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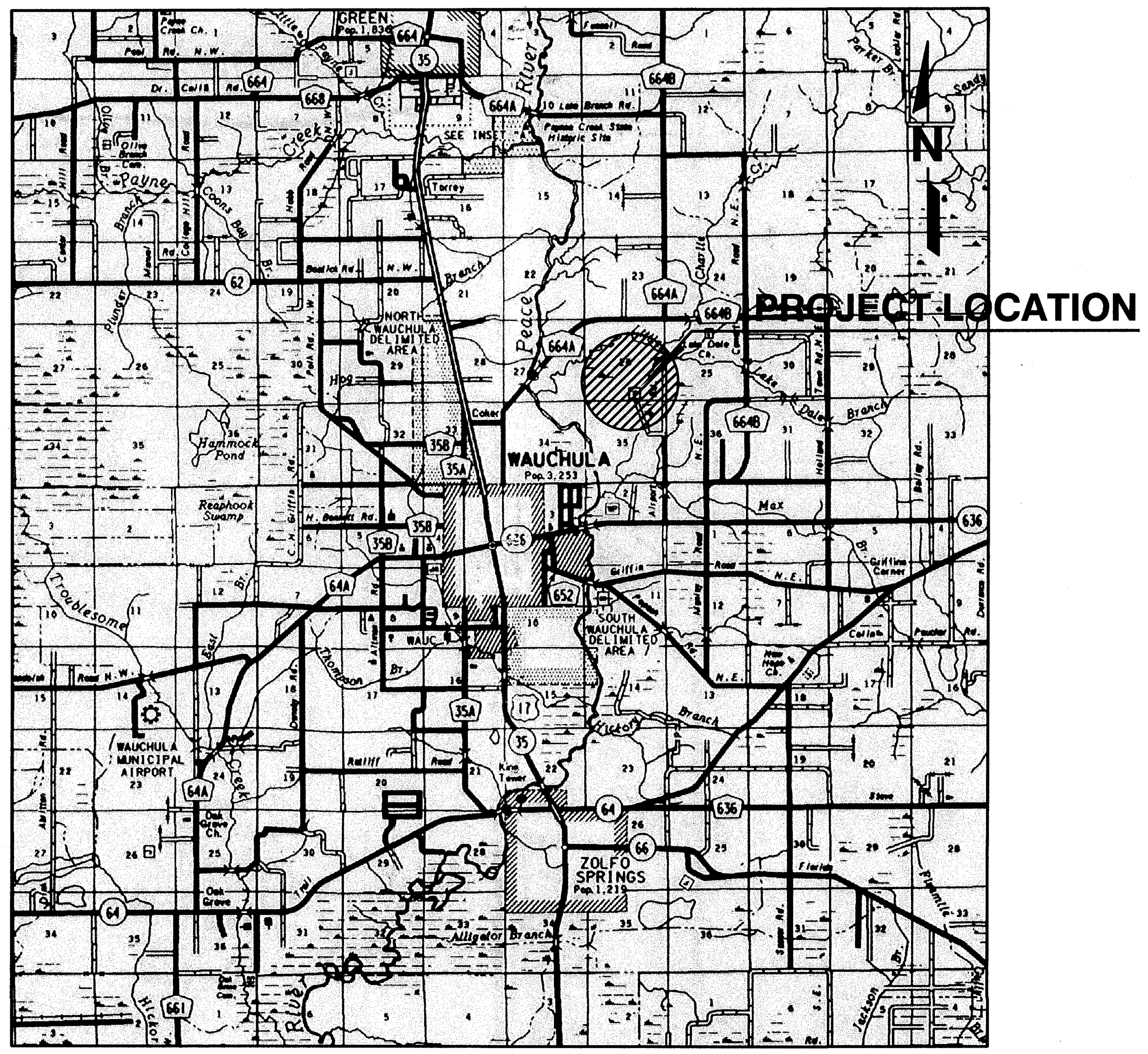
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOV 1 8 2002
SOUTHWEST DISTRICT TAMPA

