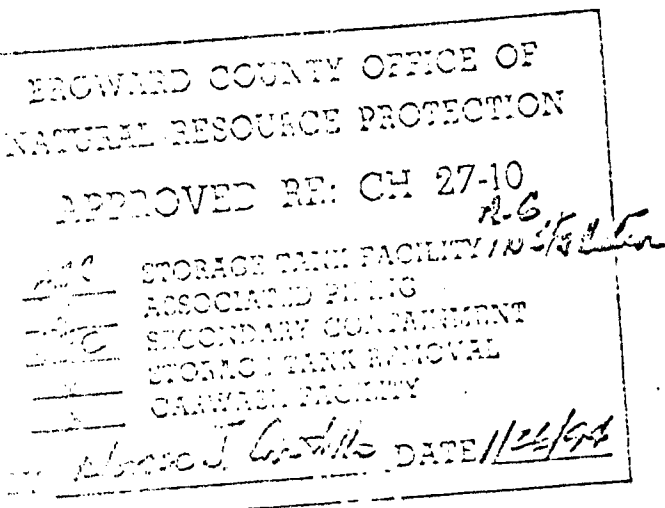


DATE	REVISIONS	DRAWN BY
10-5-11	1. 11-AS-8011-T	PL

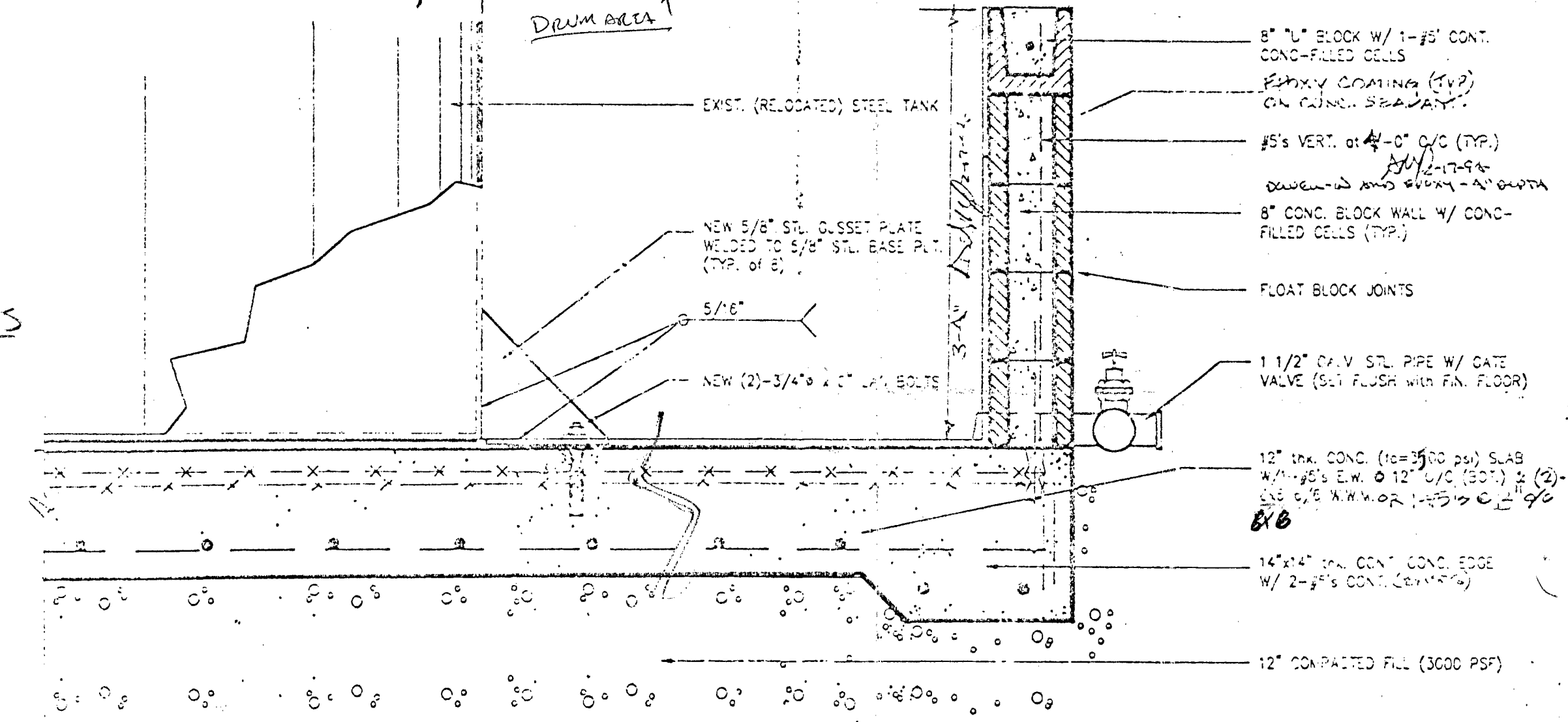
JOB NO. 97134
DRAWN BY: E.L.H.
DATE: 6/18/97
C:\ACAD\97\97134_1
SCALE: AS NOTED
SHEET NO:



 RICHARD R. MORRIS
 FL. P.E. REG. # 37478
 CIVIL

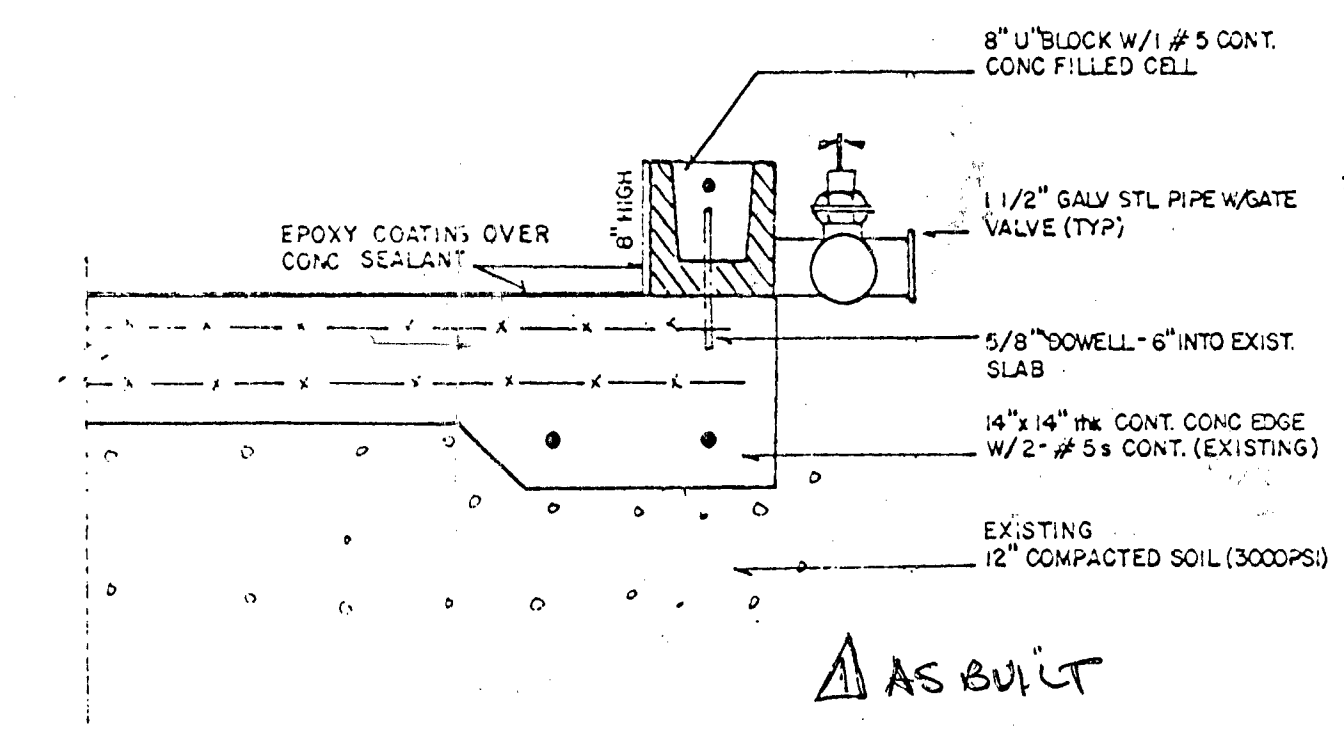


$30,000 \text{ GAL} \times 1.20 = 36,000 \text{ GAL}$
 $36,000 \text{ GAL} \times 1.173 / 748 = 913 \text{ FT}^3$
 AREA PROVIDED:
 $44 \times 17 (\text{NEW}) = 15 \times 17 (\text{NEW}) = 75 \times 35 = (\text{EXIST}) 3253$
 HEIGHT OF CONE WALL =
 $4913 \text{ FT}^3 / 3253 \text{ FT}^2 = 1.48 < 3.3 \text{ FT}$
 NEW TRUCK CONTAINER $10' \times 12' \times 35' = 4200 \text{ FT}^3$
 VOL. REQ.
 $914 \times 1120 = 10,800 \text{ GAL}$
 $10,800 \times 1.173 / 748 \text{ GAL} = 1444 \text{ FT}^3$
 $30 \times 60 = 1800 \text{ FT}^3$
 $1444 \text{ FT}^3 \div 1800 = .8$ CUB
 NEW DRUM FARM (10% OF TOTAL VOL.)
 $100 \times 55 \text{ GAL} \times 2 = 11000 \text{ GAL}$
 $11000 \text{ GAL} / 7.48 = 1483 \text{ FT}^3$
 $30 \times 42 = 1260 \text{ FT}^3$
 $1483 / 1260 \text{ FT}^3 = .10 < 0.33$



