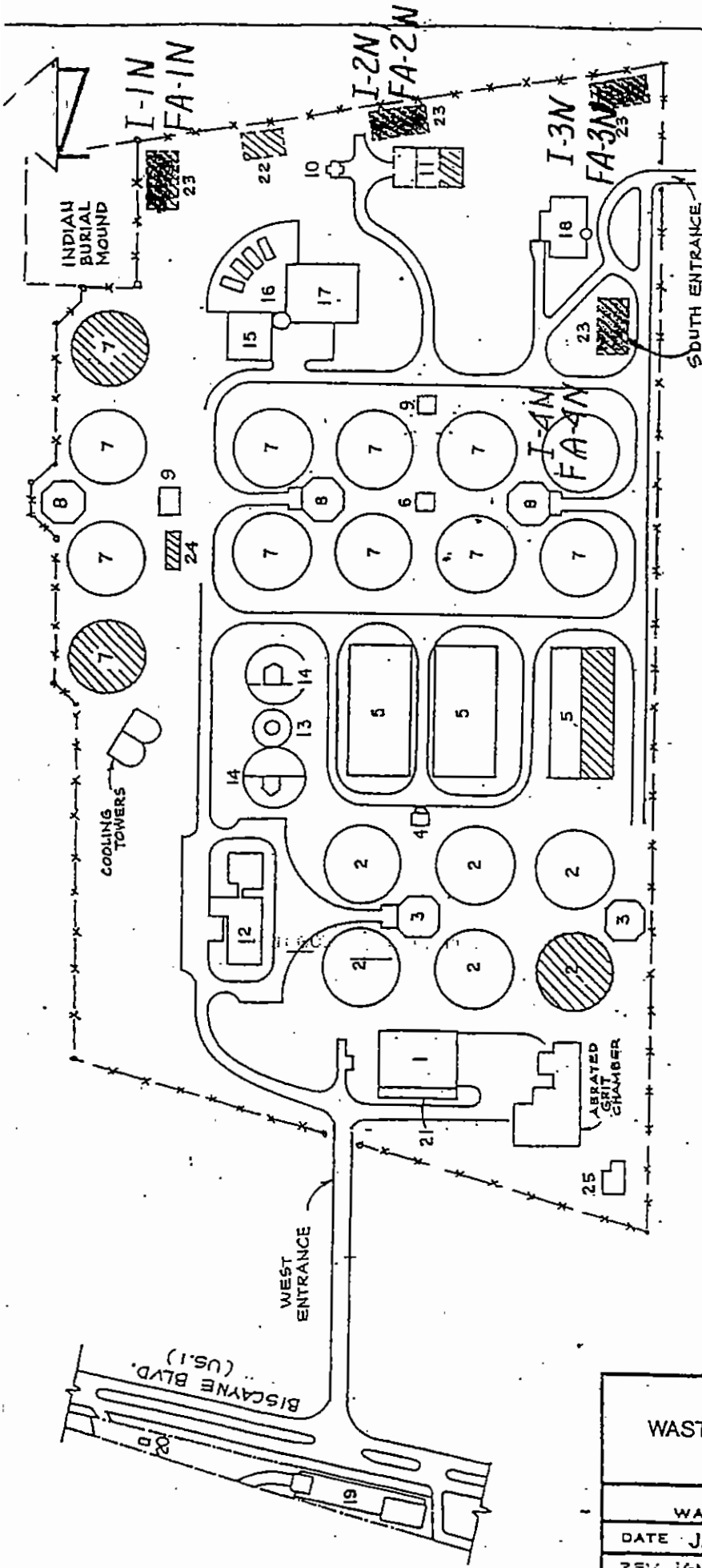


Miami-Dade North District
Class I Injection Facility No. 14



BUILDING LEGEND

- 1. PRETREATMENT AND SLUDGE TRANSFER BUILDING
- 2. PRIMARY SETTLING TANK
- 3. PRIMARY SLUDGE PUMPING STATION
- 4. OXYGENATION TANKS INFLUENT CONTROL BUILDING
- 5. OXYGENATION TANKS
- 6. SECONDARY CLARIFIER
- 7. DISTRIBUTION CHAMBER
- 8. RETURN SLUDGE PUMPING STATION
- 9. TREATED EFFLUENT COLLECTION CHAMBER
- 10. EFFLUENT JUNCTION CHAMBER

- 11. EFFLUENT PUMPING STATION
- 12. MAINTENANCE BUILDING
- 13. OXYGEN STORAGE SPHERE
- 14. OXYGEN GENERATION
- 15. ELECTRICAL SUB-STATION
- 16. EMERGENCY GENERATION AND PUMPING FACILITY
- 17. ON-SITE CHLORINATION AND PUMPING FACILITY
- 18. ADMINISTRATION BUILDING
- 19. OFF-SITE CHLORINE HANDLING FACILITY
- 20. CAUSTIC UNLOADING FACILITY
- 21. GRIT CHAMBER
- 22. INJECTION PUMPING STATION

- EXISTING FACILITY
- PHASE II. EXPANSION
- INJECTION WELL
- POLYMER BUILDING
- ODOR CONTROL BUILDING

AREA OF 100 YEAR FLOOD BASE FLOOD ELEVATION AND FLOOD HAZARD FACTOR DETERMINED AS FOLLOWS: ZONE A-11 (EL.8) 1-5-84 F.I.R.M. PANELS 83D,84D,91D,92D.