HARDEE COUNTY LANDFILL OPERATIONAL FILL SEQUENCE

PREPARED FOR

BOARD OF COUNTY COMMISSIONERS HARDEE COUNTY, FLORIDA

REVISED NOVEMBER 2002



LOCATION MAP
NOT TO SCALE

HARDEE COUNTY
19 21
FLORIDA

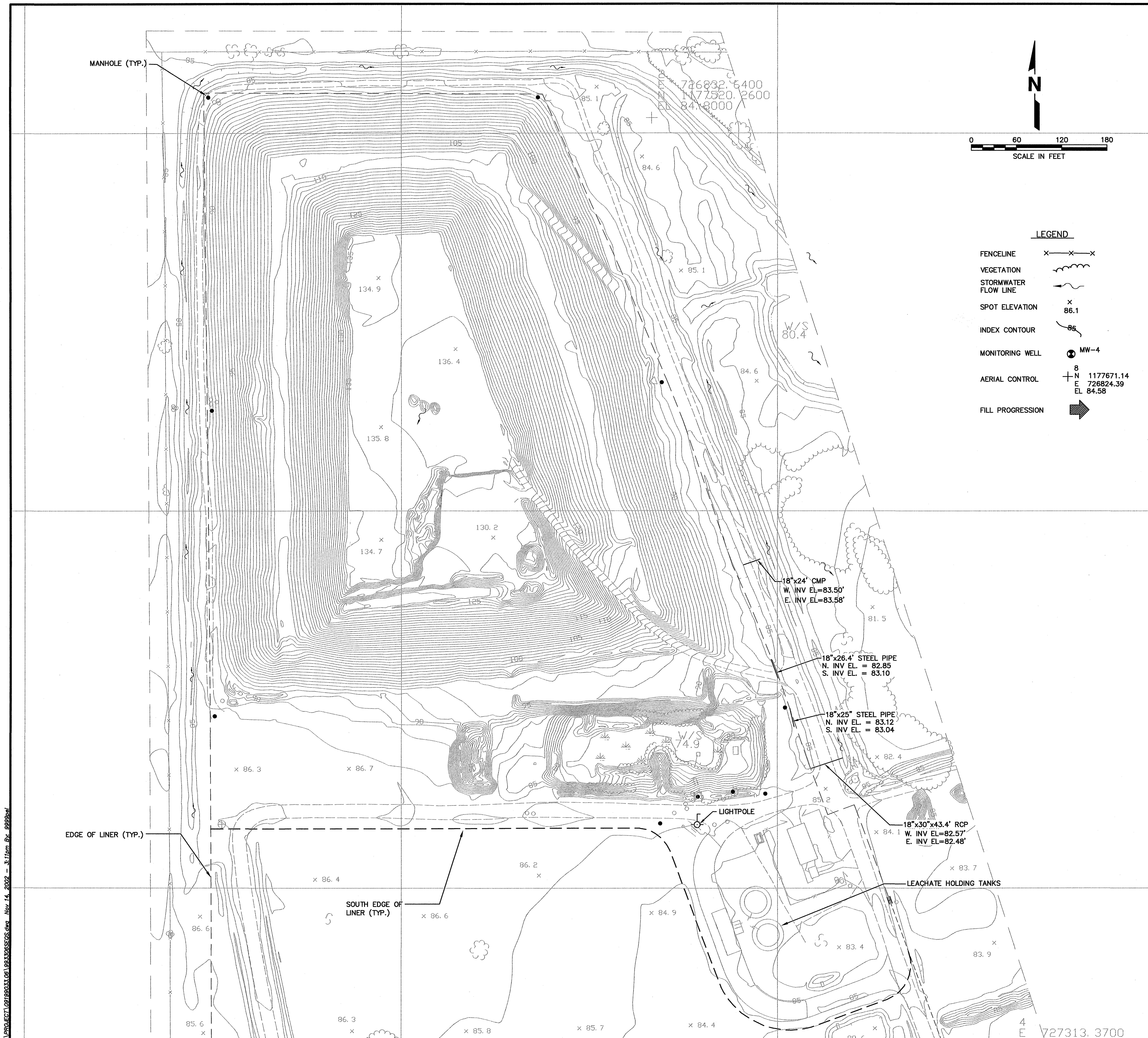
DRAWING INDEX

DRAWING NO.		DRAWING TITLE
1	-	COVER SHEET
2	-	EXISTING CONDITIONS AS OF APRIL 8, 2002
3	-	FINAL OPERATION PLAN
4	-	FILL SEQUENCE 3
5	-	FILL SEQUENCE 4
6	-	DETAILS
7	-	SECTIONS

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOV 1 8 2002
SOUTHWEST DISTRICT TAMPA

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

PROFESSIONAL ENGINEER



NOTES

1. ELEVATIONS AND TOPOGRAPHIC INFORMATION SHOWN PROVIDED BY AERIAL SURVEY BY I.F. ROOKS & ASSOCIATES, INC. DATED 4/08/02. SCS AND I.F. ROOKS MAKE NO REPRESENTATION OR GUARANTEES PERTAINING TO EASEMENTS, RESERVATIONS, RIGHT-OF-WAYS, SETBACKS, PROPERTY LIMITS, AND OTHER SIMILAR MATTERS. UTILITIES ARE NOT SHOWN.

2. CONTROL POINTS FOR THE AERIAL SURVEY BASED UPON FLORIDA STATE PLANE, WEST ZONE NAD 1983 AND NGVD 1929.

3. VERIFY ALL EXISTING ELEVATIONS, STRUCTURES, AND UTILITIES WHICH MAY EFFECT THE WORK PRIOR TO BEGINNING CONSTRUCTION. REPORT TO THE ENGINEER ANY DISCREPANCIES PRIOR TO BEGINNING CONSTRUCTION.

4. MANHOLES, EDGE OF LINER, LEACHATE TANKS, DRAINAGE PIPES, MONITORING WELLS TAKEN FROM PBS&J DRAWINGS DATED FEBRUARY,1999. REFER TO RECORD DRAWINGS FOR UPDATED INFORMATION.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOV 1 8 2002
SOUTHWEST DISTRICT TAMPA

(2)

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: EXISTING CONDITIONS AS OF APRIL 8, 2002

PROJECT TITLE: OPERATIONAL FILL SEQUENCE

CLIENT: HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS

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. 09199033.06 | DWN. BY: PEI | Q/A RVW BY: RBG/RJD
DSN. BY: BJC | CHK. BY: RBG | APP. BY: RBG

CADD FILE: 993306BLDOUT.dwg

DATE: November, 2002

SCALE: 1"=60'

DRAWING NO. 2 of 7

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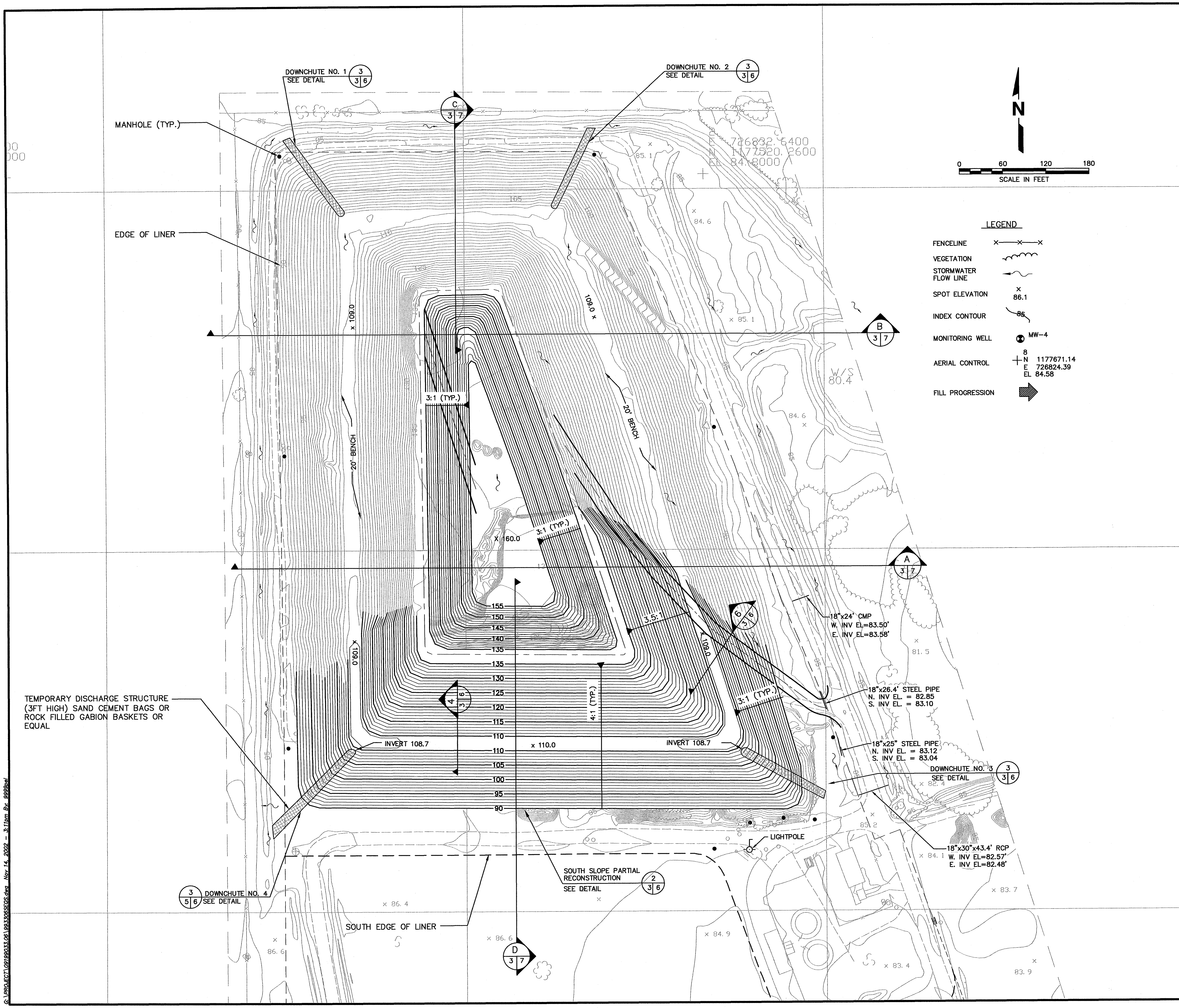

