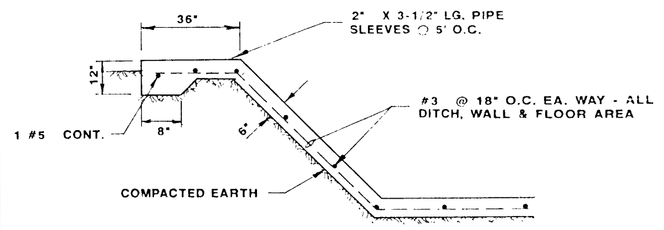
SEWAGE TREATMENT PLANT

EXPANSION TO 0.40 M.G.D.

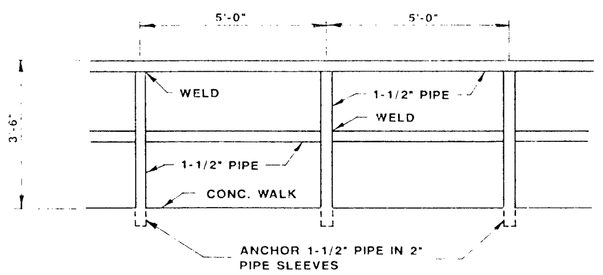
CITY OF WALLER

WALLER COUNTY, TEXAS



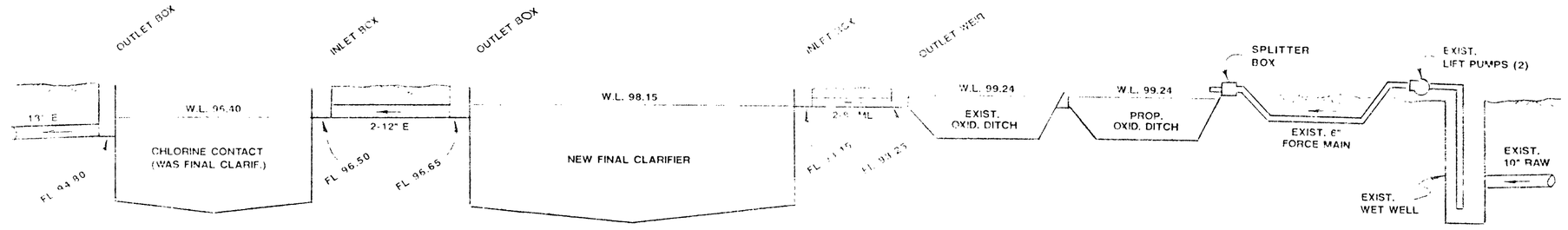
TYPICAL DITCH WALL & FLOOR SECTION

N.T.S.



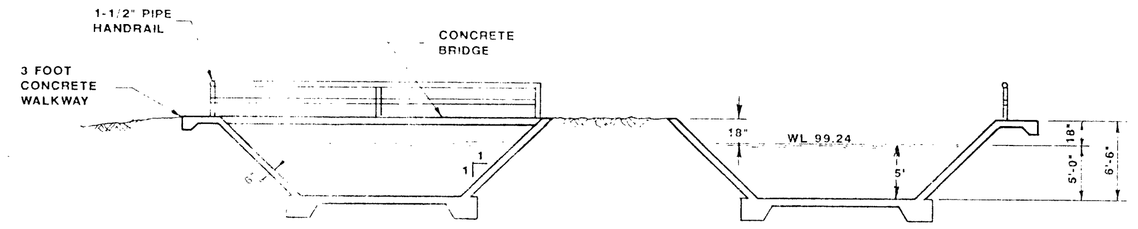
HANDRAIL @ PERIMETER OF DITCH

N.T.S.