**NORTH DISTRICT
WASTEWATER TREATMENT PLANT
GENERAL PLAN.**

MIAMI-DADE
WATER AND SEWER AUTHORITY

DATE JAN/1991 SCALE 1"=300'

75-141-24 9-10349-5

HYDROGEOLOGIC CROSS SECTION

Datum = Sea Level Domain = Depth
 Scale = 1:500 Vertical Exaggeration = 0.5X

I-2N
 3310
 8/30/1995

I-1N 330
 I-3N 330
 3/16/1995

I-4N
 3308
 3/3/1997

I-1N
 3300
 10/25/1997

SURFICIAL AQUIFER SYSTEM

CONFINING UNIT

UPPER CONFINING UNIT

UPPER CONFINING UNIT

BASE OF THE USGW
 -1340 +/-
 TOP OF CONCREMENT
 100 0 100 200 300 400 500 feet
 -1510 +/-
 Scale 1:5250:71

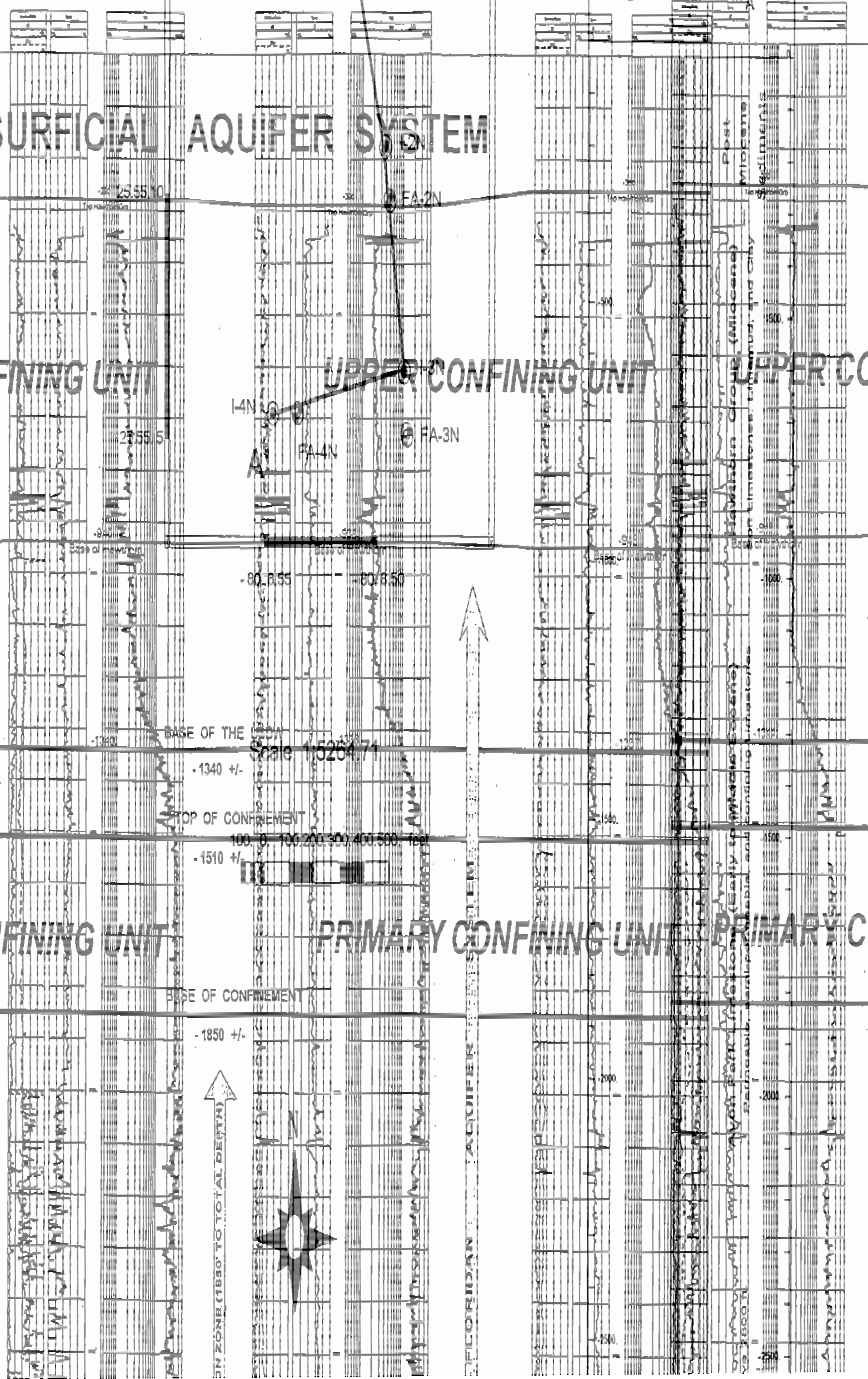
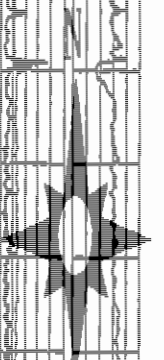
CONFINING UNIT

PRIMARY CONFINING UNIT

PRIMARY CONFINING UNIT

BASE OF CONCREMENT
 -1850 +/-

IN ZONE (1850' TO TOTAL DEPTH)



