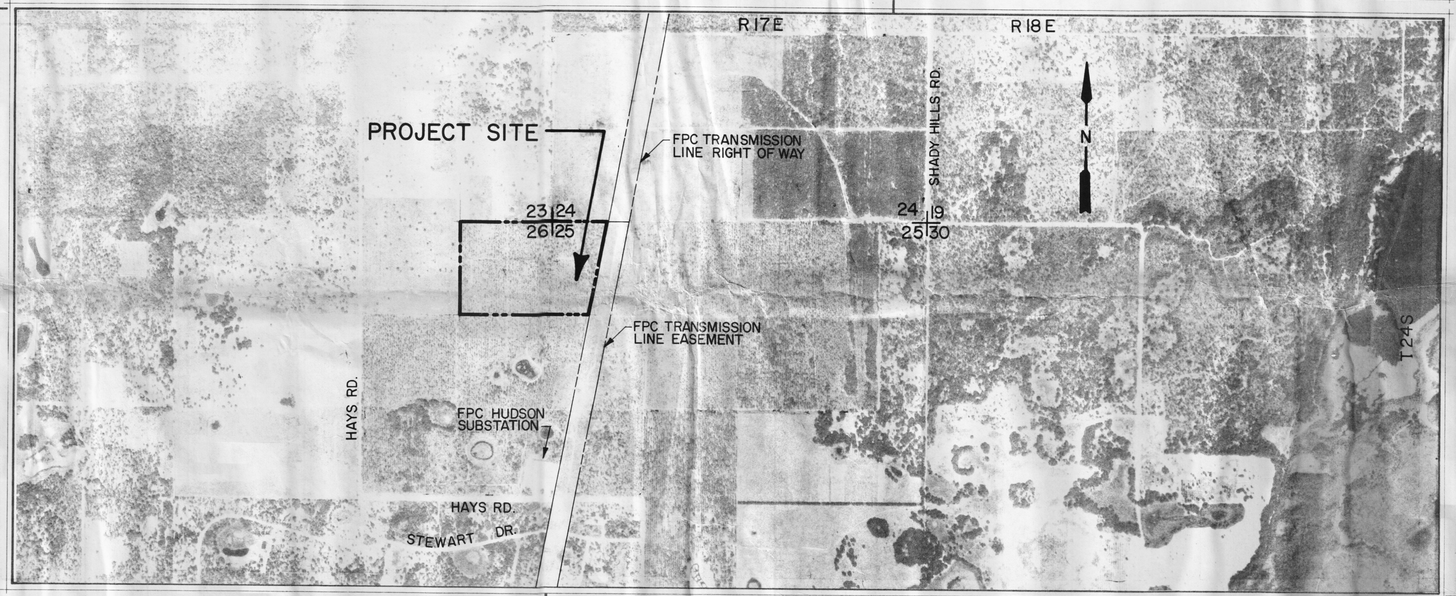
WEST PASCO CLASS III
SOLID WASTE DISPOSAL FACILITY
PERMIT & CONSTRUCTION DRAWINGS



JUL 25 1988

D. E. R.
JUL 22 1988
SOUTH WEST DISTRICT
TAMPA

45799 ~~45920~~

~~45920~~ 45799

PASCO COUNTY 1887 FLORIDA

BOARD OF COUNTY COMMISSIONERS

Curtis L. Law
Commissioner, District 2

Sylvia Young
Vice Chairman, District 1

Ann Hildebrand
Chairman, District 3

Allan G. Safranek
Commissioner, District 4

Mike Wells
Commissioner, District 5

John Gallagher
Pasco County Administrator

J. Benjamin Harrill
Pasco County Attorney

Walter J. Jones
Assistant County Administrator

William G. Munz
Director of Public Utilities

West Pasco CL 3

DORIAN MODJESKI CERTIFICATE No. 36517 STATE OF FLORIDA REGISTERED ENGINEER

1/21/88
DATE

DORIAN MODJESKI P.E.
FLORIDA REGISTERED
PROFESSIONAL ENGINEER NO. 36517

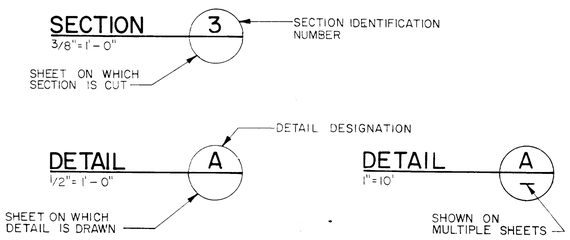
ATTACHMENT I

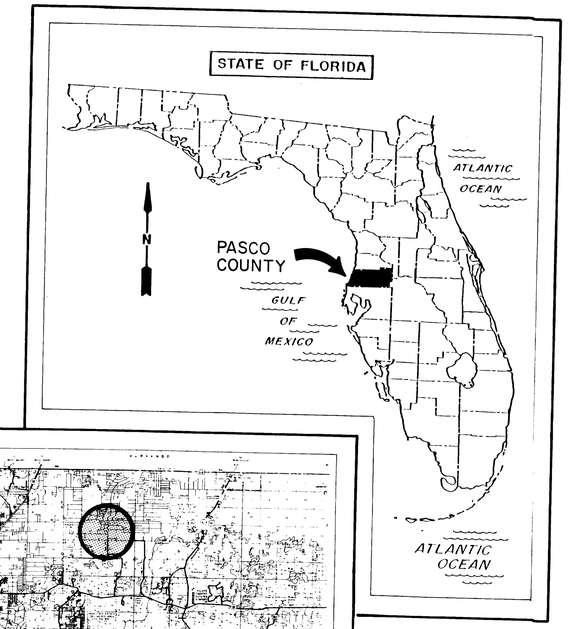
JUN 21 1988

CDM
environmental engineers, scientists, planners, & management consultants

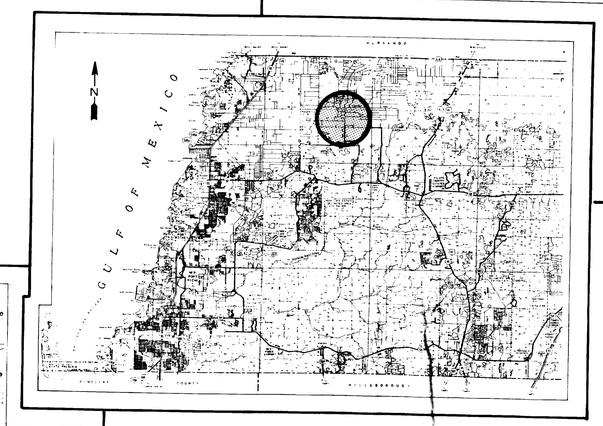
GENERAL NOTES

1. ALL ELEVATIONS REFER TO MEAN SEA LEVEL(MSL) BASED ON USGS DATUM.
2. EROSION CONTROL – CONTRACTOR TO PROVIDE SEDIMENT AND EROSION CONTROL AS REQUIRED, IF NECESSARY USING HAYBALES, SILT SCREENS, ETC.

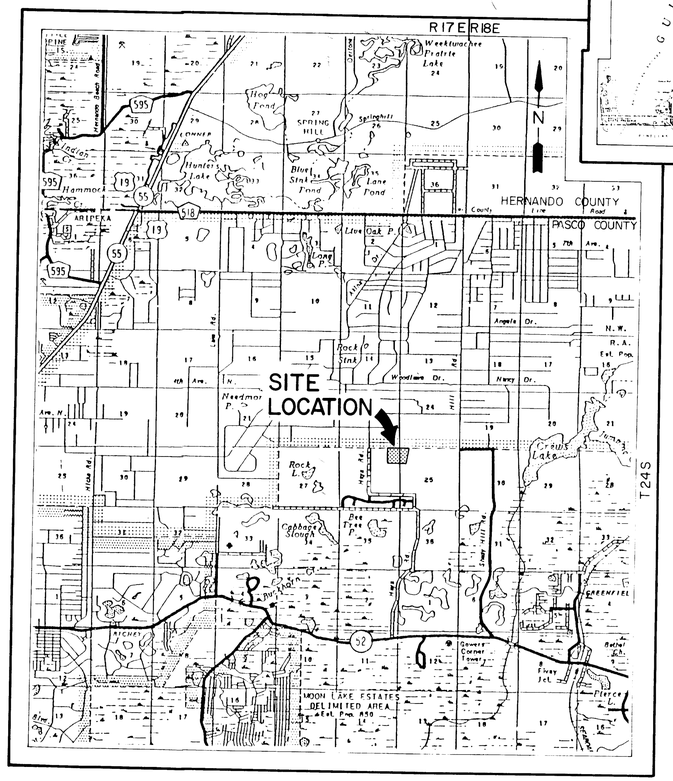




PASCO COUNTY LOCATION
N.T.S.



AREA LOCATION
N.T.S.



SITE LOCATION
N.T.S.

INDEX OF SHEETS

COVER SHEET
1. GENERAL NOTES, LOCATION MAPS AND INDEX OF SHEETS
2. AREA MAP, EXISTING ZONING AND 100 YEAR FLOOD PRONE AREA
3. EXISTING EXISTING AERIAL TOPOGRAPHY, SOIL BORINGS AND ON-SITE MONITORING WELLS
4. ACCESS & PERIMETER ROADWAYS
5. BOUNDARY SURVEY AND LEGAL DESCRIPTION
6. DIMENSION CONTROL PLAN
7. SITE GRADING PLAN
8. LEACHATE COLLECTION SYSTEM
9. PLAN OF OPERATION
10. FINAL CLOSEOUT CONTOURS
11. TYPICAL CROSS SECTION
12. FINAL CLOSEOUT CROSS SECTIONS
13. MISCELLANEOUS DETAILS
14. MISCELLANEOUS DETAILS
15. TYPICAL MANHOLE & HOLDING TANK DETAILS

Dorian Modjeski 1/21/88

DORIAN MODJESKI CERTIFICATE No. 30517 STATE OF FLORIDA REGISTERED ENGINEER

REV NO	DATE	DRAWN	CHKD	REVISIONS

DESIGNED BY R.J.T.
DRAWN BY N.E.R.
CHECKED BY
APPROVED BY
DATE DEC. 1987

CAMP DRESSER & McKEE INC.
CDM

WEST PASCO COUNTY CLASS III LANDFILL PERMIT AND CONSTRUCTION DRAWINGS

GENERAL NOTES, LOCATION MAPS AND INDEX OF SHEETS

PASCO COUNTY, FLORIDA

PROJECT NO. 6104-07

SHEET NO. 1

N

Scale: 1" = 1,000'

LAND USE LEGEND

- AGRI-GRAZE/VACANT
- ACTIVE AGRICULTURE/ ORCHARD
- MEDIUM DENSITY SINGLE FAMILY
- LOW DENSITY RURAL
- VEGETATIVE COVER

SOURCE:
PASCO COUNTY
PLANNING DEPT. 1985

WELL LEGEND

- ● USGS MONITORING WELL
- ■ SWFWMD CUPS WELL

ALL EXISTING STRUCTURES ARE ASSUMED TO HAVE A POTABLE WATER WELL, 2" OR LESS IN DIAMETER.

