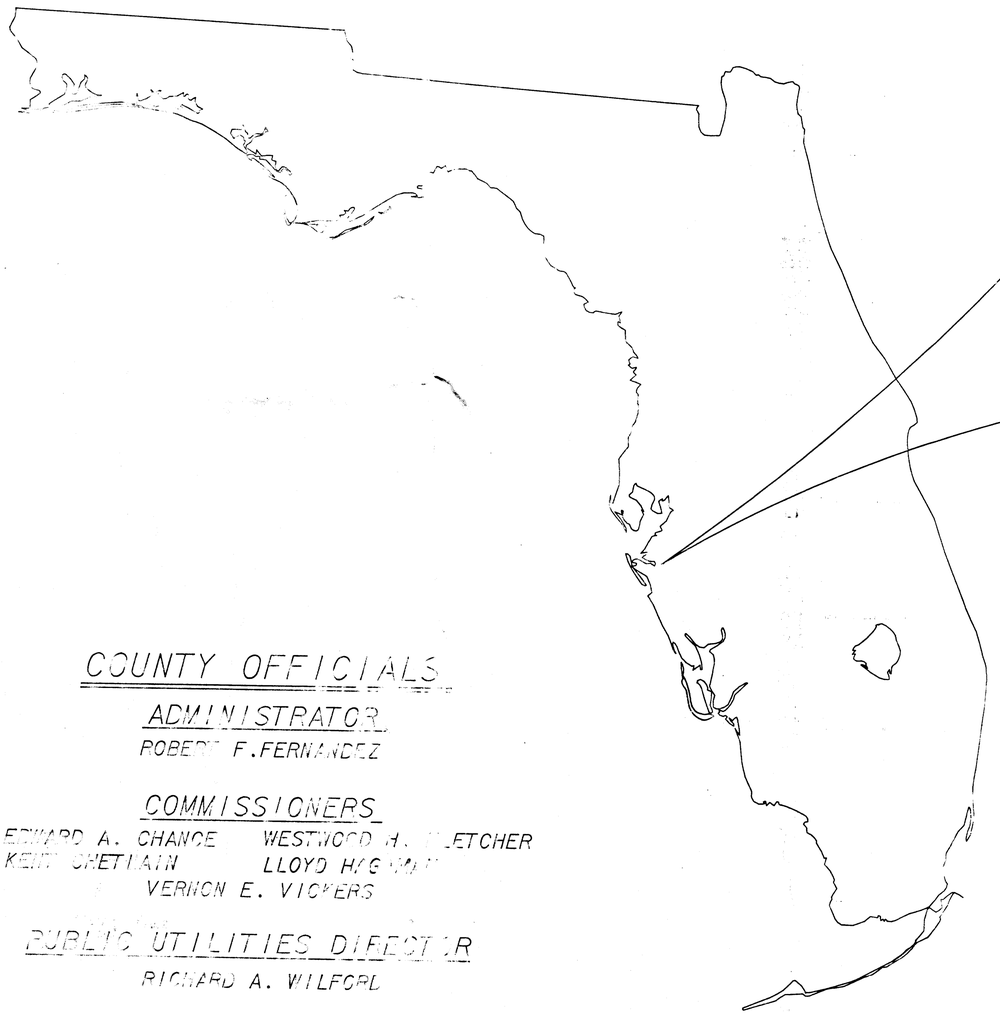
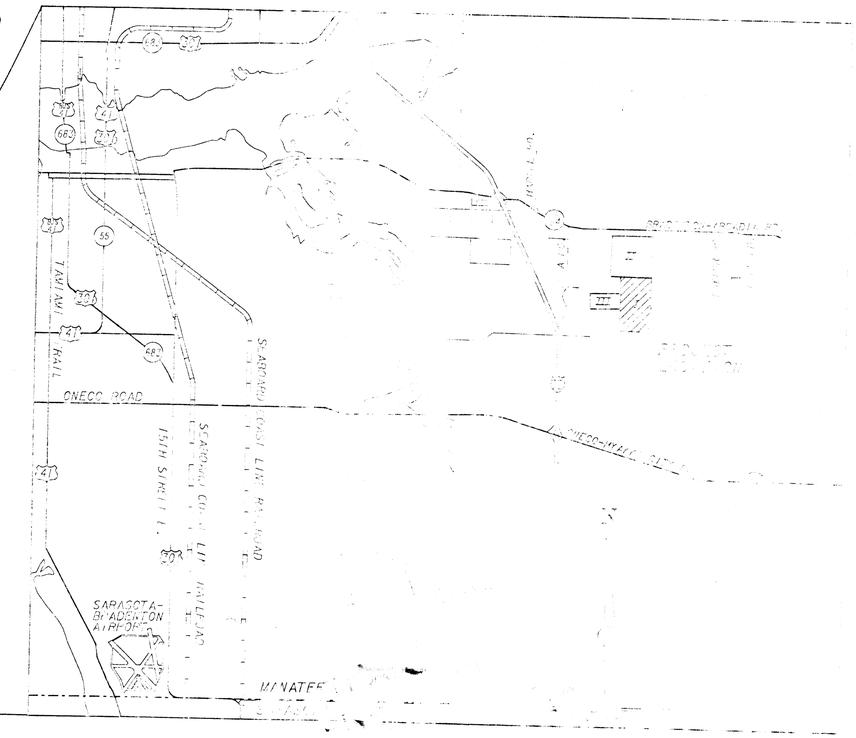
LENA ROAD LANDFILL IMPROVEMENTS
STAGE I
PART A - SLURRY WALL & LEACHATE COLLECTION SYSTEM
MANATEE COUNTY, FLORIDA





COUNTY OFFICIALS

ADMINISTRATOR
ROBERT F. FERNANDEZ

COMMISSIONERS
EDWARD A. CHANCE — WESTWOOD H. FLETCHER
KENT CHETLAIN — LLOYD HAGAMAN
VERNON E. VICKERS

PUBLIC UTILITIES DIRECTOR
RICHARD A. WILFORD

PAGE NO.	TABLE OF CONTENTS	FILE NO.
1	LOCATION MAP	1555
2	EXISTING SITE PLAN	11580
3	EXISTING TOPOGRAPHY & OVERALL PLAN	1150
4	OVERALL DEVELOPMENT PLAN	1150
5	CROSS SECTIONS	11[illegible]
6	DETAILS	1156

D.E.R.
OCT 19 1992
SOUTHWEST DISTRICT
TAMPA

2-10-86	DRAWING	DRN	CHKD
REVISIONS		BY	APPROVED

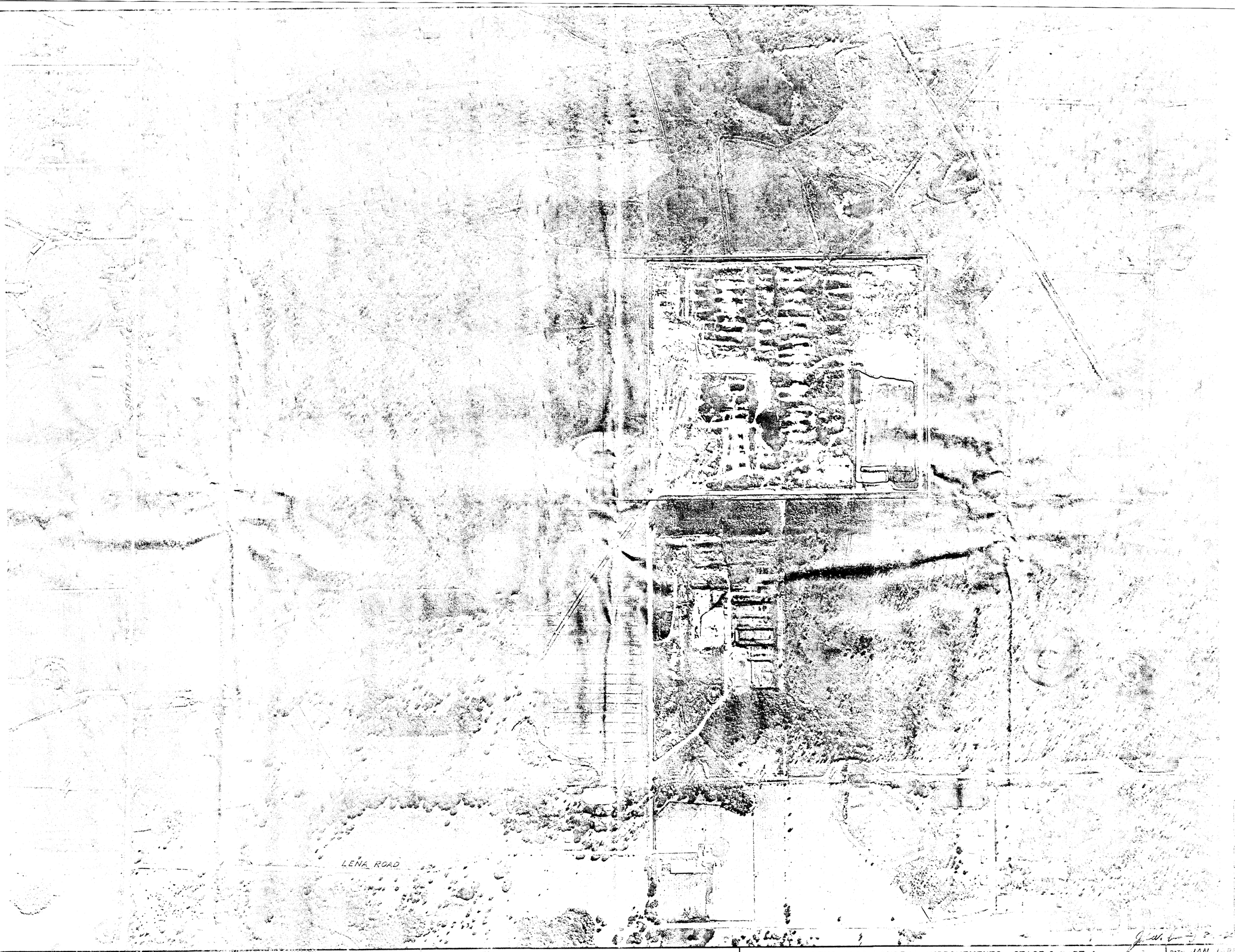
SUBMITTED: WILSON & ASSOCIATES

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS STAGE I PART A
LOCATION MAP
MANATEE COUNTY, FLORIDA

IMAGE QUALITY

AS YOU VIEW THE NEXT PAGE(S), PLEASE NOTE THAT THE ORIGINAL DOCUMENT WAS OF POOR QUALITY



NOTE:
DATE FLOWN:
10/13/89

STAGE	ACTION DATE
RD	5.2.90
P	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING ONLY
C	FOR CONSTRUCTION
R	POSTAL REVIEW
	PERMIT(S) BEING HELD
A	APPROVAL
C	BLACK PRINT
RD	RECORD DRAWING

	DESIGNED	JMC	
1 5-90	DRAWN	GJS	
NO. DATE REVISION	CHECKED	LAP	
BY			

SOUTHERN RESOURCE MAPPING CORP.
ORMOND BEACH, FLORIDA

PRINCIPAL
PROJECT ENGINEER
APPROVED

oriley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART A
EXISTING SITE PLAN
MANATEE COUNTY, FLORIDA

DATE:	JAN. 1990
SCALE:	1" = 400'
SHEET NO.	2 OF 6
PROJ. NO.	8204-6
FILE NO.	11560

EXISTING LCHF

THIS LINE DENOTES LIMIT OF WORK

NOTE:

TOPO BASED ON AERIAL PHOTOGRAPHY DATE FLOWN: 10/13/88

NOTE:

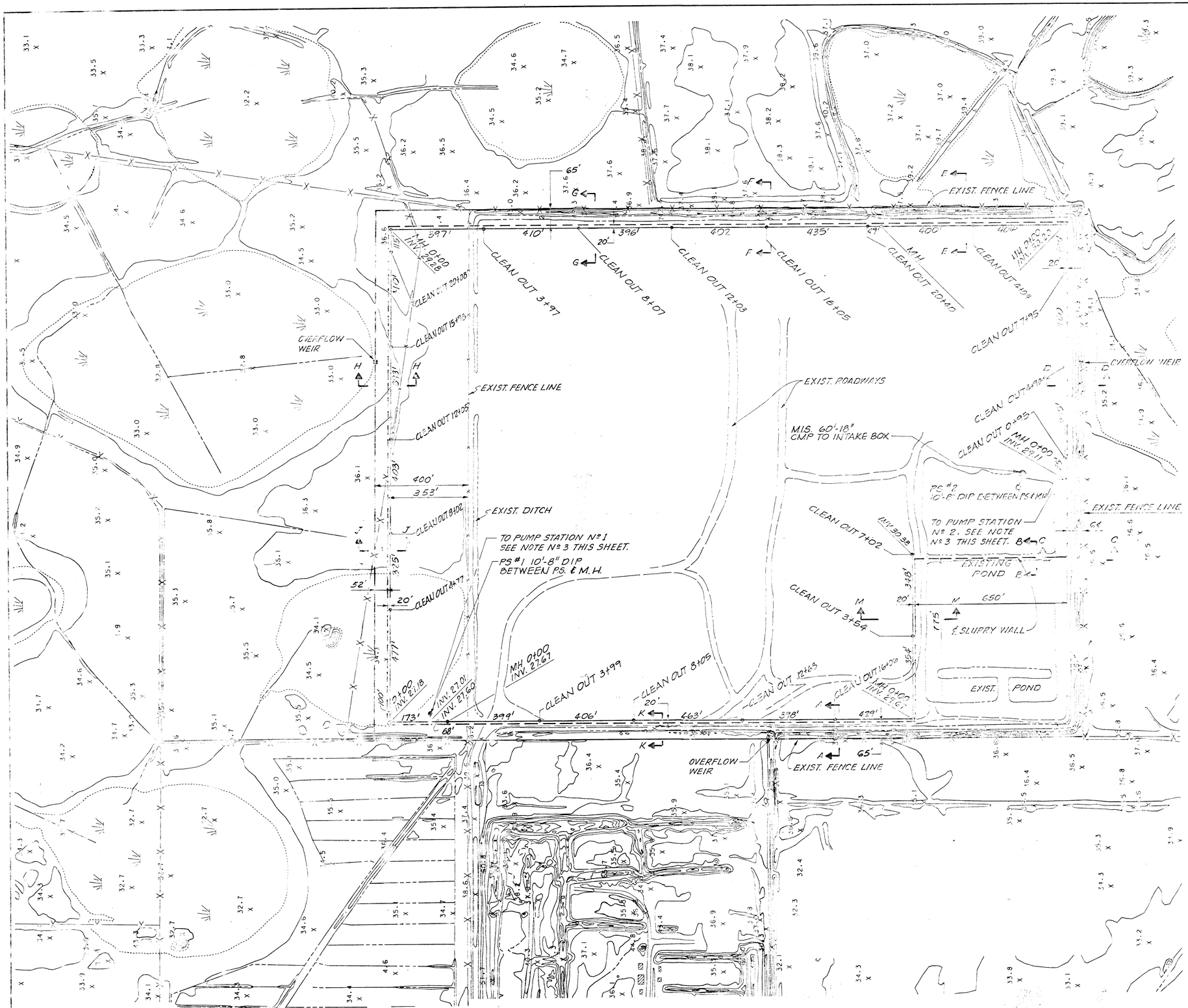
"TOPOGRAPHY WITHIN ACTIVE PORTION OF LANDFILL DIFFERS FROM THAT INDICATED.