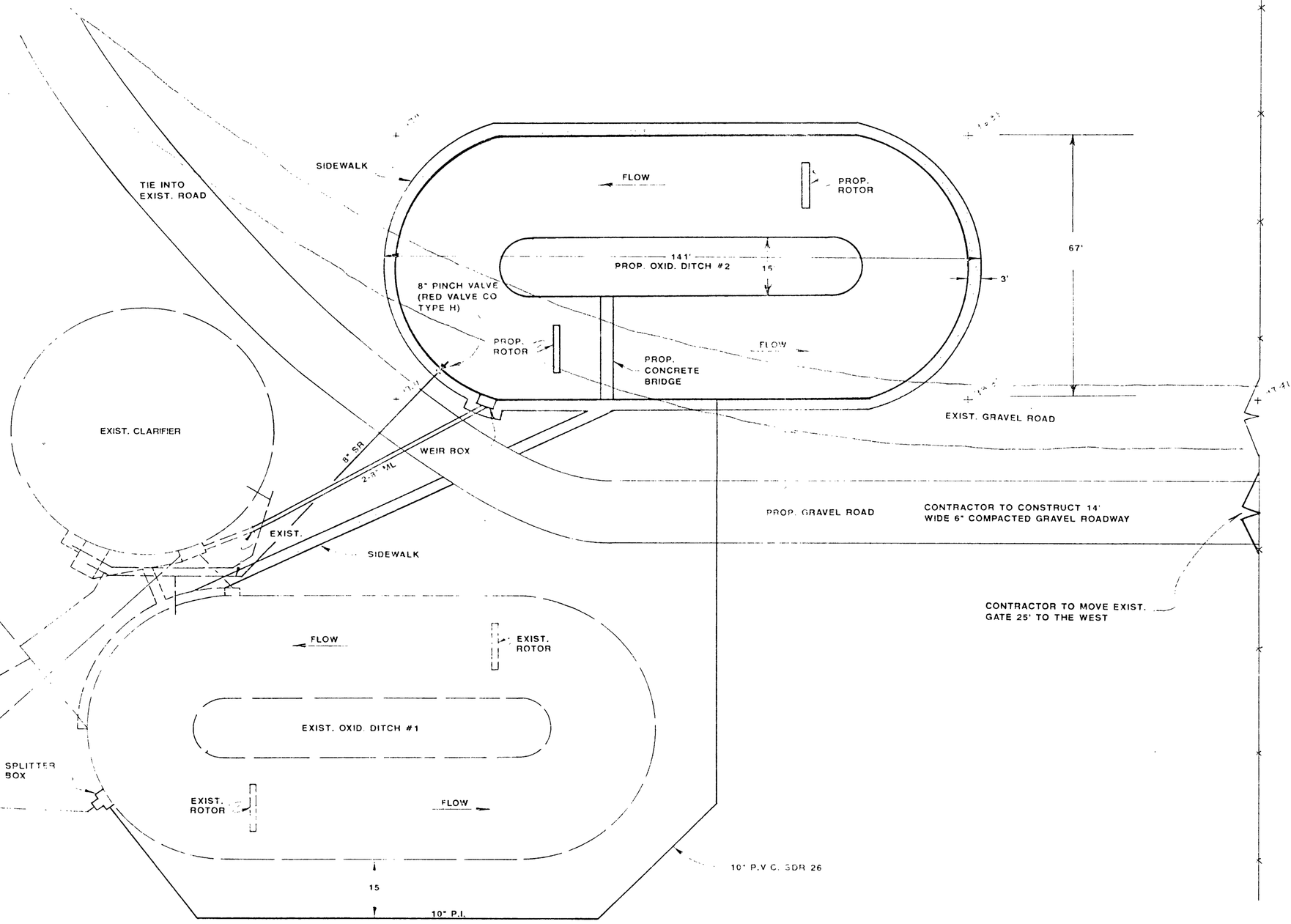
HYDRAULIC PROFILE

V: 1" = 10' H: N.T.S.