ZONING LEGEND

- ZONING DISTRICTS
- A-C - AGRICULTURAL SINGLE FAMILY / MOBILE HOMES
- A-R - AGRICULTURAL - RESIDENTIAL SINGLE FAMILY / MOBILE HOMES
- AR-1 - AGRICULTURAL - RESIDENTIAL SINGLE FAMILY HOMES
- E-R - ESTATE RESIDENTIAL SINGLE FAMILY HOMES
- R-2 - LOW DENSITY SINGLE FAMILY HOMES
- PUD - PLANNED UNIT DEVELOPMENT
- C-1 - NEIGHBORHOOD COMMERCIAL
- C-2 - GENERAL COMMERCIAL

SOURCE:
PASCO COUNTY
ZONING ATLAS
NOV. 19, 1975

NOTE:
AERIAL BY
HAMRICK AERIAL
SURVEYS, INC.
DATE: NOV. 1986

REV. NO.	DATE	DRAWN	CHKD.	REMARKS

DESIGNED BY RJT
DRAWN BY NER
CHECKED BY
APPROVED BY
DATE DEC. 1987

CAMP DRESSER & McKEE INC.

CDM

WEST PASCO COUNTY CLASS III LANDFILL PERMIT AND CONSTRUCTION DRAWINGS

AREA MAP, EXISTING ZONING AND 100 YEAR FLOOD PRONE AREA

PASCO COUNTY, FLORIDA

PROJECT NO. 6104-07

SHEET NO. 2

REV. NO.	DATE	DRAWN	CHKD	REMARKS

DESIGNED BY R.J.T.
DRAWN BY N.E.R.
CHECKED BY
APPROVED BY
DATE DEC. 1987

CAMP DRESSER & McKEE INC.

CDM

WEST PASCO COUNTY CLASS III LANDFILL PERMIT AND CONSTRUCTION DRAWINGS

EXISTING AERIAL TOPOGRAPHY, SOIL BORINGS AND ON-SITE MONITORING WELLS

PASCO COUNTY, FLORIDA

PROJECT NO. 6104-07

SHEET NO. 3

N

SCALE: 1"=100'

CURVE DATA

	1	2	3	4	5	6
I =	89°45'14"	90°14'46"	54°12'56"	54°12'56"	125°47'02"	54°12'58"
R =	25.00'	25.00'	100.00'	124.00'	35.00'	35.00'
T =	24.89'	25.11'	51.19'	63.47'	68.37'	17.92'
C =	35.28'	35.43'	91.13'	113.00'	62.31'	31.90'
A =	39.16'	39.38'	94.62'	117.33'	76.84'	33.12'

	7	8	9	10	11	12
I =	90°00'09"	89°59'51"	89°59'51"	89°59'51"	90°00'09"	90°00'09"
R =	20.00'	20.00'	50.00'	64.00'	50.00'	64.00'
T =	20.00'	20.00'	50.00'	64.00'	50.00'	64.00'
C =	28.28'	28.28'	70.71'	90.51'	70.71'	90.51'
A =	31.42'	31.41'	78.54'	100.53'	78.54'	100.53'

HAYES ROAD

1 ACRE WHITE GOOD HOLDING AREA

RETENTION POND
TOP EL. 46.0
BOTTOM EL. 42.5

BORROW & WEEKLY COVER AREA

LOCKING DOUBLE SWING GATE

14' PERIMETER ROAD

PERIMETER SWALE

CELL 1

CELL 2

CELL 3

CELL 4

PC 32+70.28

PT 26+33.78

PC 25+53.78

PT 18+98.25

PT 33+59.81

PC RT 6+11.05

PC LT 5+81.05

PC 18+08.75

PC 40+67.09

24' ACCESS RD. STA. 21+34.02=
14' PERIMETER RD. STA. 0+00
PT 0+27.67

PC 38+83.81

PT LT 0+57

PT RT 0+27

PT 12+84.72

PT 39+73.34

PC 20+39.95

0.74%

PC 21+15.73

LOCKING DOUBLE SWING GATE

PC LT 4+59.59

14' PERIMETER RD. STA. 5+14.65=
10' ROAD STA. 0+00

PT LT 5+39.59

PC 11+95.18

0.0% SLOPE

24' ACCESS RD. STA.0+00 (E.O.P.)

MATCH E.O.P.

24' ACCESS ROAD

2% SLOPE

PC 13+44.90

PT 14+50.88

0.8% SLOPE

50' R. (TYP.)

LOCKING DOUBLE SWING GATE RECESSED 35' WITH 48' OF 6' HIGH MANPROOF FENCE ON EACH SIDE

MATCH E.O.P.

DORIAN MODJESKI
CERTIFICATE
No. 36517
STATE OF FLORIDA
REGISTERED ENGINEER

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: CJK
DRAWN BY: SRH
CHECKED BY:
APPROVED BY:
DATE: DEC. 1987

CAMP DRESSER & McKEE INC.

environmental engineers, scientists, planners, & management consultants

CDM

WEST PASCO COUNTY CLASS III LANDFILL PERMIT & CONSTRUCTION DRAWINGS

ACCESS & PERIMETER ROADWAYS

PASCO COUNTY, FLORIDA

PROJECT NO. 6104-07

SHEET NO. 4

DATE OF PLOT IS 8-JUN-1988 10:24

PLAT OF SURVEY

DESCRIPTION:

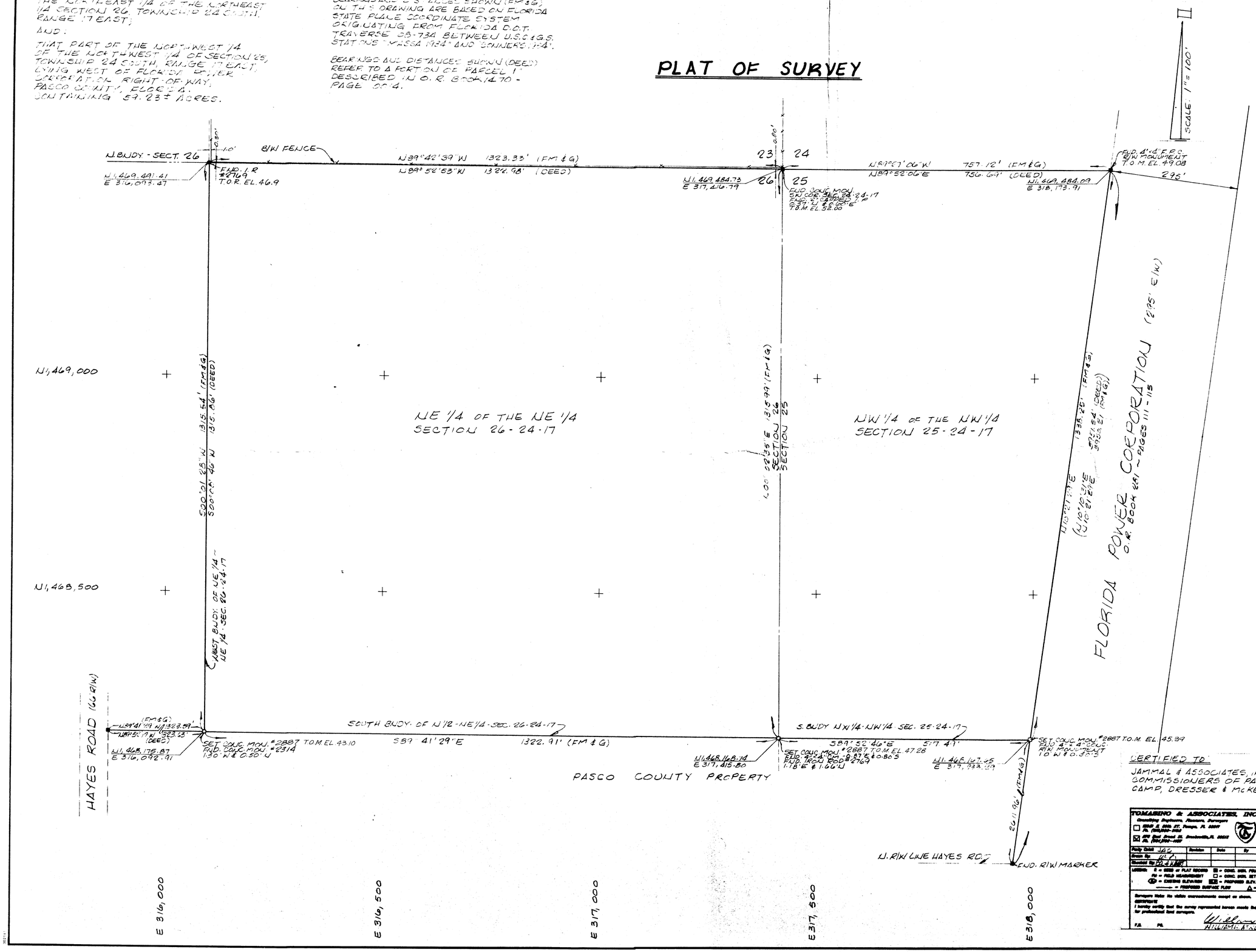
THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 SECTION 26, TOWNSHIP 24 SOUTH, RANGE 17 EAST;

AND:

THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 25, TOWNSHIP 24 SOUTH, RANGE 17 EAST, LYING WEST OF FLORIDA POWER CORPORATION RIGHT-OF-WAY, PASCO COUNTY, FLORIDA.
CONTAINING 59.23± ACRES.