DESIGNED	JWC
DRAWN	GIS
CHECKED	MPC

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART A
EXISTING TOPOGRAPHY - OVERALL PLAN
MANATEE COUNTY, FLORIDA

DATE: JAN. 1989
SCALE: 1" = 300'
SHEET NO. 3 OF 6



	REVISED PENDING	DESIGNED	JMC
	THESE AS SECTION M-M	DRAWN	GIS
NO.	DATE BY REVISION	CHECKED	

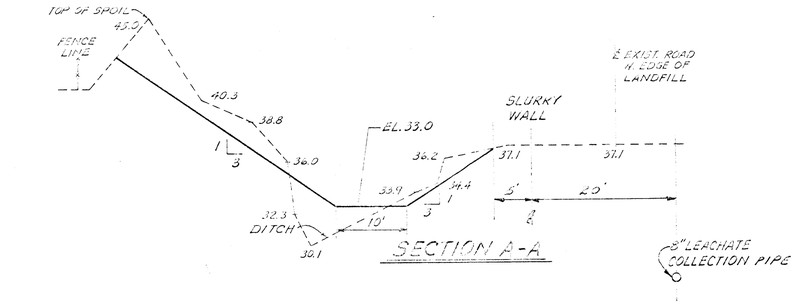
SUBMITTED: BRILEY, WILD & ASSOCIATES
PROJECT ENGINEER
APPROVED:

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

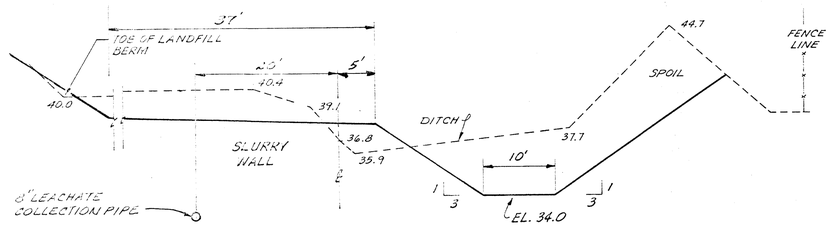
LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART A
OVERALL DEVELOPMENT PLAN
MANATEE COUNTY, FLORIDA

STATUS	APP.
P	PRELIMINARY
P	PRELIMINARY
P	PRELIMINARY
P	PRELIMINARY
C	PRELIMINARY
P	PRELIMINARY
P	PRELIMINARY
A	APPROVAL
	CHECK PRINT
	BID PRINT

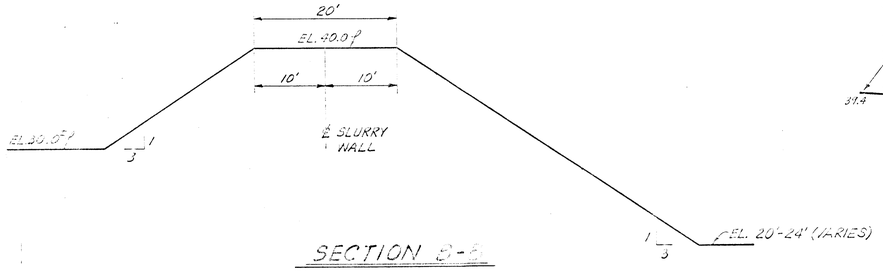
DATE JAN. 1988
SCALE 1" = 200'
SHEET NO. 4 OF 6



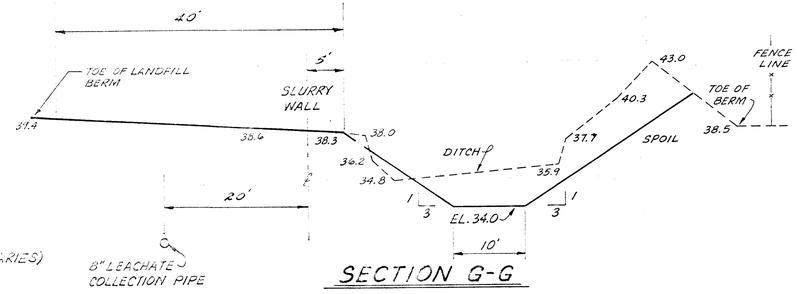
SECTION A-A



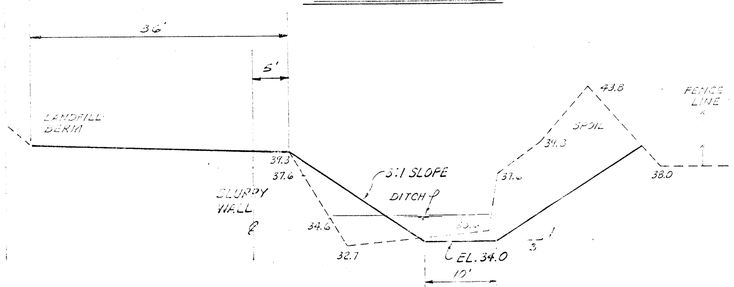
SECTION F-F



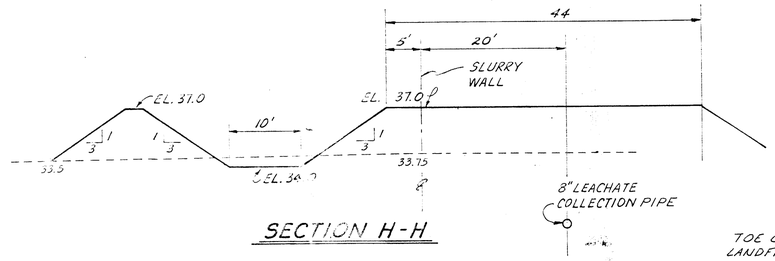
SECTION B-B



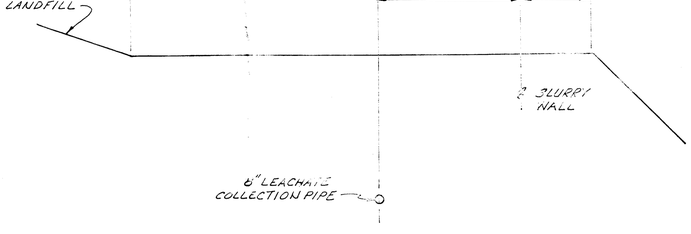
SECTION G-G



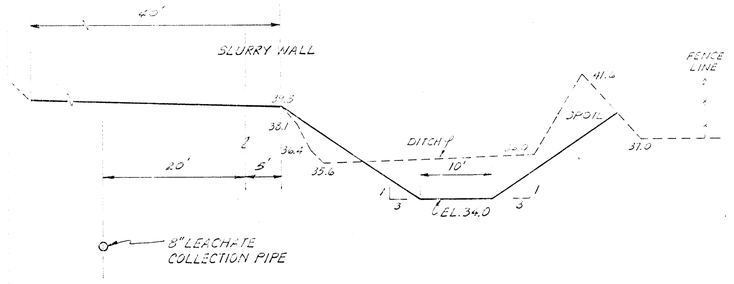
SECTION C-C



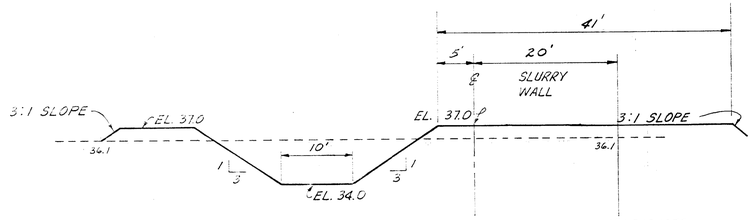
SECTION H-H



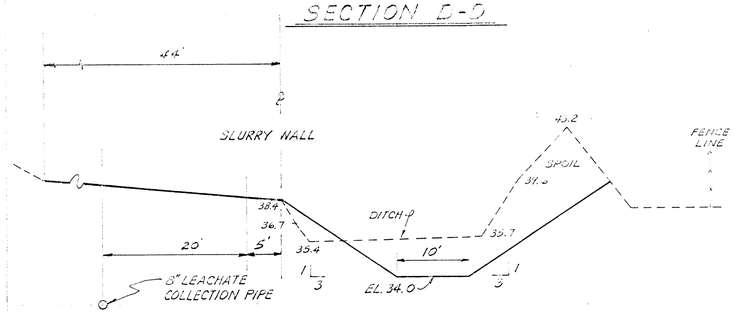
SECTION M-M



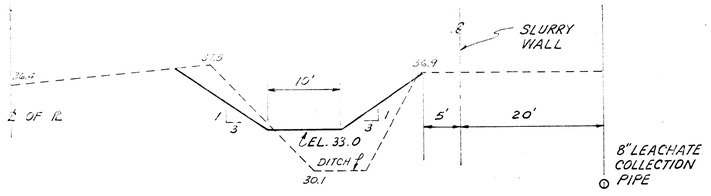
SECTION D-D



SECTION J-J



SECTION E-E



SECTION K-K

RECORD DRAWING

LEGEND

------- EXISTING SURFACE ELEV.

——— REVISED CROSS SECTIONS TO BE ACCOMPLISHED BY OTHERS PRIOR TO START OF THIS CONTRACT.

NOTE: "SEE SHEET 4 FOR COLLECTION PIPE INVERT ELEVATIONS"

		DESIGNED	JWC
	SHOW RECORD DRAWING	DM	
	ADD REVISED SECTIONS	KRM	DRAWN GIS
NO.	DATE REVISION	BY	CHECKED LAP

JOHN T. EGLI, JR. — DIRECTOR OF ENGINEERING

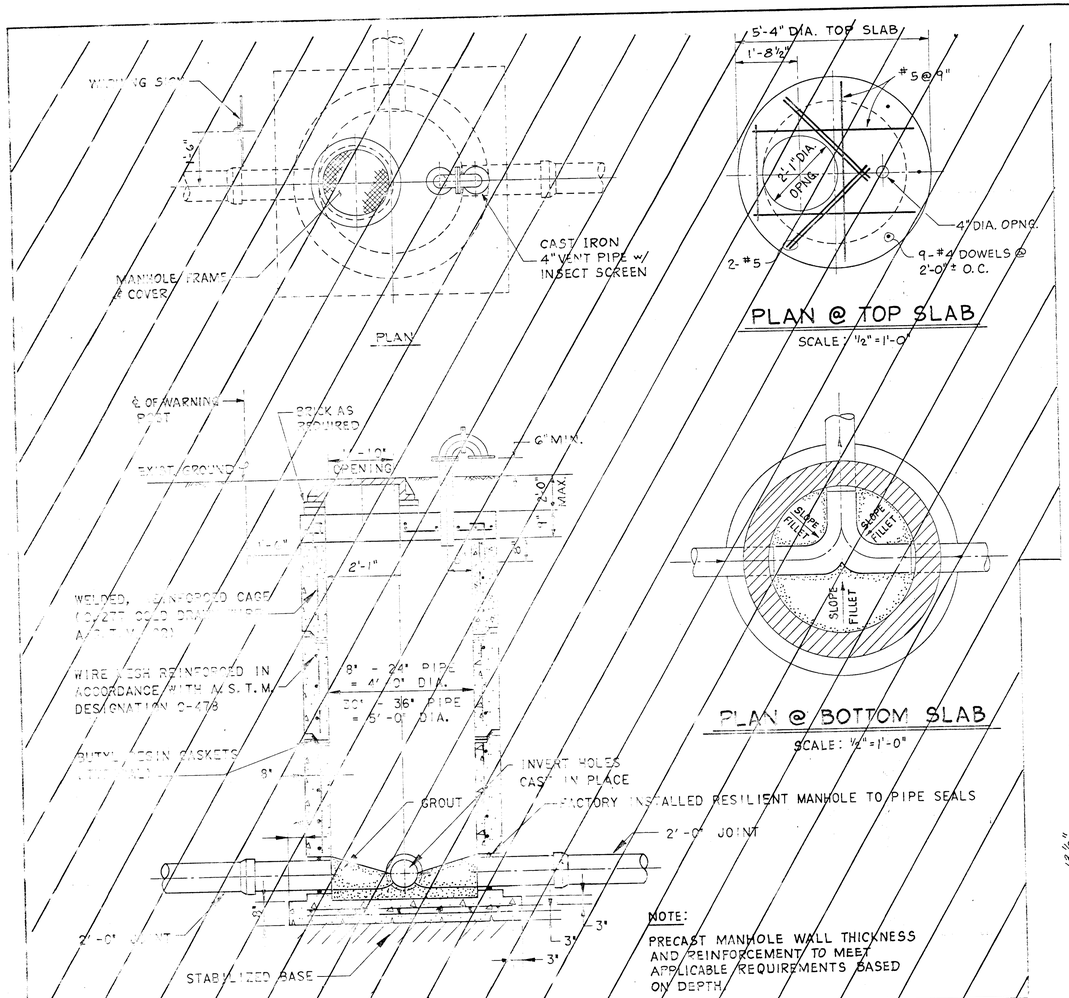
APPROVED: _____ DATE _____

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART A
CROSS SECTIONS
MANATEE COUNTY, FLORIDA

DATE	JAN '86
SCALE	HORIZ. 1"=10' VERT. 1"=5'
SHEET NO.	5 OF 6
PROJ. NO.	3204.3
FILE NO.	11363

RD	ACTION DATE 5.21.86
P	PRELIMINARY
E	FOR ESTIMATING ONLY
D	FOR BIDDING ONLY
C	FOR CONSTRUCTION
R	REVISED
H	PRELIMINARY BENCH FIELD
A	APPROVAL
C	CHECK PRINT
RD	RECORD DRAWING

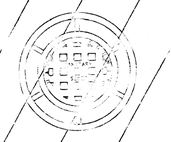


STANDARD PRECAST MANHOLE

SCALE: ½" = 1'-0"

NOTE:

MANHOLE FRAMES AND COVERS SHALL CONFORM TO A.S.T.M. DESIGNATION A 48-74 (1971) OR FEDERAL SPECIFICATIONS QQ-I-652B. CONCRETE BY WEIGHT SHALL BE NOT LESS THAN 3000 POUNDS. COVER = 145 LBS., FRAME = 190 LBS.



MANHOLE RING & COVER DETAIL

PLAN @ TOP SLAB

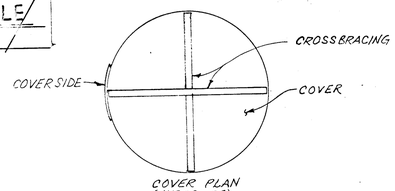
SCALE: ½" = 1'-0"

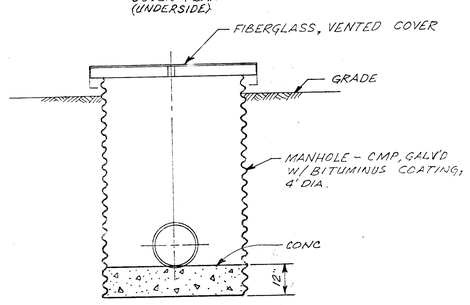
PLAN @ BOTTOM SLAB

SCALE: ½" = 1'-0"

NOTE:

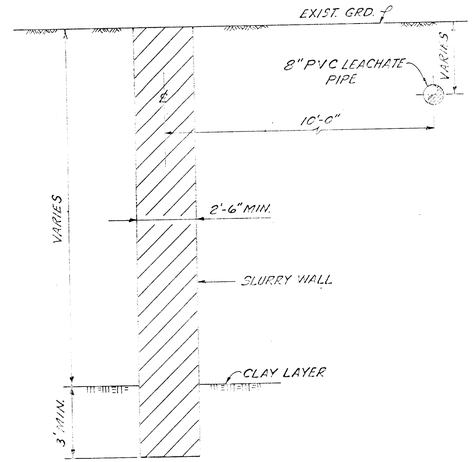
PRECAST MANHOLE WALL THICKNESS AND REINFORCEMENT TO MEET APPLICABLE REQUIREMENTS BASED ON DEPTH.





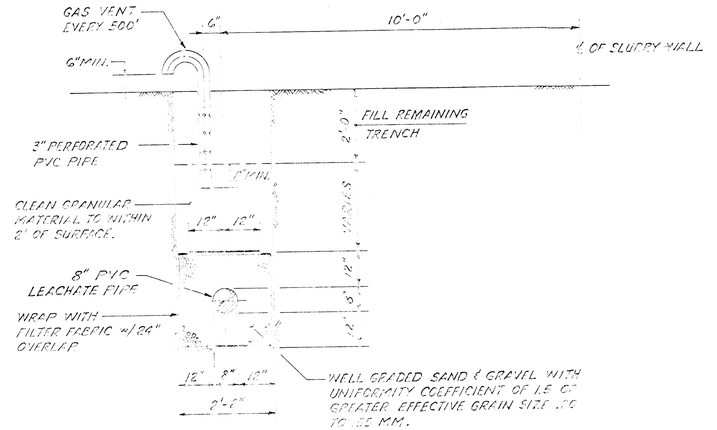
STANDARD MANHOLE

NTS



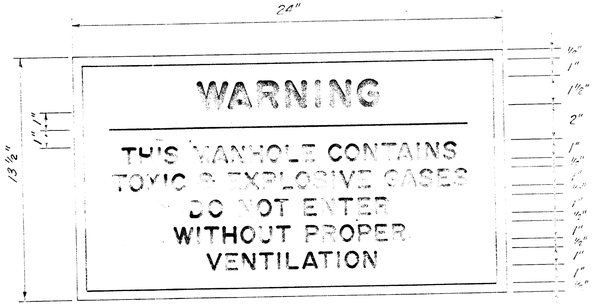
SLURRY WALL DETAIL

SCALE: 1" = 30'



LEACHATE COLLECTION SEWER TRENCH DETAIL

SCALE: ½" = 1'-0"

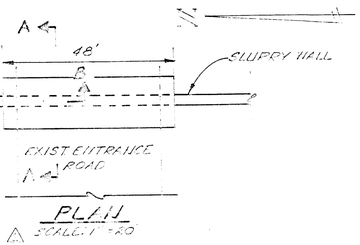


NOTES:

1. THE COLOR OF THE SIGN SHALL BE HIGH INTENSITY SILVER-WHITE REFLECTORIZED BACKGROUND WITH RED OPAQUE BORDER AND LEGEND. SIGN PANEL SHALL BE 0.08 IN. MIN. THICK ALUMINUM. PANELS ARE TO BE DEGREASED, ETCHED, NEUTRALIZED AND TREATED WITH ALODINE 1200, IRIDINE 14-2, BONDERITE 721 OR EQUAL. NO STENCILING PERMITTED ON PANELS.
2. PLACE 13⅛" x 24" SIGNS AS SHOWN ON SIGN PLACEMENT DETAIL THIS SHEET. (22 REQUIRED)

WARNING SIGN DETAIL

SCALE: 3" = 1'-0"

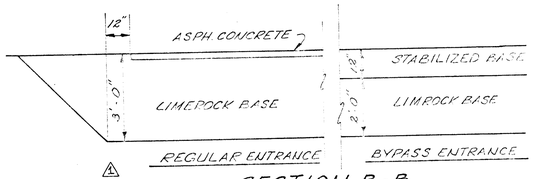


SIGN PLACEMENT DETAIL

SCALE: ⅜" = 1'-0"

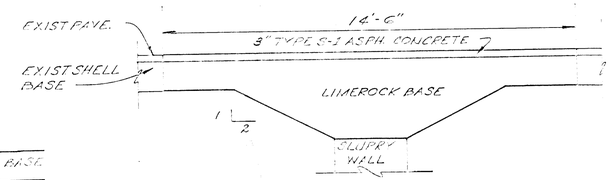
PLAN

SCALE: 1" = 20'



SECTION B-B

N.T.S.



SECTION A-A

N.T.S.

ENTRANCE ROAD CROSSING DETAIL

STATUS	ACTION
RD	5
P	PRELIMINARY
E	FOR ESTIMATE
B	FOR BIDDING
O	FOR CONSTRUCTION
D	DESTROY
H	FOR DATA
K	APPROVED
C	SHELF STOCK

RD RELEASE DATE

BOARD COPY

	RECORD DRAWING	DESIGNED	JWC
	REVISED: APPENDIX 10.0 W.P.	DRAWN	GIS
REV.	DATE / DESCRIPTION / BY	CHECKED	LAP

SUBMITTED: BRILEY, WILD & ASSOCIATES

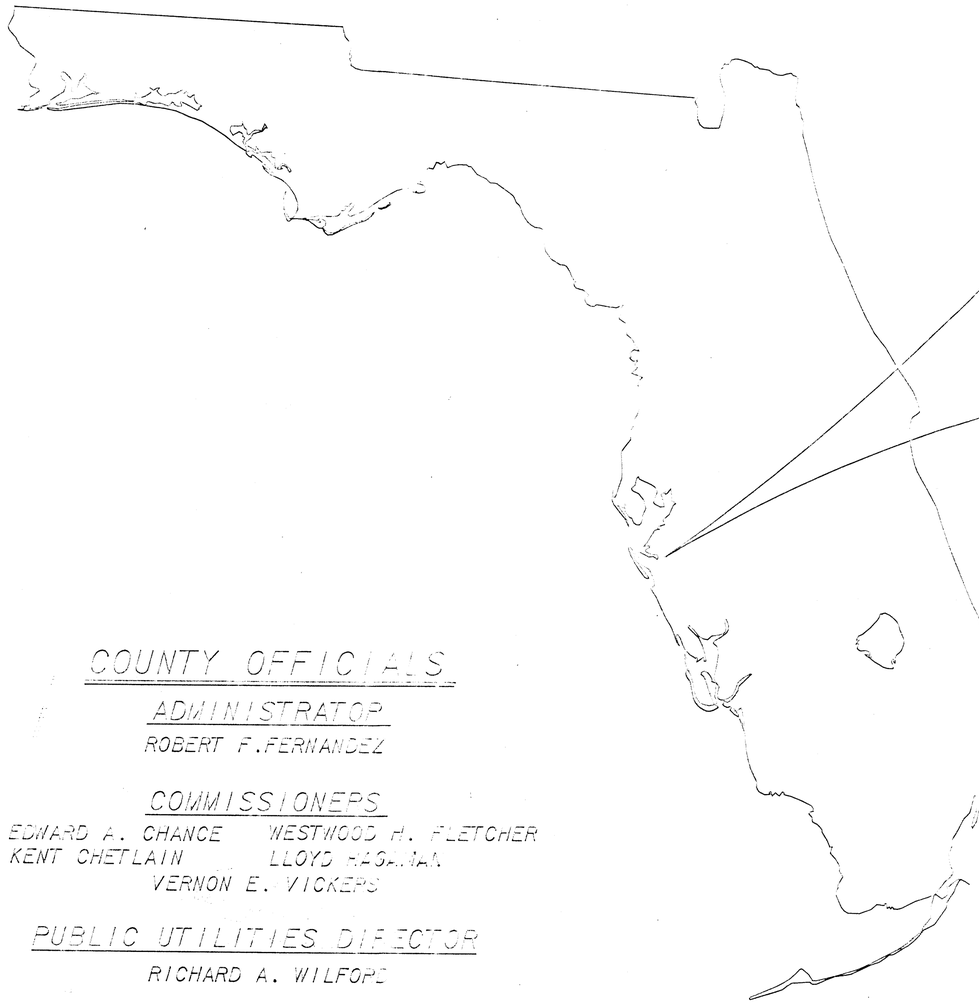
APPROVED:

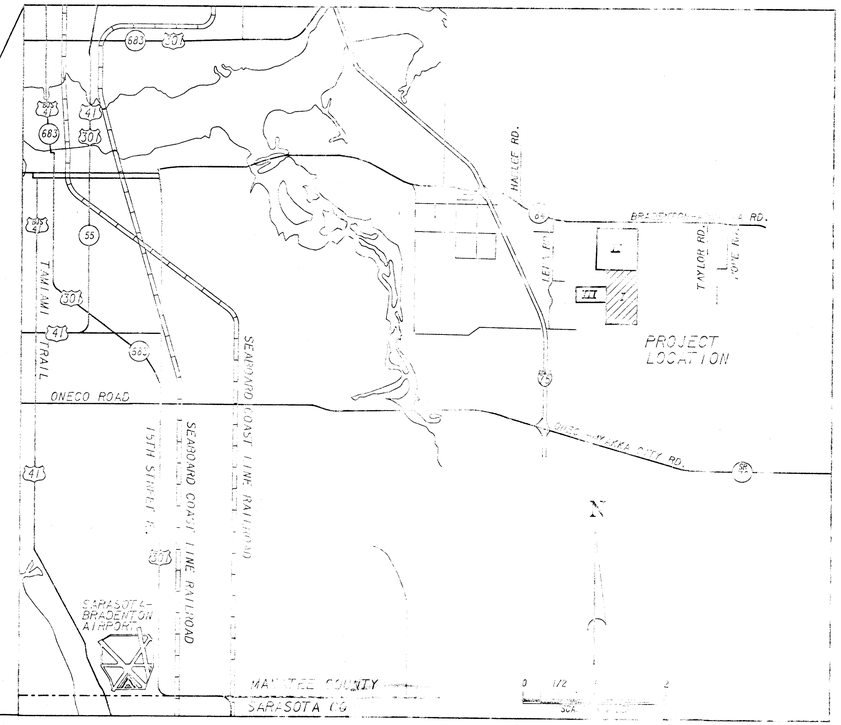
briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART A
DETAILS
MANATEE COUNTY, FLORIDA

DATE	JAN. 1985
SCALE	AS SHOWN
SHEET NO.	6 OF 11
JOB NO.	82
	115

LENA ROAD LANDFILL IMPROVEMENTS
STAGE I
PART B - PUMP STATIONS & SPRAY IRRIGATION SYSTEM
MANATEE COUNTY, FLORIDA





COUNTY OFFICIALS

ADMINISTRATOR
ROBERT F. FERNANDEZ

COMMISSIONERS
EDWARD A. CHANCE — WESTWOOD H. FLETCHER
KENT CHETLAIN — LLOYD HAGAMAN
VERNON E. VICKERS

PUBLIC UTILITIES DIRECTOR
RICHARD A. WILFORD

TABLE OF CONTENTS

PAGE NO.	ITEM	FILE NO.
1	LOCATION MAP	11602
2	EXISTING SITE PLAN	11603
3	EXISTING TOPOGRAPHY - OVERALL PLAN	11604
4	LEACHATE PUMP STATION NO. 1	11605
5	LEACHATE PUMP STATION NO. 2	11606
6	IRRIGATION PUMP STATION	11607
7	IRRIGATION SYSTEM DETAILS	11608
8	IRRIGATION & LEACHATE PUMP STATIONS NO.1 & 2 - ELECTRICAL	11609
9	CROSS SECTIONS	11610

RECORD DRAWING INFORMATION SUPPLIED BY MANATEE COUNTY PUBLIC UTILITIES.

D.E.R.
OCT 19 1992
SOUTHWEST DISTRICT TAMPA

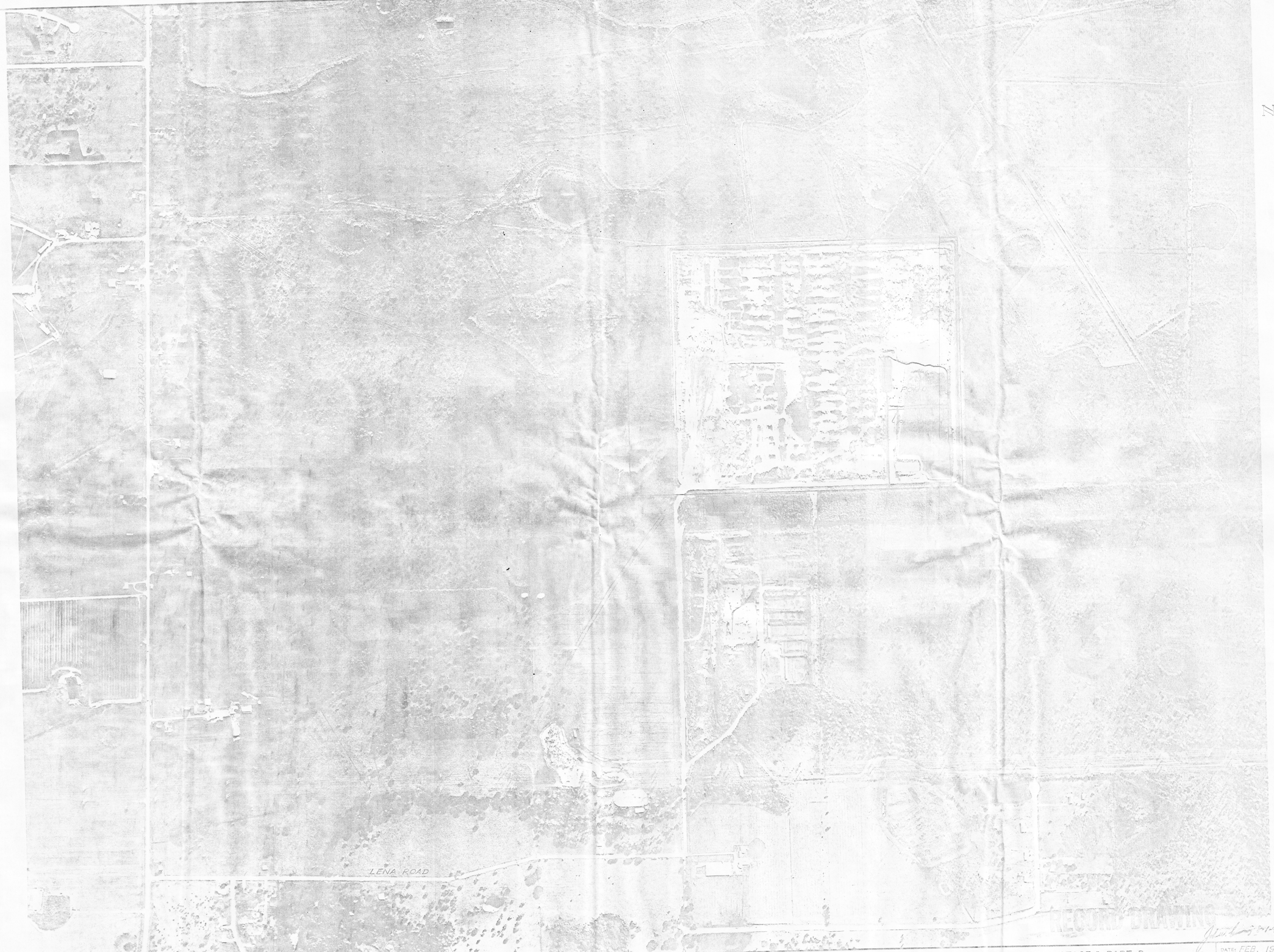
R	REVISION GIVEN
P	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING
O	FOR CONSTRUCTION
H	PARTIALLY RELEASED FOR CONSTRUCTION
A	APPROVAL
C	CHECK PRINT

	REVISED DRAWING
DESIGNED JWC	PROJ. NO. 1044-C
DRAWN DM	SCALE NONE
CHECKED LAP	FILE NO. 11602

SUBMITTED BY: ORLEY, WILD & ASSOCIATES
APPROVED: PROJECT ENGINEER

Orley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Orlando Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART B
LOCATION MAP
MANATEE COUNTY, FLORIDA



N

NOTE:
DATE FLOWN:
10/13/82

STATUS	ACTION DATE
RD	5/21/86
P	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING ONLY
O	RELEASED FOR CONSTRUCTION
R	DESTROY PREVIOUS PRINTS
H	PORTION(S) BEING HELD
A	APPROVAL
C	CHECK PRINT
RD	RECORD DRAWING

RECORD DRAWING

NO.	DATE	REVISION	BY
1	5/86	RECORD DRAWING	DM

DESIGNED JWC
DRAWN WF
CHECKED LAP

SUBMITTED: BRILEY, WILD & ASSOCIATES
PRINCIPAL / PROJECT ENGINEER
APPROVED:

No. 35424 STATE OF FLORIDA

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida.

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART B
EXISTING SITE PLAN
MANATEE COUNTY, FLORIDA

DATE: FEB. 1985
SCALE: 1" = 400'
SHEET NO. 2 OF 9

PROJECT NO. 82044-B
FILE NO. 11603

IRRIGATION PUMP STATION

P.S. #2

P.S. #1

1130'

1170'

1600'

2080' OF 6" P.V.C. FORCE MAIN

725' OF 6" P.V.C. FORCE MAIN

190' OF 6" P.V.C. FORCE MAIN

EXISTING POND

SEE DETAIL "A" THIS SHT.

SEE DETAIL "B" THIS SHT.

25' POLE BY OWNER

SERVICE DROP 120/240V-3Ø-4W-60H

SERVICE DROPS 480V-3Ø-4W 60 HZ.

UTILITY POLES

FP&L CO. LINES 480V-3Ø-60HZ

480V-3Ø-60HZ

TO S.T.P. SITE

NOTE: SEE SHTS. 7 & 8 FOR IRRIGATION PIPING LOCATION & DIMENSIONS (NOT SHOWN ON THIS SHT. FOR CLARITY).

10"x6" RED.

CONTROL BOX

IRRIGATION PUMP STATION

SERVICE DROPS 480V-3Ø-4W 60 HZ.

UTILITY POLE

POND

PUMPING STATION LOCATION
NO SCALE

DETAIL "B"
NTS

NOTE:

TOPO BASED ON AERIAL PHOTOGRAPHY.
DATE FLOWN:
10/13/82

NOTE:

"TOPOGRAPHY WITHIN ACTIVE PORTION OF THE LANDFILL DIFFERENT FROM THAT INDICATED."

STATUS:	ACTION DATE
RD	5-21-86
P	PRELIMINARY
E	FOR ESTIMATING ONLY
C	TOP JOINT ONLY
D	FOR CONSTRUCTION
R	RECORD DRAWING
H	PORTION(S) BEING HELD
A	APPROVAL
	BLACK PRINT

		DESIGNED	LAP
5-21-86	RECORD DRAWING	DRAWN	WP DM
DATE	REVISION	CHECKED	LAP

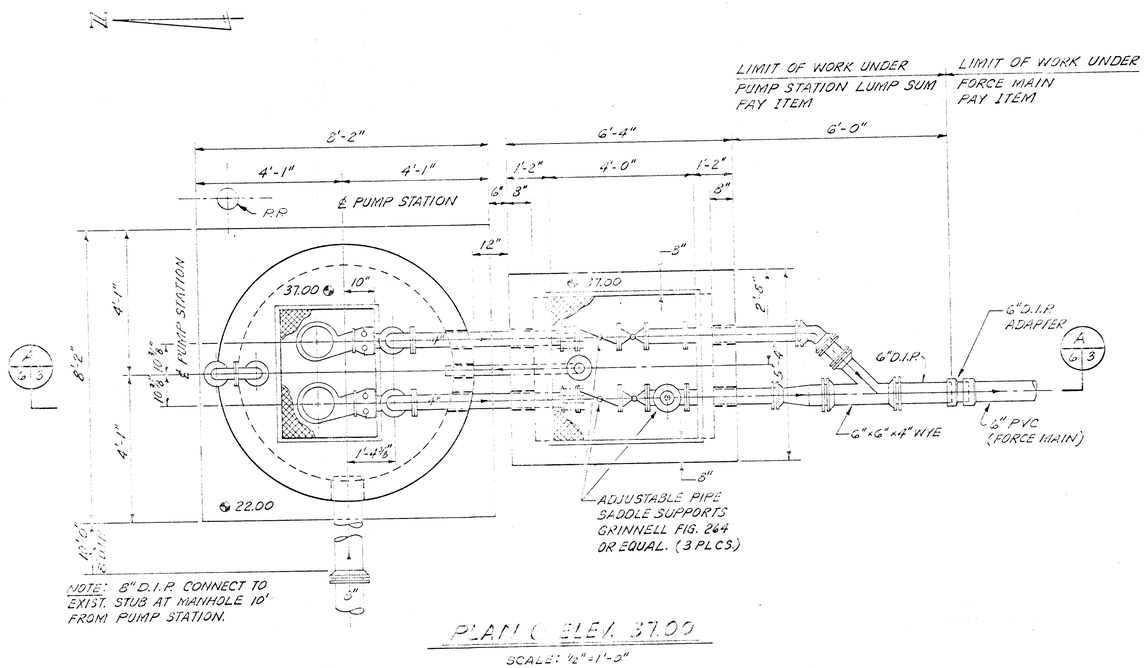
SUBMITTED: BRILEY, WILD & ASSOCIATES
PRINCIPAL
PROJECT ENGINEER
APPROVED:

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART B
EXISTING TOPOGRAPHY - OVERALL PLAN
MANATEE COUNTY, FLORIDA

DATE: FEB. 83
SCALE: 1" = 200'
NO.

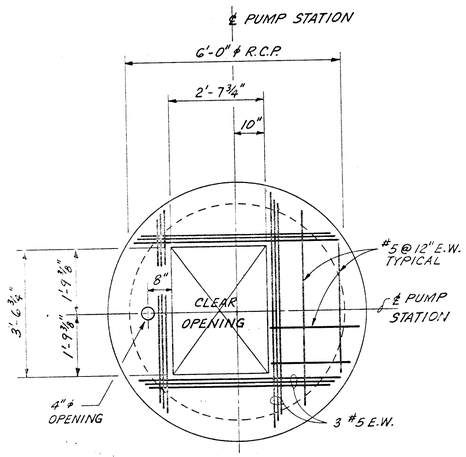
RECORD DRAWING



NOTE: 8"D.I.P. CONNECT TO EXIST. STUB AT MANHOLE 10' FROM PUMP STATION.

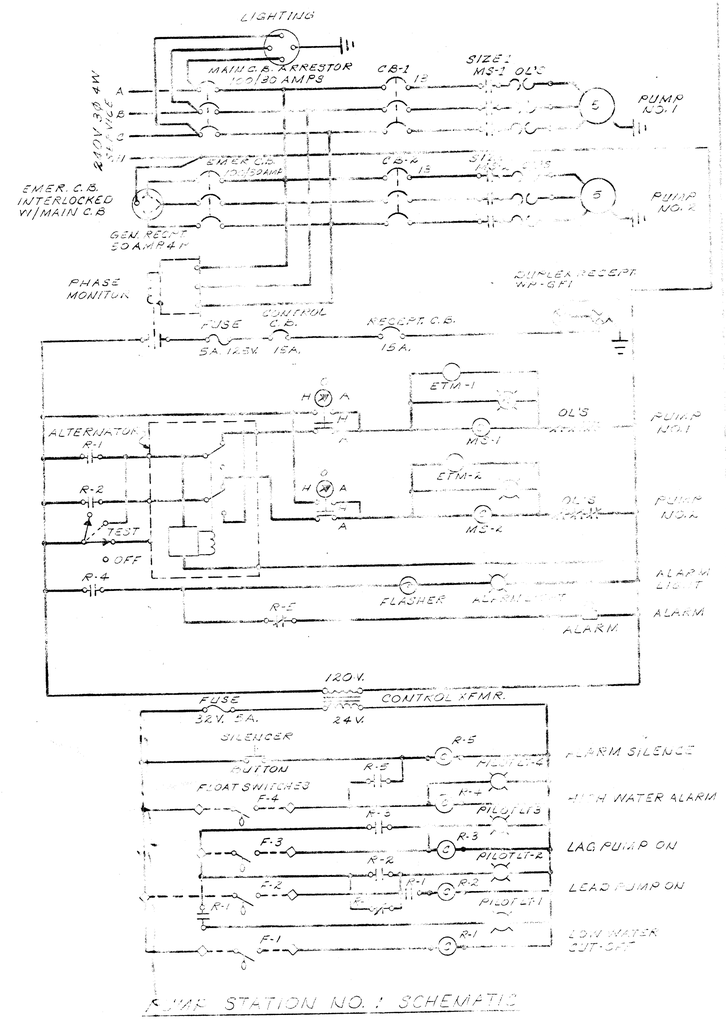
PLAN @ ELEV. 37.00

SCALE: ½"=1'-0"



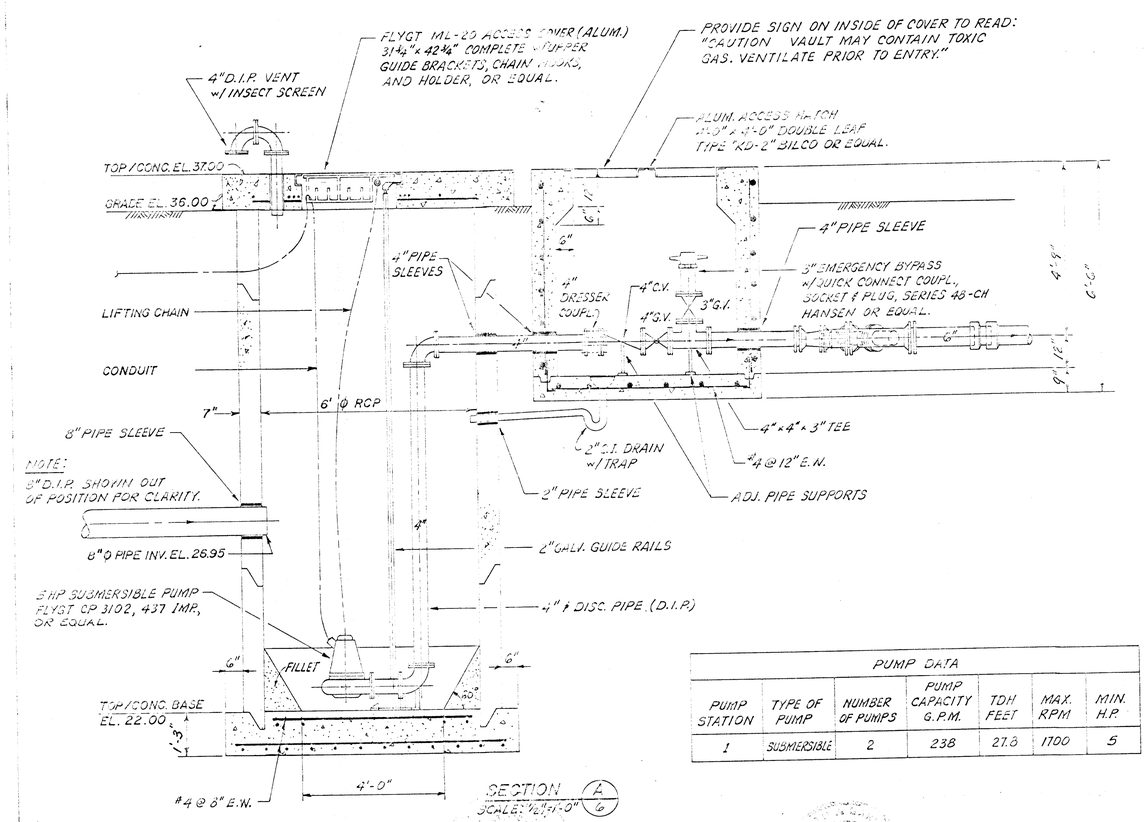
PLAN @ TOP SLAB - ELEV. 37.0

SCALE: ½"=1'-0"



PUMP STATION NO. 1 SCHEMATIC

N.T.S.



SECTION (A/6)

SCALE: ½"=1'-0"

PUMP DATA

PUMP STATION	TYPE OF PUMP	NUMBER OF PUMPS	PUMP CAPACITY G.P.M.	TDH FEET	MAX. RPM	MIN. H.P.
1	SUBMERSIBLE	2	238	27.8	1700	5

RECORD DRAWING

STATUS	ACTUAL DATE
RD	5-21-86
P	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING
O	FOR CONSTRUCTION
R	REVISED
H	PORTIONS BEING HELD
A	APPROVED
C	CHECK PRINT
	RECORD DRAWING

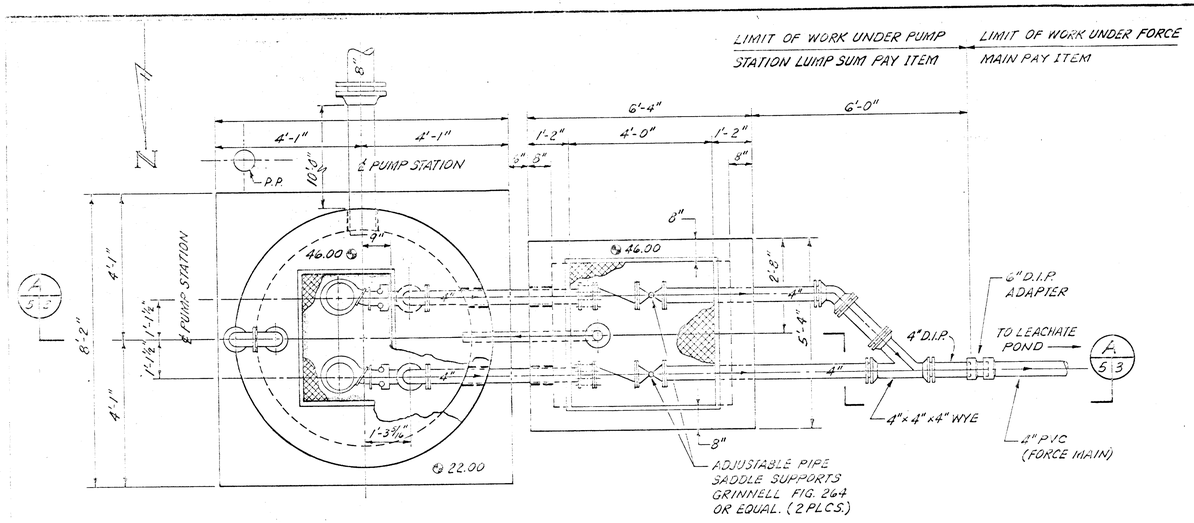
		DESIGNED	LAP
	RECORD DRAWING	DRAWN	GIS DM
NO.	DATE REVISION	BY CHECKED	LAP

SUBMITTED: BRILEY, WILD & ASSOCIATES, INC. — PROJECT ENGINEER — APPROVED:

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART B
LEACHATE PUMP STATION No. 1
MANATEE COUNTY, FLORIDA

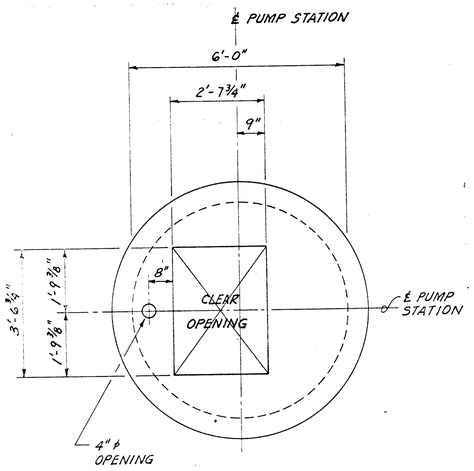
DATE: FEB 1985 | PROJ. NO. 82044-6
SCALE: AS SHOWN | TITLE NO. 11605
SHEET NO. 9



PLAN AT ELEV. 46.00

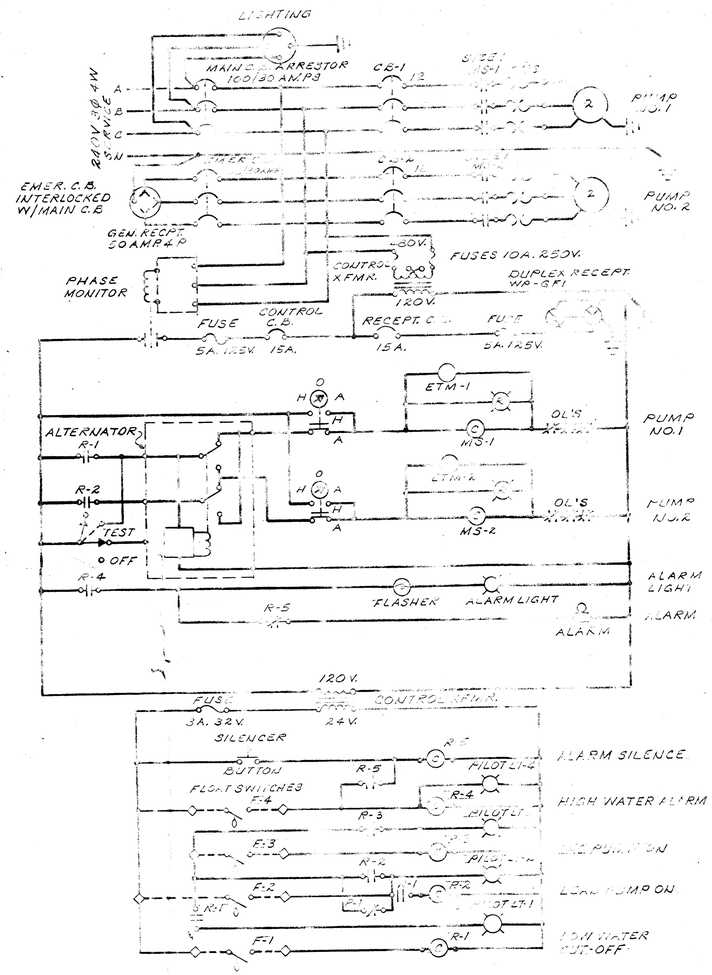
SCALE: ½"=1'-0"

NOTE: 8" D.I.P. CONNECT TO EXIST. STUB AT MANHOLE 10' FROM PUMP STATION.



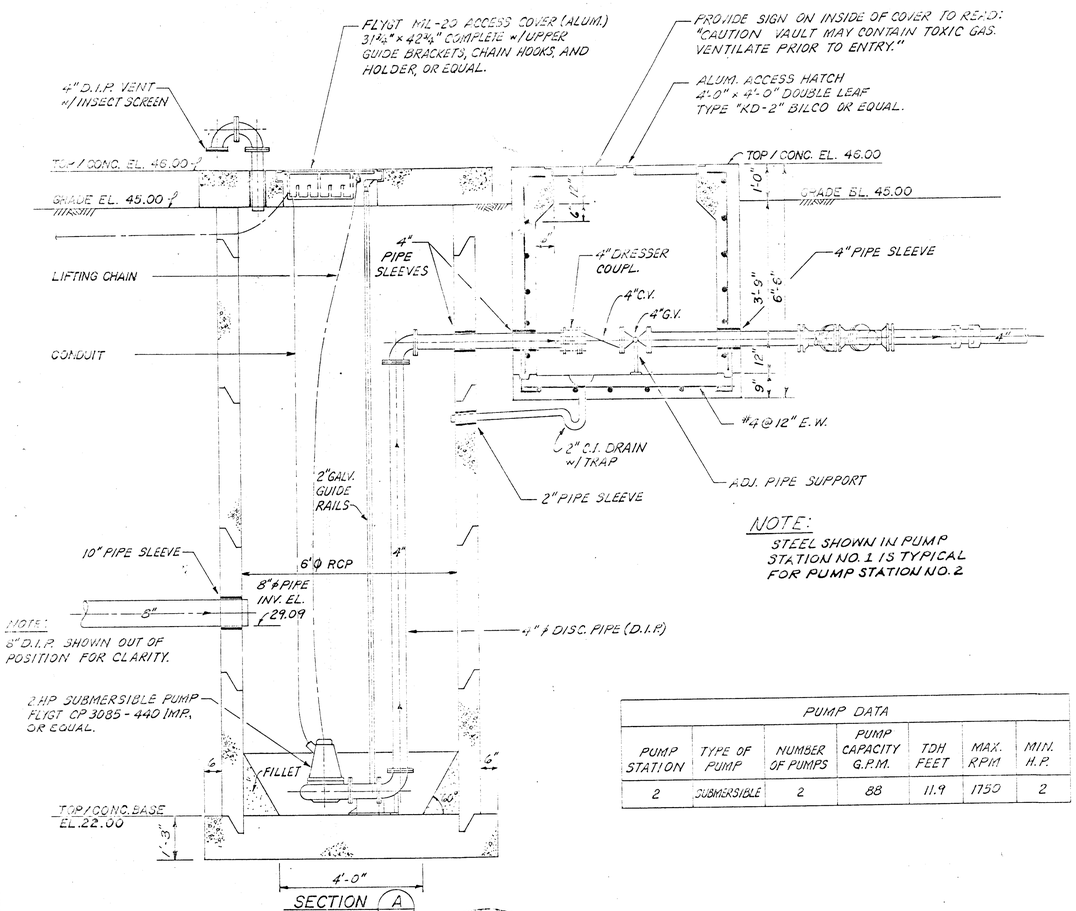
PLAN @ TOP SLAB - ELEV. 46.00

SCALE: ½"=1'-0"



PUMP STATION NO. 2 SCHEMATIC

N.T.S.



SECTION A/5

NOTE: STEEL SHOWN IN PUMP STATION NO. 1 IS TYPICAL FOR PUMP STATION NO. 2

PUMP DATA

PUMP STATION	TYPE OF PUMP	NUMBER OF PUMPS	PUMP CAPACITY G.P.M.	TDH FEET	MAX. RPM	MIN. H.P.
2	SUBMERSIBLE	2	88	11.9	1750	2

STATUS	DATE
RD	5-21-85

P	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING ONLY
C	REVISED FOR CONSTRUCTION
R	REVISED DESTROY PREVIOUS PRINTS
H	PORTION(S) BEING HELD
A	APPROVAL
	CHECK PRINT
RD	RECORD DRAWING

RECORD DRAWING

NO.	DATE	REVISION	BY
1	5-21-85	RECORD DRAWING	DM

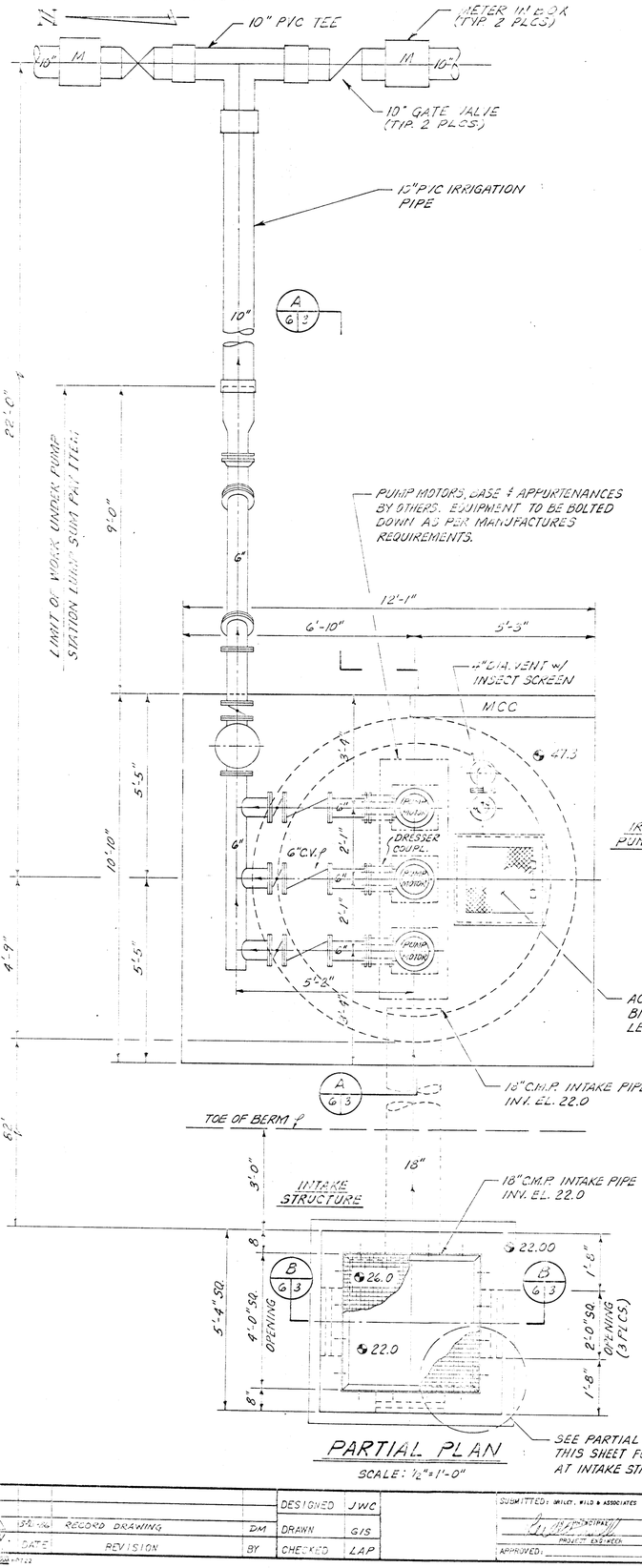
DESIGNED JWC
DRAWN DM
CHECKED LAP

SUBMITTED: BRILEY, WILD & ASSOCIATES
APPROVED: PROJECT ENGINEER

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

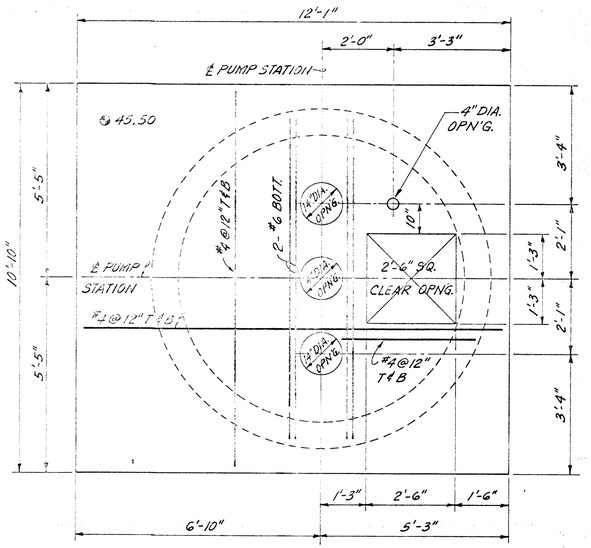
LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART B
LEACHATE PUMP STATION No. 2
MANATEE COUNTY, FLORIDA

DATE: FEB. 1985
SCALE: AS SHOWN
SHEET NO. 5 OF 9
PROJ. NO. 82044-6
FILE NO. 1.705



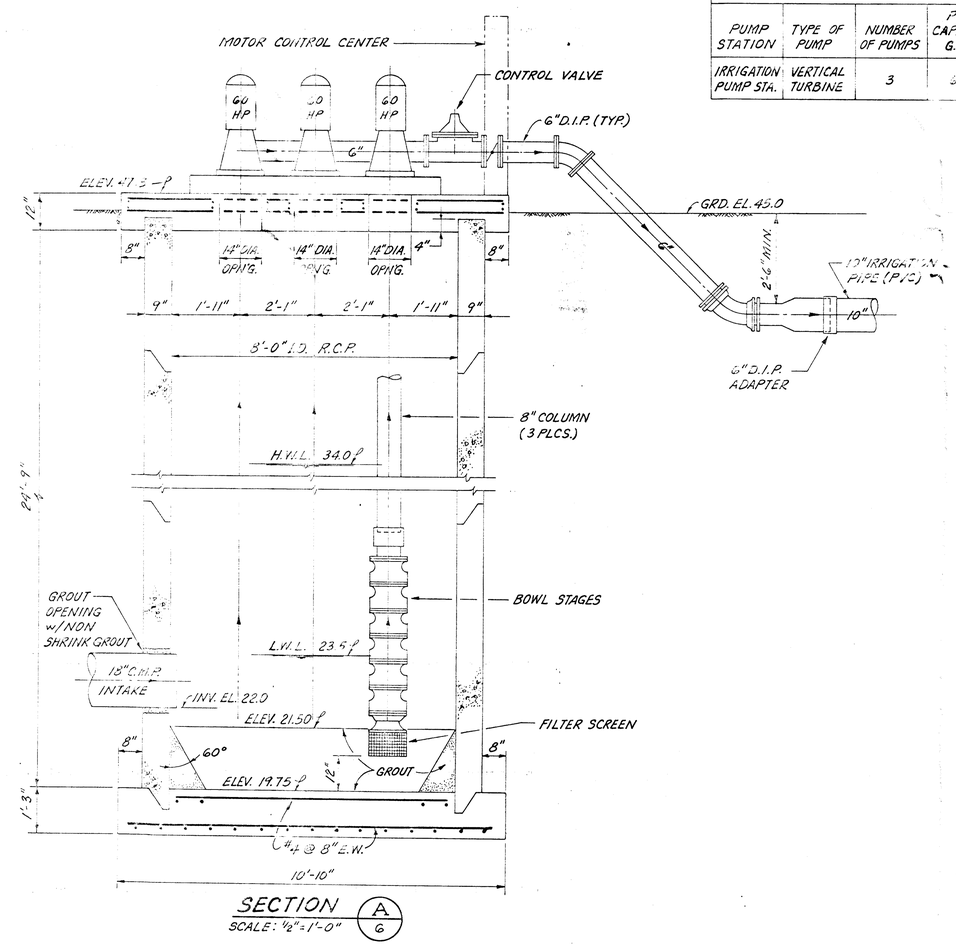
PARTIAL PLAN

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



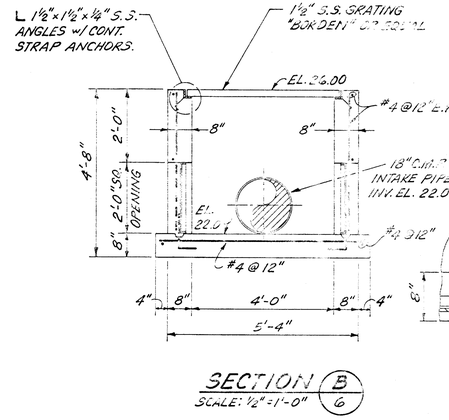
PLAN @ TOP SLAB

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



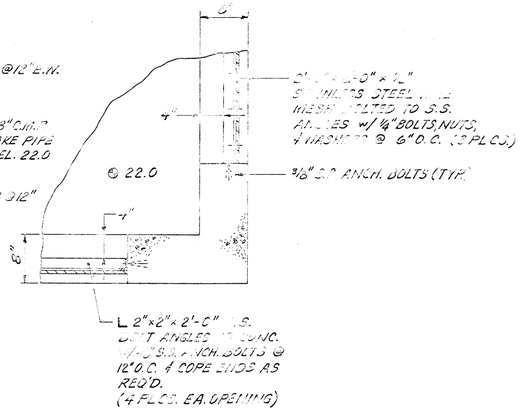
SECTION (A / 6)

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



SECTION (B / 6)

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



PARTIAL PLAN @ ELEV. +3.0

SCALE: 1"=1'-0"

PUMP DATA						
PUMP STATION	TYPE OF PUMP	NUMBER OF PUMPS	PUMP CAPACITY G.P.M.	TDH FEET	MAX. RPM	MIN. H.P.
IRRIGATION PUMP STA.	VERTICAL TURBINE	3	600	300	1770	60

STATUS	ACTION DATE
RD	5.21.96
	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING ONLY
C	RELEASED FOR CONSTRUCTION
R	REVISED DESTROY PREVIOUS PRINTS
H	PORTION(S) BEING HELD
A	APPROVAL
C	CHECK PRINT
	RECORD DRAWING

RECORD DRAWING

		DESIGNED	JWC
5.21.96	RECORD DRAWING	DRAWN	GJS
DATE	REVISION	CHECKED	LAP

SUBMITTED: MILLER, WILD & ASSOCIATES

APPROVED:

STATE OF FLORIDA

Talley, Wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART B

IRRIGATION PUMP STATION

MANATEE COUNTY, FLORIDA

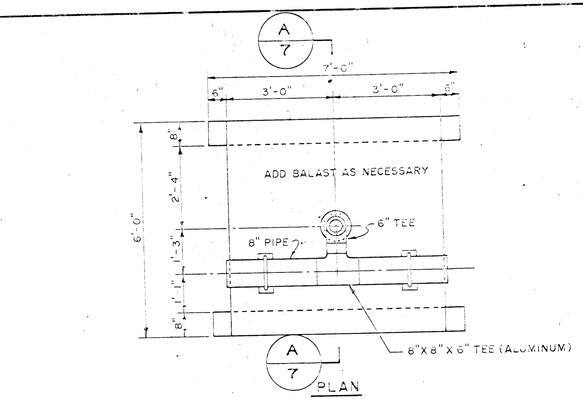
DATE: FEB. 1996

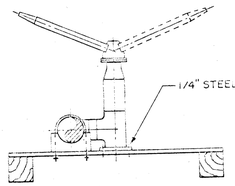
SCALE: AS SHOWN

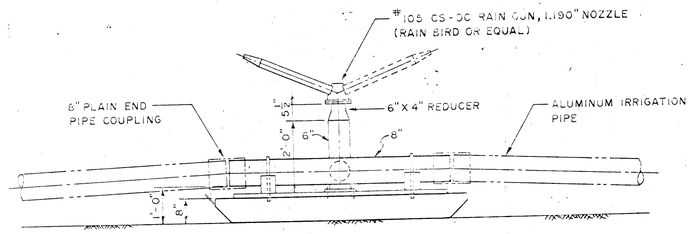
SHEET NO. 6

PROJ. NO. 8-244-6

FILE NO. 11607



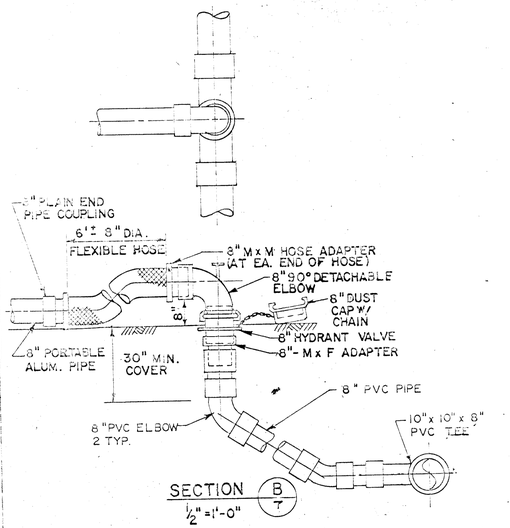




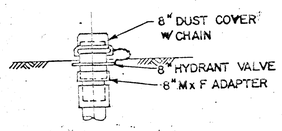
ELEVATION

MOVEABLE WOOD SKID SUPPORT FOR IMPACT SPRINKLER

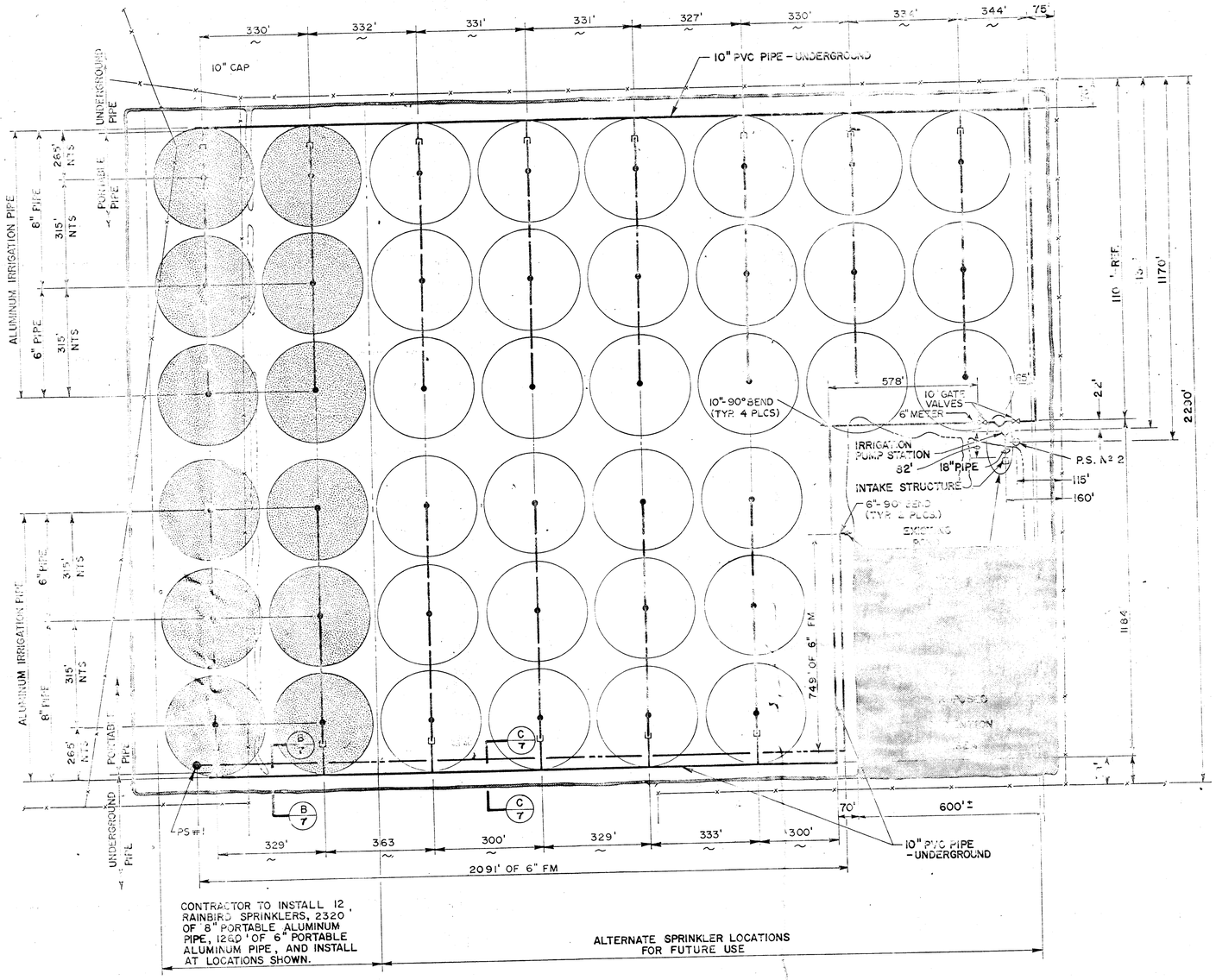
SCALE : 1/2" = 1'-0"



TYPICAL RISER SECTION
WITH PORTABLE HEADER
ATTACHED



TYPICAL RISER SECTION
WITHOUT PORTABLE HEADER
ATTACHED



PLAN - IRRIGATION SYSTEM

1" = 200'

LEGEND

- RAINBIRD SPRINKLER HEADER
- PROPOSED IRRIGATION SYSTEM
- FUTURE IRRIGATION SYSTEM
- GATE VALVE
- STORMWATER DETENTION AREA
- LEACHATE POND

STATUS	REVISION DATE
RD	5-21-85

P	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING ONLY
D	RELEASED FOR CONSTRUCTION
R	RELEASED FOR CONSTRUCTION DESTROY PREVIOUS PRINTS
H	BID ITEM(S) BEING HELD
A	APPROVAL
C	CHECK PRINT
RD	RECORD DRAWING

		DESIGNED	JWC
5-21-85	RECORD DRAWING	DRAWN	DM
DATE	REVISION	CHECKED	LAP
		BY	

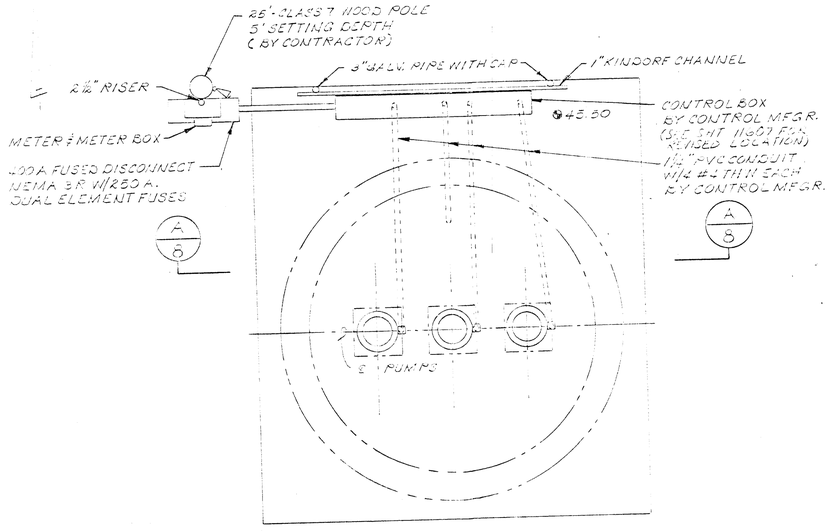
SUBMITTED: ORILEY, WILD & ASSOCIATES
APPROVED:

oriley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

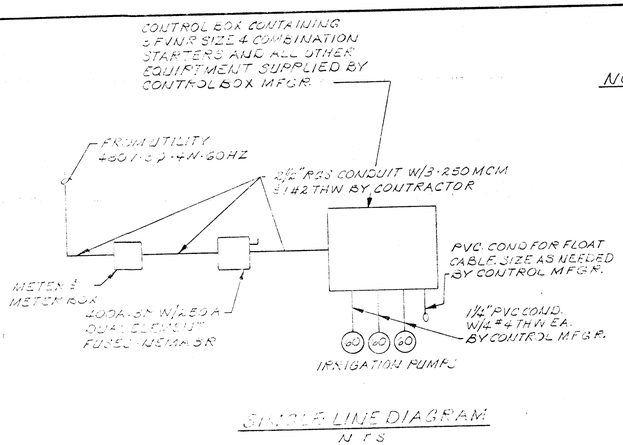
LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART B
IRRIGATION SYSTEM & DETAILS
MANATEE COUNTY, FLORIDA

DATE: FEB. 1985
SCALE: AS SHOWN
SHEET NO. 1 OF 2
PROJ. NO. 8044-6
FILE NO. 1.1.00

N

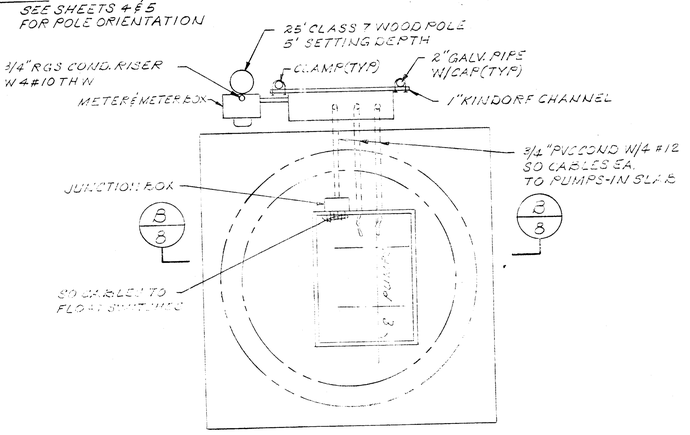


SLAB
NTS

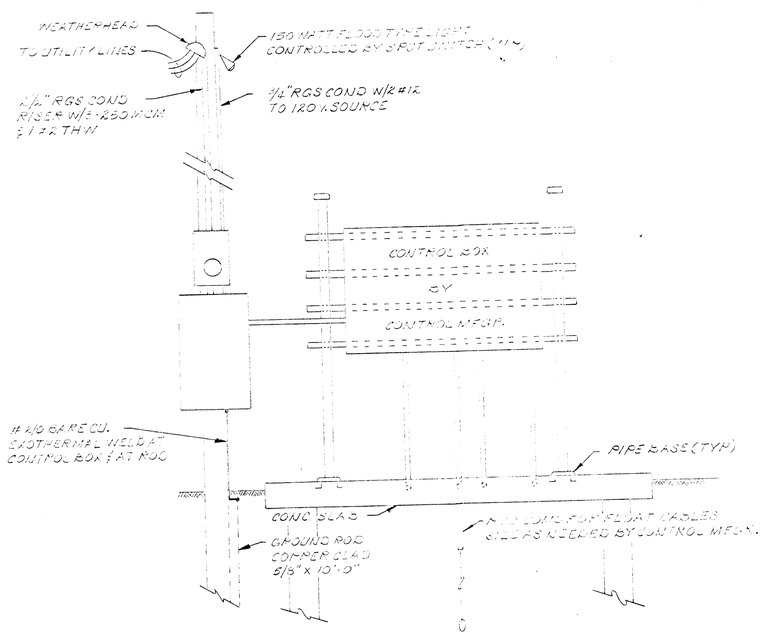


SINGLE LINE DIAGRAM
N T S

NOTE:
SEE SHEETS 4 & 5
FOR POLE ORIENTATION

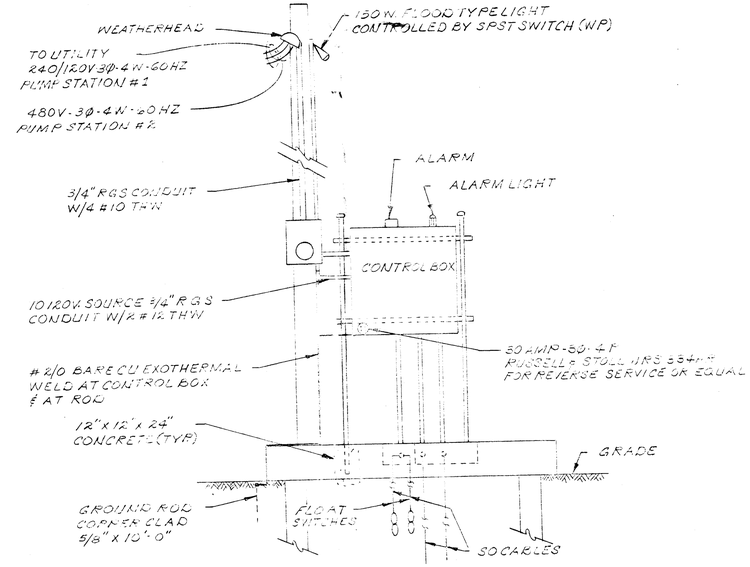


SLAB
NTS



SECTION
NTS

IRRIGATION PUMPS



SECTION
N T S

PUMP STATIONS NO. 1 & 2

RECORD DRAWING
3-12

STATUS	ACTION DATE
RD	3-21-86

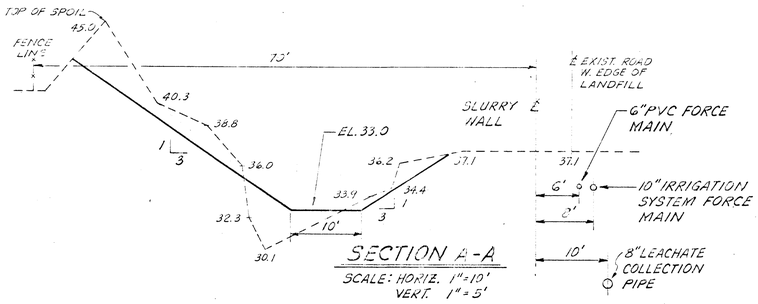
P	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING ONLY
0	RELEASED FOR CONSTRUCTION
R	REVISED - DESTROY PREVIOUS PRINT
H	PORTION(S) BEING HELD
A	APPROVAL
C	CHECK PRINT
RD	RECORD DRAWING

	DESIGNED SKA	SUBMITTED: BRILEY, WILD & ASSOCIATES	
1 10-31-84 RECORD DRAWING	DRAWN KRM	PRINCIPAL	
	CHECKED	PROJECT ENGINEER	
	APPROVED		

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS

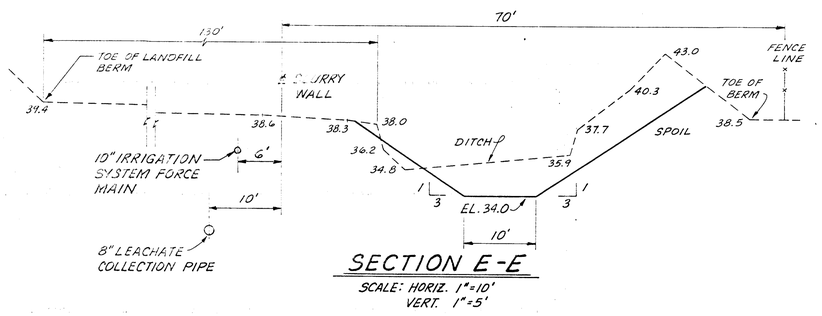
LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART B
IRRIGATION & LEACHATE PUMP STA. NO. 1 & 2 - ELECTRICAL
MANATEE COUNTY, FLORIDA

DATE: FEB 1985
SCALE: NONE
SHEET NO. 8 OF
PROJ. NO. 6204-6
FILE NO. 11909



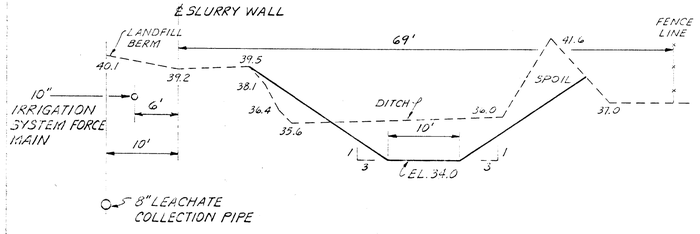
SECTION A-A

SCALE: HORIZ. 1"=10'
VERT. 1"=5'



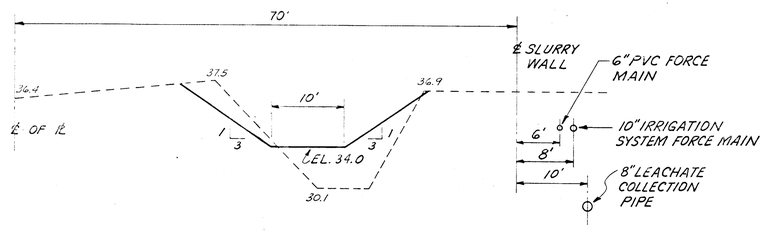
SECTION E-E

SCALE: HORIZ. 1"=10'
VERT. 1"=5'



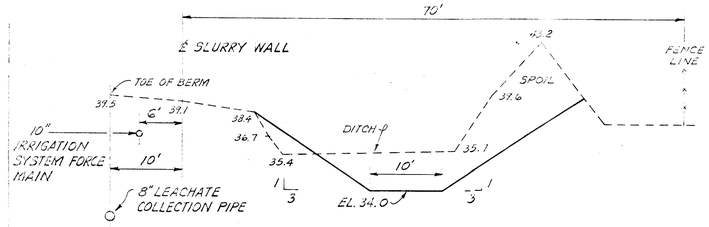
SECTION B-B

SCALE: HORIZ. 1"=10'
VERT. 1"=5'



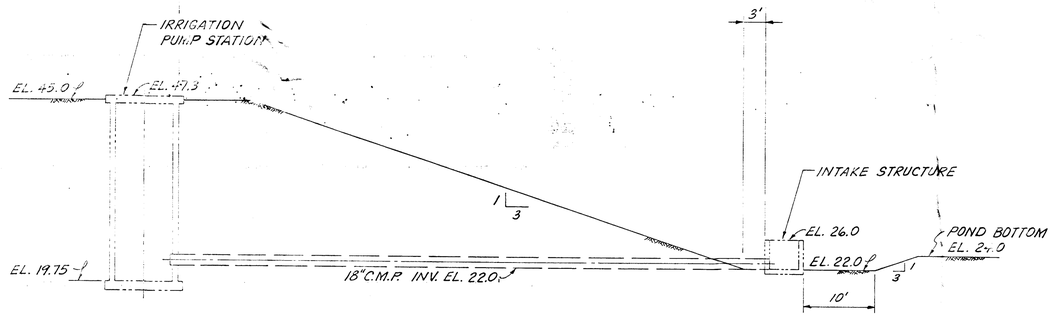
SECTION F-F

SCALE: HORIZ. 1"=10'
VERT. 1"=5'



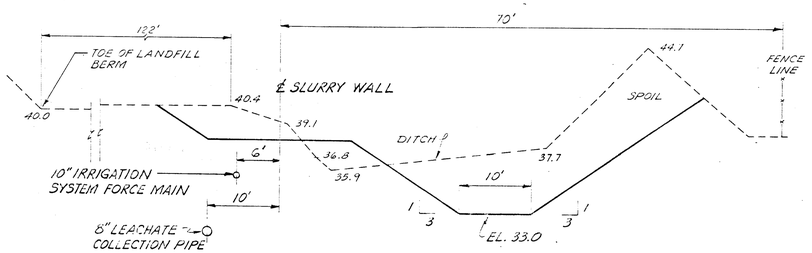
SECTION C-C

SCALE: HORIZ. 1"=10'
VERT. 1"=5'



SECTION G-G

SCALE: 1"=10'



SECTION D-D

SCALE: HORIZ. 1"=10'
VERT. 1"=5'

NO.	REVISION	BY	DATE
5	RECORD DRAWING	DM	5-21-86

DESIGNED JWC
DRAWN GIS
CHECKED LAP

SUBMITTED: BRILEY, WILD & ASSOCIATES
PROJECT ENGINEER
APPROVED:

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

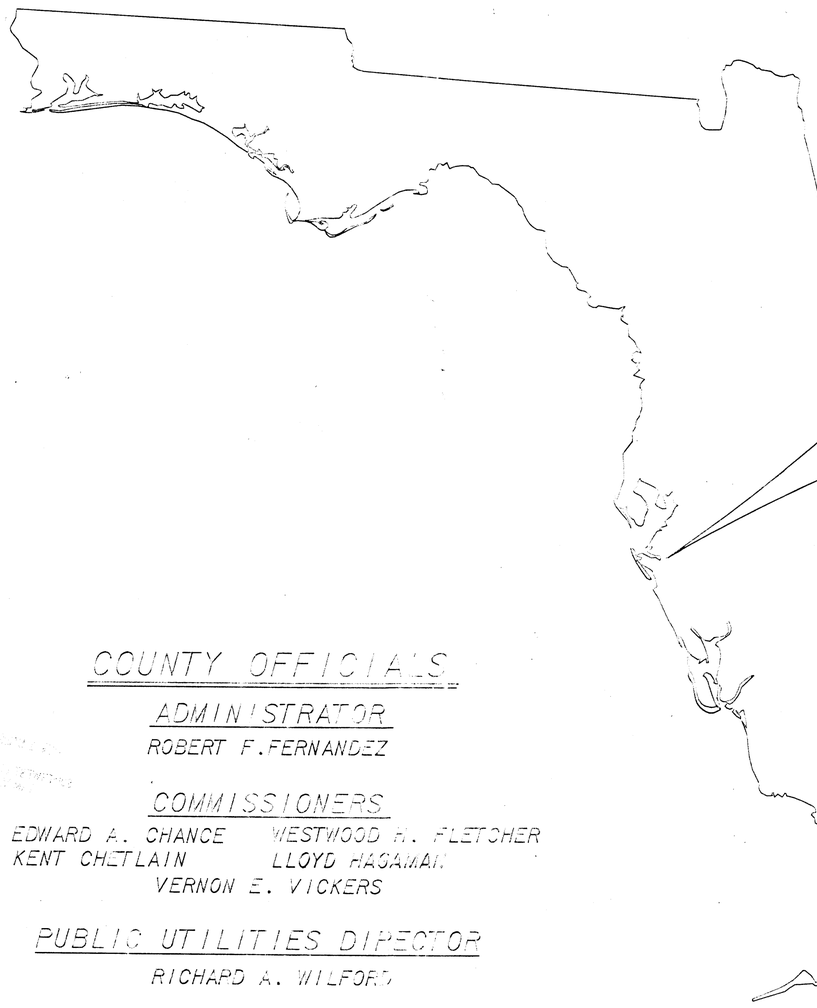
LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART B
CROSS SECTIONS
MANATEE COUNTY, FLORIDA

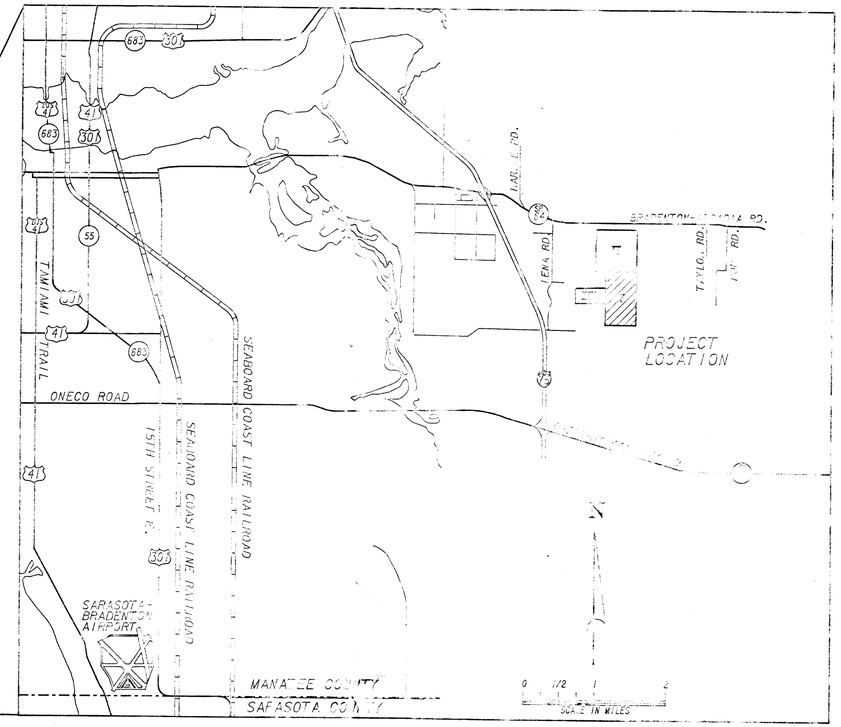
	ACTION	DATE
RD	RECORD DRAWING	5-21-86
P	PRELIMINARY	
E	FOR ESTIMATING ONLY	
P	FOR BIDDING ONLY	
O	RELEASED FOR CONSTRUCTION	
D	DESTROY PREVIOUS PRINTS	
H	PORTION(S) BEING REVISED	
A	APPROVAL	
C	CERTIFIED PRINT	

RECORD DRAWING
Jack Lang 5-21-86

DATE: FEB. 1985
SCALE: AS SHOWN
SHEET NO. 5 OF 9
PROJ. NO. 82044-6
FILE NO. 310

LENA ROAD LANDFILL IMPROVEMENTS
STAGE I
PART C
DRAINAGE IMPROVEMENTS
MANATEE COUNTY, FLORIDA





COUNTY OFFICIALS

ADMINISTRATOR
ROBERT F. FERNANDEZ

COMMISSIONERS
EDWARD A. CHANCE — WESTWOOD H. FLETCHER
KENT CHETLAIN — LLOYD HAGAMAN
VERNON E. VICKERS

PUBLIC UTILITIES DIRECTOR
RICHARD A. WILFORD

TABLE OF CONTENTS

PAGE NO.	ITEM	FILE NO.
1	LOCATION MAP	11596
2	EXISTING SITE PLAN	11597
3	EXISTING TOPOGRAPHY - OVERALL PLAN	11598
4	OVERALL DEVELOPMENT PLAN	11599
5	CROSS SECTIONS	11600
6	DETAILS	11601

RECORD DRAWING INFORMATION SUPPLIED BY MANATEE COUNTY PUBLIC UTILITIES

D.E.R.
OCT 19 1992
SOUTHWEST DISTRICT TAMPA

STATUS	REVISION DATE
RD	12-21-92
P	PRELIMINARY
F	FOR PERMITTING ONLY
B	FOR BIDDING ONLY
O	APPROVED AS NOTED
R	RECEIVED PREVIOUS SUBMITTAL
I	INFORMATION BEING HELD
A	APPROVAL
C	CHECK PRINT
RD	RECORD DRAWING

		DESIGNED	JWC
	STAMP RECORD DRAWING	DRAWN	GIS
NO.	DATE REVISION BY	CHECKED	LAP

SUBMITTED BY: BRILEY, WILD & ASSOCIATES
PROFESSIONAL ENGINEER
APPROVED:

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Orlando Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART C
LOCATION MAP
MANATEE COUNTY, FLORIDA

DATE: JAN. 1992
SCALE: NONE
SHEET NO. 1 OF 6
PROJ. NO. 92003-6
FILE NO. 11596

STATE ROAD NO. 64

LENA ROAD

THIS LINE OF LIMIT OF WORK

NOTE

DATE

11/15/82

NO.	DATE
	5-21-82
P	PRELIMINARY
F	FOR ESTIMATING ONLY
B	FOR BIDDING ONLY
0	RELEASED FOR CONSTRUCTION
R	REVISED DESTROY PRIOR PRINTS
H	PORTION(S) BEING HELD
	APPROVAL
C	CHECK PRINT
RD	RECORD DRAWING

		DESIGNED	JWC
		DRAWN	DM
NO.	DATE REVISION BY	CHECKED	LAP

SOUTHERN RESOURCE MAPPING CORP.

PRINCIPAL

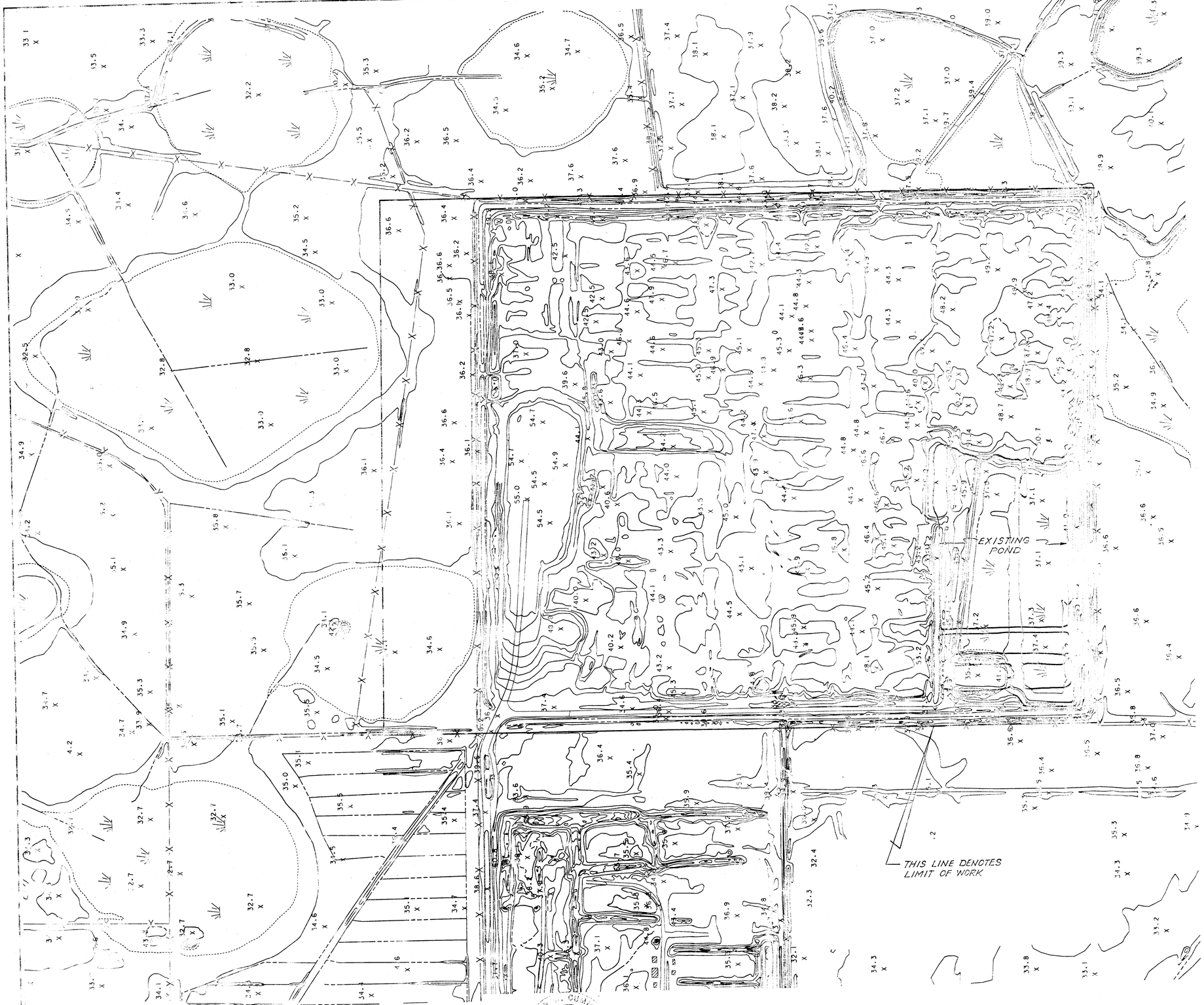
PROJECT ENGINEER

APPROVED

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART C
EXISTING SITE PLAN
MANATEE COUNTY, FLORIDA

DATE	
SCALE	1" =
SHEET NO.	2
PROJ. NO.	82044-6
FILE NO.	1507



NOTE:

"TOPOGRAPHY WITHIN ACTIVE PORTION OF THE LANDFILL DIFFERENT FROM THAT INDICATED.

NOTE:

TOPO BASED ON AERIAL PHOTOGRAPHY.
DATE FLOWN:
10/13/82

STATUS	AS
RD	5-21-8
P	PRELIMINARY
E	FOR ESTIMATE
D	FOR BIDDING
O	FOR CONSTRUCTION
P	DESTROY
R	PORTION(S)
A	APPROVAL
C	CHECK PRINT
RC	RECORD DRAWING

		DES.	JWC
REV.	DATE	DRAWN	CJS
		CHECKED	

SUBMITTED: BRILEY, WILD & ASSOCIATES

APPROVED: _____ PROJECT _____

STATE OF FLORIDA

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART C
EXISTING TOPOGRAPHY - OVERALL PLAN
MANATEE COUNTY, FLORIDA

DATE:	JAN. 1983
SCALE:	1" = 200
SHEET NO.	3 OF 6
PROJ. NO.	8004.01
FILE NO.	L-5

EXIST. FENCE LINE

4430' OF EXISTING DITCH TO BE REGRADED

DETAIL "A" OVERFLOW WEIR SEE SHT. 6 FOR DETAILS.

EXIST. ROADWAYS

EXIST. FENCE LINE

3080' OF NEW DITCH TO BE CONSTR.

EXIST. DITCH

PROP. DITCH

PROPOSED BERM

EXISTING POND

REMOVE EXIST. BERM

775'

680'

PROPOSED DETENTION AREA

PIPE CULVERT DETAIL SEE SHT. 6 FOR DETAILS THIS AREA

1880' OF EXISTING DITCH TO BE REGRADED

DETAIL "B" OVERFLOW WEIR SEE SHT. 6 FOR DETAILS.

THIS LINE DENOTES LIMIT OF WORK

LEGEND

ROADWAYS SHOWN IN APPROX. LOCATION WITHIN LANDFILL LIMITS.

PROPOSED DETENTION AREAS

LIMIT OF WORK

STATUS	ACTIVITY DATE
RC	5-15-00
P	PRELIMINARY
E	FOR ESTIMATING
B	FOR BIDDING ONLY
O	FOR CONSTRUCTION
R	RECORD DRAWING
A	APPROVAL
C	CHECK
RD	RECORD DRAWING

A	FIRST RECORD DRAWING	DM	
1	5-15-00 AS PER OWNER'S REQUEST	DM	
NO.	DATE REVISION	BY	

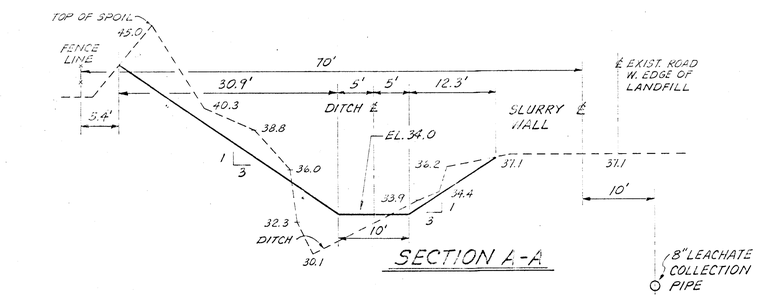
DESIGNED JMC
DRAWN GIS
CHECKED LAP

SUBMITTED: BRILEY, WILD & ASSOCIATES
PRINCIPAL / PROJECT ENGINEER
APPROVED:

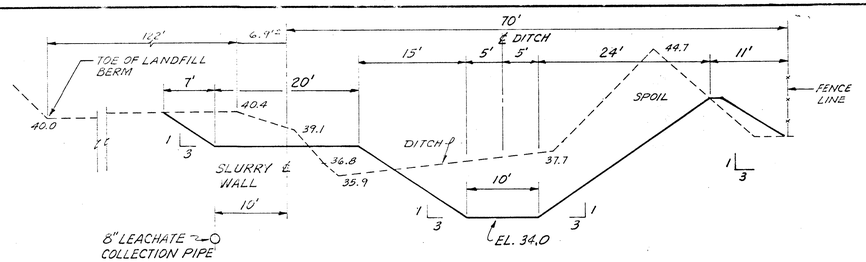
briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART C
OVERALL DEVELOPMENT PLAN
MANATEE COUNTY, FLORIDA

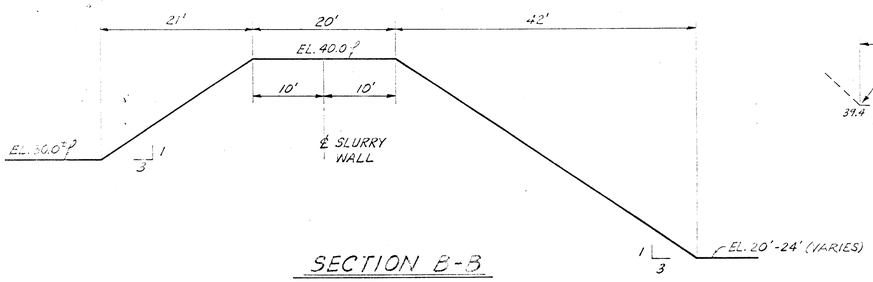
DATE: JAN. 1995
SCALE: 1" = 200'
SHEET 1 OF 6
PROJ. NO. 92044-C
FILE NO. 11500



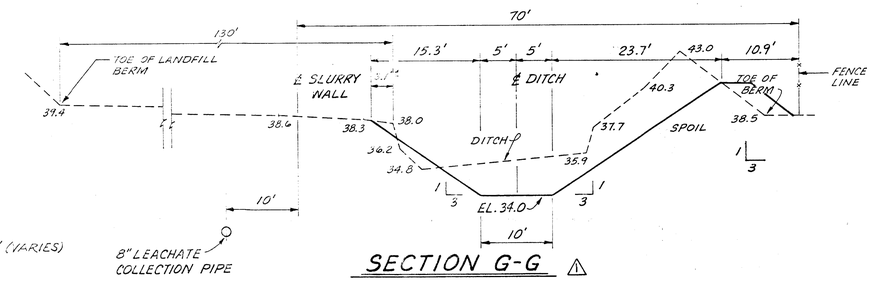
SECTION A-A



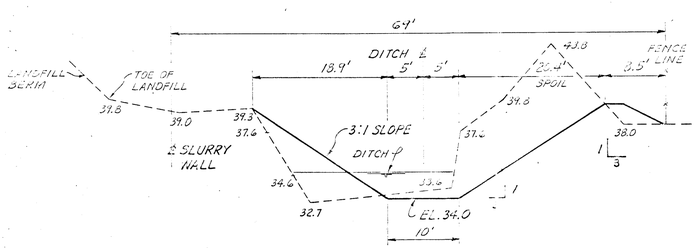
SECTION F-F ⚠



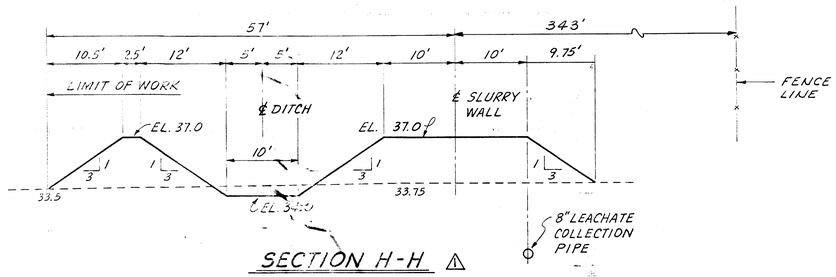
SECTION B-B



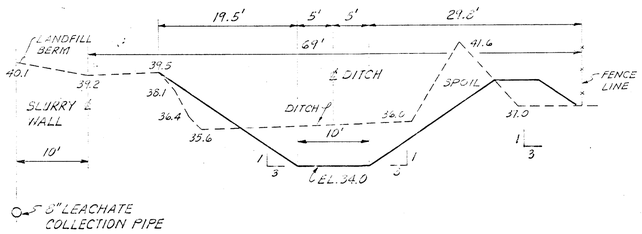
SECTION G-G ⚠



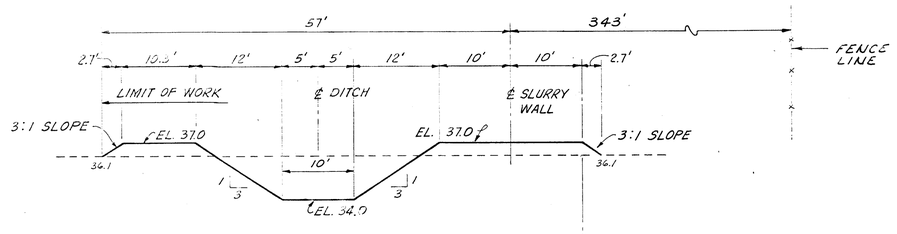
SECTION C-C ⚠



SECTION H-H ⚠

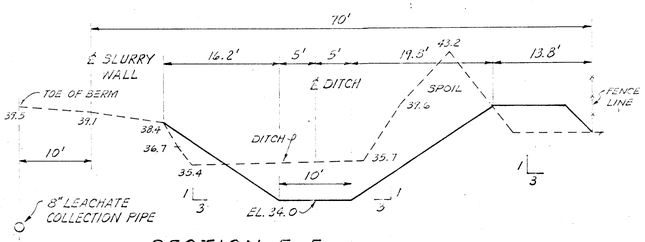


SECTION D-D ⚠

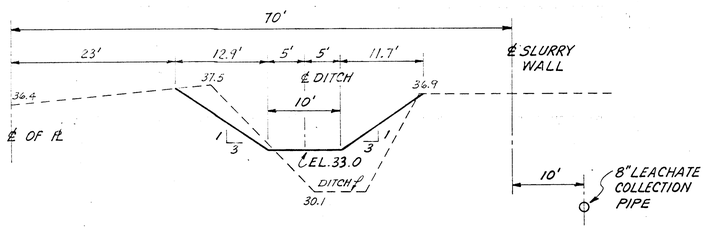


SECTION J-J ⚠

NOTE: SLURRY WALL AND LEACHATE COLLECTION PIPE TO BE PROVIDED BY OTHERS UNDER SEPARATE CONTRACT.



SECTION E-E ⚠



SECTION K-K

LEGEND

------ EXISTING SURFACE ELEV.

——— REVISED DITCH SECTION TO BE ACCOMPLISHED UNDER THIS CONTRACT.

RECORD DRAWING

STATUS	ACTION DATE
AD	5-21-85
P	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING ONLY
U	RETURNED FOR CORRECTION
R	RETURNED FOR CORRECTIONS PRINTS
H	APPROVAL(S) BEING HELD
A	APPROVED
C	CHECK PRINT
RD	RECORD DRAWING

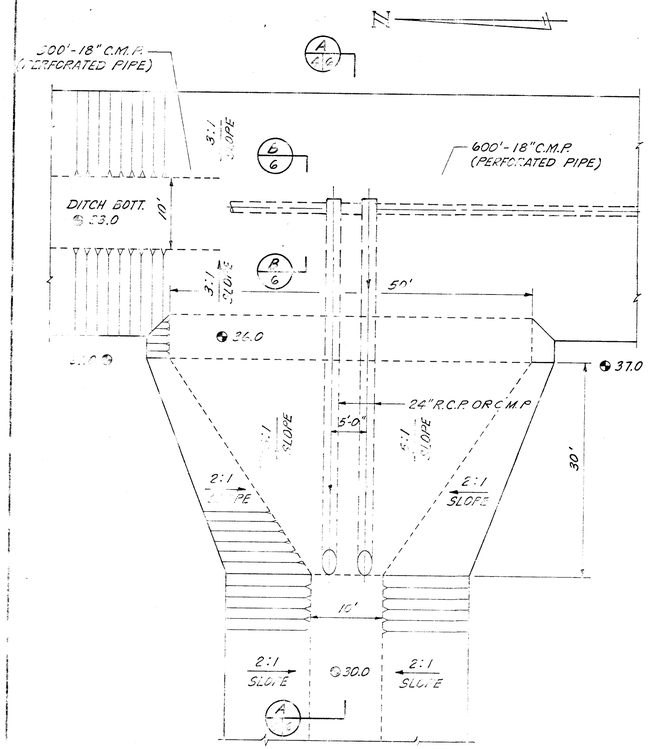
5-21-85 RECORD DRAWING.	DM	DESIGNED	JWC
3/1/85 AS PER CLIENTS REQUEST		DRAWN	GIS
NO. DATE REVISION	BY	CHECKED	LAP

SUBMITTED: briley, wild & associates
PRINCIPAL / PROJECT ENGINEER
APPROVED:

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

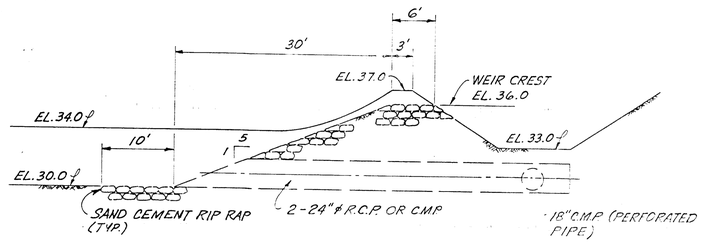
LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART C
CROSS SECTIONS
MANATEE COUNTY, FLORIDA

DATE: JAN 1985
SCALE: HORIZ. 1" = 5'
VERT. 1" = 5'
SHEET NO. 5 OF 11
PROJ. NO. 0044-6
FILE NO. 11.00



PARTIAL PLAN-DETAIL "B"

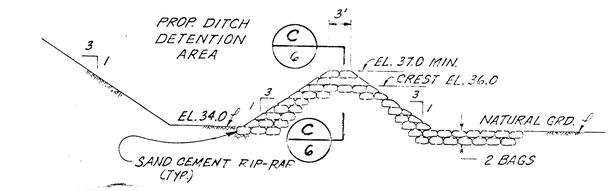
SCALE: 1"=10'



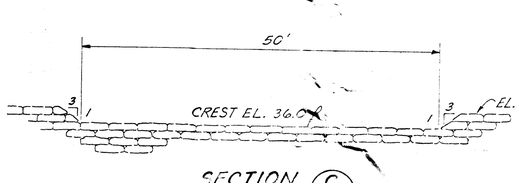
SECTION A 6

POND BOTTOM UNDERDRAIN

SCALE: HORIZ. 1"=10'
VERT. 1"=5'



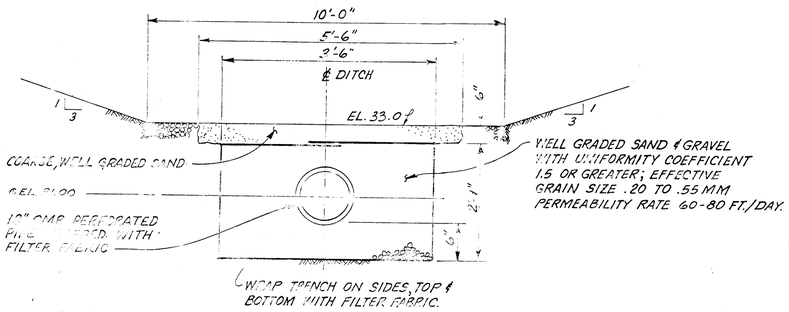
ELEVATION



SECTION C 6

TYPICAL OVERFLOW WEIR - DETAIL "A"

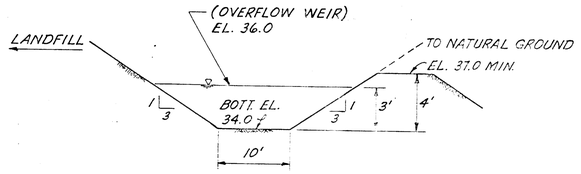
SCALE: HORIZ. 1"=10'
VERT. 1"=5'



SECTION E 6

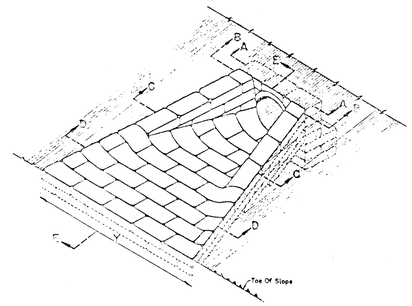
TYPICAL POND BOTTOM UNDERDRAIN DETAIL

NTS



TYPICAL DETENTION BASIN DETAIL

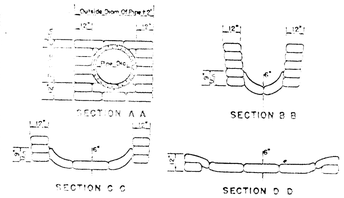
SCALE: HORIZ. 1"=10'
VERT. 1"=5'

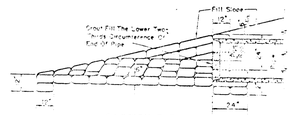


ISOMETRIC

DIMENSIONS and QUANTITIES 12" ROUND PIPE CULVERTS

Dimensions					
D Dia.	X	1-12" Dia.	2-12" Dia.	3-12" Dia.	





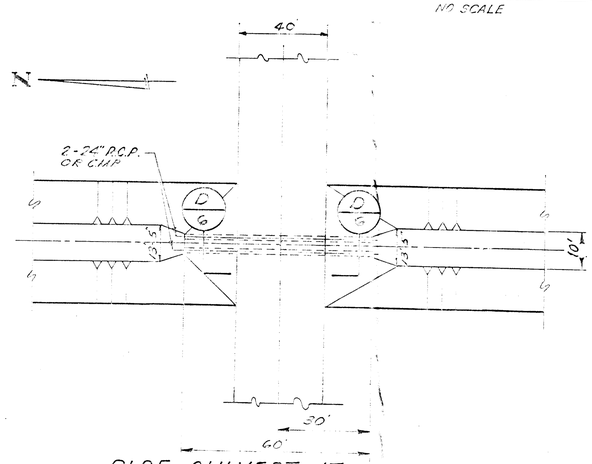
SECTION E E

DETAIL FOR SINGLE PIPE CULVERT

NOTE: For Multiple Pipe Culvert spacing between pipe centers = X

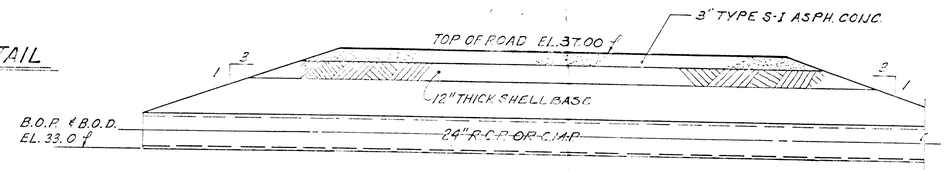
PIPE CULVERT DETAIL

NO SCALE



PIPE CULVERT AT ROADWAY CROSSING △

NTS



SECTION D 6

NTS △

RECORD DRAWING

STATUS	AUTHORIZATION
RD	5-2-88
P	PRELIMINARY
E	FOR ESTIMATE
D	FOR BIDDING
O	FOR CONSTRUCTION
R	RECORD DRAWING
H	PORTIONS AS NOTED
A	APPROVAL
C	CHECK PRINT
PD	RECORD DRAWING

		DESIGNED	THL
		DRAWN	PM
		TRACED	GJ
DATE	REVISION	CHECKED	LAP

SUBMITTED: BRILEY, WILD & ASSOCIATES
PRINCIPAL
APPROVED:

briley, wild & associates, inc.
CONSULTING ENGINEERS AND PLANNERS
Ormond Beach - Clearwater - Bradenton - Orlando, Florida

LENA ROAD LANDFILL IMPROVEMENTS - STAGE I PART C
DETAILS
MANATEE COUNTY, FLORIDA

DATE: JAN. 1988
SCALE: AS SHOWN
SHEET NO. 6 OF 6
FILE