ERM-South, inc.

9501 Princess Palm Avenue, Suite 100 • Tampa, Florida 33619 • (813) 622-8727
2858 N. W. 79th Avenue • Miami, Florida 33122 • (305) 591-3076

Reply To: Tampa Office

November 8, 1990

Project No. 13112.21, Task 1

Mr. Knox McKee
Florida Department of
Environmental Regulation
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

RE: Safety-Kleen Corp. Medley, Florida Construction Permit Application

Dear Knox:

On behalf of Safety-Kleen Corp., Environmental Resources Management-South, Inc. (ERM) is pleased to submit six copies of revised portions of the above-referenced Construction Permit Application. ERM has reviewed the entire application and am submitting six copies of the Engineer's Certification is included with this submittal. We did modify certain sections beyond those you had requested in your letter dated September 27, 1990. Attachment 1 lists revised portions of the application that we are submitting.

We believe that you will find the information submitted to be complete and look forward to receiving the construction permit. If you have any questions, please do not hesitate to contact Ellen Jurczak of Safety-Kleen Corp. (1-800 669-5740), Cynthia Norton of ERM, or me.

Sincerely,

Frederick W. Blickle

Frederick W. Blickle, P.E.
Senior Engineer

pjh

Enclosure(s)

cc: Melissa Halebasko - Safety-Kleen, Elgin (letter only)
Joe Hartline - Safety-Kleen, Norcross
Ellen Jurczak - Safety-Kleen, Elgin
Cynthia Norton - ERM (letter only)
Jack Riggenbach - ERM (letter only)

13112.21/TSK1/KM110890.LTR

ATTACHMENT 1

RESPONSE TO FDER COMMENTS DATED SEPTEMBER 27, 1990 FOR SAFETY-KLEEN CONSTRUCTION PERMIT APPLICATION FILE NUMBER HC 13-175466 SAFETY-KLEEN CORP. MEDLEY, FLORIDA

Comment:

1. Provide a site-specific surface water management plan certified by the design engineer.

Response:

A site-specific surface water management plan is provided. This is a new Exhibit numbered Exhibit I.B.6-1 and should be placed immediately following Exhibit I.B.5-1.

Comment:

2. Provide manufacturer's specifications which support that the containment area coating (Sikagard 62 or Concressive 1305) material is compatible with all solvents which it may contact. (Exhibit I.E. 3-10).

Response:

Safety-Kleen, through use and experience with this coating material, has determined that the coating is compatible with the primary solvents encountered at a Safety-Kleen facility. Safety-Kleen is attempting to have the manufacturer provide certification that the coating is compatible with the primary constituents found in Safety-Kleen's waste streams. A copy of the letter to the manufacturer requesting this information is attached. (Exhibit I.E.3-11). The manufacturer's certification will be forwarded to FDER when they are available.

Comment:

3. Provide manufacturer's specifications which support that the sump liner (SIC Part No. 5280) is compatible with all solvents with which it may come in contact. (Exhibit I.E. 3-10).

Response:

Safety-Kleen Drawing STD-1020-00 (24" Diameter Stainless Steel Sump Liner Fabrication) (Exhibit I.E.3-12) provides for a stainless steel sump liner to be

used at the Medley facility. Stainless steel is compatible with the primary constituents of Safety-Kleen's waste streams.

Comment:

4. Drawing D11150, solvent pump piping installation details have not, to date, been supplied to the Department. The drawing should show the location of the tank's drain line connection, vent line connection, fill line connection, and the connection of the high level alarm transmitter.

Response:

Drawing D11150 (Exhibit I.E.3-13) has been provided along with a replacement drawing for Exhibit I.E.3-6 and an additional drawing showing tank farm sections and details (Exhibit I.E.3-14).

Comment:

5. Revised portions of the construction permit application (if appropriate).

Response:

Since the original submittal of the construction permit application, Safety-Kleen has initiated the distributions and collection of a new immersion cleaner #699. In addition the regulations regarding waste analysis (i.e., TCLP) have been altered. Parts I.D.2a, I.D.2.b-c, and I.D.4 have been modified to reflect these changes. Parts I.D.2a and I.D.4 should be replaced in their entirety. The textual portion Part I.D.2b-c should be replaced. Exhibits I.2-1 through I.D.2-9 should be retained.

In addition to the previously identified changes, the cover page and Table of Contents should be replaced in their entirety. Exhibit I.A.20-1 should be replaced in its entirety.

Comment:

6. An engineer's certification for the construction permit application.

Response:

This is provided on Department forms.

RESPONSE 1

SEE CATCH BASIN SD 3.9-- FOR PARKING LOTS & AT CONE OF INFLUENCE

METROPOLITAN DADE COUNTY PUBLIC WORKS DEPARTMENT

APPROVED 5/5/81

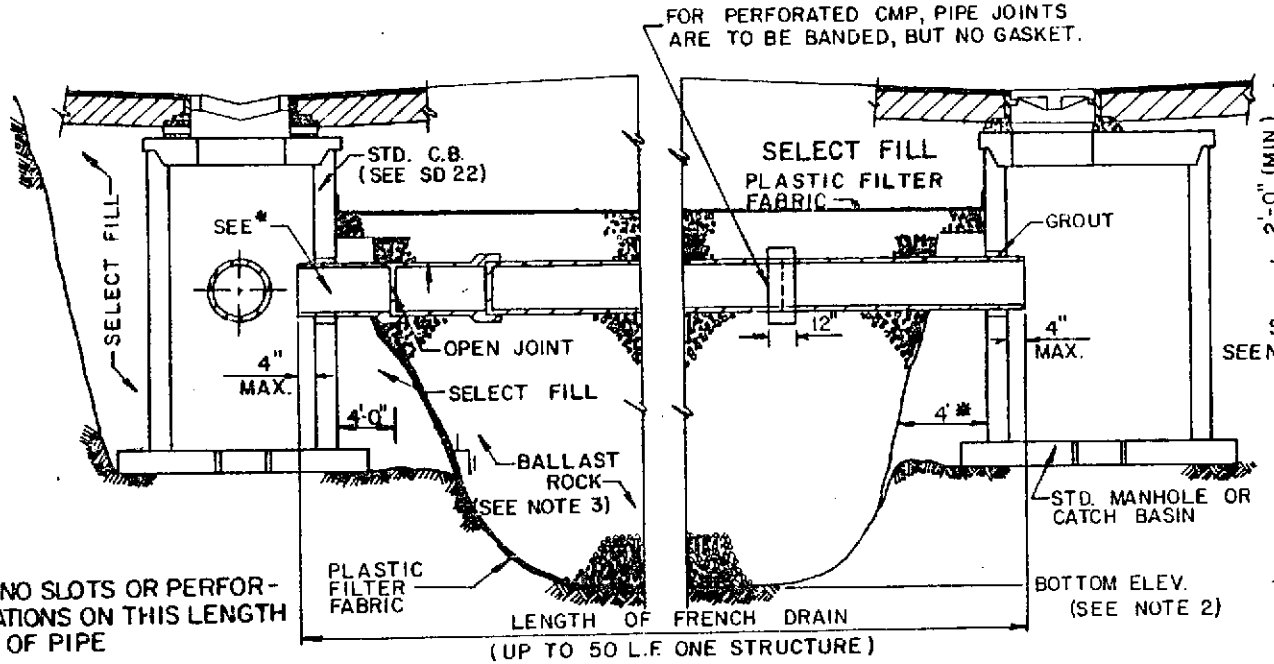
REVISED 5/21/81, 6/4/86, 7/7/88

STANDARD STORM DRAINAGE DETAIL

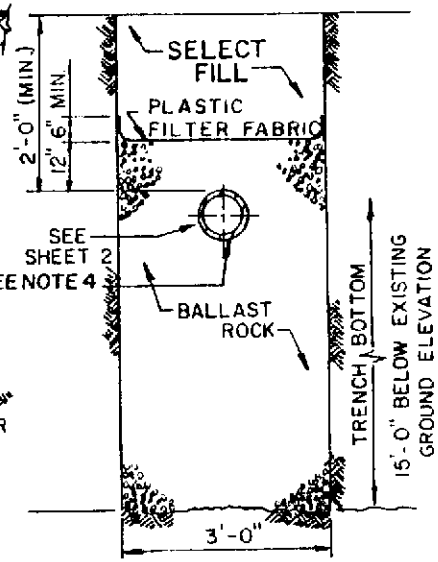
EXFILTRATION TRENCH

SD 1.1

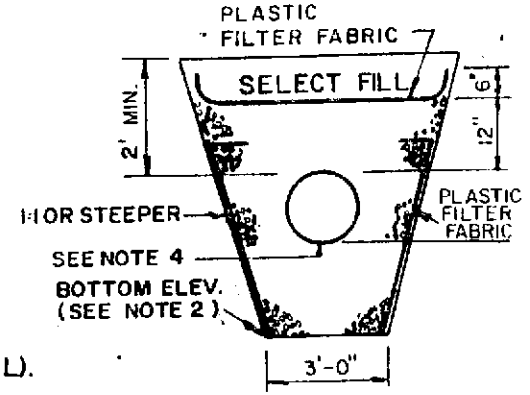
SHEET 1 OF 3



LONGITUDINAL SECTION



TRANSVERSE SECTION



ALT. TRANS. SECTION

MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE IN BELOW THE WATER TABLE IS LIKELY TO OCCUR. TO BE USED AT THE ENGINEER'S DISCRETION.

NOTES:

1. PLASTIC FILTER FABRIC (AT EA. SIDE) SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
2. THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE 15'-0" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE.
3. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION, SO THAT THE EXFILTRATION TRENCH BE COMPLETED IN ACCORDANCE WITH THE DETAILS.
4. INVERT ELEVATION TO BE AS SHOWN IN W.C. 2.2 (AVG. OCTOBER GROUND WATER LEVEL).

ITEM	CROSS REF.	SPEC. REF.
DRAINAGE PIPE		SEC. 320
EXFILTRATION TRENCH		SEC. 360
DESIGN WATER TABLE	DES. MAN.	SEC. D4
BALLAST ROCK		SEC. 360
PV'MT RESTORATION	R-21.1	

NOTE: IF THIS DETAIL IS TO BE USED FOR PRETREATMENT OF STORMWATER RUN-OFF, THE INVERT OF PIPE TO BE AS SHOWN IN W.C. 2.2; IF PRETREATMENT HAS BEEN PROVIDED THRU OTHER MEANS THE INVERT OF PIPE CAN BE LOWER THAN SHOWN IN W.C. 2.2.

