1565631 (1)

SOUTHEAST COUNTY LANDFILL
OPERATING SEQUENCE
PERMIT RENEWAL-APPENDIX E
AUGUST, 1994

COUNTY OF HILLSBOROUGH, FLORIDA
DEPARTMENT OF SOLID WASTE
TAMPA, FLORIDA

BOARD OF COUNTY COMMISSIONERS

JOE CHILLURA, Chairman
JIM NORMAN, Vice-Chairman
ED TURANCHIK, Commissioner
PHYLLIS BUSANSKY, Commissioner
JAN PLATT, Commissioner
SANDRA HELEN WILSON, Commissioner
LYDIA MILLER, Commissioner

LOCATION MAP

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3012 U.S. HWY. 301 N. SUITE 700
TAMPA, FLORIDA 33619
(813) 621-0080

DEP
AUG 22 1994

Robert D. Brown
8/22/94

GENERAL NOTES

1. THE EXISTING TOPOGRAPHY, DATED 8/4/93, WAS OBTAINED FROM DRAWINGS PROVIDED BY AIR SURVEY CORP.
2. THE PROPOSED OPERATING SEQUENCES (LIFTS 4 – 23) ARE BASED ON THE EXISTING TOPOGRAPHY SHOWN ON THE (8/4/93) AERIAL SURVEY. ACTUAL OPERATING SEQUENCES MAY NEED TO BE MODIFIED IN THE FIELD TO ALLOW FOR LANDFILL SETTLEMENT. REVISED GRADES WILL BE DETERMINED BASED ON THE MAXIMUM DESIGNED 20–FOOT LIFT HEIGHT.
3. SUFFICIENT TIME MUST BE PROVIDED TO ALLOW CONSOLIDATION TO OCCUR BEFORE ADDITIONAL LOADING CAN BE PLACED.
   95 PERCENT CONSOLIDATION FOR A 20–FOOT LIFT OF REFUSE IS APPROXIMATELY 7 YEARS. THEREFORE, DEPENDING ON THE ACTUAL DISPOSAL RATES, THE POSSIBILITY EXISTS THAT THE HCDSW MAY HAVE TO DIVERT WASTE PLACEMENT TO ANOTHER FACILITY IF NOT ENOUGH CONSOLIDATION TIME IS ALLOWED FOR ANY 20–FOOT LIFT. ALL FILL PLACEMENT SCHEDULES SHOWN ON THE DRAWINGS REPRESENT A CONTINUOUS FILLING SEQUENCE BASED ON EXISTING AND PROJECTED DISPOSAL RATES PREPARED BY THE HCDSW.
4. THE LANDFILL LINER AND EXISTING DRAINAGE STRUCTURES WERE SURVEYED BY WEIDENER SURVEY AND MAPPING PA ON 2/23/94.
5. DRAWINGS PRODUCED IN COLOR.

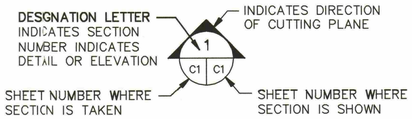
CIVIL LEGEND AND ABBREVIATIONS

9A	LIFT NUMBER
	DAILY PROGRESSION
	FILL PROGRESSION
	DRAINAGE FLOW DIRECTION
	APPROXIMATE PHASE FOOTPRINT
	APPROXIMATE LANDFILL LIMITS
	APPROXIMATE LIFT LIMITS
	APPROXIMATE LIMITS OF BORROW AREA
	APPROXIMATE FINAL COVER AREA AFTER EACH LIFT
	APPROXIMATE GEOMEMBRANE FINAL COVER AREA
	EXISTING SWALE
	SIDESLOPE DITCH
140	PROJECTED EXISTING CONTOUR
140	PROPOSED CONTOUR
	PROPOSED DOWNCHUTE
BVC	BEGIN VERTICAL CURVE
CTRD	CENTERED
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
EVC	END VERTICAL CURVE
150	EXIST. CONTOURS
EXP. JT.	EXPANSION JOINT
I.E.	INVERT ELEVATION
LF	LINEAR FEET
LT	LEFT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
RT	RIGHT
TYP.	TYPICAL
	VEGETATION
VC	VERTICAL CURVE
ø	DIAMETER
'	FOOT
"	INCH
Ⓐ	CELL DESIGNATION
S–21	EXISTING DRAINAGE STRUCTURE
TS–4	TEMPORARY DRAINAGE STRUCTURE
	PROPERTY LINE
	STORMWATER STRUCTURE
HCDSW	HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE
MIN.	MINIMUM
HDPE	HIGH DENSITY POLYETHYLENE

INDEX OF DRAWINGS

SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	INDEX, LEGENDS AND GENERAL NOTES
3	FINAL DRAINAGE PLAN
4	PHASE IV – LIFT 4 (CURRENT LIFT)
5	PHASES I AND II – LIFTS 5 AND 6
6	PHASES V AND VI – LIFTS 7A AND 7B
7	PHASES V AND VI – LIFTS 7C, 7D AND 7E
8	PHASES I TO IV – LIFTS 8 TO 11
9	PHASES V AND VI – LIFT 12
10	PHASES I TO IV – LIFTS 13 TO 16
11	PHASES V AND VI – LIFT 17
12	PHASES I TO IV – LIFTS 18 TO 21
13	PHASES V AND VI – LIFT 22
14	PHASES V AND VI LIFT 23 (FINAL LIFT)
15	SEMI–ANNUAL LANDFILL SECTIONS 1
16	SEMI–ANNUAL LANDFILL SECTIONS 2
17	LANDFILL SECTIONS
18	DETAILS 1
19	DETAILS 2
20	DETAILS 3
21	DETAILS 4

GENERAL LEGEND



SECTION AND DETAIL DESIGNATION

D.E.P.
AUG 22 1994
SOUTH... TAMPA

REV. | DATE | DESCRIPTION | CK. BY

DRAWING TITLE: INDEX, LEGENDS AND GENERAL NOTES

PROJECT TITLE: SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E

CLIENT: HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS
3012 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 623-6757

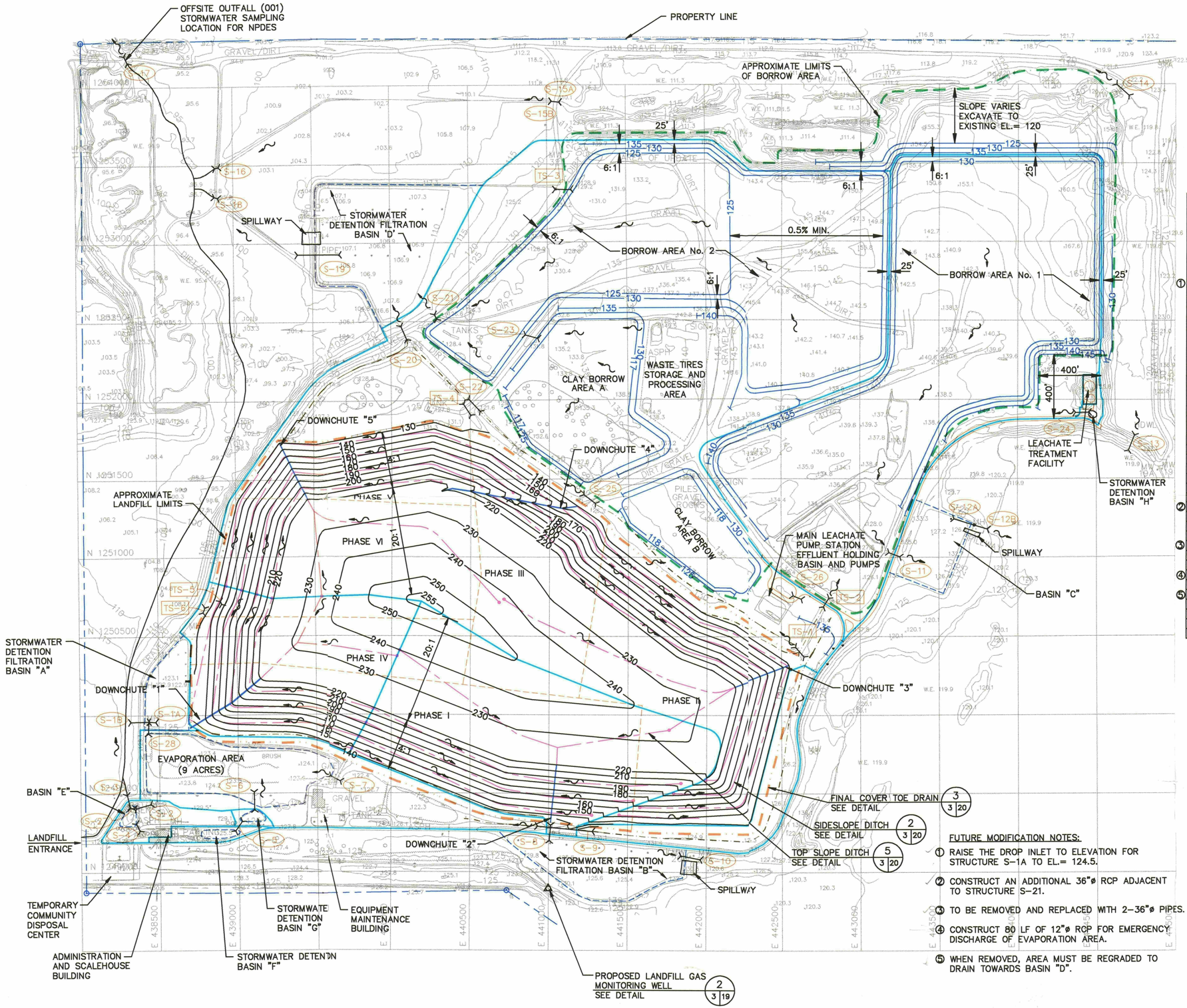
PROJ. NO. 09018.34 | DWN. BY: WD/GRD | CHK. BY: LER | QA/QC BY: | APP. BY: RBG
TSK. BY: LER/RDU

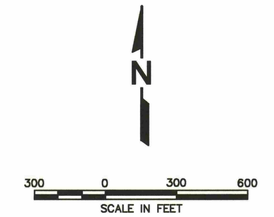
CADD FILE: LEGEND

DATE: AUGUST 22, 1994

SCALE: NOT TO SCALE

DRAWING NO. 2 of 21





DRAINAGE STRUCTURE DATA

	STRUCTURE NO.	TYPE OF STRUCTURE	UPPER END	LOWER END	DIAMETER (IN.)
①	S-1A	RCP	116.20(E)	115.67(W)	18
	S-1B	RCP	115.38(E)	114.89(W)	48
	S-2	ERCP	124.95(E)	124.75(W)	14X22
	S-3	RCP	122.90(S)	122.07(N)	36
	S-4	ERCP	125.10(S)	124.71(N)	14X22
	S-5	ERCP	125.54(S)	124.61(N)	14X22
	S-6	ERCP	124.63(S)	124.08(N)	14X22
	S-7	CMP	122.72(E)	122.21(W)	24
	S-8	ERCP	126.56(S)	126.49(N)	34X54
	S-9	CMP	123.85(W)	123.50(E)	24
	S-10	RCP	125.91(W)	121.41(E)	48
	S-11	CMP	129.34(W)	128.51(E)	24
	S-12A	RCP	121.70(E)	121.31(W)	30
	S-12B	RCP	121.39(E)	121.22(W)	48
	S-13	RCP	121.77(S),121.68(S)	120.89(N),120.98(N)	2-24
	S-14	RCP	120.42(W),120.45(W)	119.46(E),119.40(E)	2-24
	S-15A	RCP	107.04(W)	106.77(E)	18
	S-15B	RCP	107.22(W)	107.12(E)	15
	S-16	CMP	95.40(E)	94.88(W)	30
	S-17	RCP	90.85(N),91.01(N)	90.61(S),90.66(S)	2-48
	S-18	CMP	95.00(W)	94.49(E)	30
	S-19	RCP	103.50(W)	101.08(E)	18
	S-20	RCP	115.25(N),115.25(N)	114.76(S),114.77(S)	2-48
②	S-21	RCP	123.15(N)	122.91(S)	36
	S-22	RCP	121.29(S)	120.61(N)	36
	S-23	CMP	130.71(E)	129.50(W)	30
	S-24	ERCP	146.5(E)	145.00(W)	12X18
③	S-25	CMP	125.40(W)	124.89(E)	24
	S-26	ERCP	135.00(W)	134.75(E)	12X18
	S-27	RCP	122.94(E)	122.89(W)	18
④	S-28	RCP	121.00(N)	125.00(S)	12
	TS-1	STEEL	130.17(E)	129.96(W)	18
⑤	TS-2	ERCP	131.27(S)	131.19(N)	48X76
	TS-3	RCP	128.91(E)	127.89(W)	18
	TS-4	RCP	123.47(S)	122.39(N)	36
	TS-5	CMP	123.61(S)	123.15(N)	30
	TS-6	RCP	127.49(S)	127.38(N)	15

LEGEND

- DRAINAGE FLOW DIRECTION
- APPROX. PHASE FOOTPRINT
- APPROX. LANDFILL LIMITS
- DRAINAGE AREAS BOUNDARY LINE
- LIMITS OF BORROW AREA
- SIDESLOPE DITCH
- 140 PROPOSED CONTOUR
- 140 PROPOSED CONTOUR
- PROPOSED DOWNCHUTE
- EXISTING SWALE
- (S-22) EXISTING DRAINAGE STRUCTURE
- (TS-4) TEMPORARY DRAINAGE STRUCTURE TO BE REMOVED AS SEQUENCE PROGRESSES
- STORMWATER STRUCTURE

FUTURE MODIFICATION NOTES:

① RAISE THE DROP INLET TO ELEVATION FOR STRUCTURE S-1A TO EL.= 124.5.

② CONSTRUCT AN ADDITIONAL 36"ø RCP ADJACENT TO STRUCTURE S-21.

③ TO BE REMOVED AND REPLACED WITH 2-36"ø PIPES.

④ CONSTRUCT 80 LF OF 12"ø RCP FOR EMERGENCY DISCHARGE OF EVAPORATION AREA.

⑤ WHEN REMOVED, AREA MUST BE REGRADED TO DRAIN TOWARDS BASIN "D".

D.E.P.
AUG 22 1994
SOUTH DISTRICT

CK. BY	DESCRIPTION	REV.	DATE
		1	
		2	
		3	
		4	
		5	

DRAWING TITLE: FINAL DRAINAGE PLAN

PROJECT TITLE: SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E

CLIENT: HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
SUITE 114, 3403 TAMPA RD. OLDSMAR, FL. 34677
PH (813) 854-4080 FAX NO. (813) 855-4707

PROJ. NO.	0790018.34
DSN. BY:	LER
DWN. BY:	TD/BJ
CHK. BY:	SMH
Q/A PER BY:	
APP. BY:	RBG

CADD FILE: DRAIPLAN

DATE: AUGUST 22, 1994

SCALE: 1"=300'

DRAWING NO. 3 of 21

BASIN 'D'

WASTE TIRES STORAGE AND PROCESSING AREA

BASIN 'C'

PROPERTY LINE

CELL DESIGNATION SEE TYPICAL WORKING FACE CELL DETAIL

EXIST. SLOPE

10H: 1V

30H: 1V

4H: 1V

BASIN 'A'

TEMPORARY CULVERT TO BE REMOVED BEFORE PLACEMENT OF LIFT 5

BASIN 'E'

LANDFILL ENTRANCE

BASIN "B"

TEMPORARY COMMUNITY DISPOSAL CENTER

ADMINISTRATION AND SCALEHOUSE BUILDING

BASIN "F"

BASIN "G"

EQUIPMENT MAINTENANCE BUILDING

PAVED ROAD

N

200 0 200 400
SCALE IN FEET

LEGEND

- LIFT NUMBER
- CELL DESIGNATION
- DAILY PROGRESSION
- FILL PROGRESSION
- DRAINAGE FLOW DIRECTION
- APPROXIMATE PHASE FOOTPRINT
- APPROXIMATE LANDFILL LIMITS
- APPROXIMATE LIFT LIMITS
- EXISTING SWALE
- SIDESLOPE DITCH
- PROJECTED EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DOWNCHUTE

D.E.P.
AUG 2 2 1994
SOUTHWEST DISTRICT
TAMPA

PROGRESSION:
BEGIN LIFT 4 FILL IN CELL "A" AND CONTINUE WEST ACROSS PHASE IV.