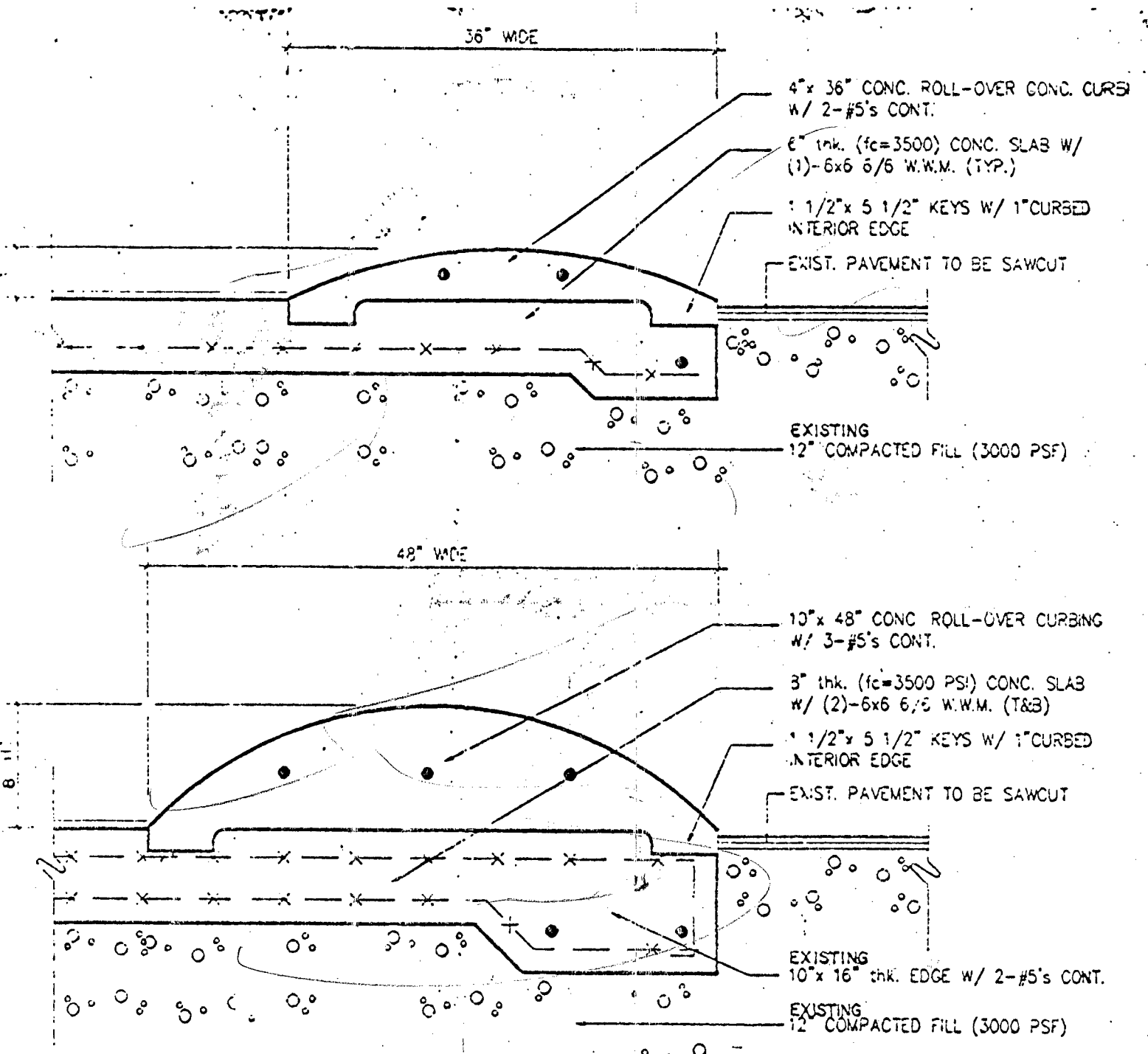
SECTION A  AS BUILT

scale: 1"=1'-0"



SECTION B

scale 1" = 1'-0"



ROLL - OVER CURB DETAIL  AS BUILT

scale: 1"=1'-0"

BROWARD COUNTY OFFICE OF
NATURAL RESOURCE PROTECTION

PLANS REVIEWED,
BY ENVIRONMENTAL ASSESSMENT AND
REMEDATION

[Signature] 4/17/14
LORENZO FERNANDEZ, P.E. - MANAGER

[Signature] 4/18/14

REVISION

PROJECT LOG

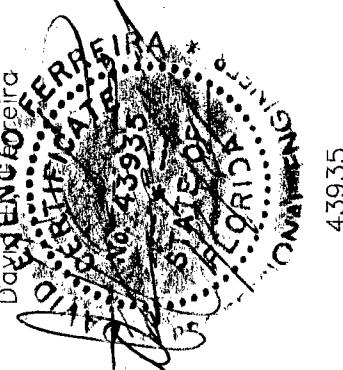
CLIENT REVIEW AND
PROGRESS SET
02/11/03

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OF RECORD.

