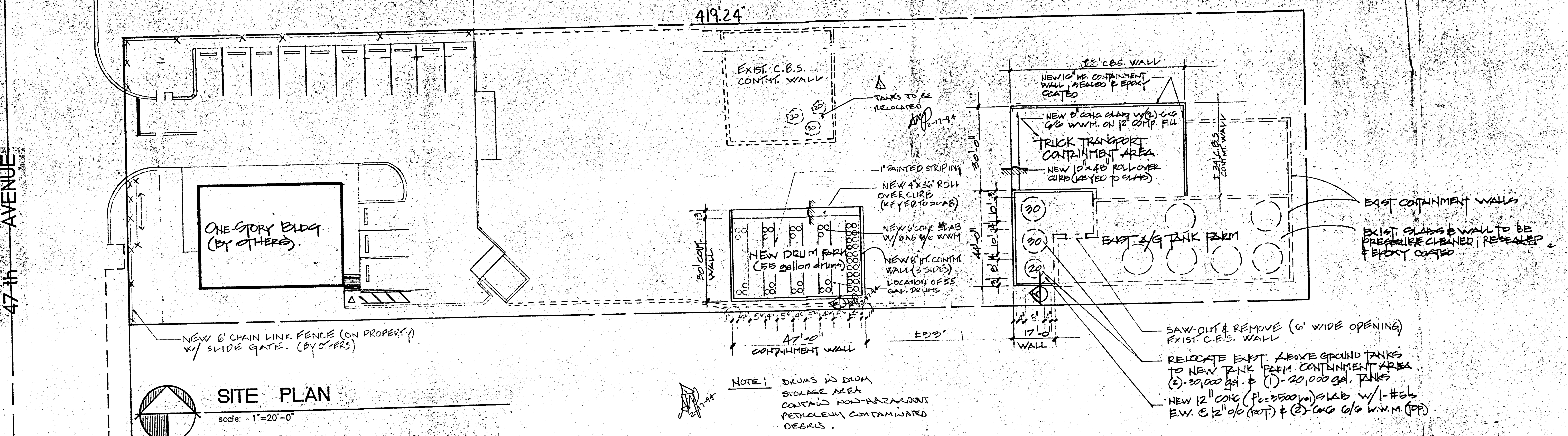
Poor Original


419.24'
47 th AVENUE
ONE-STORY BLDG (BY OTHERS).
NEW 6' CHAIN LINK FENCE (ON PROPERTY) W/ SLIDE GATE. (BY OTHERS)
EXIST. C.B.S. CONTMT. WALL
TANKS TO BE RELOCATED
2-17-94
30
20
1" PAINTED STRIPING
NEW 4"x36" ROLL OVER CURB (KEYED TO SLAB)
NEW 6" CONC SLAB W/ 6x6 6/6 WWM
NEW 8" HT. CONTMT. WALL (3 SIDES)
LOCATION OF 55 GAL. DRUMS
NEW DRUM FARM (55 gallon drums)
30' CONT. WALL
47'-0" CONTAINMENT WALL
±53'
100' C.B.S. WALL
NEW 10" HT. CONTAINMENT WALL, SEALED & EPOXY COATED
NEW 8" CONC. SLAB W/(2)-6x6 6/6 WWM. ON 12" COMP. FILL
TRUCK TRANSPORT CONTAINMENT AREA
NEW 10"x48" ROLL-OVER CURB (KEYED TO SLAB)
30'-0"
44'-0"
±34' C.B.S. CONTMT. WALL
17'-0" WALL
EXIST. A/G TANK FARM
EXIST. CONTAINMENT WALLS
EXIST. SLABS & WALL TO BE PRESSURE CLEANED, RESEALED & EPOXY COATED
SAW-OUT & REMOVE (6' WIDE OPENING) EXIST. C.B.S. WALL
RELOCATE EXIST. ABOVE GROUND TANKS TO NEW TANK FARM CONTAINMENT AREA (2)-30,000 gal. & (1)-20,000 gal. TANKS
NEW 12" CONC (f'c=3500 psi) SLAB W/ 1-#5's E.W. @ 12" o/c (BOT.) & (2)-6x6 6/6 W.W.M. (TOP)
NOTE: DRUMS IN DRUM STORAGE AREA CONTAIN NON-HAZARDOUS PETROLEUM CONTAMINATED DEBRIS.
2-17-94

SITE PLAN

scale: 1"=20'-0"

CONTAINMENT CALCULATIONS:

CONT. VOL. REQ.