BEARINGS AND DISTANCES SHOWN (FM&G) ON THIS DRAWING ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM ORIGINATING FROM FLORIDA D.O.T. TRAVERSE 33-734 BETWEEN U.S.C.&G.S. STATIONS "MASSA 1934" AND SONNERS, 1974".

BEARINGS AND DISTANCES SHOWN (DEED) REFER TO A PORTION OF PARCEL 1 DESCRIBED IN O.R. BOOK 1470 - PAGE 674.



CERTIFIED TO:

JAMMAL & ASSOCIATES, INC., BOARD OF COUNTY COMMISSIONERS OF PASCO COUNTY AND CAMP, DRESSER & McKEE, INC.

TOMASINO & ASSOCIATES, INC.
Consulting Engineers, Planners, Surveyors
☐ 5004 E. 40th St., Tampa, FL 33610
☒ 877 East Grand St., Brooksville, FL 33512

Job: JAMMAL & ASSOCIATES, INC. Date: 2-24-87 F.B. No. 350/41

Description: BOUNDARY SURVEY "SEE ABOVE"

Field Crew: JAG	Revision	Date	By
Drawn By:			
Checked By:			

LEGEND: E = EDGE OF PLAT BOUNDS; FM = FIELD MEASUREMENT; (X) = EXISTING ELEVATION; ■ = CONC. MON. FOUND; □ = CONC. MON. SET; ▲ = PROPOSED B.F.E.; ——— = PROPOSED SURFACE FLOW; ● = IRON PIN FOUND; ○ = IRON PIN SET; △ = FOUND CONTROL POINT; △ = SET CONTROL POINT; ELEVATIONS SHOWN REFER TO MEAN SEA LEVEL ☐ TO ASSUMED DATUM ☐

Surveyors Note: No visible encroachments except as shown.

CERTIFICATE:
I hereby certify that the survey represented hereon meets the requirements of Chapter 21 HH - 6, Florida Administrative Code, for professional land surveyors.

F.B. PG.

WILLIAM H. ATWOOD Professional Land Surveyor No. 2887 State of Florida

REMARKS

REV.	DATE	DRAWN	CHKD

DESIGNED BY: R.J.T.
DRAWN BY: NER
CHECKED BY: TGM
APPROVED BY:
DATE: DEC. 1987

CAMP DRESSER & McKEE INC.

CDM

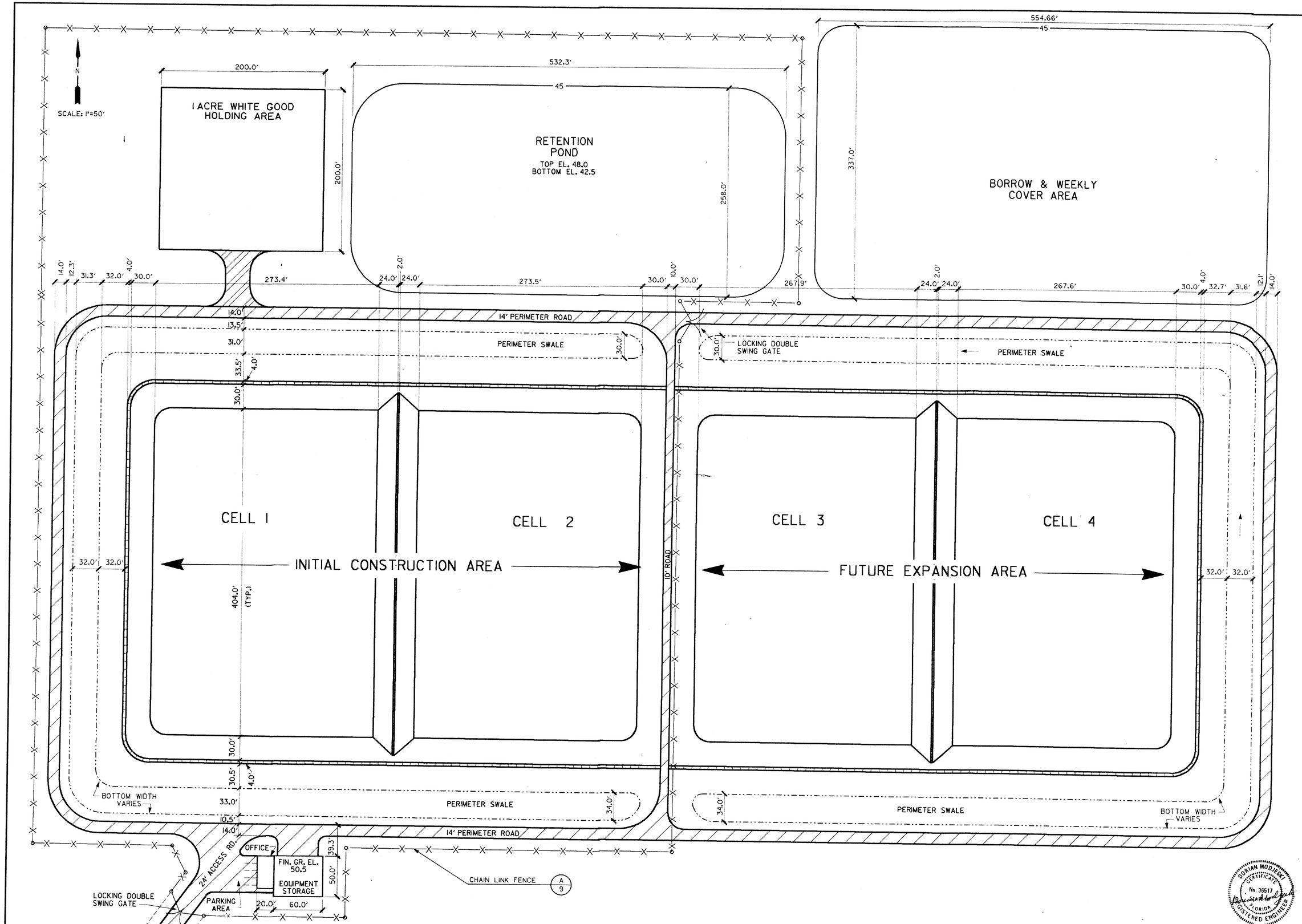
WEST PASCO COUNTY CLASS III LANDFILL PERMIT AND CONSTRUCTION DRAWINGS

BOUNDARY SURVEY AND LEGAL DESCRIPTION

PASCO COUNTY, FLORIDA

PROJECT NO 6104-07

SHEET NO 5



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
DATE:

CAMP DRESSER & McKEE INC.

environmental engineers, scientists, planners, & management consultants

CDM

WEST PASCO COUNTY CLASS III PERMIT & CONSTRUCTION DRAWINGS

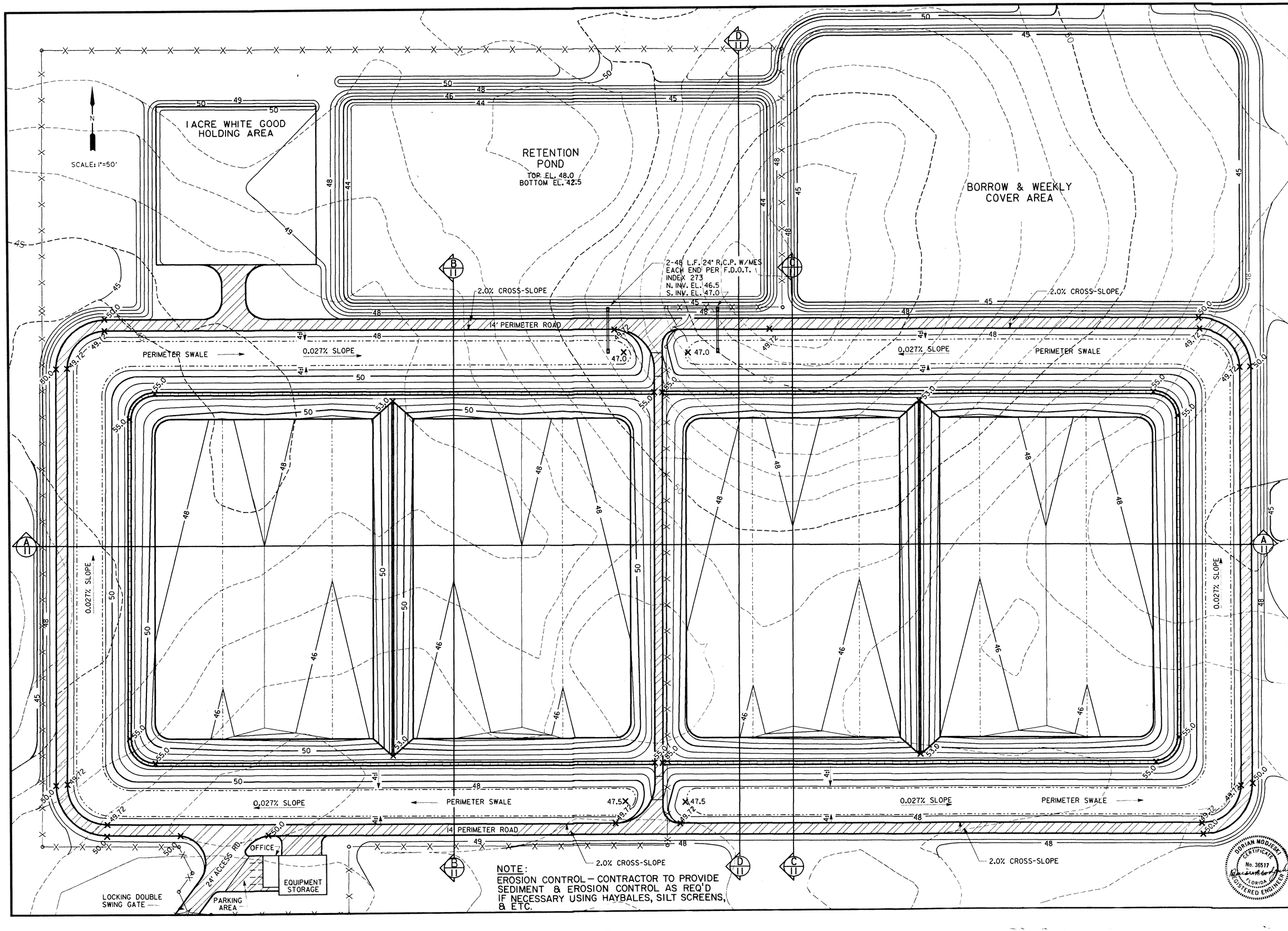
DIMENSION CONTROL PLAN

PASCO COUNTY, FLORIDA

DORIAN MODJESKI
CERTIFICATE
No. 36517
STATE OF FLORIDA
REGISTERED ENGINEER

PROJECT NO.
6104-07

SHEET NO.
6



NOTE:
EROSION CONTROL – CONTRACTOR TO PROVIDE SEDIMENT & EROSION CONTROL AS REQ'D IF NECESSARY USING HAYBALES, SILT SCREENS, & ETC.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: CJG
DRAWN BY: SRB
CHECKED BY:
APPROVED BY:
DATE: DEC. 1987