NOTES:

1) GRADES SHOWN ARE APPROXIMATELY 36 INCHES BELOW FINAL CLOSURE GRADES. THIS ELEVATION IS APPROXIMATELY THE TOP OF DAILY COVER. SEE DETAIL 1 SHEET 6.

2) TERRACE SWALE – 2 FT HIGH; 2 FT TOP WIDTH (MIN); CONSTRUCTED OF OF CLAYEY SANDS OR STACKED SAND BAGS OR EQUAL.

3) PLACEMENT OF ADDITIONAL WASTE IS TO BE LIMITED TO THE SOUTH SIDE SLOPE AND TO THE TOP PLATEAU OF THE LANDFILL ABOVE ELEVATION 135, AS SHOWN ON SHEETS 3, 4, AND 5. NO ADDITIONAL WASTE IS TO BE PLACED ON THE NORTH, WEST, AND EAST SIDE SLOPES BELOW ELEVATION 135.

4) PLACEMENT OF WASTE ON THE TOP PLATEAU ABOVE ELEVATION 135 WILL GENERALLY PROGRESS FROM SOUTH TO NORTH.

(3)

NOV 1 8 2002

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE
OPERATIONAL FILL SEQUENCE

PROJECT TITLE
FINAL OPERATION PLAN

CLIENT
HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS

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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

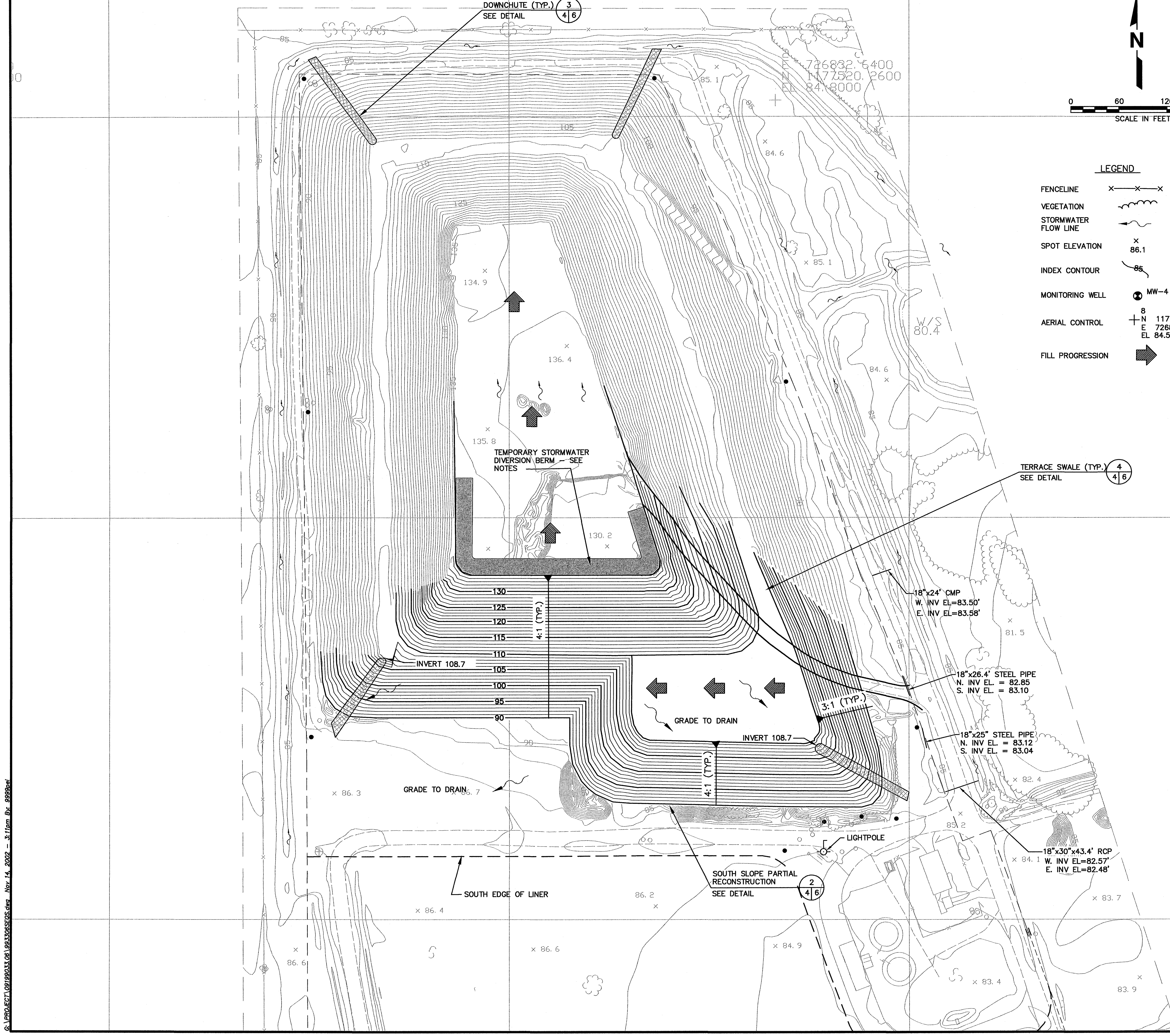
PROJ. NO. 09199033.06 | DWN. BY: PEI | Q/A RVW BY: RBG/RJD
DSN. BY: BJC | CHK. BY: RBG | APP. BY: RBG

CADD FILE: BLDOUT.DWG

DATE: November, 2002

SCALE: 1"=60'

DRAWING NO. **3** of 7



N

0 60 120 180
SCALE IN FEET

LEGEND

FENCELINE	×——×——×
VEGETATION	
STORMWATER FLOW LINE	
SPOT ELEVATION	× 86.1
INDEX CONTOUR	85
MONITORING WELL	MW-4
AERIAL CONTROL	8 N 1177671.14 E 726824.39 EL 84.58
FILL PROGRESSION	

NOTE:

1) TEMPORARY STORMWATER DIVERSION BERM (3 FT HIGH) TO BE CONSTRUCTED USING CLAYEY SANDS, STACKED SAND BAGS, OR EQUAL. BERMS TO BE MOVED AS FILL PROGRESSES.