NEW TANK FARM: (120% OF LARGEST TANK)

VOL. REQ:
30,000 GAL. X 1.20 = 36,000 GAL.
36,000 GAL. X 1 FT.3/7.48 = 4813 FT.3
AREA PROVIDED =
49 x 17 (NEW) + 15 x 17 (NEW) + 75 x 30 = (EXIST.) 3253 FT.
HEIGHT OF CONT. WALL =
4813 FT.3/3253 FT.2 = 1.48 ∠ 3.3 FT.

NEW TRUCK CONT. AREA (120% OF LARGEST TRANSPORT)

VOL. REQ.
9000 x 1.20 = 10,800 GAL.
10,800 x 1 FT.3/7.48 GAL = 1444 FT.3
30 x 60 = 1800 FT.2
1444 FT.3/1800 FT.2 = .80 FT. 0.83

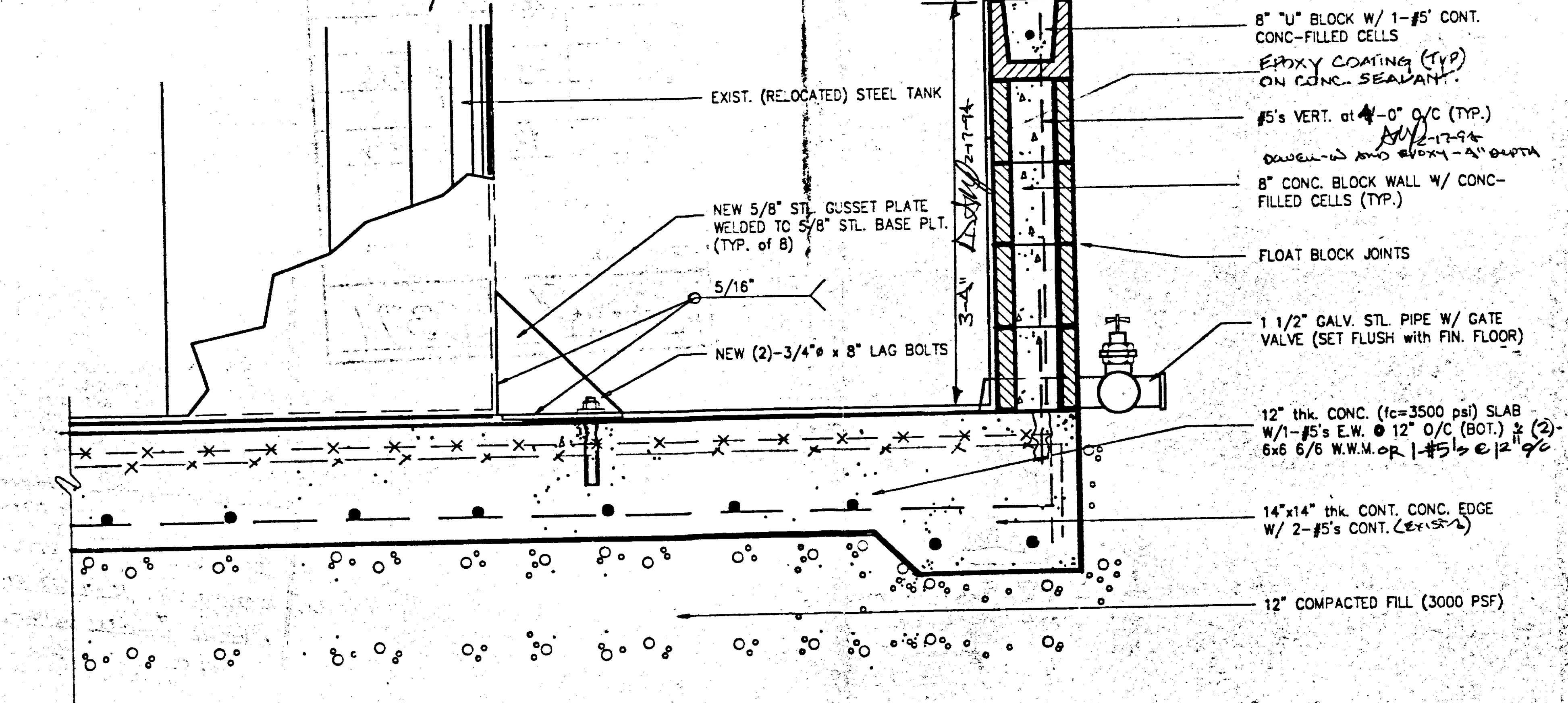
NEW DRUM FARM: (20% OF TOTAL VOL.)