CAMP DRESSER & McKEE INC.

environmental engineers, scientists, planners & management consultants

CDM

WEST PASCO COUNTY CLASS III PERMIT & CONSTRUCTION DRAWINGS

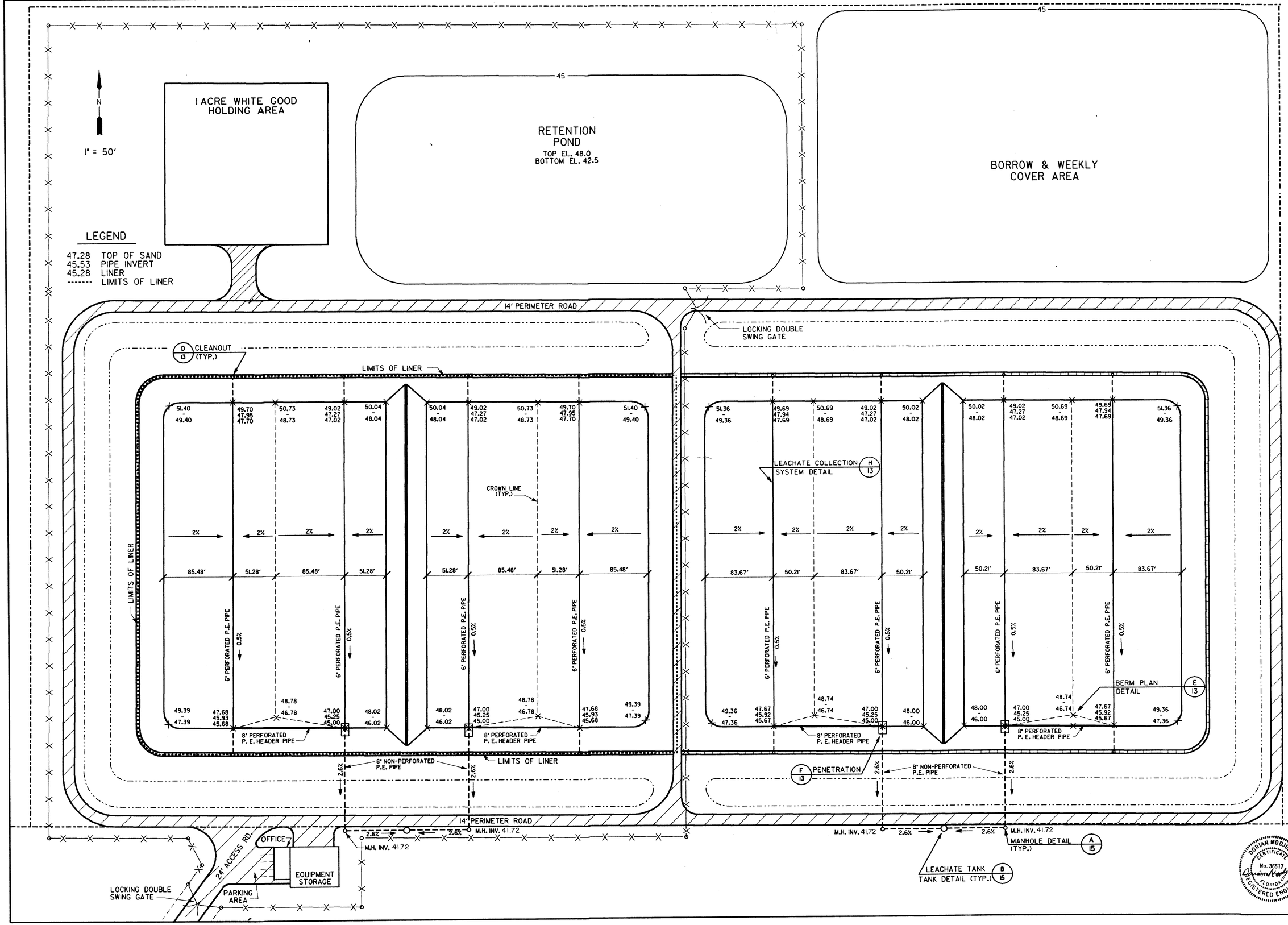
SITE GRADING PLAN

PASCO COUNTY, FLORIDA

PROJECT NO. 6104-07

SHEET NO. 7

DORIAN MODJESKI CERTIFICATE No. 36517 STATE OF FLORIDA REGISTERED ENGINEER



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: CJG
DRAWN BY: SAB
CHECKED BY:
APPROVED BY:
DATE: DEC. 1987

CAMP DRESSER & MCKEE INC.

environmental engineers, scientists, planners & management consultants

CDM

WEST PASCO COUNTY CLASS III PERMIT & CONSTRUCTION DRAWINGS

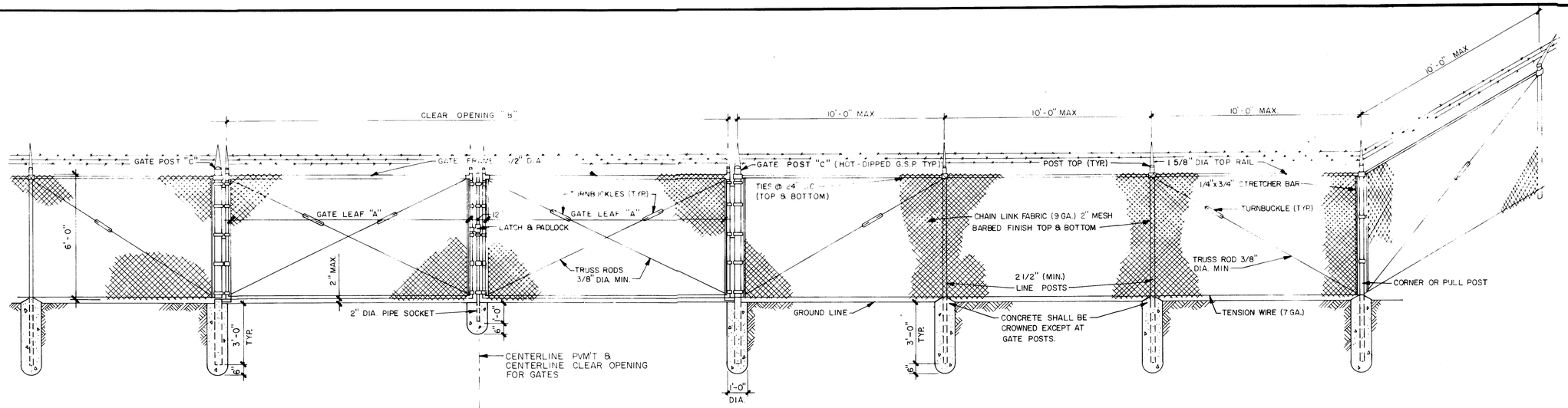
LEACHATE COLLECTION SYSTEM & LIMITS OF LINER

PASCO COUNTY, FLORIDA

DURIAN MODJESKI CERTIFICATE No. 36517 STATE OF FLORIDA REGISTERED ENGINEER

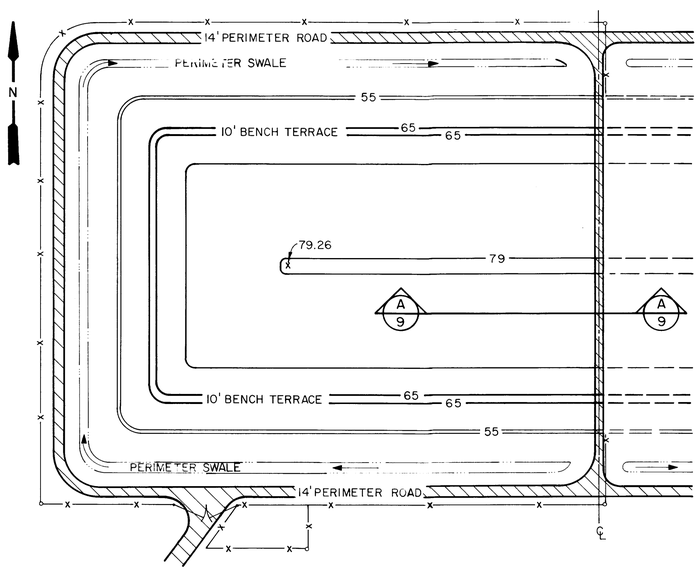
PROJECT NO. 6104-07

SHEET NO. 8



TYPICAL CHAIN LINK FENCE (A/6)

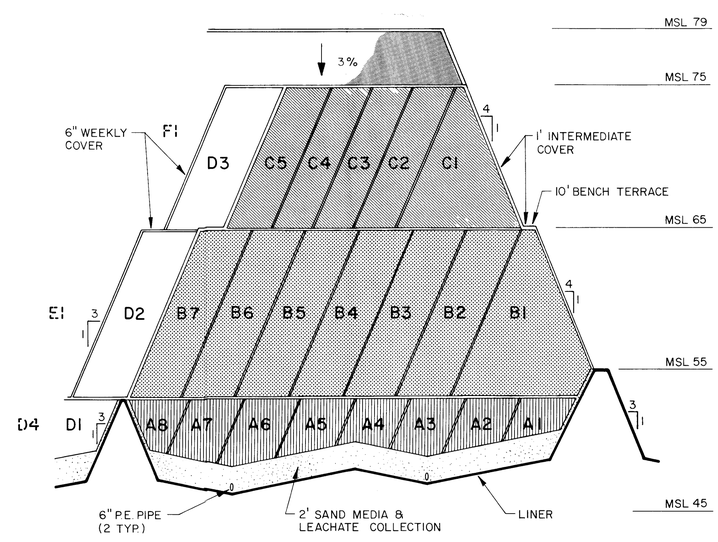
N.T.S.