2) GRADES SHOWN ARE APPROXIMATELY 36 INCHES BELOW FINAL CLOSURE GRADES. SEE DETAIL 1 SHEET 6.

3) PLACEMENT OF ADDITIONAL WASTE IS TO BE LIMITED TO THE SOUTH SIDE SLOPE AND TO THE TOP PLATEAU OF THE LANDFILL ABOVE ELEVATION 135, AS SHOWN ON SHEETS 3, 4, AND 5. NO ADDITIONAL WASTE IS TO BE PLACED ON THE NORTH, WEST, AND EAST SIDE SLOPES BELOW ELEVATION 135.

4) PLACEMENT OF WASTE ON THE TOP PLATEAU ABOVE ELEVATION 135 WILL GENERALLY PROGRESS FROM SOUTH TO NORTH.

(4)

NOV 18 2002
SOUTHWEST DISTRICT TAMPA

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: FILL SEQUENCE 3

PROJECT TITLE: OPERATIONAL FILL SEQUENCE

CLIENT: HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS

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. 09199033.06 | DWN. BY: PEI | Q/A RVW BY: RBG/RJD
DSN. BY: BJC | CHK. BY: RBG | APP. BY: RBG

CADD FILE: BLDOUT.DWG

DATE: November, 2002

SCALE: 1"=60'

DRAWING NO. 4 of 7

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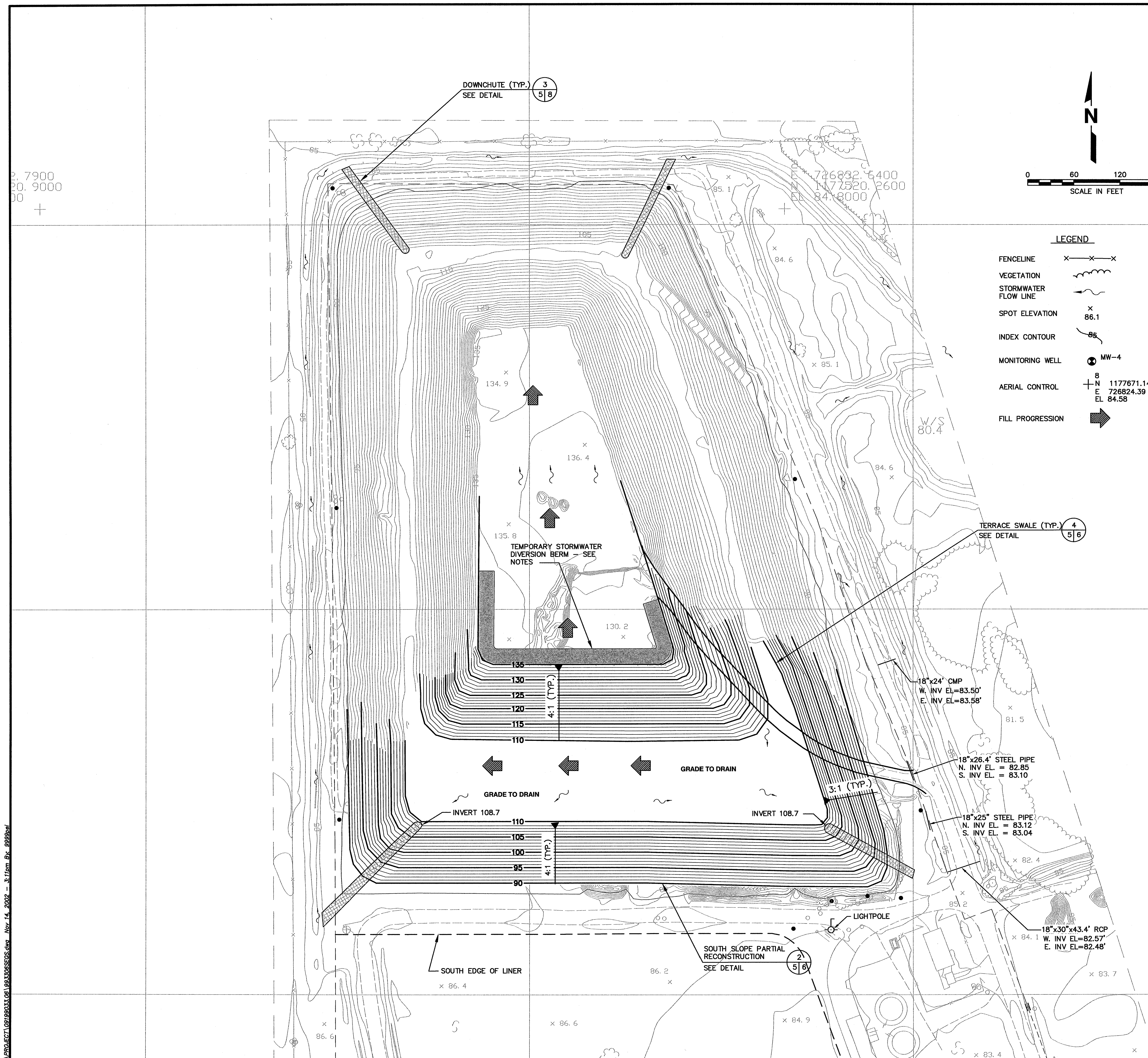

NOTE:

1) TEMPORARY STORMWATER DIVERSION BERM (3 FT HIGH)TO BE CONSTRUCTED USING CLAYEY SANDS, STACKED SAND BAGS, OR EQUAL. BERMS TO BE MOVED AS FILL PROGRESSES.

2) GRADES SHOWN ARE APPROXIMATELY 36 INCHES BELOW FINAL CLOSURE GRADES. SEE DETAIL 1 SHEET 6.

