D. E. R.
AUG - 2 1993
SOUTHWEST DISTRICT
TAMPA

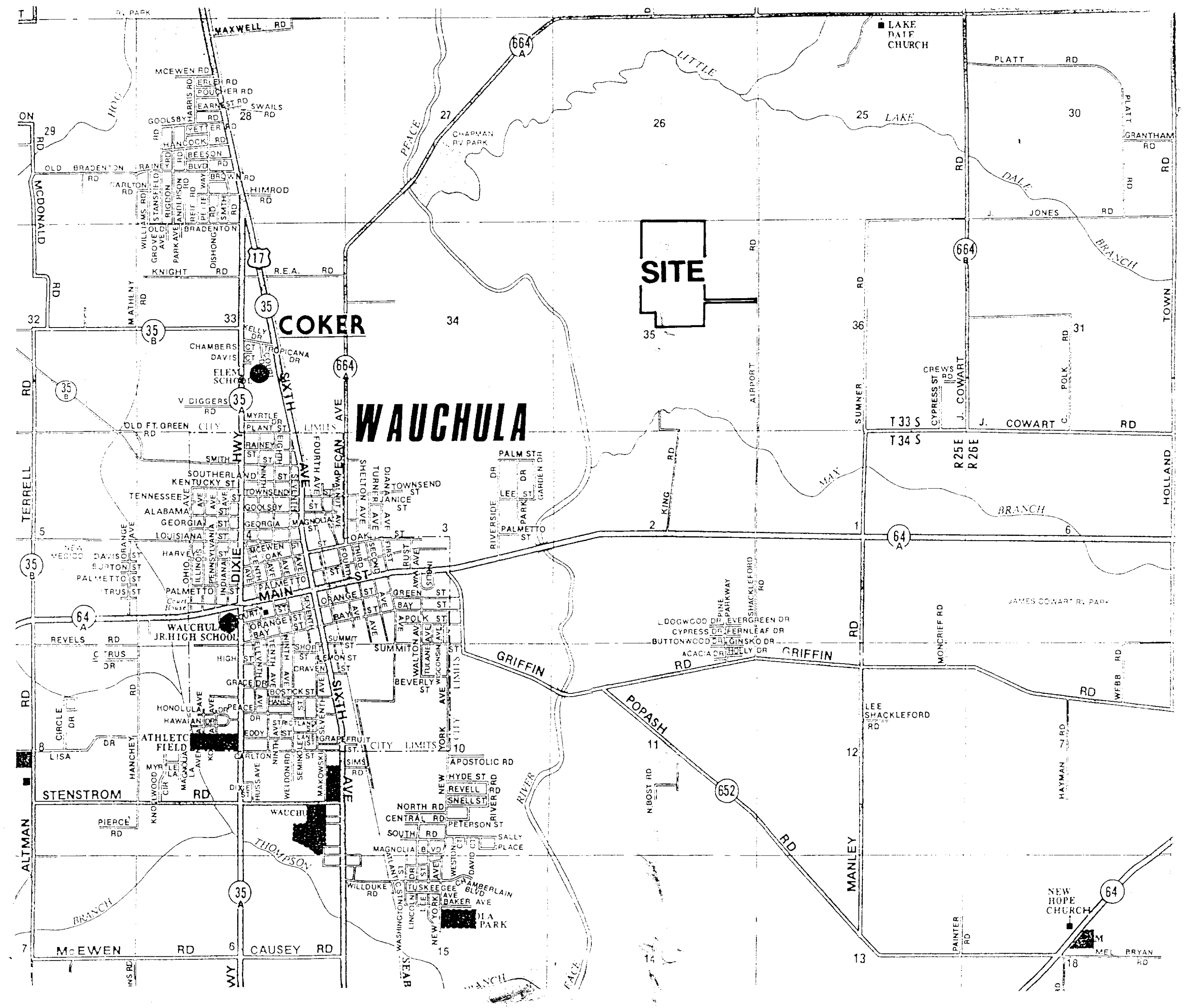
HARDEE COUNTY, FLORIDA

REGIONAL COUNTY LANDFILL

PREPARED FOR

HARDEE COUNTY DEPARTMENT OF SOLID WASTE AND RECYCLING CENTER

P. O. BOX 246
WAUCHULA, FLORIDA 33873
(813) ● 773 ● 5089



VICINITY MAP

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COVER	1
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LEGAL DESCRIPTION

Begin at the Southeast corner of the NE¼ of Section 35, Township 33 South, Range 25 East, and go West 660 feet to the Point of Beginning, thence run North 2,640 feet, thence West 1,650 feet, thence South 2,310 feet, thence East 330 feet, thence South 330 feet, thence East 1,320 feet to the Point of Beginning;

Together with a non-exclusive easement over, along and across the real property located in Hardee County, Florida, described as follows:

Begin at the Southeast corner of the NE¼ of Section 35, Township 33 South, Range 25 East, and go West 660 feet, thence North 455 feet to a Point of Beginning, being a tract of land 30 feet right and 30 feet left of the following described line: From a point of beginning proceed East approximately 660 feet to the centerline of Airport Road.

PREPARED BY

WADE TRIM

4919 MEMORIAL HIGHWAY
SUITE 200
TAMPA. FLORIDA 33534
813 ● 882 ● 8366

4025C30001 W

STEVEN A. DUTCH P.E.
FLORIDA ENGINEER'S REG'N. NO. 39118

DATE

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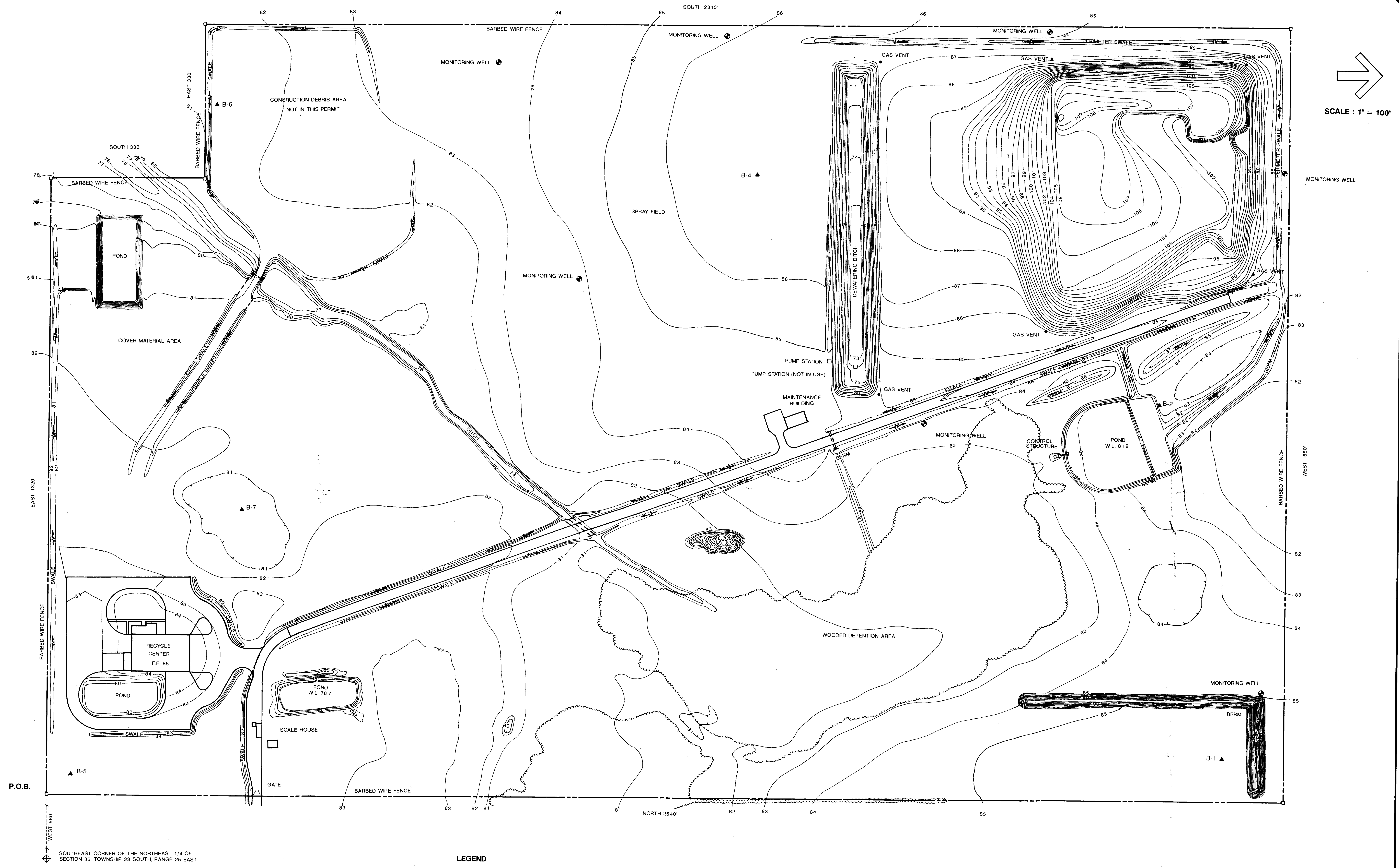

SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF SECTION 35, TOWNSHIP 33 SOUTH, RANGE 25 EAST

LEGEND

- ⊗ MONITORING WELL
- ▲ SOIL BORING
- ● GAS VENT

HARDEE COUNTY, FLORIDA

REGIONAL COUNTY LANDFILL

EXISTING SITE PLAN

DESIGNED BY: db
DRAWN BY: db
CHECKED BY: S.A.D.

STEVEN A. D[illegible]
FLA. ENGINEERS REG. No.
DATE:

No. 39118

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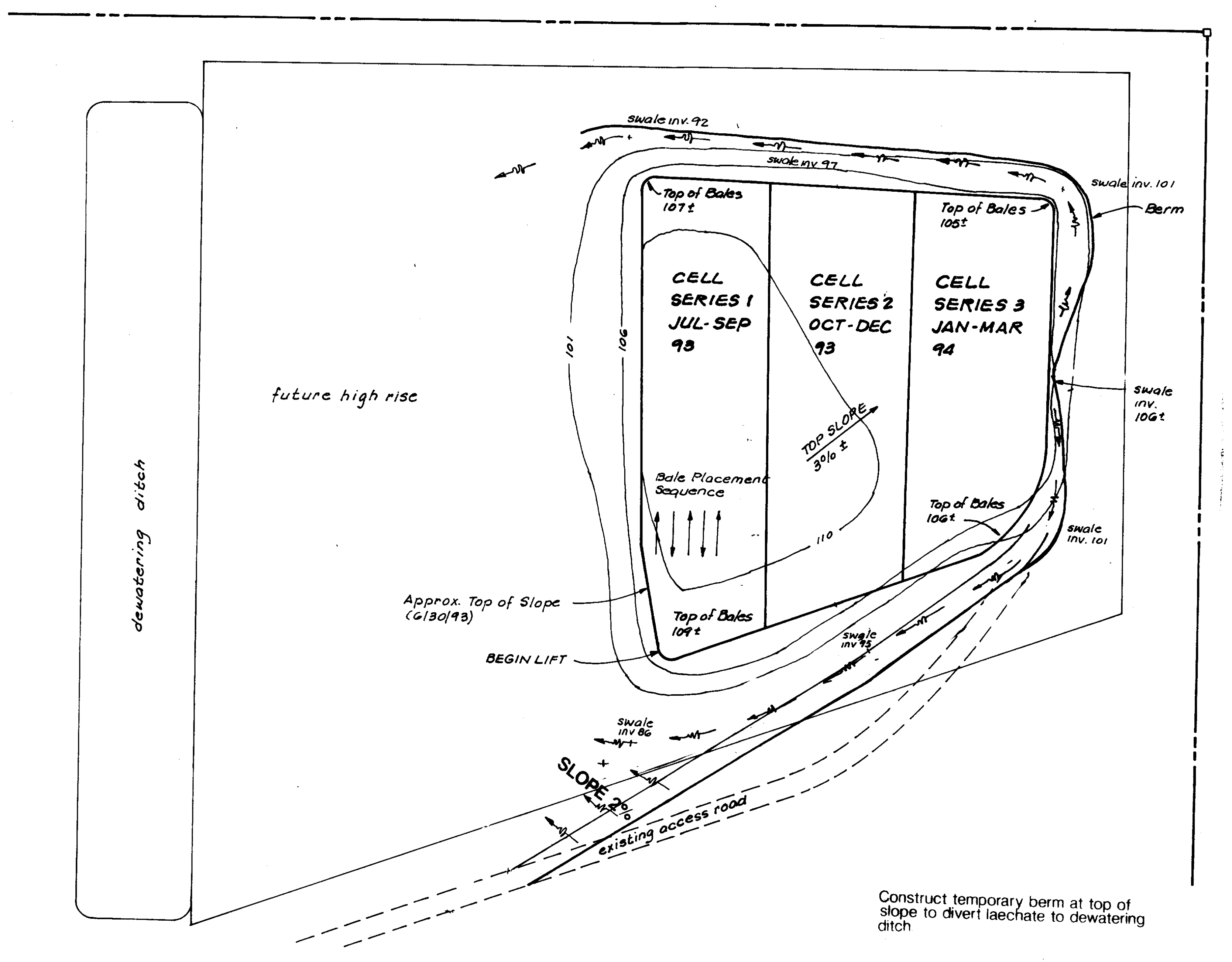


Construct temporary berm at top of slope to divert laechate to dewatering ditch

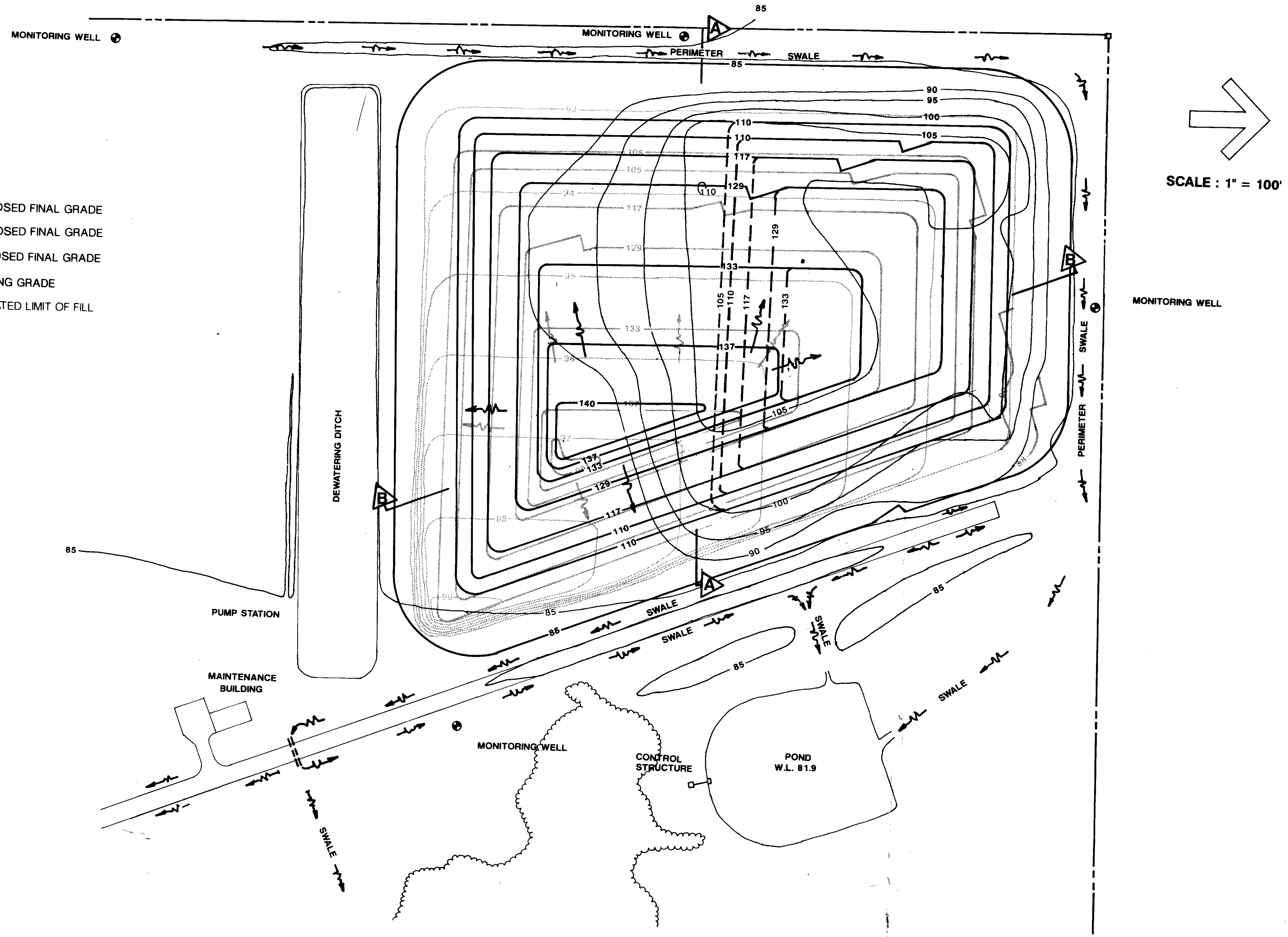
Sequence is repeated at the Southwest corner of area