OXIDATION DITCH X-SECTION

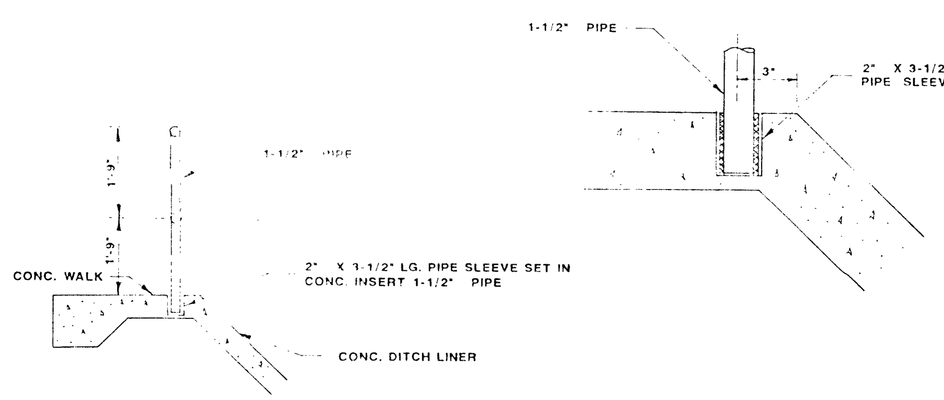
N.T.S.



CONSTRUCTION NOTES

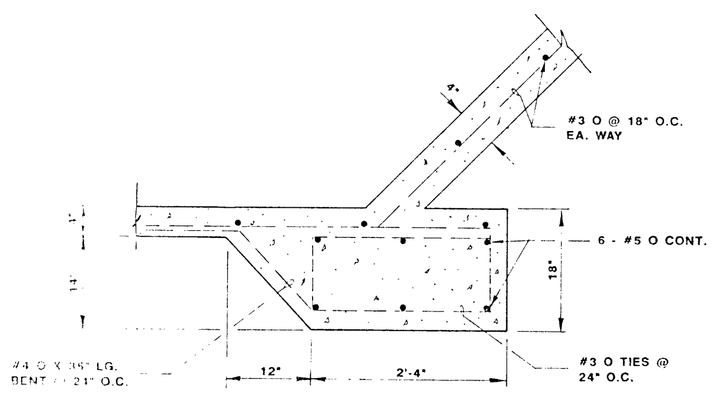
1) ALL CONCRETE SHALL BE 3000 P.S.I. STRENGTH
2) CHAMFER ALL EXPOSED EDGES 3/4 INCH.
3) ANCHOR BOLT AND MECHANICAL EQUIPMENT DIMENSIONS MUST BE VERIFIED BY VENDOR SHOP DRAWINGS BEFORE CONSTRUCTION.

SCALE: 1" = 20'



TYPICAL HANDRAIL SECTION

N.T.S.



FOOTING DETAIL

3/4" = 1' - 0"

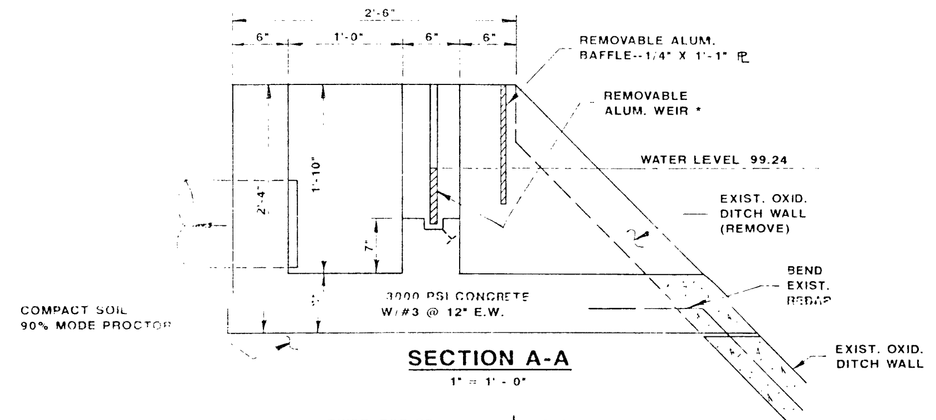
Clay & Leyendecker, Inc.
Consulting Engineers & Surveyors
Katy, Texas