GENERAL NOTES FOR PIPE CULVERTS

THE CONTRACTOR HAS THE OPTION OF INSTALLING THE FOLLOWING PIPE TYPES:

A. CONCRETE – SLOTTED PIPE
B. CORRUGATED STEEL PIPE – BIT. COATED BOTH SIDES PERF. (SEE TABLE BELOW)
C. CORRUGATED ALUMINUM – (PERFORATED, SEE TABLE BELOW)
D. CORRUGATED METAL – SMOOTH-LINED PIPE

CORRUGATED STEEL & ALUMINUM PIPE CULVERTS			
PIPE DIAM. (inches)	CONVENTIONAL CMP	SMOOTH LINED	
		OUTER SHELL	LINER
	Approx. No. of $\frac{3}{8}$" Dia. Holes * (PER LIN. FT. OF PIPE)	No. of $\frac{3}{8}$" Dia. Holes (PER LIN. FT. OF PIPE)	No. of $\frac{5}{8}$" Dia. Holes (PER LIN. FT OF PIPE)
15	100	100	50
18	120	120	60
24	160	160	80
30	200	200	100
36	240	240	120
42	275	275	140
48	315	315	160
54	355	355	180
60	395	395	200
72	470	470	235
84	550	550	275

NOTE: PERFORATIONS SHALL BE UNIFORMLY SPACED AROUND THE FULL PERIPHERY OF THE PIPE TO WITHIN 4" OF EACH END OF EACH LENGTH OF PIPE. THE NUMBER OF PERFORATIONS PER LINEAR FOOT OF PIPE AND THE DIAMETER OF THE PERFORATIONS SHALL BE AS SHOWN ON THE ABOVE TABLE.

* 5/16 INCH DIAMETER HOLES MAY BE UTILIZED IN LIEU OF THE 3/8 INCH DIAMETER HOLES IF THE NUMBER OF HOLES IS INCREASED TO PROVIDE AN EQUAL CROSS SECTIONAL HOLE AREA. THE OTHER REQUIREMENTS REMAIN THE SAME.

ITEM	CROSS REF.	SPEC. REF.
EXFILTRATION TRENCH		SEC. 360

METROPOLITAN DADE COUNTY PUBLIC WORKS DEPARTMENT	APPROVED 5/21/81	REVISED 6/4/86	STANDARD STORM DRAINAGE DETAIL EXFILTRATION TRENCH (PIPE CULVERT NOTES)	SD 1.1 SHEET 2 OF 3

METROPOLITAN DADE COUNTY
PUBLIC WORKS DEPARTMENT

APPROVED 1/30/81

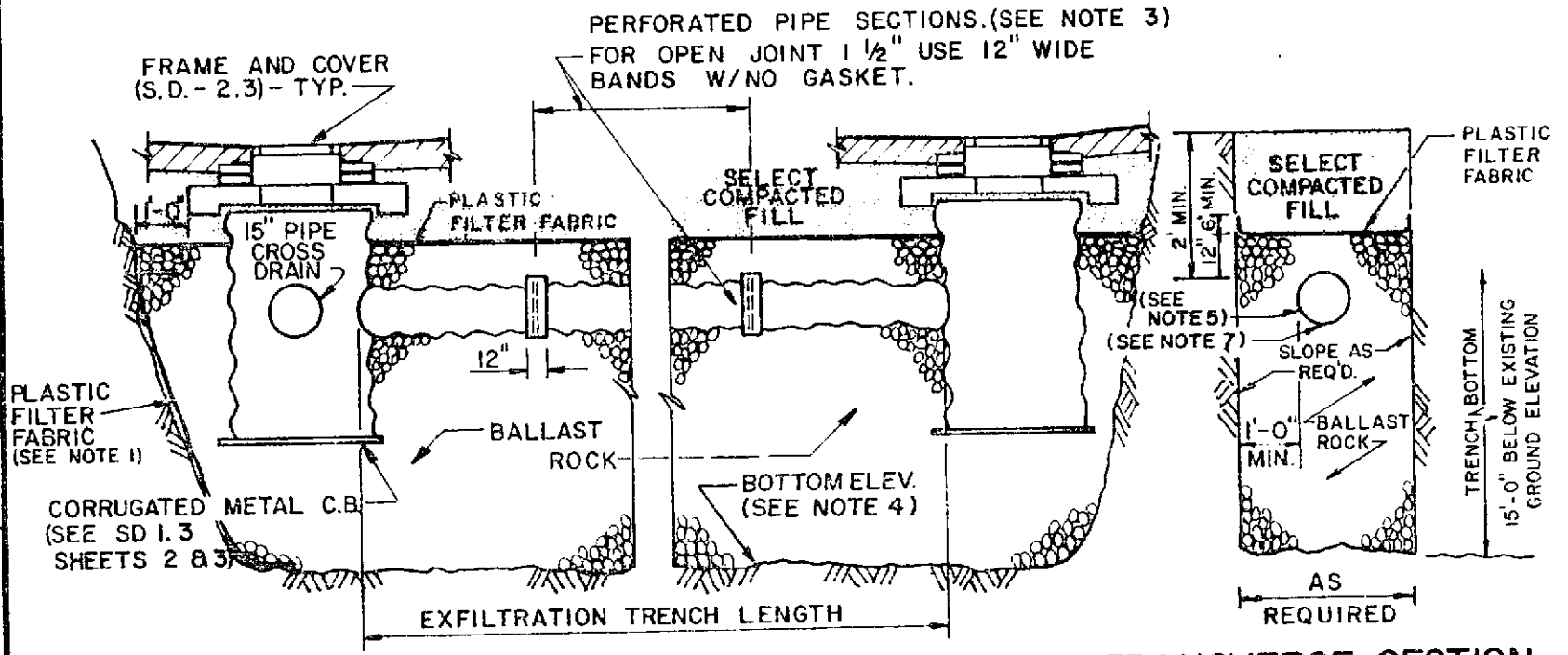
REVISED 6/4/86, 7/7/88

STANDARD STORM DRAINAGE DETAIL

EXFILTRATION TRENCH FOR METAL CATCH BASIN

SD 1.1

SHEET 3 OF 3



LONGITUDINAL SECTION

TRANSVERSE SECTION

NOTES:

1. PLASTIC FILTER FABRIC, EACH SIDE, OVERLAPPED ON TOP, SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR HAS THE OPTION OF INSTALLING THE FOLLOWING PIPE TYPES:
   A. CORRUGATED STEEL – BITUMINOUS COATED BOTH SIDES (PERFORATED).
   B. CORRUGATED ALUMINUM (PERFORATED).
3. PERFORATIONS: ACCORDING TO AASTHO SPECIFICATIONS M 36-74 AND M 196-74.
4. EXFILTRATION TRENCH BOTTOM ELEVATION SHALL BE 15'-0" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE.
5. PIPES FROM 15" UP TO 24"Ø DIAMETER CAN BE USED.
6. THE INSIDE AND OUTSIDE OF ALL BRICK WALLS SHALL BE PLASTERED WITH 1:2 CEMENT MORTAR ½" THICK
7. INVERT ELEVATION TO BE AS SHOWN IN W.C. 2.2 (AVG. OCTOBER GROUND WATER LEVEL)
8. WHEN SLAB COVERED TRENCH IS ALLOWED THEN INVERT OF PIPE CAN BE LOWER THAN OCTOBER LEVEL.

ITEM	CROSS REF.	SPEC. REF.
DRAINAGE PIPE		SEC. 360
EXFILT. TRENCH CONST.		SEC 360
DESIGN WATER TABLE	DES. MAN.	
BALLAST ROCK		SEC. 360
PAV'T RESTORATION	R-21.1	

E. R. BROWNELL & ASSOCIATES, INC.
Engineers - Land Surveyors
3152 Coral Way
MIAMI, FLORIDA 33145
(305) 446-3511

JOB SAFETY KLEEN #4402.1
SHEET NO. 1 OF 5
CALCULATED BY G. ZAMORA DATE AUG. 1, 199
CHECKED BY E.S LOFBERG DATE
SCALE

SAFETY - KLEEN CORP.

DRAINAGE CALCULATIONS

NW 96 ST. & NW 89 AVE.

MIAMI, FLORIDA

E. R. BROWNELL & ASSOCIATES, INC.
Engineers - Land Surveyors
3152 Coral Way
MIAMI, FLORIDA 33145
(305) 446-3511

JOB SAFETY KLEEN #4402 | SHEET NO. 2 OF 5 | CALCULATED BY G. ZAMORA DATE AUG 1, 1990 | CHECKED BY E.S. LOFBERG DATE | SCALE

DESIGN DATA AND CRITERIA

1. DESIGN STORM: 5 YEAR FREQUENCY
2. FLOOD CRITERIA: ELEVATION 6.7
3. LOWEST PIPE INVERT TO SATISFY DERM REQUIREMENTS FOR FRENCH DRAINS

AVERAGE OCTOBER GROUND WATER LEVEL (W.C 2.2)	
INVERT OF 15" PIPE	3.0
15" PIPE	1.25
COVER OVER PIPE	2.00
LOWEST POSSIBLE RIM ELEVATION	6.25

4. PERCOLATION TEST BASED ON TRENCH TEST PERFORMED ON THE SITE BY SCHWEBLE-SHEGIN & ASSOCIATES

TEST DATA RESULTS & CALCULATIONS

LENGTH = 10.0 FEET
WIDTH = 3.0 FEET
DEPTH TO WATER = 2.50 FEET
DEPTH BELOW WATER = 11.40 FEET
WATER INPUT = 1455 GALLONS
ELAPSED TIME WATER RUNNING = 4.00 MINUTES = 240 SEC
RISE IN WATER TABLE = 2.40 FEET
EXFILTRATION RATE: Q_{OUT} (CFS/FT)

$$= \frac{\text{INPUT VOL (FT}^3\text{)} - \text{VOL REMAINING ABOVE INITIAL (FT}^3\text{)}}{(\text{LENGTH OF TRENCH})(\text{TIME IN SEC PUMP RUNNING})}$$

$$= \frac{(1455\ \text{GAL})\left(\frac{1\ \text{FT}^3}{7.48\ \text{GAL}}\right) - (10.0\ \text{FT})(2.0\ \text{FT})(2.40\ \text{FT})}{(10.0\ \text{FT})\quad(240\ \text{SEC})}$$

Q_{OUT} = 0.06 CFS/L.F.

