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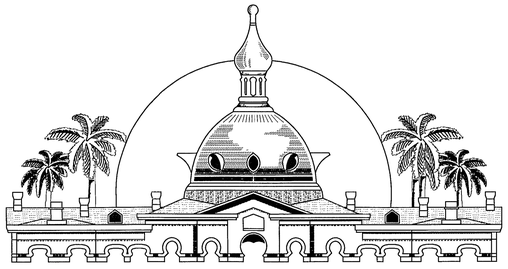
1560253 (1)

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION
SECTION 8 OPERATING SEQUENCE

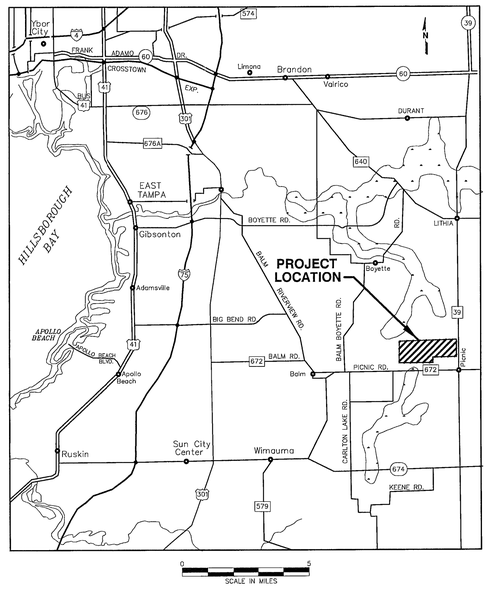
HILLSBOROUGH COUNTY SOLID WASTE MANAGEMENT DEPARTMENT

TAMPA, FLORIDA



BOARD OF COUNTY COMMISSIONERS

KATHY CASTOR, Commissioner
KEN HAGAN, Commissioner
THOMAS SCOTT, Commissioner
RONDA STORMS, Commissioner
JIM NORMAN, Commissioner
BRIAN BLAIR, Commissioner
MARK SHARPE, Commissioner



LOCATION MAP

DRAWING NO.	DRAWING TITLE
1	COVER SHEET
2	FACILITY SITE PLAN AND EXSITING TOPOGRAPHY
3	INITIAL LIFT SEQUENCING PLAN
4	LIFT 1 FILL SEQUENCING PLAN
5	LIFT 2 FILL SEQUENCING PLAN
6	LIFT 3 FILL SEQUENCING PLAN
7	SECTIONS - 1
8	SECTIONS - 2
9	DETAILS - 1
10	DETAILS - 2
11	DETAILS - 3

NOTE:

THESE OPERATIONAL DRAWINGS WERE DESIGNED BY SCS ENGINEERS FOR USE OF THE SWMD DURING OPERATIONS OF THE FACILITY. JONES EDMUNDS HAS ADDED NOTES OR CLARIFICATIONS TO THESE DRAWINGS BASED UPON COMMENTS RECEIVED FROM FDEP. JONES EDMUNDS HAS IDENTIFIED THE ITEMS MODIFIED FROM THE ORIGINAL DRAWINGS BUT HAS NOT ALTERED THE ORIGINAL DESIGN.

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

CERTIFICATE OF AUTHORIZATION #1841

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 27 2006
SOUTHWEST DISTRICT TAMPA

REVISED APRIL 2006 JONES EDMUNDS
ORIGINAL DECEMBER 2005 JONES EDMUNDS
ORIGINAL AUGUST 2005 (SCS ENGINEERS)

JOSEPH W. WILLIAMS
No. 47680
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Section 8 - Op Seq. +

FILE

Edited: 01/26/06 13:24 JWilliams N:\08449 Hillsborough County\020-SELF Section 8\Contract Drawings\Incoming Contract Dwgs from Tampa on Jan. 4, 2006\08449020-01.dwg Plotted: 4/26/06 12:08pm RDemint

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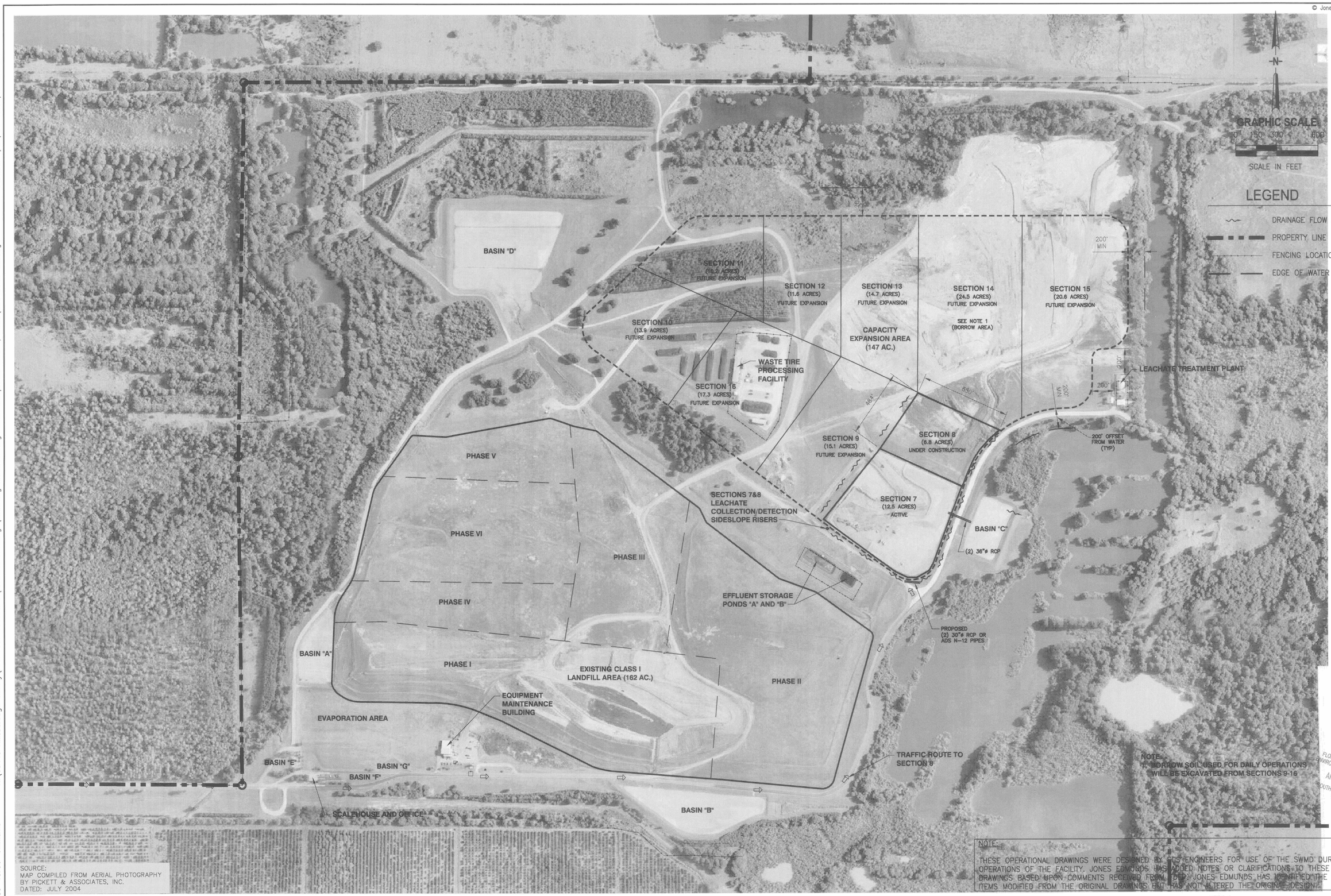
(2)



SOURCE:
MAP COMPILED FROM AERIAL PHOTOGRAPHY BY PICKETT & ASSOCIATES, INC.
DATED: JULY 2004

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 27 2006
SOUTHWEST DISTRICT TAMPA

NOTE:
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LTR.	DATE	REVISIONS	BY	APPRD.