FLORIDIAN AQUIFER SYSTEM

FLORIDIAN AQUIFER SYSTEM

Post-Miocene Sediments

Miocene Sediments

Florida Limestone

Early to Middle Eocene

Early to Middle Eocene

Early to Middle Eocene

Early to Middle Eocene

Early to Middle Eocene

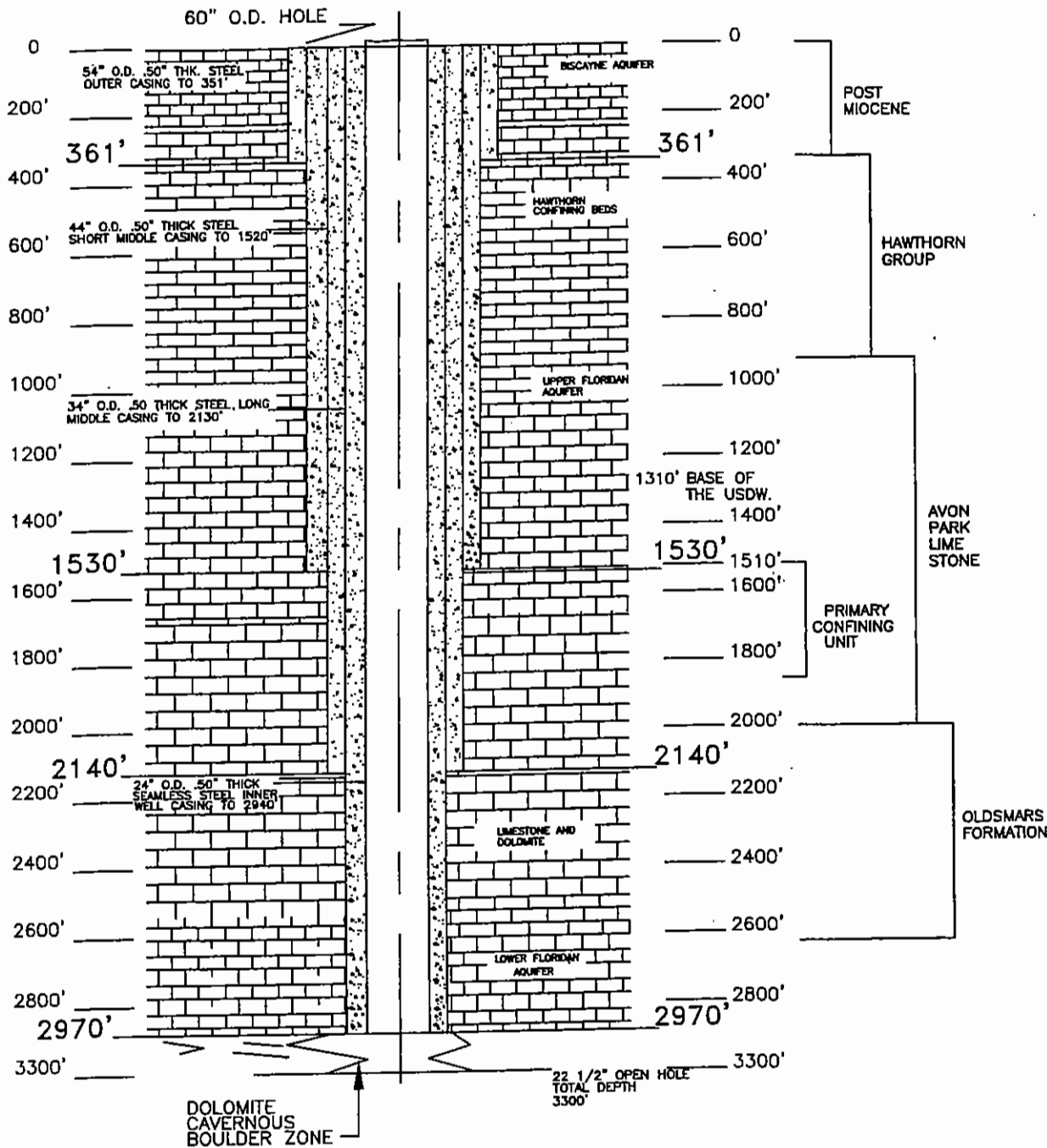
Early to Middle Eocene

**MIAMI-DADE WATER & SEWER DEPT.
NORTH DISTRICT WASTEWATER TREATMENT PLANT**



**DRILLING AND TESTING OF INJECTION WELL IW-1N AND
MONITORING WELL FA-1N**

CONTRACT NO. S-604



WELL DIAGRAM I-1N
(AS BUILT)

3/4" = 100' VERTICAL
3/4" = 1'-0" HORIZONTAL

S. Miller
4/2/00

MIAMI-DADE WATER AND SEWER DEPARTMENT	
NDWWTP INJECTION WELL I-1N AS-BUILT DIAGRAM	
DATE: 04/06/98	SCALE: AS-SHOWN

DRAWN: E.
CHECKED: E.