E. R. BROWNELL & ASSOCIATES, INC.
Engineers - Land Surveyors
3152 Coral Way
MIAMI, FLORIDA 33145
(305) 446-3511

JOB SAFETY KLEEN 44021
SHEET NO. 3 OF 5
CALCULATED BY G. ZAMORA DATE AUG 1, 1990
CHECKED BY F.S. LOFBERG DATE
SCALE

DRAINAGE CALCULATIONS

PROP INLET #1

AREA = 12254 SQ FT = 0.28 ACRES ±
C = 0.9
I = 6.7 IN/hr
Q = CiA = (0.9)(6.7)(0.28) = 1.69 C.F.S. ±
L = Q/Q_{OUT} = 1.69 CFS / 0.06 CFS/L.F.
= 28 FT.
USING A SAFETY FACTOR OF 2 L = 56 FEET
USE L = 60 FEET

PROP INLET #2

AREA = 17,200 SQ. FT = 0.39 ACRES
C = 0.9
I = 6.7 IN/hr
Q = CiA = (0.9)(6.7)(0.39) = 2.35 C.F.S. ±
L = Q/Q_{OUT} = 2.35 CFS / 0.06 CFS/LF
= 39 FT.
USING A SAFETY FACTOR OF 2 L = 78 FEET
USE L = 80 FEET

PROP INLET #3

AREA = 12875 FT^2 = 0.29 ACRES
C = 0.9
I = 6.7 IN/hr
Q = CiA = (0.9)(6.7)(0.29) = 1.75 CFS ±
L = Q/Q_{OUT} = 1.75 CFS / 0.06 CFS/L.F.
= 29 FT.
USING A SAFETY FACTOR OF 2 L = 58 FEET
USE L = 60 FEET

E. R. BROWNELL & ASSOCIATES, INC.
Engineers - Land Surveyors
3152 Coral Way
MIAMI, FLORIDA 33145
(305) 446-3511

JOB SAFETY KLEEN #44021
SHEET NO. 4 OF 5
CALCULATED BY G. ZANORA DATE AUG. 1, 1990
CHECKED BY ESLOFBERG DATE
SCALE

PROP INLET #4

AREA = 16800 SQ FT. ≈ 0.39 ACRES
C = 0.9
I = 6.7 IN/hr
Q = C·I·A = (0.9)(6.7)(0.39) = 2.35 C.F.S. ±
L = Q/Q$_{OUT}$ = 2.35 CFS / 0.06 CFS/FT
= 39 FT
USING A SAFETY FACTOR OF 2 L = 78 FT.
USE L = 80 FEET

PROP INLET #5

AREA = 18900 SQ. FT. ≈ 0.43 ACRES
C = 0.9
I = 6.7 IN/hr
Q = C·I·A = (0.9)(6.7)(0.43) = 2.59 C.F.S. ±
L = Q/Q$_{OUT}$ = 2.59 CFS / 0.06 CFS/FT
= 43 FT
USING A SAFETY FACTOR OF 2 L = 86 FT
USE L = 90 FEET

PROP. INLET #6

AREA = 19450 SQ. FT = 0.45 ACRES
C = 0.9
I = 6.7 IN/hr
Q = C·I·A = (0.9)(6.7)(0.45) = 2.71 C.F.S.
L = Q/Q$_{OUT}$ = 2.71 CFS / 0.06 CFS/FT
= 45 FT
USING A SAFETY FACTOR OF 2 L = 90 FT
USE L = 90 FEET

Schwebke-Shiskin & Associates, Inc.

LAND PLANNERS • ENGINEERS • LAND SURVEYORS • ARCHITECTS • SOILS ENGINEERS

3240 CORPORATE WAY • MIRAMAR, FLORIDA 33025 • BROWARD 435-7010 • DADE 652-7010 • FAX 652-8284

TESTING DIVISION

TRENCH TEST

Client: BROWNELL & ASSOCIATES / SAFETY KLEEN

Project:

Test Hole #: 1

Job #: 69691

Date: JULY 13, 1990

SOIL CONDITIONS:

0.0' - 1.0'	=	SAND
1.0 - 4.5	=	ROCK SAND FILL
4.5 - 5.0	=	SAND
5.0 - 13.9	=	LIMEROCK
-	=	
-	=	
-	=	

TEST HOLE CONDITIONS:

Length = 10.00 ft. Width = 3.0 ft.

Ground Elevation = ft.

Depth to Water = 2.50 ft.

Depth below Water = 11.40 ft.

REMARKS:

1) Total gal. in tanks = 2000

2) Total time to empty tanks = 5.5 MIN.

3) Pump Input = 333 G.P.M.

4) Test stablized at: DID NOT

5) Trench terminated at:
2.40 ft. or 4.0 min.

WATER RUNNING (rise)

Elapsed Time	Water Level
0.00 minutes	0.00 feet
0.50 minutes	0.40 feet
1.00 minutes	0.80 feet
1.50 minutes	1.20 feet
2.00 minutes	1.50 feet
2.50 minutes	1.80 feet
3.00 minutes	2.00 feet
3.50 minutes	2.20 feet
4.00 minutes	2.40 feet
4.50 minutes	. feet
5.00 minutes	. feet
5.50 minutes	. feet
6.00 minutes	. feet
6.50 minutes	. feet

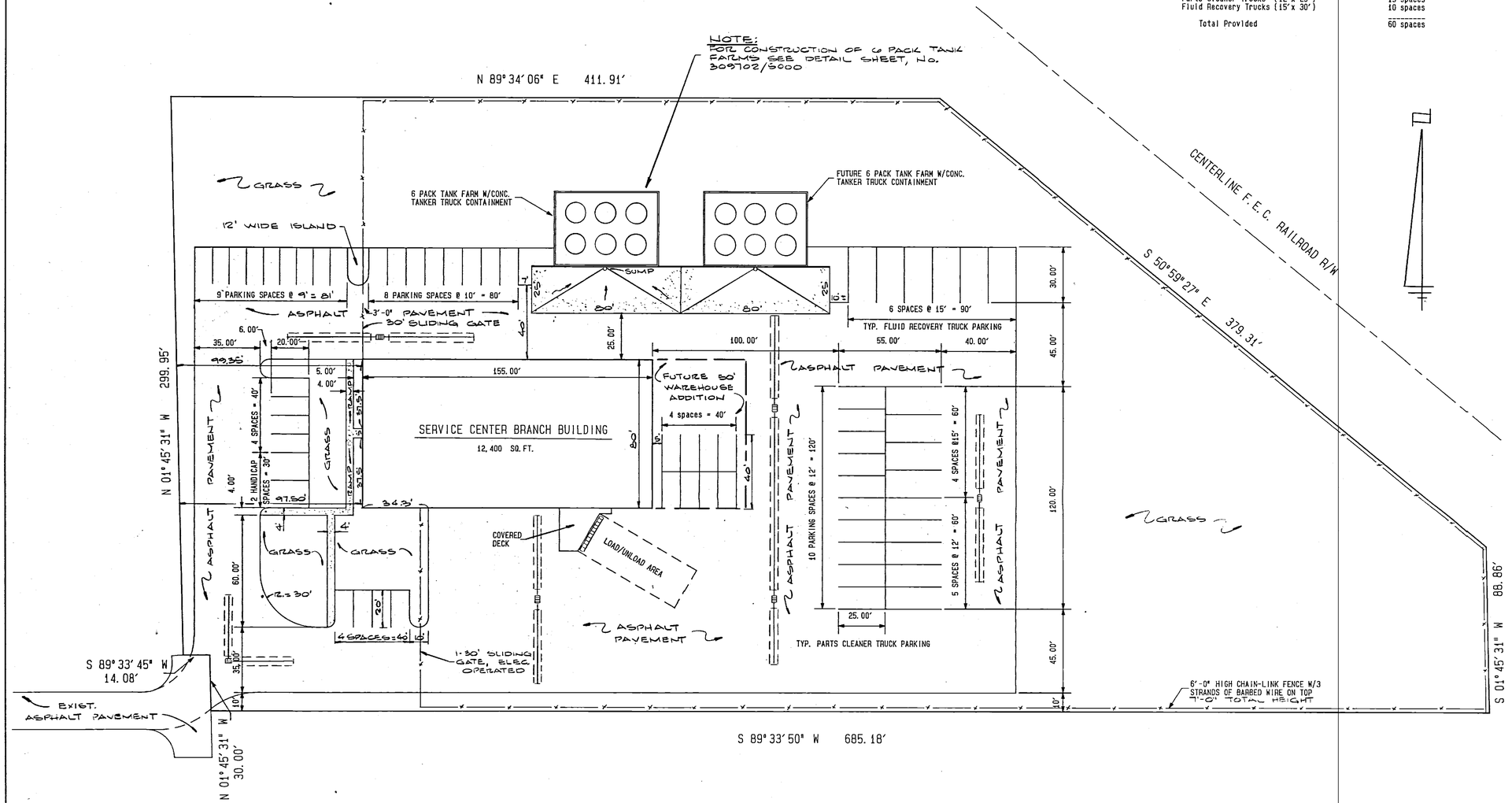
ADDITIONAL DROP OF 0.10 IN 3.0 MINUTES.

WATER OFF (fall)

Elapsed Time	Water Level
0.00 min/sec.	0.40 feet
0.50 min/sec.	0.20 feet
1.00 min/sec.	0.30 feet
1.50 min/sec.	0.35 feet
2.00 min/sec.	0.40 feet
. min/sec.	. feet
. min/sec.	. feet
. min/sec.	. feet
. min/sec.	. feet
. min/sec.	. feet
. min/sec.	. feet
. min/sec.	. feet
. min/sec.	. feet
. min/sec.	. feet
. min/sec.	. feet

Schwebke-Shiskin & Associates, Inc.

ALFONSO C. TELLO P.E. #32068



SITE DATA

LOT AREA

Total Land Area	195,596 sq. ft.
Lot Coverage	12,801 sq. ft.
Paved Area	96,215 sq. ft.
Landscape Area	86,580 sq. ft.

PARKING SPACES

Required	
Offices (4000 sq. ft.) 1/400 sq. ft.	10 spaces
Warehouse (8400 sq. ft.) 1/1000 sq. ft.	9 spaces
Total Required	19 spaces
Provided	
Employee/Visitors (10'x 20')	33 spaces
Handicapp (15'x 20')	2 spaces
Parts Cleaner Trucks (12'x 25')	15 spaces
Fluid Recovery Trucks (15'x 30')	10 spaces
Total Provided	60 spaces

ZONING LEGEND

Business, Industrial, Multiple Family Dev.

ZONING : M1

Height (to ridge of roof)	
Net Land Area	183,336 SQ.FT
Lot Coverage (everything under roof)	12,801 SQ.FT.
SETBACKS Front	
Side	
Side Street	
Rear	

Site to be filled to County flood criteria elevation N.G.V.D. or an elevation no less than the highest approved crown elevation of the road abutting the property.

Area adjacent to lake or canal to be graded so as to prevent direct overland discharge of stormwater into lake or canal.

Lot will be graded so as to prevent direct overland discharge of stormwater onto adjacent property. Applicant will provide certification prior to final inspection.

LOWEST FINISHED FLOOR ELEVATION

(including basement)

District "AH" Elevation 6

Cty Flood Criteria 6.7 Crown of Road 6.7

DISTRICTS	C.H.H.	S.F.H.	OTHER
REQUIRED			
PROPOSED×			

LOWEST FLOOR AS-BUILT ELEVATION SURVEY IS REQUIRED BEFORE MAKING ANY INSPECTION ABOVE LOWEST FLOOR

Shall be _____ inches above finished floor

ANY APPLICABLE RESOLUTION_

NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the Public Records of this County, Section 553.79(10), Florida Statutes, Effective 7/10/87

Applicant will comply with Ordinance 80-90 (section 13-13.1) of the Metropolitan Dade County Code, - prior to starting construction.

Parking: open parking lots, parking for non-enclosed areas under or within buildings, will be lighted as required by section "8-C" of the Metropolitan Dade County Code.

Landscaping: all landscape areas will have a sprinkler system.