FILL PLACEMENT FOR PHASE IV – LIFT 4				
PHASE	AVAILABLE AIR SPACE	TOTAL FILLING DAYS	BEGIN DATE	END DATE
IV (ESTIMATED)	202,000 Cu. Yds.	232	JUNE 8, 1994	JAN. 25, 1995
IV (ACTUAL)				

REV.	DATE	DESCRIPTION	CK. BY:

DRAWING TITLE
PHASE IV - LIFT 4 (CURRENT LIFT)

PROJECT TITLE
SOUTHEAST COUNTY LANDFILL
OPERATING SEQUENCE
PERMIT RENEWAL-APPENDIX E

CLIENT
HILLSBOROUGH COUNTY
DEPARTMENT OF SOLID WASTE
TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
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PH (813) 621-0080 FAX NO. (813) 623-6757

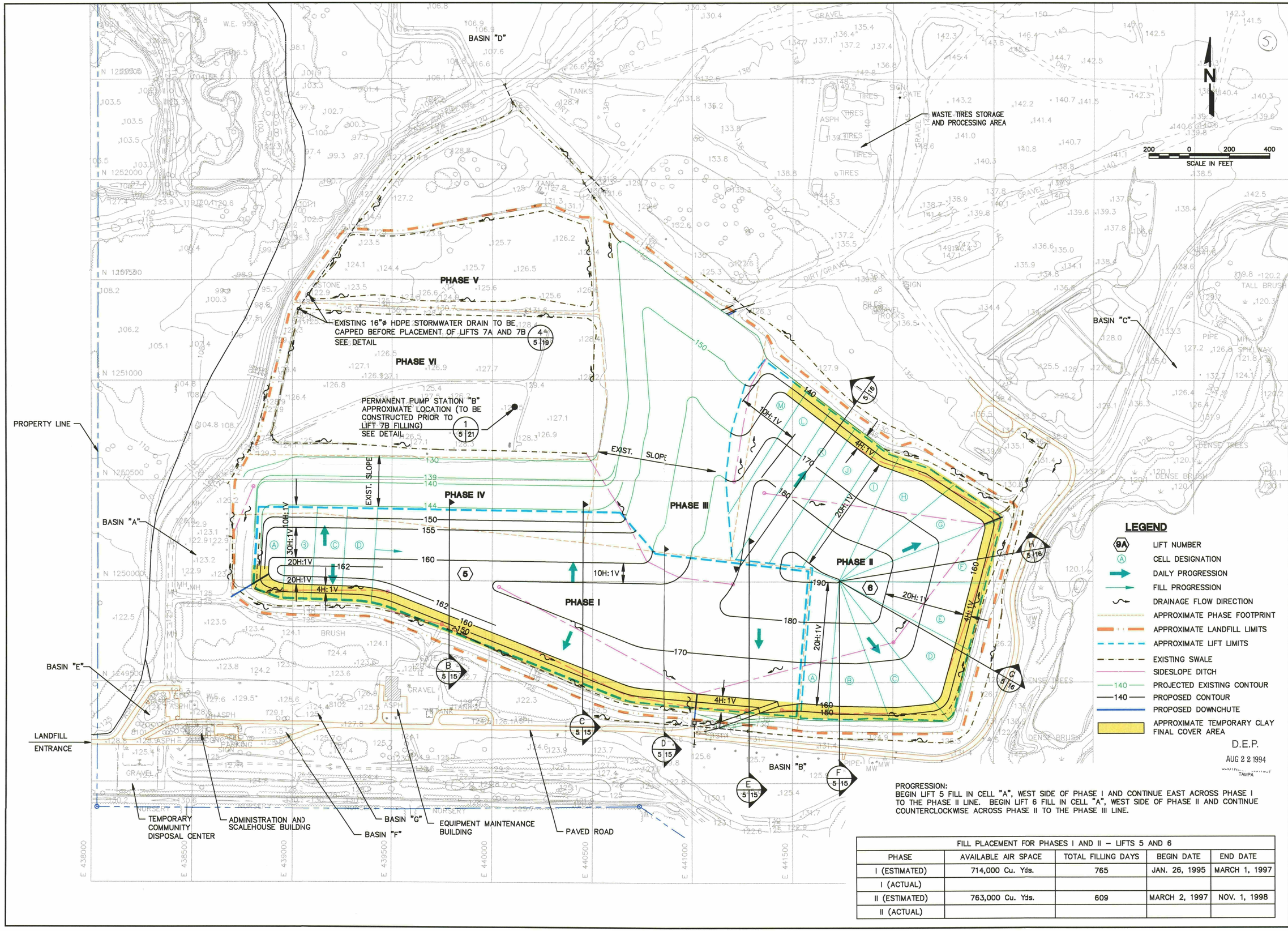
PROJ. NO. 01018.34
DSN. BY: LER
DWG. BY: (V)D.GRD
CHK. BY: LER
QA REVIEW: MH
APP. BY: RBG

CADD FILE: SEL4

DATE: AUGUST 22, 1994

SCALE: 1"=200'

DRAWING NO. 4 of 21



PROGRESSION:
BEGIN LIFT 5 FILL IN CELL "A", WEST SIDE OF PHASE I AND CONTINUE EAST ACROSS PHASE I TO THE PHASE II LINE. BEGIN LIFT 6 FILL IN CELL "A", WEST SIDE OF PHASE II AND CONTINUE COUNTERCLOCKWISE ACROSS PHASE II TO THE PHASE III LINE.

FILL PLACEMENT FOR PHASES I AND II – LIFTS 5 AND 6				
PHASE	AVAILABLE AIR SPACE	TOTAL FILLING DAYS	BEGIN DATE	END DATE
I (ESTIMATED)	714,000 Cu. Yds.	765	JAN. 26, 1995	MARCH 1, 1997
I (ACTUAL)				
II (ESTIMATED)	763,000 Cu. Yds.	609	MARCH 2, 1997	NOV. 1, 1998
II (ACTUAL)				

REV.	DATE	DESCRIPTION	CK. BY
△			

DRAWING TITLE: PHASES I AND II LIFTS 5 AND 6

PROJECT TITLE: SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E

CLIENT: HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS
900 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 626-2787

DWN. BY: (V) GRD | CHK. BY: LER | Q/A REV. BY: SCHM | APP. BY: RBG
PROJ. NO. 01016.34 | DSN. BY: LER

CADD FILE: SEL56

DATE: AUGUST 22, 1994

SCALE: 1"=200'

DRAWING NO. 5 of 21

PHASE V
7A
PHASE VI
7B
PHASE IV
PHASE III
PHASE II
PHASE I
BASIN "D"
BASIN "C"
BASIN "A"
BASIN "E"
BASIN "B"
BASIN "F"
BASIN "G"
WASTE TIRES STORAGE AND PROCESSING AREA
PROPERTY LINE
LANDFILL ENTRANCE
TEMPORARY COMMUNITY DISPOSAL CENTER
ADMINISTRATION AND SCALEHOUSE BUILDNG
EQUIPMENT MAINTENANCE BUILDING
PAVED ROAD
EXIST. SLOPE
EXISTING SLOPE
EXISTING SLOPE
10H:1V
J 6 16
N 1252000
N 1251000
N 1250500
N 1250000
N 1249500
E 438000
E 438500
E 439000
E 439500
E 440000
E 440500
E 441000
E 441500
200 0 200 400
SCALE IN FEET

LEGEND

- 9A — LIFT NUMBER
- A — CELL DESIGNATION
- DAILY PROGRESSION
- FILL PROGRESSION
- DRAINAGE FLOW DIRECTION
- APPROXIMATE PHASE FOOTPRINT
- APPROXIMATE LANDFILL LIMITS
- APPROXIMATE LIFT LIMITS
- EXISTING SWALE
- SIDESLOPE DITCH
- 140 — PROJECTED EXISTING CONTOUR
- 140 — PROPOSED CONTOUR
- PROPOSED DOWNCHUTE

PROGRESSION:
BEGIN LIFT 7A FILL IN CELL "A", EAST SIDE OF PHASE V AND CONTINUE WEST ACROSS PHASE V. BEGIN LIFT 7B IN CELL "A", WEST SIDE OF PHASE VI AND CONTINUE EAST ACROSS PHASE VI TO THE PHASE III LINE.

NOTE:
LIFT 7 SCHEDULE SHOWN ON DRAWING NO. 7.

D.E.P.
AUG 2 2 1994
DISTRICT

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: PHASES V AND VI LIFTS 7A AND 7B

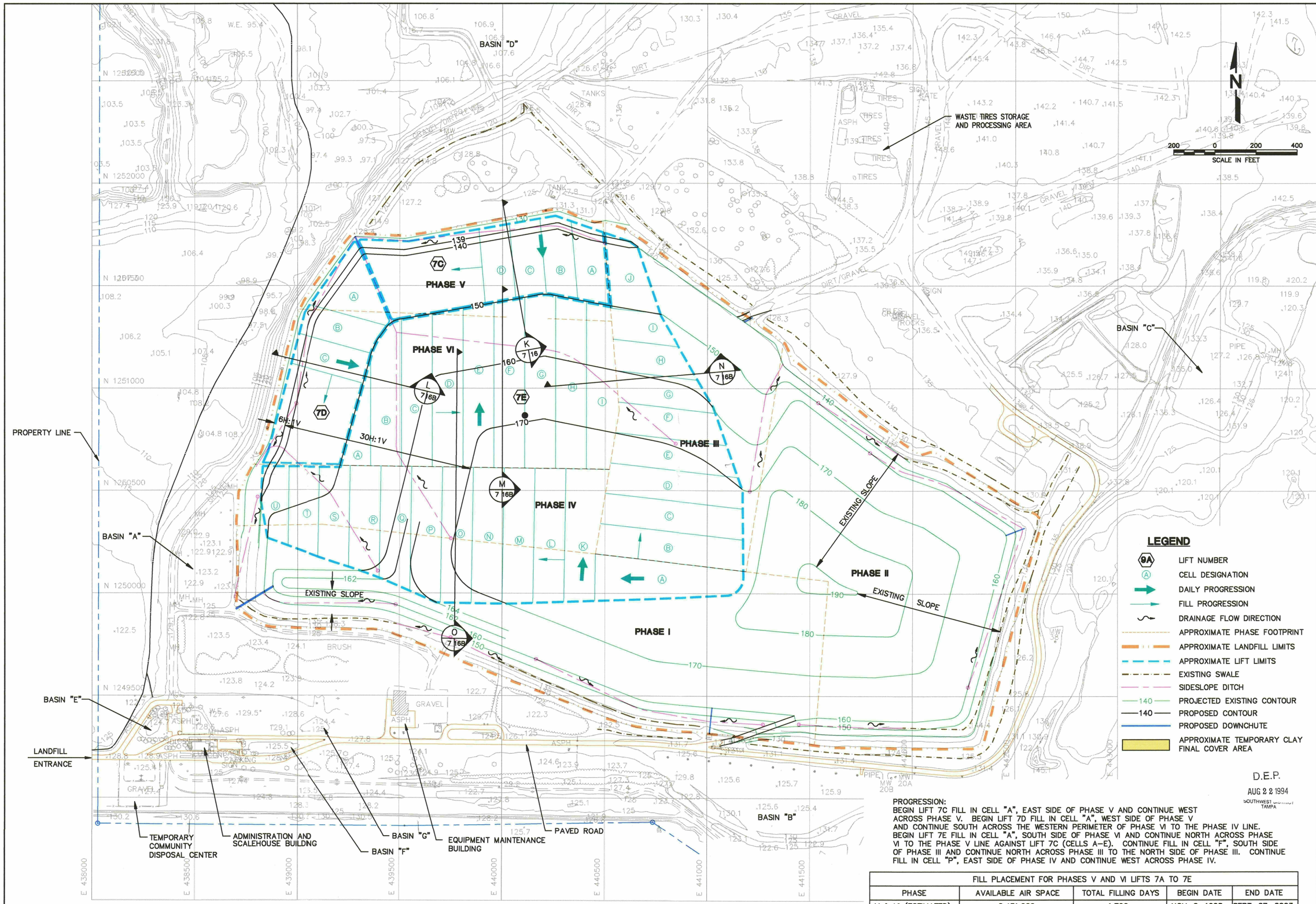
PROJECT TITLE: SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E

CLIENT: HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3012 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 623-6707

PROJ. NO. 0690016.34
DSN. BY: LER
DWG. BY: VD/GRD/BJ
CHK. BY: LER
D/A PVR. BY: SMH
APP. BY: RBG

CADD FILE: SEL7AB
DATE: AUGUST 22, 1994
SCALE: 1"=200'
DRAWING NO. 6 of 21



PROGRESSION:
BEGIN LIFT 7C FILL IN CELL "A", EAST SIDE OF PHASE V AND CONTINUE WEST ACROSS PHASE V. BEGIN LIFT 7D FILL IN CELL "A", WEST SIDE OF PHASE V AND CONTINUE SOUTH ACROSS THE WESTERN PERIMETER OF PHASE VI TO THE PHASE IV LINE. BEGIN LIFT 7E FILL IN CELL "A", SOUTH SIDE OF PHASE VI AND CONTINUE NORTH ACROSS PHASE VI TO THE PHASE V LINE AGAINST LIFT 7C (CELLS A–E). CONTINUE FILL IN CELL "F", SOUTH SIDE OF PHASE III AND CONTINUE NORTH ACROSS PHASE III TO THE NORTH SIDE OF PHASE III. CONTINUE FILL IN CELL "P", EAST SIDE OF PHASE IV AND CONTINUE WEST ACROSS PHASE IV.