CLOSEOUT PLAN

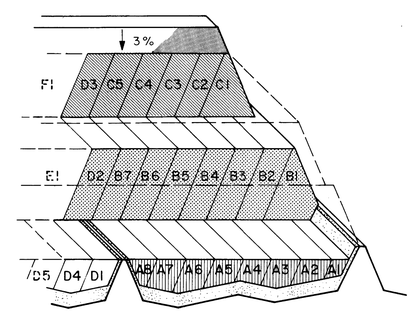
1"=100'

(SYMMETRICAL ABOUT CENTER LINE)



SECTION (A/9)

1"=50'H, 1"=5'V



LIFT SEQUENCE

N.T.S.

Dorian Modjeski 1/21/88

DORIAN MODJESKI CERTIFICATE No. 39517 STATE OF FLORIDA REGISTERED ENGINEER

REV NO	DATE	DRWN	CHKD	REMARKS

DESIGNED BY RJT
DRAWN BY ALS
CHECKED BY RJT
APPROVED BY Dm
DATE DEC. 1987

CAMP DRESSER & McKEE INC.

environmental engineers, scientists, planners, & management consultants

CDM

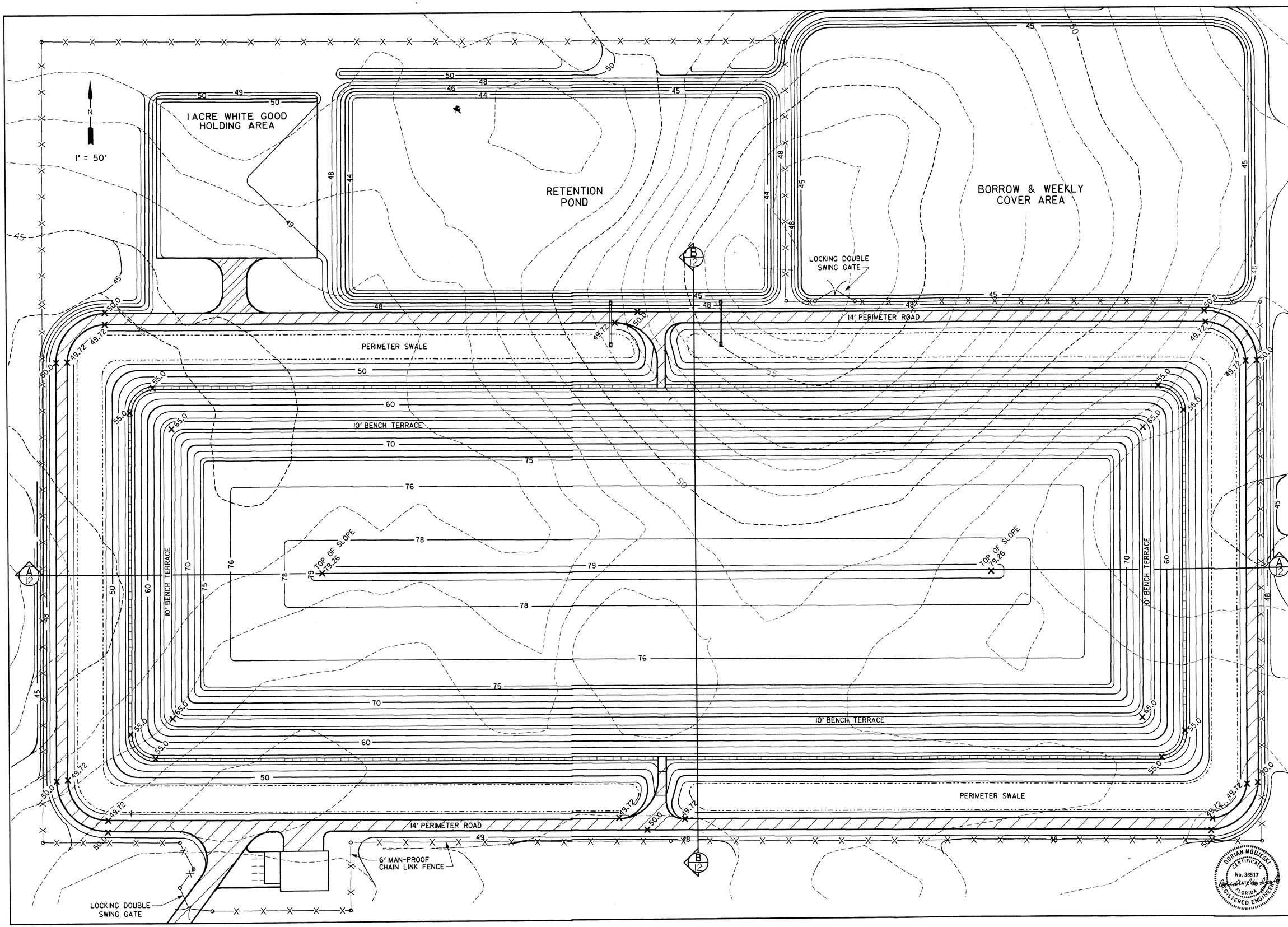
WEST PASCO COUNTY CLASS III LANDFILL PERMIT AND CONSTRUCTION DRAWINGS

PLAN OF OPERATIONS

PASCO COUNTY, FLORIDA

PROJECT NO 6104-07

SHEET NO 9



REV. NO.	DATE	DRWN.	CHKD	REMARKS

DESIGNED BY: CJG
DRAWN BY: SRB
CHECKED BY:
APPROVED BY:
DATE: DEC. 1987

CDM

CAMP DRESSER & McKEE INC.