Note: All signs required in section 33 of Metropolitan Metropolitan Dade County Code are deleted from this plan and require separate plans, application and permits.

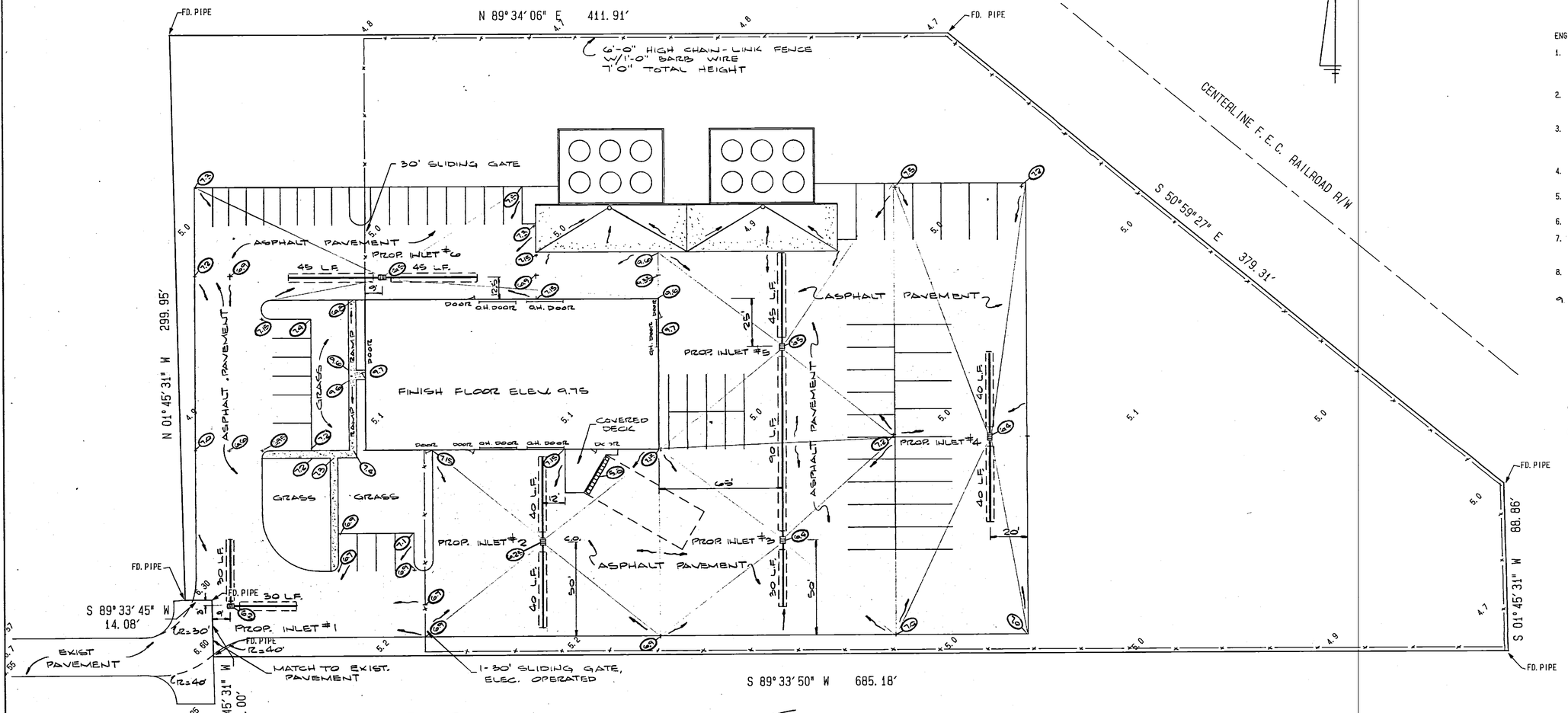
11/3/1990

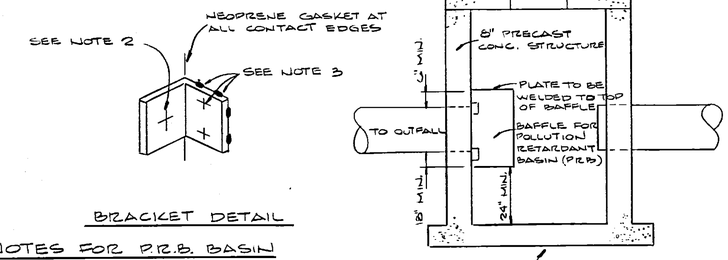
SAFETY-KLEEN CORP.
SITE PLAN

E. R. BROWNELL & ASSOC., INC.
CONSULTING ENGINEERS — LAND SURVEYORS
3152 Coral Way — Miami, Florida, 33145

No.	Date	Apvd.	J.N.	F.B.	Revision Description
					CONVERTED TO M.D.

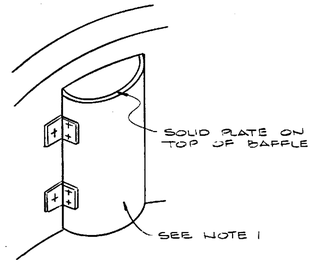
Professional Land Surveyor No.	
Professional Engineer No. 21749	
State of Florida	
Drawn by: GZ	Ref.
Des. by: GZ	J.N. 44021 — F.B. FILE
Chk. by: TB	Scale: 1"= 30' — Date: JULY 1990
Sheet 1 of 3	Sk. No. P-423





BRACKET DETAIL

CATCH BASIN PER DCPWD DETAIL STD. 2.6, MINIMUM SIZE 3.5 FT. BY 6.0 FT SQUARE.



BAFFLE DETAIL

NOTES FOR P.R.B. BASIN

1. BAFFLE TO BE A SECTION OF CMP CUT IN HALF. USE ONE-HALF OF A 24" ϕ CMP.
2. 3/8" GALVANIZED LAG BOLT IN LEAD SHIELD (TYP.)
3. WELD OR 2-1/2" THRU BOLTS (SS) GRATING SHALL BE OFFSET IF STRUCTURE IS USED AS OVERFLOW

TYPICAL CATCH BASIN

ENGINEER'S NOTES:

1. All materials and labor shall conform to Dade County Public Works standards and specifications, and to Florida Department of Transportation standards and specifications where appropriate.
2. Contractor shall verify acceptable utilities in the field by calling underground utility notification center 1-800-432-4770 prior to digging.
3. Fill shall be locally acceptable and suitable for fill purposes. Fill shall be compacted to 95% of Maximum density as determined by AASHTO T-180 test reports shall be submitted to the architect and owner.
4. PAVEMENT SECTION: 1½" FDOT TYPE S-1 SURFACE COURSE, 2" BINDER COURSE, 8" LIMEROCK BASE.
5. Concrete shall have a minimum compressive strength of 4000 PSI in 28 days FOR BUILDING AND TANK FARM.
6. Elevations shown are referred to NGV Datum.
7. Any apparent discrepancies in the plans and field conditions shall be brought to the attention of the engineer before proceeding with the work.
8. Dade County Flood Criteria: Elevation 6.7
   Fema Flood Zone "AH", Elevation 6
9. SEEPAGE STRUCTURES SHALL BE A FRENCH DRAIN (S.D. 1.1) WITH 15' PERFORATED CMP INVERT OF PIPE TO BE AT ELEVATION 3.0. BOTTOM OF TRENCH TO BE 15' DEEP. TRENCH WIDTH TO BE 36", PROVIDE MASONRY PLUG AT END OF TRENCH.

5.2 INDICATES EXISTING ELEVATION

(5.7) INDICATES PROPOSED ELEVATION

SAFETY-KLEEN CORP.
PAVING & DRAINAGE PLAN

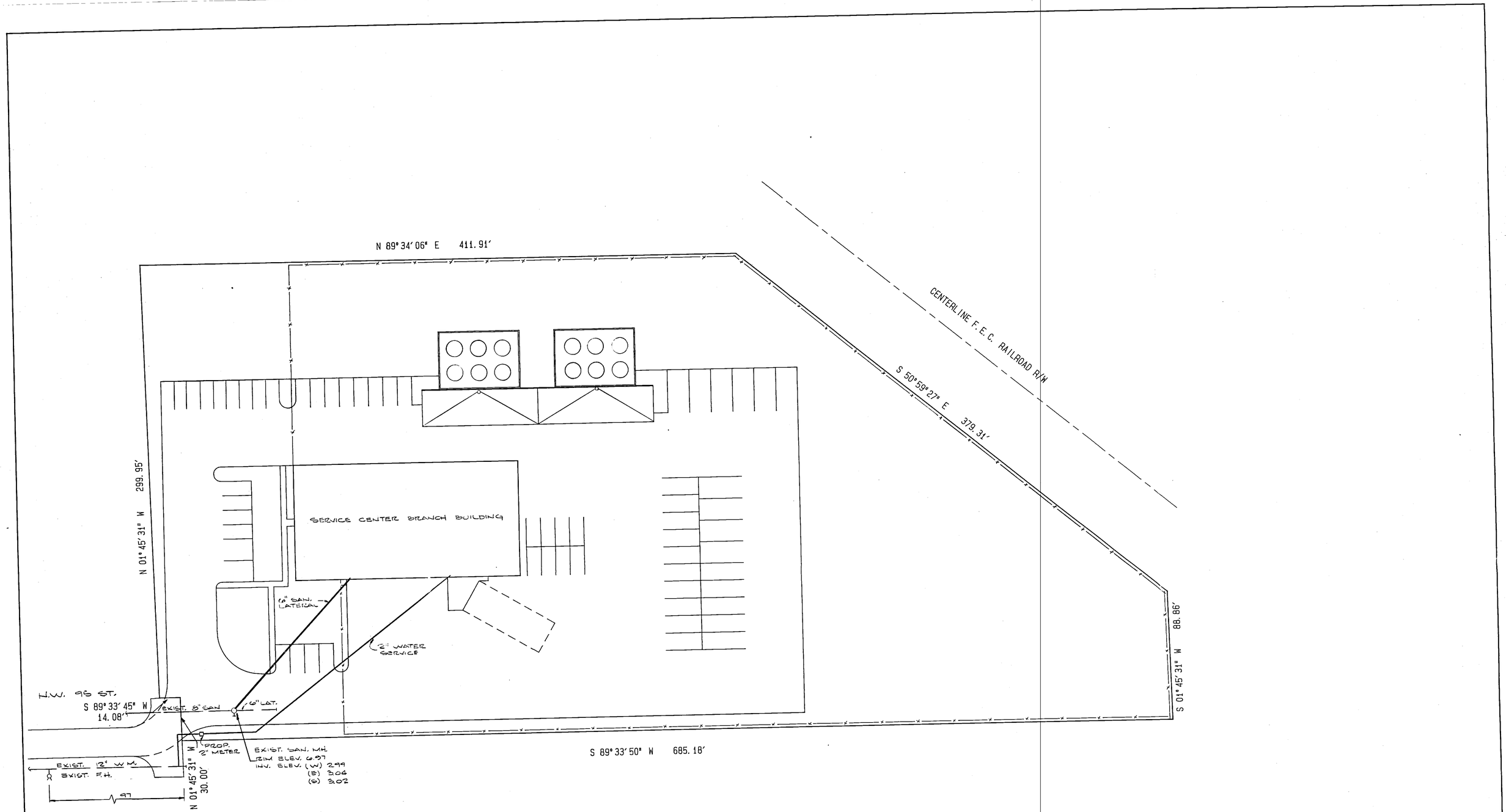
E. R. BROWNELL & ASSOC., INC.
CONSULTING ENGINEERS — LAND SURVEYORS
3152 Coral Way
Miami, Florida, 33145

No.	Date	Apvd.	J.N.	F.B.	Revision Description
1	11/21/90				COMMENTS PER M.H.