DESIGNED JHO
DRAWN PEU
CHECKED JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION SECTION 8 OPERATING SEQUENCE
HILLSBOROUGH COUNTY, FLORIDA

FACILITY SITE PLAN AND EXISTING TOPOGRAPHY

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY:
JOSEPH H. O'NEILL
P.E. # 52049

DATE: DEC 2005
PROJECT NO.: 08449-020-01
SCALE: 1"=300'
DWG. NO.: 2

Edited: 01/26/06 15:50 JWilliams N:\08449 Hillsborough County\020-SELF Section 8\Contract Drawings\Incoming Contract Dwgs from Tampa on Jan. 4, 2006\08449020-02.dwg Plotted: 4/26/06 12:02pm RDemint

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SECTION 16 (FUTURE EXPANSION)

WTPF

SECTION 13 (FUTURE EXPANSION)

W.E. 134.7

SECTION 14 (FUTURE EXPANSION)

W.E. 131.5

SECTION 15 (FUTURE EXPANSION)

SECTION 9 (FUTURE EXPANSION)

SECTION 8

SECTION 7

APPROXIMATE SECTION BOUNDARIES

12"ø STEEL PIPE INV.= 135.75

3-12"ø STEEL PIPES W INV.= 131.00 E INV.= 131.00

EXISTING 24"ø STEEL PIPE

SERVICE ACCESS RAMP (SEE NOTE 2)

REMOVE RAINTARP ON SIDESLOPES PRIOR TO FILLING

TYPICAL PERIMETER WASTE LIMITS (SEE DETAIL 2/3|1)

SEDIMENTATION BASIN

TYPICAL INTERIOR STORMWATER SEPARATION BERM (SEE DETAIL)

EXIST PIPE CLEANOUT (TYP. OF 5) (SEE DETAIL 4/3|1)

SECTION 7/8 PIPE PENETRATION IMPROVEMENTS (TYP OF 3) SEE DETAIL 5/3|1

TH-62

TH-63

TH-64

TH-61

TH-59

TH-60

20:1

4H:1V

150.8 CREST

GRADE TO DRAIN

COLLECTION TRENCH

TEMP. SECTION 8 ACCESS ROAD (SEE DETAIL 3/3|1)

TYP. SECTION 7/8 LEACHATE PIPE CONNECTION AND CROSS AIR BALL PLUG (SEE DETAIL 1/3|1) (NORMALLY CLOSED) REMOVE PRIOR TO WASTE PLACEMENT CELL "A1")

PIPE CLOSED

TYPICAL PUMP INTAKE (SEE DETAIL 1/3|3)

RAINTARP ON SIDESLOPES

NORTH STORMWATER DIVERSION SWALE OVERFLOW

PUMP STORMWATER TO PERIMETER DITCH IF RUNOFF HAS NOT CONTACTED WASTE MATERIAL; IF RUNOFF HAS CONTACTED WASTE, THEN RUNOFF IS CONSIDERED LEACHATE DO NOT PUMP & ALLOW TO PERCOLATE INTO LEACHATE COLLECTION SYSTEM

TEMPORARY MOBILE PUMP

PLACE HAY BALES AROUND PUMP INTAKES, PUMP STORMWATER INTO PERIMETER DITCH LEADING TO BASIN "C". IF TURBIDITY OR SEDIMENTATION IS OBSERVED IN THE PERIMETER DITCH, STOP PUMPING AND CHANGE HAY BALES)

EXISTING BASIN "C"

EXISTING 12"ø STEEL PIPE

EXISTING 19"X30" CMP

EXISTING 36"ø RCP

SECTIONS 7 & 8 LEACHATE COLLECTION/DETECTION SIDESLOPE RISERS

EFFLUENT STORAGE POND "B"

EFFLUENT STORAGE POND "A"

MAIN LEACHATE PUMP STATION

LIFT STA.

N 1252112.80
E 600566.49
ELEV. 147.71'

N 1251605.47
E 598143.09
ELEV. 137.89'

N 1251577.06 obs
E 599897.11
ELEV. 134.80'

N 1250855.01
E 598998.67
ELEV. 137.57'

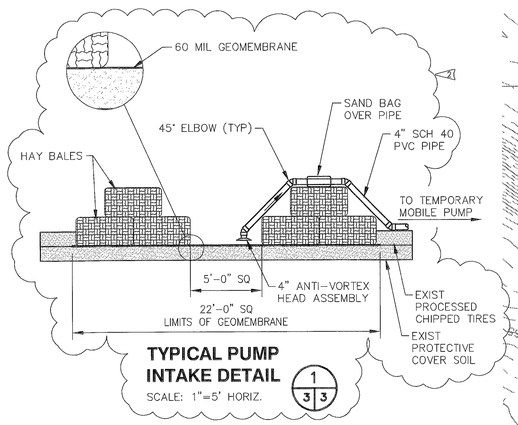
GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1"=100'

NOTES:

1. SEE DETAIL 4 ON DRAWING NO. 10 FOR TYPICAL WORKING FACE FOR ALL LIFTS.
2. TO BE USED ONLY WHEN SECTION 9 IS UNDER CONSTRUCTION OR AS NECESSARY TO MAINTAIN ACCESS TO SECTION 8.
3. THE EXISTING TOPOGRAPHY WAS TAKEN FROM THE SURVEY BY PICKETT & ASSOCIATES DATED JANUARY 18, 2005.

LEGEND

- CELL LIMITS
- FILL PROGRESSION (SEE NOTE 1)
- (A) CELL DESIGNATION
- TRAFFIC DIRECTION
- RUNOFF FLOW DIRECTION
- TH-62 PROPOSED MONITORING WELL
- TH-59 EXIST. MONITORING WELL



TYPICAL PUMP INTAKE DETAIL (1/3|3)
SCALE: 1"=5' HORIZ.

NOTE:

THESE OPERATIONAL DRAWINGS WERE DESIGNED BY SCS ENGINEERS FOR USE OF THE SWMD DURING OPERATIONS OF THE FACILITY. JONES EDMUNDS HAS ADDED NOTES OR CLARIFICATIONS TO THESE DRAWINGS BASED UPON COMMENTS RECEIVED FROM FDEP. JONES EDMUNDS HAS IDENTIFIED THE ITEMS MODIFIED FROM THE ORIGINAL DRAWINGS BUT HAS NOT ALTERED THE ORIGINAL DESIGN.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 27 2006
SOUTHWEST DISTRICT TAMPA

LTR.	DATE	REVISIONS	BY	APPRD.
4	4/14/06	RAI NO. 3 – PUMP INTAKE AND DITCH	JHO	
3	3/30/06	RAI NO. 2	JHO	
2	9/30/05	RAI NO. 1 (BY SCS)		

DESIGNED JHO
DRAWN PEU
CHECKED JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION SECTION 8 OPERATING SEQUENCE
HILLSBOROUGH COUNTY, FLORIDA

INITIAL LIFT SEQUENCING PLAN

CERTIFICATE OF AUTHORIZATION 0041
APPROVED BY
JOSEPH H. JOHNSTON
P.E. # 52049 STATE OF FLORIDA

DATE	PROJECT NO.
DEC 2005	08449-020-01
SCALE	DWG. NO.
1"=100'	3

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(4)

SECTION 16 (FUTURE EXPANSION)

WTPF

SECTION 13 (FUTURE EXPANSION)

W.E. 134.7

SECTION 14 (FUTURE EXPANSION)

BORROW AREA 131.5

12"ø STEEL PIPE INV = 135.75

3-12"ø STEEL PIPES W INV = 131.00 E INV = 131.00

EXISTING 24"ø STEEL PIPE

SERVICE ACCESS RAMP (SEE NOTE 2)

SECTION 15 (FUTURE EXPANSION)

SEDIMENTATION BASIN

TH-63

SECTION 9 (FUTURE EXPANSION)

SECTION 7/8 PIPE PENETRATION IMPROVEMENTS (TYP OF 3) SEE DETAIL 5 / 4 9

TH-62

GRADE TO DRAIN

4H:1V

COLLECTOR TRENCH

A

20:1 156' CREST

SECTION 8

B

20:1

C

REMOVE RAINTARP ON SIDESLOPES PRIOR TO FILLING

TH-1664

NORTH STORMWATER DIVERSION SWALE OVERFLOW

N 1252112.80
E 600566.49
ELEV. 147.71'

GRAPHIC SCALE
50 0 50 100 200
SCALE IN FEET
1" = 100'

TYP. SECTION 8 TEMPORARY ACCESS ROAD 3 / 4 11 SEE DETAIL

TH-59

SEE NOTE 4

TYP. SECTION 7/8 LEACHATE COLLECTION PIPE AND LCRS AIR BALL PLUG 1 / 4 11 SEE DETAIL (NORMALLY CLOSED) REMOVE PRIOR TO WASTE PLACEMENT CELL "B"

N 1251605.47
E 598143.09
ELEV. 137.89'

EXISTING 12"ø STEEL PIPE

TH-60

LCRS AIR BALL PLUGS NORMALLY CLOSED REMOVE PRIOR TO WASTE PLACEMENT CELL "C"

TYPICAL PERIMETER WASTE LIMITS SEE DETAIL 2 / 4 9

N 1251577.06 obs
E 599697.11
ELEV. 138.80'

GRADE SWALE TO FLOW INTO DOWNCHUTE

SECTION 7

EXISTING 19"X30" CMP

SECTIONS 7 & 8 LEACHATE COLLECTION/DETECTION SIDESLOPE RISERS

TH-64

EXISTING BASIN "C"

2-EXISTING 38"ø RCP

EFFLUENT STORAGE POND "B"

MP-S1

MAIN LEACHATE PUMP STATION

EFFLUENT STORAGE POND "A"

TH-61

N 1250855.01
E 598998.67
ELEV. 137.57' obs

W.E. 120.8

NOTES:

1. SEE DETAIL 4 ON DRAWING NO. 10 FOR TYPICAL WORKING FACE FOR ALL LIFTS.
2. TO BE USED ONLY WHEN SECTION 9 IS UNDER CONSTRUCTION OR AS NECESSARY TO MAINTAIN ACCESS TO SECTION 8.
3. THE EXISTING TOPOGRAPHY WAS TAKEN FROM THE SURVEY BY PICKETT & ASSOCIATES DATED JANUARY 18, 2005.
4. MONITOR AREA FOR EROSION. USE TEMPORARY EROSION CONTROL BLANKETS OR SOD TO STABILIZE.
5. IF DURING FILLING CELLS A, B AND C WASTE PLACEMENT IS TO CEASE COVER WASTE WITH A MIN. OF 6 INCHES (18 INCHES IF OVER 180 DAYS) AND GRADE (1.0% MIN) TO PROMOTE RUNOFF.

LEGEND

- CELL LIMITS
- FILL PROGRESSION (SEE NOTE 1)
- (A) CELL DESIGNATION
- TRAFFIC DIRECTION
- RUNOFF FLOW DIRECTION

TIME TO FILL
CELLS A, B AND C
176,000 CY
APPROXIMATELY 2.5 MONTHS
(CONTINUOUS FILLING)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 27 2006
SOUTHWEST DISTRICT TAMPA

NOTE:
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LTR.	DATE	REVISIONS	BY	APPRD.
4	4/14/06	RAI NO. 3 – SECTION 7/8 BERM, ADDED NOTES	JHO	
3	3/30/06	RAI NO. 2	JHO	
2	9/30/05	RAI NO. 1 (BY SCS)		

DESIGNED JHO
DRAWN PEU
CHECKED JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION SECTION 8 OPERATING SEQUENCE
HILLSBOROUGH COUNTY, FLORIDA

LIFT 1 FILL SEQUENCING PLAN

CERTIFICATE OF AUTHORIZATION 00841
APPROVED BY JOSEPH H. O'NEILL P.E. # 52049

DATE DEC 2005
PROJECT NO. 08449-020-01
SCALE 1"=100'
DWG. NO. 4

Edited: 01/26/06 13:26 JWilliams N:\08449 Hillsborough County\020-SELF Section 8\Contract Drawings\Incoming Contract Dwgs from Tampa on Jan. 4, 2006\08449020-04.dwg Plotted: 4/26/06 2:46pm RDennitt

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(5)

Plotted: 4/26/06 3:00pm RDemint
N:\08449 Hillsborough County\020-SELF Section 8\Contract Drawings\Incoming Contract Dwgs from Tampa on Jan. 4, 2006\08449020-05.dwg
Edited: 01/26/06 16:04 JWilliams

SECTION 16 (FUTURE EXPANSION)

WTPF

SECTION 9 (FUTURE EXPANSION)

SECTION 10 (FUTURE EXPANSION)

W.E. 134.7

12"ø STEEL PIPE INV = 135.75

2-12"ø STEEL PIPES W INV = 131.00 E INV = 131.00

W.E. SECTION 14 (FUTURE EXPANSION)

EXISTING 24"ø STEEL PIPE

SERVICE ACCESS RAMP (SEE NOTE 2)

SECTION 15 (FUTURE EXPANSION)

SEDIMENTATION BASIN

TH-63

1 5.6 5 SEE DETAIL — ARMORED SWALE

RIPRAP OR BROKEN CONCRETE 6" (MIN) 18"–24" THICK, GRADE SMOOTH TRANSITION AROUND CORNER

TH-62

W.E. 128.1

W.E. 127.8

SECTION D

TYPICAL TEMPORARY DOWNCHUTE SEE DETAIL 5 5|10

NORTH STORMWATER DIVERSION SWALE OVERFLOW

N 1252112.80
E 600566.49
ELEV. 147.71'

W.E 120.

GRAPHIC SCALE 50 100 200
SCALE IN FEET 1"=100'

TEMPORARY SIDE SLOPE STORMWATER SWALE SEE DETAIL

N 1251577.06 obs
E 593697.11
ELEV. 134.80'

W.E. 120.8

3 5|11 TYP. SECTION 8 TEMPORARY ACCESS ROAD SEE DETAIL

TH-59

N 1251605.47
E 592143.09
ELEV. 137.89'

EXISTING 12"ø STEEL PIPE

TH-60

SECTION 7

EXISTING 19"X30" CMP

SECTIONS 7 & 8 LEACHATE COLLECTION/DETECTION SIDESLOPE RISERS

TYPICAL SECTION TEMPORARY ACCESS ROAD (SLOPE = 10% MAX) SEE DETAIL

GRADE SWALE TO FLOW INTO DOWNCHUTE

TH-64

EXISTING BASIN "C"

2-EXISTING 36"ø RCP

EFFLUENT STORAGE POND "B"

MAIN LEACHATE PUMP STATION

EFFLUENT STORAGE POND "A"

TH-61 JUNCTION BOX (FDOT INDEX 201)

12" THICK SHELL ROCK ROAD

N 1250855.01
E 593898.67

2-110 LF 30"ø RCP (CLASS III) OR 2-30"ø ADS N-12 PIPES WITH 45° WINGED HEADWALLS PER FDOT INDEX NO. 266 (FOR PIPE INSTALLATION SEE DETAIL 5 ON DRAWING 11)

TIME TO FILL CELLS D, E AND F 160,000 CY APPROXIMATELY 2 MONTHS (CONTINUOUS FILLING)

W.E. 120.8

NOTES:

1. SEE DETAIL 4 ON DRAWING NO. 10 FOR TYPICAL WORKING FACE FOR ALL LIFTS.
2. TO BE USED ONLY WHEN SECTION 9 IS UNDER CONSTRUCTION OR AS NECESSARY TO MAINTAIN ACCESS TO SECTION 8.
3. THE EXISTING TOPOGRAPHY WAS TAKEN FROM THE SURVEY BY PICKETT & ASSOCIATES DATED JANUARY 18, 2005.
4. MONITOR AREA FOR EROSION. USE TEMPORARY EROSION CONTROL BLANKETS OR SOD TO STABILIZE.
5. IF DURING FILLING CELLS D, E AND F WASTE PLACEMENT IS TO CEASE COVER WASTE WITH A MIN OF 6 INCHES (18 INCHES IF OVER 180 DAYS) AND GRADE (1.0% MIN) TO PROMOTE RUNOFF.

LEGEND

- CELL LIMITS
- FILL PROGRESSION (SEE NOTE 1)
- (A) CELL DESIGNATION
- TRAFFIC DIRECTION
- RUNOFF FLOW DIRECTION

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION APR 27 2006 SOUTHWEST DISTRICT TAMPA

NOTE:
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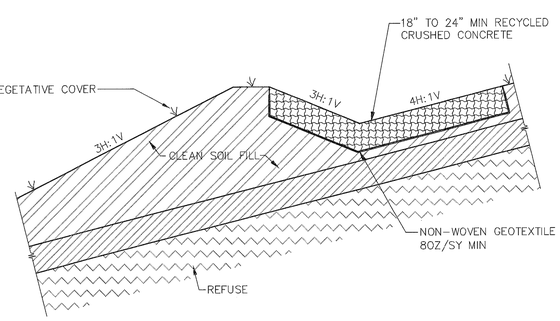

ARMORED SWALE DETAIL
NTS

LTR.	DATE	REVISIONS	BY	APPRD.
4	4/14/06	RAI NO. 3	JHO	
3	1/30/06	RAI NO. 2	JHO	
2	9/30/05	RAI NO. 1 (BY SCS)		

DESIGNED JHO
DRAWN PEU
CHECKED JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION SECTION 8 OPERATING SEQUENCE
HILLSBOROUGH COUNTY, FLORIDA

LIFT 2 FILL SEQUENCING PLAN

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
JOSEPH H. O'NEIL Jr.
P.E. # 52049 STATE OF FLORIDA

DATE	PROJECT NO.
DEC 2005	08449-020-01
SCALE	DWG. NO.
1"=100'	5

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(FUTURE EXPANSION)

SECTION 16 (FUTURE EXPANSION)

WTFF

SECTION 9 (FUTURE EXPANSION)

SECTION 13 (FUTURE EXPANSION)

W.E. 134.7

12"ø STEEL PIPE INV.= 135.75

3-12"ø STEEL PIPES W INV.= 131.00 E INV.= 131.00

SERVICE ACCESS RAMP 136.5 (SEE NOTE 2)

SECTION 14 (FUTURE EXPANSION)

EXISTING 24"ø STEEL PIPE

SECTION 15 (FUTURE EXPANSION)

SEDIMENTATION BASIN

GRAPHIC SCALE
0 50 100 200
SCALE IN FEET
1" = 100'

N 1252112.80
E 600566.49
ELEV. 147.71'

NORTH STORMWATER DIVERSION SWALE OVERFLOW

TH-63

1 6|5 ARMORED SWALE SEE DETAIL

I.E.= 164.00

RIPRAP OR BROKEN CONCRETE 6" (MIN) 18"-24" THICK, GRADE SMOOTH TRANSITION AROUND CORNER

TH-62

I.E.= 189.00

SCARIFY TO DRAIN

I.E.= 163.00

SECTION 8

I.E.= 188.00

TYPICAL TEMPORARY DOWNCHUTE SEE DETAIL 5 6|10

TEMPORARY TOP SLOPE STORMWATER SWALE SEE DETAIL 1 6|10

TH-64

I.E.= 164.00

G 5|8

N 1251577.06 obs
E 599697.11
ELEV. 134.80'

TH-59

N 1251605.47
E 598143.09
ELEV. 137.89'

I.E.= 166.00

SEE NOTE 4.

I.E.= 191.00

TH-60

EXISTING 12"ø STEEL PIPE

EXISTING 19"X30" CMP

SECTIONS 7 & 8 LEACHATE COLLECTION/DETECTION SIDESLOPE RISERS

SECTION 7

I.E.= 188.00

I.E.= 163.00

TYPICAL SECTION 7 TEMPORARY ACCESS ROAD (SLOPE= 10% MAX.) SEE DETAIL 3 6|10

GRADE SWALES TO FLOW INTO DOWNCHUTE

EXISTING BASIN "C"

TH-64

2-EXISTING 36"ø RCP

EFFLUENT STORAGE POND "B"

MAIN LEACHATE PUMP STATION

EFFLUENT STORAGE POND "A"

TH-61

N 1250855.01
E 598998.67
ELEV. 137.57'

12" THICK SHELL ROCK ROAD

TIME TO FILL CELL G 110,000 CY APPROXIMATELY 1.5 MONTHS (CONTINUOUS FILLING)

NOTES:

1. SEE DETAIL 4 ON DRAWING NO. 10 FOR TYPICAL WORKING FACE FOR ALL LIFTS.
2. TO BE USED ONLY WHEN SECTION 9 IS UNDER CONSTRUCTION OR AS NECESSARY TO MAINTAIN ACCESS TO SECTION 8.
3. THE EXISTING TOPOGRAPHY WAS TAKEN FROM THE SURVEY BY PICKETT & ASSOCIATES DATED JANUARY 18, 2005.
4. MONITOR AREA FOR EROSION. USE TEMPORARY EROSION CONTROL BLANKETS OR SOD TO STABILIZE.
5. IF DURING FILLING CELL G WASTE PLACEMENT IS TO CEASE COVER WASTE WITH A MIN OF 6 INCHES (18 INCHES IF OVER 180 DAYS) AND GRADE (1.0% MIN) TO PROMOTE RUNOFF.

LEGEND
- CELL LIMITS
- FILL PROGRESSION (SEE NOTE 1)
- (A) CELL DESIGNATION
- TRAFFIC DIRECTION
- RUNOFF FLOW DIRECTION

NOTE:
THESE OPERATIONAL DRAWINGS WERE DESIGNED BY SCS ENGINEERS FOR USE OF THE SWMD DURING OPERATIONS OF THE FACILITY. JONES EDMUNDS HAS ADDED NOTES OR CLARIFICATIONS TO THESE DRAWINGS BASED UPON COMMENTS RECEIVED FROM FDEP. JONES EDMUNDS HAS IDENTIFIED THE ITEMS MODIFIED FROM THE ORIGINAL DRAWINGS BUT HAS NOT ALTERED THE ORIGINAL DESIGN.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 27 2006
SOUTHWEST DISTRICT TAMPA

LTR.	DATE	REVISIONS	BY	APPRD.
2	4/14/06	RAI NO. 3 – DITCH / EROSION	JHO	
1	1/30/06	RAI NO. 2	JHO	
0	9/30/05	RAI NO. 1 (BY SCS)		

DESIGNED JHO
DRAWN PEU
CHECKED JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION SECTION 8 OPERATING SEQUENCE
HILLSBOROUGH COUNTY, FLORIDA

LIFT 3 FILL SEQUENCE PLAN

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: JOSEPH H. JONES
P.E. # 52049
STATE OF FLORIDA

DATE	PROJECT NO.
DEC 2005	08449-020-01
SCALE	DWG. NO.
1"=100'	6

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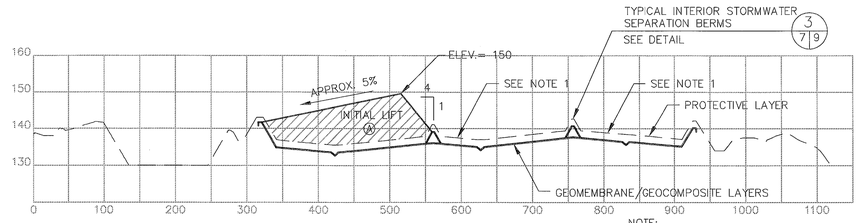
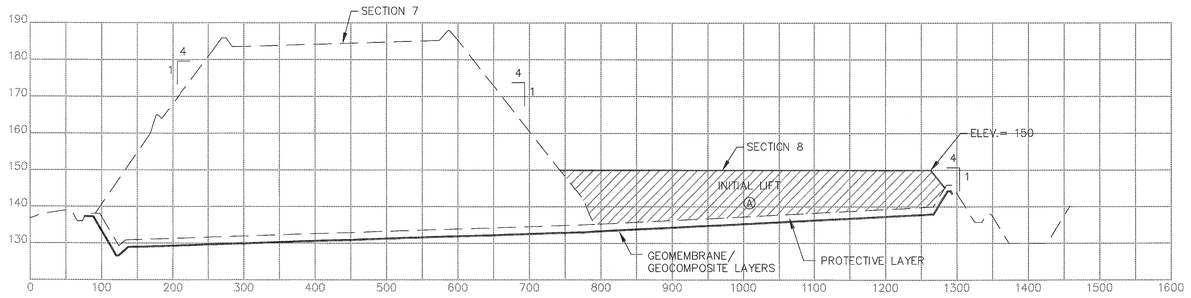
(7)



SECTION A (3 | 7)
SCALE: 1"=100' HORIZ.
SCALE: 1"=20' VERT.

NOTE:
1. STORMWATER RUNOFF IN THESE AREAS CAN BE PUMPED TO PERIMETER DITCH IF RUNOFF DOES NOT CONTACT WASTE MATERIAL. IF RUNOFF HAS CONTACTED WASTE MATERIAL THEN RUNOFF IS CONSIDERED LEACHATE AND SHOULD BE ALLOWED TO DRAIN IN TO LEACHATE COLLECTION SYSTEM.