FILL PLACEMENT FOR PHASES V AND VI LIFTS 7A TO 7E				
PHASE	AVAILABLE AIR SPACE	TOTAL FILLING DAYS	BEGIN DATE	END DATE
V & VI (ESTIMATED)	2,431,000	1,790	NOV. 2, 1998	SEPT. 27, 2003
V & VI (ACTUAL)				

REV.	DATE	DESCRIPTION	CK. BY
1	11/14/94	ADDED SECTION L AND O	LER

DRAWING TITLE: PHASES V AND VI - LIFTS 7C, 7D, AND 7E

PROJECT TITLE: SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E

CLIENT: HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS
3030 U.S. HWY. 19 SOUTH, SUITE 700, TAMPA, FL 33609
PH (813) 621-0080 FAX NO. (813) 628-0107

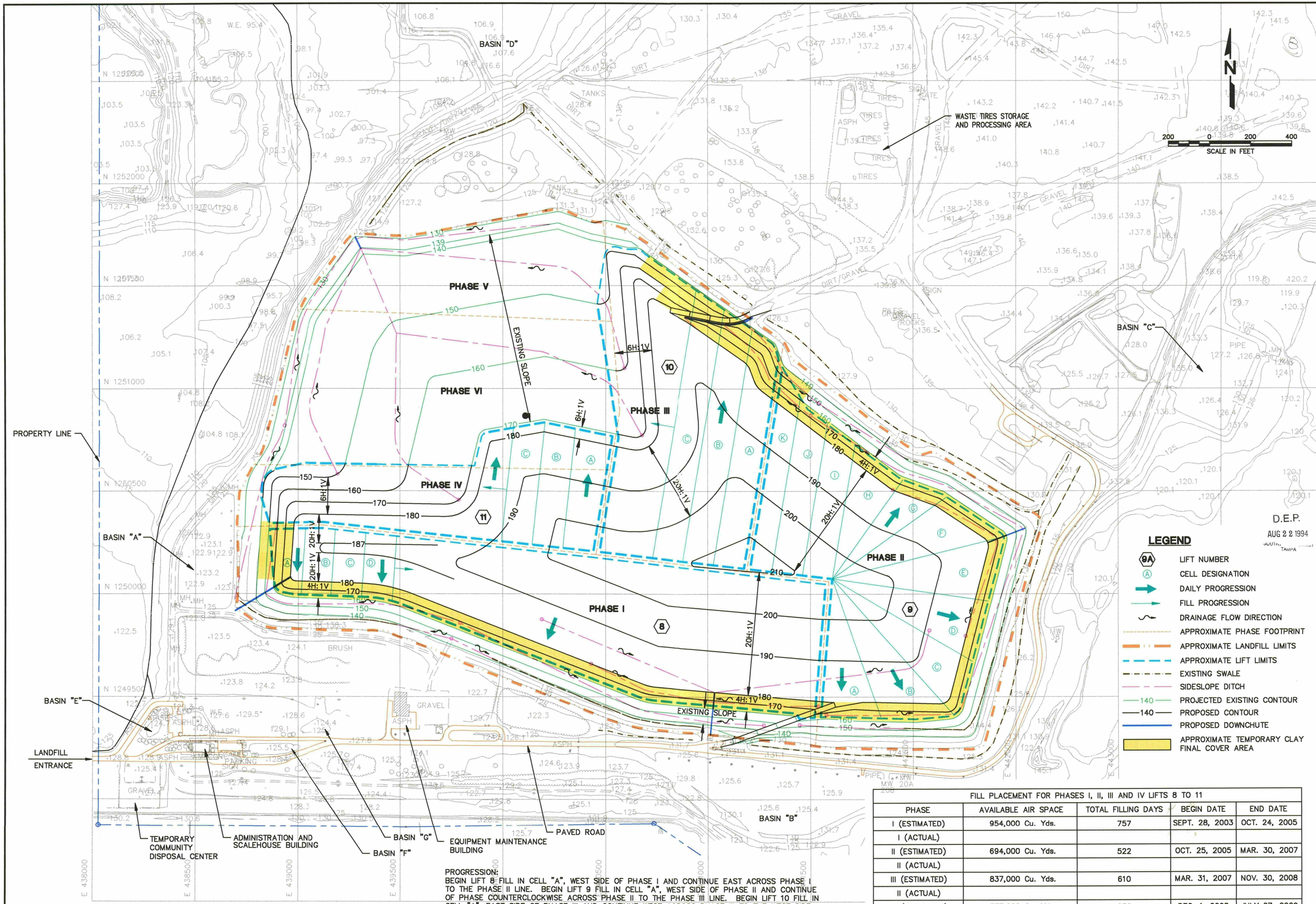
PROJ. NO.	DRWN. BY	Q/A RVWD BY:	APP. BY:
0900018.34	TD/LORD	SMH	RBG
DSN. BY: LER	CHK. BY: LER		

CADD FILE: SEL7CDE

DATE: AUGUST 22, 1994

SCALE: 1"=200'

DRAWING NO. 7 of 21



PROGRESSION:
BEGIN LIFT 8 FILL IN CELL "A", WEST SIDE OF PHASE I AND CONTINUE EAST ACROSS PHASE I TO THE PHASE II LINE. BEGIN LIFT 9 FILL IN CELL "A", WEST SIDE OF PHASE II AND CONTINUE OF PHASE COUNTERCLOCKWISE ACROSS PHASE II TO THE PHASE III LINE. BEGIN LIFT 10 FILL IN CELL "A", EAST SIDE OF PHASE III AND CONTINUE WEST ACROSS PHASE III TO THE WEST SIDE III. BEGIN LIFT 11 FILL IN CELL "A", EAST SIDE OF PHASE IV AND CONTINUE WEST ACROSS PHASE IV.

FILL PLACEMENT FOR PHASES I, II, III AND IV LIFTS 8 TO 11				
PHASE	AVAILABLE AIR SPACE	TOTAL FILLING DAYS	BEGIN DATE	END DATE
I (ESTIMATED)	954,000 Cu. Yds.	757	SEPT. 28, 2003	OCT. 24, 2005
I (ACTUAL)				
II (ESTIMATED)	694,000 Cu. Yds.	522	OCT. 25, 2005	MAR. 30, 2007
II (ACTUAL)				
III (ESTIMATED)	837,000 Cu. Yds.	610	MAR. 31, 2007	NOV. 30, 2008
II (ACTUAL)				
IV (ESTIMATED)	337,000 Cu. Yds.	238	DEC. 1, 2008	JULY 27, 2009
IV (ACTUAL)				

REV. | DATE | DESCRIPTION | CK. BY

DRAWING TITLE
PHASES I TO IV - LIFTS 8 TO 11

PROJECT TITLE
SOUTHEAST COUNTY LANDFILL
OPERATING SEQUENCE
PERMIT RENEWAL-APPENDIX E

CLIENT
HILLSBOROUGH COUNTY
DEPARTMENT OF SOLID WASTE
TAMPA, FLORIDA

SCS ENGINEERS
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PH (813) 621-0080 FAX NO. (813) 626-6707

PROJ. NO. 09801018.34
DSN. BY: RDU
DWN. BY: VD_GRD
CHK. BY: LER
G/A RVW BY: SMH
APP. BY: RBG

CADD FILE: SEL10-13
DATE: AUGUST 22, 1994
SCALE: 1"=200'
DRAWING NO. 8 of 21

PROPERTY LINE

BASIN "A"

BASIN "B"

BASIN "C"

BASIN "D"

BASIN "E"

LANDFILL ENTRANCE

PHASE I

PHASE II

PHASE III

PHASE IV

PHASE V

PHASE VI

4H:1V

30H:1V

EXISTING SLOPE

WASTE TIRES STORAGE AND PROCESSING AREA

TEMPORARY COMMUNITY DISPOSAL CENTER

ADMINISTRATION AND SCALEHOUSE BUILDING

BASIN "F"

BASIN "G"

EQUIPMENT MAINTENANCE BUILDING

PAVED ROAD

200 0 200 400
SCALE IN FEET

N

LEGEND

- 9A — LIFT NUMBER
- A — CELL DESIGNATION
- DAILY PROGRESSION
- FILL PROGRESSION
- DRAINAGE FLOW DIRECTION
- APPROXIMATE PHASE FOOTPRINT
- APPROXIMATE LANDFILL LIMITS
- APPROXIMATE LIFT LIMITS
- EXISTING SWALE
- SIDESLOPE DITCH
- 140 — PROJECTED EXISTING CONTOUR
- 140 — PROPOSED CONTOUR
- PROPOSED DOWNCHUTE
- APPROXIMATE TEMPORARY CLAY FINAL COVER AREA

D.E.P.
AUG 2 2 1994
SOUTHWEST DISTRICT
TAMPA

PROGRESSION:
BEGIN LIFT 12 FILL IN CELL "A", MIDDLE OF PHASE III AND CONTINUE SOUTHWEST ACROSS PHASES V, VI AND IV TO THE WESTERN PERIMETER F THE LANDFILL.

FILL PLACEMENT FOR PHASES V AND VI – LIFT 12				
PHASE	AVAILABLE AIR SPACE	TOTAL FILLING DAYS	BEGIN DATE	END DATE
V TO VI (ESTIMATED)	1,313,000 Cu. Yds.	897	JULY 28, 2009	JAN. 10, 2012
V TO VI (ACTUAL)				

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE
PHASES V AND VI - LIFT 12

PROJECT TITLE
SOUTHEAST COUNTY LANDFILL
OPERATING SEQUENCE
PERMIT RENEWAL-APPENDIX E

CLIENT
HILLSBOROUGH COUNTY
DEPARTMENT OF SOLID WASTE
TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3030 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL. 33619
PH (813) 621-0080 FAX NO. (813) 623-0787

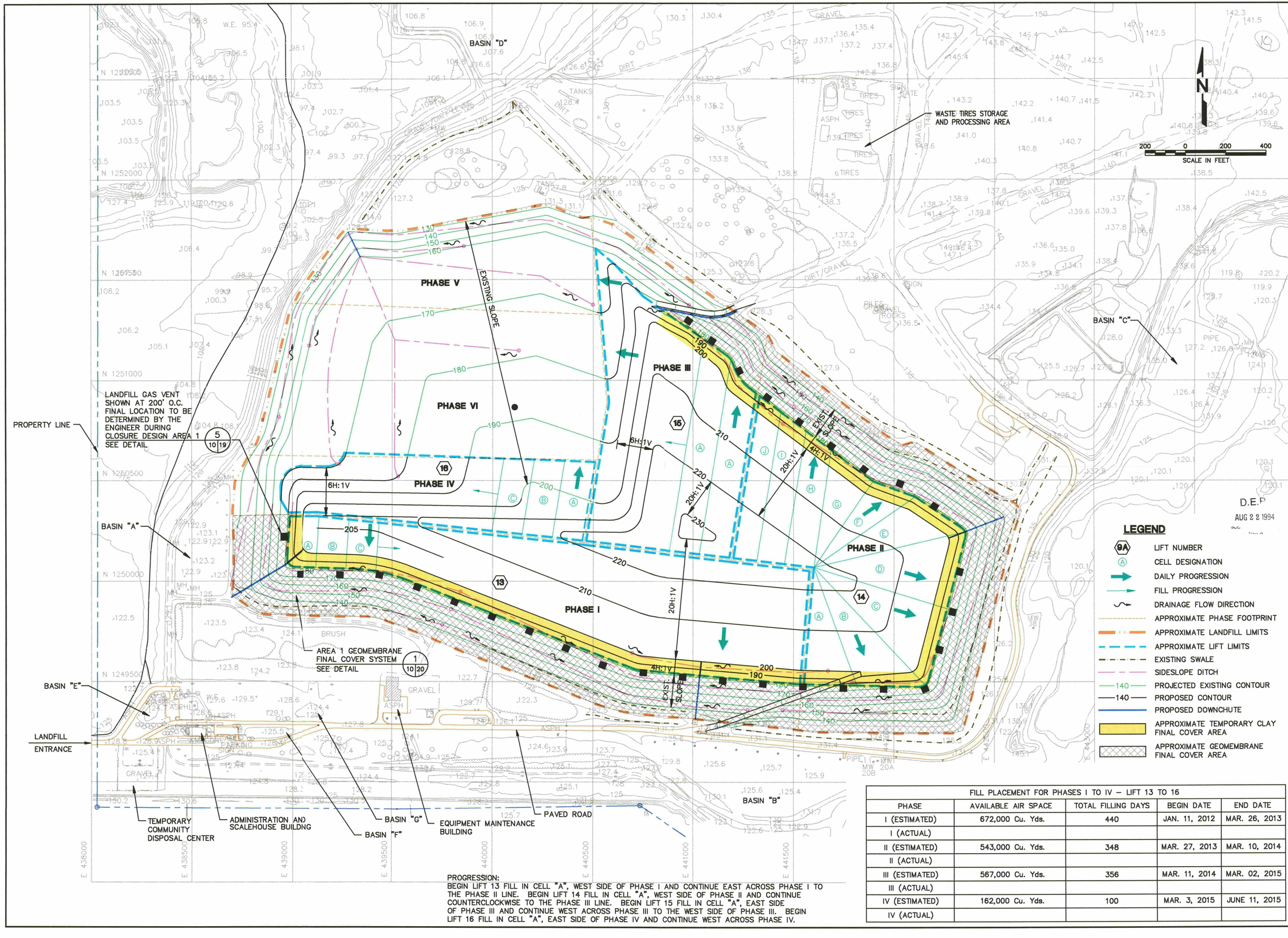
PROJ. NO. 0930018.34 | DRN. BY: BJH | VD\GRD | SMH | RBG
DSN. BY: LER | CHK. BY: LER | APP. BY: RBG

CADD FILE: SEL14

DATE: AUGUST 22, 1994

SCALE: 1"=200'

DRAWING NO. 9 of 21



LEGEND

- 9A — LIFT NUMBER
- A — CELL DESIGNATION
- DAILY PROGRESSION
- FILL PROGRESSION
- DRAINAGE FLOW DIRECTION
- APPROXIMATE PHASE FOOTPRINT
- APPROXIMATE LANDFILL LIMITS
- APPROXIMATE LIFT LIMITS
- EXISTING SWALE
- SIDESLOPE DITCH
- 140 — PROJECTED EXISTING CONTOUR
- 140 — PROPOSED CONTOUR
- PROPOSED DOWNCHUTE
- APPROXIMATE TEMPORARY CLAY FINAL COVER AREA
- APPROXIMATE GEOMEMBRANE FINAL COVER AREA

PROGRESSION:
BEGIN LIFT 13 FILL IN CELL "A", WEST SIDE OF PHASE I AND CONTINUE EAST ACROSS PHASE I TO THE PHASE II LINE. BEGIN LIFT 14 FILL IN CELL "A", WEST SIDE OF PHASE II AND CONTINUE COUNTERCLOCKWISE TO THE PHASE III LINE. BEGIN LIFT 15 FILL IN CELL "A", EAST SIDE OF PHASE III AND CONTINUE WEST ACROSS PHASE III TO THE WEST SIDE OF PHASE III. BEGIN LIFT 16 FILL IN CELL "A", EAST SIDE OF PHASE IV AND CONTINUE WEST ACROSS PHASE IV.