Professional Land Surveyor No.
Professional Engineer No. 31789
State of Florida

Drawn by: GZ | Ref.
Des. by: GZ | J.N. 44021 | F.B. FILE
Chk. by: TB | Scale: 1"=30' | Date: JULY 1990

Sheet 2 of 3
Sk. No. P-423



NOTE:
UTILITY INFORMATION OBTAINED FROM TOWN OF MEDLEY WATER & SEWER DEPARTMENT. CONTRACTOR SHALL VERIFY UTILITIES IN THE FIELD PRIOR TO DIGGING.

No.	Date	Apvd.	J.N.	F.B.	Revision Description

SAFETY-KLEEN CORP.
UTILITY PLAN

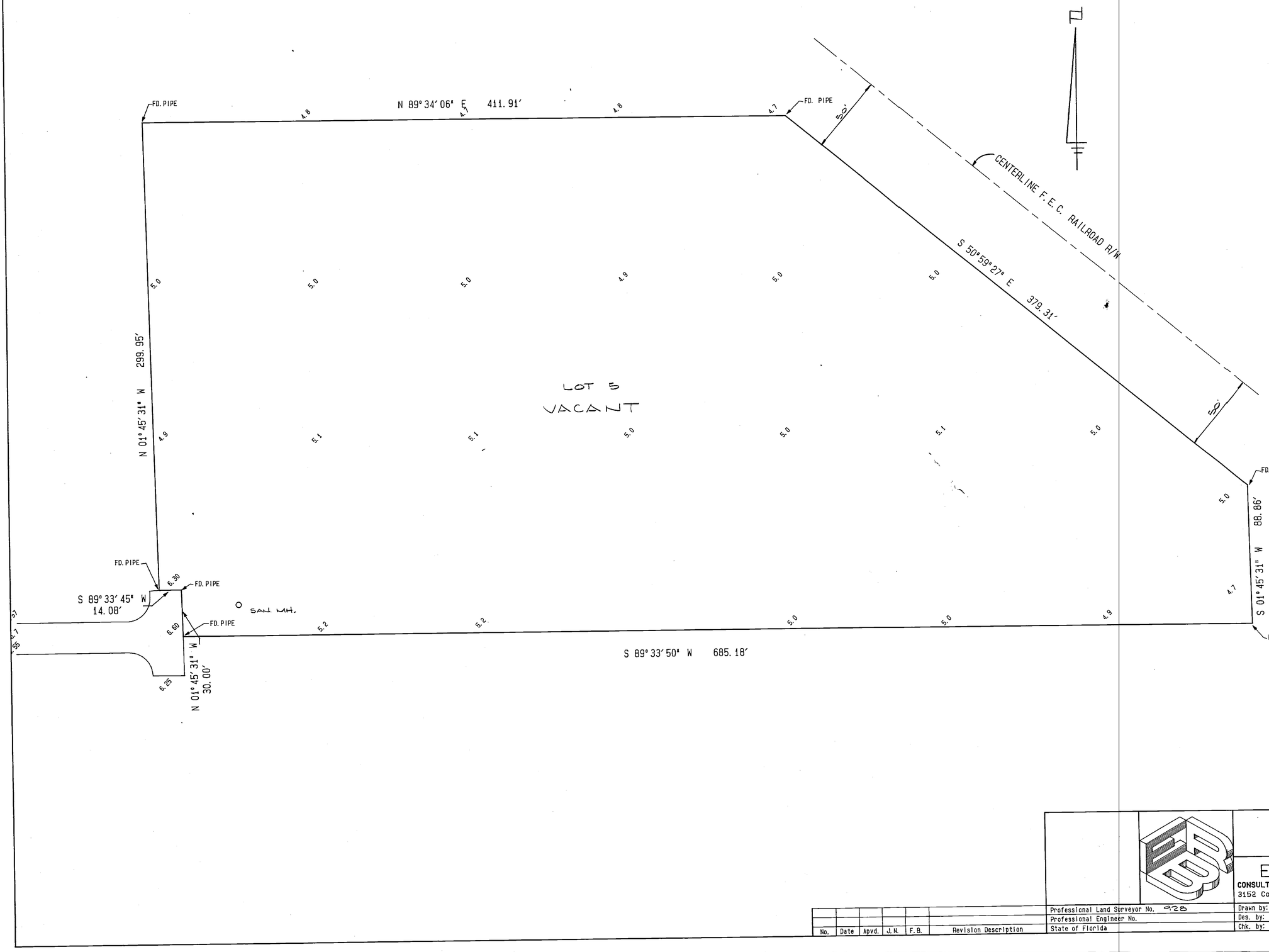
E. R. BROWNELL & ASSOC., INC.
CONSULTING ENGINEERS
LAND SURVEYORS
3152 Coral Way
Miami, Florida, 33145

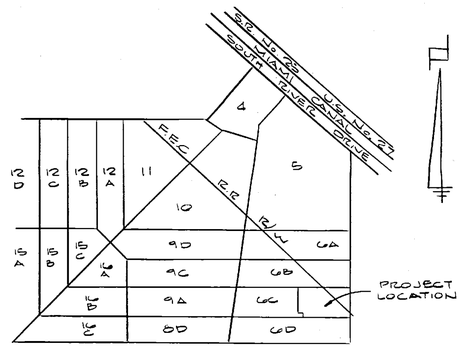
Professional Land Surveyor No.
Professional Engineer No. 5773
State of Florida

Drawn by: GZ | Ref.
Des. by: GZ | J.N. 11021 | F.B. [illegible]
Chk. by: TB | Scale: 1" = 30' | Date: [illegible]

Sheet 3 of 3
Sk. No. M-1008

SKETCH OF BOUNDARY SURVEY





LOCATION SKETCH
SCALE: 1" = 1000'

LEGAL DESCRIPTION:

That portion of the East 699.08 fee of Tract 6C, SUNNY GLADES FARM, according to the plat thereof as recorded in Plat Book 8 at Page 73, of the Public Records of Dade County, Florida, lying Southwesterly of the Southwesterly right-of-way line of the Florida East Coast Railroad, where the Easterly line of said Tract 6C is coincident with the Easterly line of the Southeast 1/4 of Section 4, Township 53 South, Range 40 East, Dade County, Florida; LESS the South 30.00 feet of the West 14.08 feet thereof for road right-of-way.

NOTES:

1. Elevations shown are referred to NGV Datum based upon Dade County Bench Mark No. N-519 located at NW 103 Street extension and U.S. Highway No. 27, Elevation 10.07 feet.
2. Bearings are based on the State Plane Coordinate System, Florida East Zone.

SURVEYOR'S CERTIFICATION:

This is to certify to the herein named firm and/or persons that the "Boundary Survey" of the herein described property is true and correct to the best of our knowledge and belief as recently surveyed and platted under our direction, also that there are no visible encroachments other than those shown, and that this "Boundary Survey" meets the Minimum Technical Standards set forth by the Florida Board of Land Surveyors pursuant to Chapter 472.027, Florida Statutes.

E. R. BROWNELL & ASSOCIATES, INC.

E. R. Brownell, President
Professional Land Surveyor #928
State of Florida

SAFETY-KLEEN CORP.
SKETCH OF BOUNDARY SURVEY

E. R. BROWNELL & ASSOC., INC.
CONSULTING ENGINEERS — LAND SURVEYORS
3152 Coral Way
Miami, Florida, 33145

No.	Date	Apvd.	J.N.	F.B.	Revision Description

Professional Land Surveyor No. 928	Drawn by: GZ	Ref.	Sheet 1 of 1
Professional Engineer No.	Des. by: GZ	J.N. 44021 / F.B. 685-34	Sk. No. LS-1305
State of Florida	Chk. by: TB	Scale: 1" = 30' / Date: JULY 1990	

RESPONSE 2

safety-kleen

November 9, 1990
DDD 90-135

SIKA CORP.
201 Polito Avenue
Lindhurst, NJ 07071
Attn: Edwin Diaz

Subject: Testing of Sikadur 51 NS-SL and Sika Guard 51

Dear Mr. Diaz,

Please provide Safety-Kleen Corp. with a certification letter demonstrating that your products, Sikadur 51 NS-SL and Sika Guard 62, when used to seal concrete floors are compatible with and resistant to the following chemicals:

1. Mineral spirits
2. Perchloroethylene
3. Methylenechloride
4. Cresylic acid
5. Orthodichlorobenzene
6. Trichlorotrifluoroethane

Please forward the test information to:

Safety-Kleen Corp.
O'Hare Technical Center
P.O. Box 92050
Elk Grove Village, IL 60009-2050
Attn: Daniel D. Dowling

Thank you in advance for your cooperation. If you have any questions or comments please feel free to call at 312/694-2700 ext. 7044.

Sincerely,

Daniel Dowling

DANIEL D. DOWLING
Project Manager
Branch Constr. & Maint.

