

PROFESSIONAL SERVICE INDUSTRIES, INC.  
RECORD OF SUBSURFACE EXPLORATION

COUNTY: DALLAS	STRUCTURE: INTERCHANGE AT SH 183	THD DIST.: 18
HIGHWAY NO.: SH 161	HOLE NO.: B-31	DATE: 7/25/95
CONTROL: 2964-01-014	STATION: 699+28.44 (SH 161)	GRD. ELEV.: 521.66
IPE:	LOCATION: OFFSET -70.90	GRD. WATER ELEV. AT COMPLETION: DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING	
			1st 6"	2nd 6"				
521.7	0				CLAY, silty, with silt seams, brown to light brown and gray, stiff, moist	0	CME CONT. SAMPLER	
516.7	5		15	17	CLAY, silty, sandy, with sand and silt seams, light brown and tan, stiff to very stiff, moist	5	CME CONT. SAMPLER	
511.7	10		15	25	SAND, clayey, with gravel, reddish brown, compact, moist	10	CME CONT. SAMPLER	
509.7					CLAY, silty, with silt seams, light brown and gray, very stiff to hard, moist			
504.7	15		50@5'	50@4 1/2'			15	CME CONT. SAMPLER
501.7	20		50@4'	41	CLAY, shaley, with silt seams, light brown and light gray to gray, very stiff to hard, moist		20	CME CONT. SAMPLER
					- becoming brown and gray			
496.7	25		24	35			25	CME CONT. SAMPLER
493.7					- crystal seam at 26'			
	30		50@2'	50@1 3/4'	SHALE, gray, soft to hard, moist		30	CME CONT. SAMPLER
					- crystal seam at 28' and 29 1/2'			
	35		50@1 1/2'	50@1 1/4'			35	CME CONT. SAMPLER
					- silt seams at 37' and 38'			
	40		50@1 1/4'	50@1'			40	CME CONT. SAMPLER
476.7	45		50@1 1/2'	50@1/2'	BORING TERMINATED AT 45'		45	
	50					50		
	55					55		

REMARKS:






Azimuth: East: 2,148,688.19 North: 424,786.57

1. No water encountered in boring during drilling.

DRILLER: R. FLAIR      LOGGER: R. FLAIR

PROFESSIONAL SERVICE INDUSTRIES, INC.  
RECORD OF SUBSURFACE EXPLORATION

COUNTY:	DALLAS	STRUCTURE:	INTERCHANGE AT SH 183	THD DIST.:	18
HIGHWAY NO.:	SH 161	HOLE NO.:	B-32	DATE:	7/18/95
CONTROL:	2964-01-014	STATION:	699+53.08 (SH 161)	GRD. ELEV.:	520.17
IPE:		LOCATION:	OFFSET 75.78	GRD. WATER ELEV. AT COMPLETION:	DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
520.2	0				SAND, clayey, reddish brown, loose, moist	0	CME CONT. SAMPLER
518.2					CLAY, silty, brown, stiff to very stiff, moist		
	5		12	11		5	CME CONT. SAMPLER
	10		13	10		10	CME CONT. SAMPLER
	15		36	50@3 3/4'		15	CME CONT. SAMPLER
	20		32	31		20	CME CONT. SAMPLER
495.2	25		50@1 1/2'	50@1 1/4'	SHALE, gray, soft to hard, moist	25	CME CONT. SAMPLER
	30		50@2'	50@1 1/2'		30	CME CONT. SAMPLER
485.2	35		50@2 1/4'	50@2 1/4'		35	CME CONT. SAMPLER
480.2	40		50@2 1/2'	50@2 1/4'	BORING TERMINATED AT 40'	40	
	45					45	
	50					50	
	55					55	





REMARKS:

Azimuth: East: 2,148,834.74 North: 424,811.96  
 1. Water encountered in boring at a depth of 33' during drilling.