FILL PLACEMENT FOR PHASES I TO IV – LIFT 13 TO 16

PHASE	AVAILABLE AIR SPACE	TOTAL FILLING DAYS	BEGIN DATE	END DATE
I (ESTIMATED)	672,000 Cu. Yds.	440	JAN. 11, 2012	MAR. 26, 2013
I (ACTUAL)				
II (ESTIMATED)	543,000 Cu. Yds.	348	MAR. 27, 2013	MAR. 10, 2014
II (ACTUAL)				
III (ESTIMATED)	567,000 Cu. Yds.	356	MAR. 11, 2014	MAR. 02, 2015
III (ACTUAL)				
IV (ESTIMATED)	162,000 Cu. Yds.	100	MAR. 3, 2015	JUNE 11, 2015
IV (ACTUAL)				

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: PHASES I TO IV - LIFTS 13 TO 16

PROJECT TITLE: SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E

CLIENT: HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS
3012 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 623-0707

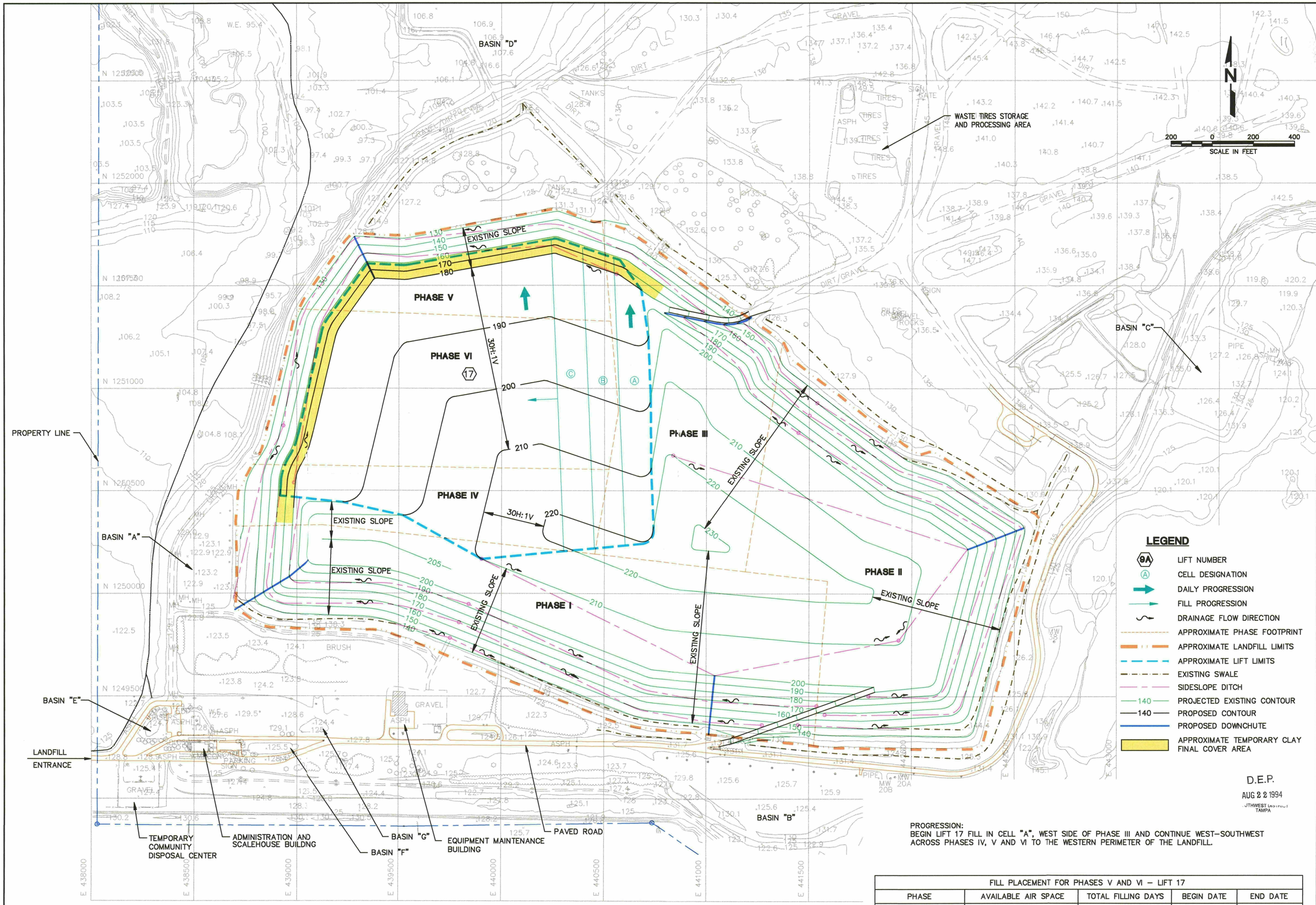
PROJ. NO. 09900016.34 | DWN. BY: BJJ | CHK. BY: LER | QA/QC BY: SMH | APP. BY: RBG

CADD FILE: SEL15-18

DATE: AUGUST 22, 1994

SCALE: 1"=200'

DRAWING NO. 10 of 21



LEGEND

- LIFT NUMBER
- CELL DESIGNATION
- DAILY PROGRESSION
- FILL PROGRESSION
- DRAINAGE FLOW DIRECTION
- APPROXIMATE PHASE FOOTPRINT
- APPROXIMATE LANDFILL LIMITS
- APPROXIMATE LIFT LIMITS
- EXISTING SWALE
- SIDESLOPE DITCH
- PROJECTED EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DOWNCHUTE
- APPROXIMATE TEMPORARY CLAY FINAL COVER AREA

D.E.P.
AUG 2 2 1994
SOUTHWEST DISTRICT
TAMPA

PROGRESSION:
BEGIN LIFT 17 FILL IN CELL "A", WEST SIDE OF PHASE III AND CONTINUE WEST–SOUTHWEST ACROSS PHASES IV, V AND VI TO THE WESTERN PERIMETER OF THE LANDFILL.

FILL PLACEMENT FOR PHASES V AND VI – LIFT 17				
PHASE	AVAILABLE AIR SPACE	TOTAL FILLING DAYS	BEGIN DATE	END DATE
V TO VI (ESTIMATED)	1,172,000 Cu. Yds.	713	JUNE 12, 2015	MAY 25, 2017
V TO VI (ACTUAL)				

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: PHASES V AND VI - LIFT 17

PROJECT TITLE: SOUTHEAST COUNTY LANDFILL
OPERATING SEQUENCE
PERMIT RENEWAL-APPENDIX E

CLIENT: HILLSBOROUGH COUNTY
DEPARTMENT OF SOLID WASTE
TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3012 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 623-6757

PROJECT NO. 01018.34
DRWN. BY: VD\ GRD
CHK. BY: LER
Q/A PER: JPH
APP. BY: RBG

CADD FILE: SEL19

DATE: AUGUST 22, 1994

SCALE: 1"=200'

DRAWING NO. 11 of 21

BASIN "D"

WASTE TIRES STORAGE AND PROCESSING AREA

AREA 2 GEOMEMBRANE FINAL COVER SYSTEM SEE DETAIL 1 / 12 20

PHASE V

PHASE VI

PHASE III

PHASE IV

PHASE II

PHASE I

EXISTING SLOPE

LANDFILL GAS VENT SHOWN AT 200' O.C. FINAL LOCATION TO BE DETERMINED BY THE ENGINEER DURING CLOSURE DESIGN AREA 2 SEE DETAIL 5 / 12 19

PROPERTY LINE

BASIN "A"

BASIN "C"

BASIN "E"

LANDFILL ENTRANCE

BASIN "B"

6H:1V

8H:1V

4H:1V

20H:1V

TEMPORARY COMMUNITY DISPOSAL CENTER

ADMINISTRATION AND SCALEHOUSE BUILDING

BASIN "F"

BASIN "G"

EQUIPMENT MAINTENANCE BUILDING

PAVED ROAD

N

200 0 200 400
SCALE IN FEET

LEGEND

- 9A — LIFT NUMBER
- A — CELL DESIGNATION
- DAILY PROGRESSION
- FILL PROGRESSION
- DRAINAGE FLOW DIRECTION
- APPROXIMATE PHASE FOOTPRINT
- APPROXIMATE LANDFILL LIMITS
- APPROXIMATE LIFT LIMITS
- EXISTING SWALE
- SIDESLOPE DITCH
- 140 — PROJECTED EXISTING CONTOUR
- 140 — PROPOSED CONTOUR
- PROPOSED DOWNCHUTE
- APPROXIMATE TEMPORARY CLAY FINAL COVER AREA
- APPROXIMATE GEOMEMBRANE FINAL COVER AREA

RECEIVED
AUG 22 1994
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT TAMPA

PROGRESSION:
BEGIN LIFT 18 FILL IN CELL "A", WEST SIDE OF PHASE I AND CONTINUE EAST ACROSS PHASE I TO THE PHASE II LINE. BEGIN LIFT 19 FILL IN CELL "A", WEST SIDE OF PHASE II AND CONTINUE COUNTERCLOCKWISE ACROSS PHASE II TO THE PHASE III LINE. BEGIN LIFT 20 FILL IN CELL "A", EAST SIDE OF PHASE III AND CONTINUE WEST ACROSS PHASE III TO THE WEST SIDE OF PHASE III. BEGIN LIFT 21 FILL IN CELL "A", EAST SIDE OF PHASE IV AND CONTINUE WEST ACROSS PHASE IV.

FILL PLACEMENT FOR PHASES I TO IV – LIFTS 18 TO 21

PHASE	AVAILABLE AIR SPACE	TOTAL FILLING DAYS	BEGIN DATE	END DATE
I (ESTIMATED)	479,000 Cu. Yds.	283	MAY 26, 2017	MARCH 4, 2018
I (ACTUAL)				
II (ESTIMATED)	409,000 Cu. Yds.	238	MARCH 5, 2018	OCT. 29, 2018
II (ACTUAL)				
III (ESTIMATED)	296,000 Cu. Yds.	170	OCT. 30, 2018	APRIL 18, 2019
III (ACTUAL)				
IV (ESTIMATED)	177,000 Cu. Yds.	101	APRIL 19, 2019	JULY 29, 2019
IV (ACTUAL)				

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE
PHASES 1 TO IV - LIFTS 18 TO 21

PROJECT TITLE
SOUTHEAST COUNTY LANDFILL
OPERATING SEQUENCE
PERMIT RENEWAL-APPENDIX E

CLIENT
HILLSBOROUGH COUNTY
DEPARTMENT OF SOLID WASTE
TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3012 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 623-0787

PROJ. NO. 0960016.34 | DWN. BY: BLJ (VD) GRD | Q/A RVW BY: SMH | DSN. BY: LER | CHK. BY: LER | APP. BY: RBG

CADD FILE: SEL20-23

DATE: AUGUST 22, 1994

SCALE: 1"=200'

DRAWING NO. **12** of 21

BASIN "D"

WASTE TIRES STORAGE AND PROCESSING AREA

AREA 2 GEOMEMBRANE FINAL COVER SYSTEM SEE DETAIL 1 / 13|20

EXISTING SLOPE

4H:1V

PHASE V

22

PHASE VI

30H:1V

PHASE III

PHASE IV

PHASE II

PHASE I

EXISTING SLOPE

EXISTING SLOPE

EXISTING SLOPE

BASIN "C"

BASIN "B"

BASIN "A"

BASIN "E"

BASIN "F"

BASIN "G"

PROPERTY LINE

LANDFILL GAS VENT SHOWN AT 200' O.C. FINAL LOCATION TO BE DETERMINED BY THE ENGINNER DURING CLOSURE DESIGN AREA 2 SEE DEATIL 5 / 13|19

LANDFILL ENTRANCE

TEMPORARY COMMUNITY DISPOSAL CENTER

ADMINISTRATION AND SCALEHOUSE BUILDING

EQUIPMENT MAINTENANCE BUILDING

PAVED ROAD

N

200 0 200 400

SCALE IN FEET

LEGEND

- 9A — LIFT NUMBER
- A — CELL DESIGNATION
- DAILY PROGRESSION
- FILL PROGRESSION
- DRAINAGE FLOW DIRECTION
- APPROXIMATE PHASE FOOTPRINT
- APPROXIMATE LANDFILL LIMITS
- APPROXIMATE LIFT LIMITS
- EXISTING SWALE
- SIDESLOPE DITCH
- 140 — PROJECTED EXISTING CONTOUR
- 140 — PROPOSED CONTOUR
- PROPOSED DOWNCHUTE
- APPROXIMATE TEMPORARY CLAY FINAL COVER AREA
- APPROXIMATE GEOMEMBRANE FINAL COVER AREA

PROGRESSION:
BEGIN LIFT 22 FILL IN CELL "A", SOUTH SIDE OF PHASE III AND CONTINUE WEST ACROSS PHASES III, IV, V AND VI TO THE WESTERN PERIMETER OF THE LANDFILL.

D.E.P.
AUG 22 1994

FILL PLACEMENT FOR PHASES V AND VI – LIFT 22				
PHASE	AVAILABLE AIR SPACE	TOTAL FILLING DAYS	BEGIN DATE	END DATE
V TO VI (EST.)	1,159,000 Cu. Yds.	651	JULY 30, 2019	MAY 11, 2021
V TO VI (ACTUAL)				

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: PHASES V AND VI - LIFT 22

PROJECT TITLE: SOUTHEAST COUNTY LANDFILL
OPERATING SEQUENCE
PERMIT RENEWAL-APPENDIX E

CLIENT: HILLSBOROUGH COUNTY
DEPARTMENT OF SOLID WASTE
TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3030 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 626-6787

PROJ. NO.	DWN. BY	Q/A REVIEW BY	APP. BY
0390018.34	WD	GRD	SMH
CSK. NO.	CSK. BY		RBG
	LER	LER	

CADD FILE: SEL24

DATE: AUGUST 22, 1994

SCALE: 1"=200'

DRAWING NO. 13 of 21

CENTERLINE SERVICE HAUL ROAD ALIGNMENT

BEGIN			N=1,251,363	E=441,209
CURVE 1	RADIUS=212.50'		CHORD=155.09'	S79°48'21"W
COURSE	N78°47'28"W	640.71'		
CURVE 2	RADIUS=187.50'		CHORD=78.44'	S89°08'05"W

CENTERLINE MAIN HAUL ROAD ALIGNMENT

BEGIN			N=1,249,249	E=440,904
COURSE 1	N80°05'16"E	187.26'		
CURVE 1	RADIUS=400'		CHORD=77.44'	N75°31'57"E
COURSE 2	N70°01'57"E	814.41'		
CURVE 2	RADIUS=199.50'		CHORD=83.40'	N58°04'30"E

N

200 0 200 400
SCALE IN FEET

PERMANENT PUMP STATION "B" SEE DETAIL 1/14/21

DOWNCHUTE "5" SEE DETAIL 5/14/18

SERVICE HAUL ROAD

DOWNCHUTE "4" SEE DETAIL 4/14/18

EXISTING SLOPE

4H:1V

20H:1V

PHASE V

PHASE VI

PHASE III

PHASE IV

PHASE II

PHASE I

BASIN "C"

BASIN "D"

PROPERTY LINE

LANDFILL GAS VENT SHOWN AT 200' O.C. FINAL LOCATION TO BE DETERMINED BY THE ENGINEER DURING CLOSURE. DESIGN AREA 3 (FINAL) SEE DETAIL 5/14/19

BASIN "A"

AREA 3 GEOMEMBRANE FINAL COVER SYSTEM SEE DETAIL 1/14/20

DOWNCHUTE "1" SEE DETAIL 1/14/18

DOWNCHUTE "3" SEE DETAIL 3/14/18

BASIN "E"

LANDFILL ENTRANCE

DOWNCHUTE "2" SEE DETAIL 2/14/18

BASIN "B"

MAIN HAUL ROAD

TEMPORARY COMMUNITY DISPOSAL CENTER

ADMINISTRATION AND SCALEHOUSE BUILDNG

BASIN "F"

BASIN "G"

EQUIPMENT MAINTENANCE BUILDING

PAVED ROAD

LEGEND

- 9A — LIFT NUMBER
- A — CELL DESIGNATION
- DAILY PROGRESSION
- FILL PROGRESSION
- DRAINAGE FLOW DIRECTION
- APPROXIMATE PHASE FOOTPRINT
- APPROXIMATE LANDFILL LIMITS
- APPROXIMATE LIFT LIMITS
- EXISTING SWALE
- SIDESLOPE DITCH
- 140 — PROJECTED EXISTING CONTOUR
- 140 — PROPOSED CONTOUR
- PROPOSED DOWNCHUTE

D.E.P.
AUG 2 2 1994
TAMPA

PROGRESSION:
BEGIN LIFT 23 FILL IN CELL "A", WEST SIDE OF PHASE II CONTINUE COUNTERCLOCKWISE AGAINST PHASE II ACROSS PHASES V AND VI TO THE SOUTHWEST CORNER AGAINST PHASE IV.