100 x 55 GAL. x .2 = 1100 GAL.
1100 x FT.3/7.48 = 1.48 FT.3
30 x 47 = 1410 FT.
148/1410 FT.2 = .10 0.33

BROWARD COUNTY OFFICE OF
NATURAL RESOURCE PROTECTION
APPROVED RE: CH 27-10

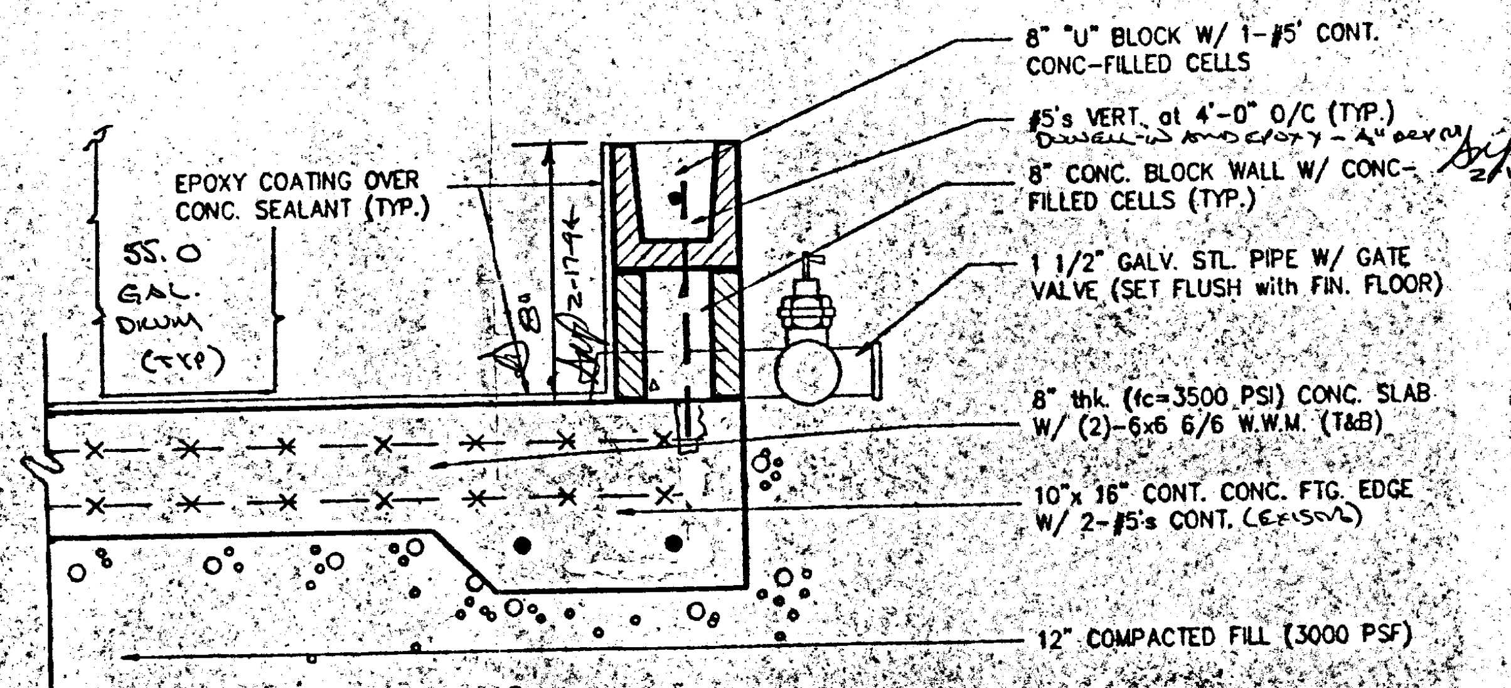
AJC STORAGE TANK FACILITY A.G. INSTALLATION
X ASSOCIATED PIPING
AJC SECONDARY CONTAINMENT
x STORAGE TANK REMOVAL
x CARWASH FACILITY