Road to slope 2% to provide sheet flow to dewatering ditch.

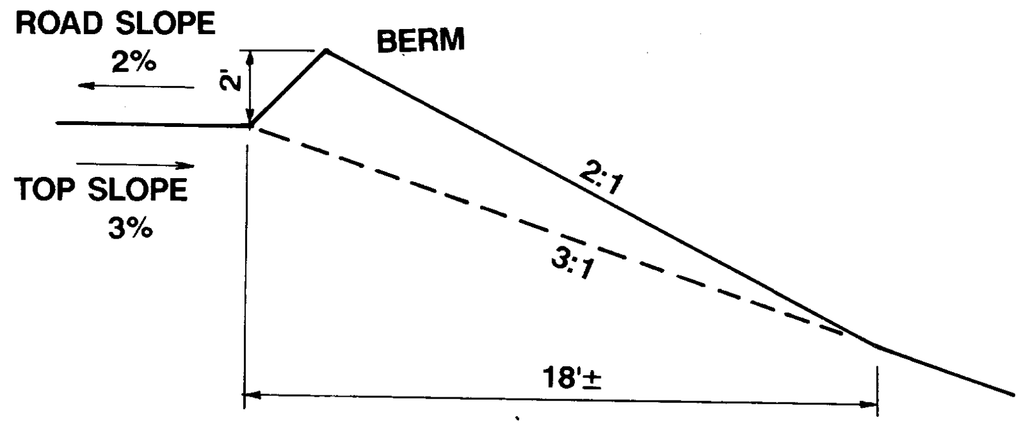
SEQUENCE OF FILL

LEGEND

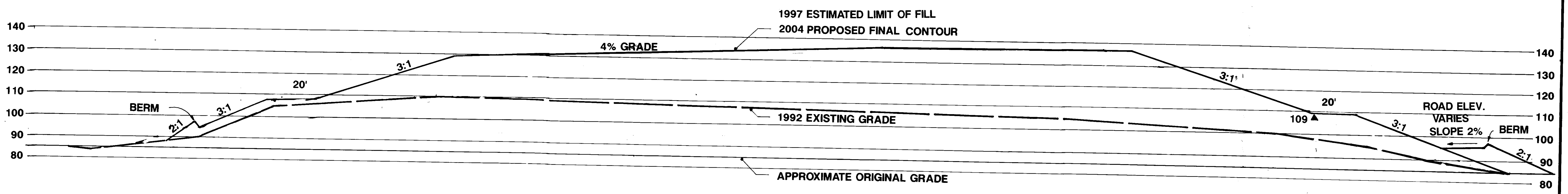
- 90 — 1982 PROPOSED FINAL GRADE
- 90 — 1987 PROPOSED FINAL GRADE
- — 90 — 2004 PROPOSED FINAL GRADE
- — 90 — 1992 EXISTING GRADE
- – –105– – 1997 ESTIMATED LIMIT OF FILL



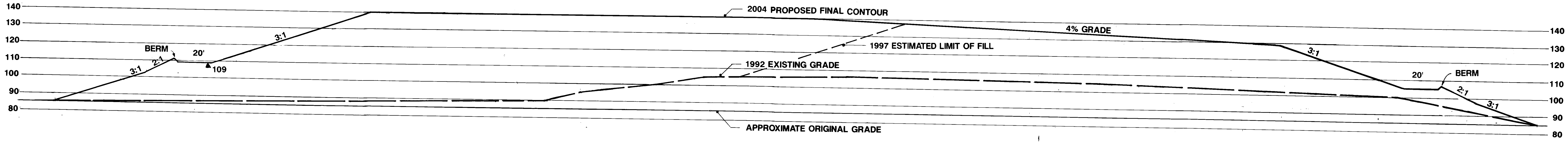
2004 PROPOSED FINAL GRADE PLAN



TYPICAL BERM DETAIL



SECTION A-A


140
130
120
110
100
90
80
2004 PROPOSED FINAL CONTOUR
3:1
BERM
20'
2:1
3:1
109
4% GRADE
1997 ESTIMATED LIMIT OF FILL
1992 EXISTING GRADE
3:1
20'
BERM
2:1
3:1
APPROXIMATE ORIGINAL GRADE

SECTION B-B

SCALE : HORIZ. 1" = 30'
VERT. 1" = 30'