WEST PASCO COUNTY CLASS III PERMIT & CONSTRUCTION DRAWINGS

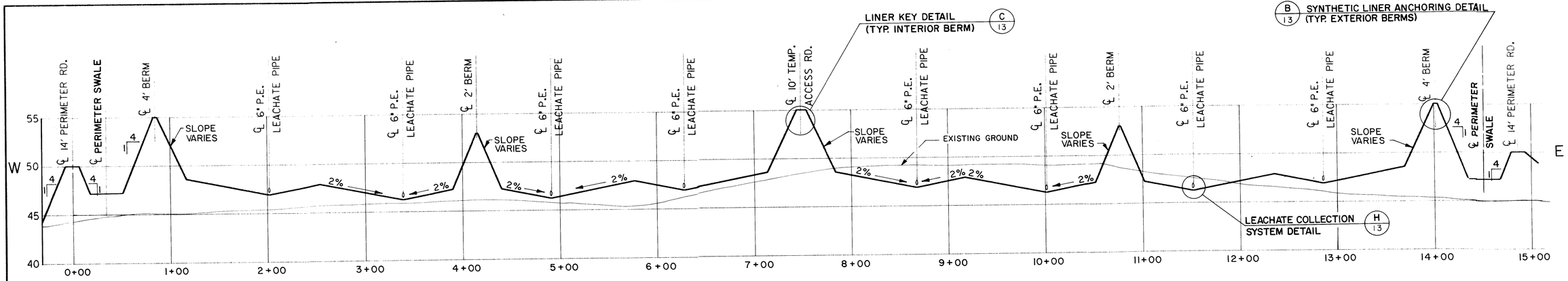
FINAL CLOSEOUT CONTOURS

PASCO COUNTY, FLORIDA

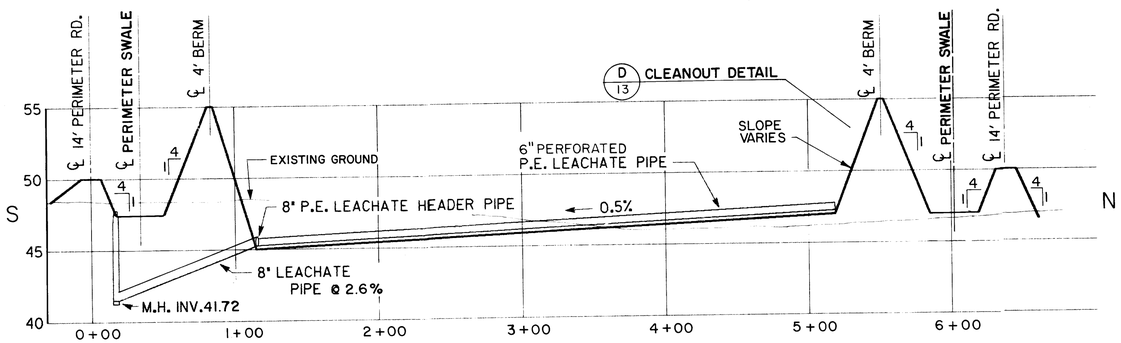
PROJECT NO. 6104-07

SHEET NO. 10

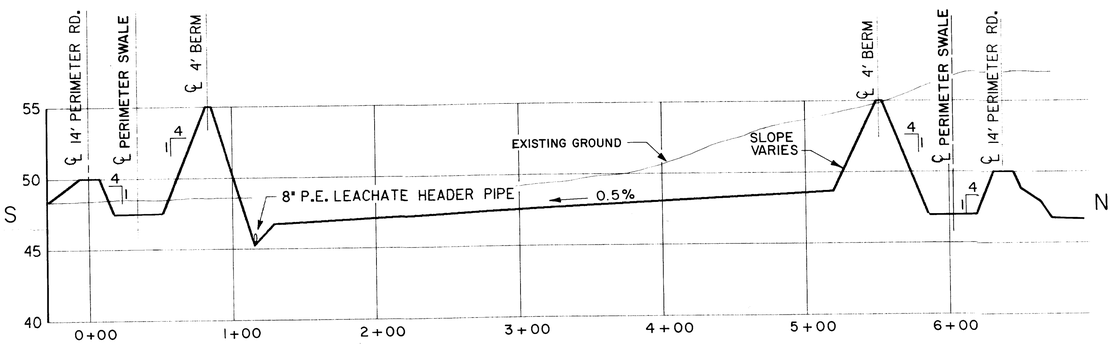
DORIAN MODJESKI CERTIFICATE No. 36517 STATE OF FLORIDA REGISTERED ENGINEER



SECTION A/7
SCALE: 1"=50 H, 5' V



SECTION B/7
SCALE: 1"=50 H, 5' V



SECTION C/7
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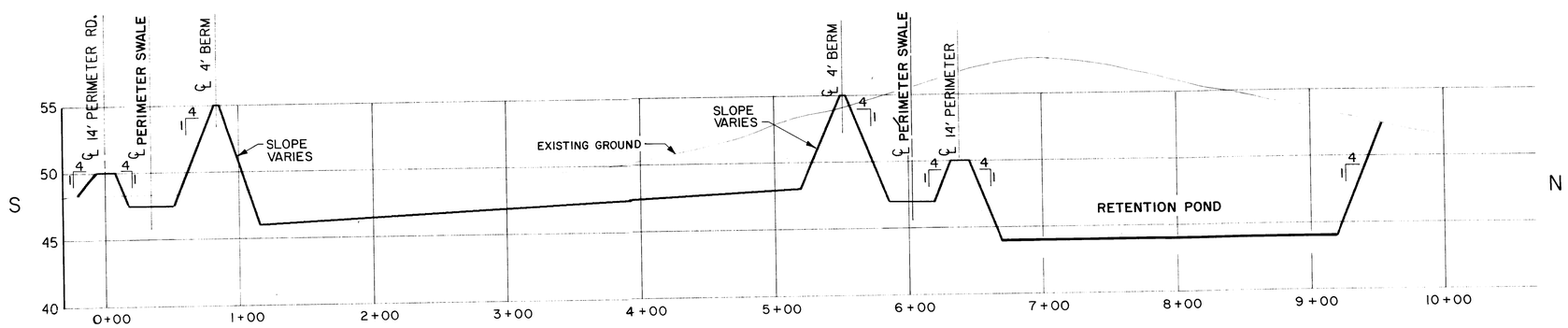


SECTION D/7
SCALE: 1"=50 H, 5' V

DORIAN MODJESKI CERTIFICATE No. 39517 STATE OF FLORIDA REGISTERED ENGINEER

Dorian Modjeski 1/21/88

REV. NO.	DATE	DRAWN	CHK'D	REMARKS

DESIGNED BY: RJT
DRAWN BY: NER
CHECKED BY: RSH
APPROVED BY: PM
DATE: DEC. 1987

CDM
environmental engineers, scientists, planners & surveyors

CAMP DRESSER & McKEE INC.

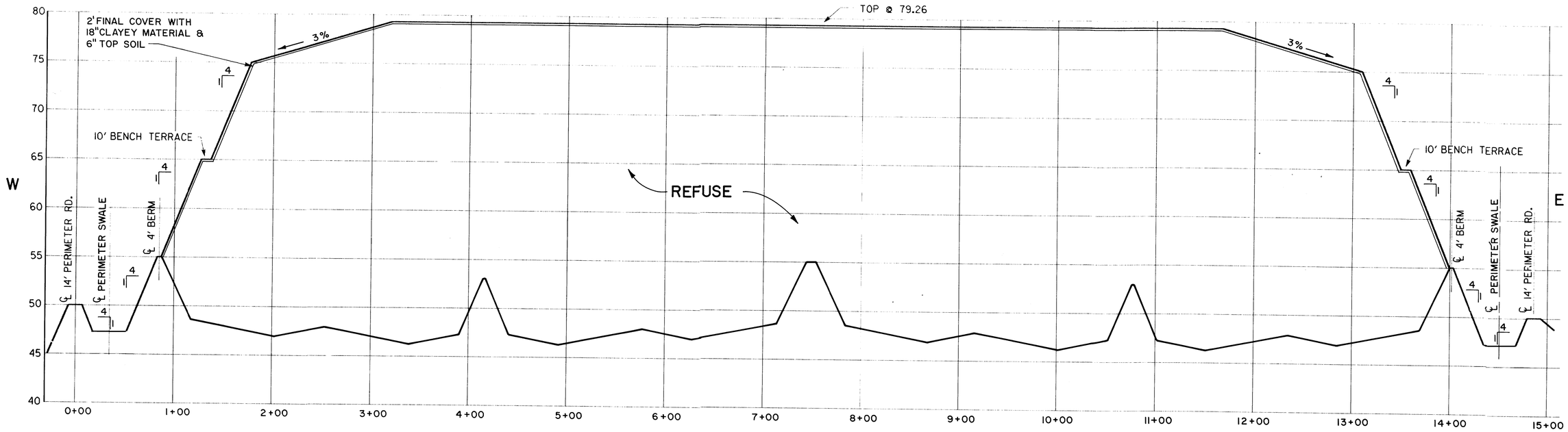
WEST PASCO COUNTY CLASS III LANDFILL PERMIT AND CONSTRUCTION DRAWINGS

TYPICAL CROSS SECTIONS

PASCO COUNTY, FLORIDA

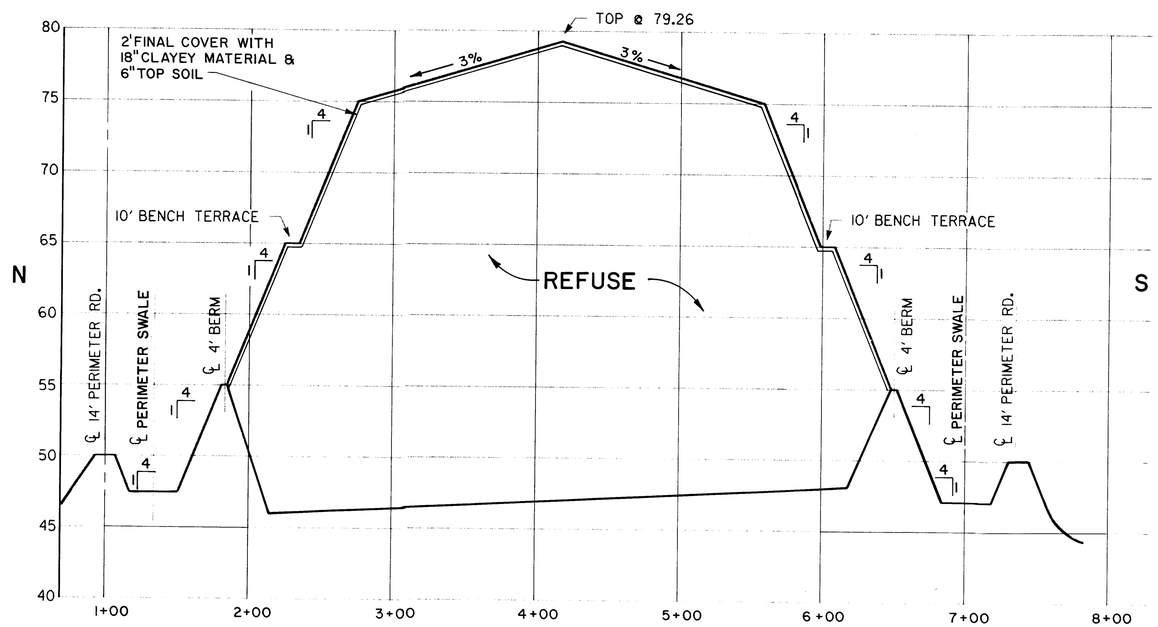
PROJECT NO. 6104-07

SHEET NO. 11



SECTION A/10

SCALE: 1"=50 H, 5' V



SECTION B/10

SCALE: 1"=50 H, 5' V

DORIAN MODJESKI
CERTIFICATE
No. 30517
STATE OF FLORIDA
REGISTERED ENGINEER

Dorian Modjeski 1/21/88

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: RJT
DRAWN BY: NER
CHECKED BY: [illegible]
APPROVED BY: DM
DATE: DEC. 1987

CAMP DRESSER & McKEE INC.

CDM
environmental engineers, scientists, planners, & management consultants

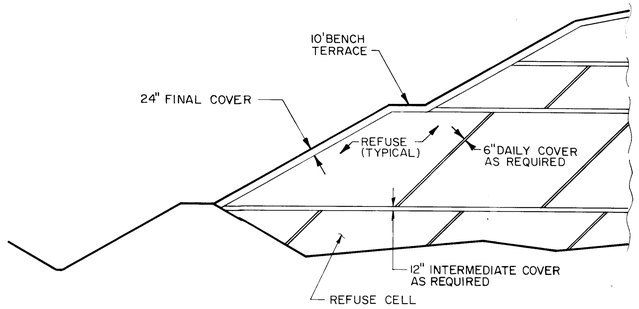
WEST PASCO COUNTY CLASS III LANDFILL PERMIT AND CONSTRUCTION DRAWINGS

FINAL CLOSEOUT CROSS SECTIONS

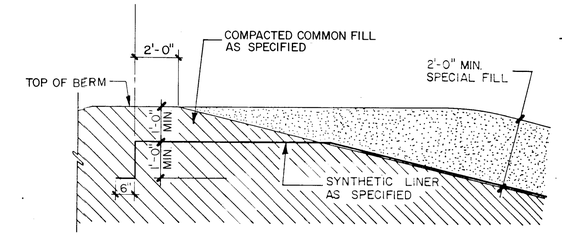
PASCO COUNTY, FLORIDA

PROJECT NO. 6104-07

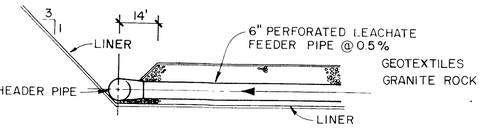
SHEET NO. 12



WORKING FACE LANDFILL DETAIL (A)
N.T.S.



SYNTHETIC LINER ANCHORING DETAIL (B/11)
N.T.S.