BY Alonso J. Castillo DATE 1/26/94


EXIST. (RELOCATED) STEEL TANK
NEW 5/8" STL. GUSSET PLATE WELDED TO 5/8" STL. BASE PLT. (TYP. of 8)
5/16"
NEW (2)-3/4"ø x 8" LAG BOLTS
3'-4"
2-17-94
8" "U" BLOCK W/ 1-#5' CONT. CONC-FILLED CELLS
EPOXY COATING (TYP) ON CONC. SEALANT.
#5's VERT. at 4'-0" O/C (TYP.)
2-17-94
DOWEL-IN AND EPOXY - 4" DEPTH
8" CONC. BLOCK WALL W/ CONC-FILLED CELLS (TYP.)
FLOAT BLOCK JOINTS
1 1/2" GALV. STL. PIPE W/ GATE VALVE (SET FLUSH with FIN. FLOOR)
12" thk. CONC. (fc=3500 psi) SLAB W/1-#5's E.W. @ 12" O/C (BOT.) & (2)-6x6 6/6 W.W.M. OR 1-#5's @ 12" o/c
14"x14" thk. CONT. CONC. EDGE W/ 2-#5's CONT. (EXISTING)
12" COMPACTED FILL (3000 PSF)

SECTION A

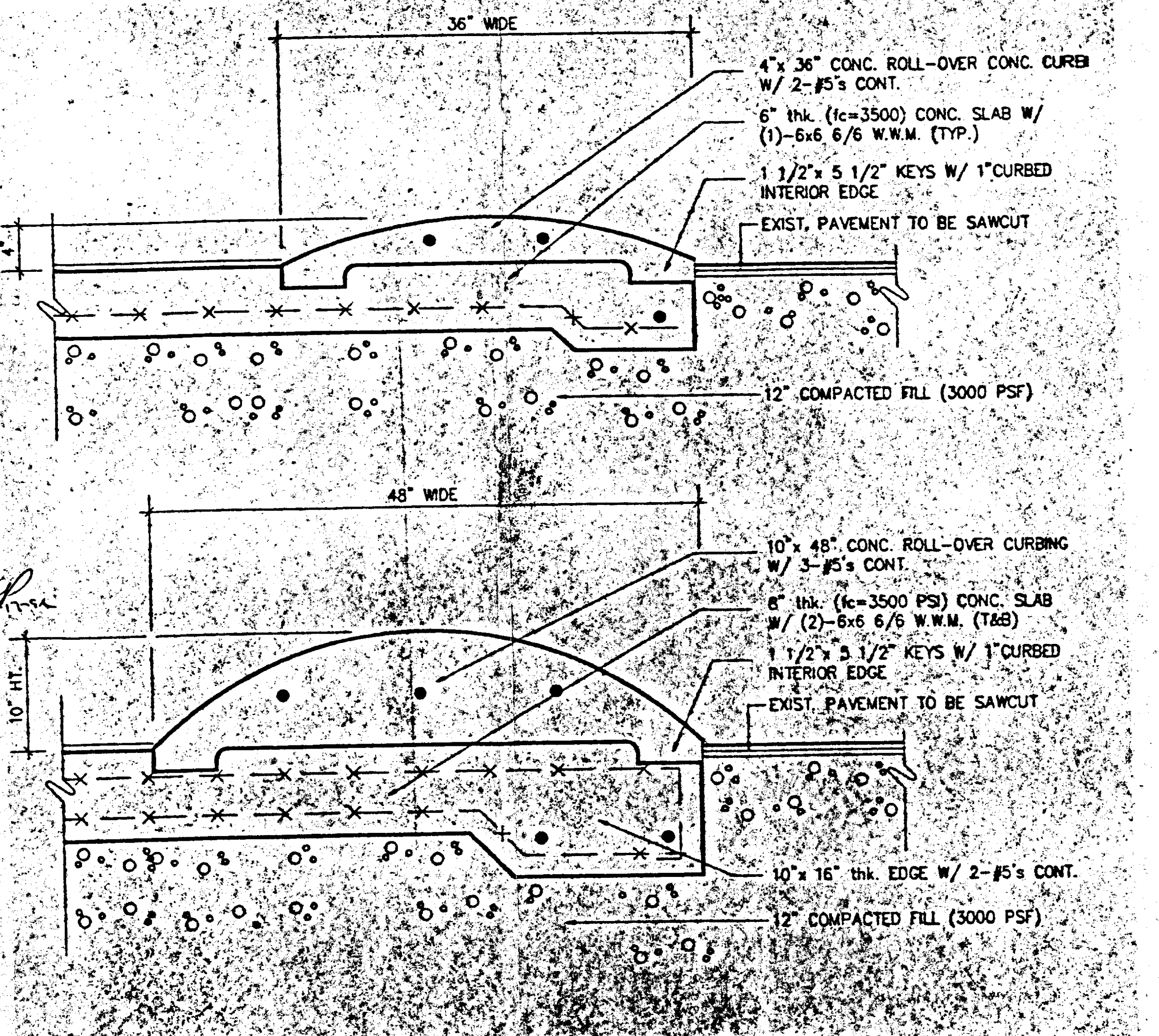
scale: 1"=1'-0"