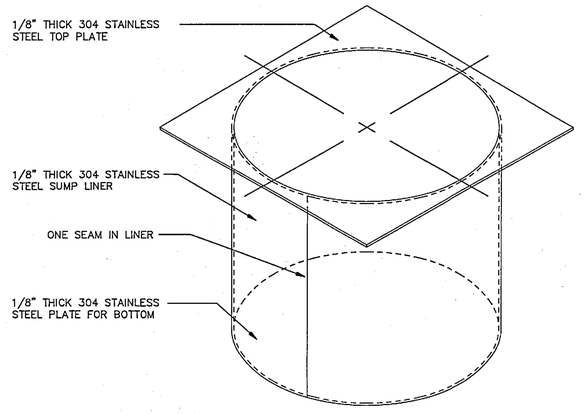
DDD:bjr

cc: William Heyn
Melissa Hlabasko
Ellen Jurczak
Jack Krivec
Cindy Norton - **ERM South**

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

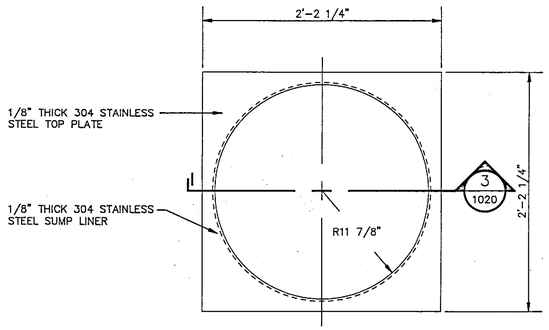
RESPONSE 3

RESPONSE 4



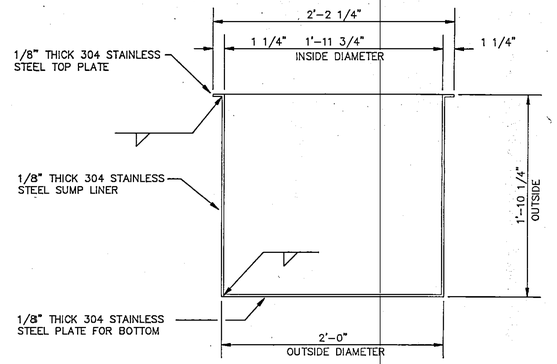
1 SUMP LINER

NOT TO SCALE



2 SUMP LINER PLAN

NOT TO SCALE

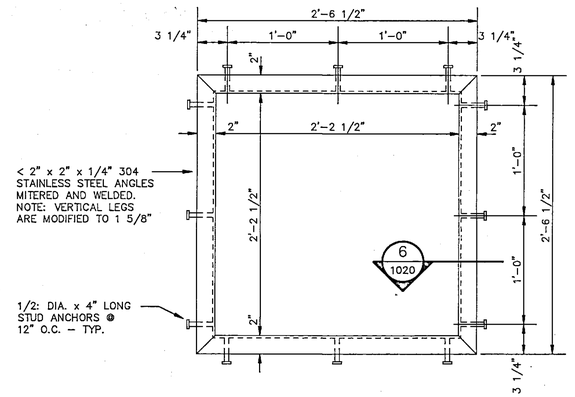


3 SUMP LINER SECTION

NOT TO SCALE

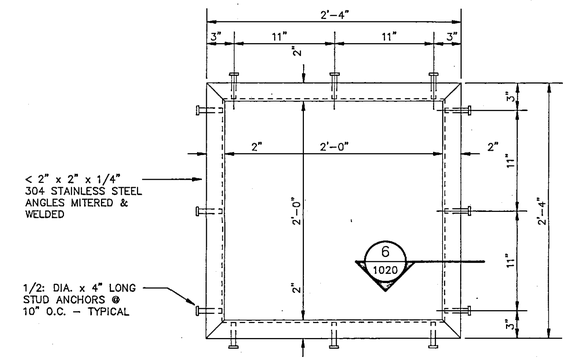
GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.



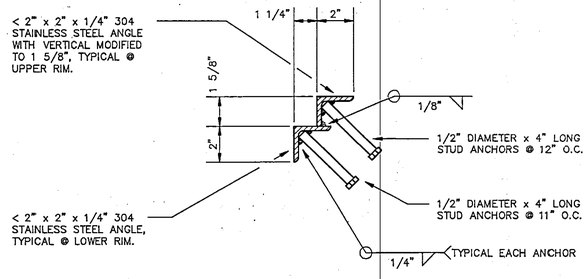
4 UPPER SUMP RIM DETAIL

SCALE: 1 1/2" = 1'-0"



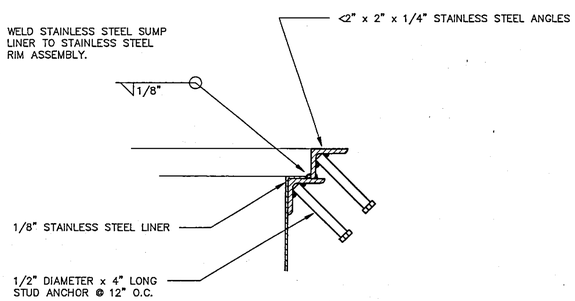
5 LOWER SUMP RIM DETAIL

SCALE: 1 1/2" = 1'-0"



6 SUMP RIM DETAIL

SCALE: 3" = 1'-0"



7 LINER AND RIM ASSEMBLY DETAIL

SCALE: 3" = 1'-0"

NO.	DESCRIPTION	BY	CHK	APPR	DATE
	REVISIONS				

TITLE

24" DIAMETER STAINLESS STEEL SUMP LINER FABRICATION

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

SCALE	BY	CHKD	P.E. APPR	OP. APPR	DATE
AS SHOWN	JHD	–	–	WOH	9-25-90

SERVICE CENTER STANDARDS
FABRICATION

STD-DWG-REV NO.
STD-1020-00

Exhibit I.E.3-12

RESPONSE 5

I.D.2.a DESCRIPTION OF THE BUSINESS

Safety-Kleen Corp. of Elgin, Illinois is an international, service-oriented company whose customers are primarily engaged in automotive repair and industrial maintenance. Since 1968, Safety-Kleen has been offering a leasing service for hydrocarbon and chlorinated solvents and small parts washing equipment. A unique feature of this business concept is that the solvent is produced through recycling the used solvent that is leased to the customers. Approximately two-thirds of the clean solvent leased has been previously used by the customers.

The Safety-Kleen parts washing equipment, together with the solvents, are leased to customers; the leasing charge includes regularly scheduled solvent changes and machine maintenance. The business is conducted from local service centers (sales branches) located in 45 states domestically that warehouse the products and equipment required to service the customers in their sales areas. On a regular basis, service representatives furnish clean solvent to the customers, pick up the used solvent, and ensure that the leased equipment is in good working order. In 1979, Safety-Kleen expanded their scope of operations to make their solvent leasing service available to owners of parts cleaning equipment, regardless of manufacturer, using Safety-Kleen's types of solvents.

Basically, Safety-Kleen handles three types of parts washer solvents: a mineral spirits solvent and old and new formulations of immersion cleaner. The old immersion cleaner solvent is labeled under the trade name of "Immersion Cleaner and Carburetor and Cold Parts Cleaner #609." It is a two-phase system consisting of an upper aqueous (water) layer and lower non-aqueous (solvent) layer. The water phase consists of water and Dresinate TX (sodium soap of tall oil). The solvent phase is composed of methylene chloride, orthodichlorobenzene, cresylic acid, and an amines additive. A new immersion cleaner is being marketed under the name #699 and will eventually replace the old immersion cleaner. It is a non-chlorinated solvent mixture.

The solvent is composed of heavy aromatic naphtha, N-methyl-2-pyrolidon dipropylene glycol methyl ether, monoethanolamine and oleic acid. It contains a maximum of 1 percent total chlorinated solvents. The solvents are distributed and collected by their service representatives. Drums are transported in specially-equipped, enclosed route trucks. Clean solvents are distributed from and used solvents returned to the service center where they are stored in separate tanks for the clean and used mineral spirits bulk storage. Warehouse space is dedicated for the storage of both clean and used immersion cleaner drums. Safety-Kleen leases parts washing equipment, including partially filled 16- and 30-gallon drums, which double as the solvent reservoir of the parts washer. During servicing, the quantity of used solvent removed from each machine ranges from 5 to 20 gallons. The mineral spirits are collected in 16- and 30-gallon red steel drums. The 609 Immersion Cleaner is housed in 16-gallon gray steel drums. A 16-gallon gray steel drum with a red band is used for 699 Immersion Cleaner. The perchloroethylene from dry cleaning operations is collected in 16-gallon black poly drums.

Periodically, a company truck is dispatched from one of Safety-Kleen's nationwide solvent recycle facilities to the service center to deliver a load of clean solvent and pick up a load of used solvent. Mineral spirits are transported in bulk tank trucks between the service centers and the recycle facilities. The Immersion Cleaner remain in the covered drums during transfer between the service centers and the recycle facilities. Approximately 97 percent of the solvent handled in the parts washer business is mineral spirits, while the remainder is immersion cleaner.

Safety-Kleen's solvent cycle is essentially a closed loop, moving from the service center to the customer, from the customer to the service center, from the service center to the recycle facility and then from the recycle center back to the service center. The small quantities of residue remaining in the storage tanks at the service

centers and after distillation of the used solvent at Safety-Kleen's solvent recycling facilities are disposed of in accordance with applicable laws and regulations.

This closed loop supplies Safety-Kleen with most of its solvent requirements; the resultant stabilized cost benefits are passed on to its customers. Ownership of the solvent remains with Safety-Kleen; the service center managers are accountable for the quantities of clean and used solvents handled by their branch operations. The service center is basically a temporary storage and transfer facility. By FDER definition, however, these centers are considered to be the waste generator.

Safety-Kleen also provides a dry cleaning waste reclamation service where drums of dry cleaning wastes (chlorinated) are collected and stored temporarily at the service centers before shipment to the recycle centers for reclamation and residue disposal.

In 1986, a paint waste reclamation program was initiated to service automobile body repair businesses. Wastes containing various lacquer thinners and paints are collected in 5-gallon pails and in 16-gallon drums on the customer's premises. The sales representative collects these containers and stores them in the drum storage area of the warehouse. These wastes are periodically shipped to a reclaimer and there claimed solvent is distributed to Safety-Kleen customers for use as product.

In 1988, a nonhazardous waste oil collection service was initiated to service automotive service businesses. Waste oil is collected by a 3,500-gallon tanker truck which returns to the service center when full and stores the waste in one of the 20,000-gallon storage tanks. These wastes are periodically shipped to a Safety-Kleen oil re-refinery and the re-refined oil is distributed to Safety-Kleen customers for use as product. This waste is not currently regulated as a hazardous waste and is therefore not required to be permitted.

ID2.b and c SPECIFICATIONS AND ANNUAL QUANTITIES OF HAZARDOUS WASTES

In accordance with U.S. EPA Hazardous Waste Regulations, four types of hazardous waste have been identified at the service center:

1. The used mineral spirits solvent, returned from customers in separate drums transferred and stored in the aboveground tank awaiting shipment to the recycle facility is considered to be an Ignitable Waste and (D001) a characteristic waste by TCLP;

2. The used chlorinated solvent, returned from customers in separate drums and remaining in the same drum for shipment to the recycle facility is considered to be a Listed Waste from Non-Specific sources (F002 and F004); and a characteristic waste by TCLP;

3. The used immersion cleaner #699, returned from customers in separate drums and remaining in the same drum for shipment to the recycle facility, is considered a characteristic waste by TCLP;

4. Mineral spirits, dumpster mud, and tank bottom sludge accumulated in the solvent return receptacles (wet dumpsters) and in the sludge tank, is considered to be an Ignitable Waste (D001) a characteristic waste by TCLP; and

5. The spent halogenated solvents, collected from dry cleaning facilities in separate drums and remaining in the same drum for shipment to the recycle center, is considered to be a Listed Waste from Non-Specific Sources (F002)and a characteristic waste by TCLP.

6. Paint waste is considered to be a listed waste from nonspecific sources (F003 and F005) or a characteristic waste by TCLP.

   TCLP waste codes which may apply to any of the waste streams may include D004 through D011; D018, D019, D021 through D030, and D032 through D043.

   A typical composition, and chemical physical analysis for each of the waste streams listed above are shown in the attached chemical analyses reports (Exhibits ID2-1 through ID2-10), based on existing data on these wastes generated from similar processes within Safety-Kleen's current and/or potential customers.