SECTION (AA/—)
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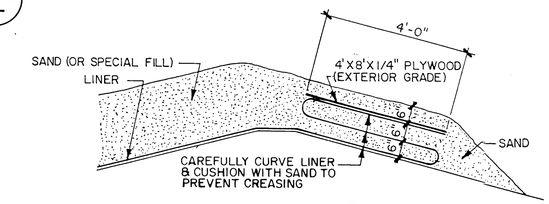

LINER KEY DETAIL (C/11)
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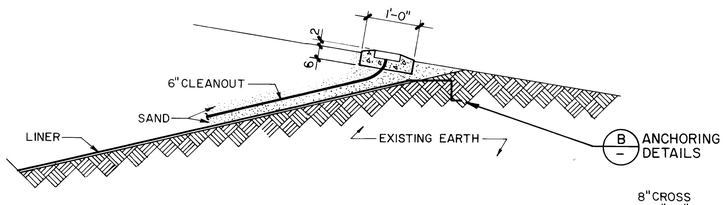

CLEANOUT DETAIL (D/8,11)
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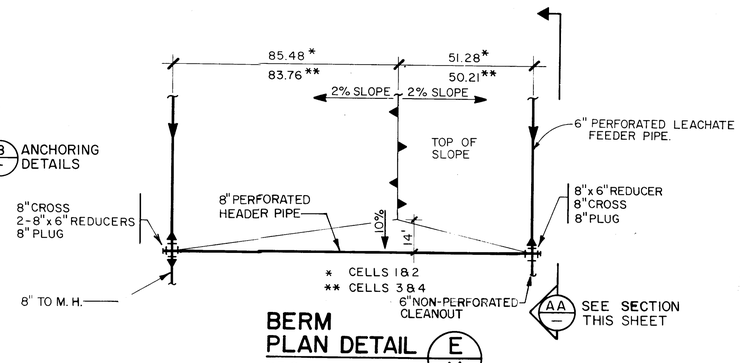

BERM PLAN DETAIL (E/11)
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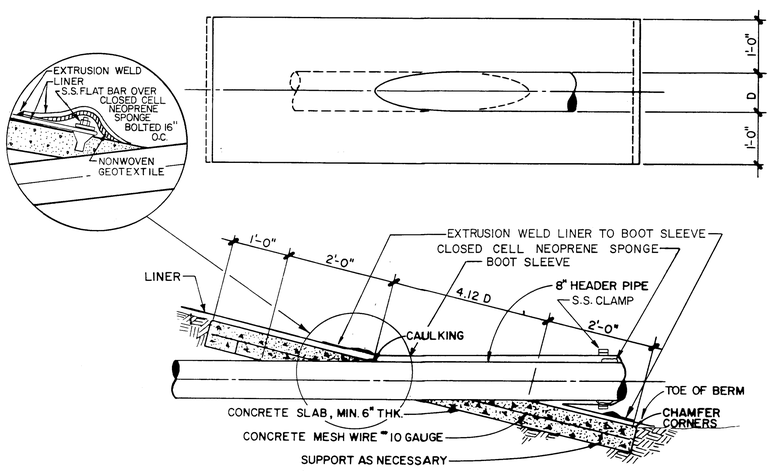
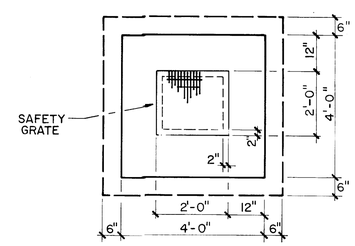
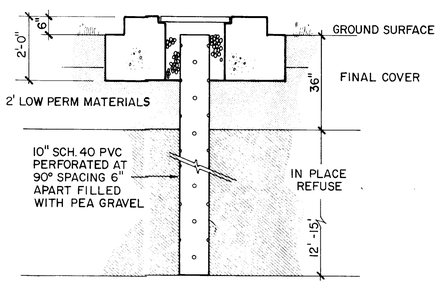


LINER PENETRATION DETAIL (C)
N.T.S.





GAS VENT DETAIL (G)
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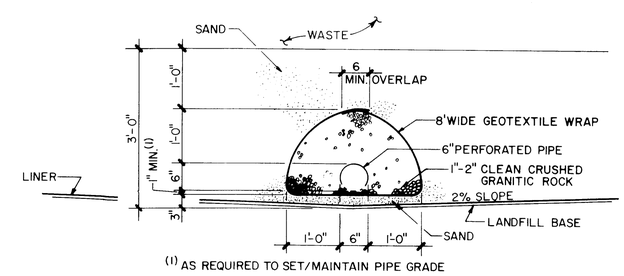


(1) AS REQUIRED TO SET/MAINTAIN PIPE GRADE

LEACHATE COLLECTION SYSTEM DETAIL (H/8,11)
SCALE: 3/4" = 1'-0"

DORIAN MODJESKI CERTIFICATE No. 39517 STATE OF FLORIDA REGISTERED ENGINEER

Dorian Modjeski 1/21/93

REV NO	DATE	DRWN	CHKD	REMARKS

DESIGNED BY DM
DRAWN BY DLC
CHECKED BY
APPROVED BY DM
DATE DEC. 1987

CAMP DRESSER & McKEE INC.
environmental engineers, scientists, planners & management consultants
CDM

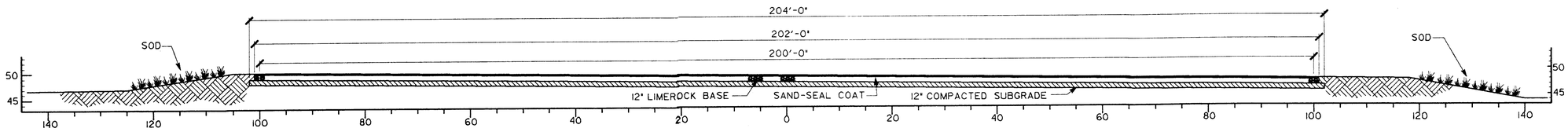
WEST PASCO COUNTY CLASS III LANDFILL PERMIT AND CONSTRUCTION PERMITS

MISCELLANEOUS DETAILS

PASCO COUNTY, FLORIDA

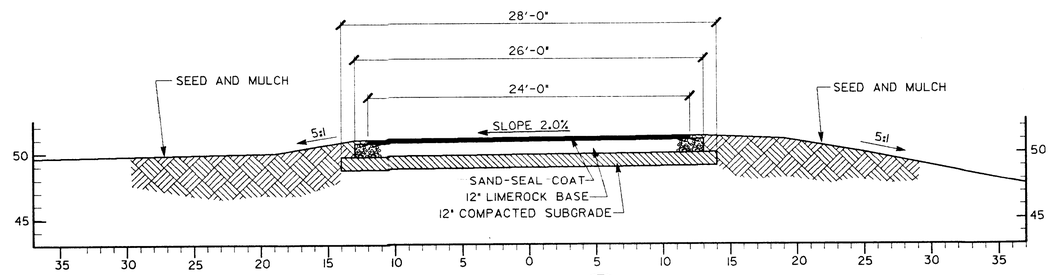
PROJECT NO 6104-07

SHEET NO 13



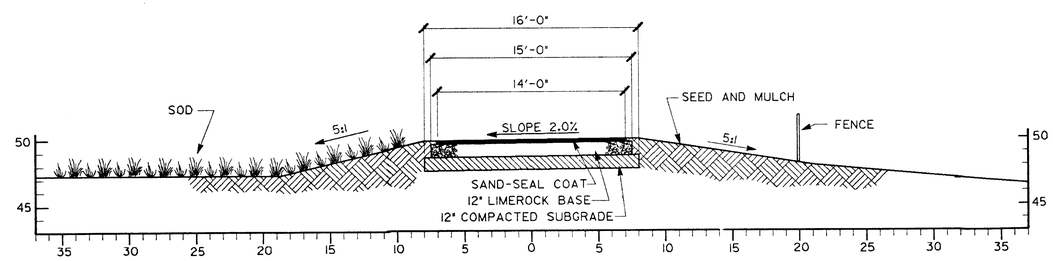
SECTION A / 4

SCALE: 3/32" = 1'-0"



SECTION B / 4

SCALE: 3/16" = 1'-0"



SECTION C / 4

SCALE: 3/16" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: CJG
DRAWN BY: SRB
CHECKED BY:
APPROVED BY:
DATE: DEC. 1987

CAMP DRESSER & McKEE INC.