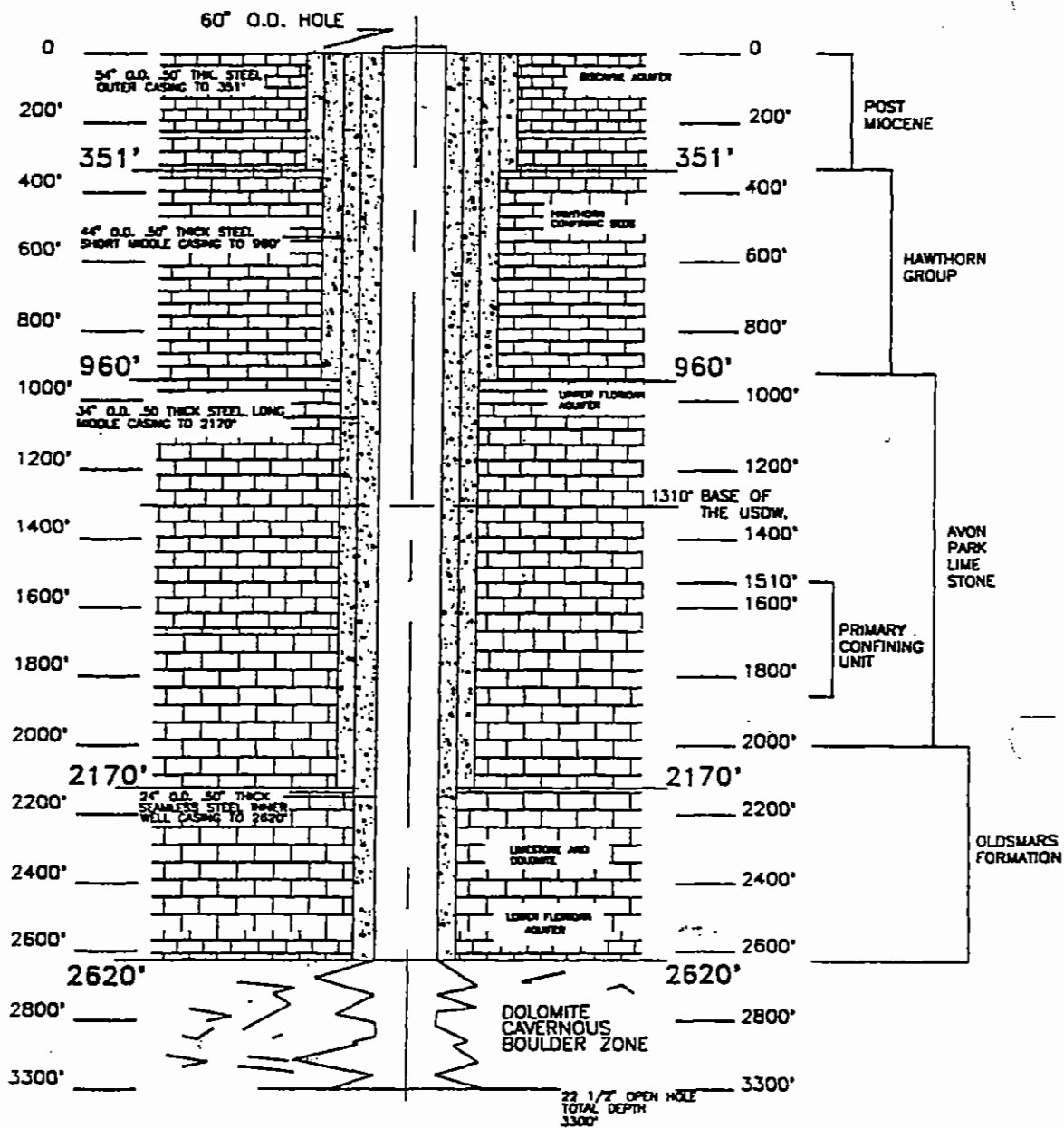
**MIAMI-DADE WATER & SEWER DEPT.
NORTH DISTRICT WASTEWATER TREATMENT PLANT**



SERVE • CONSERVE

**DRILLING AND TESTING OF INJECTION WELL IW-2N AND
MONITORING WELL FA-2N**

CONTRACT NO. S-604



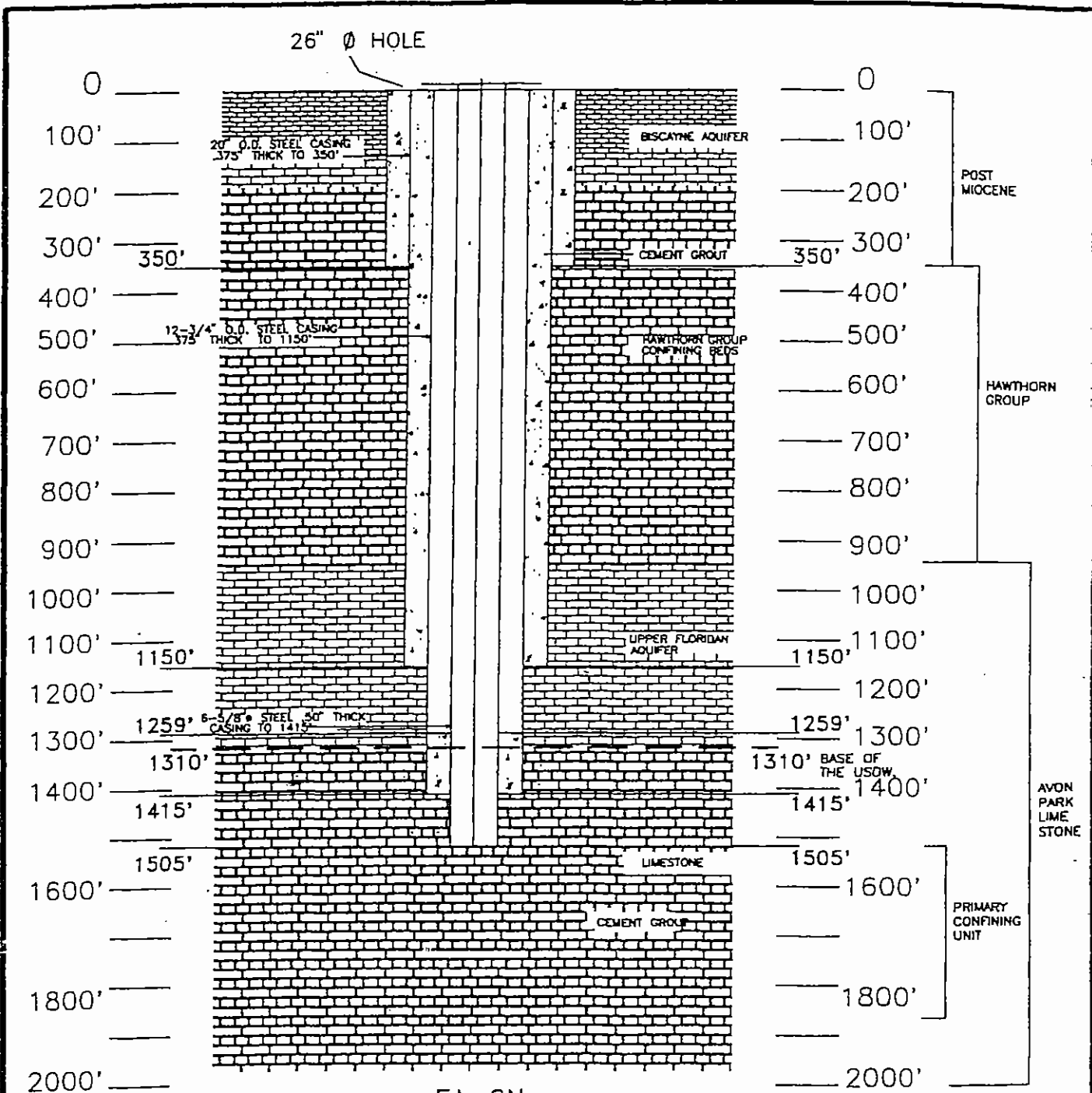
WELL DIAGRAM 1-2N
(AS BUILT)

3/4" = 100' VERTICAL
3/4" = 1'-0" HORIZONTAL

E. J. [Signature]
9/24/95

DRAWN: ASB
CHECKED: E.V.H.