CITY OF WALLER
OXIDATION DITCH ADDITION -
SEWAGE TREATMENT PLANT

REVISED JAN.,1992

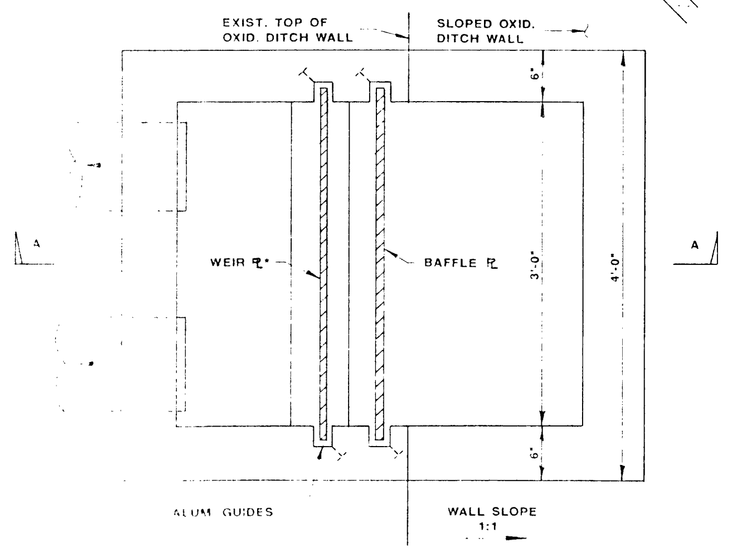
Scale: AS SHOWN	
Tape no.	File no.
Dwn. By: D.T.	Date: OCT.,1991
Sheet Number 1 of 2	

PIPING SCHEDULE				
MARK	MAT'L.	CLASS	JOINT	FUNCTION --- COMMENTS
8" ML	PVC	200 PSI	PUSH ON	MIXED LIQUOR -- DOUBLE PIPE
8" SR	PVC	200 PSI	PUSH ON	SLUDGE RETURN
10" PI	PVC	SDR 26	PUSH ON	PLANT INFLUENT



SECTION A-A

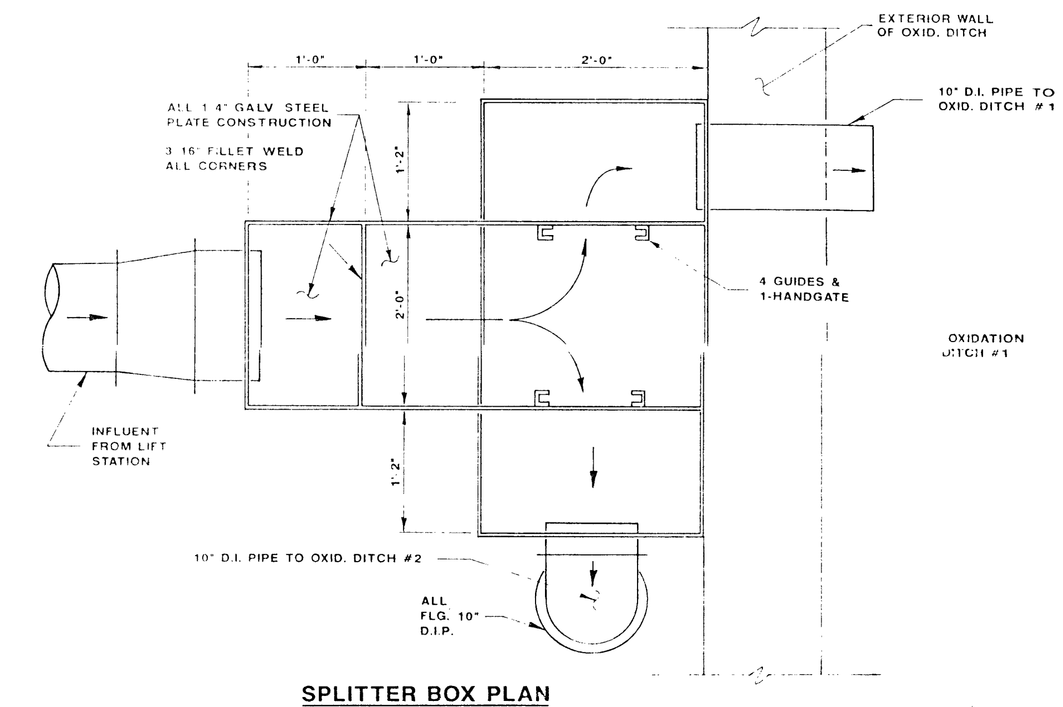
1" = 1' - 0"