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4) PLACEMENT OF WASTE ON THE TOP PLATEAU ABOVE ELEVATION 135 WILL GENERALLY PROGRESS FROM SOUTH TO NORTH.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOV 1 8 2002
SOUTHWEST DISTRICT TAMPA

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: **FILL SEQUENCE 4**

PROJECT TITLE: **OPERATIONAL FILL SEQUENCE**

CLIENT: **HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS**

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

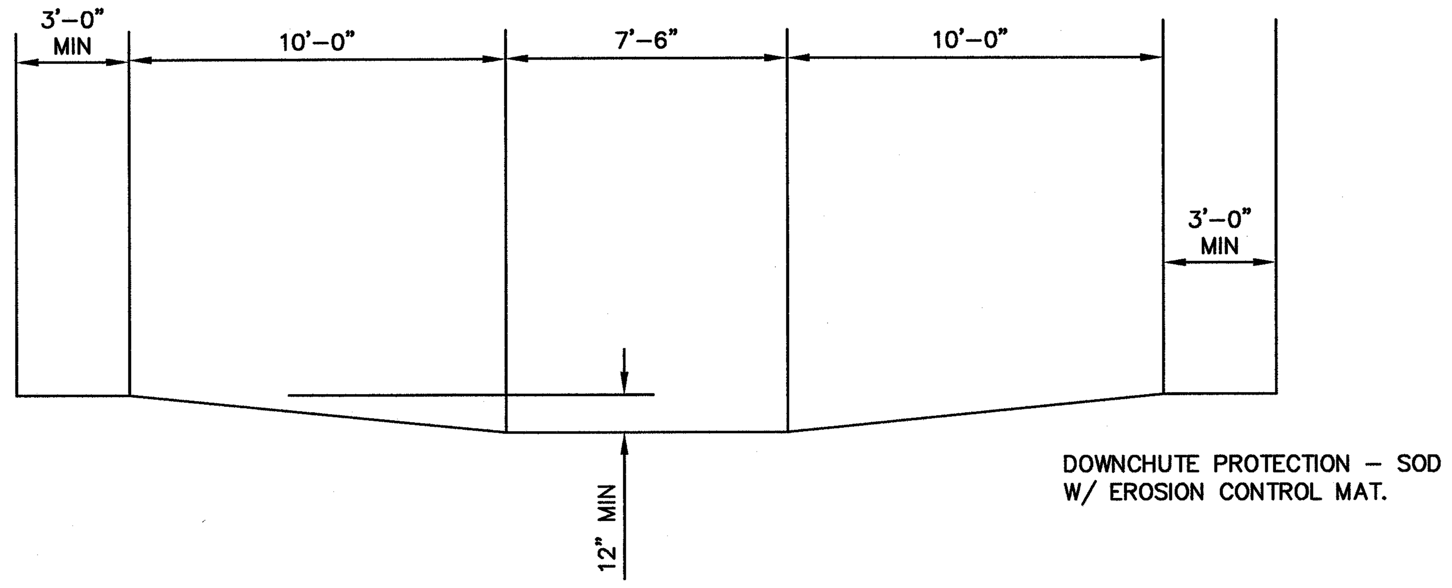
PROJ. NO. 09199033.06 | DWN. BY: PEI | Q/A RVW BY: RBG
DSN. BY: BJC | CHK. BY: RBG | APP. BY: RBG

CADD FILE: 993306BUILDOUT.DWG

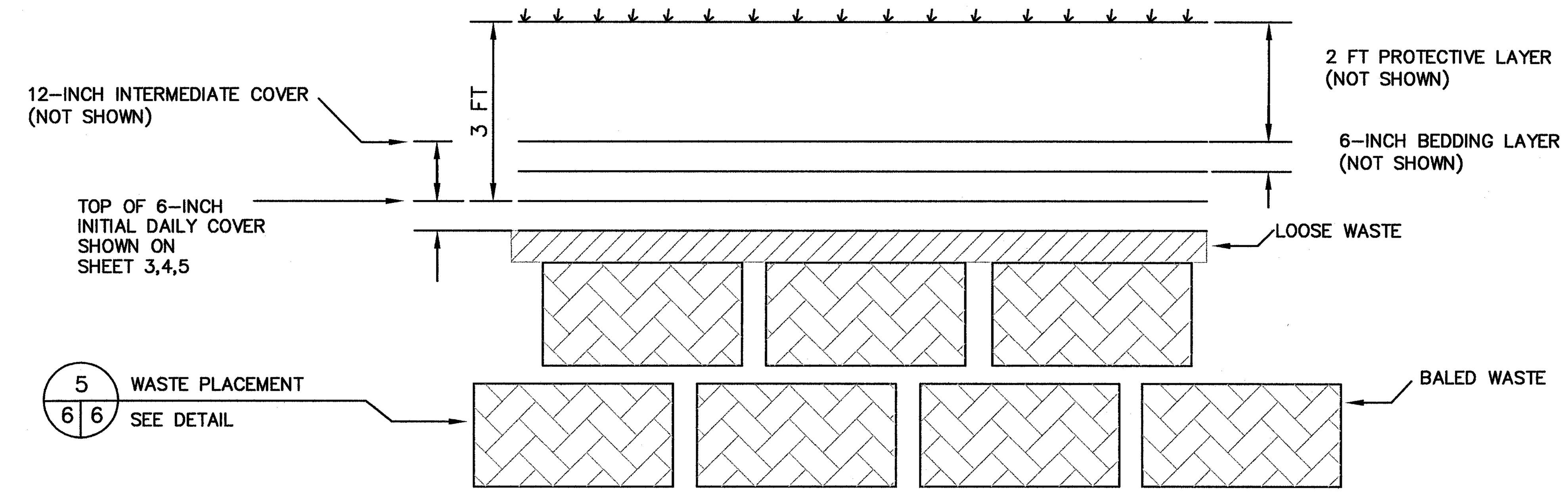
DATE: November, 2002

SCALE: 1"=60'

DRAWING NO. **5** of 7



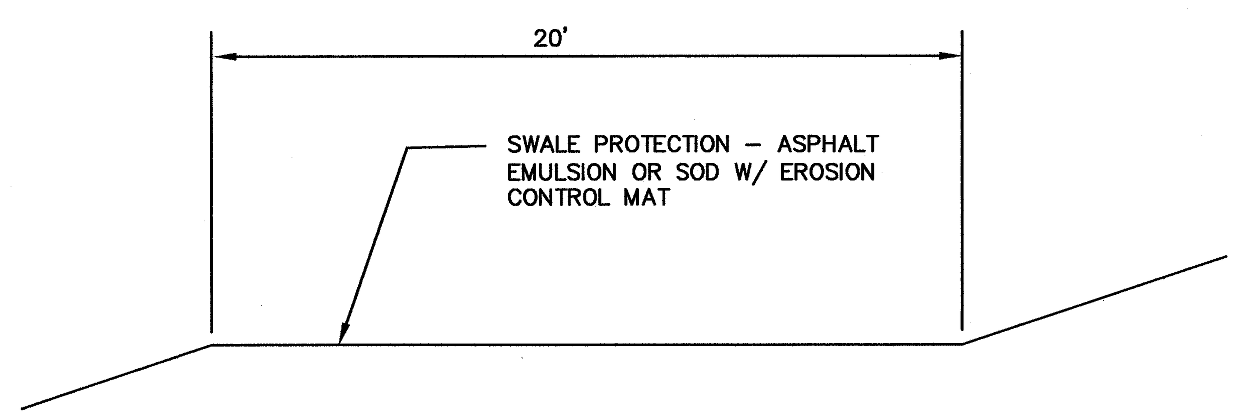
TYPICAL DOWNCHUTE
SCALE 1"=4'
3 / 6 (3,4,5)