DRILLER: R. FLAIR      LOGGER: R. FLAIR

**PROFESSIONAL SERVICE INDUSTRIES, INC.  
RECORD OF SUBSURFACE EXPLORATION**

COUNTY:	DALLAS	STRUCTURE:	INTERCHANGE AT SH 183	THD DIST.:	18
HIGHWAY NO.:	SH 161	HOLE NO.:	B-35	DATE:	7/18/95
CONTROL:	2964-01-014	STATION:	705+37.26 (SH 161)	GRD. ELEV.:	506.55
IPE:		LOCATION:	OFFSET 82.15	GRD. WATER ELEV.:	
				AT COMPLETION:	DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
506.6	0				CLAY, with calcareous nodules, dark brown, soft, moist	0	CME CONT. SAMPLER
503.6	5		6	10	CLAY, silty, brown, soft to very stiff, moist	5	CME CONT. SAMPLER
494.6	10		23	50@3"	SHALE, gray, soft to hard, moist	10	CME CONT. SAMPLER
	15		50@1 1/4"	50@1"		15	CME CONT. SAMPLER
	20		50@2 1/2"	50@2 3/4"		20	CME CONT. SAMPLER
	25		50@2 1/2"	50@1 3/4"		25	CME CONT. SAMPLER
476.6	30		50@2"	50@2 1/4"	BORING TERMINATED AT 30'	30	
	35					35	
	40					40	
	45					45	
	50					50	
	55					55	

**REMARKS:**

Azimuth: East: 2,148,838.13 North: 425,396.16

- No water encountered in boring during drilling.

DRILLER: R. FLAIR

LOGGER: R. FLAIR

PROFESSIONAL SERVICE INDUSTRIES, INC.  
 RECORD OF SUBSURFACE EXPLORATION

COUNTY: DALLAS      STRUCTURE: INTERCHANGE AT SH 183      THD DIST.: 18  
 HIGHWAY NO.: SH 161      HOLE NO.: B-36      DATE: 7/25/95  
 CONTROL: 2964-01-014      STATION: 693+98.85 (SH 161)      GRD. ELEV.: 518.58  
 IPE:      LOCATION: OFFSET -216.00      GRD. WATER ELEV. AT COMPLETION: DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
518.6	0				CLAY, sandy, with gravel, reddish brown and gray, soft, moist	0	CME CONT. SAMPLER
515.6	5		7	11	SAND, clayey, with gravel, reddish brown, loose, moist	5	CME CONT. SAMPLER
512.8	10		21	21	CLAY, silty, with silt seams, light brown and gray, soft to very stiff, moist	10	CME CONT. SAMPLER
	15		14	18		15	CME CONT. SAMPLER
499.6	20		22	20	CLAY, shaley with silt seams, light brown and gray, very stiff, moist	20	CME CONT. SAMPLER
495.6	25		50@1 1/4"	50@1"	SHALE, gray, hard, moist	25	CME CONT. SAMPLER
	30		50@1 1/2"	50@1"	- silt seam at 29'	30	CME CONT. SAMPLER
	35		50@1 3/4"	50@1"	- 6" silt seam at 32 1/2' - silt seams at 33', 34', and 34 1/2'	35	CME CONT. SAMPLER
479.6	40		50@1 1/2"	50@1 1/4"	BORING TERMINATED AT 40'	40	
	45					45	
	50					50	
	55					55	

REMARKS:



Azimuth: East: 2,148,545.80 North: 424,256.24

1. No water encountered in boring during drilling.

DRILLER: R. FLAIR      LOGGER: R. FLAIR

PROFESSIONAL SERVICE INDUSTRIES, INC.  
 RECORD OF SUBSURFACE EXPLORATION

COUNTY: DALLAS	STRUCTURE: INTERCHANGE AT SH 183	THD DIST.: 18
HIGHWAY NO.: SH 161	HOLE NO.: B-37	DATE: 8/17/95
CONTROL: 2964-01-014	STATION: 71+00.96 (SH 161)	GRD. ELEV.: 509.36
IPE:	LOCATION: OFFSET - 243.99	GRD. WATER ELEV. AT COMPLETION: DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6'	2nd 6'			
509.4	0				CLAY, silty, brown, very stiff, moist	0	CME CONT. SAMPLER
	5		34	32		5	CME CONT. SAMPLER
	10		22	30		10	CME CONT. SAMPLER
494.4	15		50@2 1/4'	50@1 1/2'	SHALE, gray, soft to hard, moist	15	CME CONT. SAMPLER
	20		50@2 1/8'	50@2'		20	CME CONT. SAMPLER
	25		50@1 1/4'	50@1'		25	CME CONT. SAMPLER
479.4	30		50@1'	50@1/2'	BORING TERMINATED AT 30'	30	
	35				35		
	40				40		
	45				45		
	50				50		
	55				55		

REMARKS:

Azimuth: East: 2,148,516.54 North: 424,503.97

1. No water was encountered in boring during drilling.

DRILLER: R. FLAIR      LOGGER: R. FLAIR

PROFESSIONAL SERVICE INDUSTRIES, INC.  
RECORD OF SUBSURFACE EXPLORATION

COUNTY: DALLAS	STRUCTURE: INTERCHANGE AT SH 183	THD DIST.: 18
HIGHWAY NO.: SH 161	HOLE NO.: B-38	DATE: 8/17/95
CONTROL: 2964-01-014	STATION: 75+99.76 (SH 161)	GRD. ELEV.: 532.37
IFE:	LOCATION: OFFSET 254.82	GRD. WATER ELEV. AT COMPLETION: DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
532.4	0				SAND, reddish brown and tan, dense, moist	0	CME CONT. SAMPLER
	5		50@5"	41		5	CME CONT. SAMPLER
526.4					CLAY, silty, tan, stiff, moist		
	10		13	13		10	CME CONT. SAMPLER
519.4					CLAY, sandy, brown, stiff to very stiff, moist		
	15		20	20		15	CME CONT. SAMPLER
	20		33	40		20	CME CONT. SAMPLER
511.4					CLAY, silty, brown, very stiff to hard, moist		
	25		50@4 1/2"	50@2 1/2"		25	CME CONT. SAMPLER
	30		35	41		30	CME CONT. SAMPLER
					- gypsum crystal seam - 5' shale seam		
497.4	35		40	50@4 1/2"	SHALE, gray, very soft to hard, moist	35	CME CONT. SAMPLER
	40		50@2 1/2"	50@1 1/8"		40	CME CONT. SAMPLER
	45		50@1 1/2"	50@3/4"		45	CME CONT. SAMPLER
	50		50@3/4"	50@1/2"		50	CME CONT. SAMPLER
477.4	55		50@3/4"	50@1/2"		55	CME CONT. SAMPLER

REMARKS: BORING TERMINATED AT 55'

Azimuth: East: 2,149,015.24 North: 424,528.10


1. No water was encountered in boring during drilling.

DRILLER: R. FLAIR

LOGGER: R. FLAIR

**PROFESSIONAL SERVICE INDUSTRIES, INC.**  
**RECORD OF SUBSURFACE EXPLORATION**

COUNTY:	DALLAS	STRUCTURE:	INTERCHANGE AT SH 183	THD DIST.:	18
HIGHWAY NO.:	SH 161	HOLE NO.:	B-39	DATE:	7/18/95
CONTROL:	2964-01-014	STATION:	700+33.96 (SH 161)	GRD. ELEV.:	531.86
IPE:		LOCATION:	OFFSET 297.40	GRD. WATER ELEV. AT COMPLETION:	DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
531.9	0				SAND, clayey, reddish brown, loose, moist	0	CME CONT. SAMPLER
529.9					CLAY, silty, brown, soft to stiff, moist		
	5		11	9		5	CME CONT. SAMPLER
	10		10	12		10	CME CONT. SAMPLER
520.9					CLAY, sandy, silty, brown, stiff, moist		
	15		12	13		15	CME CONT. SAMPLER
515.9					CLAY, silty, brown, stiff to hard, moist		
	20		50@4"	50@3"		20	CME CONT. SAMPLER
	25		13	30	- intermittent gray seam	25	CME CONT. SAMPLER
	30		35	50@5 1/2"		30	CME CONT. SAMPLER
499.9					SHALE, gray, soft to hard, moist		
	35		50@2 3/4"	50@2"		35	CME CONT. SAMPLER
	40		50@2"	50@1 1/2"		40	CME CONT. SAMPLER
	45		50@1 1/4"	50@1/2"		45	CME CONT. SAMPLER
481.9	50		50@1 1/2"	50@1"	BORING TERMINATED AT 50'	50	
	55					55	