WEIR BOX ON OXID. DITCH

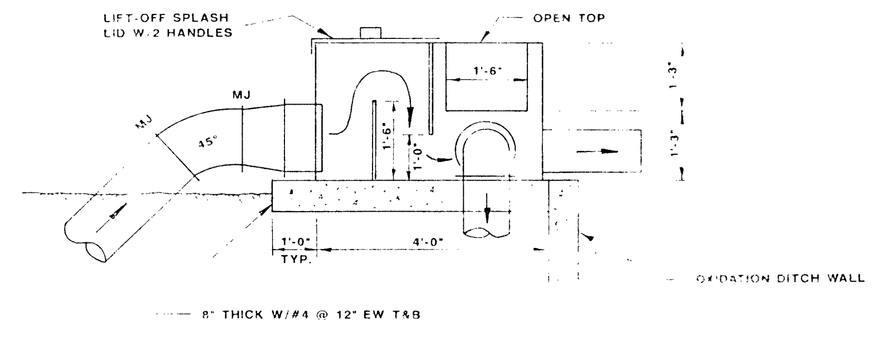
1" = 1' - 0"

*FURNISH 3 PLATES : 1/4" X 3"; 1/4" X 6";
[illegible] NORMALLY BE USED.
FIELD GRIND TO ACHIEVE MEAN WATER LEVEL
OF 99.24. EACH SHALL HAVE 2 HAND
LOOPS EXTENDING 6" ABOVE TOP OF S



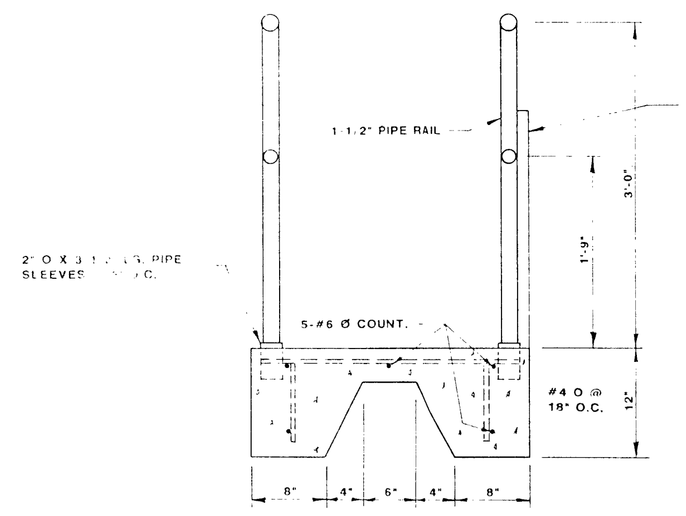
SPLITTER BOX PLAN

1" = 1' - 0"



