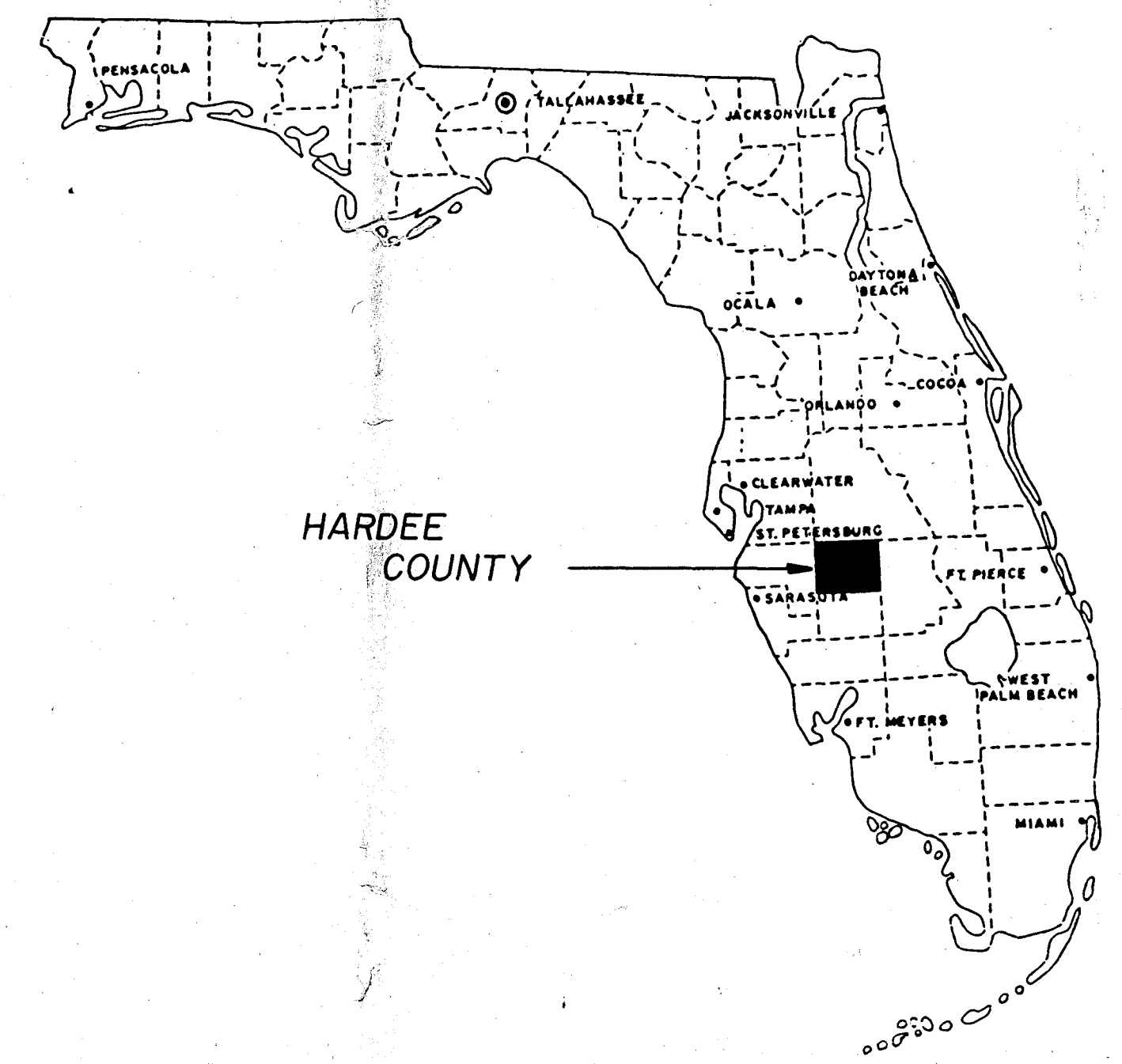
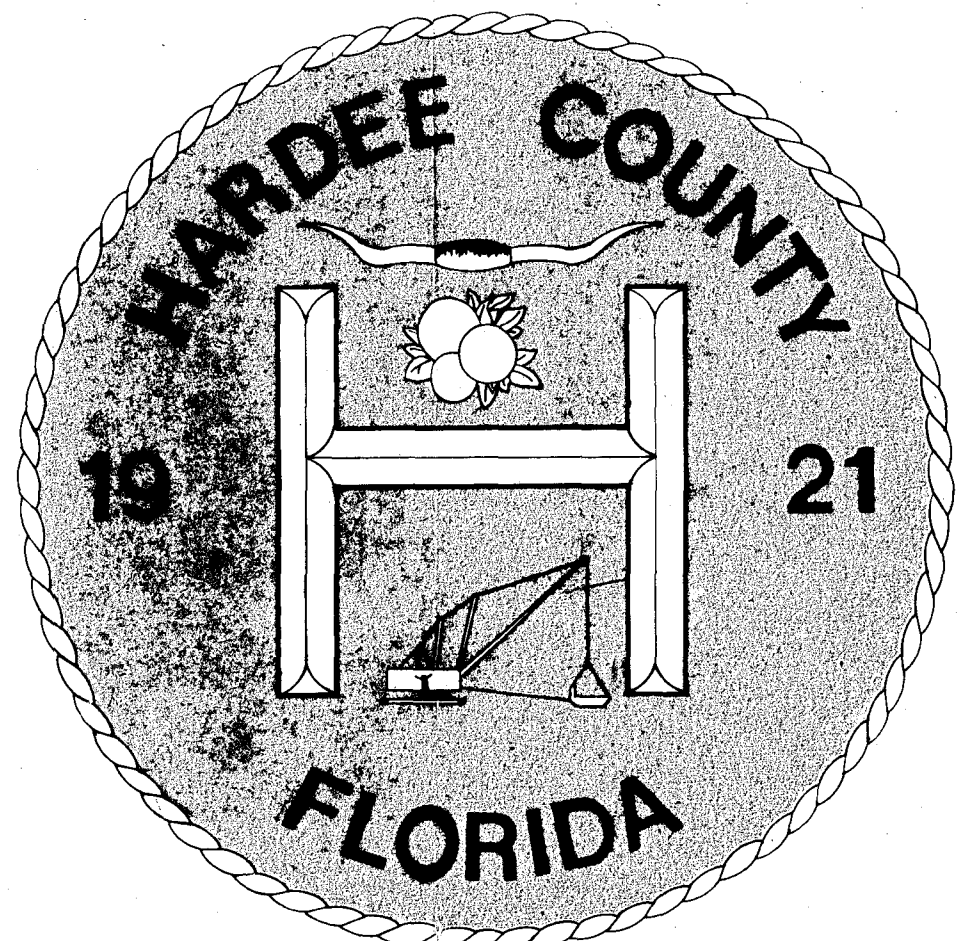
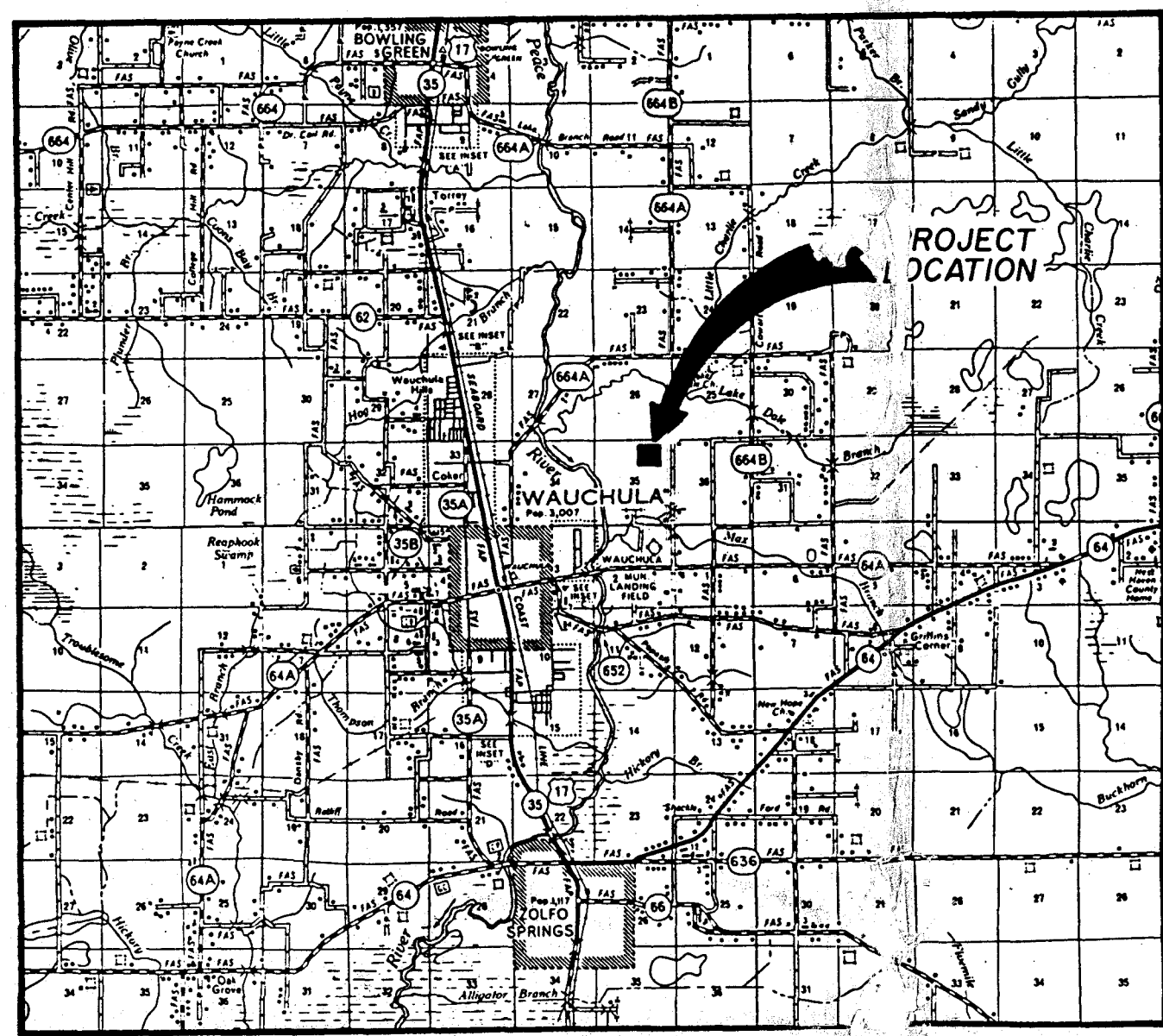


HARDEE COUNTY SANITARY LANDFILL IMPROVEMENTS



COMMISSIONERS

- MAURICE HENDERSON**
- SAMUEL L. RAWLS**
- BENNY W. ALBRITTON**
- ROLAND L. SKIPPER**
- JAMES O. MOYE**
- COUNTY ATTORNEY**
- GARY ALAN VORBECK**

INDEX OF DRAWINGS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET & INDEX OF DRAWINGS
2	EXISTING SITE PLAN
3	LEACHATE COLLECTION AND SPRAY IRRIGATION SYSTEM
4	LEACHATE COLLECTION DETAILS
5	IRRIGATION PUMP STATION
6	ELECTRICAL & MISCELLANEOUS DETAILS
7	STORMWATER MANAGEMENT PLAN
8	STORMWATER MANAGEMENT PLAN DETAILS

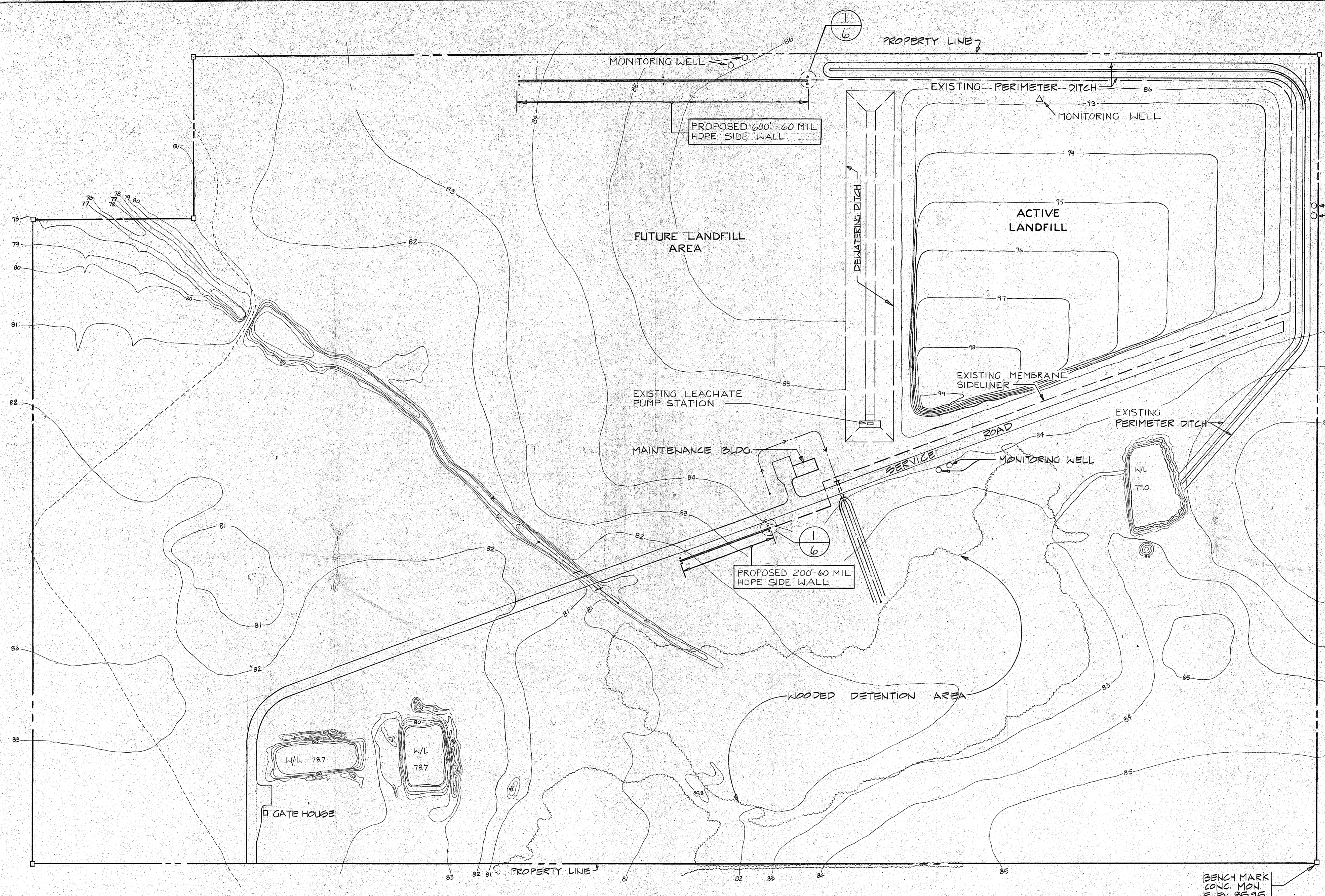
Leillard Bros.
Used Auto Parts
W.T.P.
WT 25-181951
Hardee County

D. E. R.
APR 01 1987
SOUTH WEST DISTRICT
TAMPA

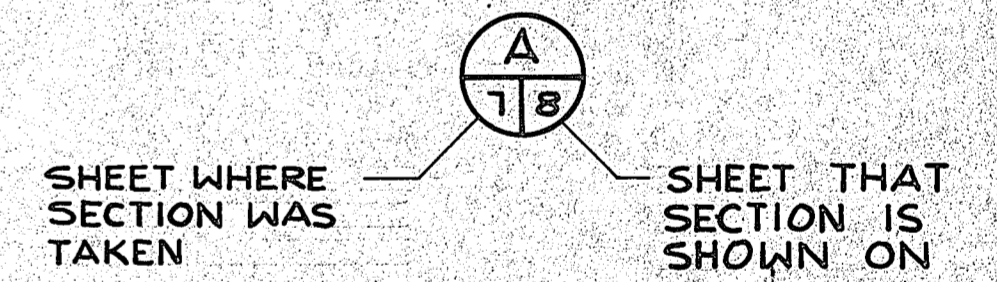
STATUS	ACTION DATE
A	3-27-87
P	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING ONLY
O	RELEASED FOR CONSTRUCTION
R	REVISED DESTROY PREVIOUS PRINTS
H	PORTION(S) BEING HELD
A	APPROVAL
C	CHECK PRINT
RD	RECORD DRAWING

MAR 31 1987

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED</td> <td>LAP</td> <td>SUBMITTED BY: <i>[Signature]</i></td> </tr> <tr> <td>DRAWN</td> <td>TDC</td> <td>APPROVED: <i>[Signature]</i></td> </tr> <tr> <td>CHECKED</td> <td>JWC</td> <td>COPYRIGHT © 1987 ALL RIGHTS RESERVED Briley, Wild and Associates, Inc.</td> </tr> </table>	DESIGNED	LAP	SUBMITTED BY: <i>[Signature]</i>	DRAWN	TDC	APPROVED: <i>[Signature]</i>	CHECKED	JWC	COPYRIGHT © 1987 ALL RIGHTS RESERVED Briley, Wild and Associates, Inc.	 Briley, Wild & Associates, Inc. CONSULTING ENGINEERS AND PLANNERS Ormond Beach - Clearwater - Bradenton - Orlando, Florida	HARDEE COUNTY SANITARY LANDFILL IMPROVEMENTS COVER SHEET & INDEX OF DRAWINGS HARDEE COUNTY, FLORIDA	DATE: MARCH 1987 SCALE: NONE SHEET NO. 1 OF 8	PROJ. NO. 86073-6 FILE NO. 12363
DESIGNED	LAP	SUBMITTED BY: <i>[Signature]</i>											
DRAWN	TDC	APPROVED: <i>[Signature]</i>											
CHECKED	JWC	COPYRIGHT © 1987 ALL RIGHTS RESERVED Briley, Wild and Associates, Inc.											



LEGEND



SECTION DESIGNATION

DETAIL IDENTIFICATION

SHEET WHERE DETAIL IS SHOWN

DETAIL CALLOUT

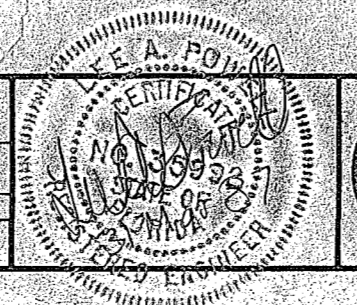
ABBREVIATIONS

C M P	Corrugated Metal Pipe
C S P E	Corrugated Slotted Polyethylene Pipe
H D P E	High Density Polyethylene
P V C	Polyvinylchloride Pipe

STATUS	ACTION DATE
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MAR 31 1987

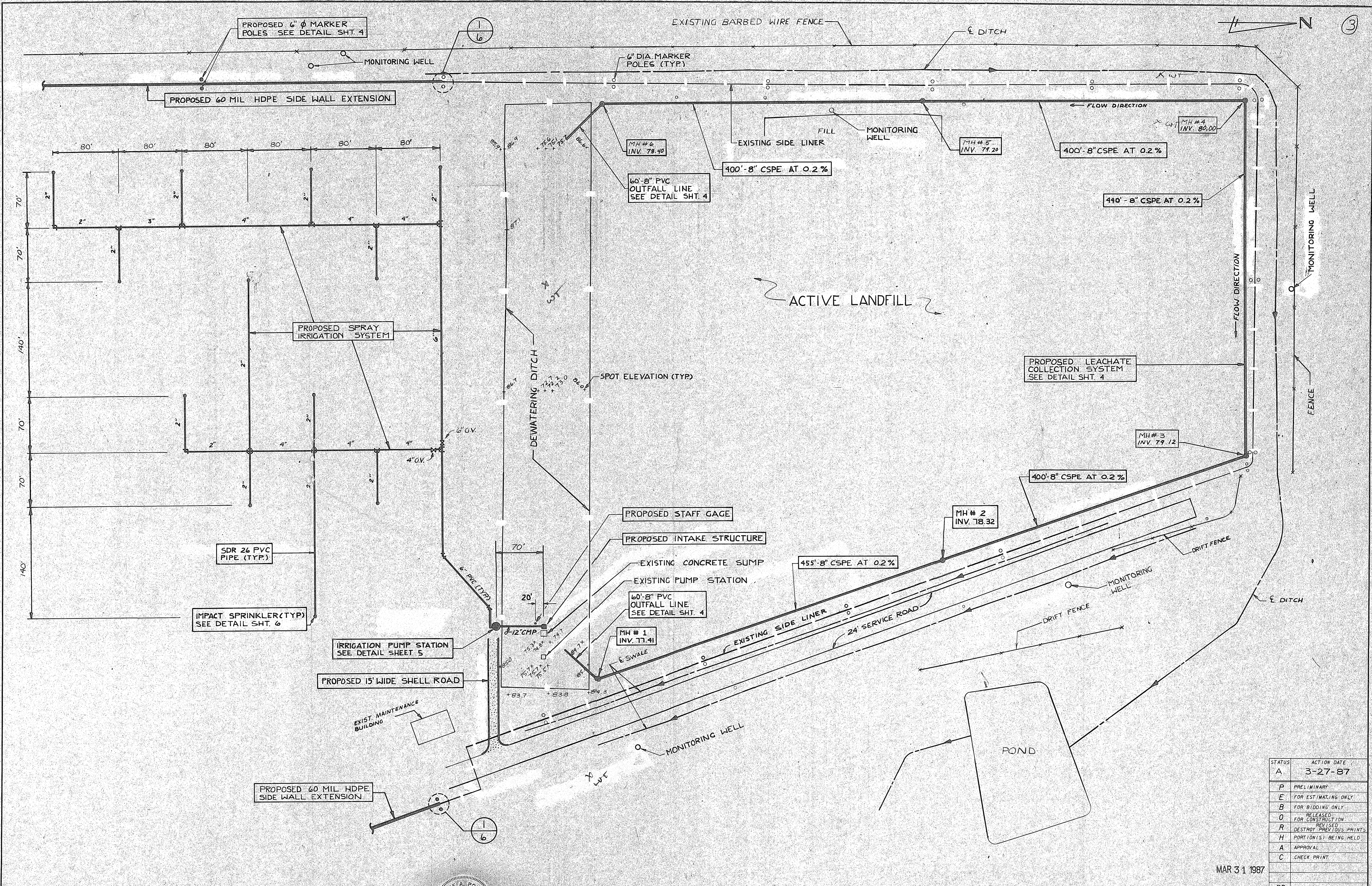
REV. NO.	DATE	REVISION	BY	CHECKED



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HARDEE COUNTY SANITARY LANDFILL IMPROVEMENTS
 EXISTING SITE PLAN
 HARDEE COUNTY, FLORIDA

DATE: MARCH 1987	PROJ. NO. 86073-6
SCALE: 1" = 100'	FILE NO. 12364
SHEET NO. 2 OF 8	



STATUS	ACTION DATE
A	3-27-87
P	PRELIMINARY
E	FOR ESTIMATING ONLY
B	FOR BIDDING ONLY
O	FOR CONSTRUCTION
R	RELEASED
H	DESTROY PREVIOUS PRINTS
A	PORTION(S) BEING HELD
C	APPROVAL
RD	CHECK PRINT
RD	RECORD DRAWING

MAR 31 1987

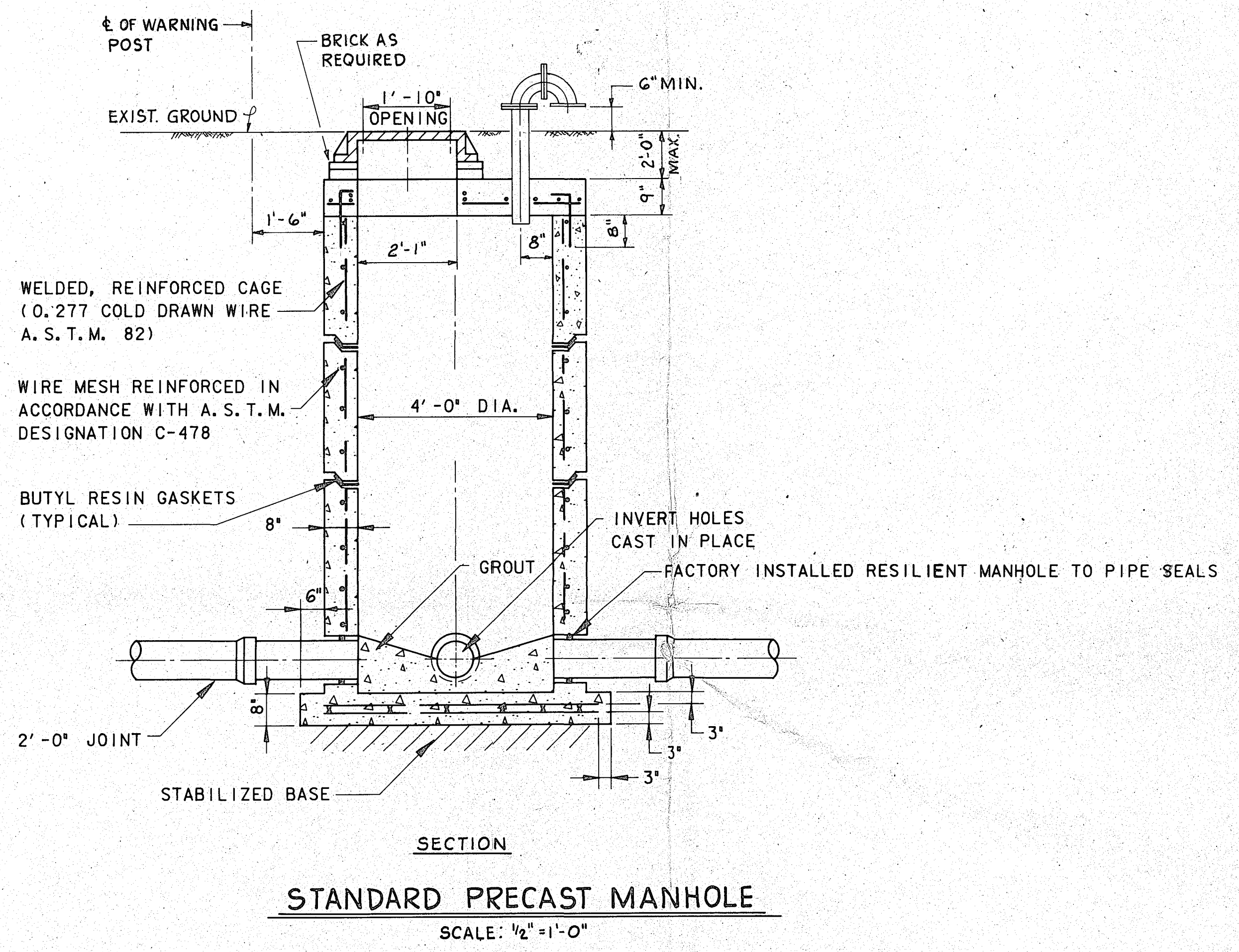
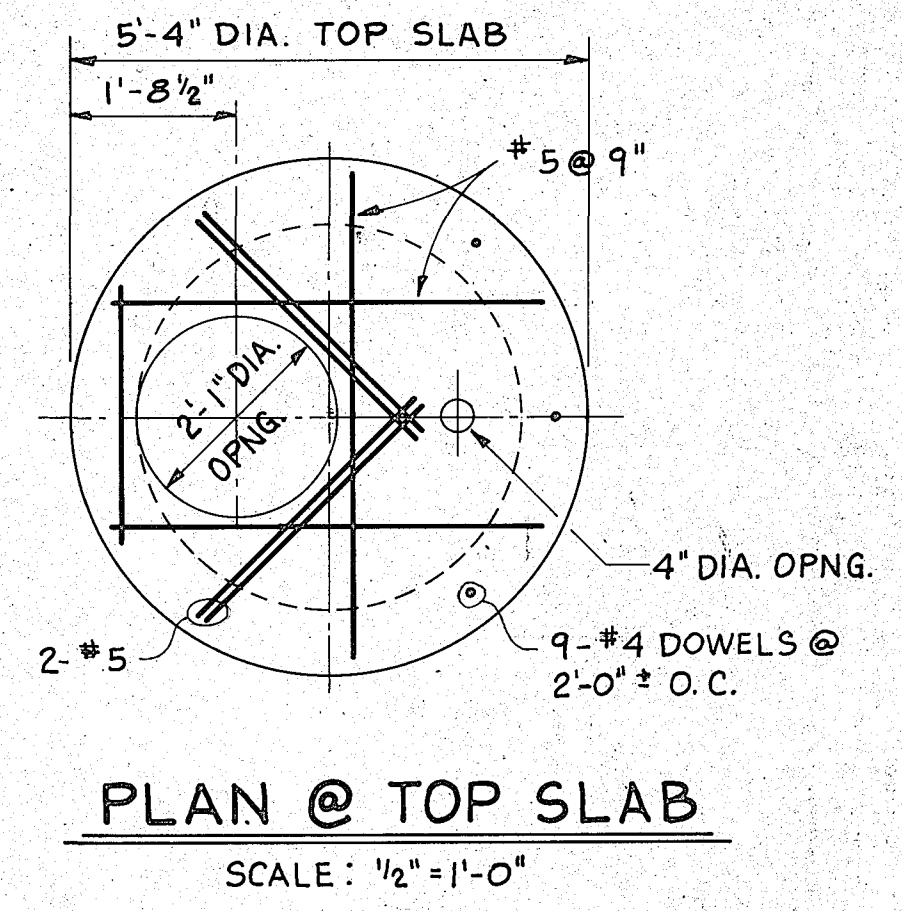
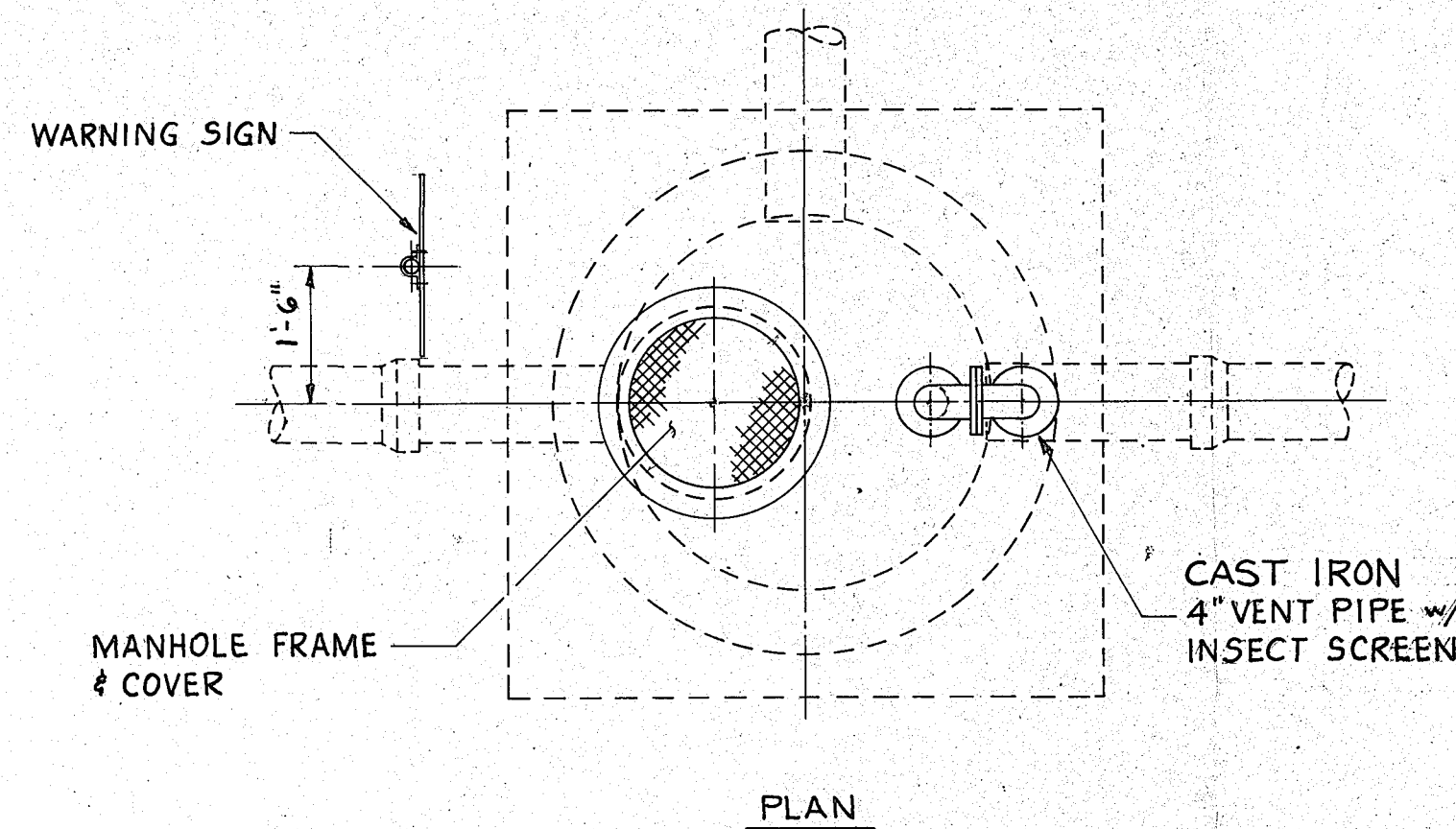
REV. NO.	DATE	REVISION

DESIGNED	LAP	BY	APPROVED
DRAWN	TDC	BY	APPROVED
CHECKED	JWC	BY	APPROVED

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HARDEE COUNTY SANITARY LANDFILL IMPROVEMENTS
LEACHATE COLLECTION AND SPRAY IRRIGATION SYSTEM
 HARDEE COUNTY, FLORIDA

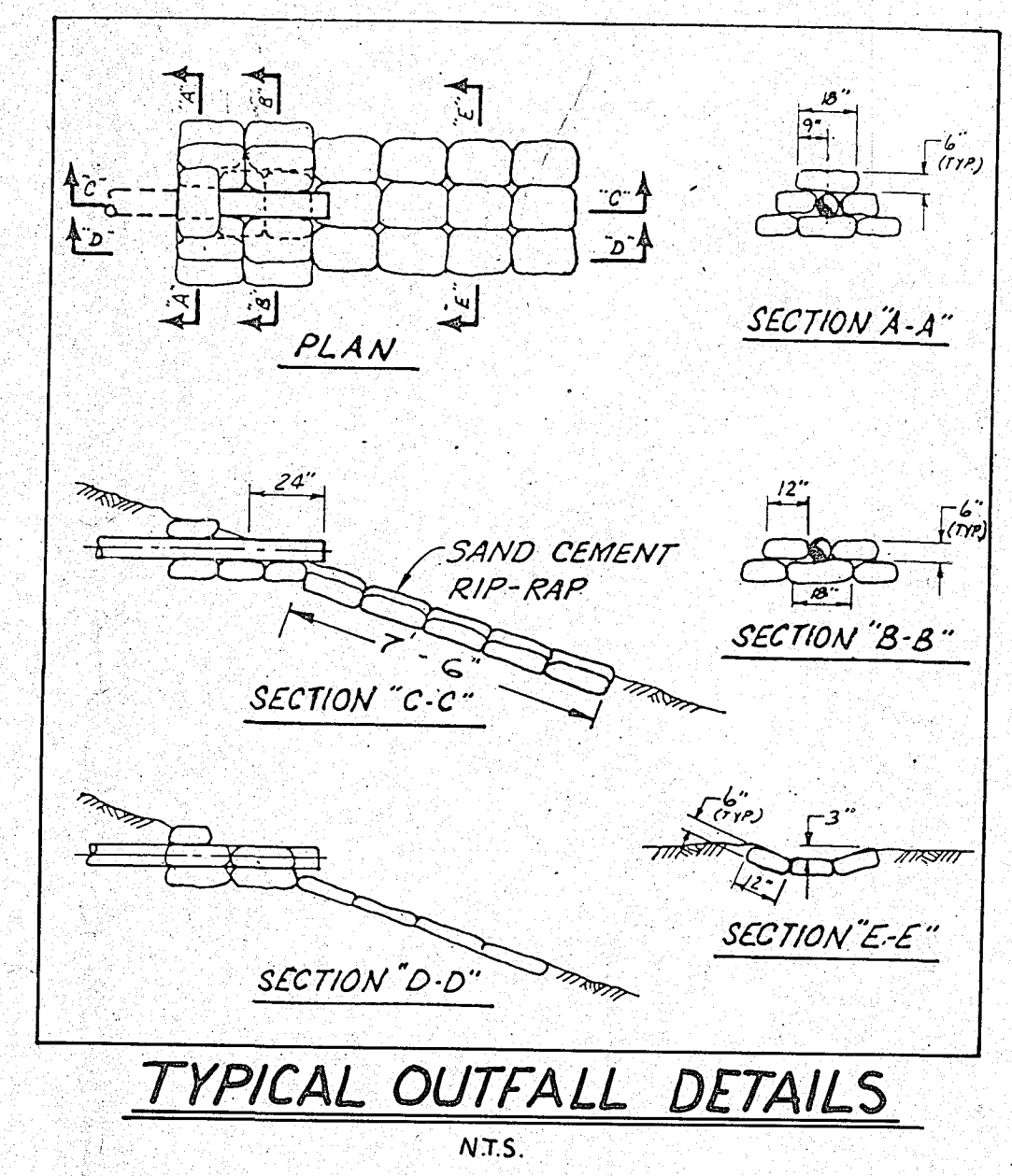
DATE: MARCH 1987	PROJ. NO. 86073-6
SCALE: 1"=50'	FILE NO. 12365
SHEET NO. 3 OF 8	



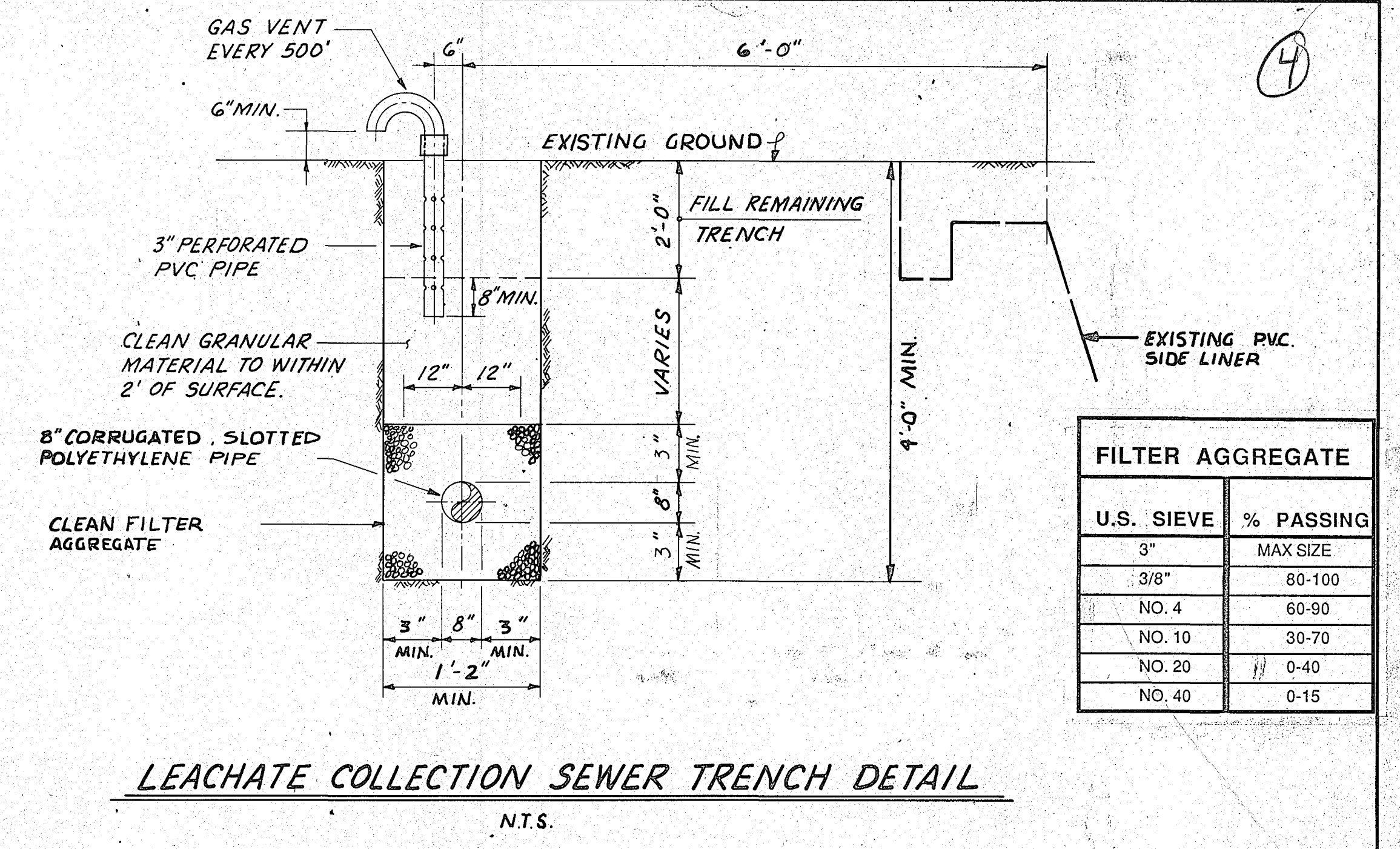
STANDARD PRECAST MANHOLE
SCALE: 1/2" = 1'-0"

NOTE:
MANHOLE FRAMES AND COVERS SHALL CONFORM TO A.S.T.M. DESIGNATION A 48-(1971) OR FEDERAL SPECIFICATIONS QQ-1-652B. COMBINED WEIGHT SHALL BE NOT LESS THAN 305 POUNDS, COVER = 145 LBS., FRAME = 160 LBS.

- NOTES:**
1. INVERT HOLES TO BE CAST IN PLACE & 2" LARGER THAN PIPE O.D.
 2. ALL CONCRETE USED SHALL BE STRUCTURAL & CONFORM TO OR EXCEED REQUIREMENTS OF A.S.T.M. DESIGNATION C-478 FOR PRECAST CONCRETE MANHOLES.

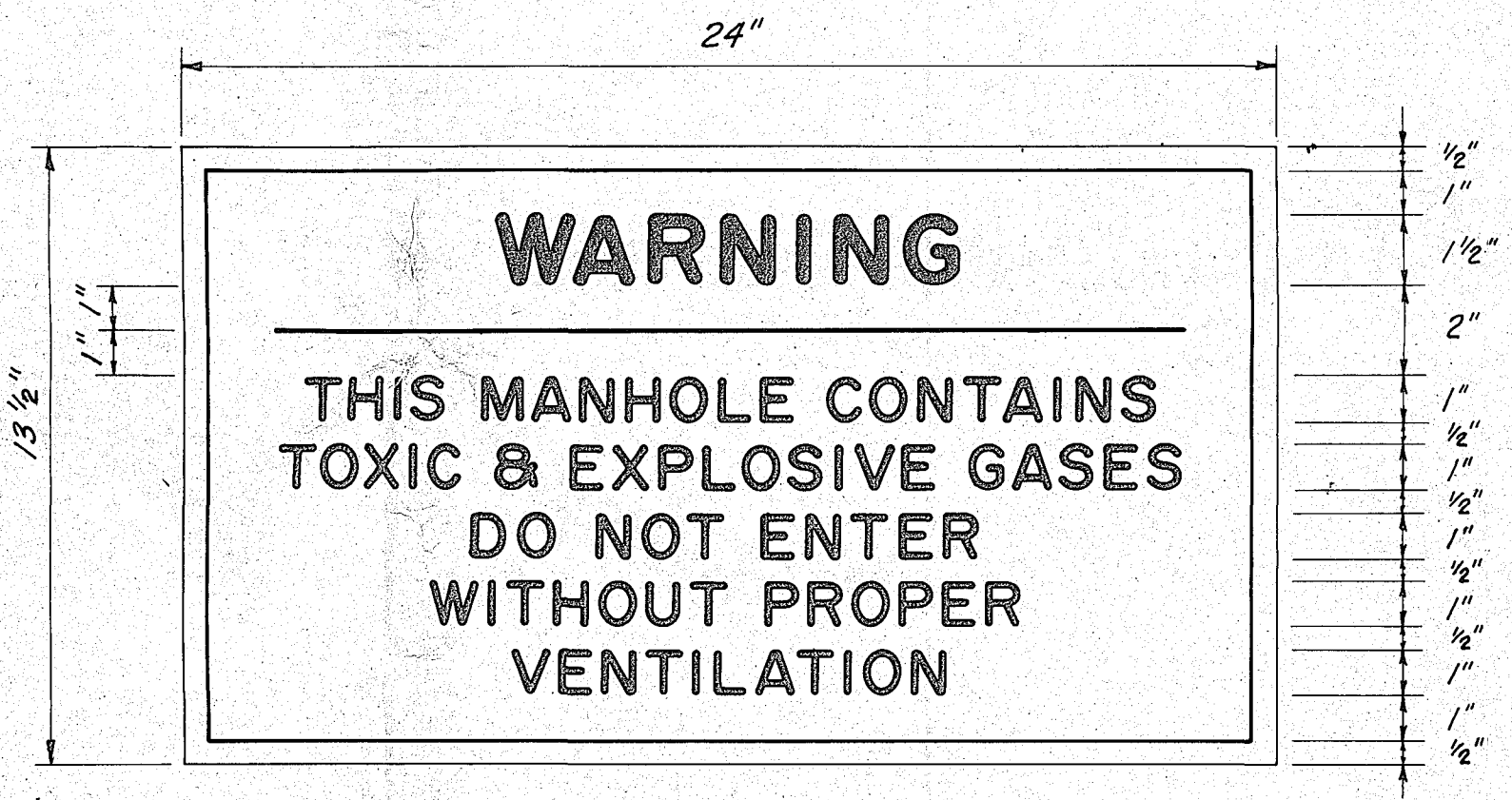


TYPICAL OUTFALL DETAILS
N.T.S.



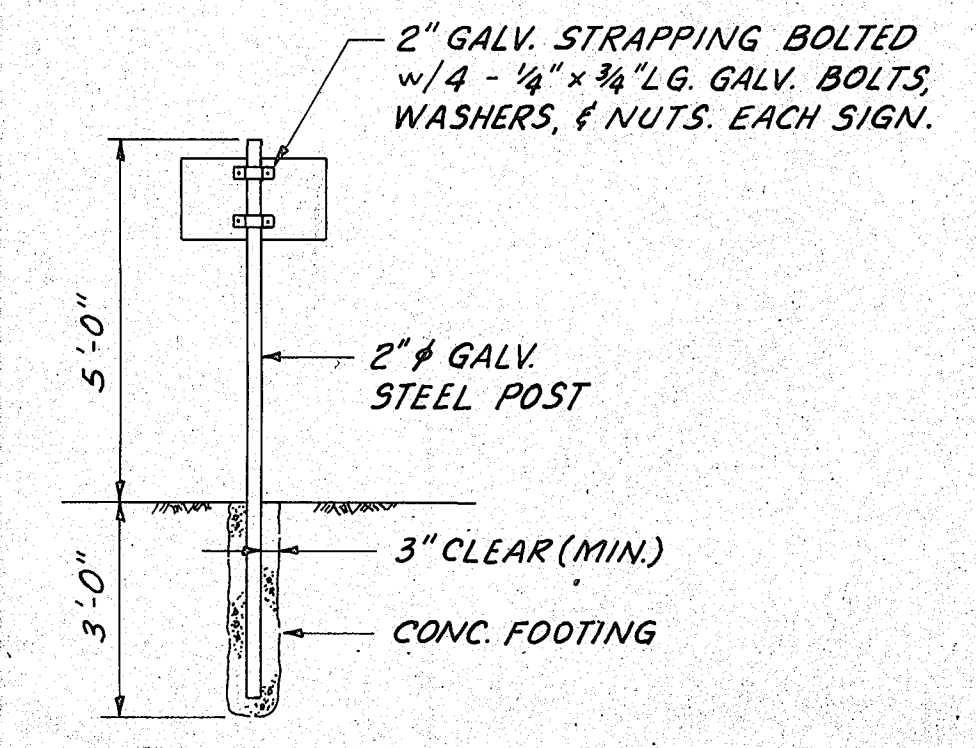
FILTER AGGREGATE	
U.S. SIEVE	% PASSING
3"	MAX SIZE
3/8"	80-100
NO. 4	60-80
NO. 10	30-70
NO. 20	10-40
NO. 40	0-15

LEACHATE COLLECTION SEWER TRENCH DETAIL
N.T.S.

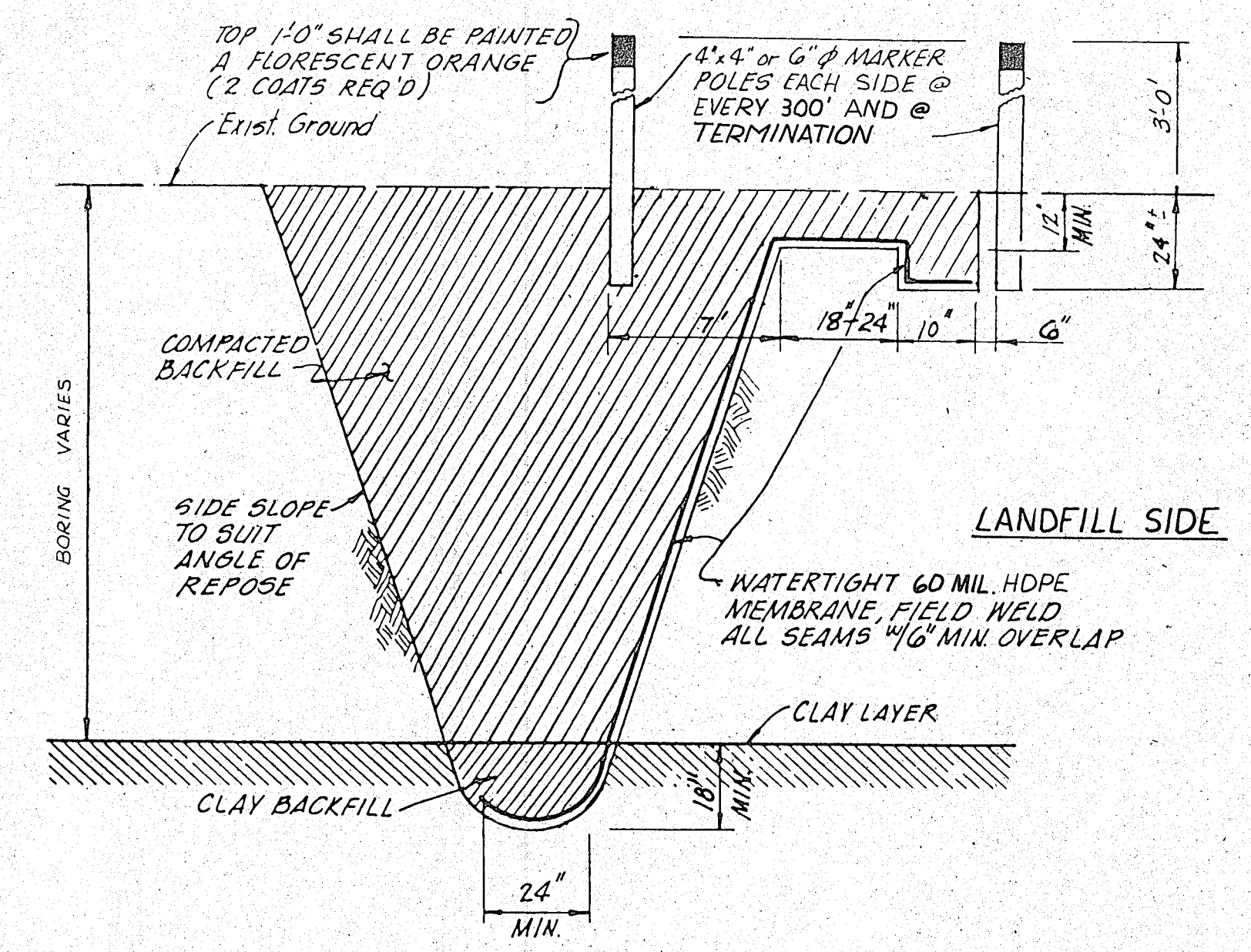


- NOTES:**
1. THE COLOR OF THE SIGN SHALL BE HIGH INTENSITY SILVER-WHITE REFLECTORIZED BACKGROUND WITH RED OPAQUE BORDER AND LEGEND. SIGN PANEL SHALL BE 0.08 IN. MIN. THICK ALUMINUM. PANELS ARE TO BE DEGREASED, ETCHED, NEUTRALIZED AND TREATED WITH ALDINE 1200, IRIDINE 14-2, BONDERITE T21 OR EQUAL. NO STENCILING PERMITTED ON PANELS.
 2. PLACE 13 1/2" x 24" SIGNS AS SHOWN ON SIGN PLACEMENT DETAIL THIS SHEET. (6 REQUIRED)

WARNING SIGN DETAIL
SCALE: 3" = 1'-0"



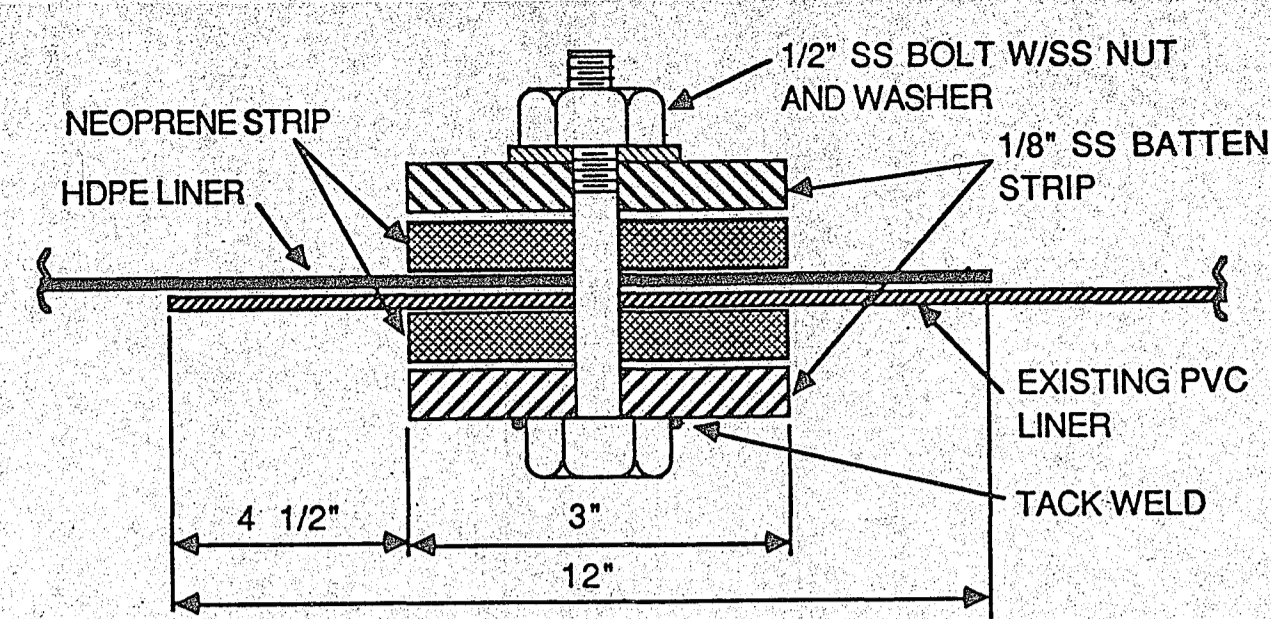
SIGN PLACEMENT DETAIL
SCALE: 3/8" = 1'-0"



SIDE WALL EXTENSION DETAIL
N.T.S.

STATUS	ACTION DATE
A	3-27-87
P	PRELIMINARY
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MAR 31 1987

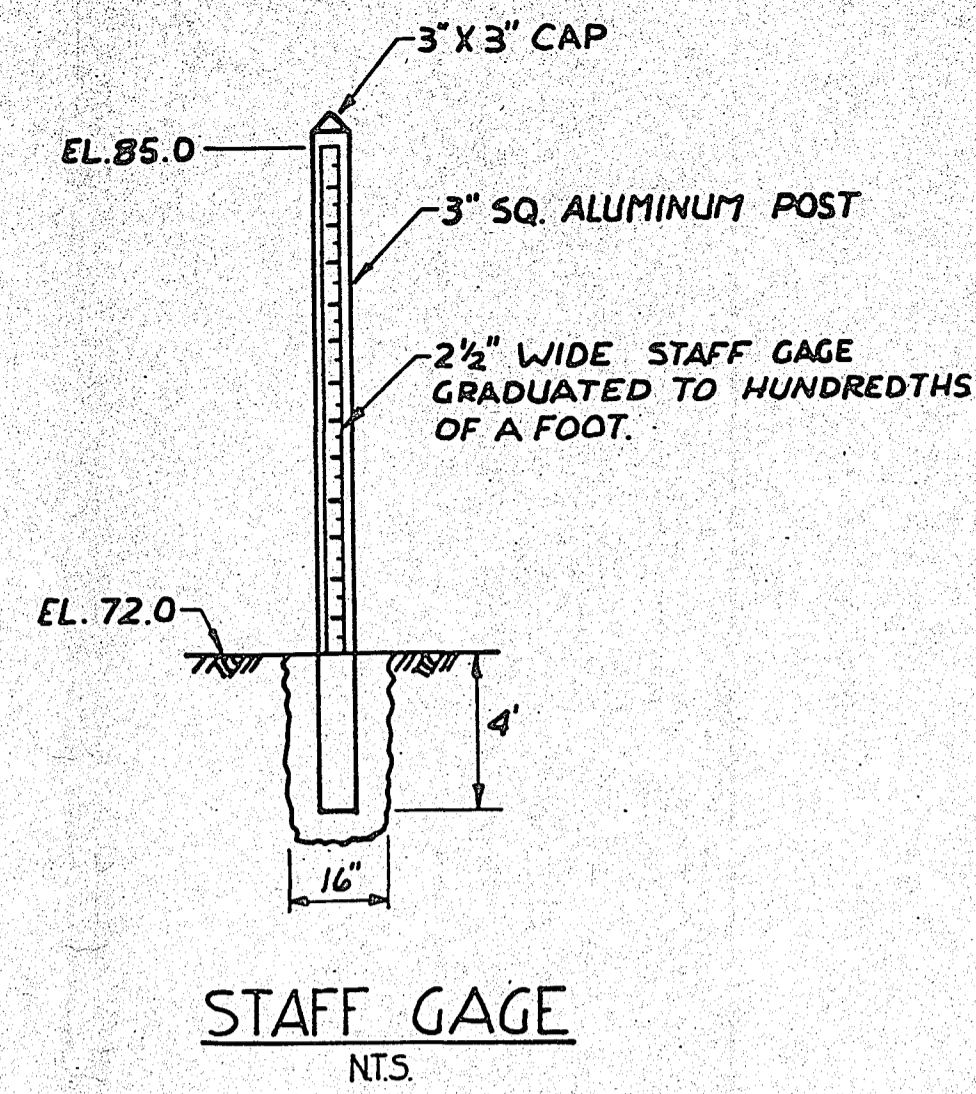


CONNECTION TO EXISTING LINER

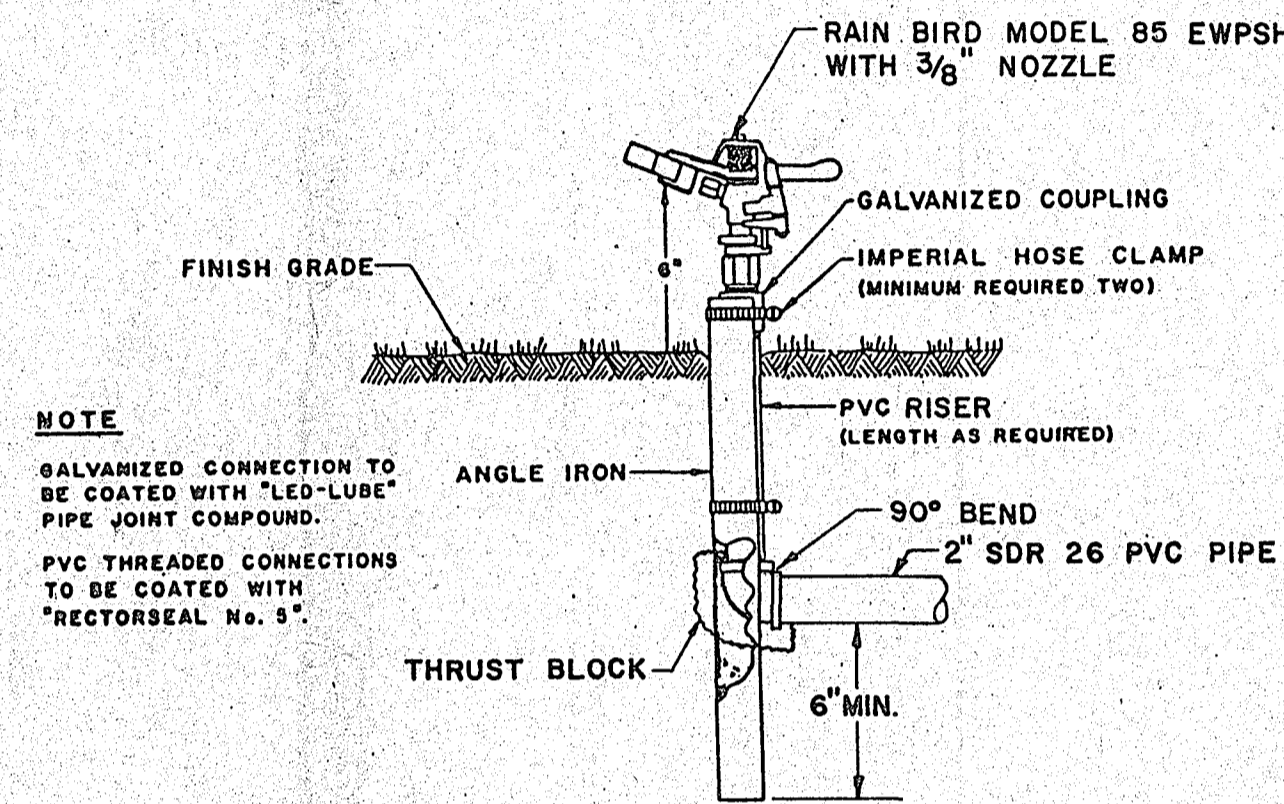
NOTE:

- EXISTING PVC LINER TO BE THOROUGHLY CLEANED PRIOR TO MAKING CONNECTION.
- BATTENS TO BE PLACED CONTINUOUS OVER THE ENTIRE EXPOSED END OF THE EXISTING LINER.
- BOLTS TO BE PLACED ON 16" CENTERS ALONG ENTIRE LENGTH OF BATTENS.

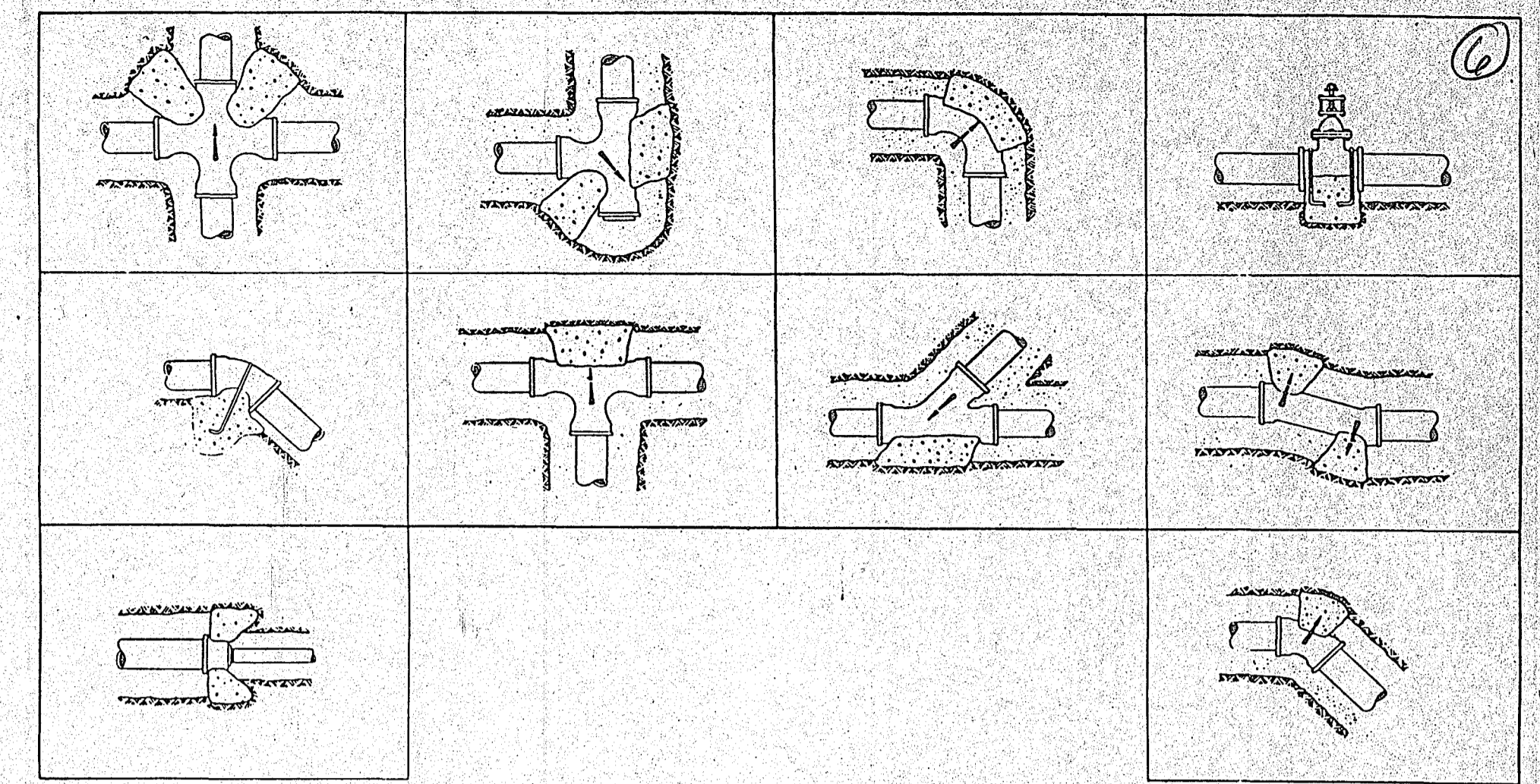
DETAIL 1
N.T.S. 6



STAFF GAGE
N.T.S.



TYPICAL SPRINKLER HEAD DETAIL
N.T.S.

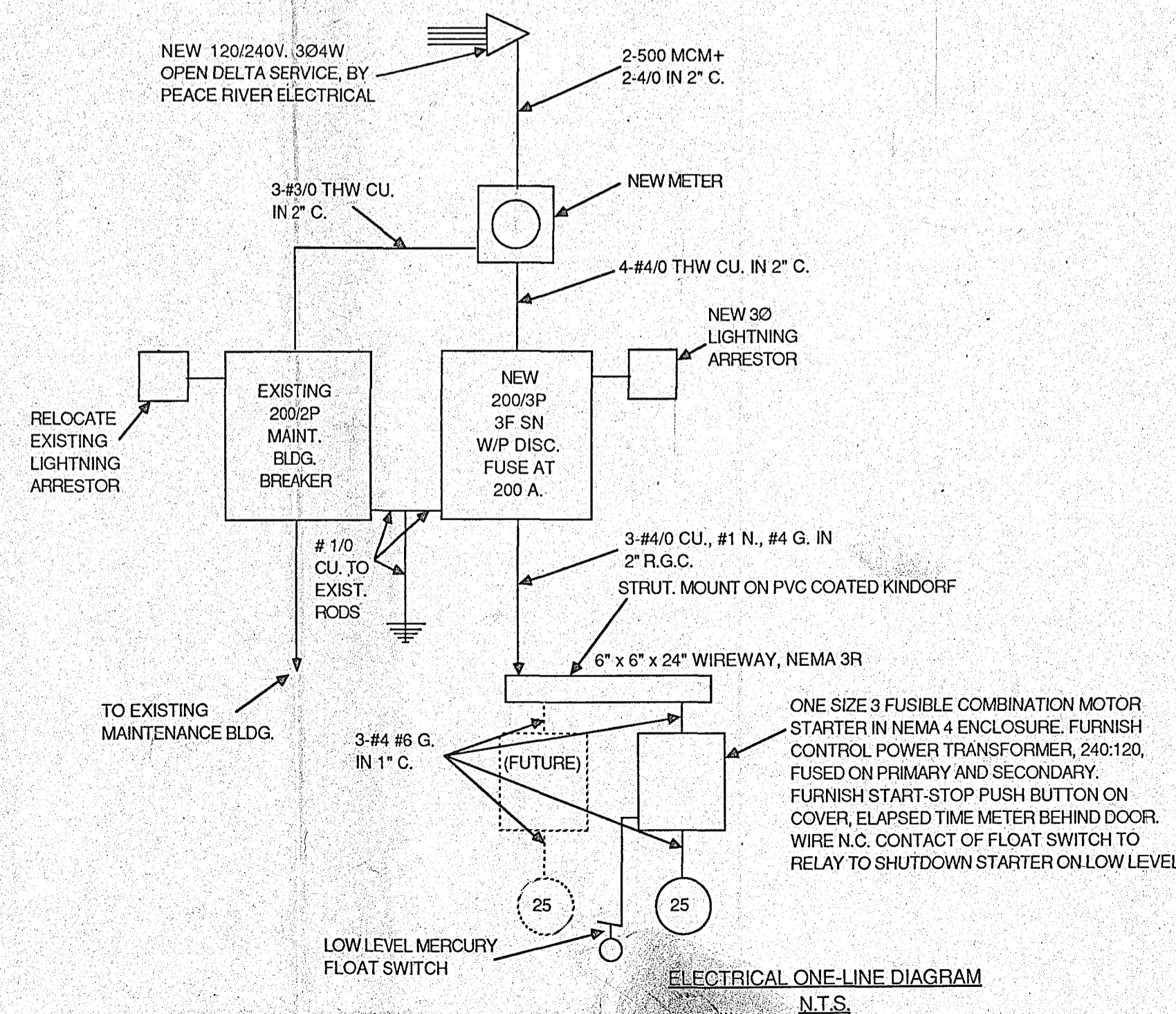


TYPICAL THRUST BLOCK DETAILS

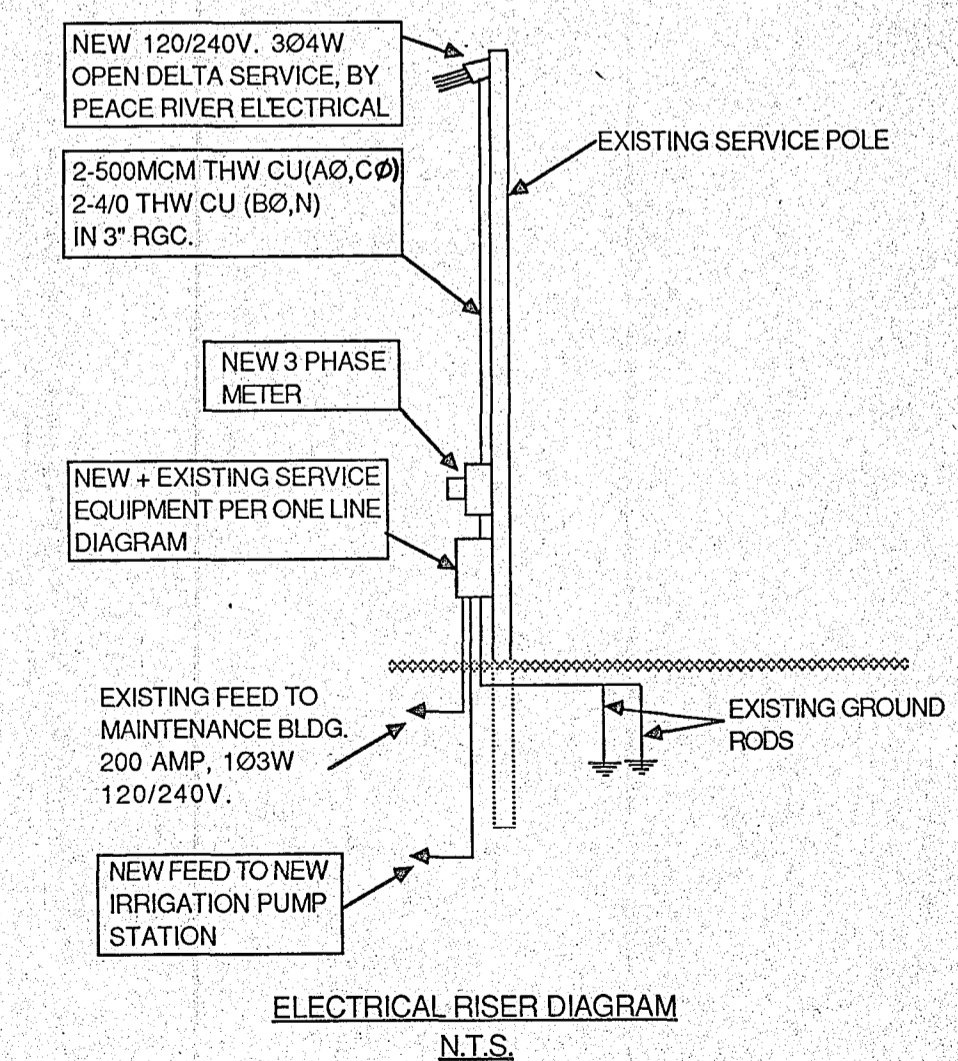
BEARING AREA TABLE (SQUARE FEET)

PIPE SIZE	DEAD END OR TEE	90° ELBOW	45° ELBOW	22 1/2° ELBOW
1 1/2"	0.22	0.31	0.17	0.09
2"	0.34	0.48	0.26	0.13
2 1/2"	0.50	0.71	0.38	0.20
3"	0.74	1.04	0.56	0.29
3 1/2"	0.96	1.36	0.74	0.37
4"	1.22	1.73	0.93	0.47
5"	1.85	2.63	1.42	0.72
6"	2.61	3.69	2.00	1.02
8"	4.43	6.26	3.39	1.73
10"	6.66	9.75	5.25	2.69
12"	9.66	13.65	7.39	3.77

THE FIGURES IN THESE TABLES ARE BASED ON 2,000 LBS. PER SQUARE FOOT SOIL BEARING AGAINST THE UNDISTURBED TRENCH WALL AND ARE TO REPRESENT THE MINIMUM VERTICAL PROJECTED AREA OF THE THRUST BLOCK IN A PLANE PERPENDICULAR TO THE LINE BISECTING THE INCLUDED ANGLE OF THE FITTING.



ELECTRICAL ONE-LINE DIAGRAM
N.T.S.



ELECTRICAL RISER DIAGRAM
N.T.S.

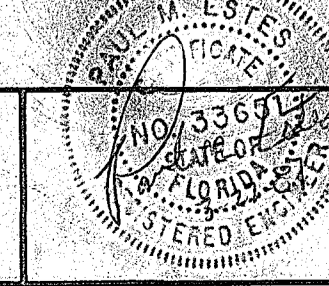
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REV. NO.	DATE	REVISION	BY	CHECKED	JWC
DESIGNED	LAP	SUBMITTED	DATE	APPROVED	
DRAWN	TDC				

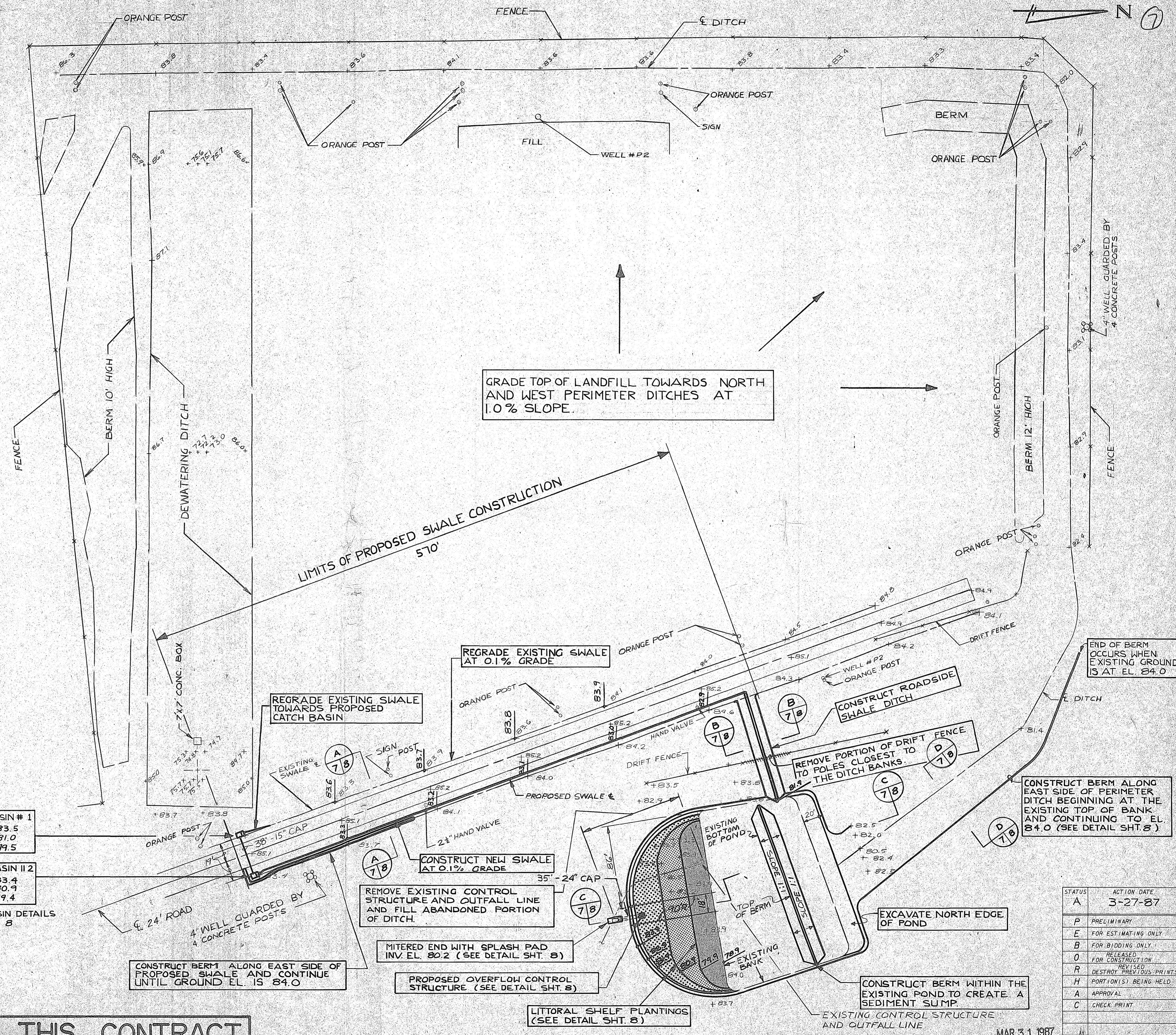


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HARDEE COUNTY SANITARY LANDFILL IMPROVEMENTS
ELECTRICAL & MISCELLANEOUS DETAILS
HARDEE COUNTY, FLORIDA

DATE: MARCH 1987	PROJ. NO. 86073-6
SCALE: NONE	FILE NO. 12368
SHEET NO. 6 OF 8	



LEGEND

- + EXISTING ELEVATION
- / PROPOSED ELEVATION
- MAIDENCANE
- PICKEREL WEED
- YELLOW POND LILY
- CAP CORRUGATED ALUMINUM PIPE

CATCH BASIN #1
 TOP EL. 83.5
 INV. EL. 81.0
 BOT. EL. 79.5

CATCH BASIN #2
 TOP EL. 83.4
 INV. EL. 80.9
 BOT. EL. 79.4

CATCH BASIN DETAILS
 SEE SHEET 8

GRADE TOP OF LANDFILL TOWARDS NORTH AND WEST PERIMETER DITCHES AT 1.0% SLOPE.

LIMITS OF PROPOSED SWALE CONSTRUCTION
 570'

STATUS	ACTION DATE
A	3-27-87
P	PRELIMINARY
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H	PORTION(S) BEING HELD
A	APPROVAL
C	CHECK PRINT
RD	RECORD DRAWING

NOT PART OF THIS CONTRACT

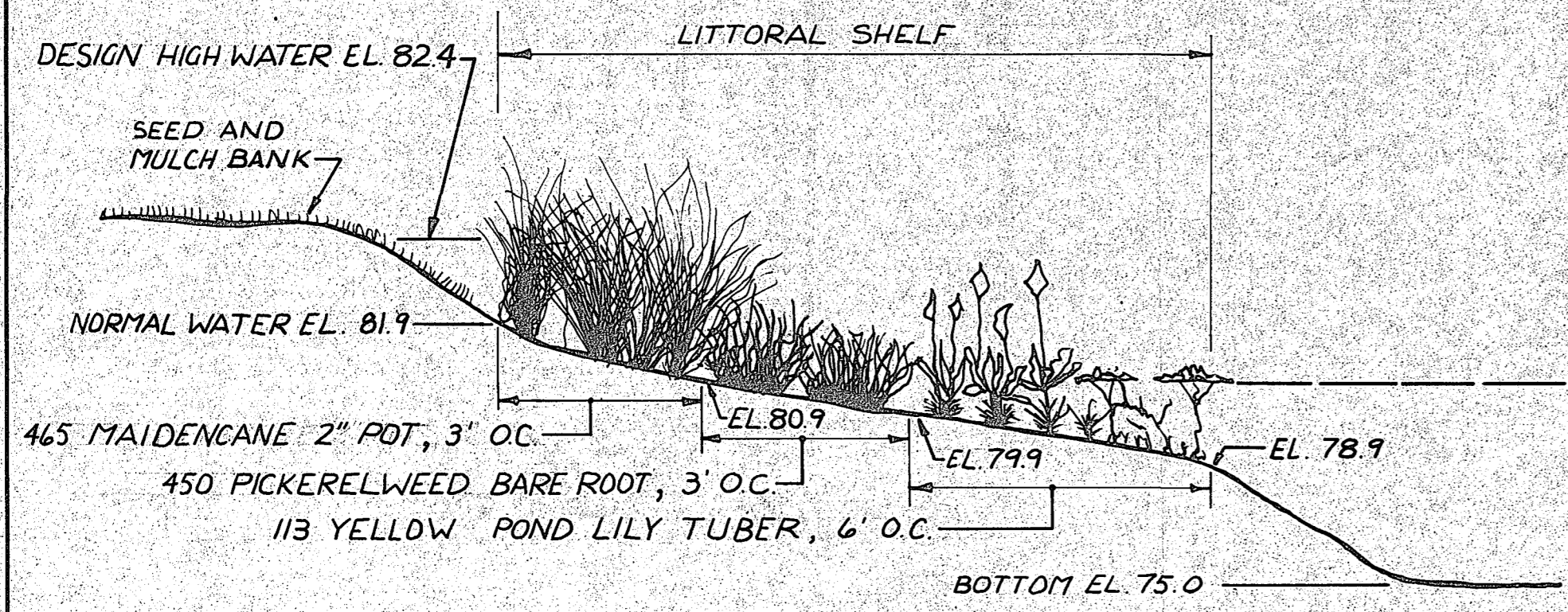
REV. NO.	DATE	REVISION	BY	CHECKED

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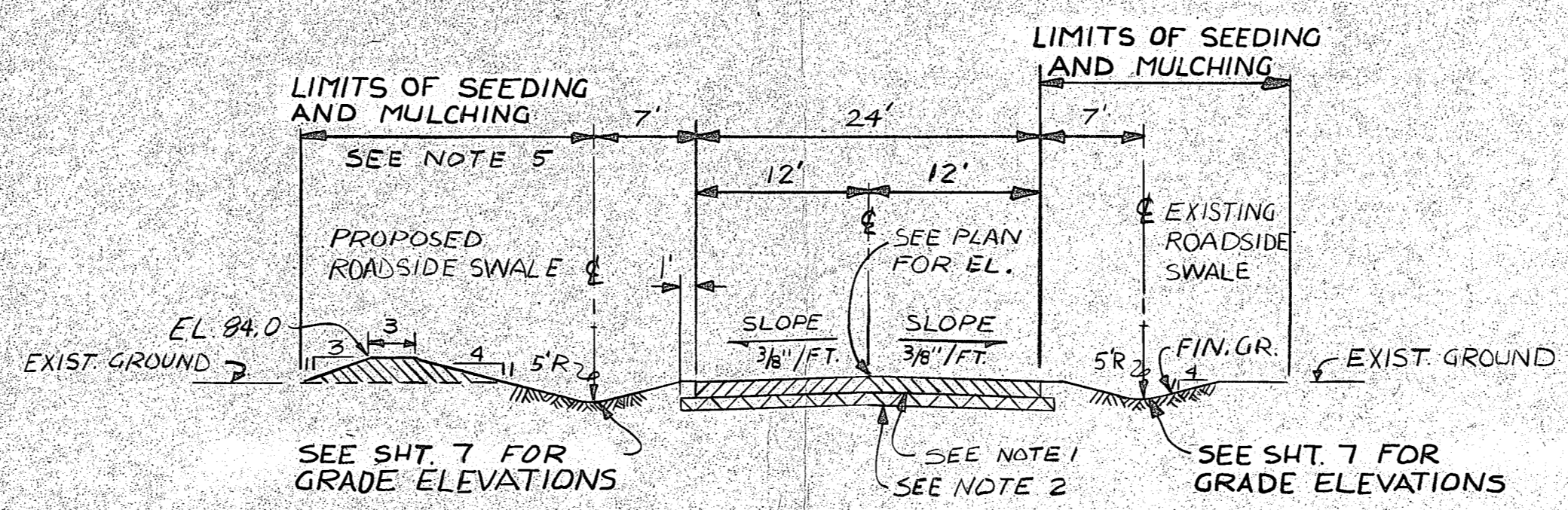
HARDEE COUNTY SANITARY LANDFILL IMPROVEMENTS
 STORMWATER MANAGEMENT PLAN
 HARDEE COUNTY, FLORIDA

MAR 31 1987

DATE: MARCH 1987	PROJ. NO. 86073-6
SCALE: 1"=50'	FILE NO.
SHEET NO. 7 OF 8	12369



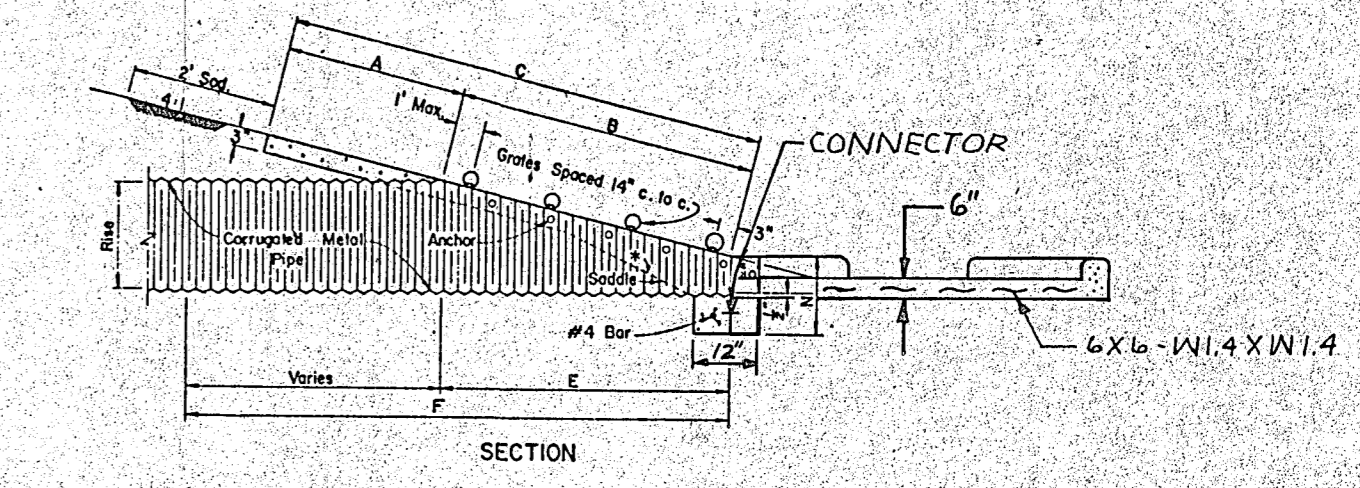
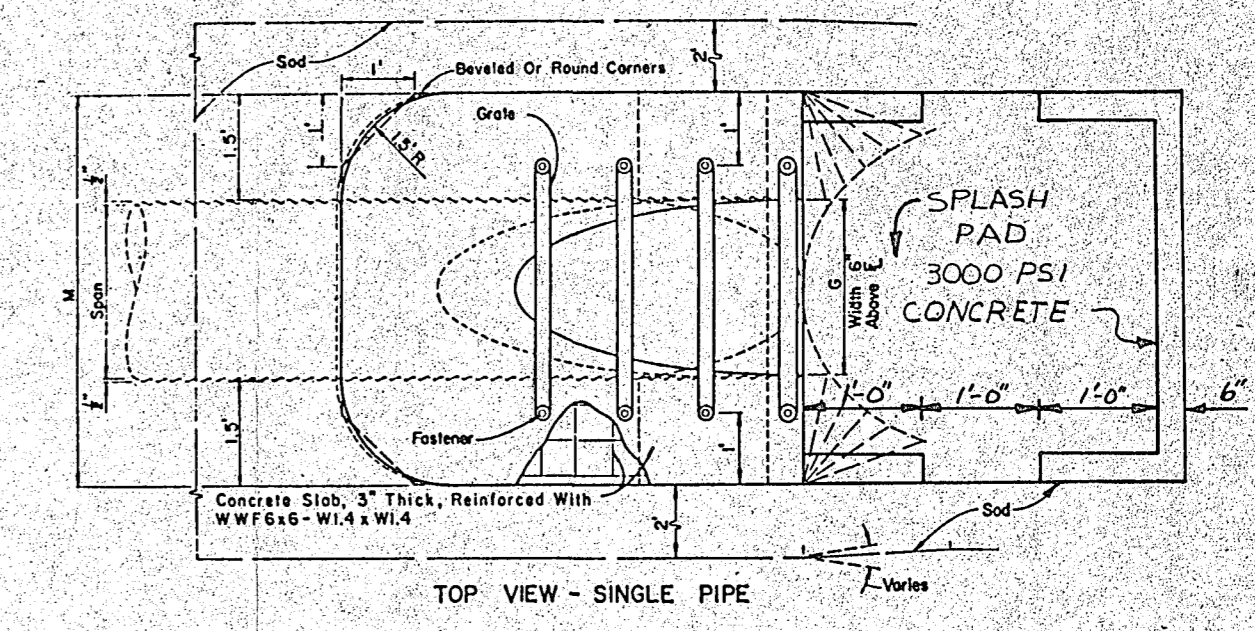
-CROSS SECTION-
LITTORAL SHELF PLANTINGS
N.T.S. (7/8)



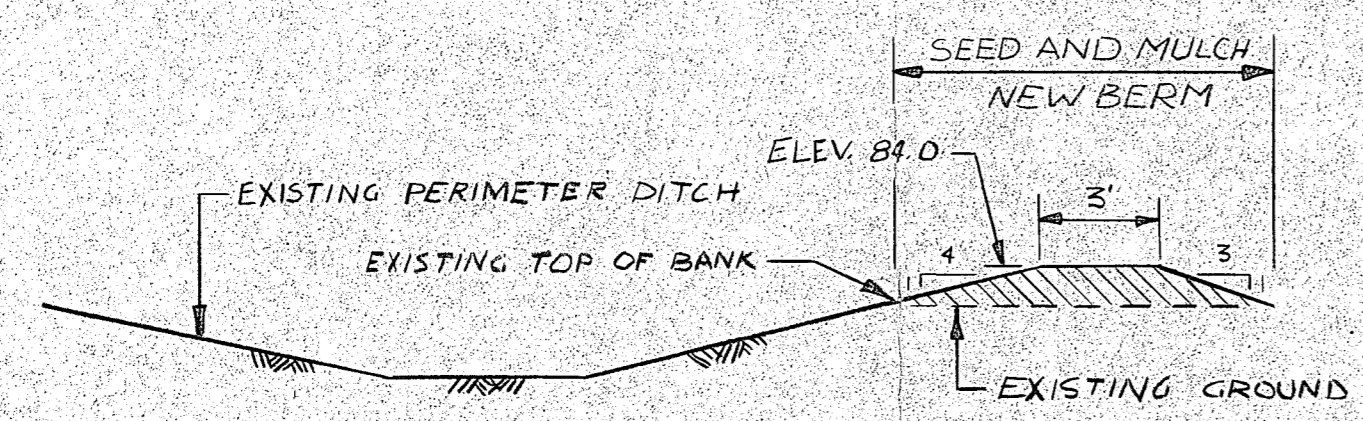
NOTE: ROADSIDE SWALES TO HAVE ROUNDED BOTTOMS AS SHOWN.
TYPICAL SERVICE ROAD SWALES AND ROAD REPLACEMENT
1"=10' (7/8)

- NOTES:
- 1) 8" SHELL ROCK OR LIME ROCK BASE (F.B.V. 100).
 - 2) 8" STABILIZED SUB-BASE (95% AASHTO T-180) W/F B.V. 60.
 - 3) ROADSIDE SWALES SHALL BE CONSTRUCTED OR REGRADED WHERE SHOWN ON OVERALL SITE PLAN.
 - 4) SLOPE AT 4:1 FROM SWALE CENTERLINE UP TO EXISTING GROUND AND CONSTRUCT BERM TO ELEV. 84.0 WHEN EXISTING GROUND IS LESS THAN ELEV. 84.0.
 - 5) SEED AND MULCH 5' BEYOND THE EDGE OF SWALE OR TO THE EDGE OF THE NEW BERM AS REQUIRED.

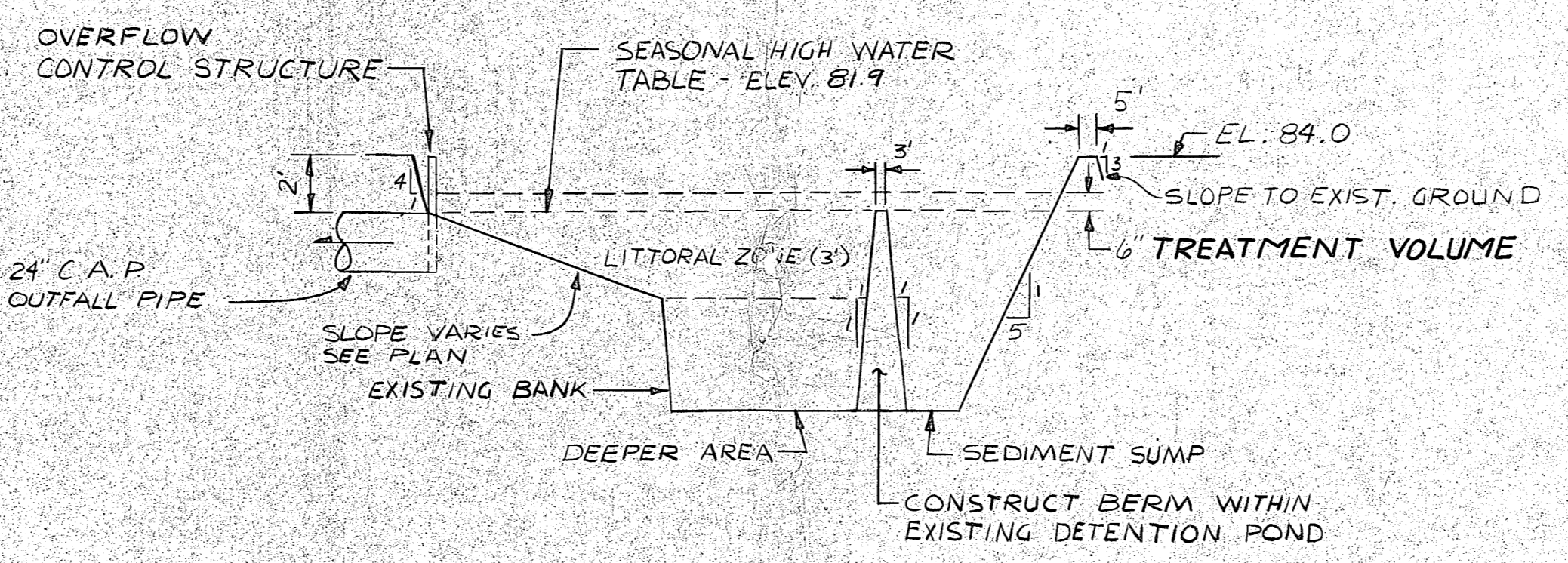
D	X	A	B	C	E	F	G	M	N
24'	3'-5"	2'-5"	6.18'	8.68'	6'0"	10.0'	1.73'	5.08'	1.04'



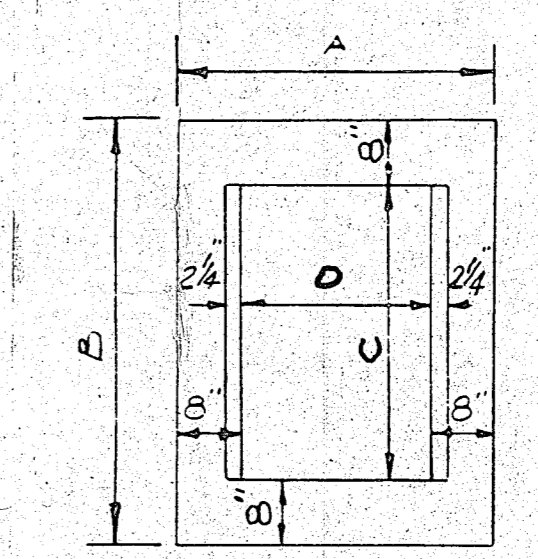
24" MITERED END SECTION W/ SPLASH PAD
N.T.S. (7/8)



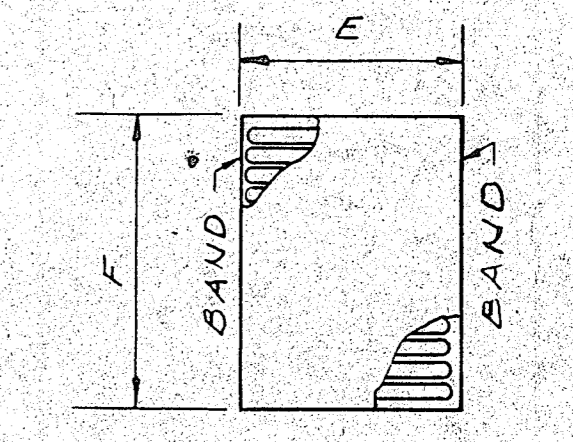
PERIMETER DITCH BERM
1"=5' (7/8)



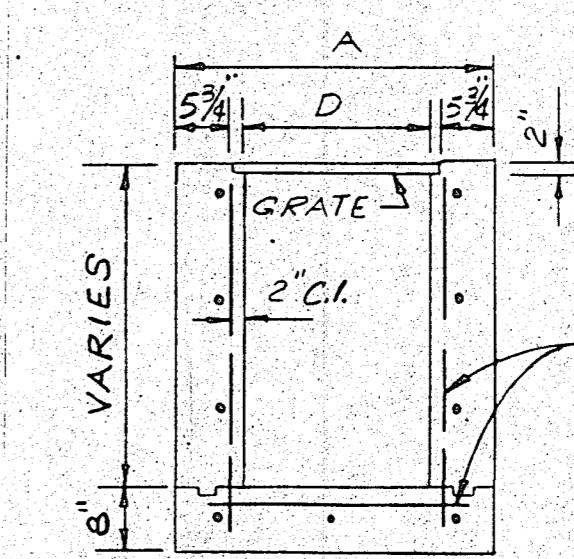
POND CROSS-SECTION
HORIZ. SC. 1"=50'
VERT. SC. 1"=5' (7/8)



PLAN
DITCH BOTTOM INLET
N.T.S.



CAST IRON GRATE

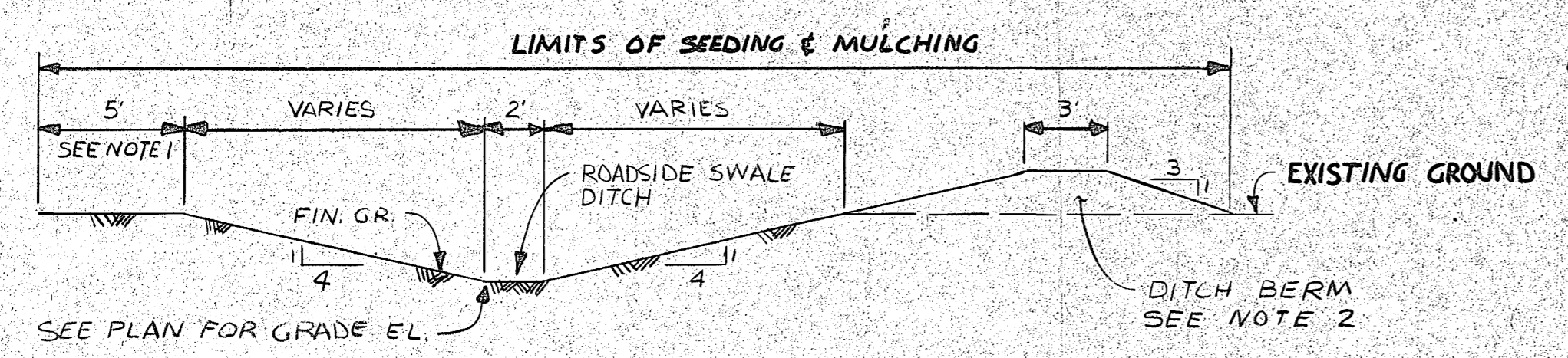


SECTION
N.T.S.

CATCH BASIN SCHEDULE

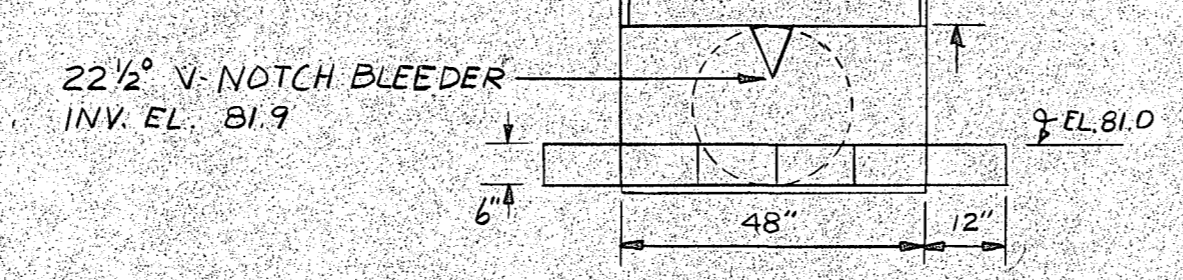
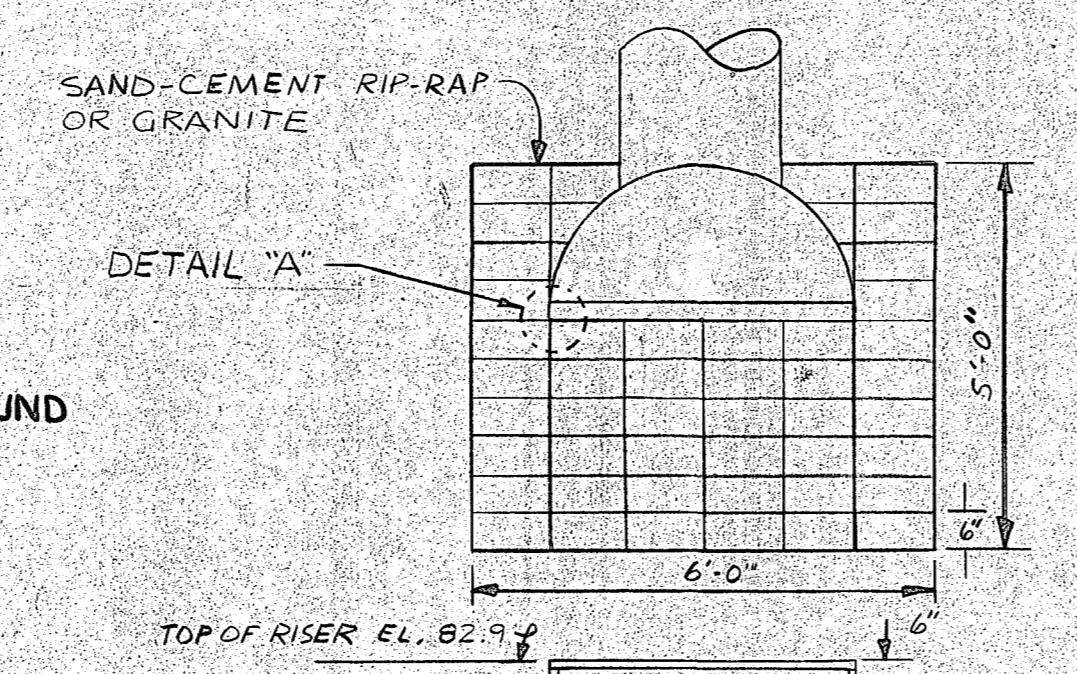
TYPE	A	B	C	D	E	F
C	3'-4"	4'-5"	3'-1"	2'-0"	2'-4"	3'-0"

CATCH BASIN DETAILS
N.T.S. (7/8)

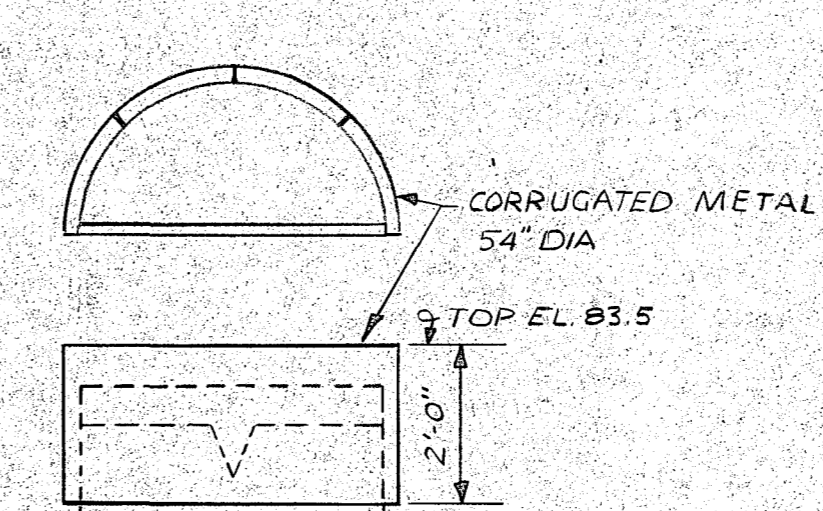


ROADSIDE SWALE DITCH
1"=5' (7/8)

- NOTES:
- 1) FOR EXISTING GROUND ELEVATION 84.0 OR GREATER; SLOPE AT 4:1 TO EXISTING GROUND. SEED AND MULCH TO 5' BEYOND TOP OF BANK.
 - 2) FOR EXISTING GROUND ELEVATION 84.0 OR LESS; SLOPE AT 4:1 TO ELEVATION 84.0 AND CONSTRUCT BERM. SEED AND MULCH TO EDGE OF BERM FARTHEST FROM TOP OF BANK.



OVERFLOW CONTROL STRUCTURE
N.T.S. (7/8)



TRASH SKIMMER

NOT PART OF THIS CONTRACT

MAR 31 1987

DESIGNED	MTD	SUBMITTED	7/19/87
DRAWN	TDC	APPROVED	STATE OF FLORIDA
CHECKED	JWC	COPYRIGHT	RESERVED

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HARDEE COUNTY SANITARY LANDFILL IMPROVEMENTS
STORMWATER MANAGEMENT PLAN DETAILS
HARDEE COUNTY, FLORIDA

DATE	MARCH 1987	PROJ. NO.	86073-6
SCALE	AS SHOWN	FILE NO.	12370
SHEET NO.	8 OF 8		

STATUS	ACTION DATE
A	3-27-87
P	PRELIMINARY
E	FOR ESTIMATING ONLY
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