SECTION B (3 | 7)
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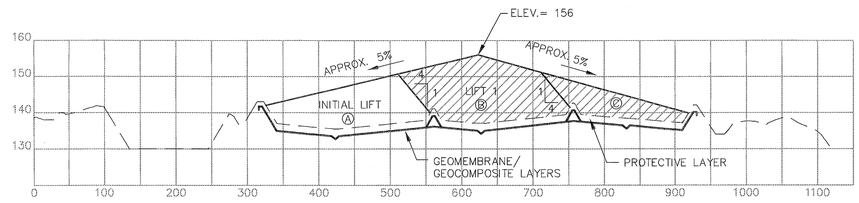

SECTION C (4 | 7)
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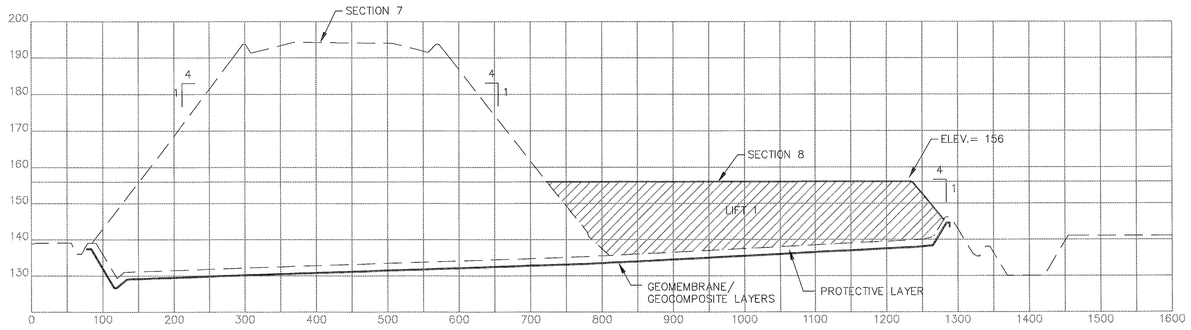

SECTION D (4 | 7)
SCALE: 1"=100' HORIZ.
SCALE: 1"=20' VERT.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 27 2006
SOUTHWEST DISTRICT
TAMPA

NOTE:

THESE OPERATIONAL DRAWINGS WERE DESIGNED BY SCS ENGINEERS FOR USE OF THE SWMD DURING OPERATIONS OF THE FACILITY. JONES EDMUNDS HAS ADDED NOTES OR CLARIFICATIONS TO THESE DRAWINGS BASED UPON COMMENTS RECEIVED FROM FDEP. JONES EDMUNDS HAS IDENTIFIED THE ITEMS MODIFIED FROM THE ORIGINAL DRAWINGS BUT HAS NOT ALTERED THE ORIGINAL DESIGN.

LTR.	DATE	REVISIONS	BY	APPRD.
	9/30/05	RAI NO. 1 (BY SCS)		

DESIGNED JHO
DRAWN PEU
CHECKED JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION SECTION 8 OPERATING SEQUENCE
HILLSBOROUGH COUNTY, FLORIDA

SECTIONS - 1

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
JOSEPH H. O'NEILL
P.E. # 52649 STATE OF FLORIDA
PROFESSIONAL ENGINEER

DATE	PROJECT NO.
DEC 2005	08449-020-01
SCALE 1"= 100'H 1"= 20'V	DWG. NO. 7

Edited: 01/26/06 16:07 JWilliams N:\08449 Hillsborough County\020-SELF Section 8\Contract Drawings\Incoming Contract Dwgs from Tampa on Jan. 4, 2006\08449020-07.dwg Plotted: 4/26/06 2.55pm RDemint

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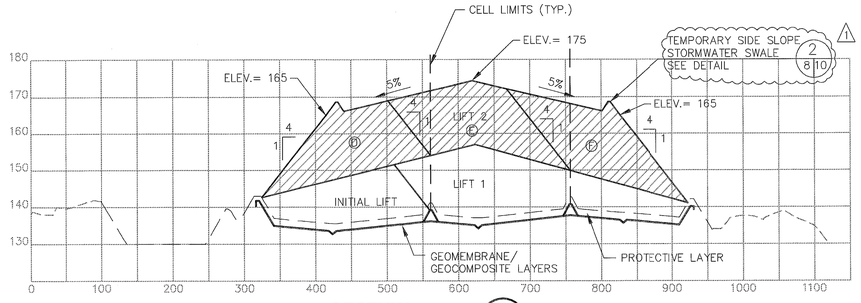

SECTION E (5|8)
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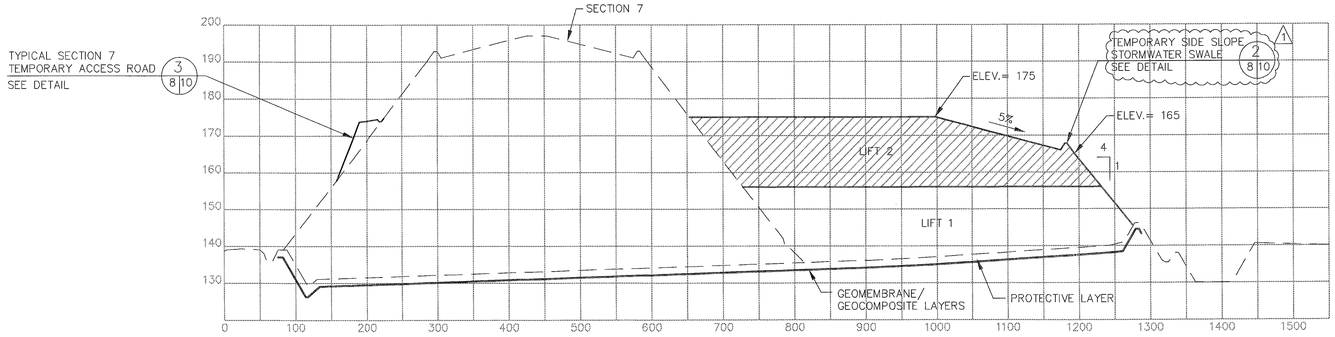
SCALE: 1"=20' VERT.



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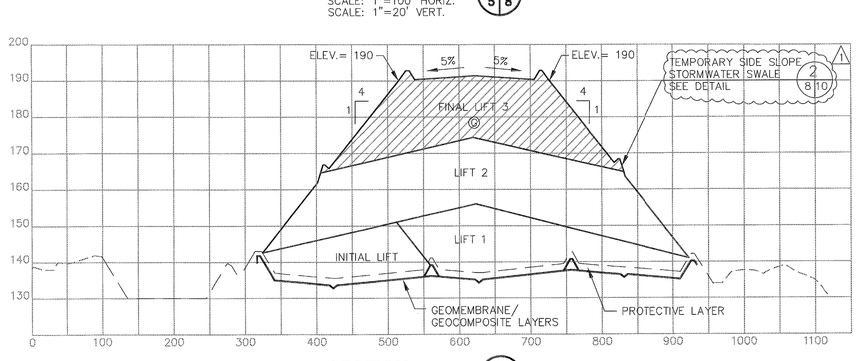

SECTION G (6|8)
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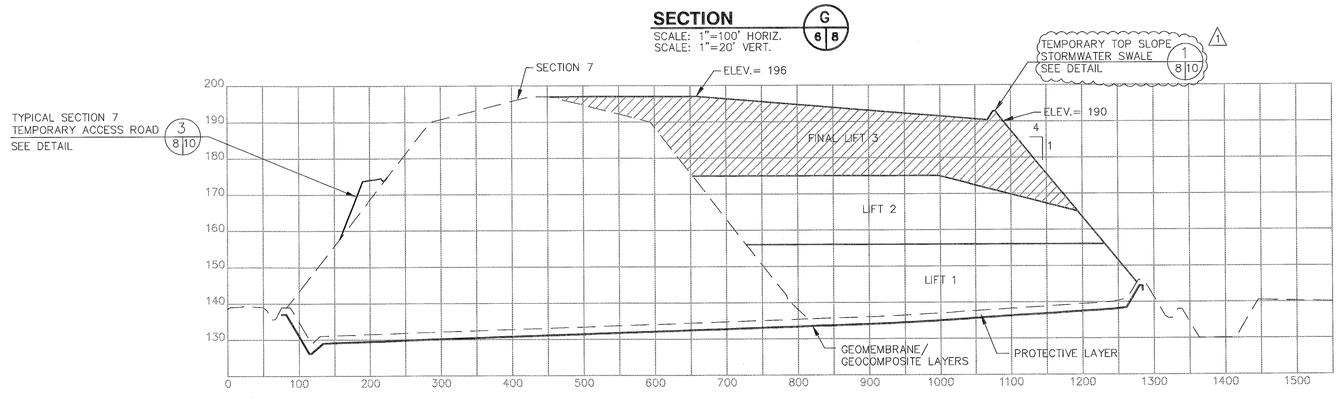
SCALE: 1"=20' VERT.



SECTION H (6|8)
SCALE: 1"=100' HORIZ.
SCALE: 1"=20' VERT.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 27 2006
SOUTHWEST DISTRICT TAMPA

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LTR.	DATE	REVISIONS	BY	APPRD.
1	4/14/06	RAI NO.3 SIDESLOPE TERRACE	JHO	
	9/30/05	RAI NO. 1 (BY SCS)		

DESIGNED JHO
DRAWN PEU
CHECKED JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION SECTION 8 OPERATING SEQUENCE
HILLSBOROUGH COUNTY, FLORIDA

SECTIONS - 1

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY:
JOSEPH H. O'NEIL
P.E. # 52049 STATE OF FLORIDA
4/14/06
DATE: DEC 2005
PROJECT NO.: 08449-020-01
SCALE: 1"= 100'H 1"= 20'V
DWG. NO.: 8

Edited: 01/26/06 13:30 JWilliams N:\08449 Hillsborough County\020-SELF Section 8\Contract Drawings\Incoming Contract Dwgs from Tampa on Jan. 4, 2006\08449020-08.dwg Plotted: 4/26/06 2:56pm RDemint

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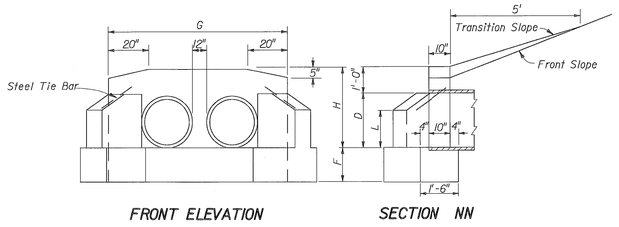


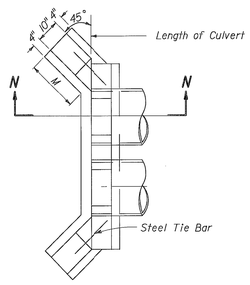
FRONT ELEVATION SECTION NN

TABLE OF DIMENSIONS AND ESTIMATED QUANTITIES

PIPE CULVERT ENDWALLS WITH 45 ° WINGS

	DIMENSIONS							QUANTITIES IN ONE ENDWALL			
	Opening		Wall				Footing	Concrete, Class I			Steel Tie Bars
								Total Cu. Yds.			
	D	Area Sq.Ft.	H	G	L	M	F	Conc. Pipe	C.M. Pipe	C.I. Pipe	
	18"	1.8	2'-6"	3'-10"	1'-2"	1'-7"	1'-3"	0.74	0.77	0.77	none
	24"	3.1	3'-0"	4'-4"	1'-5"	2'-1"	1'-4"	1.01	1.06	1.06	2 - ¾ø x 2'-0"
*	30"	4.9	3'-6"	8'-10"	1'-9"	2'-5"	1'-6"	2.17	-	-	2 - ¾ø x 2'-0"
	36"	7.1	4'-0"	5'-4"	2'-0"	2'-11"	1'-8"	1.72	1.83	1.82	2 - ¾ø x 3'-0"
	42"	9.6	4'-6"	5'-10"	2'-3"	3'-6"	2'-0"	2.34	2.47		2 - ¾ø x 3'-0"
	48"	12.6	5'-0"	6'-4"	2'-6"	4'-0"	2'-0"	2.74	2.90		2 - ¾ø x 3'-0"
	15"	1.2	2'-3"	3'-7"	1'-0"	1'-3"	1'-3"	0.56	0.59	0.59	none

* MODIFIED FOR MULTIPLE PIPE OPENINGS.



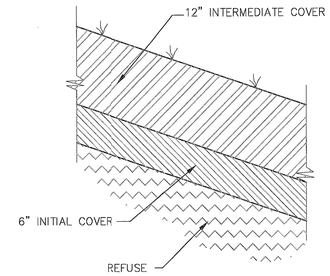
CONCRETE ENDWALL WITH 45 ° WINGS
FOR PIPE CULVERTS

PLAN

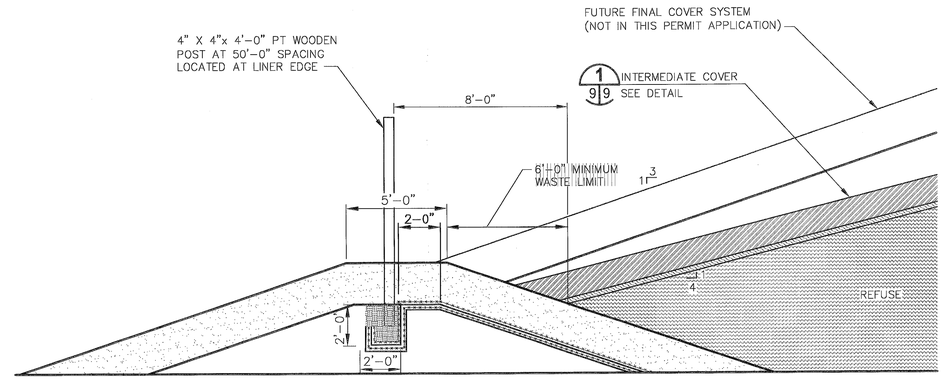
MODIFIED FDOT INDEX 266 PIPE HEADWALL 4 (5|9)
NTS

GENERAL NOTES

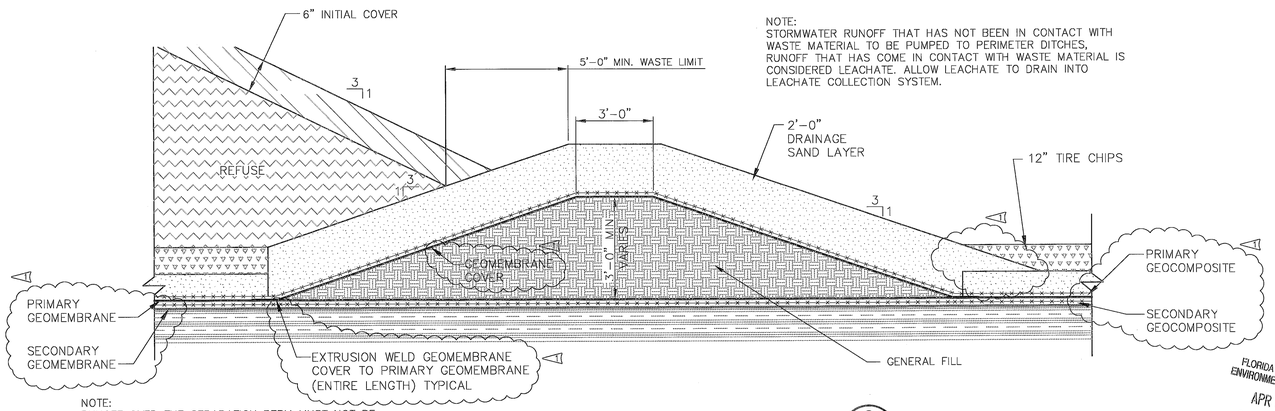
1. Chamfer all exposed edges ¾"
2. Concrete meeting the requirements of ASTM C-478 (4000 psi) may be used in lieu of Class I concrete in precast units manufactured in plants which are under the Standard Operating Procedures for the inspection of precast drainage products.
3. Endwall to be paid for under the contract unit price for Class I Concrete (Endwalls) CY. Cost of steel tie bars to be included in the contract unit price for Class I Concrete.
4. Sodding to be in accordance with Index No. 281, and paid for under the contract unit price for Sodding Sy.



INTERMEDIATE COVER DETAIL 1 (9.10|9)
1"=1'



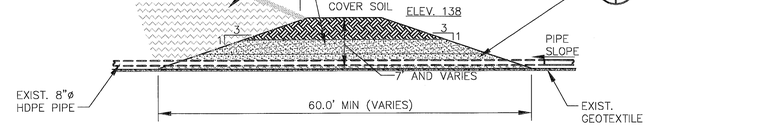
TYPICAL PERIMETER WASTE LIMITS 2 (3,4|9)
NTS



NOTE:
STORMWATER RUNOFF THAT HAS NOT BEEN IN CONTACT WITH WASTE MATERIAL TO BE PUMPED TO PERIMETER DITCHES, RUNOFF THAT HAS COME IN CONTACT WITH WASTE MATERIAL IS CONSIDERED LEACHATE. ALLOW LEACHATE TO DRAIN INTO LEACHATE COLLECTION SYSTEM.

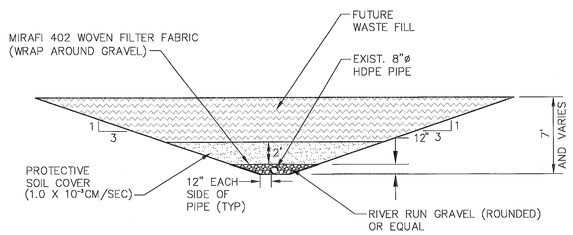
NOTE:
RUNOFF OVER THE SEPARATION BERM MUST NOT BE ALLOWED FROM AREAS WITHOUT INITIAL COVER

TYPICAL INTERIOR STORMWATER SEPARATION BERM 3 (3,7|9)
NTS



NOT TO SCALE

SECTION 7/8 PIPE PENETRATION IMPROVEMENT DETAIL 5 (3,4|9)
NTS



NOTE:
EXCAVATION TO BE MONITORED FOR LFG, H2S, O2, CO2 LEVELS.

NOT TO SCALE

GRAVEL PACK WRAP DETAIL 6 (9|9)
NTS

NOTE:

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 27 2006
SOUTHWEST DISTRICT TAMPA

LTR.	DATE	REVISIONS	BY	APPRD.
2	1/30/06	RAI NO. 2	JHO	
1	9/30/05	RAI NO. 1 (BY SCS)		

DESIGNED JHO
DRAWN PEU
CHECKED JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION SECTION 8 OPERATING SEQUENCE
HILLSBOROUGH COUNTY, FLORIDA

DETAILS - 1

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: JOSEPH H. O'NEIL
P.E. # 52049 STATE OF FLORIDA

DATE	PROJECT NO.
DEC 2005	08449-020-01
SCALE	DWG. NO.
AS NOTED	9

Edited: 01/26/06 16:10 JWilliams N:\08449 Hillsborough County\020-SELF Section 8\Contract Drawings\Incoming Co Plotted: 4/26/06 12:12pm RDemint

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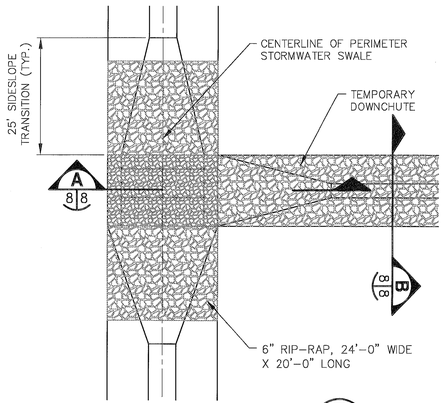
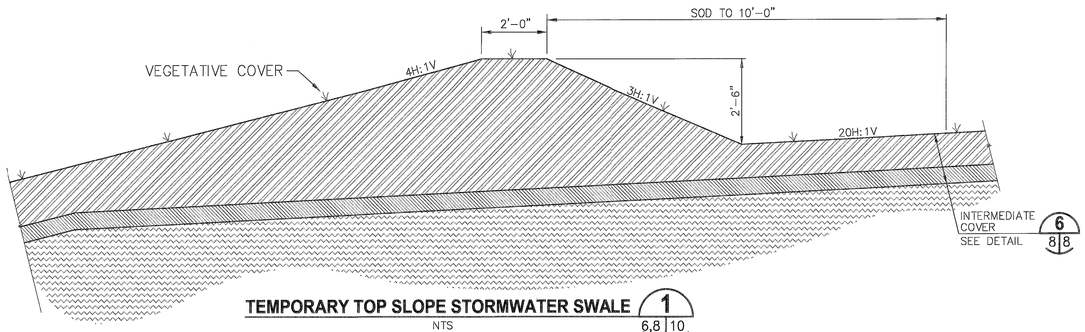
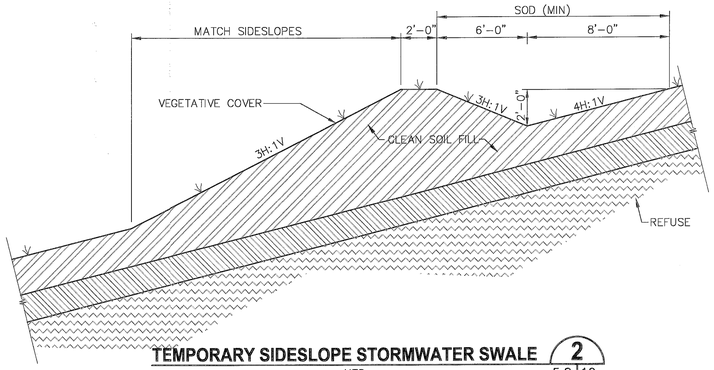


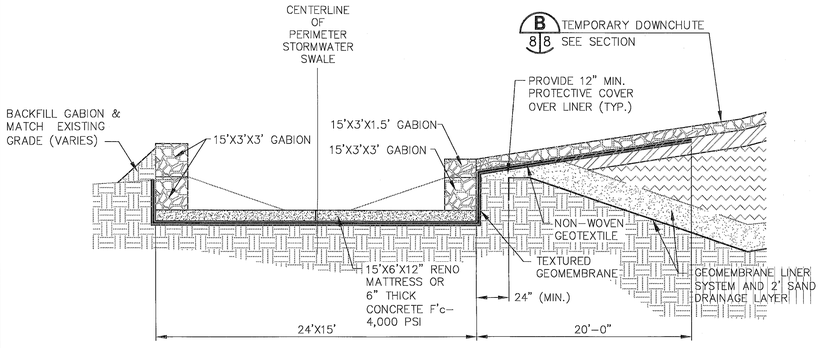
TEMPORARY DOWNCHUTE 5
NTS 5, 6, 10

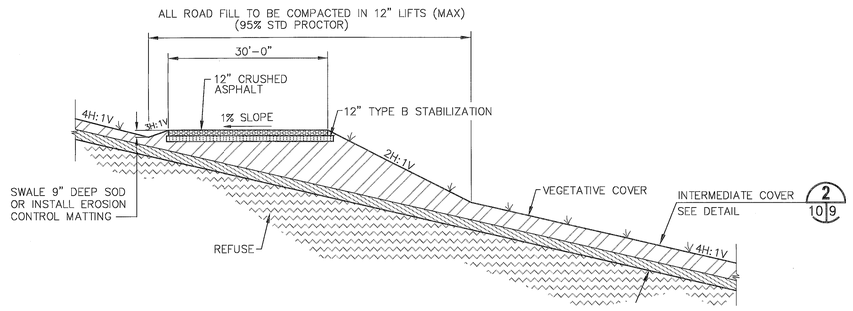


TEMPORARY TOP SLOPE STORMWATER SWALE 1
NTS 6,8 | 10

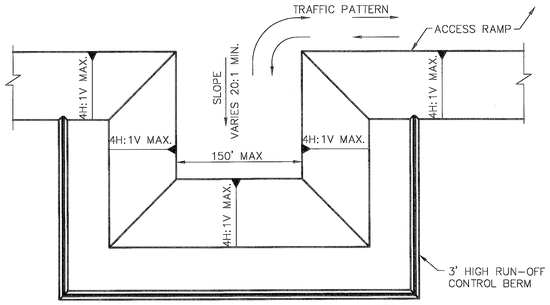


TEMPORARY SIDESLOPE STORMWATER SWALE 2
NTS 5,8 | 10



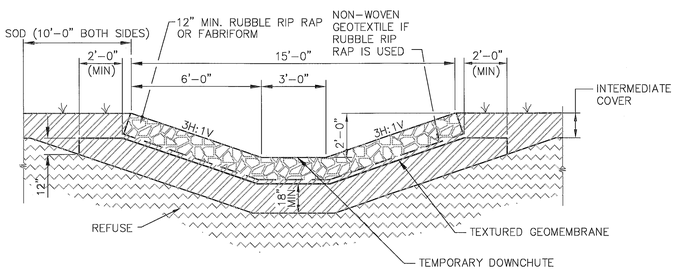


TYPICAL SECTION 7 ACCESS ROAD 3
NTS 5,6, 8 | 10



TYPICAL WORKING FACE DETAIL 4
NTS 3,4,5, 6 | 10

NOTE:
THE TYPICAL WORKING FACE DETAIL IS A GENERAL LAYOUT PLAN THAT MOVES WITHIN THE PROGRESSION OF THE FILLING



SECTION B
NTS 10 | 10

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 27 2006
SOUTHWEST DISTRICT TAMPA

NOTE:
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LTR.	DATE	REVISIONS	BY	APPRD.
1	1/30/06	RAI NO. 2	JHO	
0	9/30/05	RAI NO. 1 (BY SCS)		