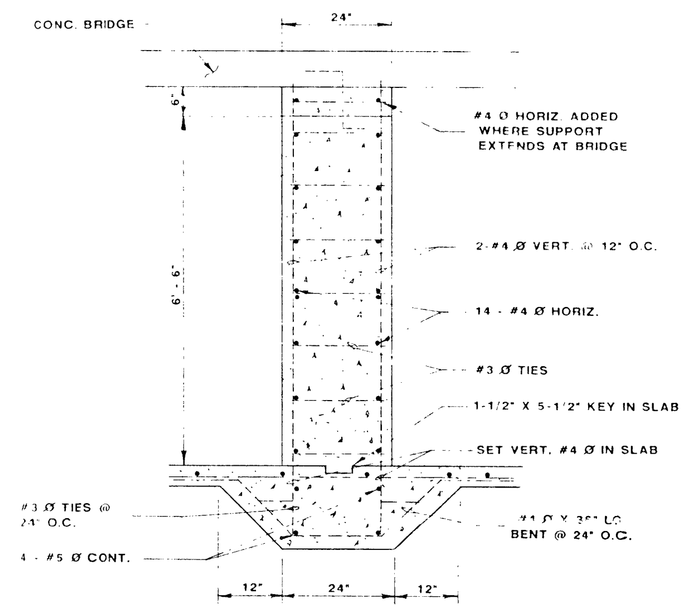
SPLITTER BOX PROFILE

1 2" = 1' - 0"



SECTION @ BRIDGE

1" = 1' - 0"



SECTION @ OUTBOARD COLUMN

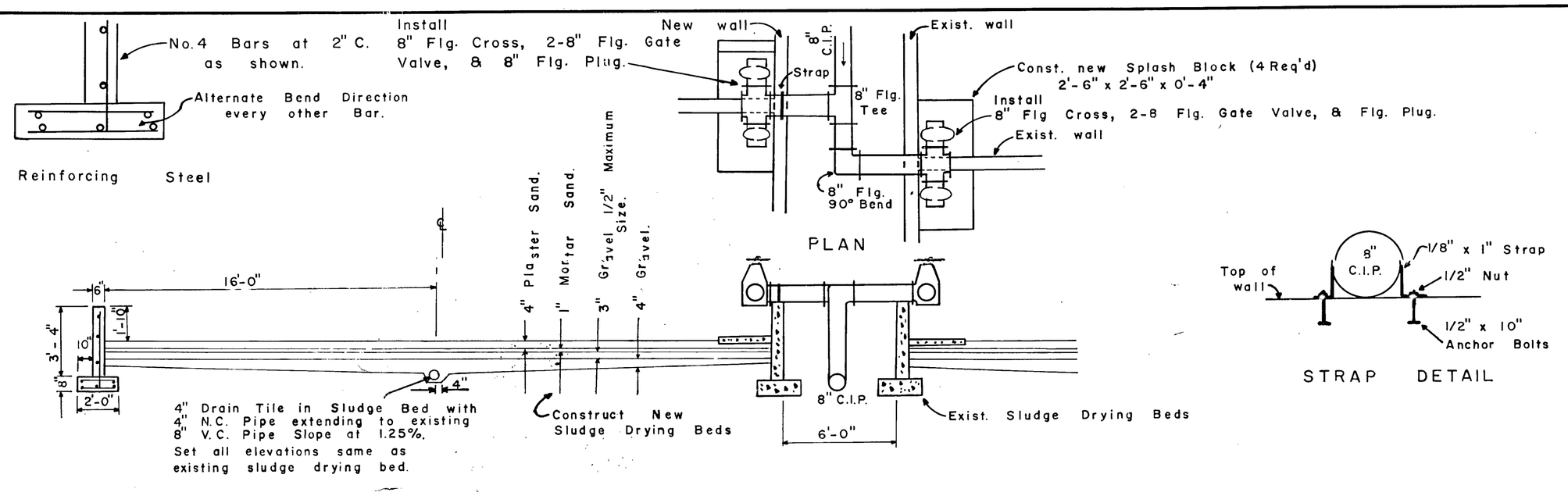
1/2" = 1' - 0"