USED MINERAL SPIRITS

The clean mineral spirits solvent is labeled under the trade name of "Safety-Kleen 105 Solvent", so-named because of the flash point of the solvent being 105°F (minimum). Chemically, the solvent primarily consists of petroleum hydrocarbon fraction (the mineral spirits) with boiling points between 310°F and 400°F. Impurities, such as light aromatic hydrocarbons (LAHC) and chlorinated hydrocarbons, usually constitute less than one percent of the total volume. The mineral spirits constituted over 99.5 percent of the total volume of the solvent.

The used mineral spirits solvent consists primarily of mineral spirits solvent plus water, solid, oil, and grease picked up in the various degreasing operations. In most instances, no water is associated with the used solvent; however, at times, the water content may range from one percent to as much as 50 percent. The oily bottoms may range from 2 percent to 10 percent, by volume, in the used solvent.

Chemically, the composition of the solvent fraction in the used mineral spirits solvent is essentially the same as the clean solvent, as shown in analyses.

An estimated 243,000 gallons of used mineral spirits are expected to be shipped to a recycle center from this facility annually.

USED IMMERSION CLEANER

The clean chlorinated solvent is labeled under the trade name of "Immersion Cleaner and Carburetor and Cold Parts Cleaner #609." It is a two-phase system consisting of an upper aqueous (water) layer and lower non-aqueous (solvent) layer. The water phase consists of water and Dresinate TX (a sodium soap of tall oil). The solvent phase is composed of methylene chloride, orthodichlorobenzene, cresylic acid, and an amines additive.

A new "Immersion Cleaner and Carburetor and Cold Parts Cleaner #699" is also being leased. It is a heavy aromatic naphtha, N-methyl-2-pyrolidon dipropylene glycol methyl ether, monoethanolamine and oleic acid, and contains a maximum of 1 percent total chlorinated solvents.

The used immersion cleaner is basically unchanged from its clean state, except oil, grease, and other solids may be picked up during the various degreasing operations. The spent solvent is non-flammable. It is regarded as toxic because of the contents of various solvents.

It is anticipated that 5,500 gallons of used immersion cleaner will be stored at this facility annually.

USED MINERAL SPIRITS BOTTOM SLUDGE

This is material settled from used mineral spirits in the aboveground tanks. It contains basically soils, oil and grease, and some water picked up in the degreasing operations, together with a small amount of mineral spirits. Analyses have shown

that the sludge is an ignitable waste and might also be considered toxic using TCLP standards.

The sludge is removed from the aboveground tank periodically and shipped to Safety-Kleen's facility for reclamation.

USED MINERAL SPIRITS DUMPSTER MUD

This waste material is accumulated in the wet dumpsters when emptying the used mineral spirits from the drums into the aboveground storage tanks. The nature of this waste is similar to the used mineral spirits bottom sludge, except with some small metal parts and less mineral spirits. It is regarded as an ignitable waste and often is also considered a characteristic waste using TCLP standards.

The sludge in the dumpsters is cleaned out frequently. The waste is drummed and shipped to Safety-Kleen's facility for recycling. Approximately 150 drums (1,500 gallons) of dumpster sludge will be removed from this service center each year.

DRY CLEANING WASTES

Solvent used in dry cleaning of clothing is commonly tetrachloroethylene (or perchloroethylene). Hence, waste generated from dry cleaning operations contains various concentrations of the solvent. Basically, wastes generated by dry cleaning facilities are in the following forms.

1. Cartridge Filter: In addition to the construction materials consisting of steel, paper, clay, and carbon, the used cartridge retains solvent, oil and grease, and undissolved elements such as lint and soil. Solvent retained in the filter cartridge generally amounts to less than 50 percent of the total cartridge weight.

2. Muck: At some dry cleaning facilities, a mixture of powdered materials is used as the filter medium for the dry cleaning solvent, in lieu of the cartridge filter. This filter medium normally consists of diatomaceous earth and carbon. In addition to lint, soil, oil, and grease retained by this medium, between 40 and 50 percent by weight of the "muck" is absorbed solvent.

3. Still Residue: After filtration, the dry cleaning solvent is distilled by the dry cleaning machine to remove the dissolved materials from the used solvent. The dissolved materials (still residues) are in liquid form and consist of primarily detergent, oil and grease, vinyl acetate (a sizing compound), and 20 to 30 percent of solvent.

PAINT WASTES

Paint wastes consist of various lacquer thinners (D001, F003, and F005) and paints (D006, D007, and D0098). The waste is collected in black 5-gallon pails and 16-gallon drums at the customer's place of ;business and the containers are then palletized and stored in the drum storage area of the warehouse. It is anticipated that this facility will ship 19,500 gallons of paint waste to a reclaimer annually. Analytical results for paint wastes are in Exhibit 2-5.

DESIGN CAPACITY

All wastes managed at this facility are stored either in a tank or in containers, as follows:

Waste	Storage Unit
Spent Mineral Spirits	A 20,000-gallon tank
Dumpster Sediment	
Spent Immersion Cleaner	6,912 gallons in containers
Dry Cleaner Wastes	
Paint Wastes	

I.D.4 WASTE ANALYSIS PLAN

GENERAL

The used solvents are the primary feed stock for regeneration of Safety-Kleen's clean solvent products. Quality control of the used solvents is critical to the Recycle Center to safely recycle the material and to assure quality products. The closed loop system of managing the clean and used solvents is therefore designed to minimize the possibility of product contamination from outside sources. Within the closed loop, ownership of the material remains with Safety-Kleen and the product is leased to the customer.

Prior to leasing a parts cleaning machine, the customer's business activity is reviewed. Where the possibility exists for contamination of the mineral spirits, i.e., pesticide, herbicide, pharmaceutical, printing operations, the process is reviewed to ensure that contamination of the product does not occur.

Sales representatives are instructed to visually examine the spent product when the machines are serviced, noting the consistency and volume of material recovered. If problems are noted, the machine is removed from the customer.

The dry cleaning wastes are collected from dry cleaning facilities where only a single chemical is handled at the facility and chances of cross contamination by other chemicals or wastes are minimal. In addition, each shipment from the dry cleaning facility will be manifested with signature of the owner (generator) for the type of materials contained in the drums.

All the materials collected at the Service Center and subsequently shipped to the Safety-Kleen recycle facility are either managed at all times in the closed loop system or will be collected from a single purpose process. General nature and quality of these materials are known and Safety-Kleen's operating experiences have shown that

the collected materials do not usually deviate from expectation and impact the recycling process. As an additional safeguard, Safety-Kleen's personnel are instructed to inspect all materials before returning them to the service centers.

For these reasons, all waste analyses are performed at the recycle facility, as described in the following section, and only visual and physical inspection is conducted in conjunction with service center operations.

In accordance with 40 CFR 264.13(a), Safety-Kleen will also perform physical and chemical analysis of a waste stream when it is notified or has reason to believe that the process or operation generating the waste has changed, or when the result of inspection indicates that the waste to be collected does not match the waste designated. It is Safety-Kleen's practice that suspected nonconforming material must not be accepted until an analysis has been done or the material must be rejected.

WASTE ANALYSES AT THE RECYCLE FACILITY

Analyses performed at the recycle facilities are undertaken to safeguard the recycling process and to assure the product quality. The following tables summarize a typical waste analysis plan at the recycle facility related to the hazardous materials returned from the service center:

Table I.D.4-1 Parameters and Rationale for Hazardous Waste Identification
Table I.D.4-2 Parameters and Test Methods
Table I.D.4-3 Methods Used to Sample Hazardous Wastes
Table I.D.4-4 Frequency of Analysis

In addition to the aforementioned analyses, TCLP analyses for all compounds, except pesticides, will be conducted every five years on all characteristic hazardous waste streams (example; used mineral spirits, 699 IC). Any compounds which are positively

TABLE I.D.4-1

PARAMETERS AND RATIONALE FOR HAZARDOUS WASTE IDENTIFICATION

Hazardous Waste	Parameter[a]	Rationale
1. Used Immersion Cleaner (609IC)	Methylene Chloride Orthodichlorobenzene Cresylic Acid	Formula contains these ingredients: F002 & Cresylic Acid F004
2. Used Immersion Cleaner (699IC)	TCLP	May contain these compounds
3. Used Mineral Spirits	Flash Point TCLP	Ignitable characteristics D001; may contain these compounds
4. Mineral Spirits Tank Bottom Sludge and Free Water	TCLP Flash Point	The sludge and free water may contain these compounds and the sludge has a flash point of 105° F (D001)
5. Mineral Spirits Dumpster Mud	TCLP Flash Point	The sludge and free water may contain these compounds and the sludge has a flash point of 105° F (D001)
6. Dry Cleaning Wastes	Perchloroethylene Trichlorotrifluoroethane Mineral Spirits	Contain ingredient of F002 or contains a hazardous constituent. Ignitable characteristics D001
7. Paint Wastes	TCLP	May contain ingredients of F003 or F005.

[a] TCLP Waste Codes: D004-D011, D018, D019, D021-D030, D032-D043.

TABLE I.D.4-2

PARAMETERS AND TEST METHODS

Parameter	Test Method	Reference
pH	pH Meter	ASTM Standard D1293-65
Flash Point	Tag closed cup tester	ASTM Standard D56-79
TCLP	Toxicity Characteristic Leaching Procedure	40 CFR 261, Appendix II
Hydrocarbons and Volatile Organics	Gas Chromatography (GC)	Modified Methods Based on "Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods," SW-846, USEPA and ASTM Standards

TABLE I.D.4-3

METHODS USED TO SAMPLE HAZARDOUS WASTES

Hazardous Waste	Reference for Sampling	Sampler	Description of Sampling Method
1. Used Immersion Cleaner - 609IC	Sampling a drum "Samplers and Sampling Procedures for Hazardous Waste Streams," EPA/600/2-80/018	Test Methods for the Evaluation of Solid Waste Physical/ Chemical Methods, SW-846, USEPA	Representative composite sample using drum sampler
2. Used Immersion Cleaner - 699IC	Same as 1	Same as 1	Same as 1
3. Used Mineral Spirits	Sampling a tank "Samplers and Sampling Procedures for Hazardous Waste Streams," EPA/600/2-80/018	Same as 1	For tanks--Bomb sampler (similar to weighted bottle sampler)
4. Mineral Spirits, Tank Bottom Sludge, and Free Water	Same as 3	Same as 3	Same as 3
5. Mineral Spirits Dumpster Mud	Same as 1	Same as 1	Same as 1
6. Dry Cleaning Wastes	Same as 1	Same as 1	Same as 1
7. Paint Wastes	Same as 1	Same as 1	Same as 1

TABLE I.D.4-4

FREQUENCY OF ANALYSIS

Hazardous Waste	Frequency[a]
1. Used Immersion Cleaner 609	Gas chromatograph annually TCLP every five years
2. Used Immersion Cleaner 699	Gas chromatograph annually TCLP every five years
3. Used Mineral Spirits	Gas chromatograph annually Flash point annually
4. Mineral Spirits, Tank Bottom Sludge, and Free Water	Gas chromatograph annually TCLP every five years
5. Mineral Spirits Dumpster Mud	Gas chromatograph annually TCLP every five years
6. Dry Cleaning Wastes	Gas chromatograph annually TCLP every five years
7. Paint Wastes	Gas chromatograph annually TCLP every five years

[a] In accordance with 40 CFR 264.13(a), Safety-Kleen will also perform physical and chemical analysis of a waste stream when it is notified or has reason to believe that the process or operation generating the waste has changed, or when the result of inspection indicates that the waste to be collected does not match the waste designated.

detected in the waste stream will be added to the parameter list for that waste stream on Table I.D.4-1.