EPOXY COATING OVER CONC. SEALANT (TYP.)
55.0 GAL. DRUM (TYP)
8"
2-17-94
8" "U" BLOCK W/ 1-#5' CONT. CONC-FILLED CELLS
#5's VERT. at 4'-0" O/C (TYP.)
DOWEL-IN AND EPOXY - 4" DEPTH
2-17-94
8" CONC. BLOCK WALL W/ CONC-FILLED CELLS (TYP.)
1 1/2" GALV. STL. PIPE W/ GATE VALVE (SET FLUSH with FIN. FLOOR)
8" thk. (fc=3500 PSI) CONC. SLAB W/ (2)-6x6 6/6 W.W.M. (T&B)
10"x 16" CONT. CONC. FTG. EDGE W/ 2-#5's CONT. (EXISTING)
12" COMPACTED FILL (3000 PSF)

SECTION B

scale: 1"=1'-0"

Poor Original


36" WIDE
4"
4"x 36" CONC. ROLL-OVER CONC. CURB W/ 2-#5's CONT.
6" thk. (fc=3500) CONC. SLAB W/ (1)-6x6 6/6 W.W.M. (TYP.)
1 1/2"x 5 1/2" KEYS W/ 1" CURBED INTERIOR EDGE
EXIST. PAVEMENT TO BE SAWCUT
12" COMPACTED FILL (3000 PSF)
48" WIDE
10" HT.
10"x 48" CONC. ROLL-OVER CURBING W/ 3-#5's CONT.
8" thk. (fc=3500 PSI) CONC. SLAB W/ (2)-6x6 6/6 W.W.M. (T&B)
1 1/2"x 5 1/2" KEYS W/ 1" CURBED INTERIOR EDGE
EXIST. PAVEMENT TO BE SAWCUT
10"x 16" thk. EDGE W/ 2-#5's CONT.
12" COMPACTED FILL (3000 PSF)

ROLL - OVER CURB DETAIL

scale: 1"=1'-0"

BROWARD COUNTY OFFICE OF
NATURAL RESOURCE PROTECTION
PLANS REVIEWED,
BY ENVIRONMENTAL ASSESSMENT AND
REMEDIATION
for 1/13/94
LORENZO FERNANDEZ, P.E. - MANAGER

1/12/94

EGN, inc
ENGINEERING
9300 nw 25 street, suite 206
miami, florida 33172
telephone: 305-477-0880
beeper: 305-478-9903
fax: 305-477-1197

ABOVEGROUND TANK STORAGE FACILTY

PETROLEUM MANAGEMENT, Inc.

3650 S.W. 47 th AVENUE
DAVIE, FLORIDA

Date: 1/10/94
By:
Chk:
Scale: AS NOTED
Job No: 94-164

Rev:	Date:	
Δ	2-17-94	REVISED PER TOWN OF DAVIE COMMENTS

1 OF

0371