REVISED JAN., 1992

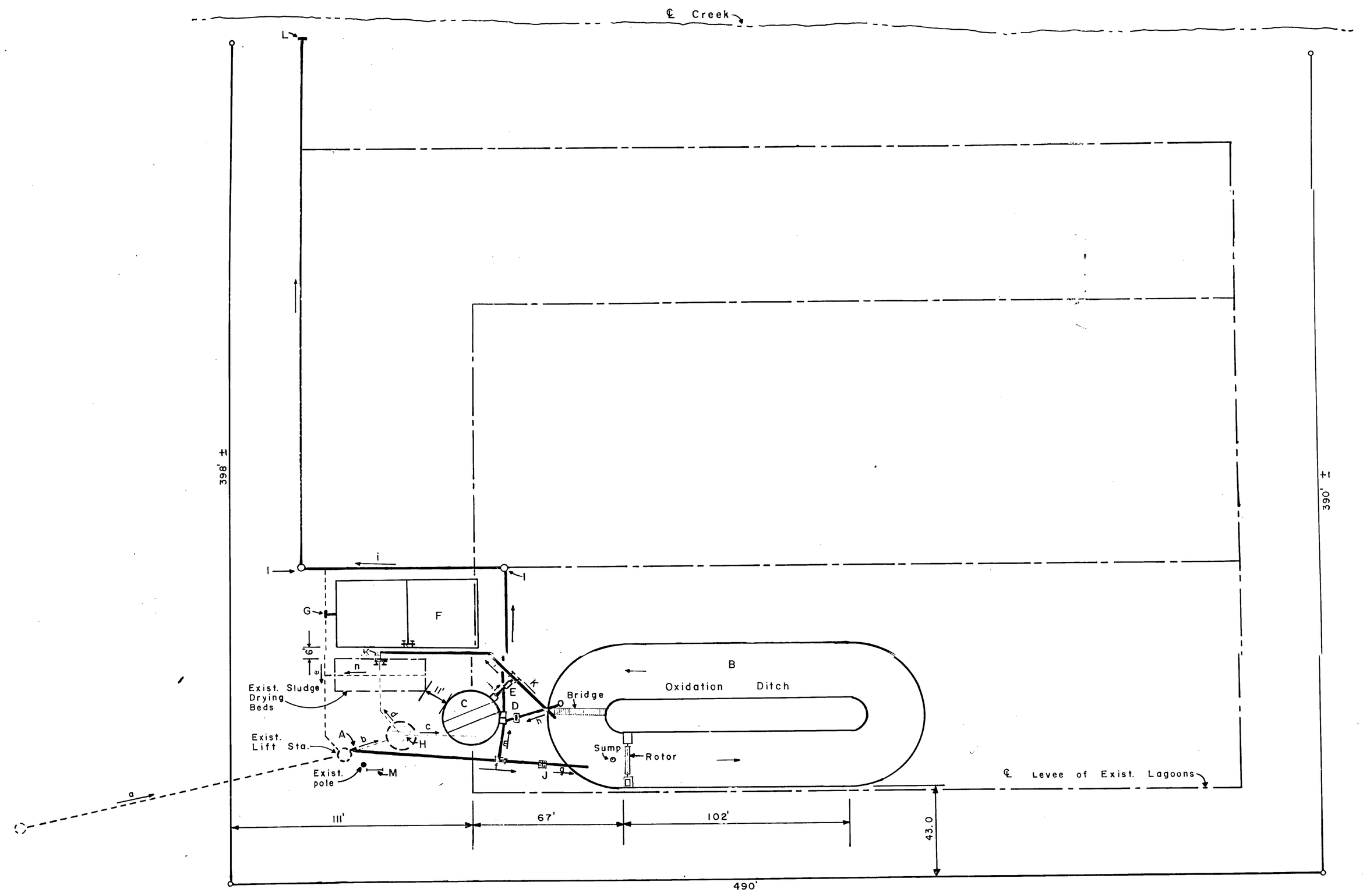
Clay & Leyendecker, Inc.
Consulting Engineers & Surveyors
Katy, Texas