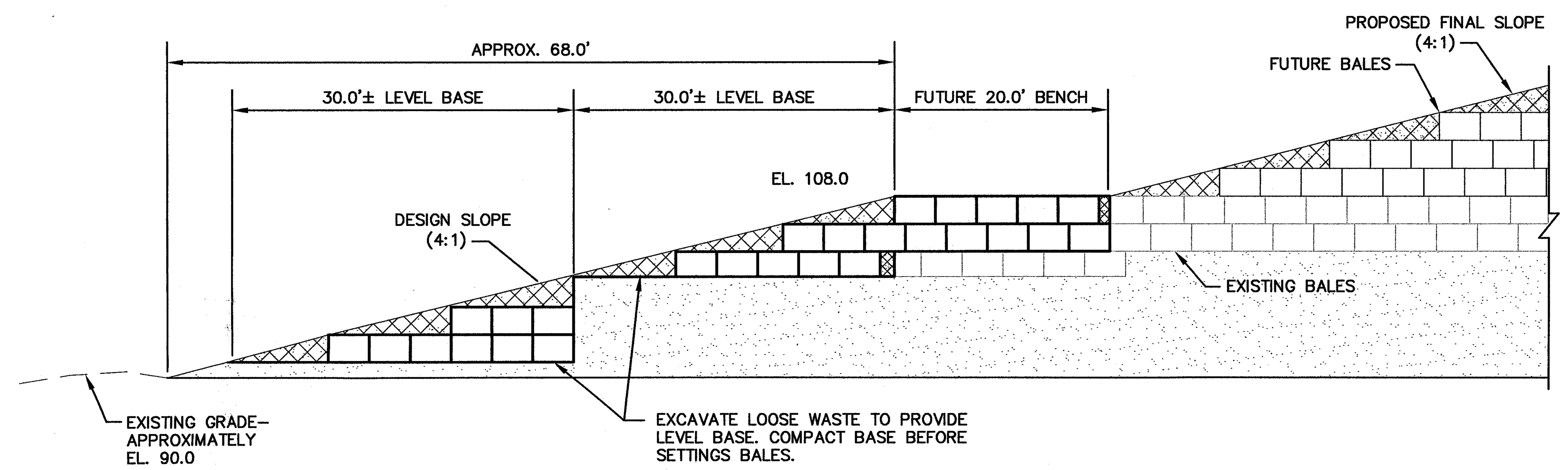
COVER SYSTEM DETAIL
N.T.S.
1 / 6 (3,4,5)

NOTE:

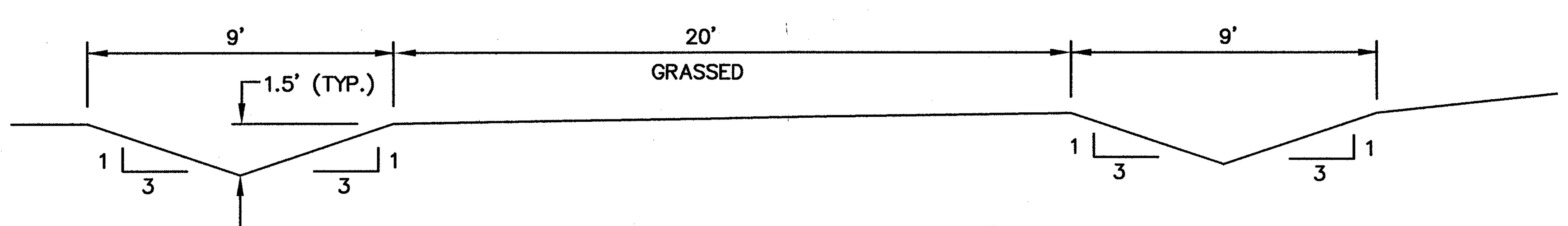
2' THICKNESS OF FINAL CONTOUR SOIL NOT SHOWN.



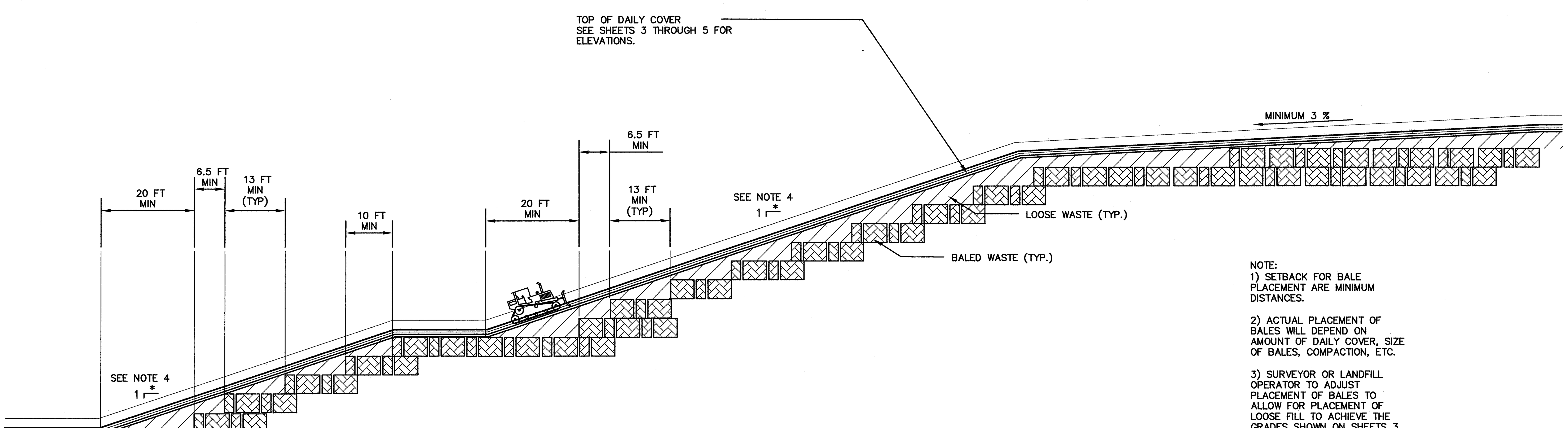
TYPICAL BENCH SWALE
SCALE 1"=4'
4 / 3 6



SOUTH SLOPE PARTIAL RECONSTRUCTION
1" = 10'
2 / 6 (3,4,5)



FINAL ACCESS ROAD
SCALE 1"=4'
6 / 3 6



NOTE:
1) SETBACK FOR BALE PLACEMENT ARE MINIMUM DISTANCES.

2) ACTUAL PLACEMENT OF BALES WILL DEPEND ON AMOUNT OF DAILY COVER, SIZE OF BALES, COMPACTION, ETC.

3) SURVEYOR OR LANDFILL OPERATOR TO ADJUST PLACEMENT OF BALES TO ALLOW FOR PLACEMENT OF LOOSE FILL TO ACHIEVE THE GRADES SHOWN ON SHEETS 3 THROUGH 5.

4) FOR SIDE SLOPE REFER TO PLAN SHEETS.

TYPICAL WASTE PLACEMENT DETAIL
NOT TO SCALE
5 / 6 6

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(6)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOV 18 2002
SOUTHWEST DISTRICT TAMPA

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: DETAILS

PROJECT TITLE: OPERATIONAL FILL SEQUENCE

CLIENT: HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS

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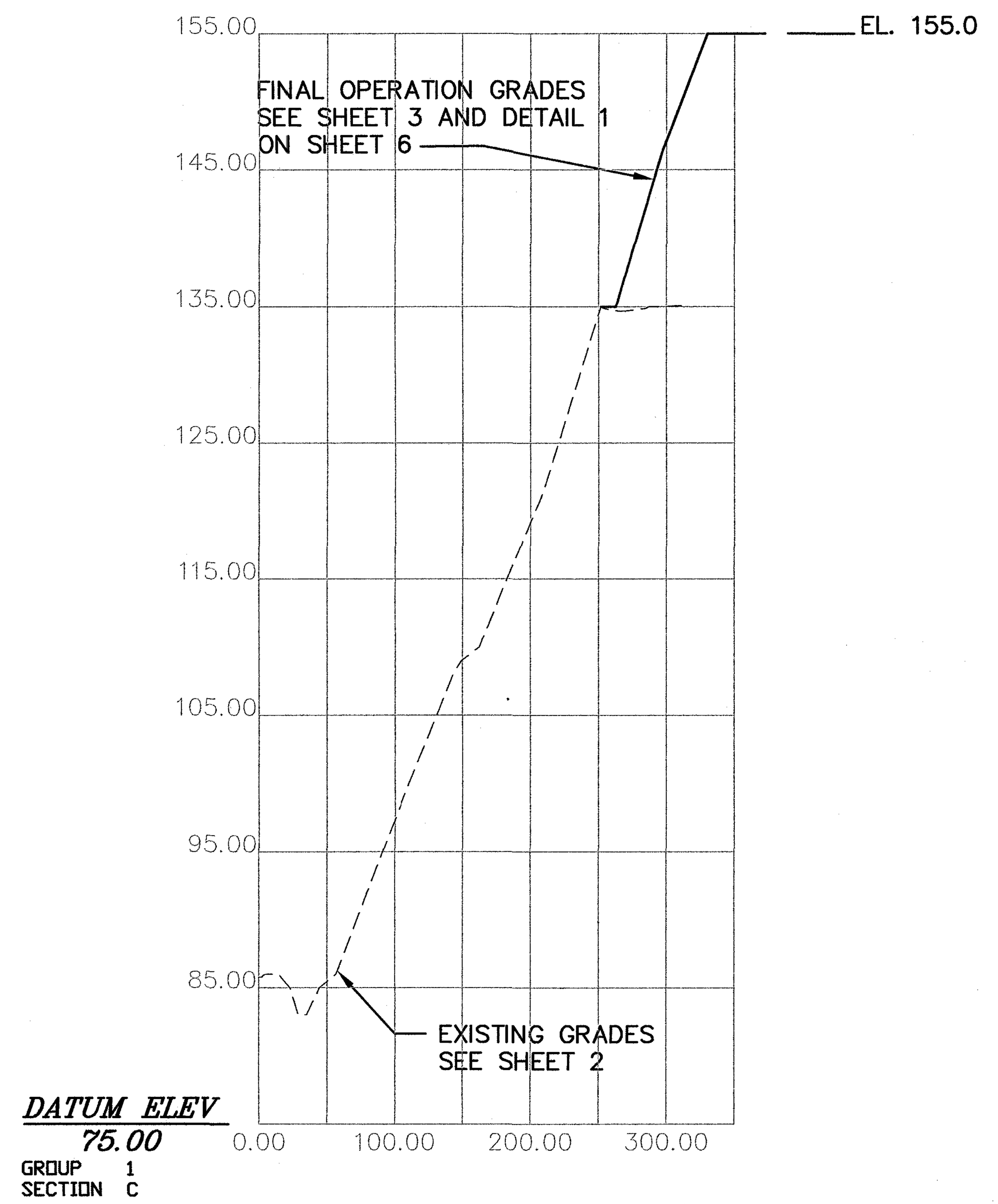
PROJ. NO. 09199033.06 | DSN. BY: BJC | DWN. BY: PEI | CHK. BY: RBG | Q/A RVW BY: RBG/RJD | APP. BY: RBG