FILL PLACEMENT FOR PHASES V AND VI – LIFT 23 (FINAL LIFT)				
PHASE	AVAILABLE AIR SPACE	TOTAL FILLING DAYS	BEGIN DATE	END DATE
V TO VI (ESTIMATED)	1,340,000 Cu. Yds.	724	MAY 12, 2021	MAY 6, 2023
V TO VI (ACTUAL)				

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: PHASES V AND VI - LIFT 23 (FINAL LIFT)

PROJECT TITLE: SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E

CLIENT: HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS
900 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 620-0787

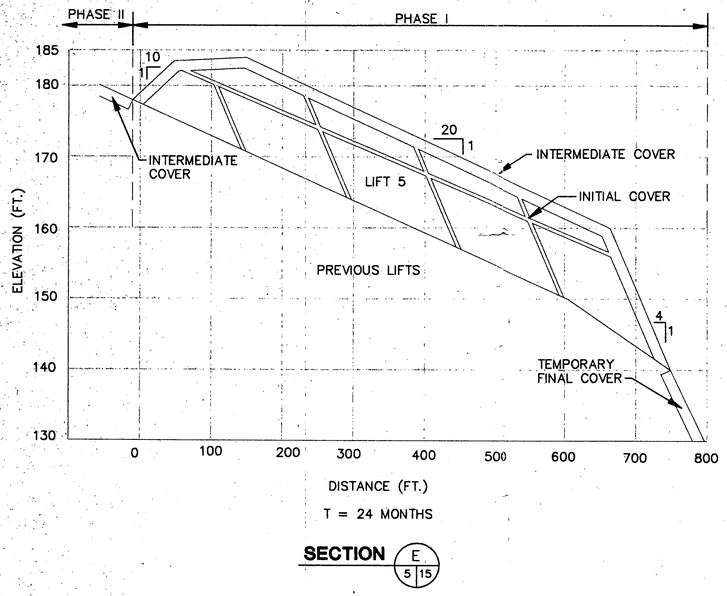
PROJ. NO. 09218.34 | DWG. FILE (VD).GRD | Q/A RVS.SPI | APP. BY: RBG
DSN. BY: LER\RDU | CHK. BY: LER

CADD FILE: SEL25

DATE: AUGUST 22, 1994

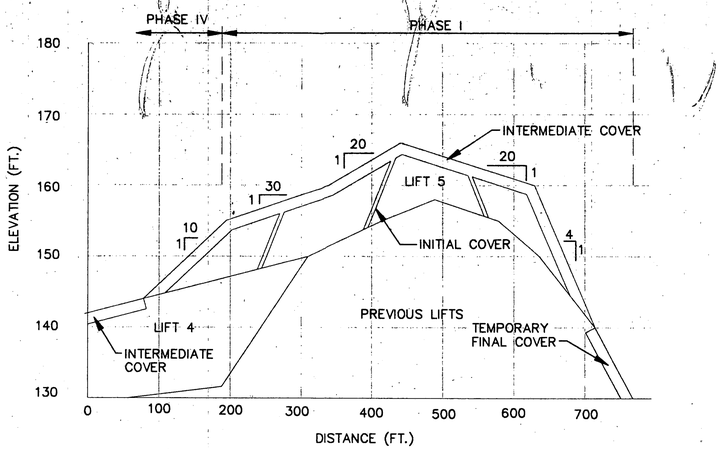
SCALE: 1"=200'

DRAWING NO. 14 of 21



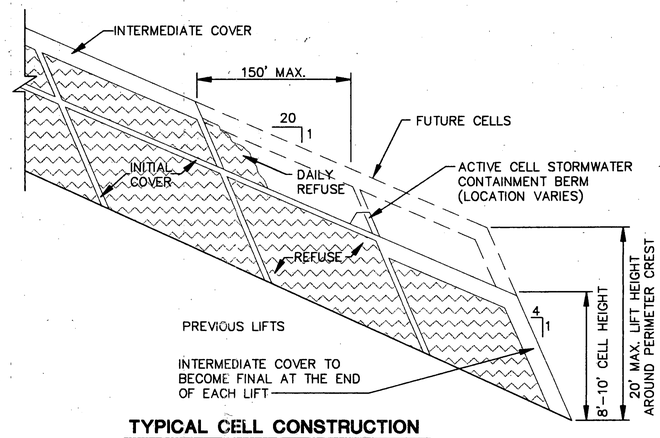
T = 24 MONTHS

SECTION E 5 15



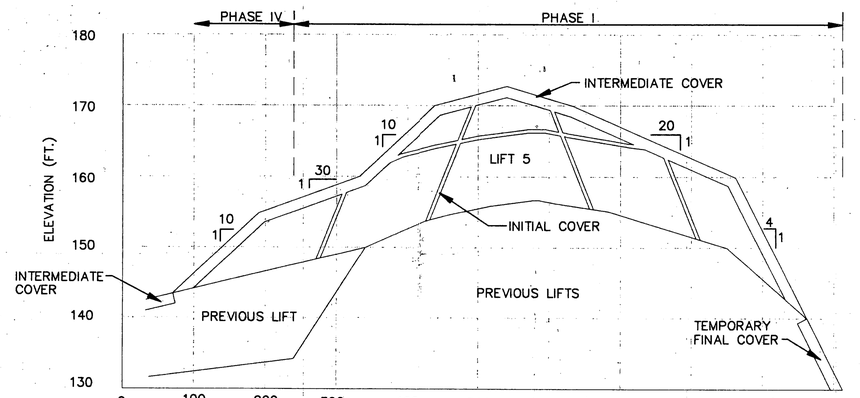
T = 6 MONTHS

SECTION B 5 15



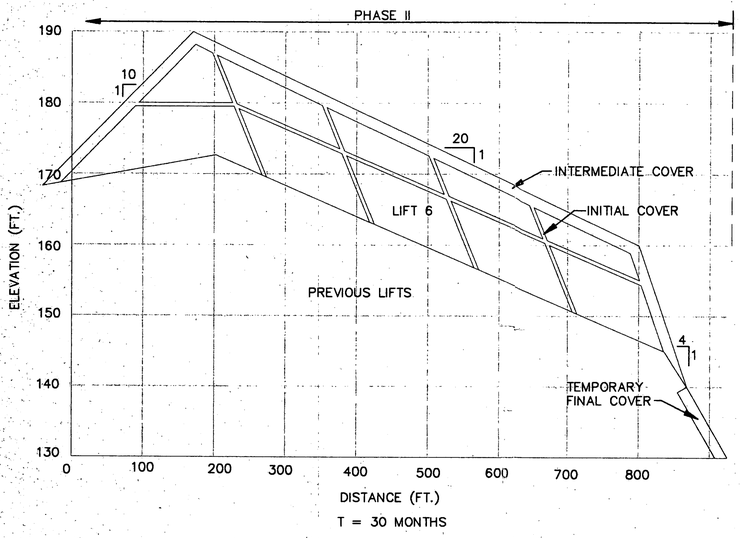
TYPICAL CELL CONSTRUCTION

NOTE:
THE FOLLOWING SECTIONS REPRESENT THE APPROXIMATE LOCATION OF WASTE PLACEMENT IN 6 MONTH INTERVALS, BASED ON EXISTING AND PROJECTED DISPOSAL RATES PREPARED BY HCDSW. THE LOCATION WILL VARY DEPENDING ON THE ACTUAL DISPOSAL RATES. THE SECTION LOCATION ARE SHOWN ON DRAWINGS NO. 5 THRU 7.



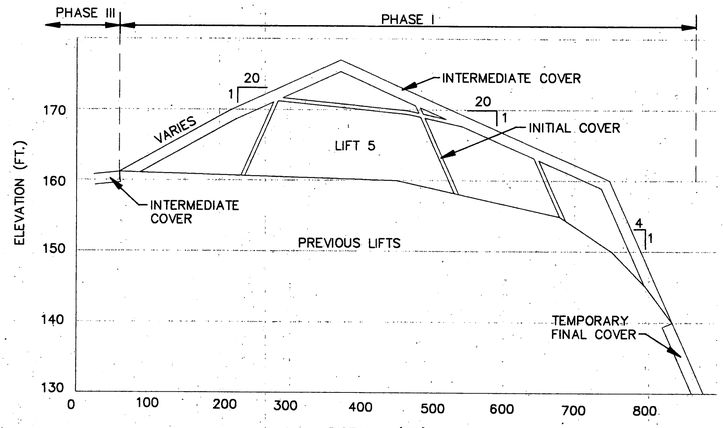
T = 12 MONTHS

SECTION C 5 15



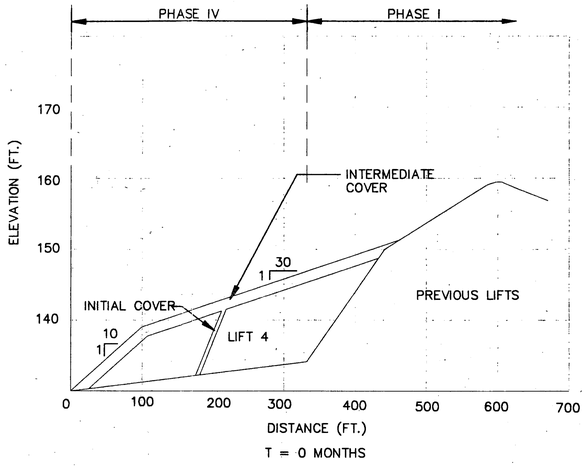
T = 30 MONTHS

SECTION F 5 15



T = 18 MONTHS

SECTION D 5 15



T = 0 MONTHS

SECTION A 4 15

D.E.P.
NOV 1 8 1994
SOUTHWEST DISTRICT
TAMPA

DRAWING TITLE
SEMI-ANNUAL LANDFILL SECTIONS 1

PROJECT TITLE
SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E

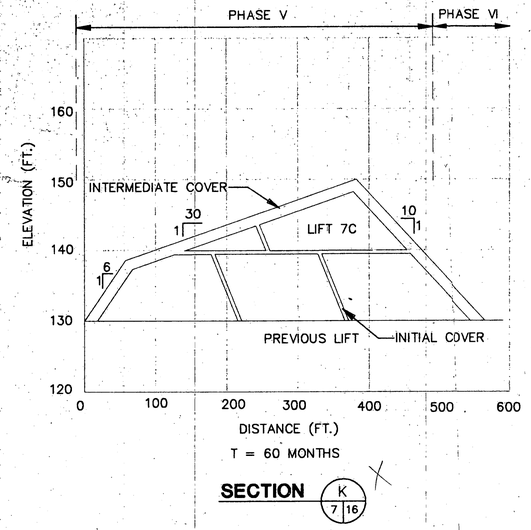
REV	DATE	DESCRIPTION	CK. BY
1	11/14/94	SHOW INTERMEDIATE COVER ALL SECT.	LER

CLIENT
HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE
TAMPA, FLORIDA

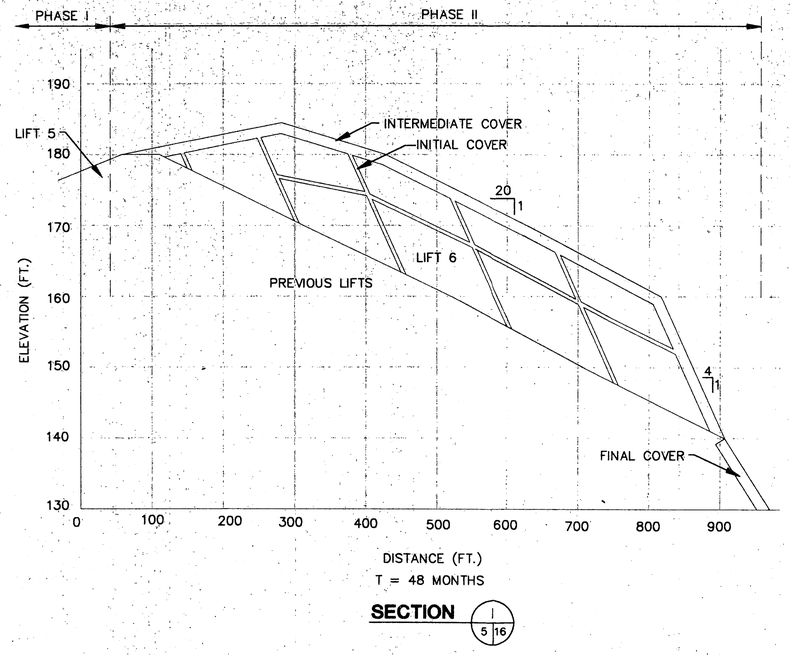
SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3012 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 623-6757

PROJ. NO.	DWN. BY	CHK. BY	D/A DWN BY	APP. BY
0990018.34	BLJ	LER	SMH	RBG
DSK: LER/BLJ				

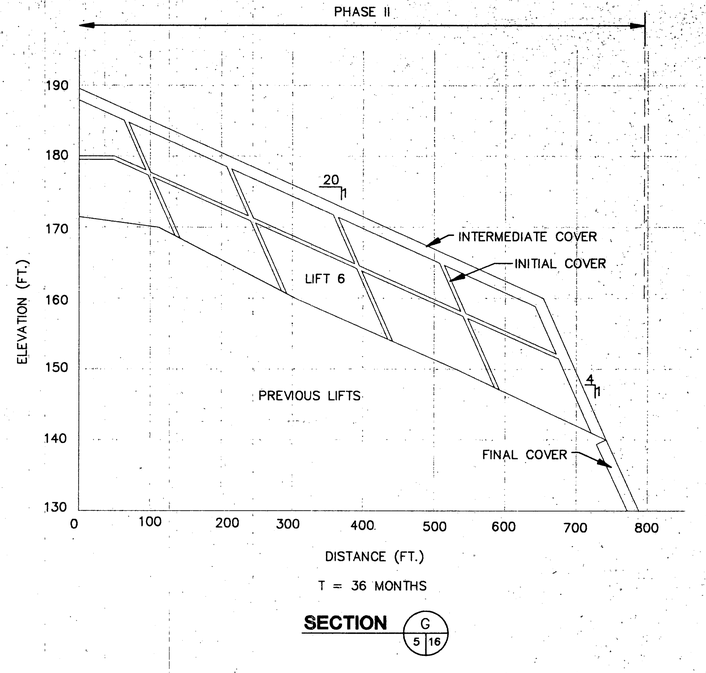
CADD FILE: LIFTSECT
DATE: AUGUST 22, 1994
SCALE: 1"=100' HORZ. 1"=10' VERT.
DRAWING NO. **15** of **21**



