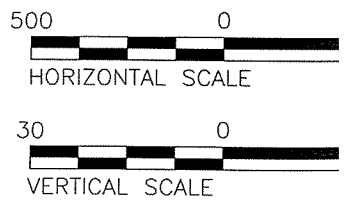
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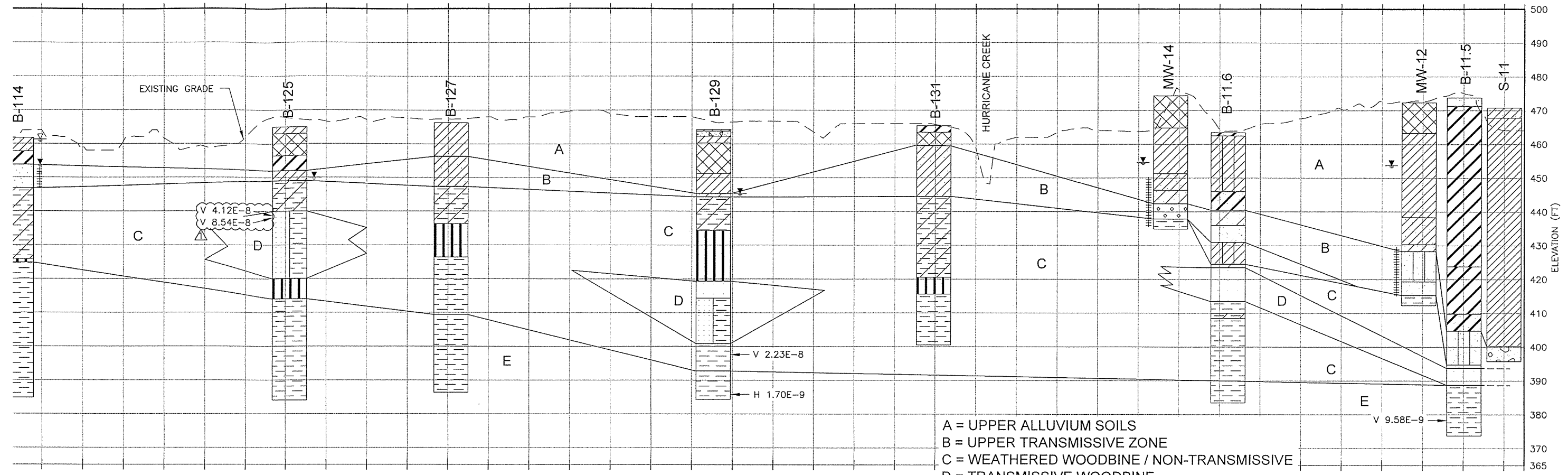
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KEY MAP
NOT TO SCALE

C'
EAST

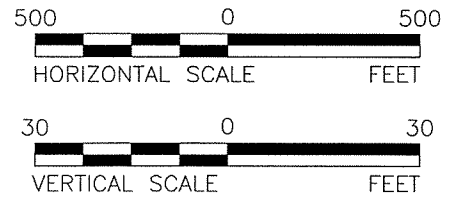


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ER LEVEL AT TIME OF E NOTE 1)	- - - - - EXISTING GRADE			
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INTERVAL PROPOSED WELL	V 3.41E-8	PERMEABILITY RESULTS		



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