CDM
environmental engineers, scientists, planners & management consultants

WEST PASCO CLASS III PERMIT & CONSTRUCTION DRAWINGS

MISCELLANEOUS DETAILS

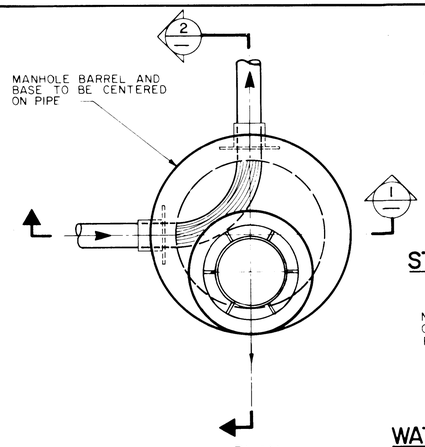
PASCO COUNTY, FLORIDA

PROJECT NO. 6104-07

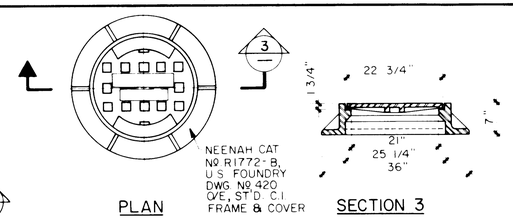
SHEET NO. 14

DORIAN MODJESKI CERTIFICATE No. 36517 STATE OF FLORIDA REGISTERED ENGINEER

DATE OF PLOT IS 16-JUN-1988 15:14

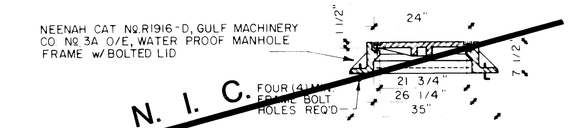


PLAN



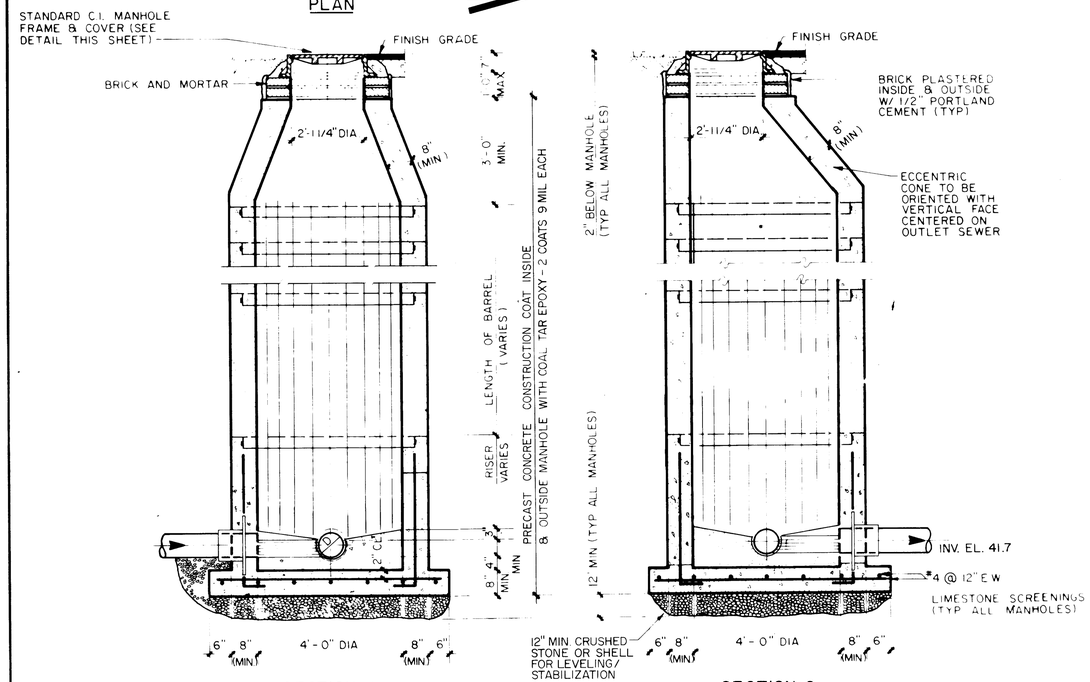
PLAN SECTION 3

STANDARD C.I. MANHOLE FRAME & COVER



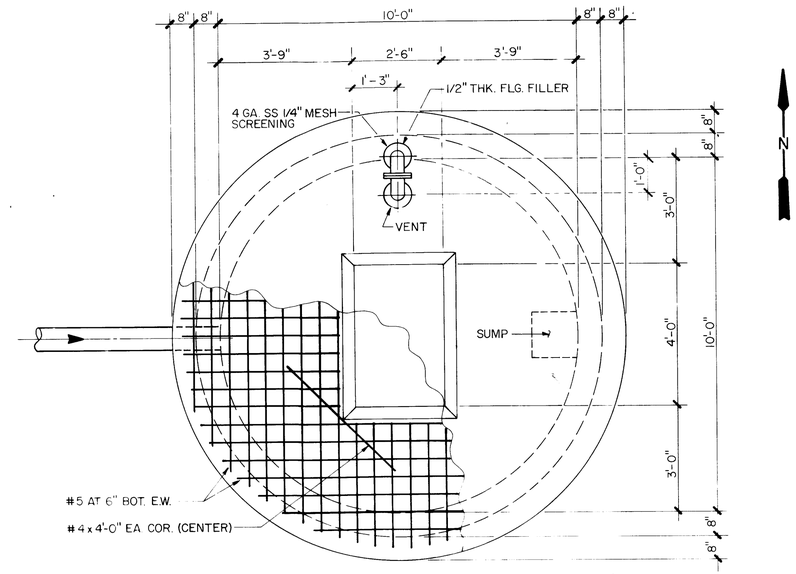
N. I. C.

WATERPROOF MANHOLE FRAME & BOLTED LID

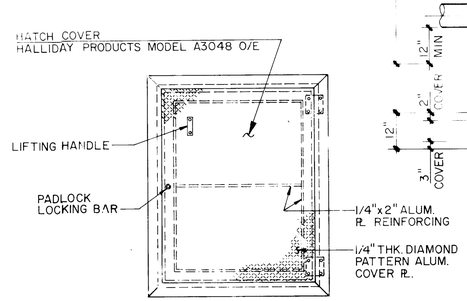


SECTION 1 SECTION 2

STANDARD MANHOLE DETAIL (A)

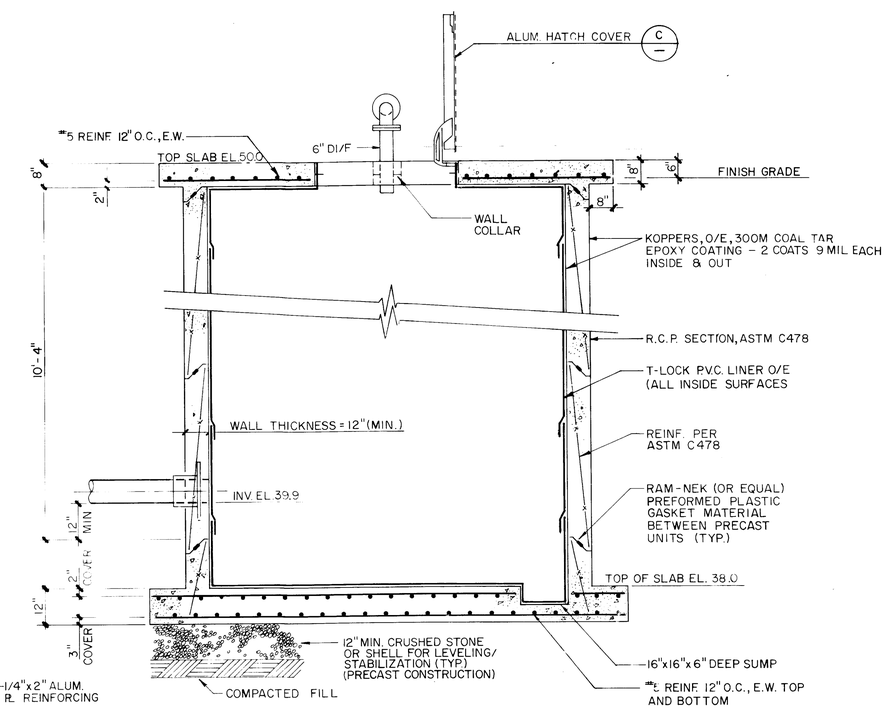


PLAN



ACCESS HATCH DETAIL (C)

NTS



LEACHATE HOLDING TANK DETAIL (B)

N.T.S.

GENERAL NOTES

1. A PVC SHEET LINE OR FIBERGLASS LINER SHALL BE INSTALLED, AT THE CONTRACTORS OPTION, IN THE LEACHATE MANHOLE AND HOLDING TANK. SEE SPECIFICATIONS.
2. CONNECTIONS TO MANHOLE MUST BE SUPPORTED OUTSIDE THE MANHOLE WALL OVER THE FIRST LENGTH OF PIPE OR AT LEAST 4 FEET WITH CRUSHED STONE OR SHELL FROM BOTTOM OF MANHOLE EXCAVATION TO CENTER LINE OF PIPE BARREL.
3. THE MANHOLE SHELF SHALL SLOPE TOWARD THE INVERT CHANNEL AT THE RATE OF 1"/FT BUT A MIN. 3" DIFFERENCE SHALL BE MAINTAINED FROM THE 0.8 POINT OF THE CHANNEL TO THE WALL.
4. MANHOLE SECTIONS SHALL BE JOINED TOGETHER WITH EITHER RAM NEK, RUBBER GASKETS, OR EQUAL.
5. MANHOLE SHALL BE CONSTRUCTED OF PRECAST CONCRETE (BASES, BARRELS AND CONES) WITH CAST-IN-PLACE FLEXIBLE RUBBER MANHOLE SLEEVES. PROVIDE COATING ON ALL OUTSIDE WALLS AND BASES AS SPECIFIED.
6. REINFORCING FOR PRE-CAST MANHOLES AS PER MANUFACTURER'S RECOMMENDATIONS (TYP. ALL MANHOLES).
7. FLAT PVC SHEET LINER IN THE MANHOLE SHALL BE CLOSELY FITTED OVER CHANNEL AND BENCHES AND SHALL BE PROPERLY SECURED TO CONCRETE SURFACES WITH ADHESIVE AND MECHANICAL FASTENERS.
8. HOLDING TANK SHALL BE CONSTRUCTED OF 6'-0" MAX. LG SECTIONS OF REINFORCED CONCRETE PIPE, IN ACCORDANCE WITH ASTM C-478, WALL THICKNESS, ASTM C-76, WALL "B" WITH CAST-IN-PLACE FLEXIBLE RUBBER MANHOLE SLEEVE. NO OPENINGS SHALL BE WITHIN 12" OF THE END OF ANY SECTION.
9. INTERIOR OF HOLDING TANK SHALL BE LINED WITH A GAS-IMPERVIOUS PVC MEMBRANE FROM TOP TO BOTTOM.
10. FLAT PVC SHEET LINER IN THE HOLDING TANK SHALL BE CLOSELY FITTED OVER SUMP AND BOTTOM SLAB AND SHALL BE PROPERLY SECURED TO CONCRETE SURFACES WITH ADHESIVE AND WELDED TO T-LOCK AT WALL.
11. ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL HAVE A BITUMINASTIC COATING (2 COATS, 9 MILS EACH COAT).
12. CAST-IN-PLACE FLEXIBLE RUBBER SLEEVES SHALL FORM A TIGHT WATER STOP. THE SLEEVE SECTION SHALL BE SLIPPED OVER THE END OF THE PIPE ADJACENT TO THE MANHOLE, HOLDING TANK BASE TO MAKE A WATERTIGHT UNION. THE PIPE AND SLEEVE SHALL BE FIRMLY SECURED WITH TWO (2) STAINLESS STEEL STRAP CLAMPS, DRAW BOLTS, AND NUTS.

DORIAN MODLESKI CERTIFICATE No. 36517 STATE OF FLORIDA REGISTERED ENGINEER

Dorian Modleski 1/21/88

DESIGNED BY	RJT
DRAWN BY	DLC
CHECKED BY	
DATE	DEC 1987

CAMP DRESSER & McKEE INC.

CDM

WEST PASCO COUNTY CLASS III LANDFILL PERMIT AND CONSTRUCTION DRAWINGS

TYPICAL MANHOLE & HOLDING TANK DETAIL

PASCO COUNTY, FLORIDA

6104-07