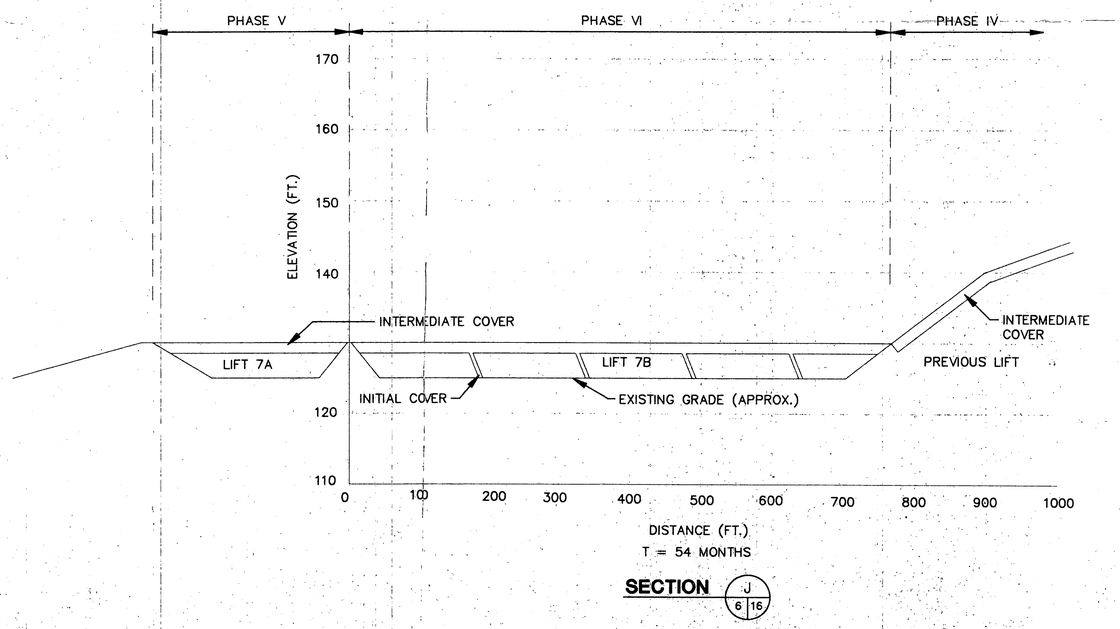
SECTION K 7 16



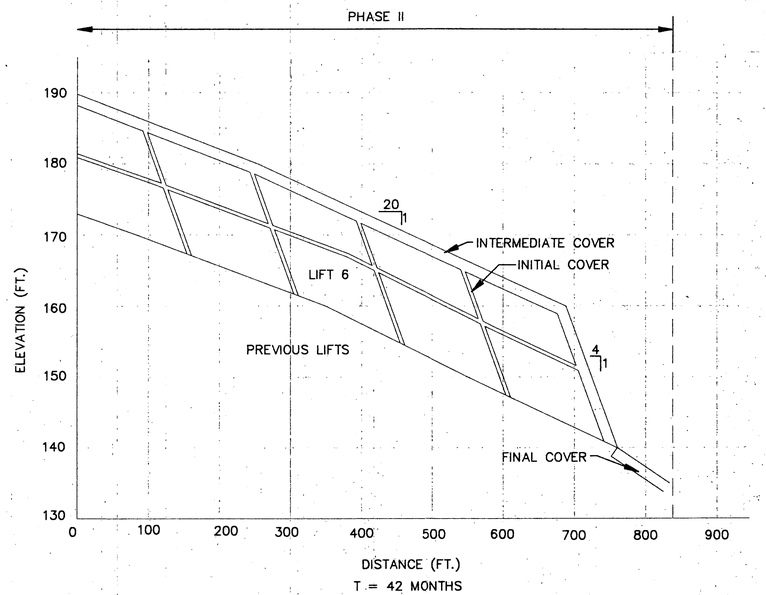
SECTION I 5 16



SECTION G 5 16



SECTION J 6 16



SECTION H 5 16

D.E.P.
NOV 1 8 1994
SOUTHWEST DISTRICT
TAMPA

REV.	DATE	DESCRIPTION	CK. BY.
1	11/14/94	SHOW INTERMEDIATE COVER ALL SECT.	LER

DRAWING TITLE
SEMI-ANNUAL LANDFILL SECTIONS 2

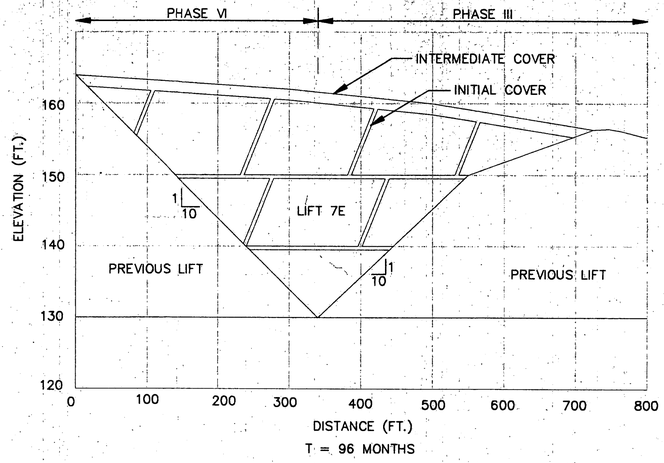
PROJECT TITLE
SOUTHEAST COUNTY LANDFILL
OPERATING SEQUENCE
PERMIT RENEWAL-APPENDIX E

CLIENT
HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE
TAMPA, FLORIDA

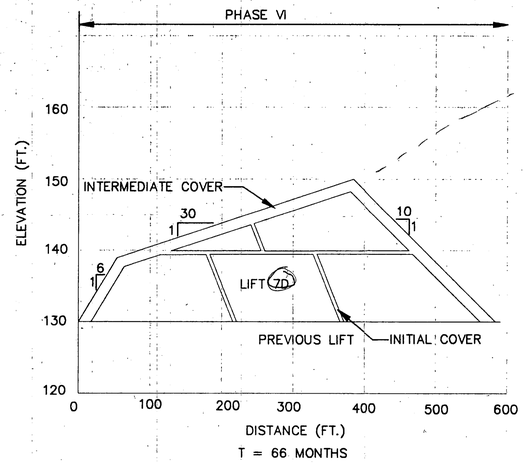
SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3030 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH. (813) 621-0080 FAX NO. (813) 623-6757

PROJ. NO. 09390018.34
DSN. BY: LER/BLJ
DWN. BY: BLJ/VD
CHK. BY: LER
QA/QC BY: SMH
APP. BY: RBG

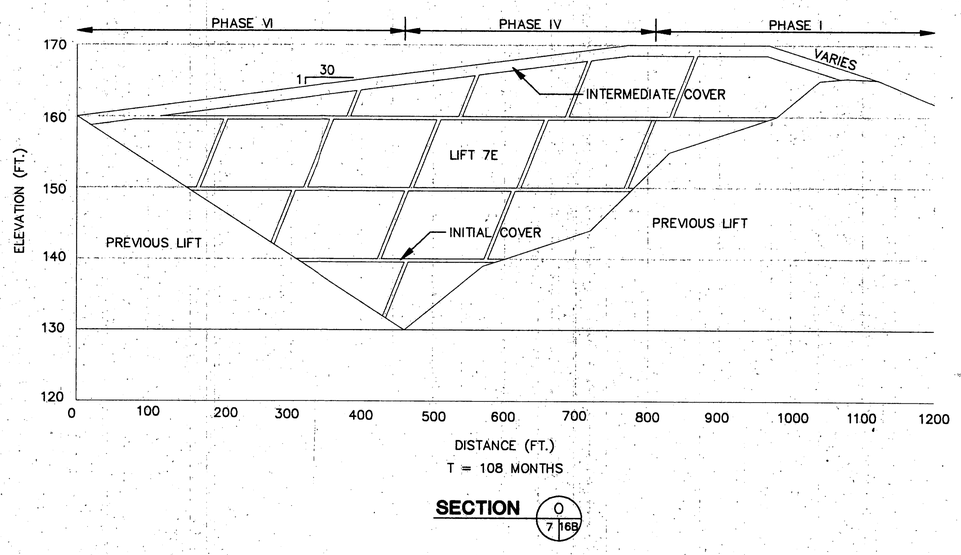
CADD FILE: LIFTSEC2
DATE: AUGUST 22, 1994
SCALE: 1"=100' HORZ. 1"=10' VERT.
DRAWING NO. 16 of 21



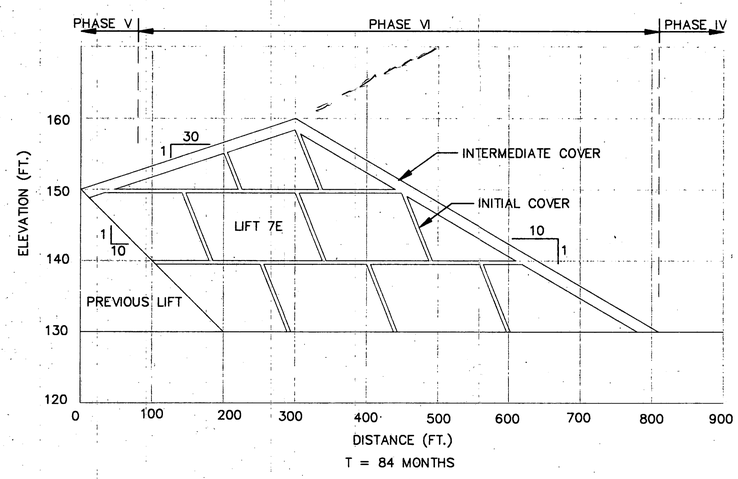
SECTION N / 7 | 16B



SECTION L / 7 | 16B



SECTION O / 7 | 16B



SECTION M / 7 | 16B

D.E.P.
NOV 1 8 1994
SOUTHWEST DISTRICT
TAMPA

(17)

NO.	REV.	DATE	DESCRIPTION	CK. BY
1				
2				
3				
4				
5				

DRAWING TITLE: **SEMI-ANNUAL LANDFILL SECTIONS 3**

PROJECT TITLE: **SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E**

CLIENT: **HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA**

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3012 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 623-4727

PROJ. NO. 0990018.34 | DSN. BY: LER/BLJ | DWN. BY: BP/VD | CHK. BY: LER | O/A KNW BY: SMH | APP. BY: RBG

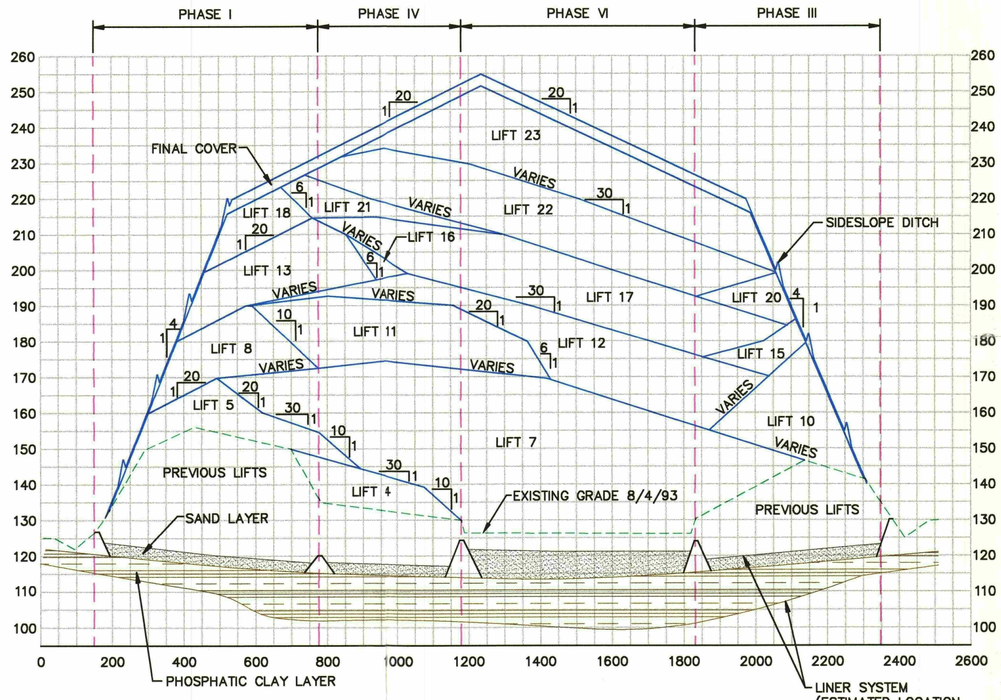
CADD FILE: LIFTSEC3

DATE: NOVEMBER 14, 1994

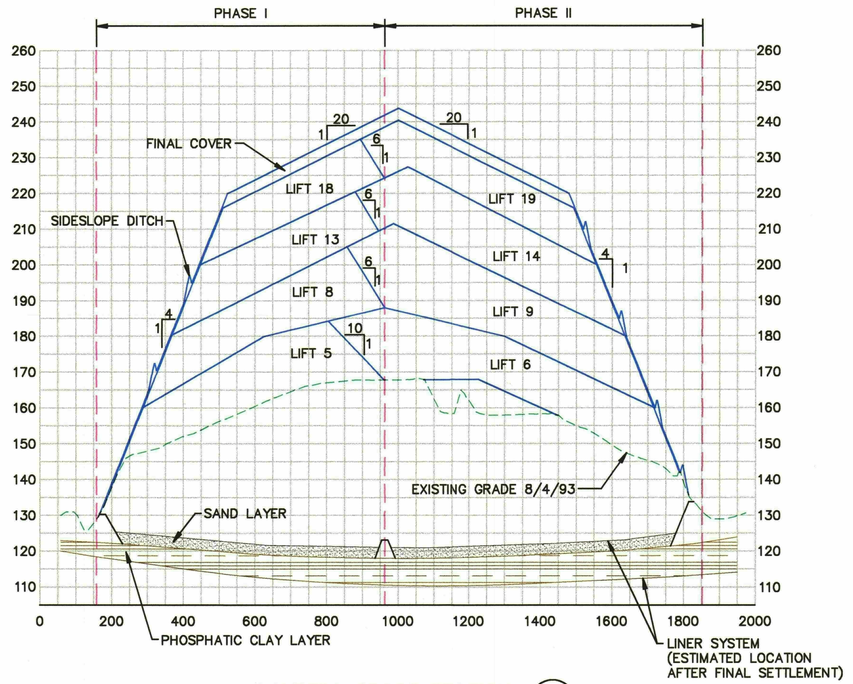
SCALE: 1"=100' HORZ. 1"=10' VERT.

DRAWING NO.