**REMARKS:**



Azimuth: East: 2,148,055.95 North: 424,839.97

1. No water encountered in boring during drilling.

DRILLER: R. FLAIR      LOGGER: R. FLAIR

PROFESSIONAL SERVICE INDUSTRIES, INC.  
RECORD OF SUBSURFACE EXPLORATION

COUNTY: DALLAS	STRUCTURE: INTERCHANGE AT SH 183	THD DIST.: 18
HIGHWAY NO.: SH 161	HOLE NO.: B-40	DATE: 7/26/95
CONTROL: 2964-01-014	STATION: 700+09.24 (SH 161)	GRD. ELEV.: 498.55
IPE:	LOCATION: OFFSET - 335.01	GRD. WATER ELEV. AT COMPLETION: DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
498.6	0				CLAY, silty, with silt seams, light brown, stiff, moist	0	CME CONT. SAMPLER
	5		16	13		5	CME CONT. SAMPLER
491.6					CLAY, shaley, with silt seams, brown and gray, stiff, moist		
488.6	10		50@2 1/2"	50@1 1/2"	SHALE, gray, soft to hard, moist - silt seam at 12'	10	CME CONT. SAMPLER
	15	50@1 1/4"	50@1 1/4"		15	CME CONT. SAMPLER	
	20	50@2 1/2"	50@1"		20	CME CONT. SAMPLER	
	25	50@2 1/4"	50@1"	- 5' silt seam at 23'	25	CME CONT. SAMPLER	
	30	50@2 1/2"	50@3/4"	- silt seam at 30'	30		
468.6				BORING TERMINATED AT 30'			
	35				35		
	40				40		
	45				45		
	50				50		
	55				55		

REMARKS:

Azimuth: East: 2,148,423.67 North: 424,866.02

1. No water encountered in boring during drilling.

DRILLER: R. FLAIR

LOGGER: R. FLAIR



PROFESSIONAL SERVICE INDUSTRIES, INC.  
RECORD OF SUBSURFACE EXPLORATION

COUNTY:	DALLAS	STRUCTURE:	INTERCHANGE AT SH 183	THD DIST.:	18
HIGHWAY NO.:	SH 161	HOLE NO.:	B-41	DATE:	7/24/95
CONTROL:	2964-01-014	STATION:	701+39.90 (SH 161)	GRD. ELEV.:	497.0
IPE:		LOCATION:	OFFSET -330.77	GRD. WATER ELEV. AT COMPLETION:	DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
497.0	0				CLAY, brown and tan, soft, moist	0	CME CONT. SAMPLER
494.0					SHALE, clayey, gray and brown, very soft, moist		
491.0	5		46	50@2 1/2"	SHALE, gray, soft to hard, moist	5	CME CONT. SAMPLER
	10		50@2 7/8"	50@1 3/4"		10	CME CONT. SAMPLER
	15		50@2 1/4"	50@1 3/4"		15	CME CONT. SAMPLER
	20		50@1 3/4"	50@1 1/2"		20	CME CONT. SAMPLER
	25		50@2 3/4"	50@2"		25	CME CONT. SAMPLER
467.0	30		50@1 3/4"	50@1 3/4"	BORING TERMINATED AT 30'	30	
	35					35	
	40					40	
	45				45		
	50				50		
	55				55		

REMARKS:

Azimuth: East; 2,148,426.22 North; 425,196.70

1. No water was encountered in boring during drilling.

DRILLER: R. FLAIR    LOGGER: R. FLAIR

PROFESSIONAL SERVICE INDUSTRIES, INC.  
 RECORD OF SUBSURFACE EXPLORATION

COUNTY:	DALLAS	STRUCTURE:	INTERCHANGE AT SH 183	THD DIST.:	18
HIGHWAY NO.:	SH 161	HOLE NO.:	B-42	DATE:	7/21/95
CONTROL:	2964-01-014	STATION:	706+29.05 (SH 161)	GRD. ELEV.:	501.15
IPE:		LOCATION:	OFFSET - 231.33	GRD. WATER ELEV.	
				AT COMPLETION:	DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
501.2	0				CLAY, silty, with gravel and silt seams, brown to light brown and gray, soft, moist	0	CME CONT. SAMPLER
496.2	5		9	9	CLAY, silty, with silt seams, light brown and gray, soft, moist	5	CME CONT. SAMPLER
492.2	10		12	19	CLAY, shaley, with silt seams, light brown and gray, stiff, moist	10	CME CONT. SAMPLER
487.2	15		50@1 1/4"	50@1"	SHALE, gray, hard, moist	15	CME CONT. SAMPLER
	20		50@1 3/4"	50@3/4"	- silt seam at 19'	20	CME CONT. SAMPLER
	25		50@1 1/2"	50@1 1/2"	- silt seam at 23'	25	CME CONT. SAMPLER
	30	50@2 1/4"	50@1 1/2"	- silt seam at 27 1/2'			
471.2	30				BORING TERMINATED AT 30'	30	
	35					35	
	40					40	
	45					45	
	50					50	
	55					55	

REMARKS:

Azimuth: East: 2,148,524.18 North: 425,486.35

1. No water encountered in boring during drilling.

DRILLER: R. FLAIR      LOGGER: R. FLAIR

**PROFESSIONAL SERVICE INDUSTRIES, INC.**  
**RECORD OF SUBSURFACE EXPLORATION**

COUNTY: DALLAS	STRUCTURE: INTERCHANGE AT SH 183	THD DIST.: 18
HIGHWAY NO.: SH 161	HOLE NO.: B-43	DATE: 7/26/95
CONTROL: 2964-01-014	STATION: 703+54.21 (SH 161)	GRD. ELEV.: 503.36
IFE:	LOCATION: OFFSET - 146.22	GRD. WATER ELEV. AT COMPLETION: DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
505.4	0				CLAY, silty, with silt seams, dark brown to light brown and gray, stiff, moist	0	CME CONT. SAMPLER
	5		12	11		5	CME CONT. SAMPLER
	10		13	13		10	CME CONT. SAMPLER
492.4							
490.4	15		50@3"	50@3"	CLAY, shaley, with silt seams, stiff to hard, moist	15	CME CONT. SAMPLER
	20		50@3"	50@1 1/4"	SHALE, gray, soft to hard, moist - 3' silt seam at 19'	20	CME CONT. SAMPLER
	25		50@3"	50@2"	- silt seam at 23' - limestone seam at 23 1/2'	25	CME CONT. SAMPLER
475.4	30		50@2 1/2"	50@1 1/4"	BORING TERMINATED AT 30'	30	
	35					35	
	40					40	
	45				45		
	50				50		
	55				55		

**REMARKS:**

Azimuth: East: 2,148,610.69 North: 425,211.95

- No water encountered in boring during drilling.

DRILLER: R. FLAIR

LOGGER: R. FLAIR

PROFESSIONAL SERVICE INDUSTRIES, INC.  
RECORD OF SUBSURFACE EXPLORATION

COUNTY:	DALLAS	STRUCTURE:	INTERCHANGE AT SH 183	THD DIST.:	18
HIGHWAY NO.:	SH 161	HOLE NO.:	B-45	DATE:	7/25/95
CONTROL:	2964-01-014	STATION:	702+02.87 (SH 161)	GRD. ELEV.:	515.70
IPE:		LOCATION:	OFFSET -88.48	GRD. WATER ELEV.:	
				AT COMPLETION:	DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
515.7	0				CLAY, silty, with silt seams, brown to light brown and gray, stiff, moist	0	CME CONT. SAMPLER
512.7							
509.7	5		18	13		5	CME CONT. SAMPLER
					CLAY, shaley, with silt seams, light brown and gray, stiff to very stiff, moist		
	10		12	15		10	CME CONT. SAMPLER
	15		21	30		15	CME CONT. SAMPLER
496.7	20		50@1 1/2"	50@1/2"	SHALE, gray, very soft to hard, moist	20	CME CONT. SAMPLER
492.7							
	25		50@1 1/2"	50@1 1/8"	- silt seam at 24 1/2'	25	CME CONT. SAMPLER
	30		50@3 1/4"	50@4"	- silt seam at 28', 29', and 30'	30	CME CONT. SAMPLER
	35		50@3"	50@2 3/4"	- silt seam at 34'	35	CME CONT. SAMPLER
	40		50@1 1/2"	50@1"	- silt seam at 36', 39', and 40'	40	CME CONT. SAMPLER
475.7							
	45		50@1 1/2"	50@1"	- silt seam at 43'	45	CME CONT. SAMPLER
465.7	50		50@2 1/4"	50@1 3/4"	BORING TERMINATED AT 50'	50	
	55					55	

REMARKS:

Azimuth; East: 2,148,669.21 North: 425,060.91



1. No water encountered in boring during drilling.

DRILLER: R. FLAIR

LOGGER: R. FLAIR

PROFESSIONAL SERVICE INDUSTRIES, INC.  
 RECORD OF SUBSURFACE EXPLORATION

COUNTY:	DALLAS	STRUCTURE:	INTERCHANGE AT SH 183	THD DIST.:	18
HIGHWAY NO.:	SH 161	HOLE NO.:	B-46	DATE:	7/20/95
CONTROL:	2964-01-014	STATION:	702+47.75 (SH 161)	GRD. ELEV.:	512.07
IPE:		LOCATION:	OFFSET 80.95	GRD. WATER ELEV.:	
				AT COMPLETION:	DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
512.1	0				CLAY, sandy, reddish brown, soft, moist	0	CME CONT. SAMPLER
507.1	5		13	14	CLAY, silty, with calcareous deposits, tan, stiff to very stiff, moist	5	CME CONT. SAMPLER
	10		21	23		10	CME CONT. SAMPLER
497.1	15		50@1 1/2"	50@1/2"	SHALE, gray, hard, moist	15	CME CONT. SAMPLER
	20		50@2"	50@3/4"		20	CME CONT. SAMPLER
	25		50@1 1/2"	50@1 1/4"		25	CME CONT. SAMPLER
482.1	30		50@1 1/4"	50@1"	BORING TERMINATED AT 30'	30	
	35					35	
	40					40	
	45					45	
	50					50	
	55					55	




REMARKS:

Azimuth: East: 2,148,838.41 North: 425,106.65  
 1. No water encountered in boring during drilling.

DRILLER: R. FLAIR      LOGGER: R. FLAIR

**PROFESSIONAL SERVICE INDUSTRIES, INC.  
RECORD OF SUBSURFACE EXPLORATION**

COUNTY:	DALLAS	STRUCTURE:	INTERCHANGE AT SH 183	THD DIST.:	18
HIGHWAY NO.:	SH 161	HOLE NO.:	B-47	DATE:	7/17/95
CONTROL:	2964-01-014	STATION:	703+27.04 (SH 161)	GRD. ELEV.:	510.63
IPE:		LOCATION:	OFFSET 225.12	GRD. WATER ELEV. AT COMPLETION:	DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
510.6	0				CLAY, silty, brown to light brown and gray, stiff to very stiff, moist	0	CME CONT. SAMPLER
	5		17	17	- with silt seams	5	CME CONT. SAMPLER
500.6	10		26	39	CLAY, shaley, light brown and gray, very stiff, moist	10	CME CONT. SAMPLER
497.6	15		50@1 1/4"	50@3/4"	SHALE, gray, soft to hard, moist	15	CME CONT. SAMPLER
	20		50@1 1/4"	50@1 1/4"	- silt seam at 20'	20	CME CONT. SAMPLER
	25		50@2 3/4"	50@1 1/2"	- silt seam at 22' and 25' - silt seam at 27'	25	CME CONT. SAMPLER
480.6	30		50@2 1/4"	50@1 3/4"		30	
	35					35	
	40					40	
	45					45	
	50					50	
	55					55	

**REMARKS:**

Azimuth: East: 2,148,982.17 North: 425,186.68

1. No water encountered in boring during drilling.

DRILLER: R. FLAIR

LOGGER: R. FLAIR

PROFESSIONAL SERVICE INDUSTRIES, INC.  
RECORD OF SUBSURFACE EXPLORATION

COUNTY:	DALLAS	STRUCTURE:	INTERCHANGE AT SH 183	THD DIST.:	18
HIGHWAY NO.:	SH 161	HOLE NO.:	B-48	DATE:	7/20/95
CONTROL:	2964-01-014	STATION:	707+81.08 (SH 161)	GRD. ELEV.:	521.15
IPE:		LOCATION:	OFFSET -73.99	GRD. WATER ELEV. AT COMPLETION:	DRY

ELEV. FT.	DEPTH FT.	LOG	THD PEN. TEST NO. OF BLOWS		DESCRIPTION OF MATERIAL	DEPTH FT.	METHOD OF CORING
			1st 6"	2nd 6"			
521.1	0				- Asphalt, fill material	0	CME CONT. SAMPLER
517.1	5		7	7	CLAY, silty, gravelly, tan and brown, soft, moist	5	CME CONT. SAMPLER
513.1	10		14	18	CLAY, silty, tan, stiff, moist	10	CME CONT. SAMPLER
	15		11	16		15	CME CONT. SAMPLER
	20		14	16		20	CME CONT. SAMPLER
499.1					CLAY, tan and gray, stiff, moist		
497.1	25		50@1 1/2"	50@1 1/4"	SHALE, gray, hard, moist	25	CME CONT. SAMPLER
	30		50@1 1/4"	50@3/4"		30	CME CONT. SAMPLER
	35		50@1"	50@3/4"		35	CME CONT. SAMPLER
481.1	40		50@1 1/4"	50@1"	BORING TERMINATED AT 40'	40	
	45					45	
	50					50	
	55					55	

REMARKS:

Azimuth: East: 2,148,680.74 North: 425,639.18

1. No water encountered in boring during drilling.

DRILLER: R. FLAIR

LOGGER: R. FLAIR