CADD FILE: 993306BUILDOUT.DWG

DATE: November, 2002

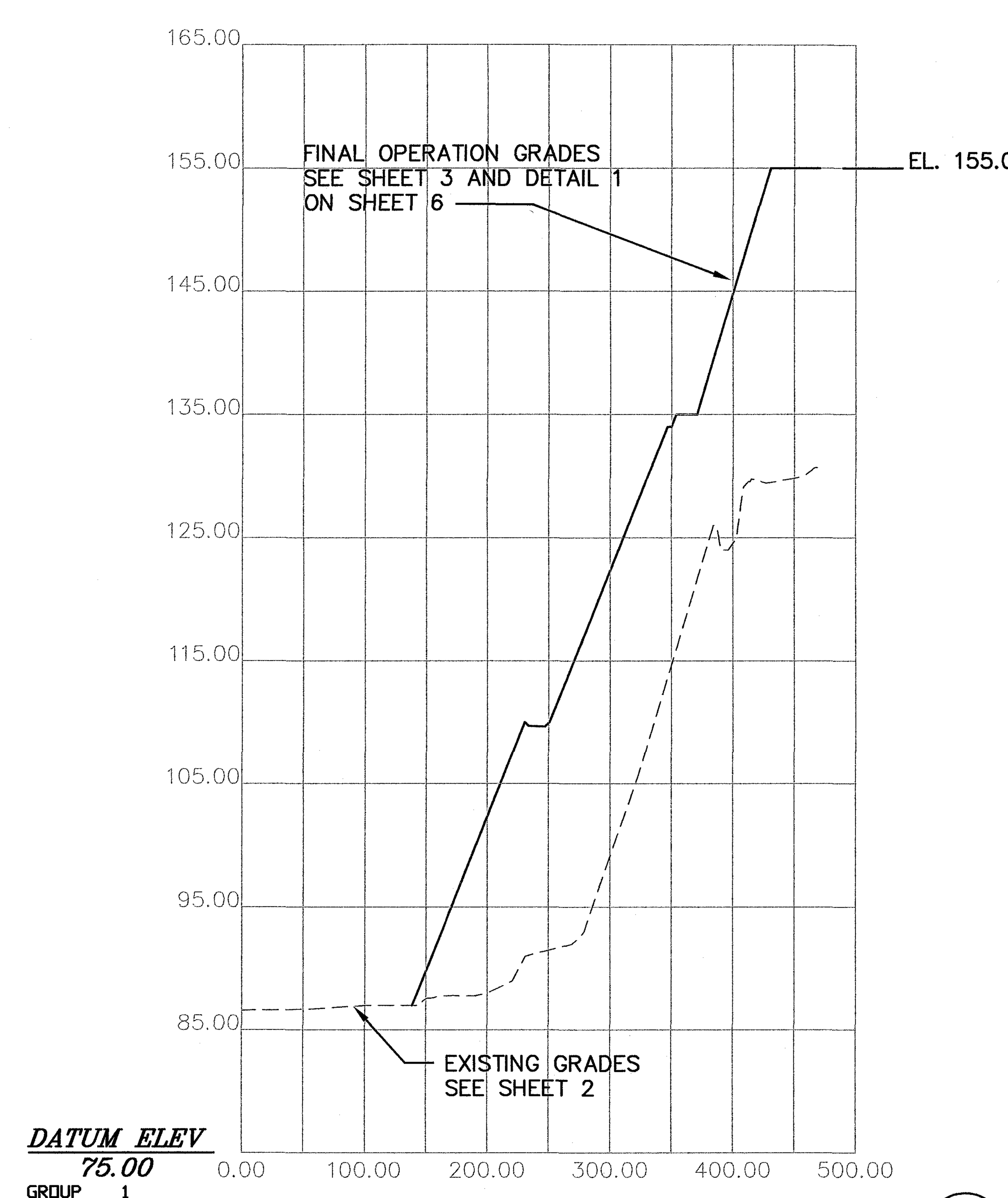
SCALE: AS SHOWN

DRAWING NO.



SECTION C 3|7
SCALE V 1"= 10'
H 1"= 100'

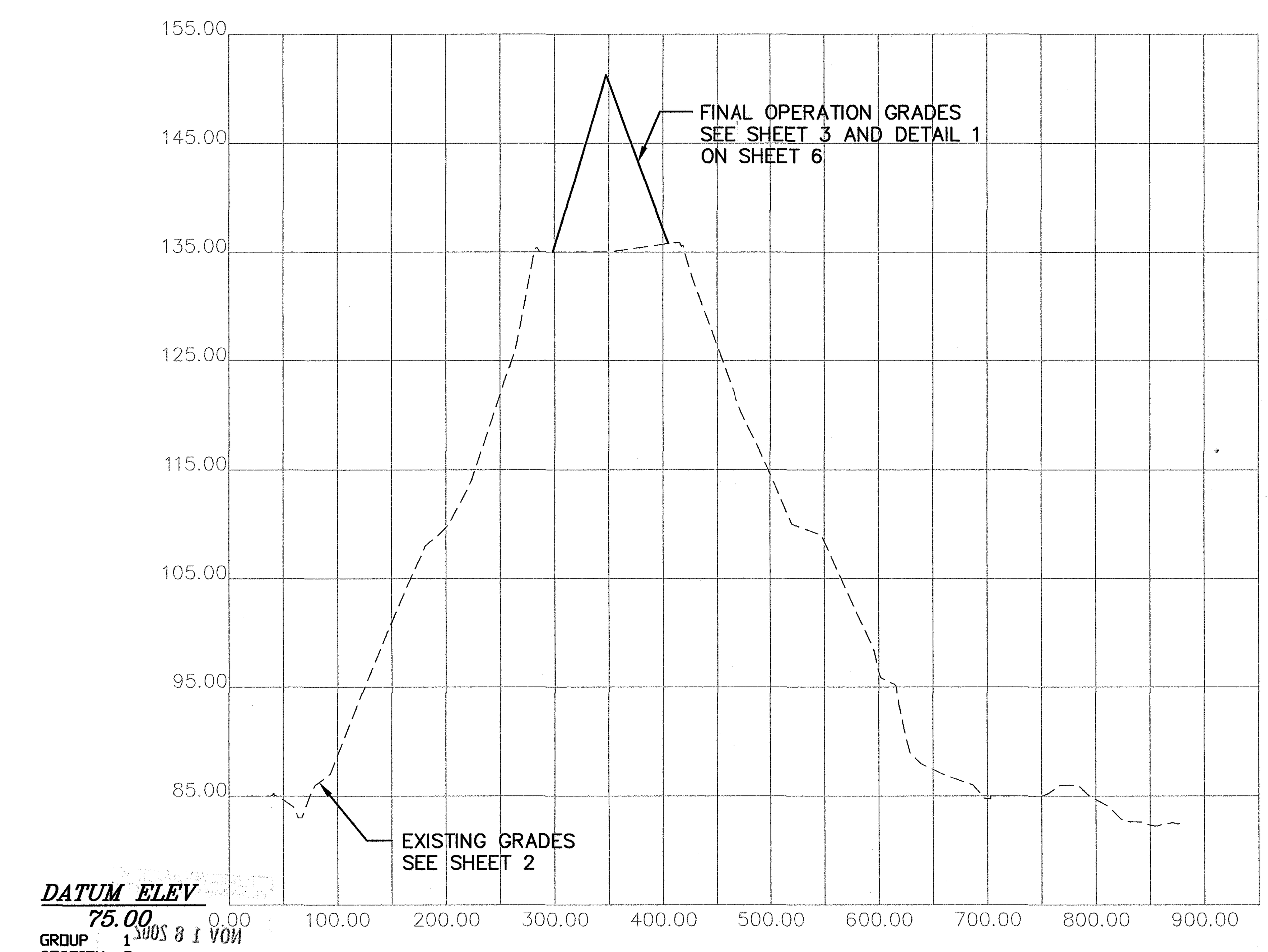
SECTION A 3|7
SCALE V 1"= 10'
H 1"= 100'



SECTION D 3|7
SCALE V 1"= 10'
H 1"= 100'

NOTE:

1) ANY FINE GRADING REQUIRED TO CONSTRUCT THE TERRACE AT ELEVATION 110 IS TO BE DONE WITH CLEAN SOIL FILL ONLY



SECTION B 3|7
SCALE V 1"= 10'
H 1"= 100'

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOV 1 8 2002
SOUTHWEST DISTRICT TAMPA

REV.	DATE	DESCRIPTION	CK. BY

DRAWING TITLE: **SECTIONS**

PROJECT TITLE: **OPERATIONAL FILL SEQUENCE**

CLIENT: **HARDEE COUNTY BOARD OF COUNTY COMMISSIONERS**

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CADD FILE: 993306BUILDOUT.DWG

DATE: November, 2002

SCALE: AS SHOWN

DRAWING NO. **7** of 7

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