DESIGNED JHO
DRAWN PEU
CHECKED JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION SECTION 8 OPERATING SEQUENCE
HILLSBOROUGH COUNTY, FLORIDA

DETAILS - 2

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY: JOSEPH H. CAVELL
P.E. # 32049 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE	PROJECT NO.
DEC 2005	08449-020-01
SCALE	DWG. NO.
AS NOTED	10

Edited: 01/26/06 16:11 JWilliams N:\08449 Hillsborough County\020-SELF Section 8\Contract Drawings\Incoming Contract Dwgs from Tampa on Jan. 4, 2006\08449020-10.DWG Plotted: 4/26/06 12:12pm RDemint

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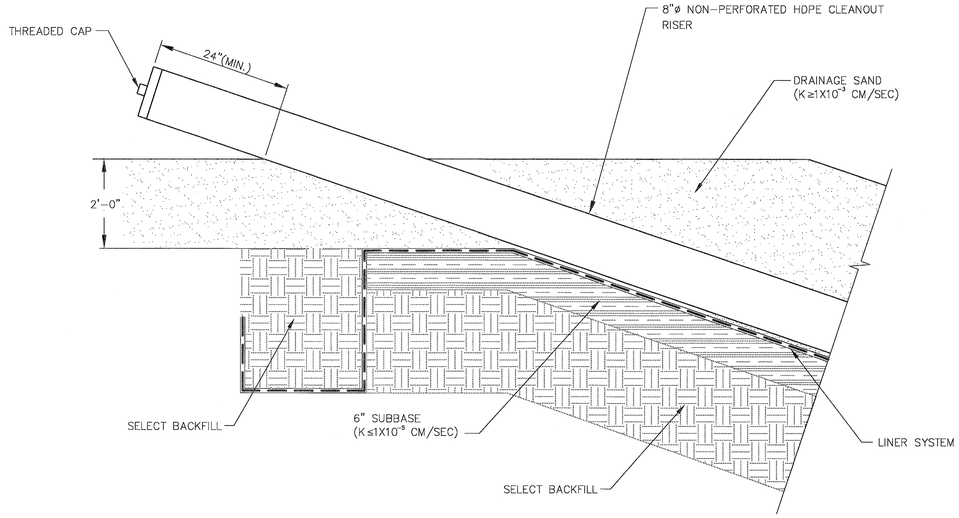
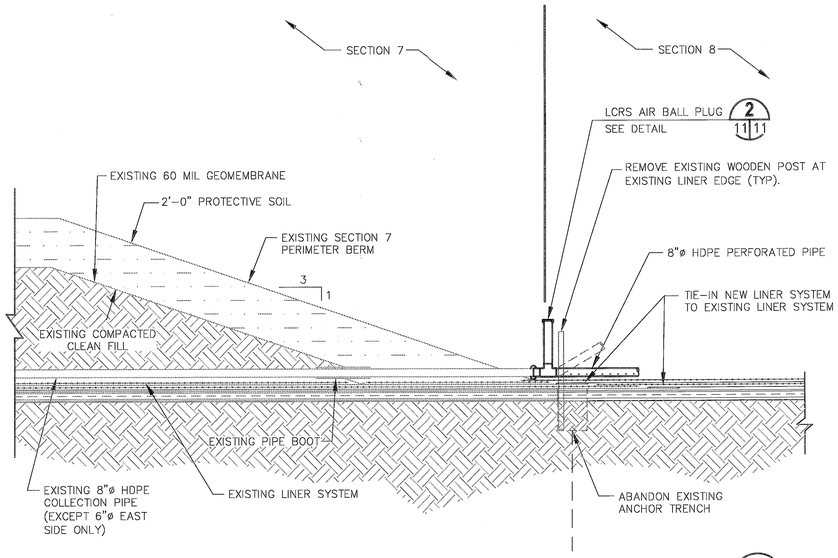
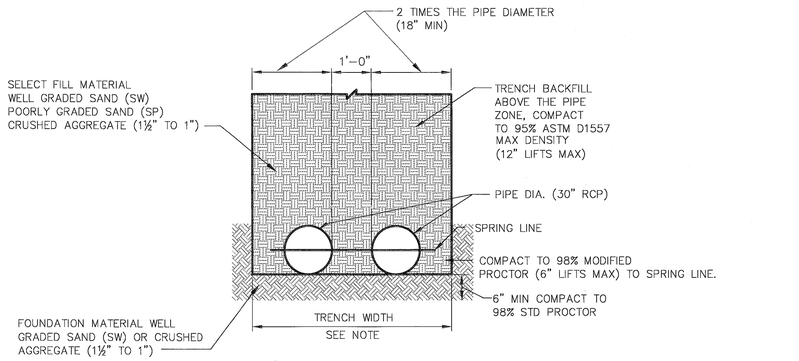


TYPICAL PIPE CLEANOUT DETAIL 4
NTS 3 | 11

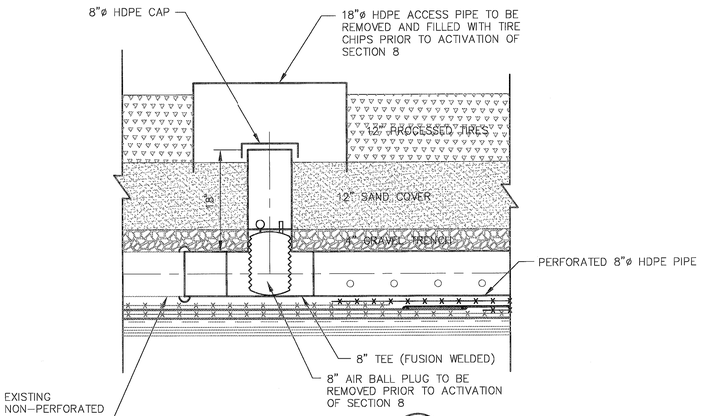


TYPICAL SECTION 7/8 LEACHATE PIPE CONNECTION DETAIL 1
NTS 3, 4 | 11

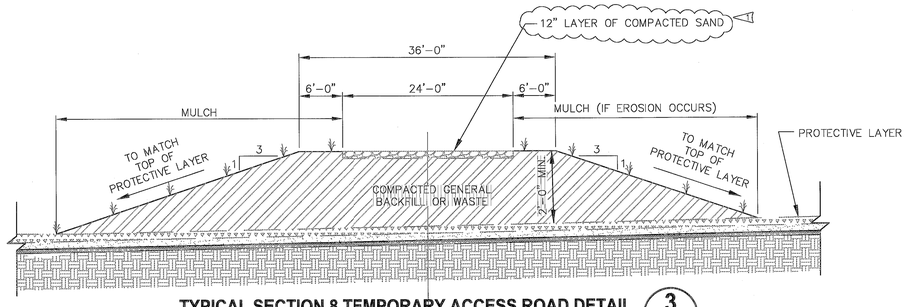


NOTE:
TRENCH WIDTH DEPENDENT UPON METHOD OF EXCAVATION SELECTED BY THE CONTRACTOR. EXCAVATION SHORING AND/OR SIDESLOPE STABILIZATION SHALL COMPLY WITH TRENCH SAFETY ACT AND/OR LOCAL EXCAVATION GUIDELINES.

PIPE INSTALLATION DETAIL 5
NTS 5 | 11



LCRS AIR BALL PLUG DETAIL 2
NTS 11 | 11



TYPICAL SECTION 8 TEMPORARY ACCESS ROAD DETAIL 3
NTS 3, 4, 5 | 11

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 27 2006
SOUTHWEST DISTRICT TAMPA

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1	9/30/05	RAI NO. 1 (BY SCS)		

DESIGNED JHO
DRAWN PEU
CHECKED JHO

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

SOUTHEAST COUNTY LANDFILL
CAPACITY EXPANSION SECTION 8 OPERATING SEQUENCE
HILLSBOROUGH COUNTY, FLORIDA

DETAILS - 3

CERTIFICATE OF AUTHORIZATION #1841
APPROVED BY
JOSEPH A. O'NEIL, P.E. #52049
STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE	PROJECT NO.
DEC 2005	08449-020-01
SCALE	DWG. NO.
AS NOTED	11

Edited: 01/26/06 16:12 JWilliams N:\08449 Hillsborough County\020-SELF Section 8\Contract Drawings\Incoming Contract Dwgs from Tampa on Jan. 4, 2006\08449020-11.dwg Plotted: 4/26/06 12:12pm RDemint