HAZARDOUS WASTE
CONSTRUCTION AND OPERATING PERMIT
APPLICATION
HAZARDOUS WASTE STORAGE FACILITY
SAFETY-KLEEN CORP. SERVICE CENTER
MEDLEY, FLORIDA

JANUARY 17, 1990

Revision 1 April 25, 1990 by Safety-Kleen Corp.
• Revision 2 November 8, 1990 by ERM-South for Safety-Kleen Corp.

TABLE OF CONTENTS

LIST OF EXHIBITS

(Exhibits are presented at the end of each Section)

Exhibit No.	
I.A.20-1	Florida Application for a Hazardous Waste Facility Permit
I.A.20-2	US EPA Part A Permit Application
I.B.3-1	Regional topographic Map (USGS)
I.B.3-2	Well Information
I.B.3-3	Sewer Information
I.B.3-3a	Traffic Pattern Map
I.B.3-4	Wind Rose
I.B.3-5	Site Plan
I.B.3-6	Floor Plan
I.B.4-1	Topographic Map (1" = 200' scale)
I.B.5-1	Flood Plain Map
I.B.6-1	Surface water Management Plan
I.C.1-1	Zoning Map
I.D.2-1	Analyses of Spent Mineral Spirits (2 pages)
I.D.2-2	Analyses of Mineral Spirits Dumpster Sediment
I.D.2-3	Analyses of Spent Immersion Cleaner
I.D.2-4	Analyses of Dry Cleaner Wastes (6 pages)
I.D.2-5	Analyses of Paint Wastes (6 pages)
I.D.2-6	Mineral Spirits Product Specifications
I.D.2-7	Immersion Cleaner Product Specifications
I.D.2-8	Dry Cleaner Perchloroethylene Product Specifications
I.D.2-9	Lacquer Thinner Composition
I.D.4-1	Parameters and Rationale for Hazardous Waste Selection
I.D.4-2	Parameters and Test Methods
I.D.4-3	Methods Used to Sample Hazardous Wastes
I.D.4-4	Frequency of Analysis
I.E.2-1	Emergency Information Sheet
I.E.2-2	Spill Report Telephone Log
I.E.2-3	Employees' Functions During an Emergency
I.E.2-4	Material Safety Data Sheet for Mineral Spirits

LIST OF EXHIBITS - Continued

LIST OF EXHIBITS - Continued

II-1	Warehouse and Return/Fill Station Plan
II-2	Warehouse and Return/Fill Station Foundation Plan
II-3	Warehouse--Pallet Layout Plan
III-1	Dock Plan (Return/Fill Area)
III-2	Dumpster Final Assembly Details
III-3	Solvent Pump Piping Installation Details
III-4	Pipe Bridge Plan

RESPONSE 6

DER Form # 17-730.900(2)
Form Title Ap. for a Hazardous Waste Facility Permit
Effective Date June 1, 1990
DER Application No. _____ (Filled in by DER)

EXHIBIT I.A. 20-1

Application for a Hazardous Waste Facility Permit

Part I - General

To Be Completed By All Applicants

Please Type or Print

A. General Information

1. Type of Facility:

   Disposal ☐ Landfill ☐ Land Treatment ☐ Surface Impoundment ☐ Miscellaneous Units ☐

   Storage ☒ Containers ☒ Tanks ☒ Piles ☐ Surface Impoundment ☐ Miscellaneous Units ☐

   Treatment ☐ Tanks ☐ Piles ☐ Incineration ☐ Surface Impoundment ☐ Miscellaneous Units ☐

2. Type of Application: ☐ TOP ☒ Construction ☐ Operation ☐ Closure ☐ RD&D

3. Application Submittal: ☐ New ☐ Revised

4. Date current operation began (or is expected to begin): 01/05/91

5. Facility Name: Safety-Kleen Corp. (3-097-02)

6. EPA/DER I.D. No.: Applied For

7. Facility location or street address: East of NW 89th Ave. & 96th St., Medley, FL 33166

8. Facility mailing address: Safety-Kleen Corp., 777 Big Timber Rd., Elgin, IL 60123
   (Street or P.O. Box / City / State / Zip)

9. Contact person: Mr. Joe Hartline Telephone: (708) 697-8460

   Title: Environmental Regional Engineer

   Mailing address: 777 Big Timber Road Elgin, IL 60123
   (Street or P.O. Box / City / State / Zip)

10. Operator's name: Safety-Kleen Corp. Telephone: (708) 697-8460

11. Operator's address: 777 Big Timber Rd. Elgin, IL 60123
    (Street or P.O. Box / City / State / Zip)

12. Facility owner's name: Safety-Kleen Corp.

13. Facility owner's address: 777 Big Timber Rd. Elgin, IL 60123
    (Street or P.O. Box / City / State / Zip)

14. Legal structure: ☒ Corporation ☐ Non-Profit Corporation ☐ Partnership ☐ Individual
    ☐ Local Government ☐ State Government ☐ Federal Government ☐ Other _____

15. If an individual, partnership, or business is performed under an assumed name, specify county and state where name is registered.

    County: _____ State: N/A

16. If a corporation, indicate state of incorporation Wisconsin.

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17. If an individual or partnership, list owners:

Name: _____

Address: _____ (Street or P.O. Box) (City) (State) (Zip)

Name: _____

Address: _____ (Street or P.O. Box) (City) (State) (Zip)

Name: _____

Address: _____ (Street or P.O. Box) (City) (State) (Zip)

Name: _____

Address: _____ (Street or P.O. Box) (City) (State) (Zip)

18. Site ownership status: [X] Owned [ ] To be purchased [ ] To be leased _____ years

[ ] Presently leased: Expiration date _____ If leased, give:

Land owner's name Safety-Kleen Corp.

Land owner's address 777 Big Timber Road (Street or P.O. Box) Elgin (City) IL (State) 60123 (Zip)

19. Engineer: Frederick W. Blickle Registration No.: 39409

Address: 9501 Princess Palm Ave. #100 (Street or P.O. Box) Tampa (City) FL (State) 33619 (Zip)

Associated with: ERM-South, Inc.

20. Facility located on Indian land: [ ] Yes [X] No

21. Existing or pending environmental permits: (Attach a separate sheet if necessary)

Name of Permit	Agency	Permit Number	Date Issued	Expiration Date

B. Site Information

1. Facility location: County: Dade Nearest community: Medley

Latitude: N 25° 51' 90" Longitude: W 80° 20' 23"

2. Area of facility site (acres): 4.50

3. Attach a scale drawing and photographs of the facility showing the location of all past, present, and future treatment, storage and disposal areas. Also show the hazardous wastes traffic pattern including estimated volume and control.

4. Attach topographic map which shows all the features indicated in the instruction sheet for this part.

5. Is the site located in a 100-year flood plain? [ ] Yes [X] No

C. Land Use Information

1. Present zoning of the site? M-1 Light manufacturing/Industry
2. If a zoning change is needed, what should new zoning be? N/A
3. Present land use of site Undeveloped - To be industrial

D. Operating Information

1. Is waste generated on site? [X] Yes [ ] No List the SIC codes (4-digit)

7399 5172 5084 5013

2. Attach a brief description of the facility operation, nature of the business, and activities that generate, treat, store or dispose of hazardous waste.

3. Using the following table and codes provided, specify, (1) each process used for treating, storing, or disposing of hazardous waste (including design capacities) at the facility, and (2) the hazardous waste (or wastes) listed or designated in 40 CFR Part 261, including the annual quantities, to be treated, stored, or disposed by each process at the facility. (See instructions for list of process codes and units).

Process Code	Process Design Capacity and Units of Measure	Hazardous Waste Code	Annual Quantity of Hazardous Waste and Units of Measure	
S02	Storage Tank	D001 D018 D039	803	T
S01	Container Storage Area	D001 D006,D008 D007,D039	10	T
		F002,D006 D008,D007 F004,D007 D022	28	T
		F002	271	T
		D001,D006,D007,F003 F005,D008	69	T
		D006,D007,D008,D018 D021,D027,D039,D040	28	T

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Application for a Hazardous Waste Facility Permit
Certification

To be completed by all applicants

1. **Operator**

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 gathered and evaluated 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 possiblity of fine and imprisonment for knowing violations. Further, I agree to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department of Environmental Regulation. It is understood that the permit is only transferable in accordance with Section 17-730, FAC, and, if granted a permit, the Department of Environmental Regtulation will be notified prior to the sale or legal transfer of the permitted facility.

Signature of the Operator or Authorized Representative*
*Attach a letter of authorization

Name and Title (Please Type or Print)
Date: _____ Telephone No. (____) _____

2. **Facility Owner**

This is to certify that I understand this application is submitted for the purpose of obtaining a permit to construct, operate, or close a hazardous waste management facility on the property as described. As owner of the facility, I understand fully that the facility operator and I are jointly responsible for compliance with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department of Environmental Regulation.

Signature of the Facility Owner or Authorized Representative*
*Attach a letter of authorization

Name and Title (Please Type or Print)
Date: _____ Telephone No. (____) _____

3. **Land Owner**

This is to certify that I, as land owner, understand that this application is submitted for the purpose of obtaining a permit to construct, operate, or close a hazardous waste management facility on the property as described. For hazardous waste disposal facilities, I further understand that I am responsible for providing the notice in the deed to the property required by 40 CFR §264.119 and §265.119, as adopted by reference in Chapter 17-730, FAC.

Signature of the Facility Owner or Authorized Representative*
*Attach a letter of authorization

Name and Title (Please Type or Print)
Date: _____ Telephone No. (____) _____

4. **Professional Engineer Registered in Florida** (Where Required by Chapter 471, F.S. or not exempted by Rule 17-730.220(5), F.A.C.)

This is to certify that the engineering features of this hazardous waste management facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly constructed, maintained and operated, or closed, will comply with all applicable statutes of the State of Florida and rules of the Department of Environmental Regulation.

Frederick W. Blickle, PE
Signature

Florida Registration No.: 39409

(Please Affix Seal)

Frederick W. Blickle
Name (Please Type)

Mailing address: 9501 Princess Palm Ave. #100
Street or P.O. Box

Tampa FL 33619
City State Zip

Date: 11/9/90 Telephone No. (813) 622-8727

Safety-Kleen Corp. Medley Construction