HARDEE COUNTY, FLORIDA
REGIONAL COUNTY LANDFILL

SEQUENCE OF FILL

HARDEE COUNTY 1921 FLORIDA

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DATE: [illegible]/21/93

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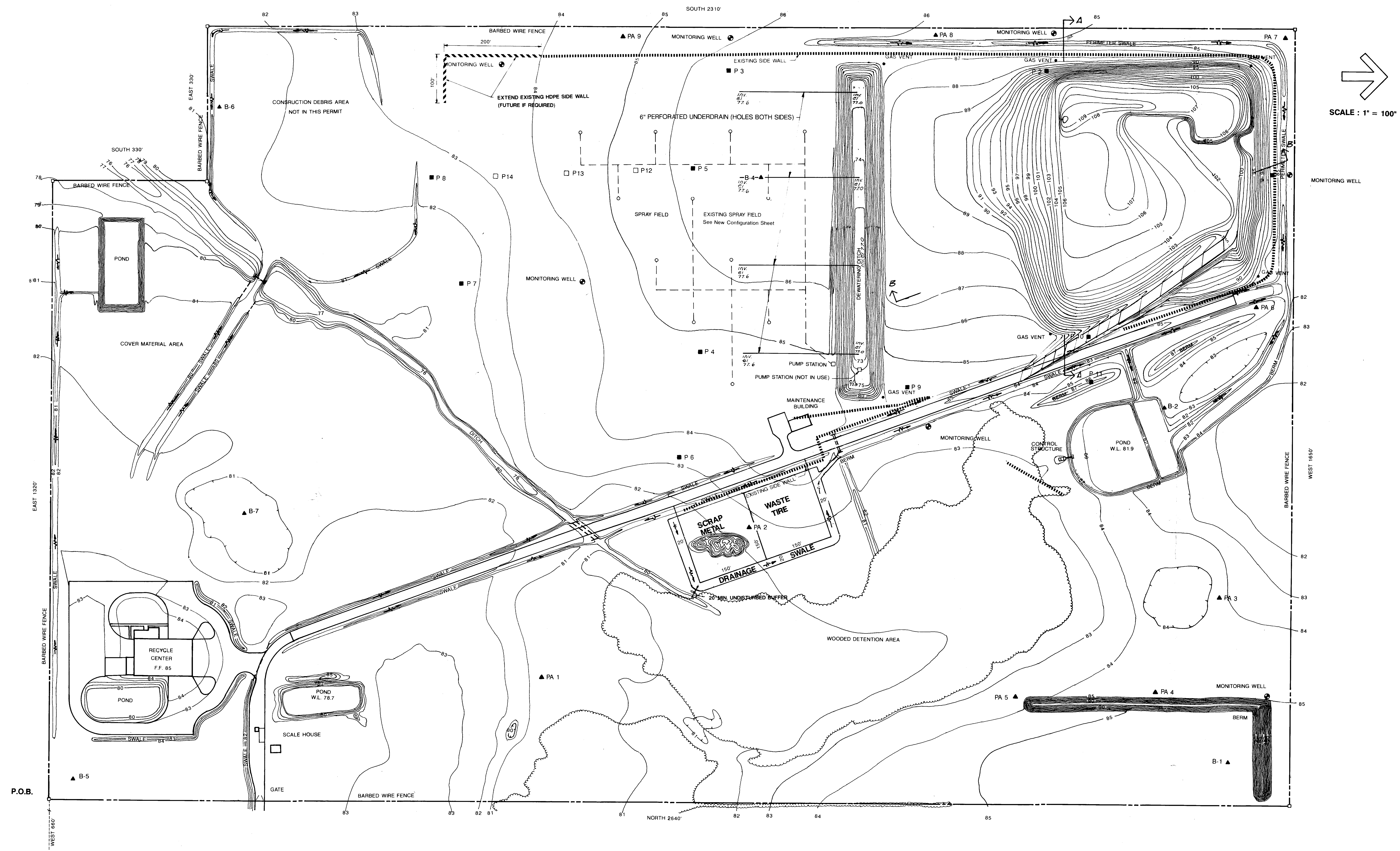

SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF SECTION 35, TOWNSHIP 33 SOUTH, RANGE 25 EAST

LEGEND

●	MONITORING WELL
▲	SOIL BORING
•	GAS VENT
▪▪▪▪	EXISTING SIDE WALL
◣◣	PROPOSED SIDE WALL
■	PIEZOMETER LOCATION
□	PROPOSED PIEZOMETER

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HARDEE COUNTY, FLORIDA

REGIONAL COUNTY LANDFILL

IMPROVEMENT SITE PLAN

DESIGNED BY: db
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DATE 8/2/93

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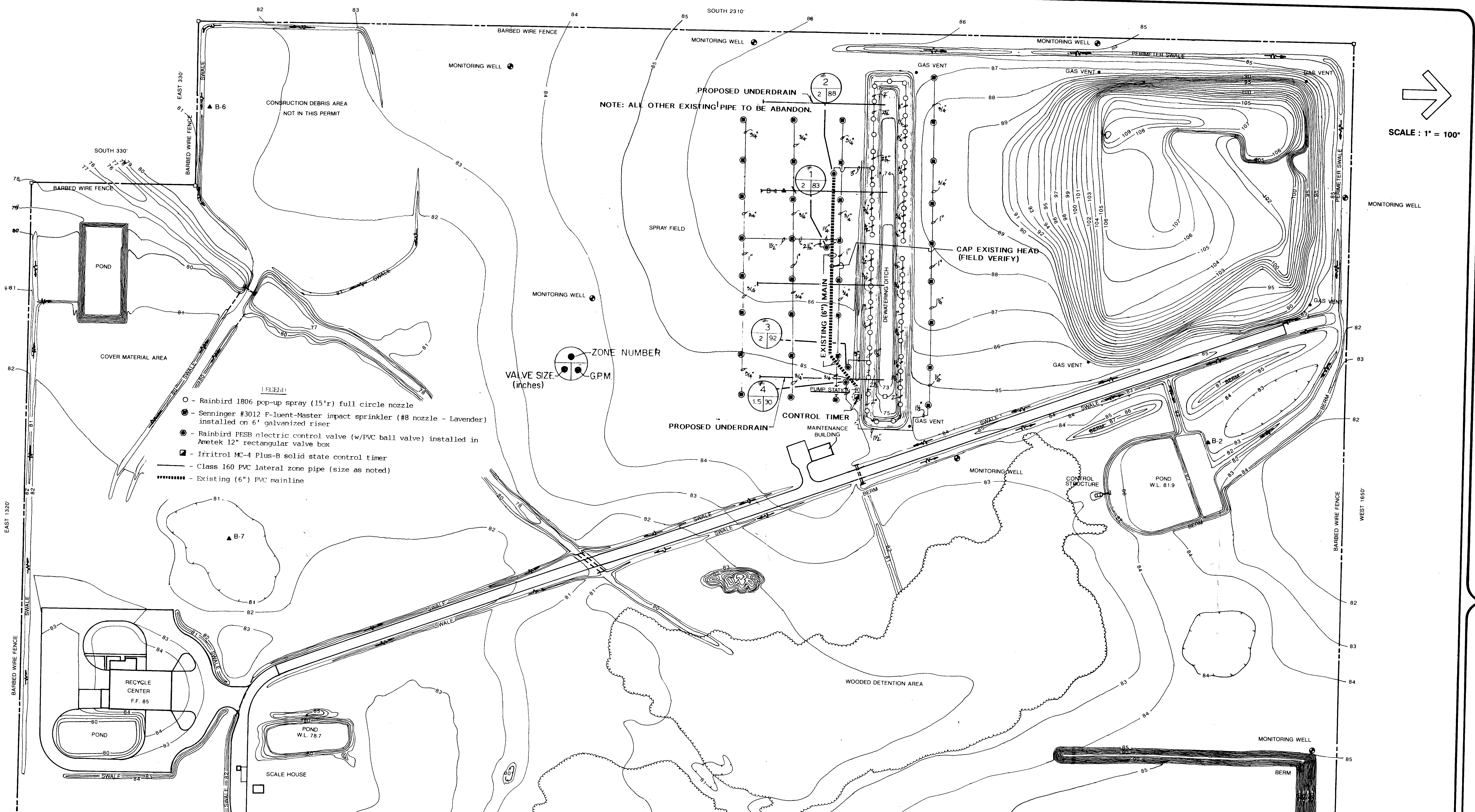

PROPOSED UNDERDRAIN

NOTE: ALL OTHER EXISTING PIPE TO BE ABANDON.

CAP EXISTING HEAD (FIELD VERIFY)

PROPOSED UNDERDRAIN

SCALE : 1" = 100"

LEGEND

- ○ - Rainbird 1806 pop-up spray (15'r) full circle nozzle
- ● - Senninger #3012 F-luent-Master impact sprinkler (#8 nozzle - Lavender) installed on 6' galvanized riser
- ● - Rainbird PESB electric control valve (w/PVC ball valve) installed in Ametek 12" rectangular valve box
- ◩ - Irritrol MC-4 Plus-B solid state control timer
- ——— - Class 160 PVC lateral zone pipe (size as noted)
- ▪▪▪▪▪▪▪▪ - Existing (6") PVC mainline

SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF
SECTION 35, TOWNSHIP 33 SOUTH, RANGE 25 EAST