MIAMI-DADE WATER AND SEWER DEPARTMENT	
NDWWTP INJECTION WELL 1-2N AS-BUILT DIAGRAM	
DATE: 09/25/95	SCALE:



FA-2N
 FLORIDAN AQUIFER MONITORING WELL
 CONSTRUCTION DIAGRAM

3/4" = 100' VERTICAL
 3/4" = 1' HORIZONTAL

DRAWN: ASB.
 CHECKED: E.V.H.

S. J. [Signature]

9/25/96

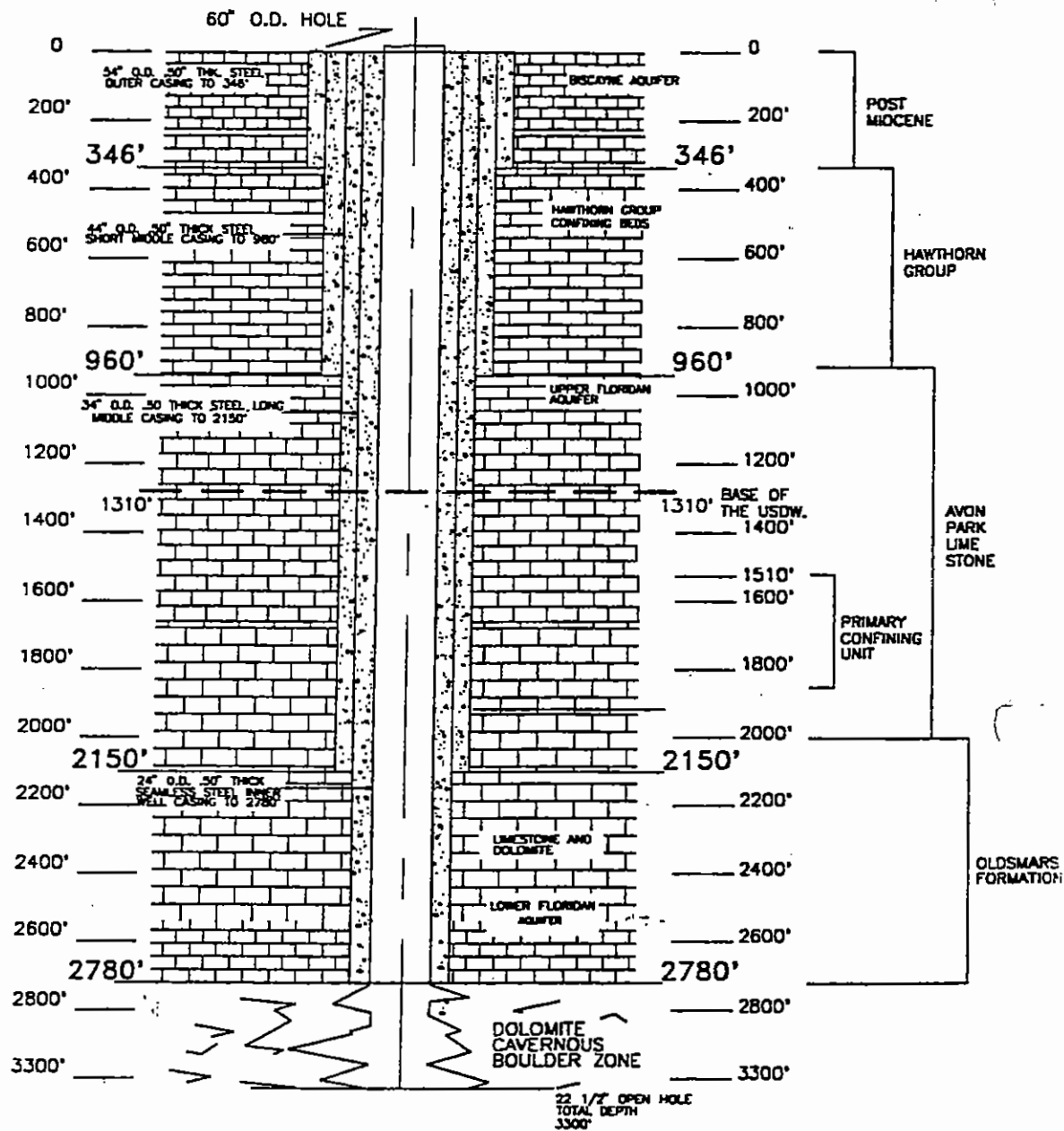
MIAMI-DADE WATER AND SEWER DEPARTMENT	
NDWWTP MONITOR WELL FA-2N AS-BUILT DIAGRAM	
DATE: 03/25/96	SCALE:

**MIAMI-DADE WATER & SEWER DEPT.
NORTH DISTRICT WASTEWATER TREATMENT PLANT**



**DRILLING AND TESTING OF INJECTION WELL IW-3N AND
MONITORING WELL FA-3N**

CONTRACT NO. S-604



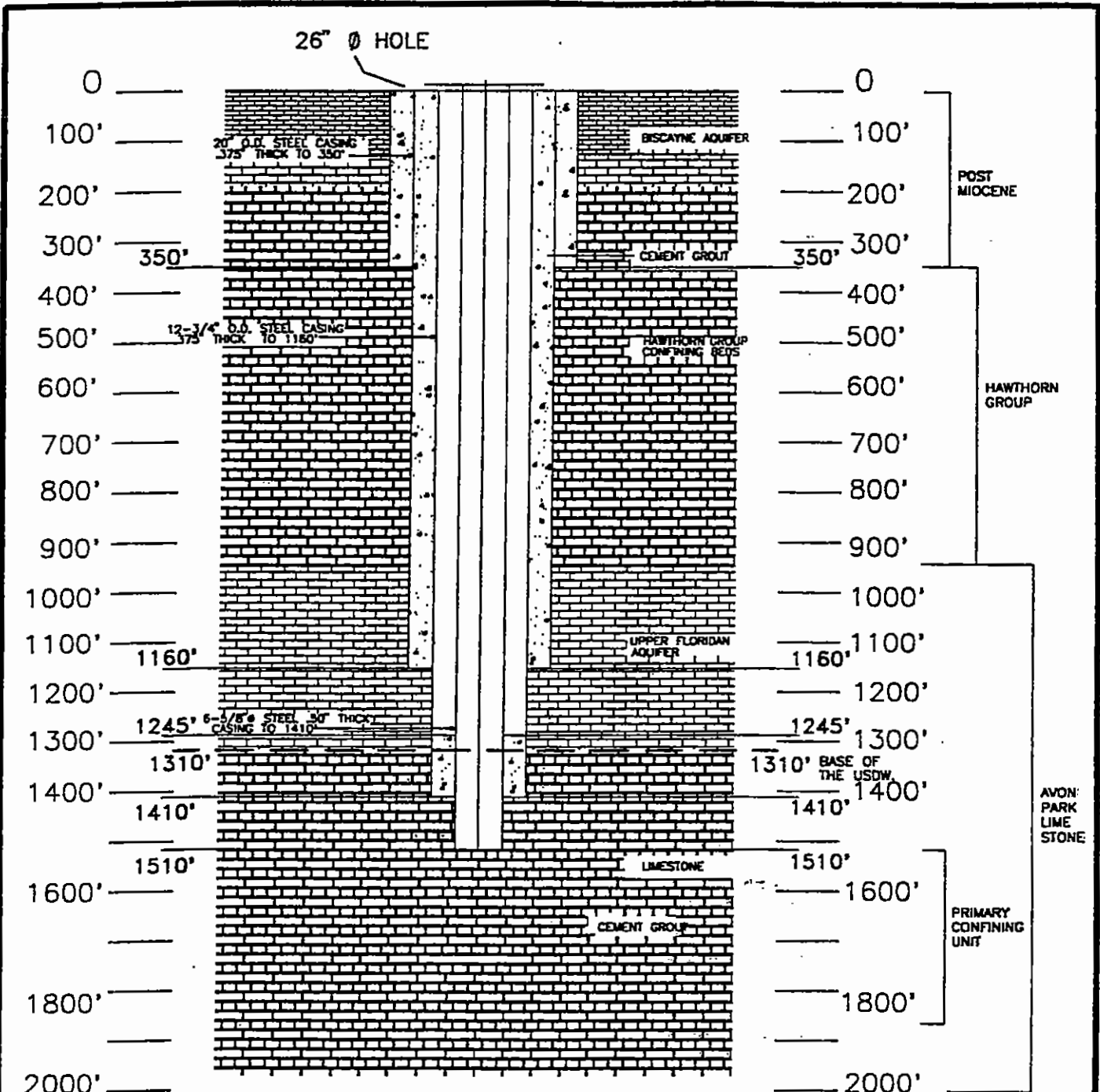
WELL DIAGRAM 1-3N
(AS BUILT)