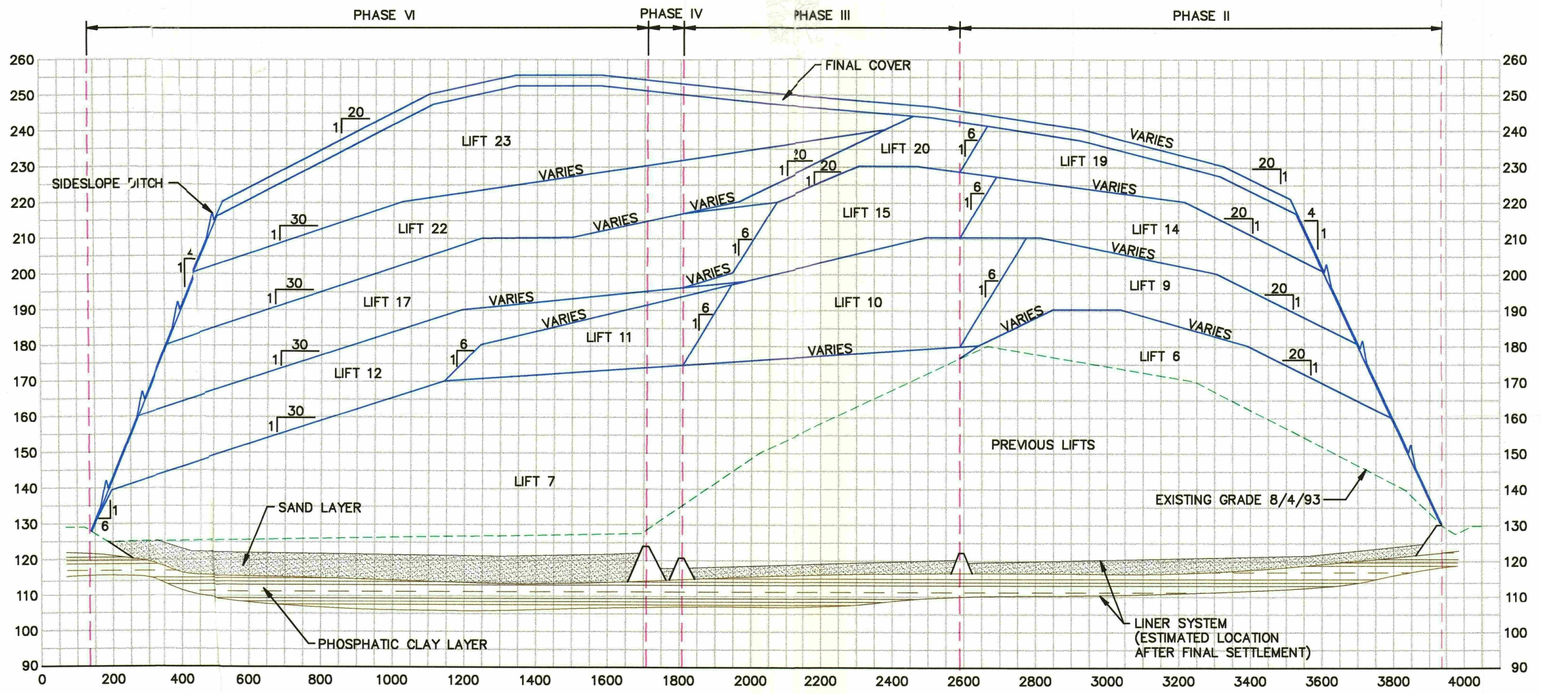
16B of 21



LANDFILL CROSS SECTION B 14|17



LANDFILL CROSS SECTION A 14|17



LANDFILL CROSS SECTION C 14|17

D.E.P.
AUG 2 2 1994
SOUTHWEST DISTRICT
TAMPA

NOTE:
SOME SLOPES AND LIFT SIZE VARY DUE TO SECTION CUT ORIENTATION. SEE DRAWING NO. 14 FOR SECTION LOCATIONS

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: **LANDFILL SECTIONS**

PROJECT TITLE: **SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E**

CLIENT: **HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA**

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3502 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 622-4707

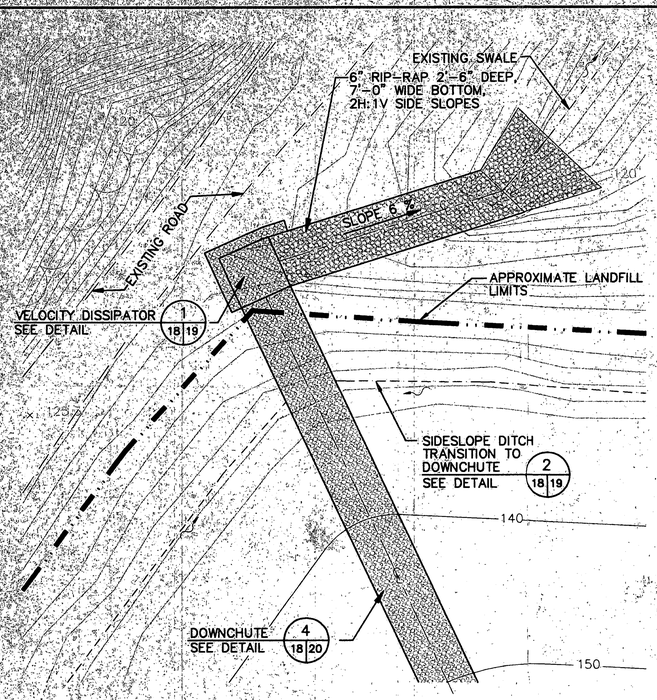
PROJ. NO. 0501018.34
DSN. BY: LER/BLJ
DWN. BY: GRD/JVDR
CHK. BY: LER
Q/A REVIEW BY: SMH
APP. BY: RBG

CADD FILE: SECTIONA

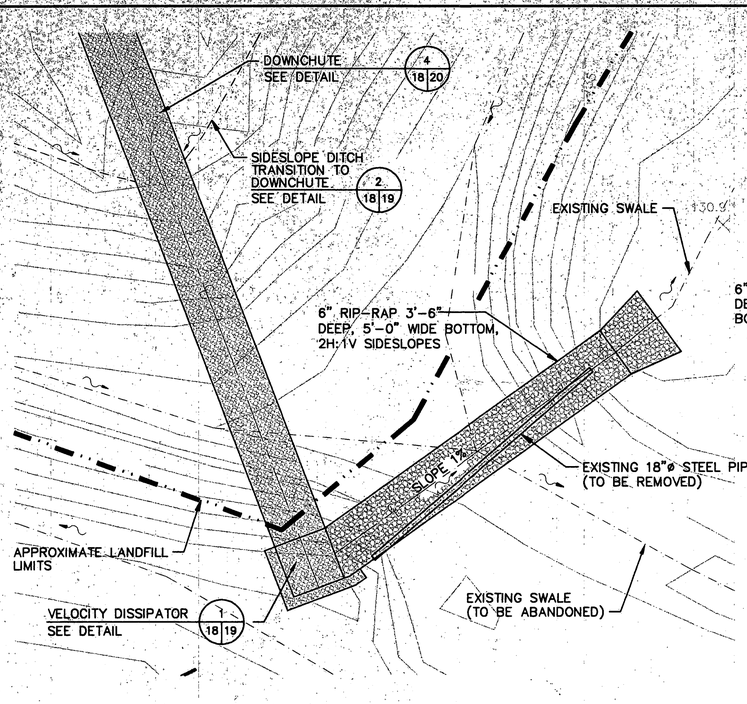
DATE: AUGUST 22, 1994

SCALE: 1"=20' VERT
1"=200' HORZ

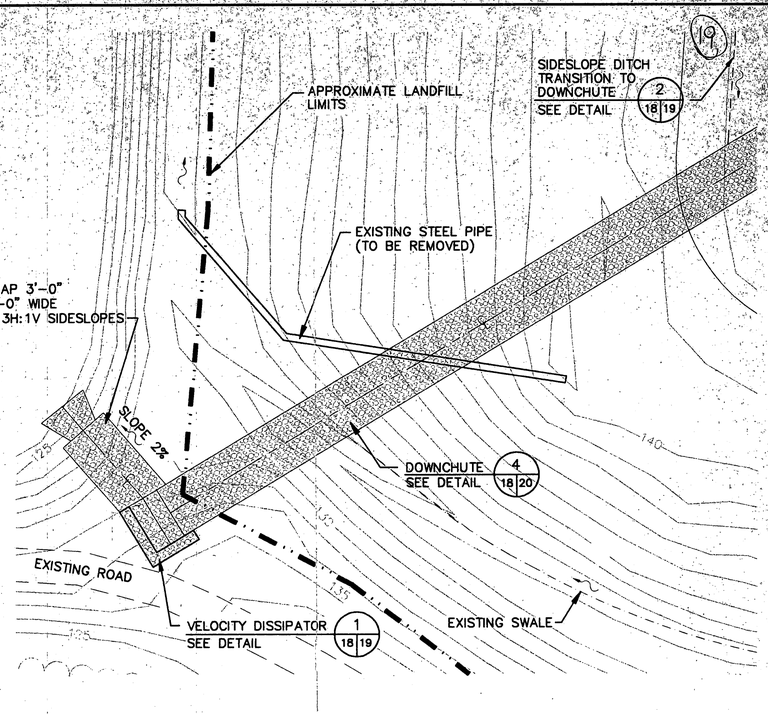
DRAWING NO. **17** of **21**



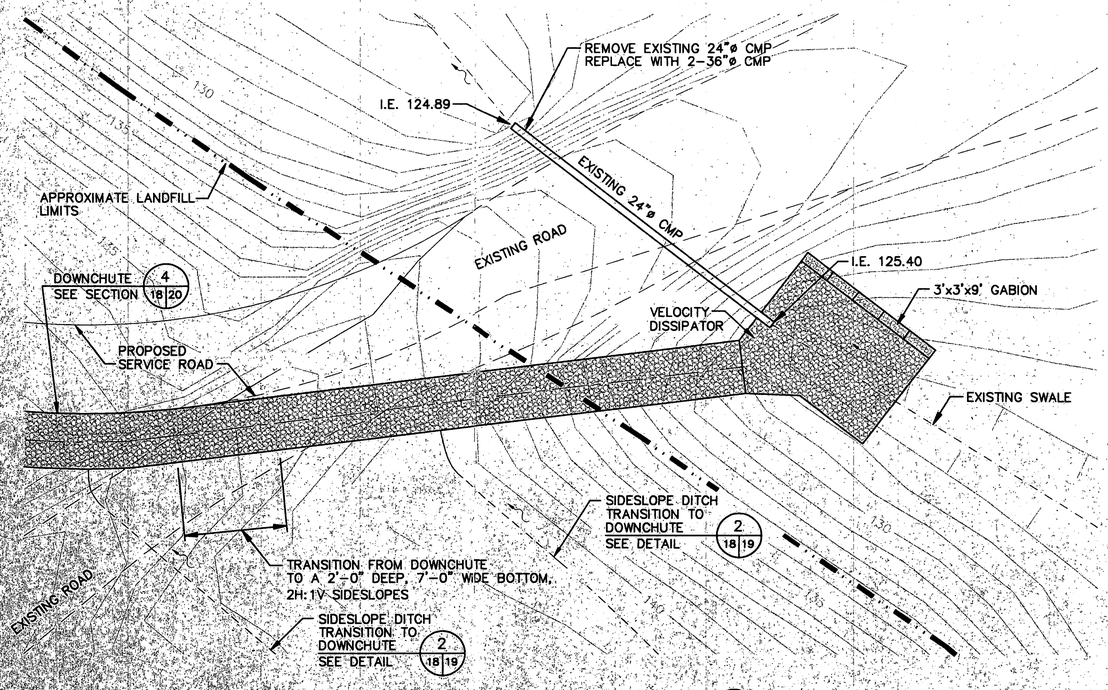
DOWNCHUTE "5" - PLAN DETAIL 5 14|18



DOWNCHUTE "3" - PLAN DETAIL 3 14|18

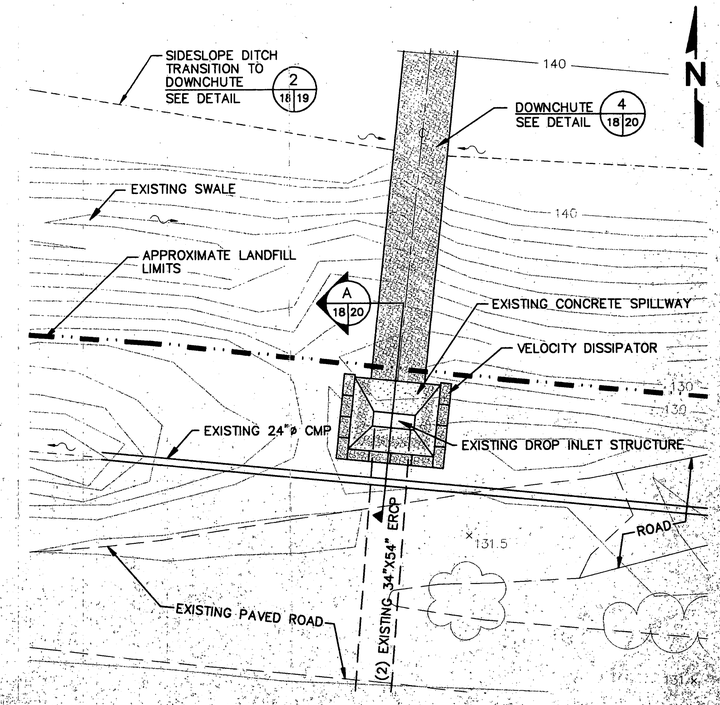


DOWNCHUTE "1" - PLAN DETAIL 1 14|18



DOWNCHUTE "4" - PLAN DETAIL 4 14|18

D.E.P.
AUG 2 2 1994
SOUTHWEST DISTRICT
TAMPA



DOWNCHUTE "2" - PLAN DETAIL 2 14|18

REV	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: **DETAILS 1**

PROJECT TITLE: **SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E**

CLIENT: **HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA**

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
5072 N.E. 36th AVENUE, SUITE 700, TAMPA, FL 33609
PH. (813) 621-0080 FAX NO. (813) 621-4127

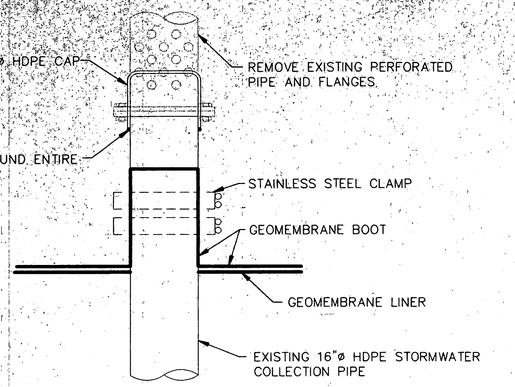
PROJ. NO.	DWN. BY	CHK. BY
09900018.04	VD/GRD	LER
DSN. BY	DRF. BY	RBG
LER/RDU	SJH	

CADD FILE: DET3

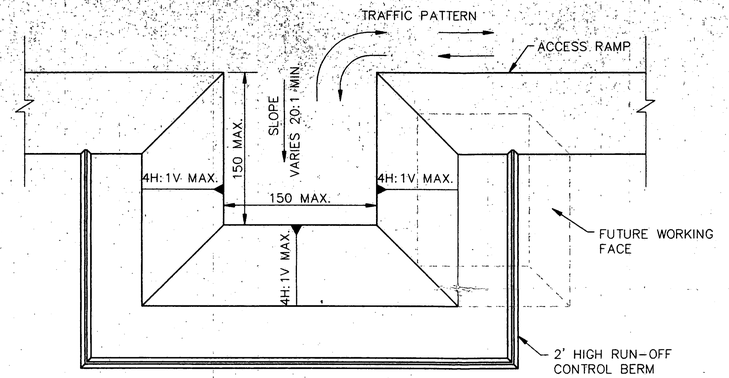
DATE: AUGUST 22, 1994

SCALE: 1"=20'

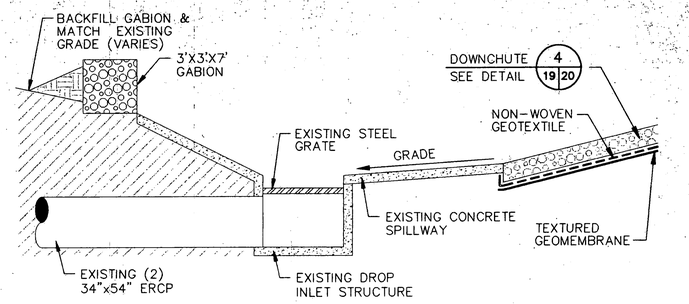
DRAWING NO.: **18** of 21



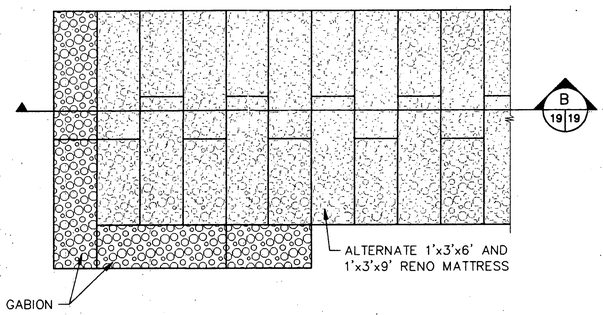
PHASES V AND VI STORMWATER DRAIN CAP (4 / 5 | 19)
NOT TO SCALE



TYPICAL WORKING FACE CELL PLAN (3 / 4 | 19)
NOT TO SCALE

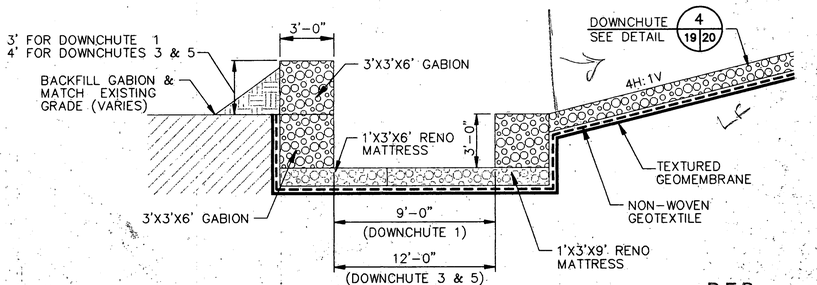


VELOCITY DISSIPATOR SECTION (A / 18 | 19)
NOT TO SCALE

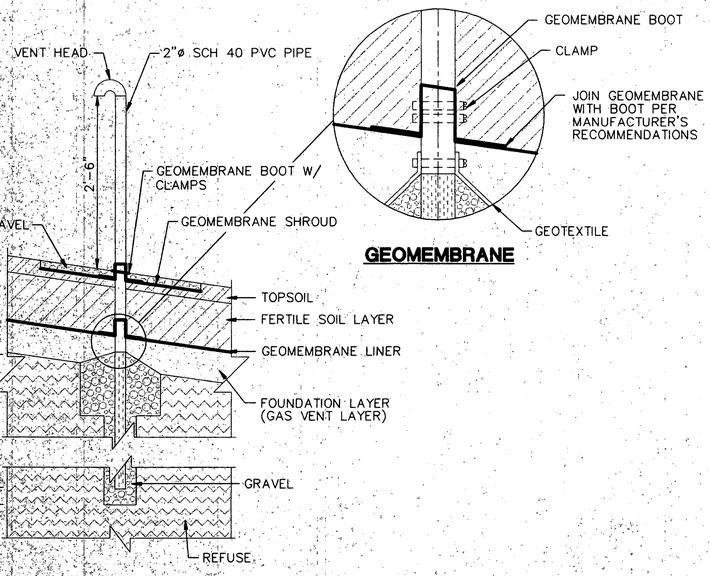


VELOCITY DISSIPATOR (1 / 18 | 19)
NOT TO SCALE

NOTE: VELOCITY DISSIPATOR DESIGN APPLIES TO DOWNCHUTES 1,3,4,& 5

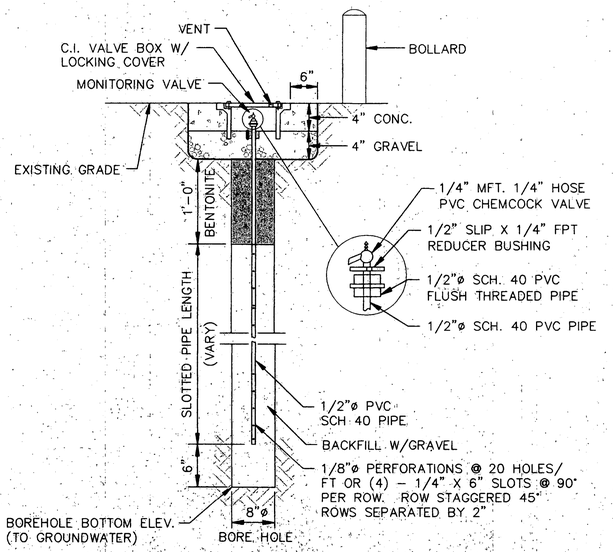


SECTION (B / 19 | 19)
NOT TO SCALE



GEOMEMBRANE

LANDFILL GAS VENT DETAIL (4 / 5 | 19)
NOT TO SCALE
10,13,14



LANDFILL GAS MONITORING WELL DETAIL (2 / 3 | 19)
NOT TO SCALE

D.E.P.
AUG 22 1994
SOUTHWEST TAMPA

CLIENT
HILLSBOROUGH COUNTY
DEPARTMENT OF SOLID WASTE
TAMPA, FLORIDA

REV	DATE	DESCRIPTION	CK. BY
1			
2			
3			
4			
5			

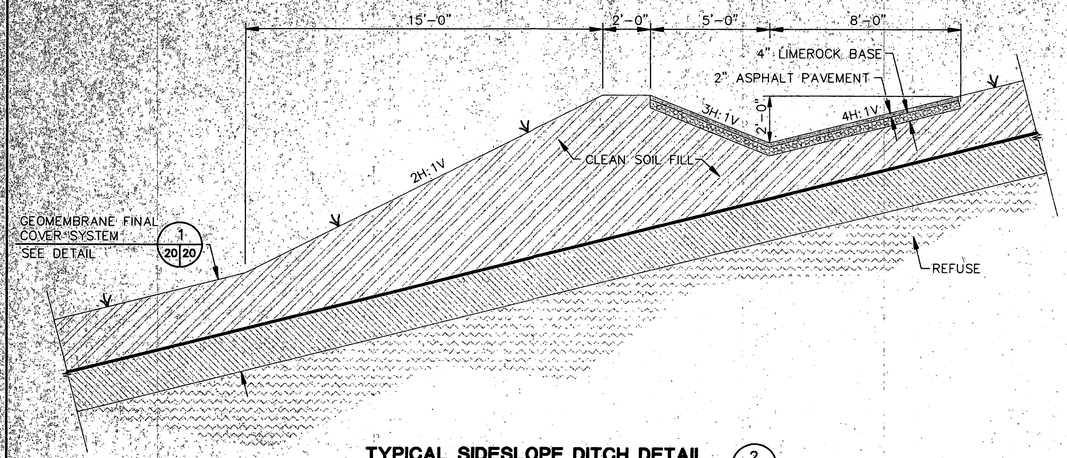
DRAWING TITLE: **DETAILS 2**

PROJECT TITLE
SOUTHEAST COUNTY LANDFILL
OPERATING SEQUENCE
PERMIT RENEWAL-APPENDIX E

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3012 US HWY. 301 NORTH, SUITE 700, TAMPA, FL. 33619
PH (813) 621-0080; FAX NO. (813) 623-0757

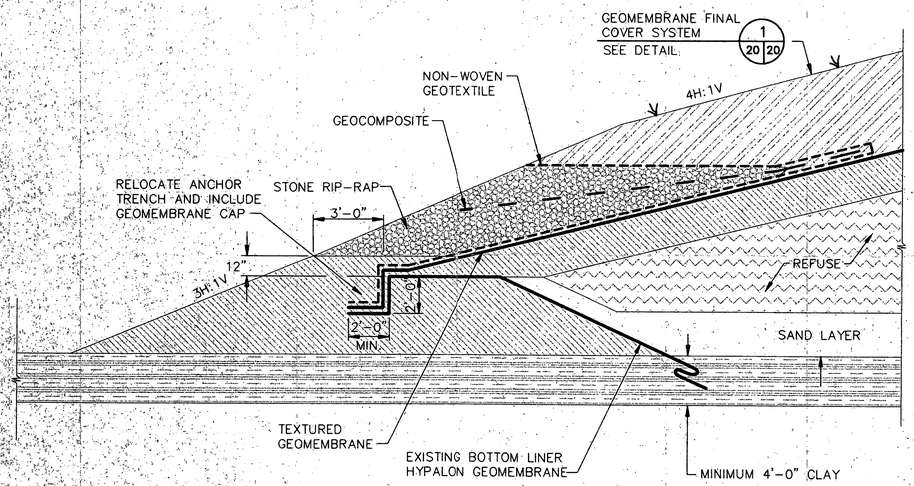
PROJECT NO.	DSN. BY	CHK. BY	DWG. BY	CHK. BY
01016.34	LER/ROU	LER	O/A RVS WH	JSP BC RBG

CADD FILE: DET2
DATE: AUGUST 22, 1994
SCALE: NOT TO SCALE
DRAWING NO.: 19 of 21



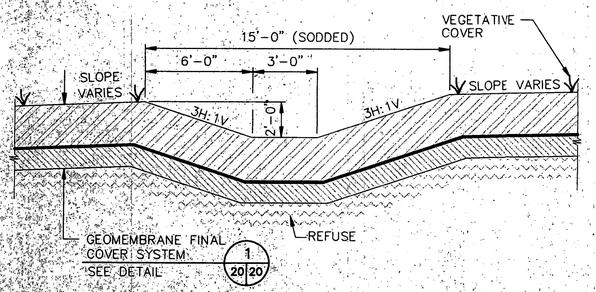
TYPICAL SIDESLOPE DITCH DETAIL 2 3 20

NOT TO SCALE



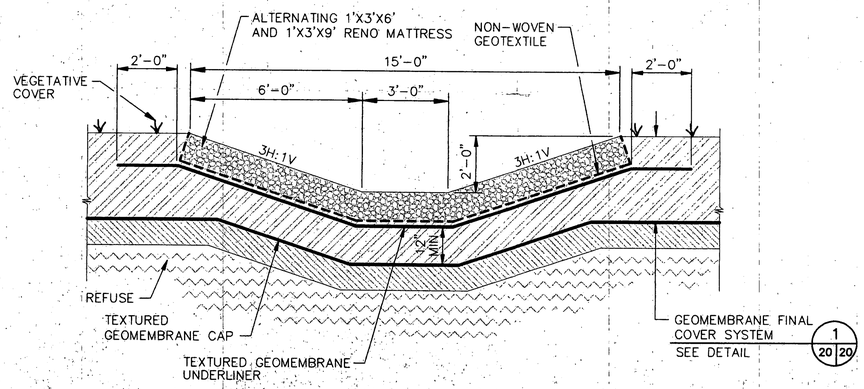
TYPICAL FINAL COVER TOE DRAIN DETAIL 3 3 20

NOT TO SCALE



TYPICAL TOP SLOPE DITCH DETAIL 5 3 20

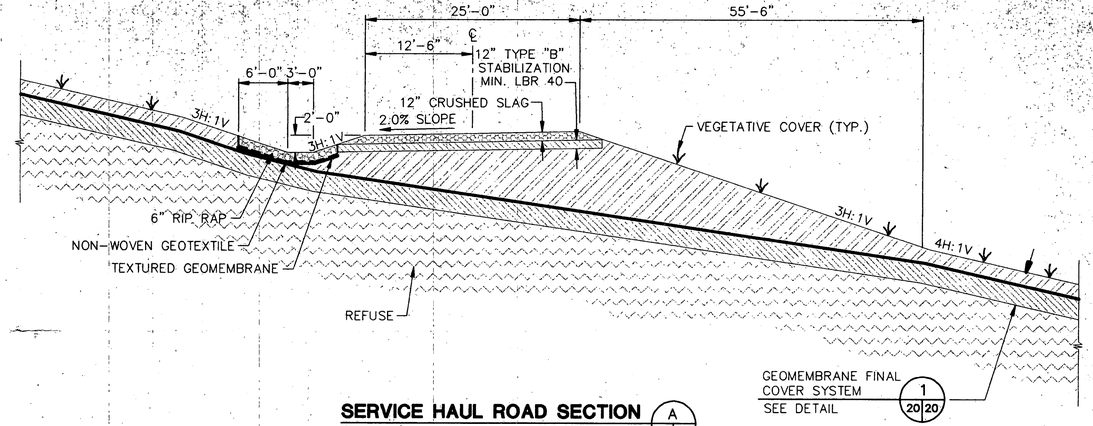
NOT TO SCALE



TYPICAL DOWNCHUTE DETAIL 4 18,19 / 20

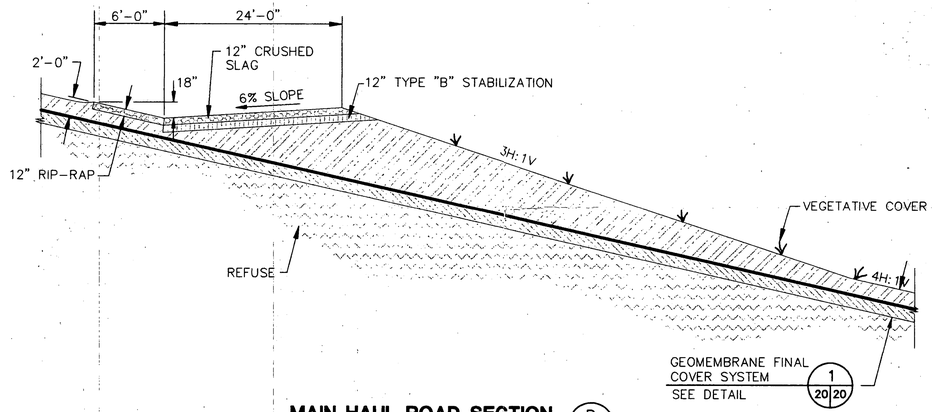
NOT TO SCALE

D.E.P.
AUG 2 2 1994
SOUTHWEST DISTRICT
TAMPA



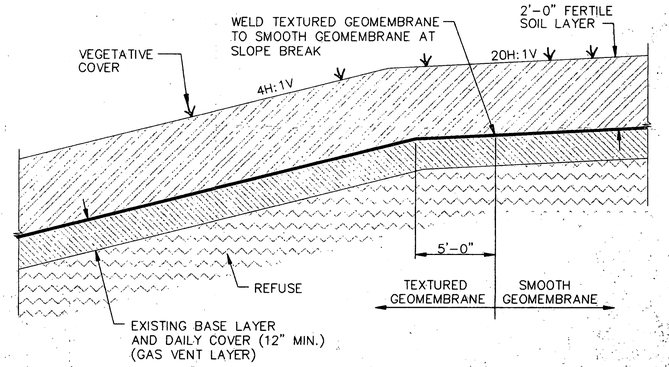
SERVICE HAUL ROAD SECTION A 14 20

NOT TO SCALE



MAIN HAUL ROAD SECTION B 14 20

NOT TO SCALE



NOTE: TEXTURED GEOMEMBRANE TO BE INSTALLED ON SLOPES EXCEEDING 20H:1V AND SMOOTH GEOMEMBRANE TO BE INSTALLED ON SLOPES LESS THAN OR EQUAL TO 20H:1V

TYPICAL GEOMEMBRANE FINAL COVER SYSTEM DETAIL 1 10,13,14 / 20

NOT TO SCALE

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: **DETAILS 3**

PROJECT TITLE: **SOUTHEAST COUNTY LANDFILL OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX E**

CLIENT: **HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA**

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
302 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 623-6757

PROJ. NO.	DWN. BY:	Q/A RVW BY:
09900818.34.	VD/GRD	SMH
DSN. BY:	CHK. BY:	APP. BY:
LER/ROU	LER	RBG

CADD FILE: DETAILS

DATE: AUGUST 22, 1994

SCALE: NOT TO SCALE

DRAWING NO.: **20** of **21**