CITY OF WALLER
OXIDATION DITCH ADDITION -
SEWAGE TREATMENT PLANT

Scale: AS SHOWN	
Tape no.	File no.
Dwn. By: D.T.	Date: OCT., 1991
Sheet Number 2	of 2



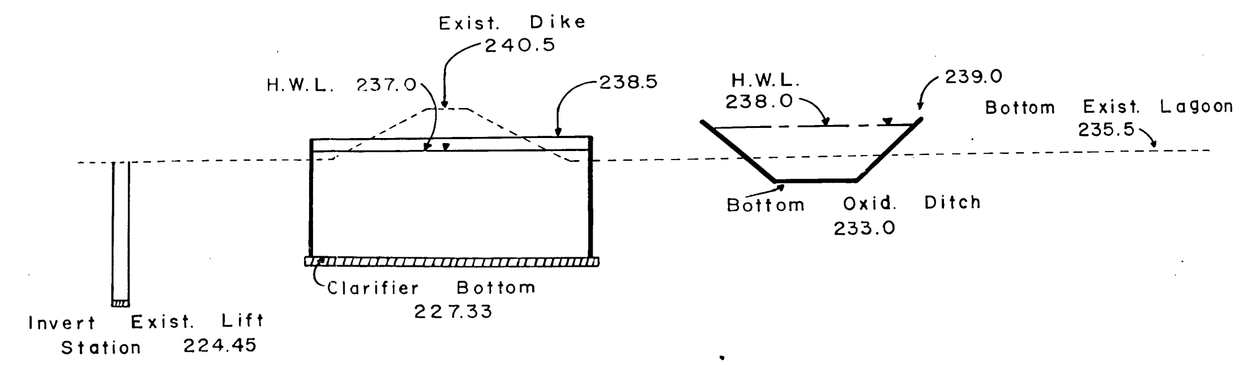
SECTION THRU SLUDGE DRYING BEDS



PLANT LAYOUT
1" = 30'

CONSTRUCTION NOTES

A. Connect new & exist 6" C.I.P. (Use 6" Tee & 45° Bend).
B. Construct Oxidation Ditch including earthwork.
C. Construct Mechanical Clarifier including earthwork.
D. Construct Hypochlorinator.
E. Construct Sludge Pump.
F. Construct New Sludge Drying Beds.
G. Connect new drying bed drain line exist 8" V.C.P.
H. Level & fill existing Imhoff Tank.
I. Construct standard 4' Diam. Manhole (2 Req'd).
J. Construct Bar Screen.
K. Provide sludge outlet & splash block on exist. drying beds.
L. Construct Concrete Headwall.
M. Construct new Electrical Panel.



PLANT ELEVATIONS
(not to scale)

PIPING LEGEND

a. Exist. 10" V.C.P. (Raw Inflow).
b. Exist. 6" C.I.P. Force Main : Abandon.
c. Exist. 6" C.I.P. : Abandon.
d. Exist. 8" C.I.P. Sludge Line : Abandon
e. Exist. 8" V.C.P.
f. Construct 6" C.I.P. Force Main : 85 L.F.
g. Construct 12" V.C.P. Raw Inflow Line : 20 L.F.
h. Construct 12" V.C.P. Mixed Liquor Line : 25 L.F.
i. Construct 12" V.C.P. Outflow Line : 410 L.F.
j. Construct 8" C.I.P. Sludge Withdrawal Line : 12 L.F.
k. Construct 8" C.I.P. Sludge Return Line : 25 L.F.
l. Construct 8" C.I.P. Sludge Disposal Line : 70 L.F.
m. Construct 6" C.I.P. Bypass Line : 18 L.F.
n. Exist. 4" V.C.P. Sludge Drainage Line.

Install Gate Valve on C.I.P. (2-6" & 6-8" Req'd, including Drying Beds).

RICHARD J. O'MALLEY & ASSOCIATES
Consulting Engineers
BRENHAM ☆ TEXAS

CHK'D	REVISION	MATERIAL
DATE	SCALE	DRAWING NO.
APP'D	DRAWN BY Vick	