3/4" = 100' VERTICAL
3/4" = 1'-0" HORIZONTAL

DRAWN: ASB.
CHECKED: E.V.H.

[Handwritten Signature]
9/22/95

MIAMI-DADE WATER AND SEWER DEPARTMENT	
NDWWTP INJECTION WELL 1-3N AS-BUILT DIAGRAM	
DATE: 09/25/95	SCALE:



**FA-3N
FLORIDAN AQUIFER MONITORING WELL
CONSTRUCTION DIAGRAM**

3/4" = 100' VERTICAL
3/4" = 1' HORIZONTAL

MIAMI-DADE WATER AND SEWER DEPARTMENT
NDWWTP MONITOR WELL FA-3N
AS-BUILT DIAGRAM

DATE: 09/25/95

SCALE:

DRAWN: ASB
CHECKED: E.V.H.

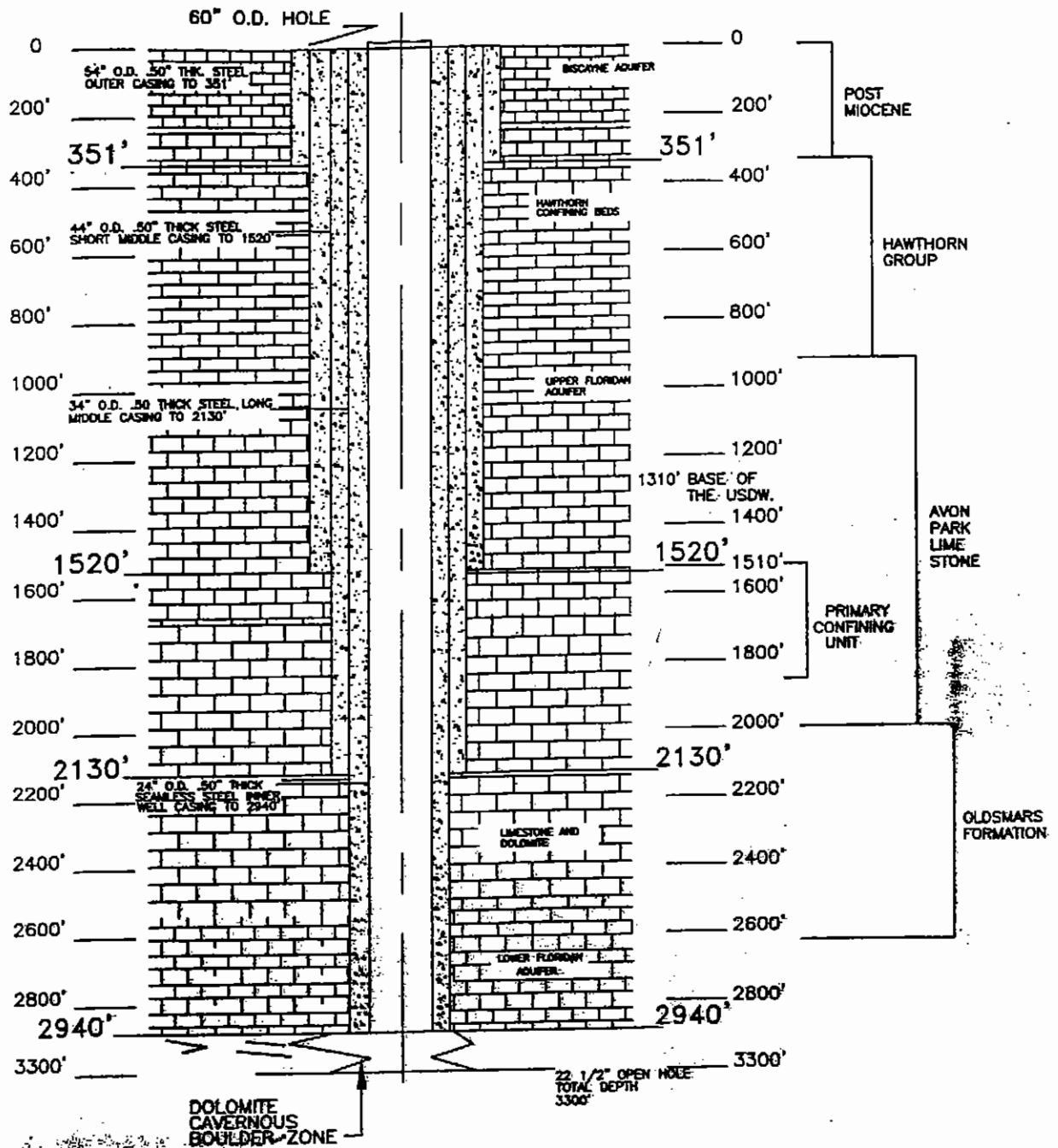
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dated 9/25/95