SITE PLAN
PETROLEUM MANAGEMENT, INC.
3650 S.W. 47TH AVENUE
DAVIE, FLORIDA
SITE PLAN

BWS

2841 E. Atlantic Blvd
Pompano Beach
Florida 33062
(954) 781-8422
LIC: AA-C00871
CA: 5317



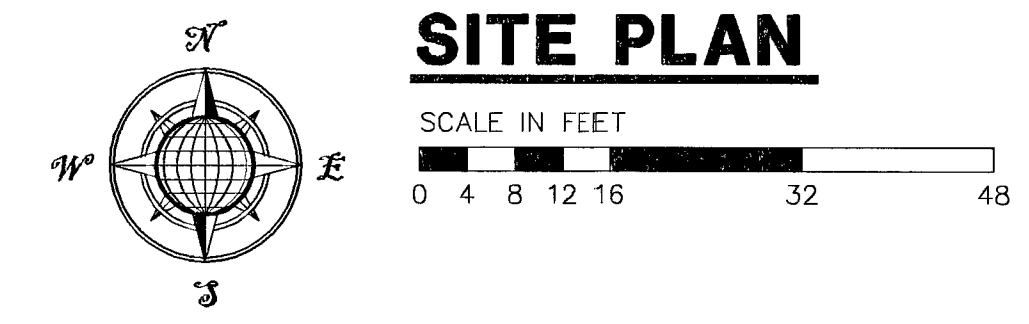
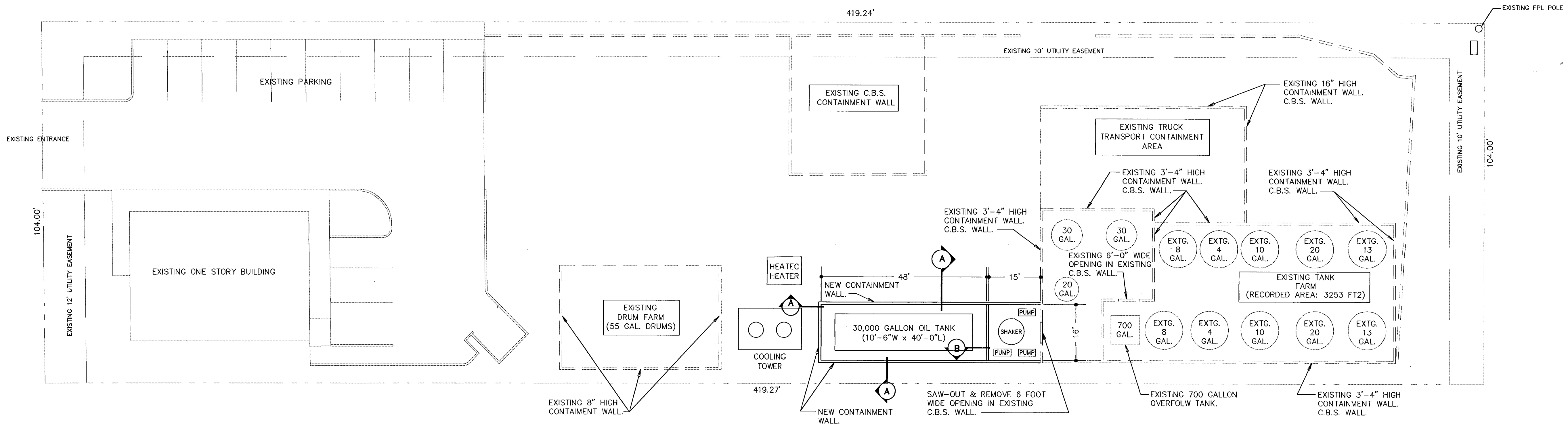
PROJECT No. 041003

DATE: 01/15/04

CHECKED BY: JLivingway

DRAWING No.

SP-1



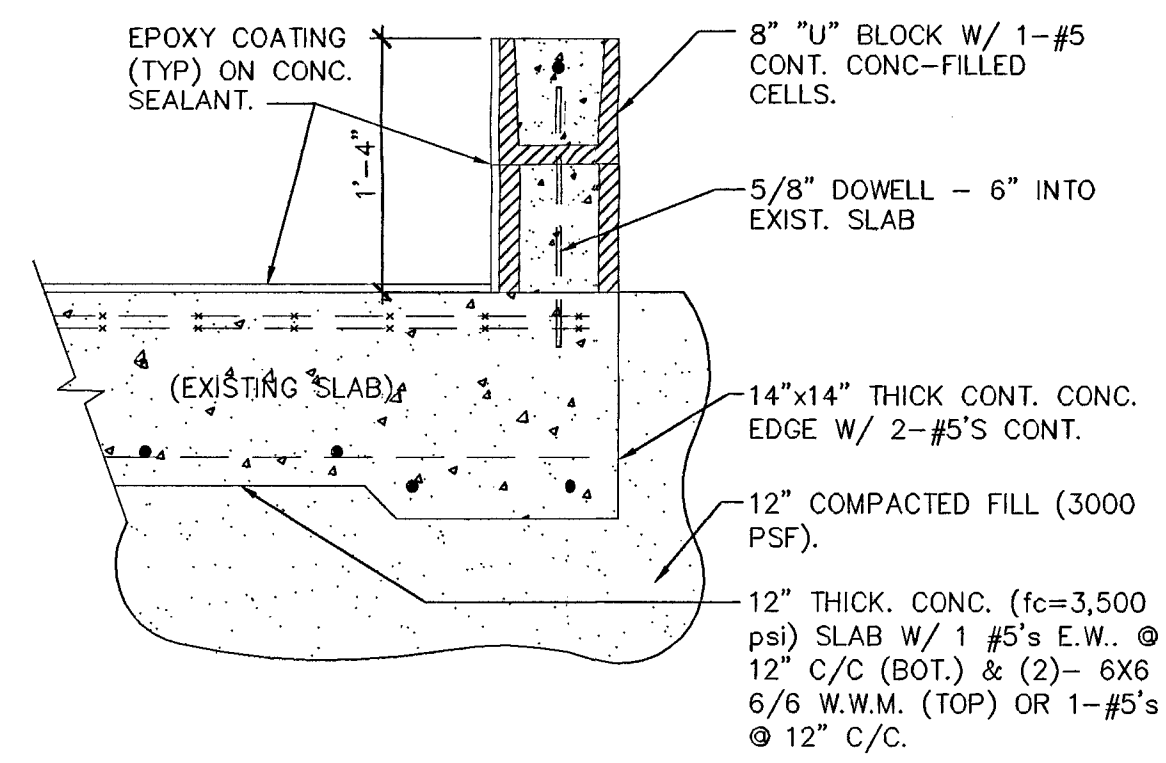
SITE PLAN

SCALE IN FEET
0 4 8 12 16 32 48

CONTAINMENT CALCULATION:

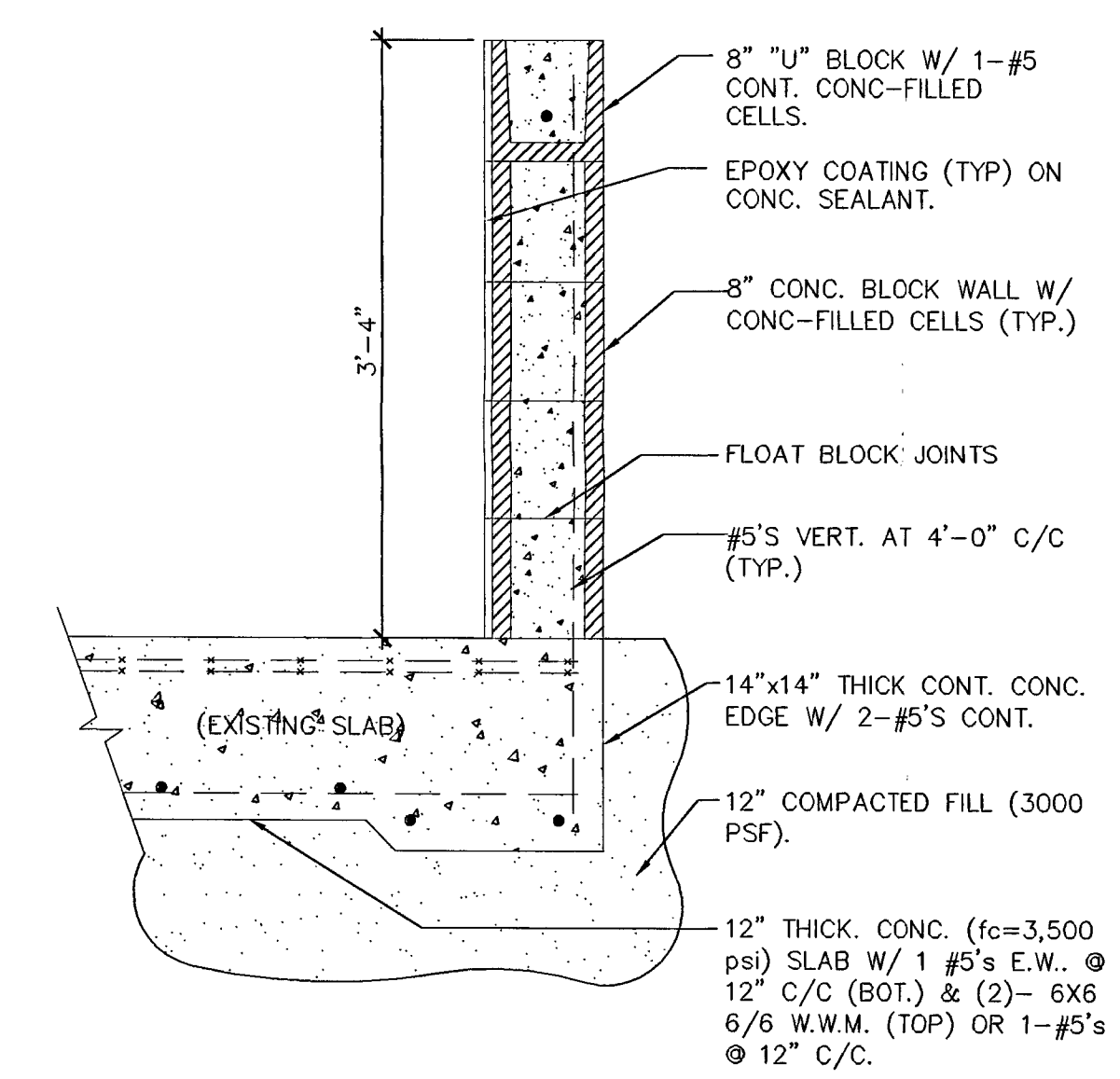
1. TANK VOLUME: 30,000 GALLONS
2. SAFETY FACTOR: 120% OF VOLUME OF THE TANK
3. VOLUME OF CONTAINMENT REQUIRED:
$$\frac{30,000 \text{ GALLONS} \times 1.13 \text{ FT}^3}{7.48 \text{ GALLONS}} = 4011 \text{ FT}^3$$

$$4011 \text{ FT}^3 \times 120\% = 4813 \text{ FT}^3$$
4. AREA OF NEW CONTAINMENT = (48 FT. + 15 FT.) x 16 FT. = 1008 FT²
5. AREA OF EXISTING CONTAINMENT = 3253 FT²
6. MINIMUM HEIGHT OF CONTAINMENT WALL REQUIRED:
$$\frac{\text{VOLUME OF CONTAINMENT REQUIRED}}{\text{AREA OF NEW CONTAINMENT}} = \frac{4813 \text{ FT}^3}{1008 \text{ FT}^2 + 3253 \text{ FT}^2} = 1.13 \text{ FT.}$$
7. HEIGHT OF NEW & EXISTING CONTAINMENT WALLS = 3.3 FT. (SEE SECTION A)
8. HEIGHT OF CONT. WALL REQD. < HEIGHT OF EXIST. & NEW CONT. WALL REQD.
$$1.13 \text{ FT} < 3.3 \text{ FT.}$$



SECTION B

NOT TO SCALE



SECTION A

NOT TO SCALE