VALVE SCHEDULE

```
ZONE #1 - 83.28 GPM x 280 minutes watering time = 23,318 gallons per day
  "  #2 - 88.00 GPM x  45 minutes watering time =  3,960 gallons per day
  "  #3 - 92.00 GPM x  45 minutes watering time =  4,140 gallons per day
  "  #4 - 30.60 GPM x 110 minutes watering time =  3,366 gallons per day
                      480 minutes (8 hours)         34,784 gallons per day
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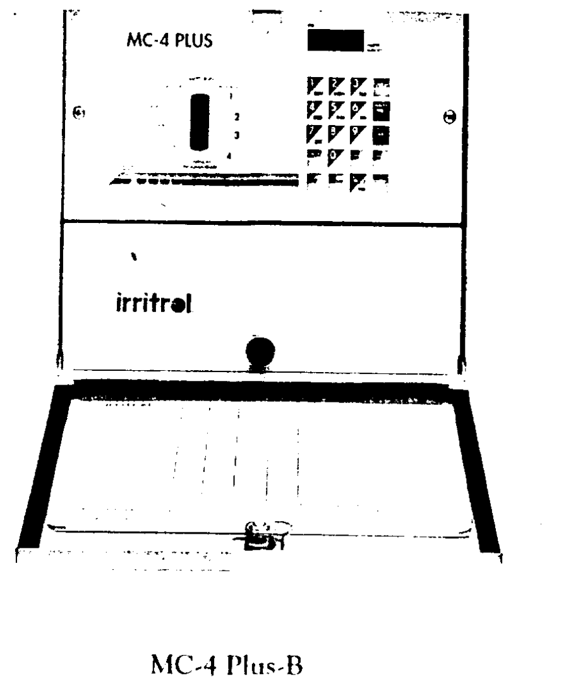
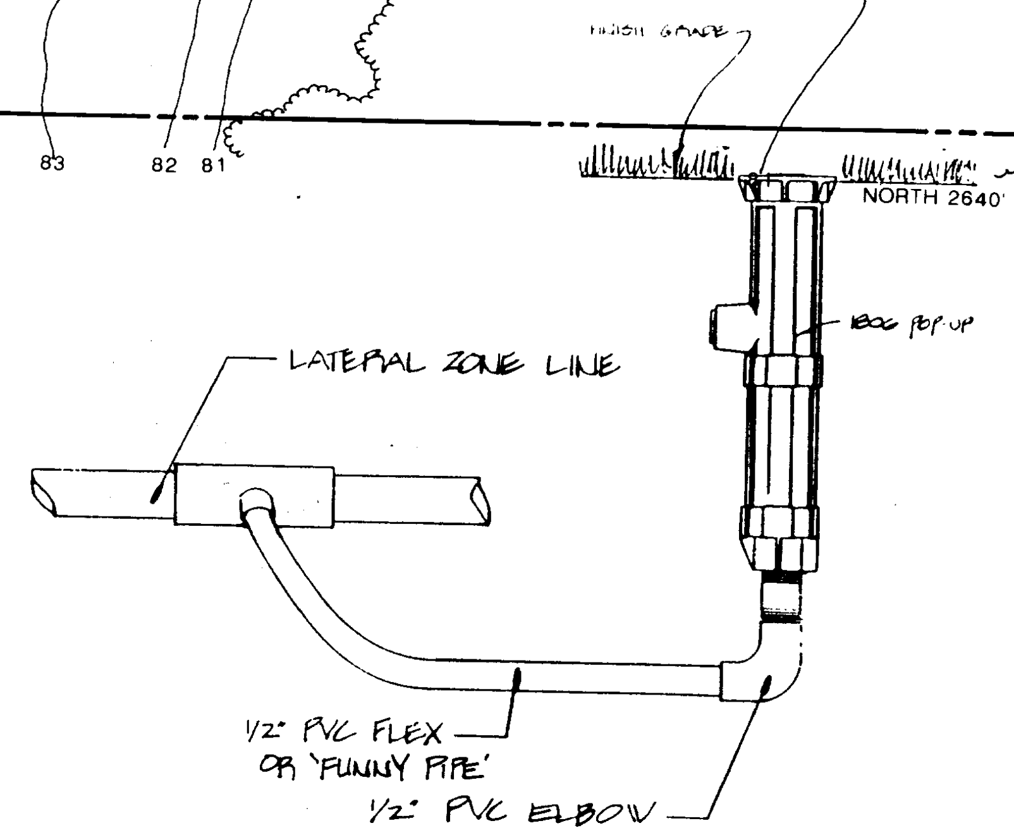
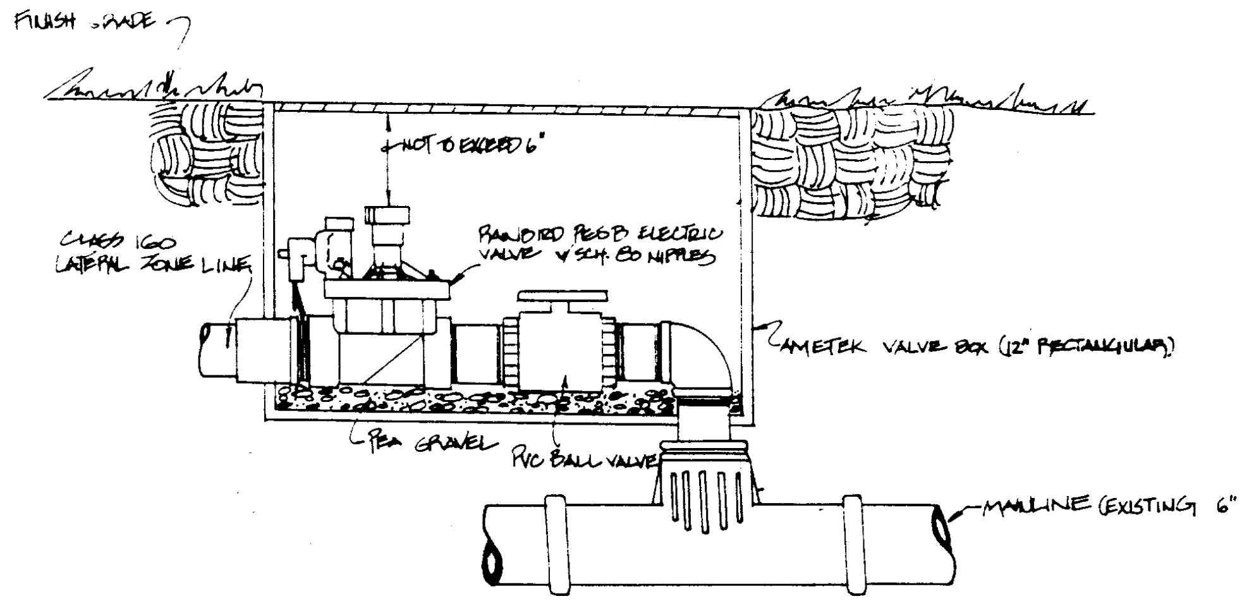


MC-4 Plus-B

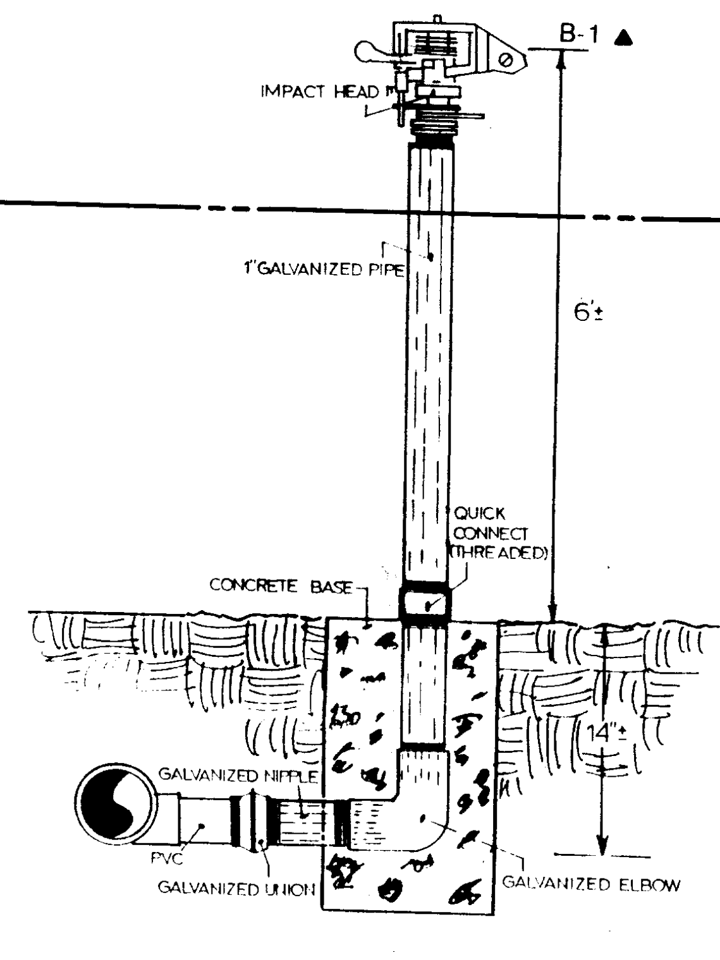
IRRITROL SOLID STATE CONTROLLER



RAINBIRD 6" POP-UP SPRAY


FINISH GRADE
NOT TO EXCEED 6"
CLASS 160 LATERAL ZONE LINE
RAINBIRD PESB ELECTRIC VALVE W/SCH. 80 NIPPLES
AMETEK VALVE BOX (12" RECTANGULAR)
PEA GRAVEL
PVC BALL VALVE
MAINLINE (EXISTING 6")

RAINBIRD PESB ELECTRIC VALVE



RISER MOUNT ASSEMBLY

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HARDEE COUNTY, FLORIDA
REGIONAL COUNTY LANDFILL

IRRIGATION PLAN

DESIGNED BY: db
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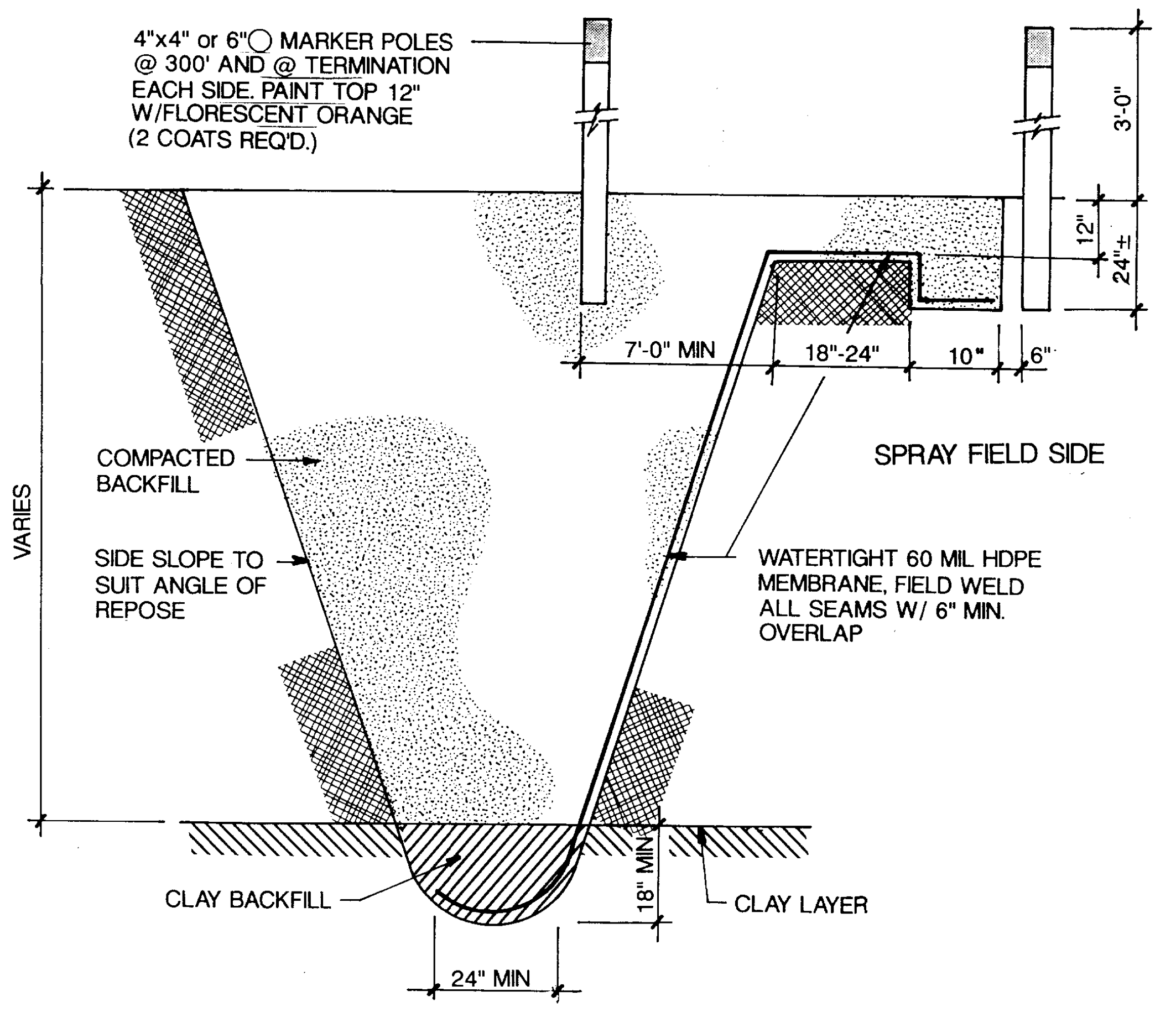
4"x4" or 6"○ MARKER POLES @ 300' AND @ TERMINATION EACH SIDE. PAINT TOP 12" W/FLORESCENT ORANGE (2 COATS REQ'D.)
3'-0"
12"
24"±
7'-0" MIN
18"-24"
10"
6"
SPRAY FIELD SIDE
COMPACTED BACKFILL
VARIES
SIDE SLOPE TO SUIT ANGLE OF REPOSE
WATERTIGHT 60 MIL HDPE MEMBRANE, FIELD WELD ALL SEAMS W/ 6" MIN. OVERLAP
CLAY BACKFILL
18" MIN
CLAY LAYER
24" MIN

SIDEWALL EXTENTION DETAIL

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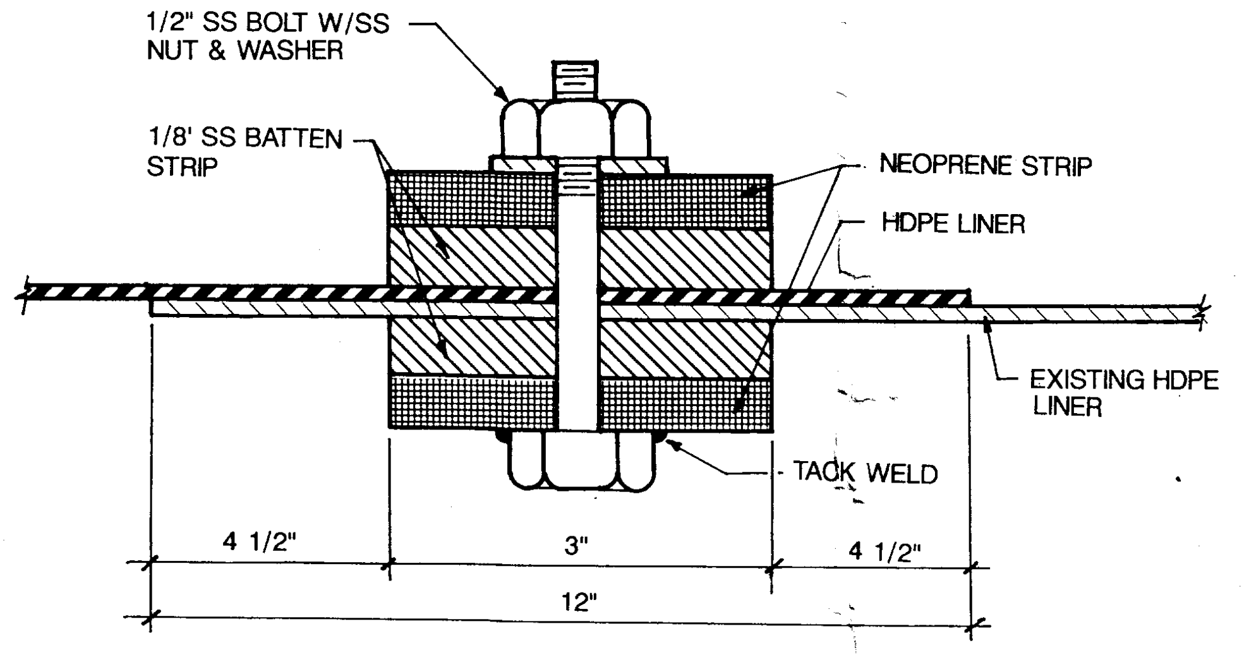

NOTE

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

CONNECTION TO SIDEWALL DETAIL

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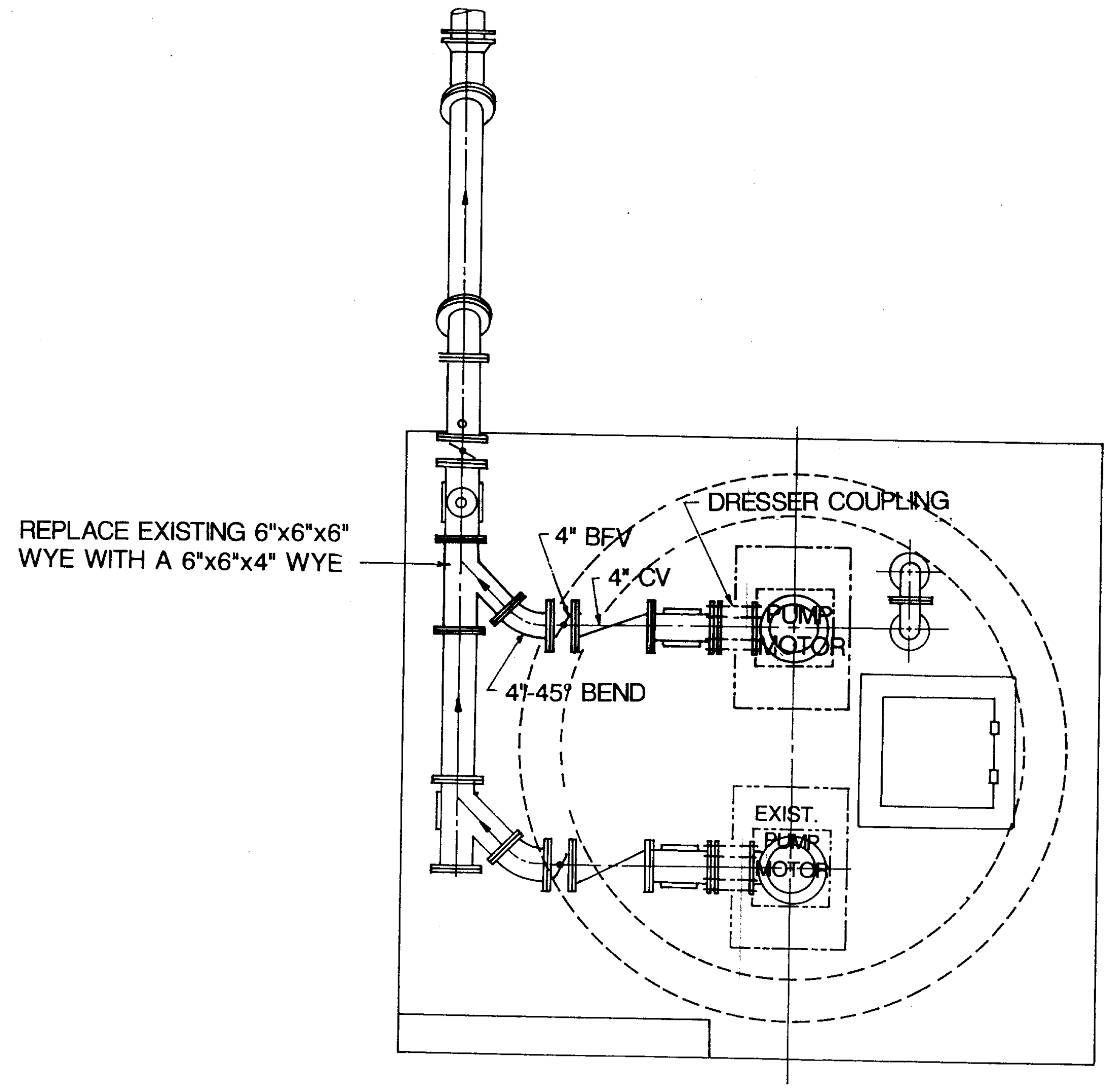

- PROVIDE ONE (1) 5 H.P. VERTICAL TURBINE SINGLE BOWL PUMP WITH A CAPACITY OF 75 GPM AND A DISCHARGE HEAD OF 164 FEET.
- COLUMN SHALL EXTEND TO THE SAME ELEVATION AS THE EXISTING PUMP.
- PROVIDE INLET SCREEN.

EXISTING IRRIGATION PUMP STATION MODIFICATION

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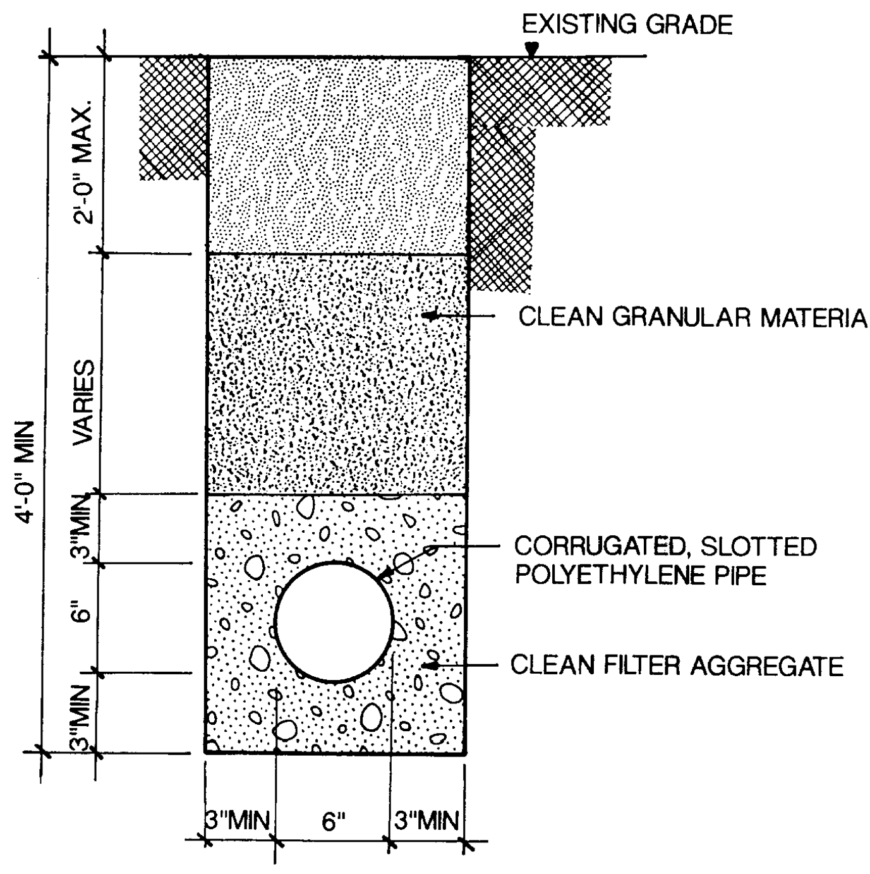
FILTER AGGREGATE

U. S. SIEVE	% PASSING
3"	MAX SIZE
3/8"	80-100
NO. 4	60-90
NO. 10	30-70
NO.20	0-40
NO.40	0-15



SPRAY COLLECTION SEWER TRENCH DETAIL

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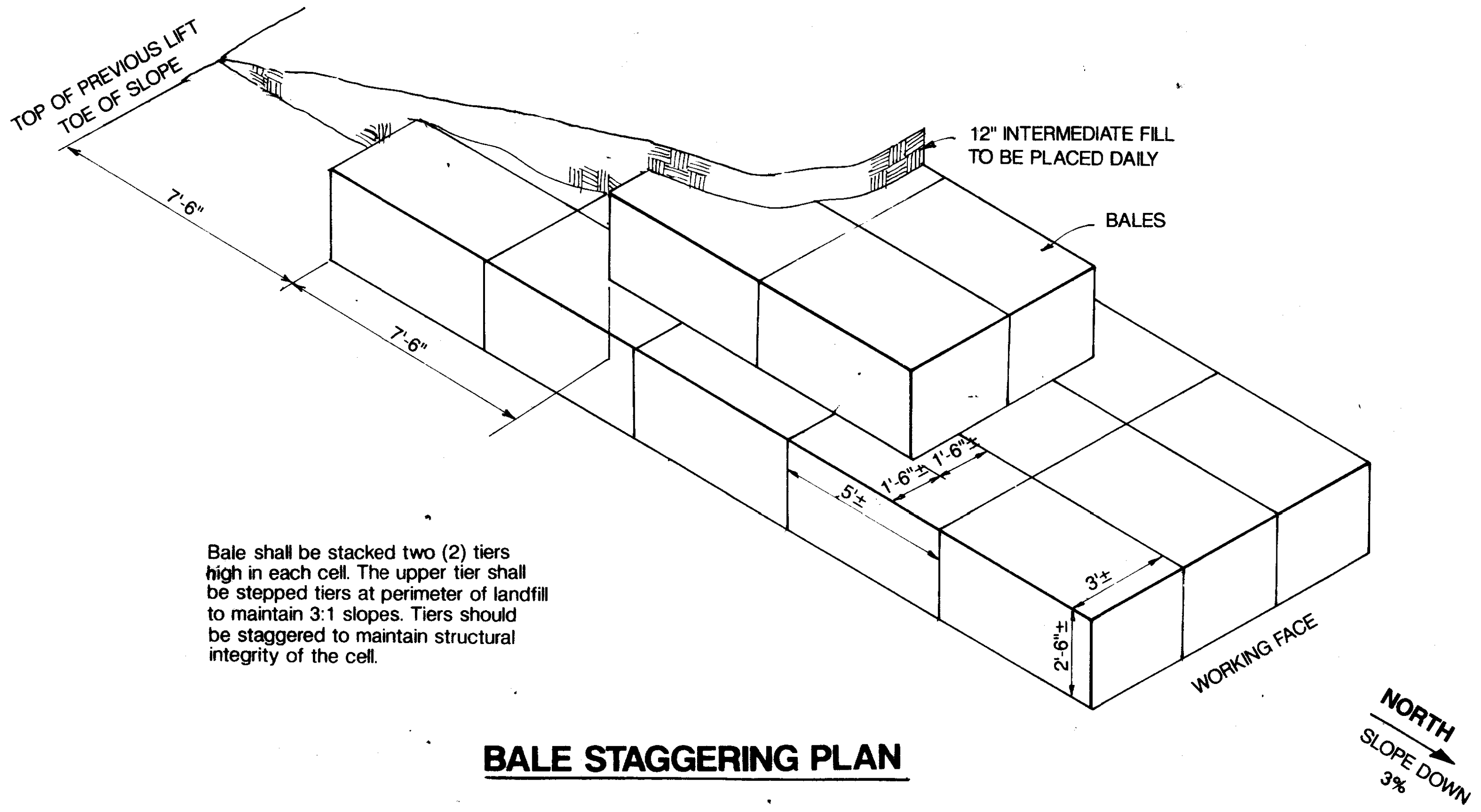
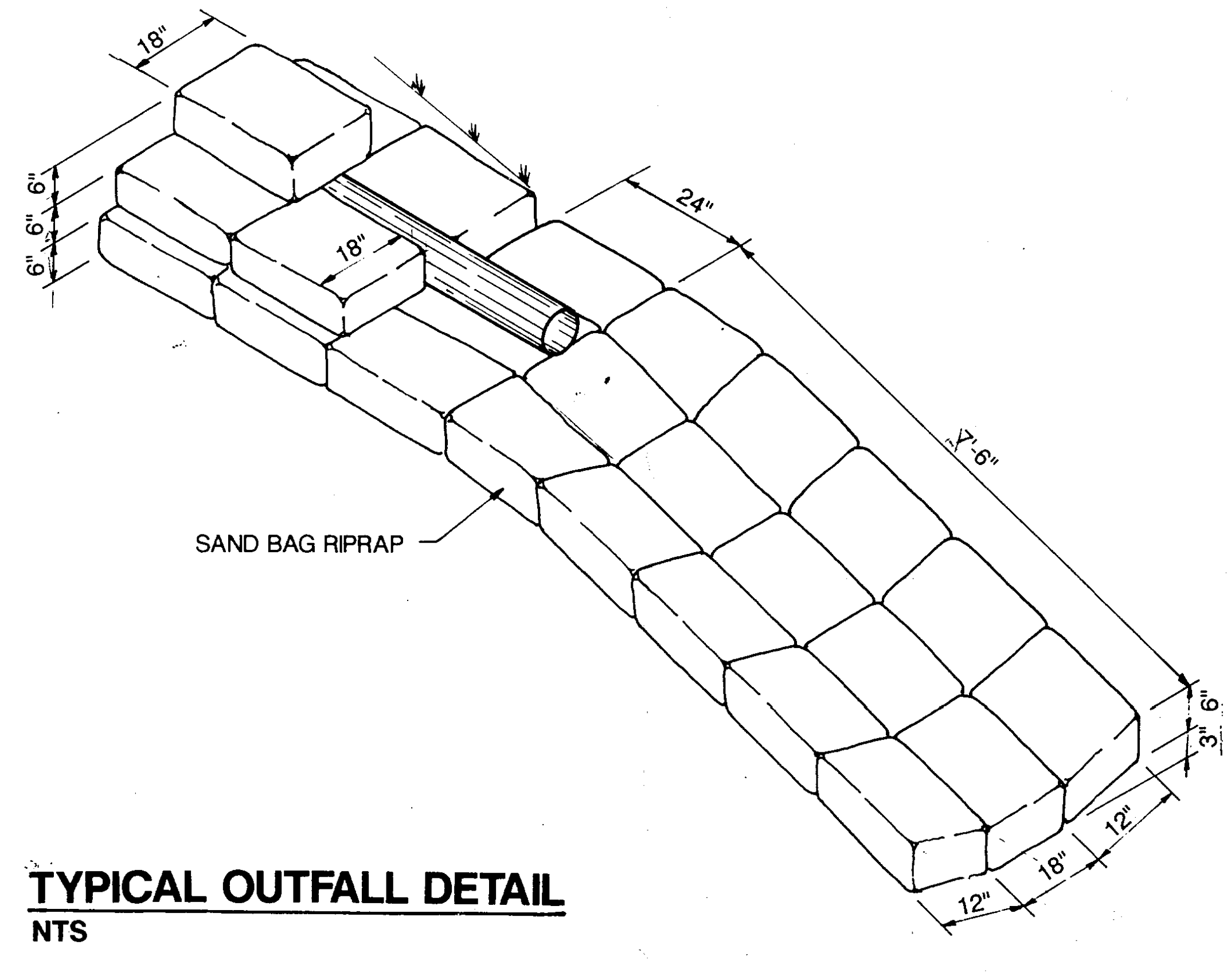


Bale shall be stacked two (2) tiers high in each cell. The upper tier shall be stepped tiers at perimeter of landfill to maintain 3:1 slopes. Tiers should be staggered to maintain structural integrity of the cell.

BALE STAGGERING PLAN



TYPICAL OUTFALL DETAIL

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HARDEE COUNTY, FLORIDA
REGIONAL COUNTY LANDFILL

DETAILS

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