**MIAMI-DADE WATER & SEWER DEPT.
NORTH DISTRICT WASTEWATER TREATMENT PLANT**



**DRILLING AND TESTING OF INJECTION WELL IW-4N AND
MONITORING WELL FA-4N**

CONTRACT NO. S-604



WELL DIAGRAM I-4N
(AS BUILT)

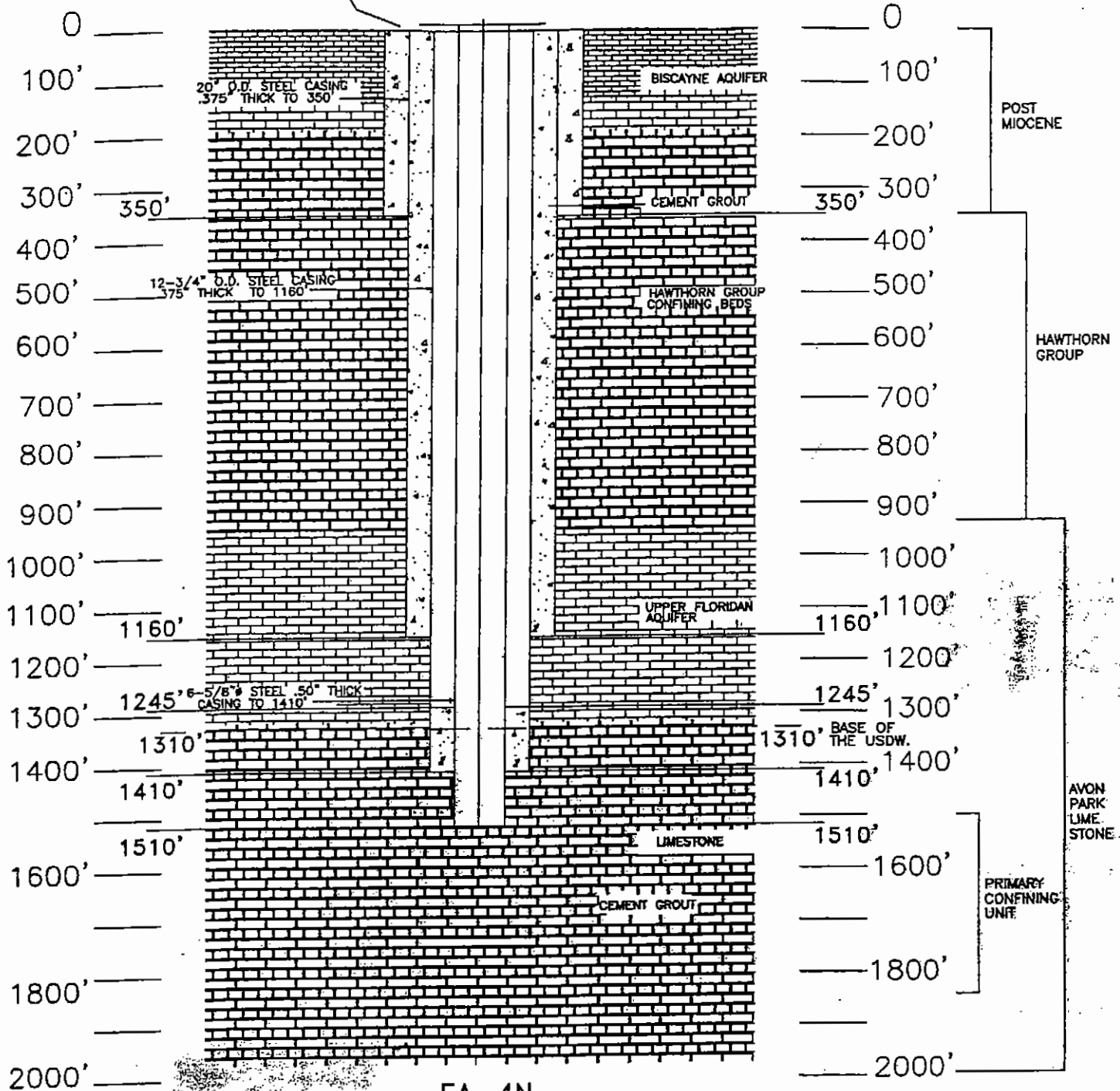
3/4" = 100' VERTICAL
3/4" = 1'-0" HORIZONTAL

DRAWN: CHECKED:

[Handwritten Signature]
4/27/10

MIAMI-DADE WATER AND SEWER DEPARTMENT	
NDWWTP INJECTION WELL I-4N AS-BUILT DIAGRAM	
DATE:	SCALE:

26" Ø HOLE



FA-4N
 FLORIDAN AQUIFER MONITORING WELL
 CONSTRUCTION DIAGRAM

3/4" = 100' VERTICAL
 3/4" = 1' HORIZONTAL

[Handwritten Signature]
 8/21/00

MIAMI-DADE WATER AND SEWER DEPARTMENT	
NDWWTP MONITOR WELL FA-4N	
AS-BUILT DIAGRAM	
DATE: 09/25/95	SCALE: