

4009000086
WACS 39859

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

CERTIFICATION OF CONSTRUCTION COMPLETION
OF A SOLID WASTE MANAGEMENT FACILITY

D.E.P.

MAY 14 1996

SOUTHWEST DISTRICT
TAMPA

DER Construction Permit No.: SC FC09272928 County: Citrus

Name of Project: Leachate Storage Tank

Name of Owner: Citrus County

Name of Engineer: Steven N. Tsangaris, P.E. CH2M HILL

Type of Project: Construction of a Leachate Storage Tank

Cost: Estimated \$ 774,185 Actual \$ 774,185

Site Design: Quantity: N/A ton/day Site Acreage: 15.6 Acres

Population: N/A Dumping Fees: \$ N/A /Ton

Deviations from Plans and Application Approved by DER:

No significant deviations from construction plans. There were no change
orders issued on this contract.

Water Monitoring Data Submitted to DER, Date: N/A

Address and Telephone No. of Site: 230 W. Gulf to Lake Highway,
Lecanto, FL 34461 (352) 746-5000

Name(s) of Site Supervisor: Susan J. Metcalfe, P.G.

Date Site Inspection is requested: May 14, 1996

This is to certify that, with the exception of deviation noted above, the
construction of the project has been completed in accordance with the plans
authorized by Construction Permit No.: FC09272928 Dated: 5/13/96

Date: 5/13/96

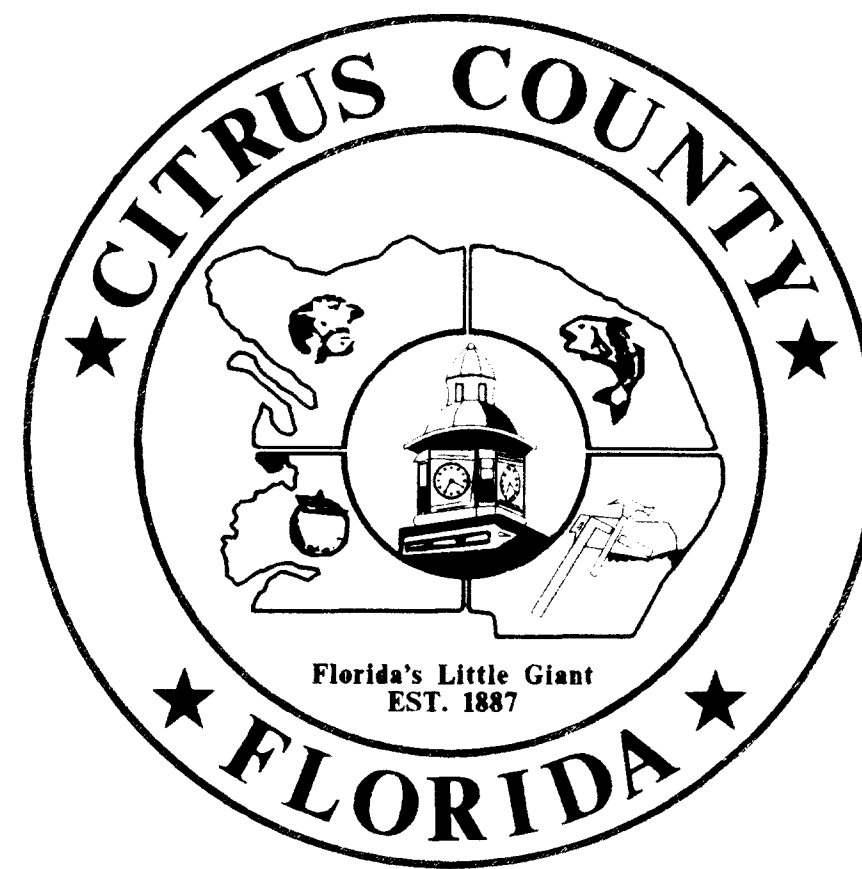
Steven N. Tsangaris
Signature of Professional Engineer

N/A = Not Applicable

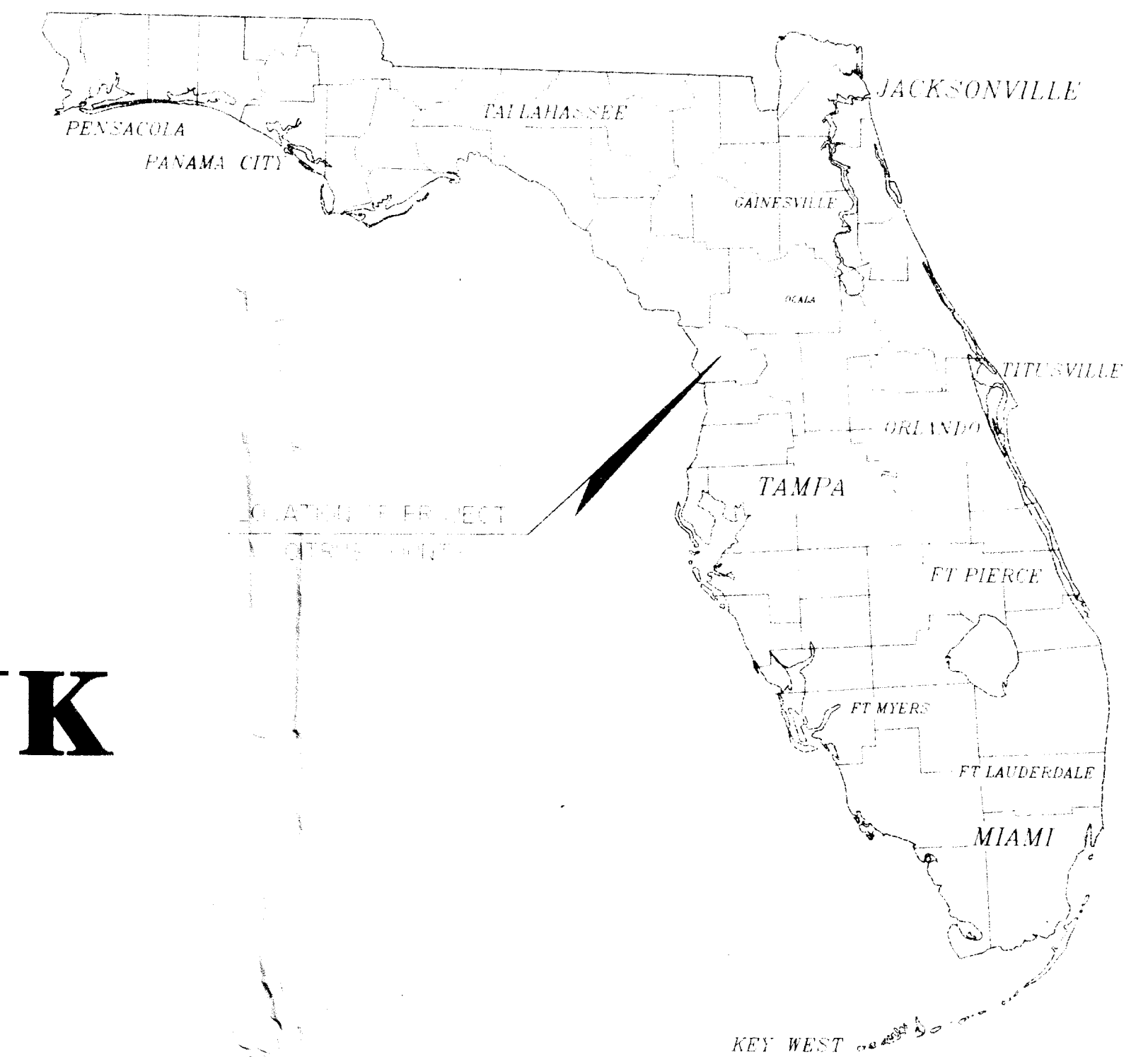
IMAGE QUALITY

AS YOU VIEW THE FOLLOWING
DOCUMENT, PLEASE NOTE THAT
PORTIONS OF THE ORIGINAL WERE OF
POOR QUALITY

SET NO. _____



CONSTRUCTION PLANS
FOR
**CITRUS COUNTY
CENTRAL LANDFILL**
FOR
LEACHATE STORAGE TANK



FLORIDA

BOARD OF COUNTY COMMISSIONERS

FRANK SCHIRALDI	DISTRICT 1
GARY BARTELL	DISTRICT 2
VICKI PHILLIPS	DISTRICT 3
JIM FOWLER	DISTRICT 4
BRAD THORPE	DISTRICT 5

COUNTY ADMINISTRATOR

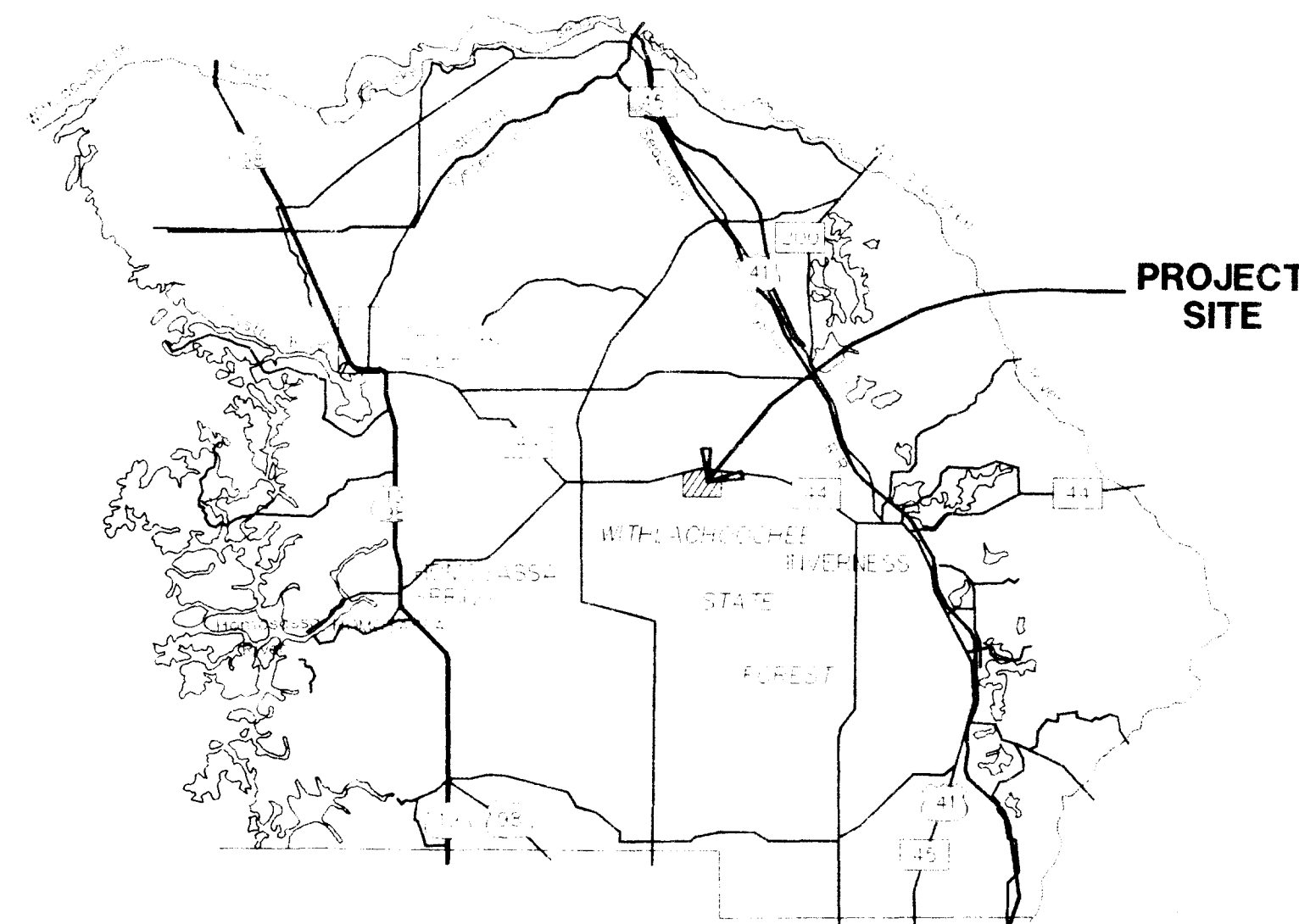
ANTHONY L. SHOEMAKER

**PUBLIC WORKS
DEPARTMENT DIRECTOR**

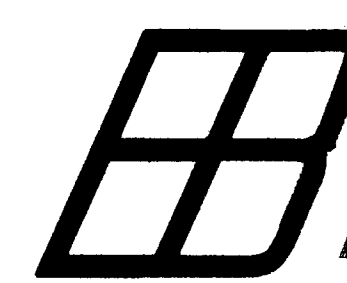
GARY W. KUHLMAN, P.E.

**SOLID WASTE MANAGEMENT
DIVISION DIRECTOR**

SUSAN J. METCALFE, P.G.

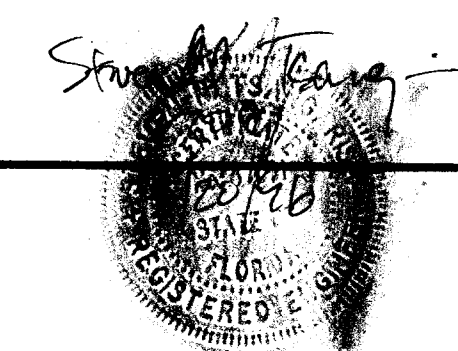


CITRUS COUNTY
LOCATION MAP

 **Berryman & Henigar**
BSI Consultants, Inc. ■ Henigar & Ray, Inc.

APRIL 7, 1995

PROJECT RECORD



CH2M HILL
P. O. BOX 21647
TAMPA, FLORIDA 33622-1647

D.E.P.
MAY 20 1996
SOUTHWEST DISTRICT
TAMPA

ENGINEERS CERTIFICATIONS

CIVIL/ENVIRONMENTAL

GEORGE J. McDONALD, P.E.
REGISTERED ENGINEER NO. 44740
STATE OF FLORIDA
DATE: _____

STRUCTURAL

DAVID BRITTAIN, P.E.
REGISTERED ENGINEER NO. 44740
STATE OF FLORIDA
DATE: _____

ABBREVIATIONS

SYMBOLS, STRUCTURES & FEATURES

VALVES, PIPES & FITTINGS

PIPE, JOINTS

BLACK IRON PIPE
BLACK STEEL PIPE
CAST IRON
CAST IRON PIPE
CAST IRON SOIL PIPE
CONCRETE PRESSURE PIPE
COPPER PIPE
CORRUGATED METAL PIPE
DUCTILE IRON PIPE
DUCTILE IRON
EXPANSION
FLANGE END
GALVANIZED STEEL
JOINT
MECHANICAL JOINT
POLYETHYLENE PIPE
POLYVINYLCHLORIDE
REINFORCED CONCRETE PIPE
PUSH-ON JOINT
STEEL PIPE
TIED JOINT
VITRIFIED CLAY PIPE
METAL REINFORCED PLASTIC PIPE
RESTRAINED JOINT
WALL SLEEVE
WALL PIPE (WITH WATER STOP)

SYMBOLS

B.I.P.
B.S.P.
C.I.
C.I.P.
C.I.S.P.
C.P.P.
C.O.P.
C.M.P.
D.I.P.
D.I.
EXP.
F.E.
G.S.
J.T.
M.J.
P.L.O.Y.P.
P.V.C.
R.C.P.
P.J.
S.T.L.P.
T.J.
V.C.P.
M.R.P.P.
R.J.
W.S.
W.P.

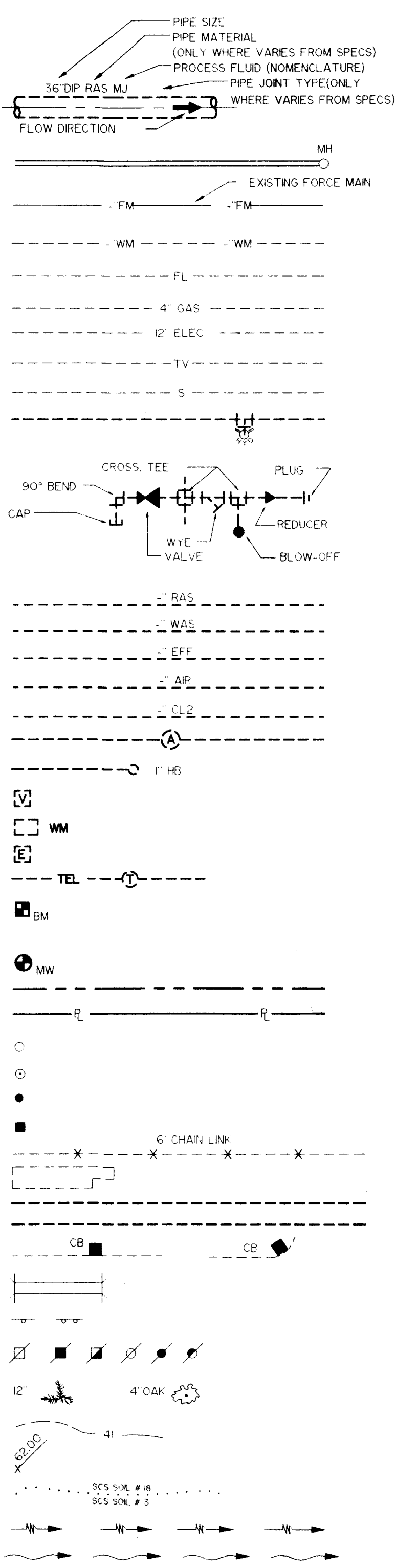
GENERAL

ADJUSTABLE
ANGLE
APPROXIMATE
BENCH MARK
BETWEEN
BOTTOM OF SLAB
BUILDING
CAPACITY
CENTER LINE
CENTER TO CENTER
CLEANOUT
CONCRETE
CONDITION
CONTINUATION
CONNECTION
CUBIC FOOT
CUBIC INCH
CUBIC YARD
DEGREE
DIAMETER
DIAGONAL
DIMENSION
DISCHARGE
DRAWING
EACH
EACH WAY
EACH FACE
EFFLUENT
ELEVATION
EQUIPMENT
EXISTING
FINISH
FINISH FLOOR
FLEXIBLE
FLOOR DRAIN
GAUGE
HIGH
HIGH POINT
HIGH WATER LEVEL
HORIZONTAL
HORSEPOWER
INFILTRANT
INSIDE DIAMETER
INTERMEDIATE
LINEAR FOOT
LONG
LOW WATER LEVEL
LOW POINT
MANHOLE
MANUFACTURER
MATERIAL
MAXIMUM
MECHANICAL
MINIMUM
MOUNTED
NOMINAL
NOT IN CONTRACT
NOT TO SCALE
NUMBER
ON CENTERS
OPERATOR
OPTION
OPPOSITE
OPENING
OR EQUAL
OUTSIDE DIAMETER
PLATE
POINT
POUND
PRESSURE
PROPOSED
RADIUS
REINFORCED FIBER PLASTIC
REQUIRED
RETURN ACTIVATED SLUDGE
RETURN EFFLUENT WATER
RIGHT OF WAY
ROOM
REVOLUTIONS PER MINUTE
SECTION
SHEET
SIDEWALK
SIMILAR
SPECIFICATIONS
SQUARE
SQUARE FOOT
SQUARE INCH
SQUARE YARD
STAINLESS STEEL
STANDARD
STANDARD DIMENSION RATIO
STATION
STEEL
SYMMETRICAL
TEMPORARY
THICK
THREADED
TOP OF CONCRETE
TOP OF SLAB
TYPICAL
UNLESS NOTED OTHERWISE
VERTICAL
VENT
VENT THROUGH ROOF
WASTE ACTIVATED SLUDGE
WATER LEVEL
WEATHERPROOF
WIDE

SYMBOLS

ADJ.
Z
APPROX.
B.M.
BTWN.
B.O.S.
BLDG.
CAP.
G.
C.C.
C.O.
CONC.
COND.
CONT.
CONN.
CU. FT.
CU. IN.
CU. YD.
DEG.
DIA.
DIAG.
DIM.
DISC.
DWG.
EA.
E.W.
E.F.
EFF.
EL., ELEV.
EQUIP.
EXIST.
FIN.
F.F.
FLEX.
F.D.
GA.
H.
H.P.T.
H.W.L.
HORIZ.
H.P.
INF.
ID.
INT.
L.F.
L.G.
L.
L.W.L.
L.P.T.
M.H.
MFR.
MTL.
MAX.
MECH.
MIN.
MTD.
NOM.
N.I.C.
N.T.S.
NO., #
O.C.
OPER.
OPT.
OPNG.
O/E.
O.D.
PL.
PT.
LB.
PRES.
PROP.
RAD., R.
R.F.P.
REQD.
R.A.S.
R.E.W.
R/W, R.O.W.
RM.
R.P.M.
SEC.
SH., SHT.
SDWK.
SIM.
SPECS.
SQ.
SQ. FT.
SQ. IN.
SQ. YD.
SS.
STD.
S.D.R.
STA.
STL.
SYMM.
THK.
THD.
T.O.C.
T.O.S.
TYP.
U.N.O.
VERT.
VT.
V.T.R.
W.A.S.
W.L.
WPF.
W.

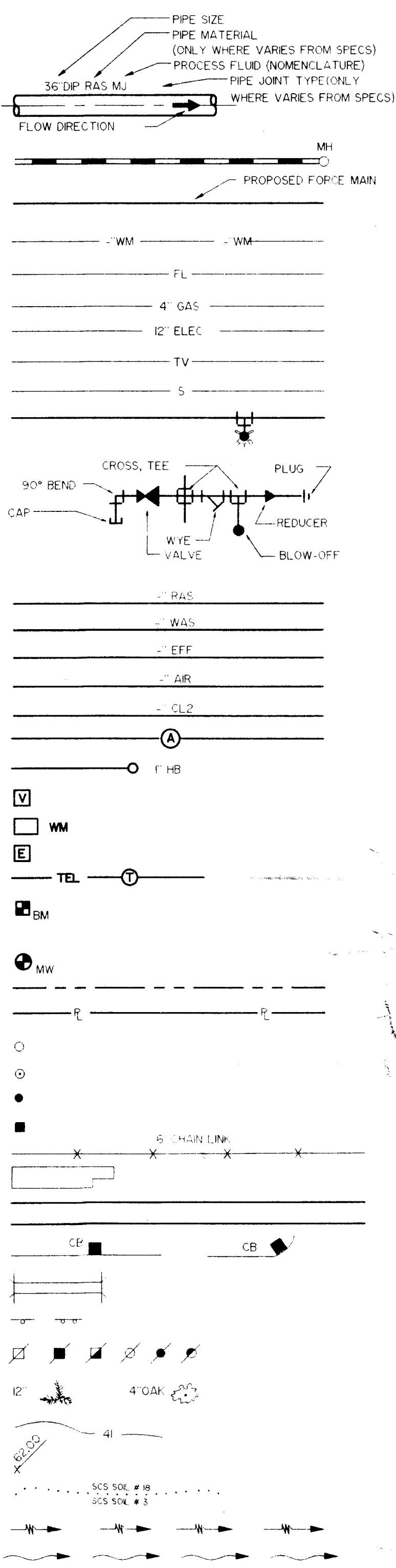
EXISTING



DESCRIPTION

TYPICAL PIPE IDENTIFICATION
SANITARY SEWER AND MANHOLE
SANITARY SEWER FORCE MAIN
WATER MAIN
FUEL LINE
GAS LINE
ELECTRIC CABLE/DUCT BANK
TELEVISION CABLE
SIGNAL LINE
FIRE HYDRANT ASSEMBLY (INCLUDES VALVE)
GENERAL PIPING, VALVES, AND FITTINGS
RETURN ACTIVATED SLUDGE
WASTE ACTIVATED SLUDGE
EFFLUENT WATER
AIR PIPING
CHLORINE SOLUTION LINE
AIR RELEASE VALVE
HOSE BIBB / CONNECTION, SIZE
VALVE VAULT
WATER METER
ELECTRIC MANHOLE/VAULT
TELEPHONE CABLE, MANHOLE/VAULT & BOX
BENCHMARK
TEST BORING
MONITOR WELL
RIGHT OF WAY (R/W)
PROPERTY LINE (P.L.)
IRON ROD & CAP
PK NAIL & CAP
#5 IRON ROD & CAP
4"X4" CM
FENCE, SIZE & TYPE
BUILDING/STRUCTURE
PAVEMENT, SIZE & TYPE
CATCH BASIN
CULVERT
SIGNS
POLE, POWER POLE & COMBINATION POLE
TREE, SIZE & TYPE
CONTOURS
SPOT ELEVATIONS
CONTOURS
STORM WATER FLOW
STREAM (SMALL)/DITCH, SWALE

PROPOSED



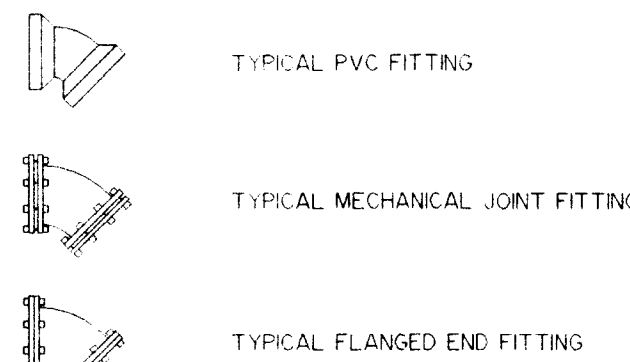
SYMBOLS

NEW
EXIST.
UNCLASSIFIED, TYPE AS SHOWN ON THE DRAWINGS ADJACENT TO SYMBOL
FLOW METER
TELESCOPING VALVE
UNION (UN)
QUICK CONNECT COUPLING
PRESSURE CONTROL VALVE
VALVE WITH HOSE END
VACUUM VALVE
GATE VALVE
KNIFE GATE VALVE
SILENT CHECK VALVE (GLOBE STYLE)
BALL VALVE
3-WAY BALL VALVE
4-WAY BALL VALVE
CONE VALVE
NEEDLE VALVE
PINCH VALVE
DIAPHRAGM VALVE
BUTTERFLY VALVE
PLUG VALVE
3-WAY PLUG VALVE
4-WAY PLUG VALVE
CHECK VALVE, GENERAL SYMBOL
BALL CHECK VALVE
DOUBLE DOOR CHECK VALVE
SOLENOID VALVE
3-WAY SOLENOID VALVE
4-WAY SOLENOID VALVE
FLAP VALVE
SHEAR GATE
MUD VALVE
CYLINDER ACTUATOR
DIAPHRAGM ACTUATOR
ELECTRIC MOTOR ACTUATOR
SOLENOID ACTUATOR
REDUCER OR REDUCING BUSHING
RUPTURE DISK
Y-STRAINER
DIRECTION OF FLOW
PULSATION DAMPENER
FLEXIBLE CONNECTION
PLAIN END PIPE COUPLING
FLEXIBLE COUPLING
PIPE DOWN
PIPE UP

DESCRIPTION

UNCLASSIFIED, TYPE AS SHOWN ON THE DRAWINGS ADJACENT TO SYMBOL
FLOW METER
TELESCOPING VALVE
UNION (UN)
QUICK CONNECT COUPLING
PRESSURE CONTROL VALVE
VALVE WITH HOSE END
VACUUM VALVE
GATE VALVE
KNIFE GATE VALVE
SILENT CHECK VALVE (GLOBE STYLE)
BALL VALVE
3-WAY BALL VALVE
4-WAY BALL VALVE
CONE VALVE
NEEDLE VALVE
PINCH VALVE
DIAPHRAGM VALVE
BUTTERFLY VALVE
PLUG VALVE
3-WAY PLUG VALVE
4-WAY PLUG VALVE
CHECK VALVE, GENERAL SYMBOL
BALL CHECK VALVE
DOUBLE DOOR CHECK VALVE
SOLENOID VALVE
3-WAY SOLENOID VALVE
4-WAY SOLENOID VALVE
FLAP VALVE
SHEAR GATE
MUD VALVE
CYLINDER ACTUATOR
DIAPHRAGM ACTUATOR
ELECTRIC MOTOR ACTUATOR
SOLENOID ACTUATOR
REDUCER OR REDUCING BUSHING
RUPTURE DISK
Y-STRAINER
DIRECTION OF FLOW
PULSATION DAMPENER
FLEXIBLE CONNECTION
PLAIN END PIPE COUPLING
FLEXIBLE COUPLING
PIPE DOWN
PIPE UP

TYPICAL FITTING SYMBOLS



VALVES, FITTINGS, ETC.

AIR CUSHION CHECK VALVE
AIR RELEASE VALVE
BALL CHECK VALVE
BALL VALVE
BLIND FLANGE
BURIED GEAR OPERATOR
BUTTERFLY VALVE
CHECK VALVE
ELECTRIC VALVE ACTUATOR
ELEVATED GEAR OPERATOR
FIRE HYDRANT
FITTING
FLANGED ADAPTOR
FLEXIBLE COUPLING
GATE VALVE
HARNESSED FLANGED COUPLING ADAPTER
HYDRAULIC VALVE ACTUATOR
KNIFE GATE VALVE
PLASTIC BALL VALVE
PLUG VALVE
REDUCER
SILENT CHECK VALVE

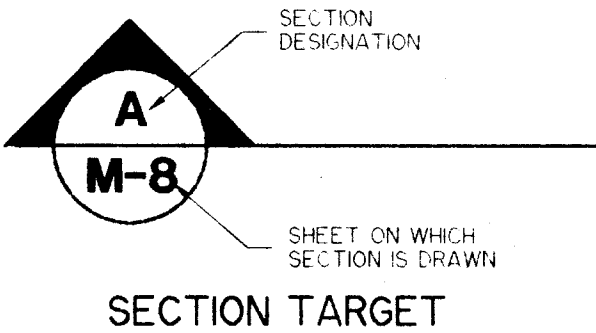
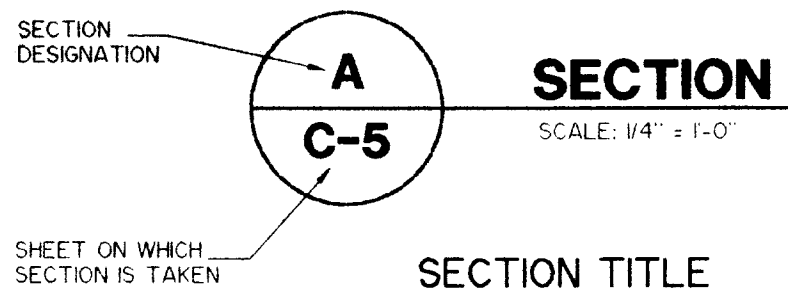
A.C.C.V.
A.R.V.
B.A.C.V.
B.A.V.
B.F.
B.G.O.
B.V.
C.V.
E.V.A.
E.G.O.
F.H.
F.T.G.
F.C.
G.V.
H.F.C.A.
H.V.A.
K.G.V.
P.B.A.V.
P.V.
RED.
S.C.V.

STRUCTURAL PLANS AND DETAILS

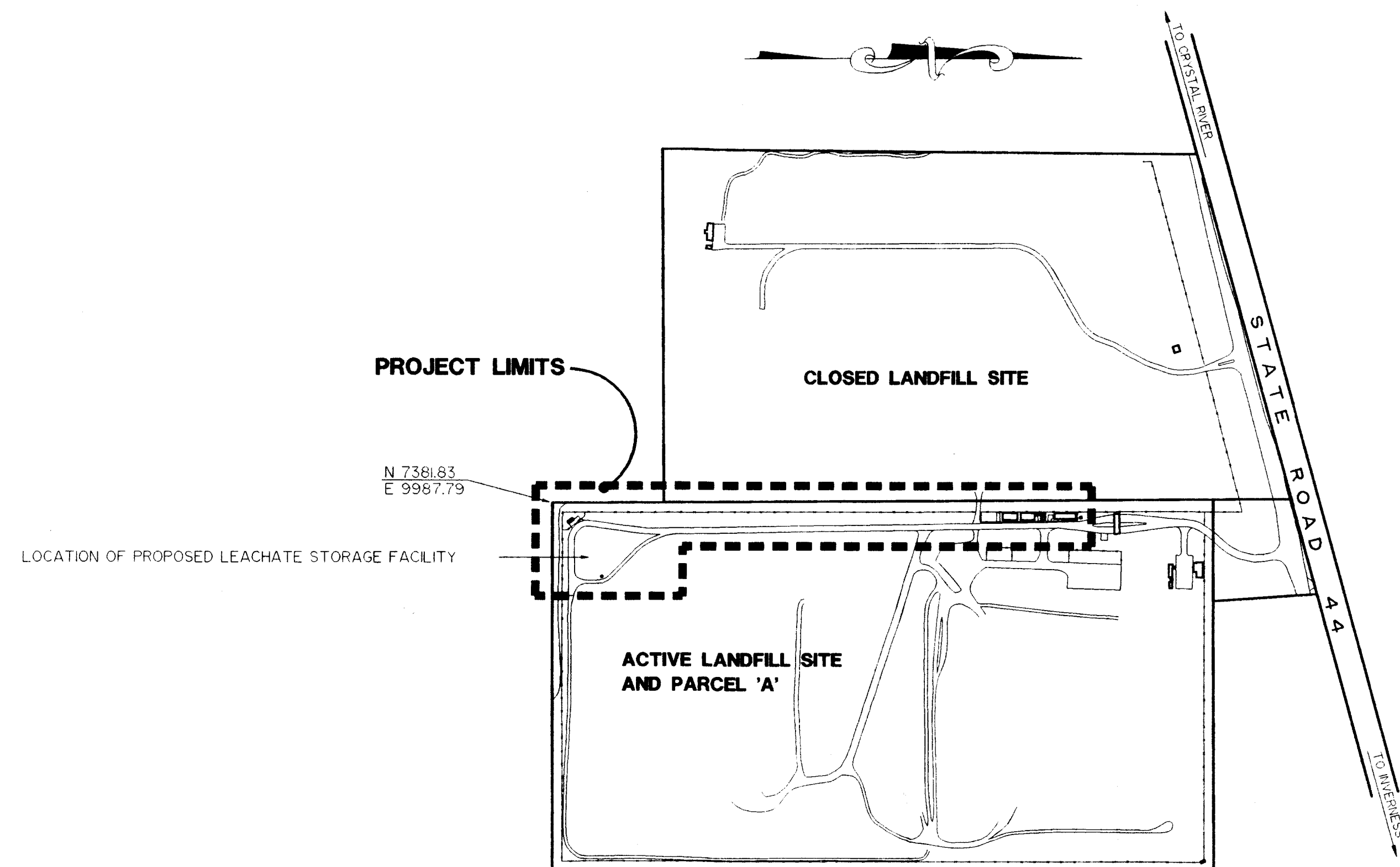
ALUM.
BUILDING
BOTTOM
CONTROL JOINT
CONCRETE MASONRY UNIT
CONCRETE
CONSTRUCTION JOINT
CONTINUOUS
DIAMETER
DRAWING
EACH FACE
EXPANSION JOINT
ELEVATION
EACH WAY
FAR FACE
FOOTING
HORIZONTAL
HIGH POINT
INSIDE DIAMETER
LOW POINT
MATERIAL
MAXIMUM
MINIMUM
MISCELLANEOUS
MANUFACTURER
NEAR FACE
NOT TO SCALE
ON CENTER
POUNDS PER LINEAR FOOT
PROJECTION
POUNDS PER SQUARE FOOT
POUNDS PER SQUARE INCH
SIMILAR
SPECIFICATIONS
STAINLESS STEEL
STANDARD
REINFORCEMENT
TOP AND BOTTOM
TOP OF FOOTING
TOP OF WALL
TYPICAL
UNLESS NOTED
VERTICAL
WELDED WIRE FABRIC

ALUM.
BLDG
BOT
CJ
CMU
CONC
CONST. JT
CONT
DIA
DWG
EF
EJ
EL
EW
FF
FTG
HORIZ
H.P.T.
ID
LP
MATL
MAX
MIN
MISC
MFR
NF
NTS
OC
PLF
PROJ
PSF
PSI
SIM
SPECS
SS
STD
REINF
T&B
TOF
TOW
TYP
UN
VERT
WWF

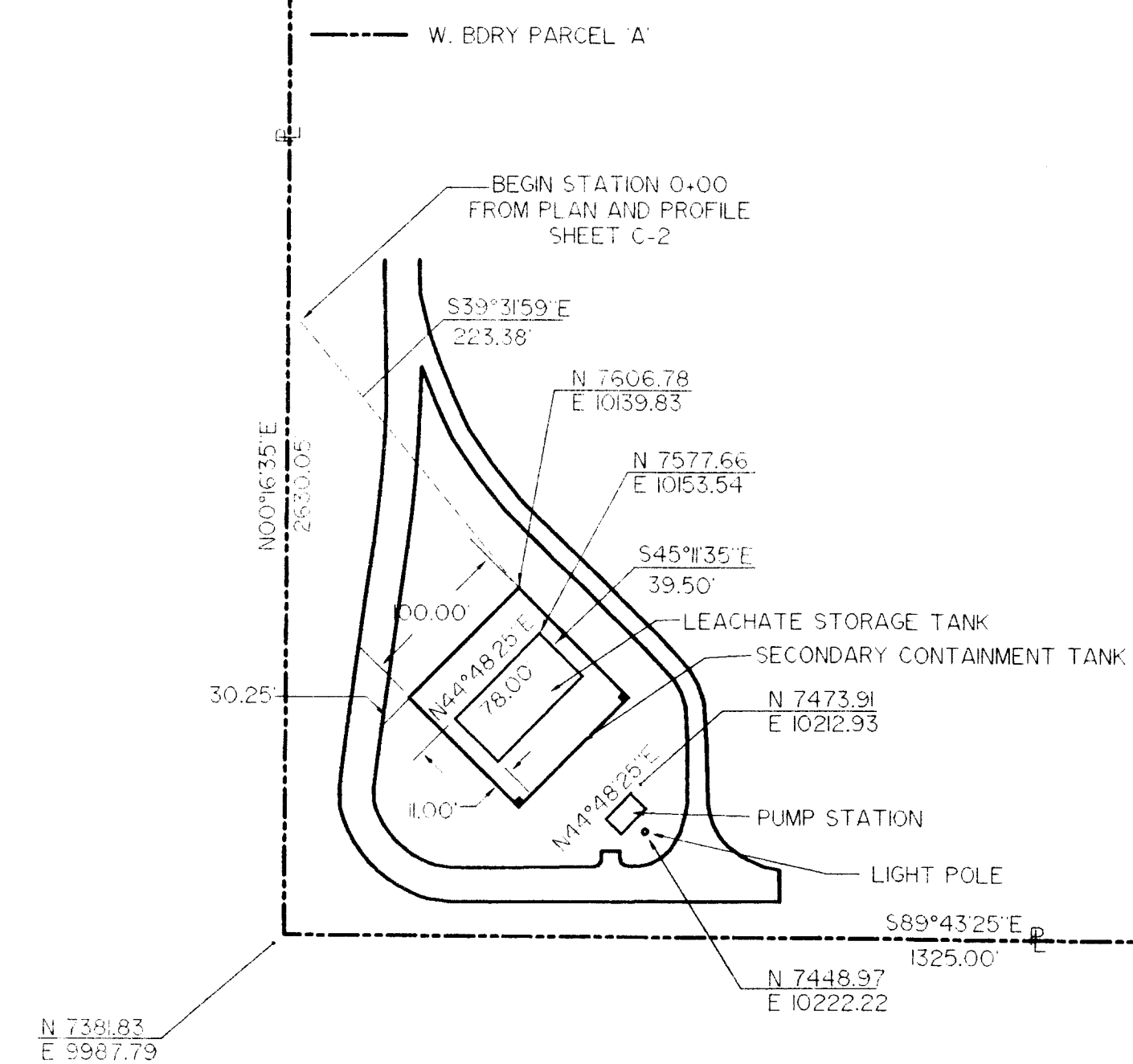
PROJECT RECORD



DESIGNED: JLS	Berryman & Henigar BSI Consultants, Inc. • Henigar & Ray, Inc. 640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551	CITRUS COUNTY CENTRAL LANDFILL LEACHATE STORAGE TANK		STANDARD SYMBOLS AND ABBREVIATIONS	JOB NO. 45085 FILE NO. 5A-345 SEC. 1 TWP 19S RGE 18E SHT. 6-3
DRAWN: JLS					
CHECKED: GJM					
DATE: JAN. 1995					

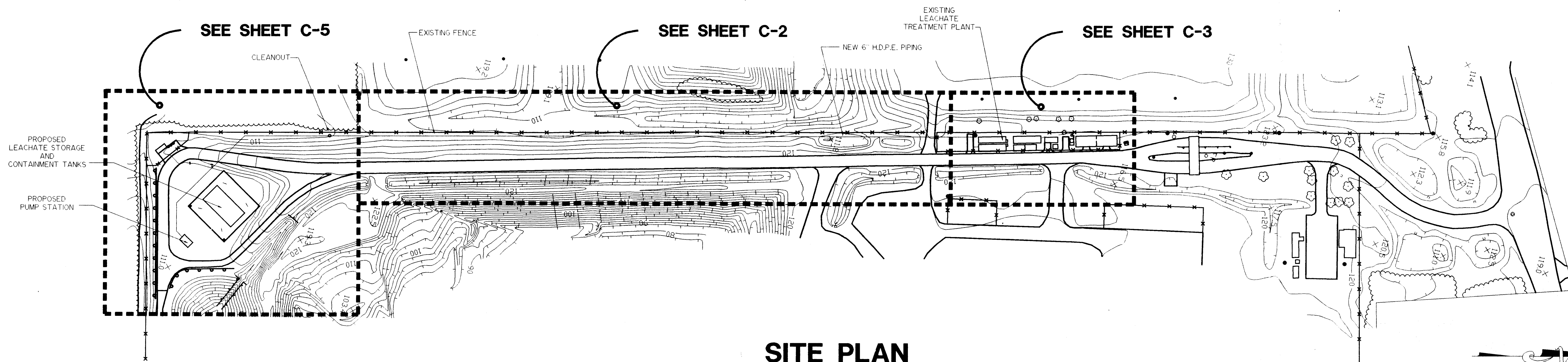


PLOT PLAN
NOT TO SCALE



GEOMETRY PLAN
SCALE: 1" = 100'

NOTE:
NORTHING AND EASTING SHOWN ON THIS SHEET ARE BASED ON STATE PLANE COORDINATES.



SITE PLAN
SCALE: 1" = 100'

PROJECT RECORD

DESIGNED J.J.S.
DRAWN J.J.S.
CHECKED G.J.M.
DATE APRIL 7, 1995

Berryman & Henigar
BSI Consultants, Inc. ■ Henigar & Ray, Inc.
640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551

NO.	DATE	REVISION	APP'D. BY
3/1/95		GENERAL REVISION	A.D.M.

**CITRUS COUNTY CENTRAL LANDFILL
LEACHATE STORAGE TANK**

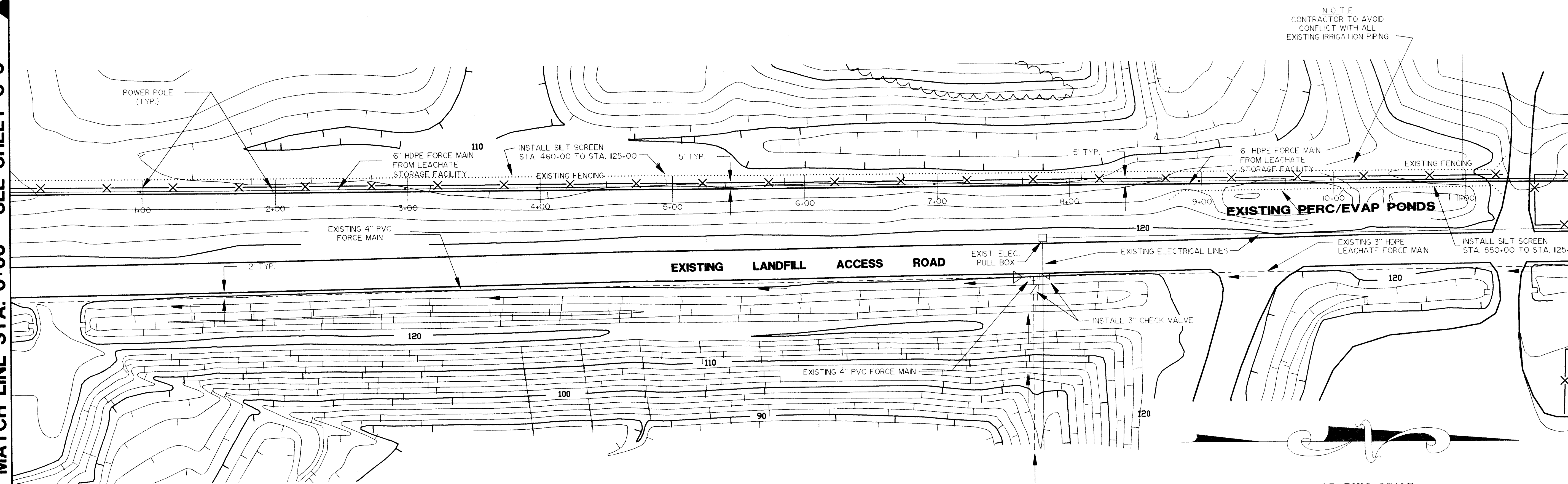
SITE AND GEOMETRY PLAN

GEORGE J. McDONALD, P.E.
REGISTERED ENGINEER NO. 44740
STATE OF FLORIDA
DATE

JOB NO. 45085
FILE NO. 5A-345
SEC. 1
TWP 19S RGE 18E
SHT. C-1

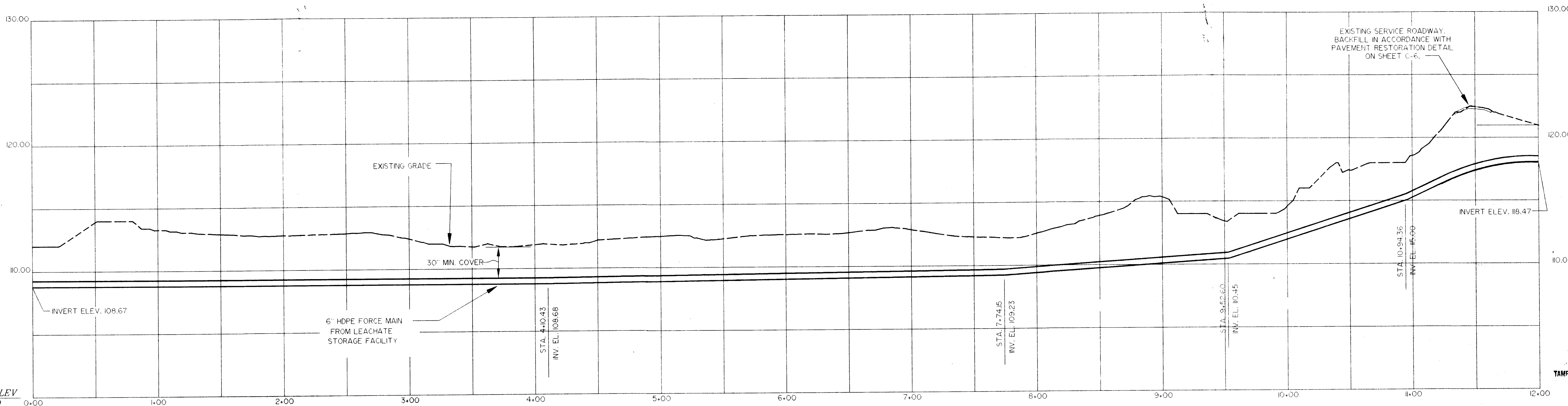
MATCH LINE STA. 0+00 - SEE SHEET C-5

MATCH LINE STA. 12+00 - SEE SHEET C-3



PLAN

SCALE: 1" = 40'



PROFILE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

NOTE:
ALL ELEVATIONS SHOWN ARE REFERENCED TO NGVD.

NOTE:
CONTRACTOR TO MAINTAIN UNIFORM GRADE ON FORCE MAIN BETWEEN ELEVATION CALL-OUTS.

PROJECT RECORD

DESIGNED: KC
DRAWN: KC
CHECKED: GJM
DATE: APRIL 7, 1995

Berryman & Henigar
BSI Consultants, Inc. • Henigar & Ray, Inc.
640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551

NO.	DATE	REVISION	APP'D. BY
1	3/1/95	GENERAL REVISION	A.D.M.

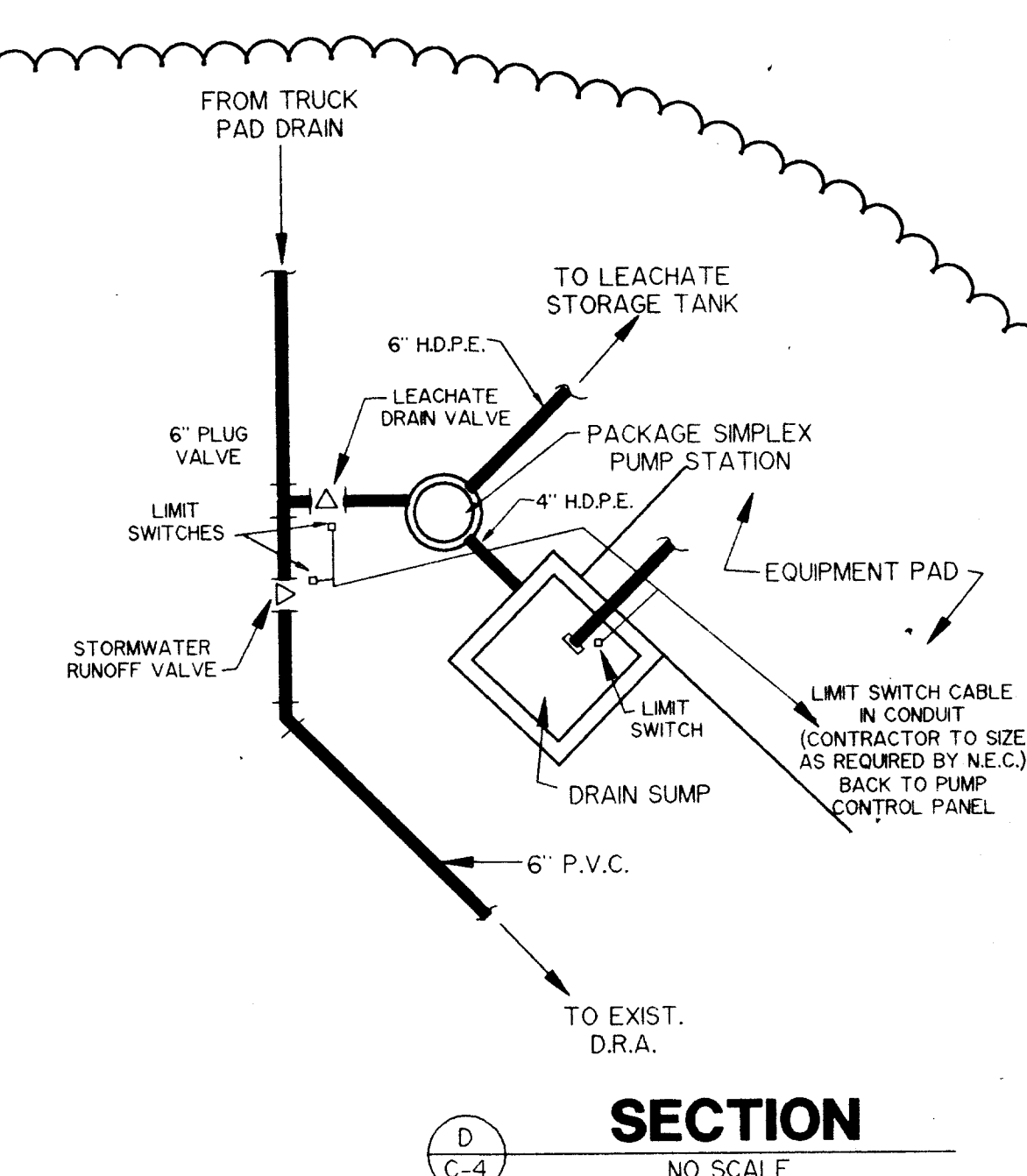
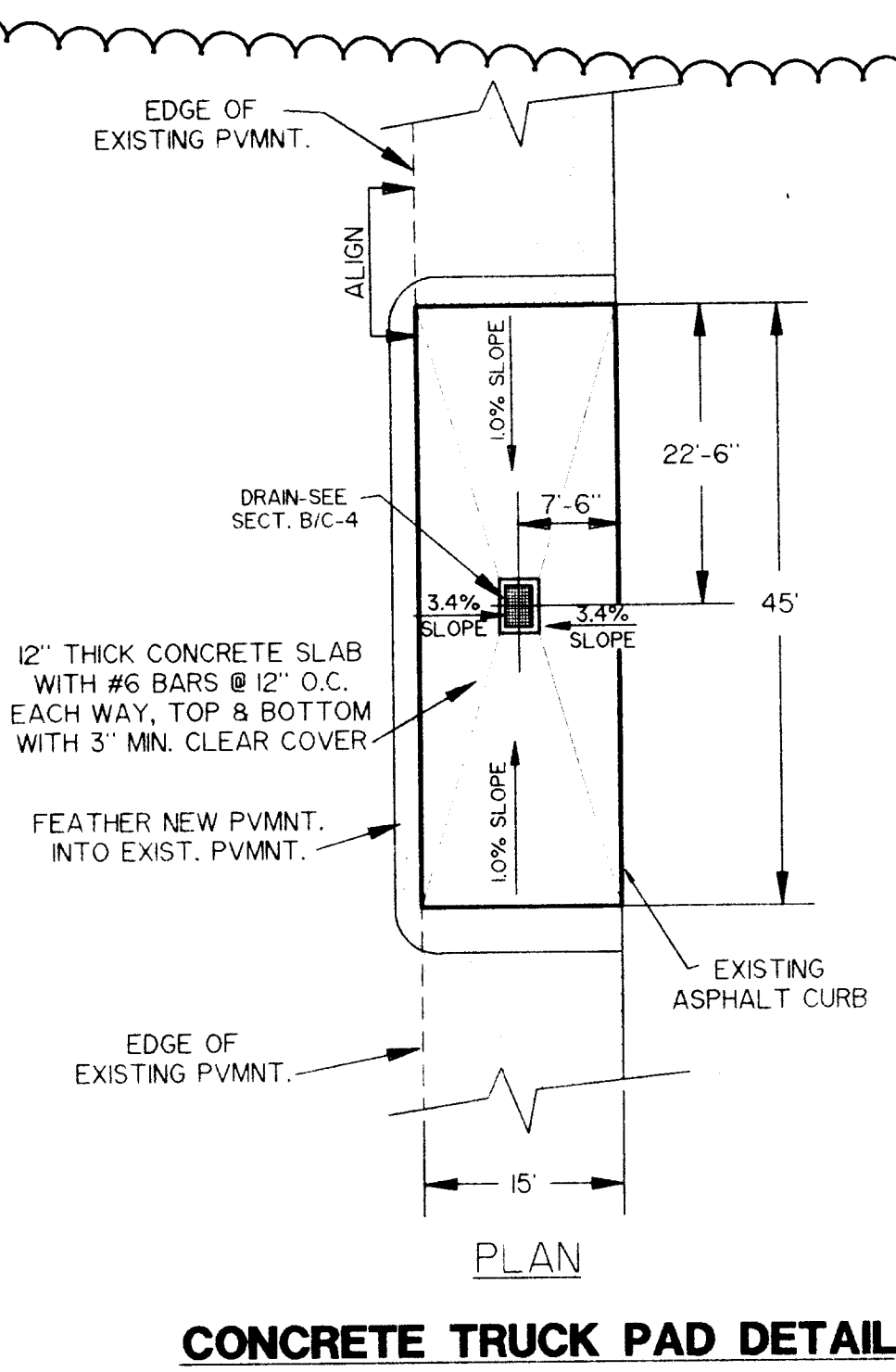
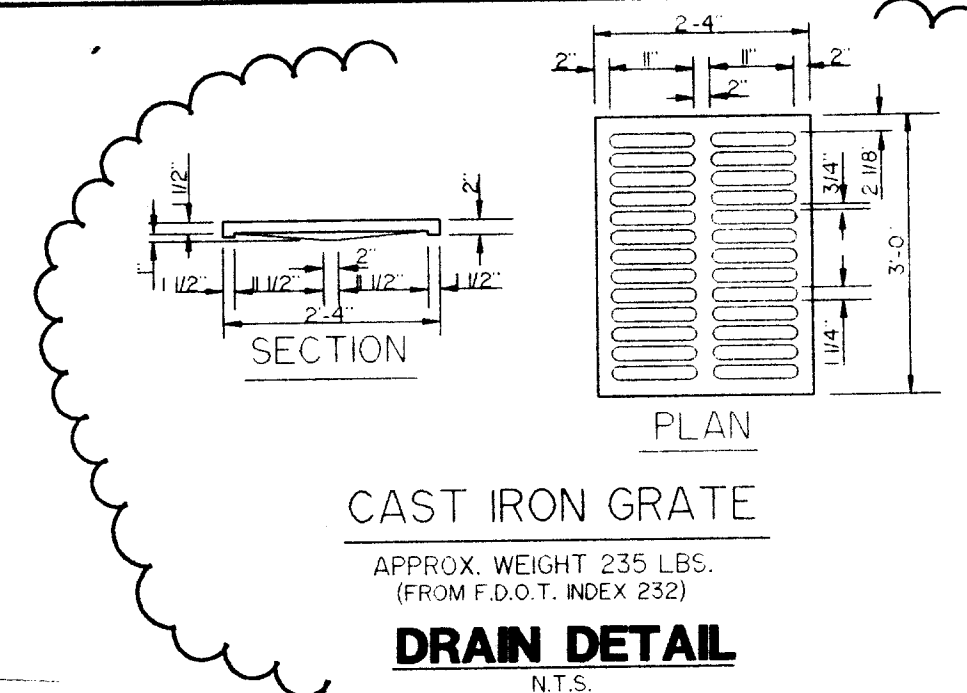
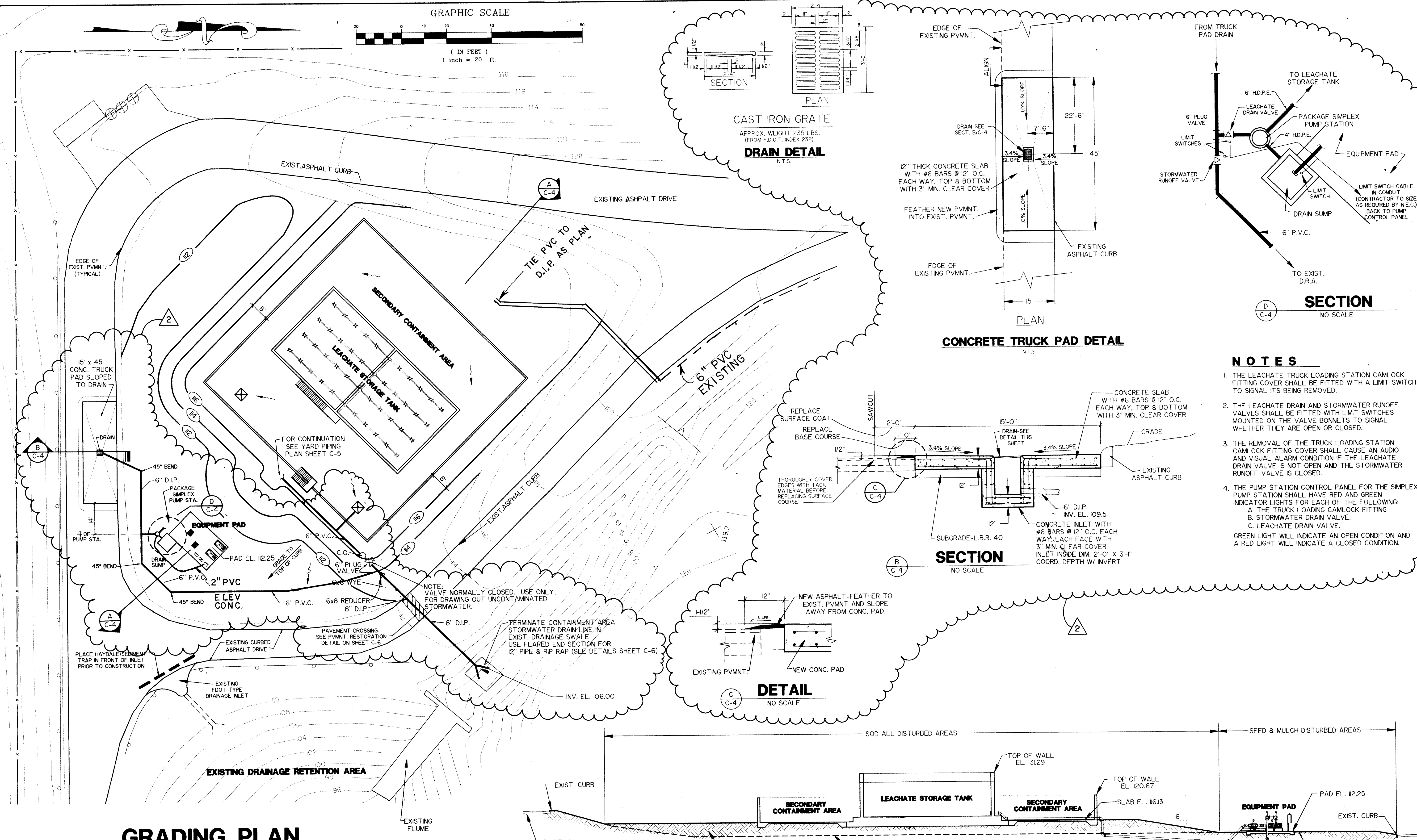
**CITRUS COUNTY CENTRAL LANDFILL
LEACHATE STORAGE TANK**

**FORCE MAIN
PLAN AND PROFILE
STA. 0+00 to 12+00**

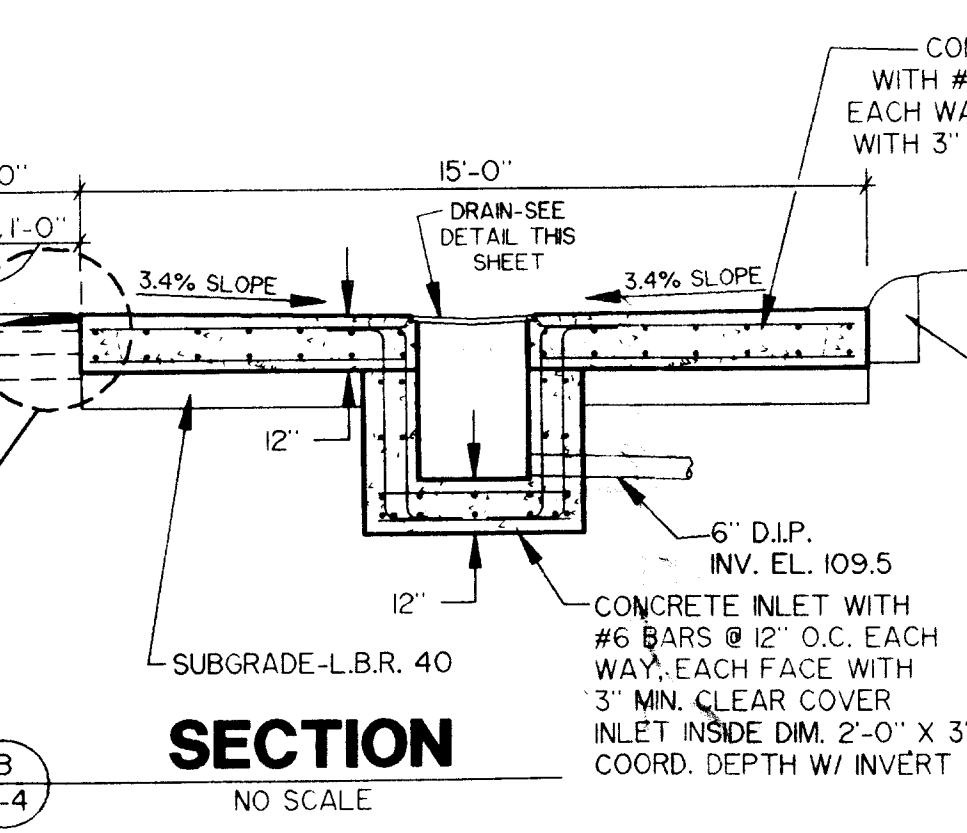
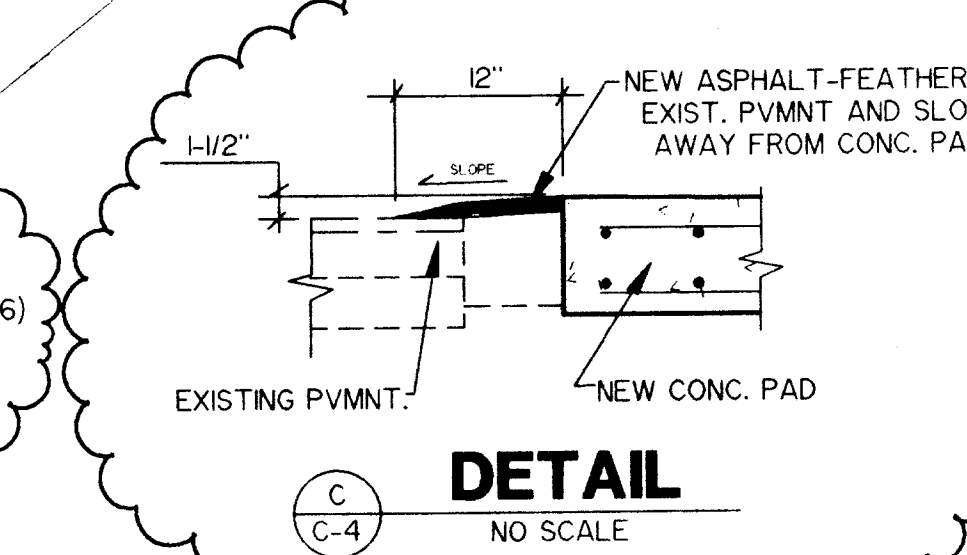
GEORGE J. McDONALD, P.E.
REGISTERED ENGINEER NO. 44740
STATE OF FLORIDA
DATE

JOB NO. 45085
FILE NO. 5A-345
SEC. 1
TWP 19S RGE 18E
SHT. C-2

CH2M HILL
P.O. BOX 21607
TAMPA, FLORIDA 33622-1607



- NOTES**
1. THE LEACHATE TRUCK LOADING STATION CAMLOCK FITTING COVER SHALL BE FITTED WITH A LIMIT SWITCH TO SIGNAL ITS BEING REMOVED.
 2. THE LEACHATE DRAIN AND STORMWATER RUNOFF VALVES SHALL BE FITTED WITH LIMIT SWITCHES MOUNTED ON THE VALVE BONNETS TO SIGNAL WHETHER THEY ARE OPEN OR CLOSED.
 3. THE REMOVAL OF THE TRUCK LOADING STATION CAMLOCK FITTING COVER SHALL CAUSE AN AUDIO AND VISUAL ALARM CONDITION IF THE LEACHATE DRAIN VALVE IS NOT OPEN AND THE STORMWATER RUNOFF VALVE IS CLOSED.
 4. THE PUMP STATION CONTROL PANEL FOR THE SIMPLEX PUMP STATION SHALL HAVE RED AND GREEN INDICATOR LIGHTS FOR EACH OF THE FOLLOWING:
 - A. THE TRUCK LOADING CAMLOCK FITTING
 - B. STORMWATER DRAIN VALVE
 - C. LEACHATE DRAIN VALVE
 GREEN LIGHT WILL INDICATE AN OPEN CONDITION AND A RED LIGHT WILL INDICATE A CLOSED CONDITION.



GRADING PLAN

SCALE: 1" = 20'

- NOTES**
1. EXISTING TOPOGRAPHY BASED ON DATA FURNISHED BY CH2M HILL.
 2. EXISTING TOPOGRAPHY MAY HAVE CHANGED DUE TO ON-SITE ACTIVITIES. THE CONTRACTOR SHALL FIELD VERIFY EXISTING TOPOGRAPHY PRIOR TO CONSTRUCTION.

PROJECT RECORD

**CITRUS COUNTY CENTRAL LANDFILL
LEACHATE STORAGE TANK**

**LEACHATE TANK
GRADING PLAN**

CH2M HILL
P.O. BOX 21647
TAMPA, FLORIDA 33621-0647

GEORGE J. McDONALD, P.E.
REGISTERED ENGINEER NO. 44740
STATE OF FLORIDA
DATE

JOB NO. 45085
FILE NO. 5A-345
SEC. 1
TWP 19S RGE 18E
SHT C-4

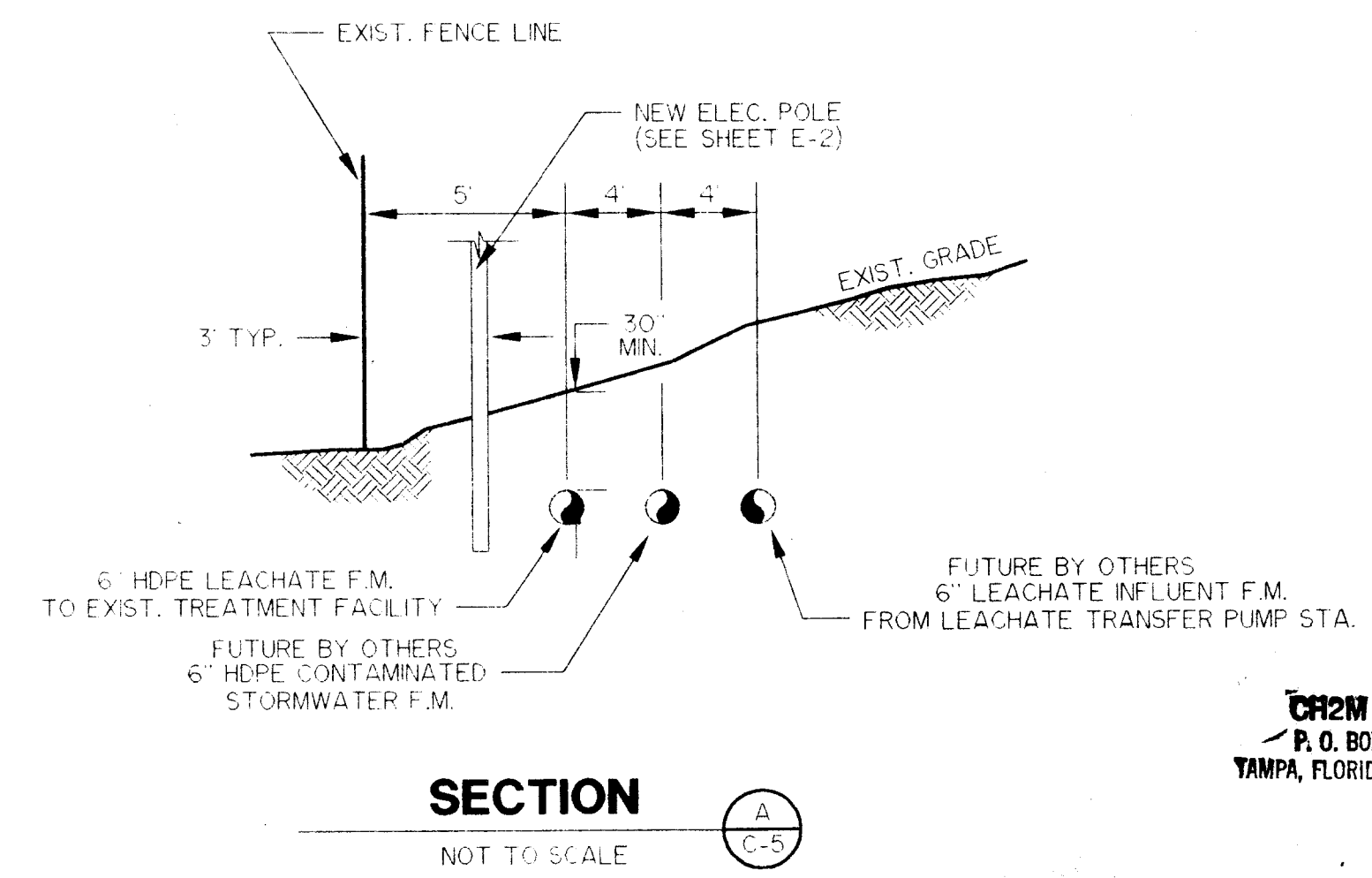
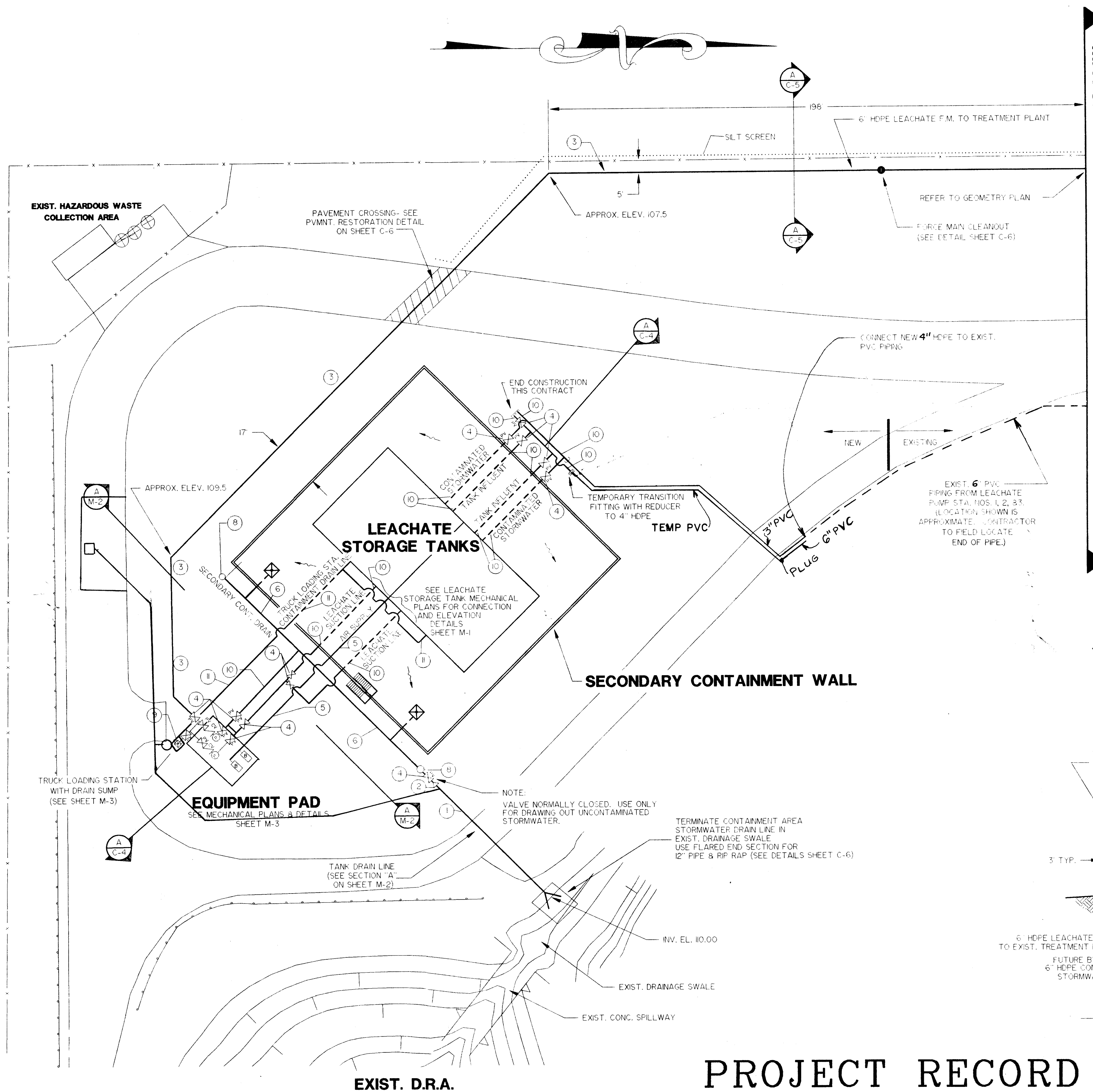
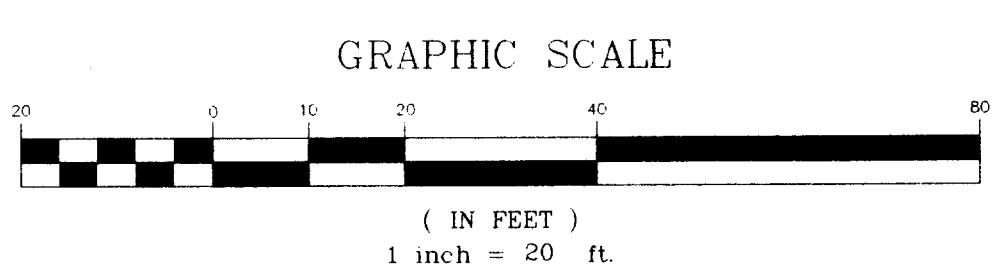
DESIGNED: G.J.M.
DRAWN: J.L.S.
CHECKED: G.J.M.
DATE: APRIL 7, 1995

Berryman & Henigar
BSI Consultants, Inc. • Henigar & Ray, Inc.
640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551

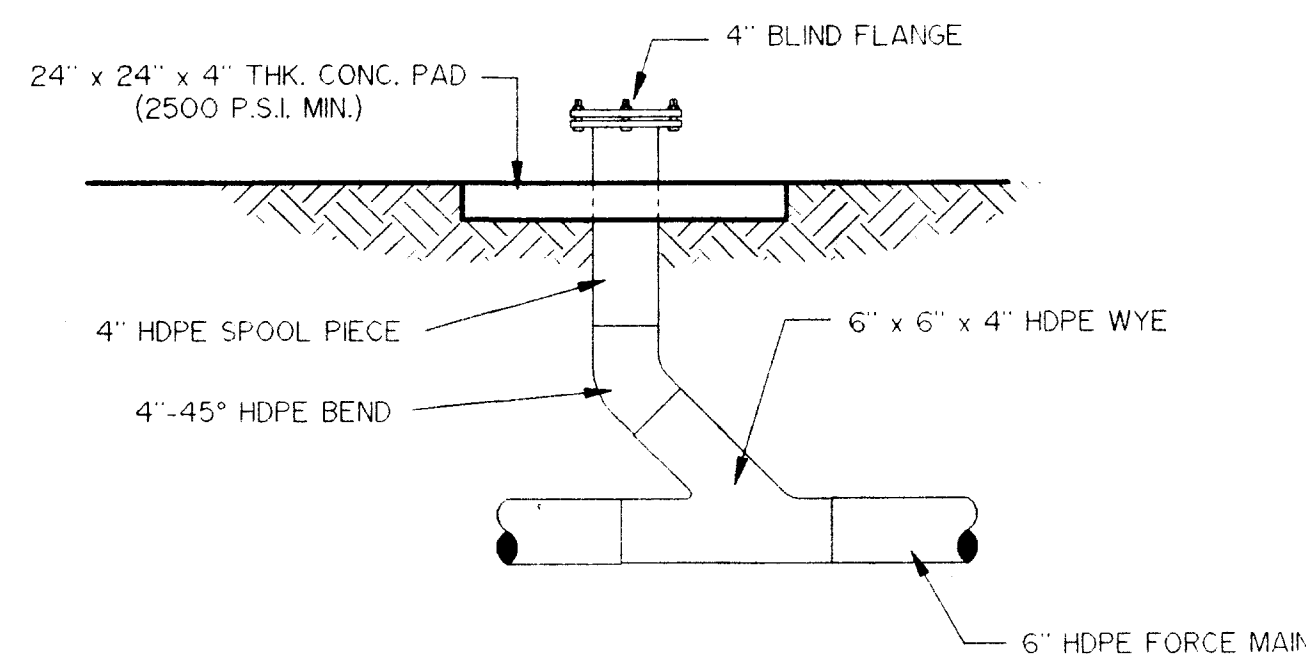
NO.	DATE	REVISION	APP'D. BY
1	10/17/95	ADDED TRUCK PAD	A.D.M.
2	3/1/95	GENERAL REVISION	A.D.M.

MATCH LINE-BEGIN STA. 0+00 - SEE SHEET C-2

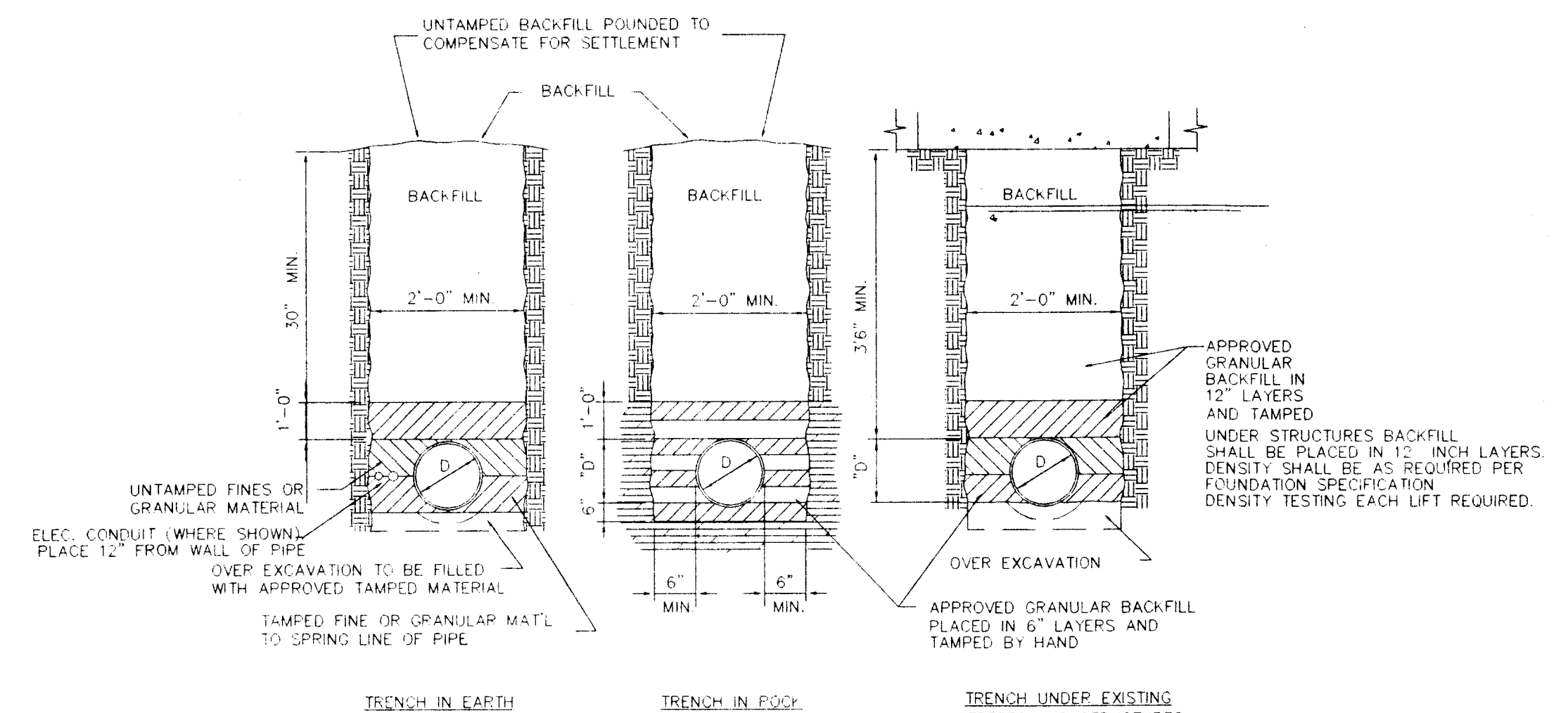
- PIPING SCHEDULE**
- 1 8" DIA. PVC
 - 2 6" x 6" DIA. MJ REDUCER
 - 3 6" DIA. HDPE PIPE
 - 4 6" DIA. FE PLUG VALVE
 - 5 6" STEEL SCH 40 PIPE
 - 6 6" PVC C-900 DR 18 PIPE
 - 7 6" DIA. MJ CROSS
 - 8 CLEANOUT
 - 9 DRAIN PUMP OUT W/CAMLOCK
 - 10 6" D.I. PIPE
 - 11 2" HDPE PIPE



PROJECT RECORD

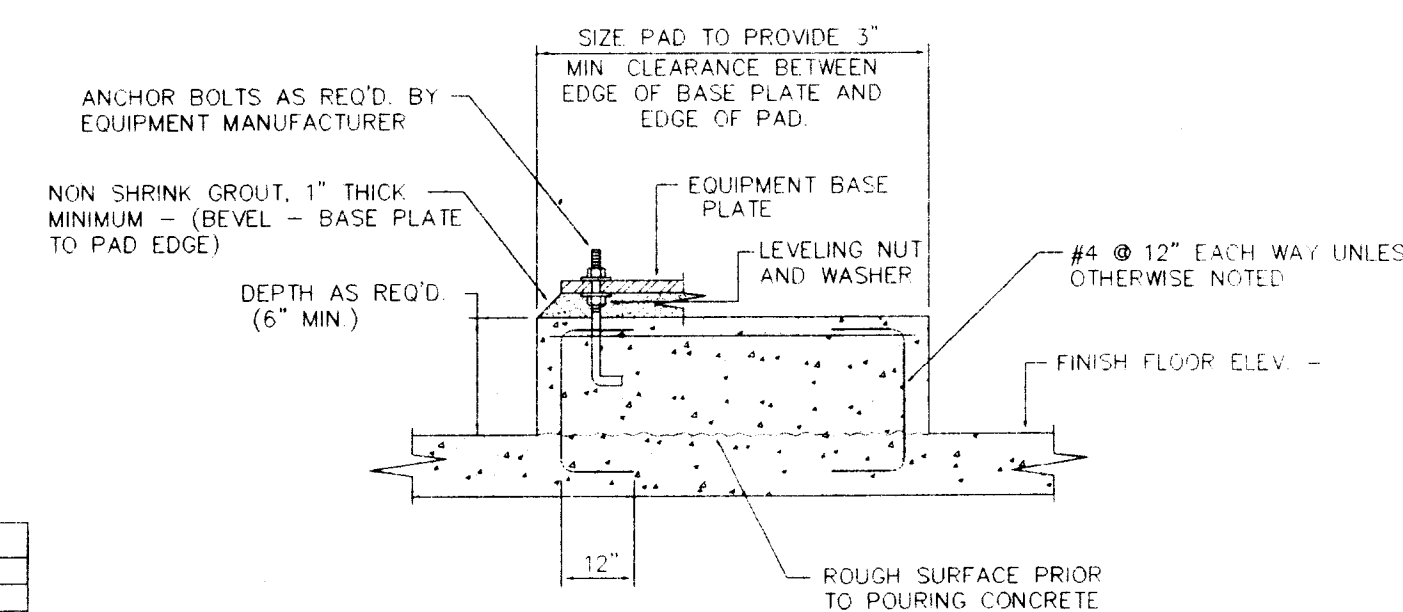


FORCE MAIN CLEANOUT
N.T.S.



- NOTES:**
- TRENCHES SHALL BE AS NARROW AS POSSIBLE TO ALLOW FOR SAFE AND PROPER MAIN INSTALLATION. TRENCH SIDES SHALL BE VERTICAL TO A POINT 1'-0" ABOVE THE TOP OF THE PIPE. ABOVE THE POINT SLOPED SIDES MAY BE USED IF CONDITIONS PERMIT, BUT SHOULD BE KEPT AS NEARLY VERTICAL AS POSSIBLE.
 - FOR TRENCH IN UNDER FILLS, GARBAGE DUMPS, SALT MARSHES, MUD, SOILS OR PLACES WHERE HARMFUL CORROSIVE CONDITIONS OR STEEL PIPE SHALL BE PROTECTED WITH AT LEAST 10" OF SAND OR LIMSTONE SCREENINGS ON ALL SIDES AND TAMPED BY HAND IN 6" LAYERS. SEE SPECIFICATIONS. NO ADDITIONAL COMPENSATION FOR CORROSION PROTECTION OF A PIPE WILL BE ALLOWED.
 - FOR OPEN-CUTS OF EXISTING PAVEMENT, WHERE PERMITTED, THE PAVEMENT REPLACEMENT SHALL INCORPORATE 6" THICK CONCRETE SLAB BRIDGE ON NOT LESS THAN 1'-0" OF UNDISTURBED SUB-GRADE ON EITHER SIDE OF TRENCH AND CONSTRUCTED TO PROVIDE FOR TYPE AND THICKNESS OF WEARING SURFACE TO MATCH EXISTING PAVEMENT.

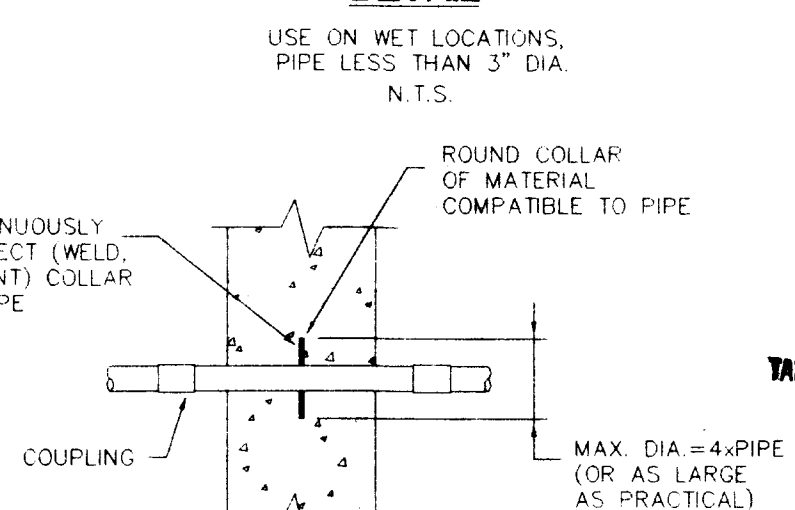
TRENCH DETAILS
N.T.S.



TYPICAL EQUIPMENT PAD AND ANCHORAGE DETAIL
N.T.S.

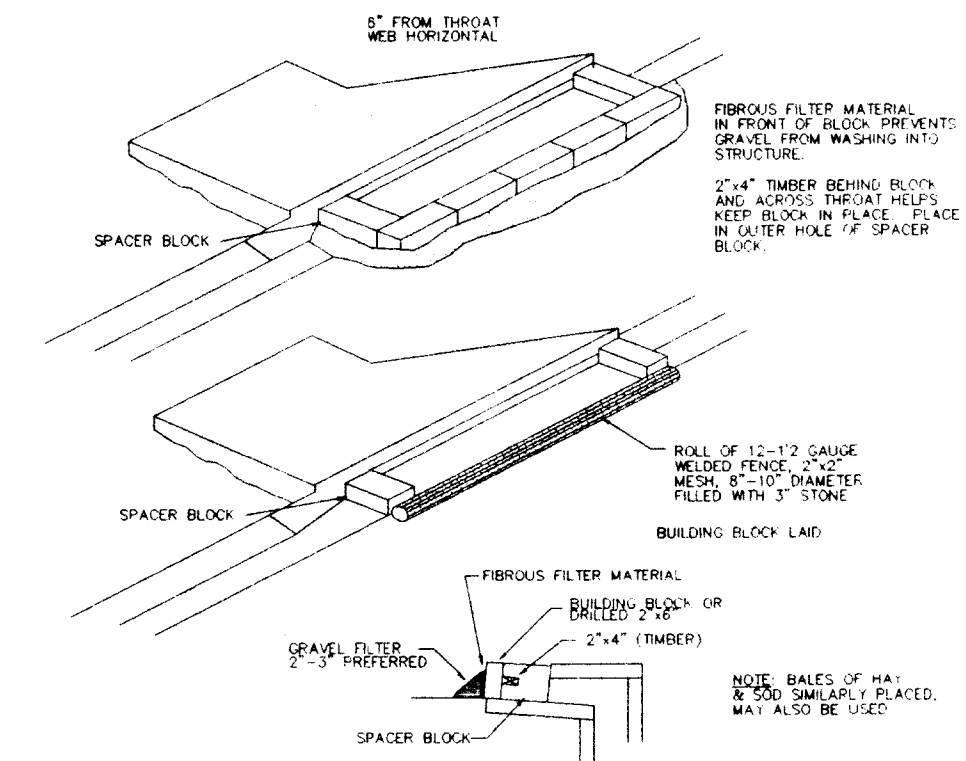
MASONRY WALL PIPE PENETRATION DETAIL
N.T.S.

WALL PENETRATION DETAIL
N.T.S.

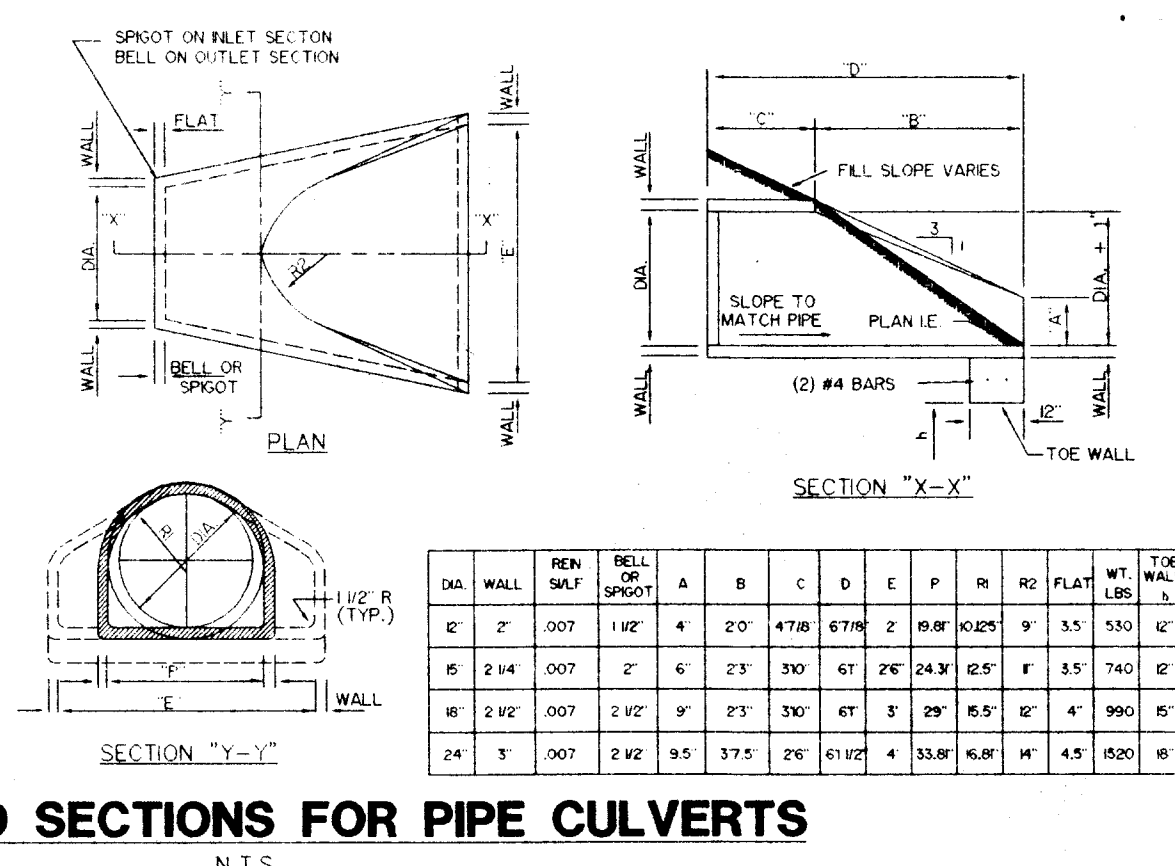


WALL PIPE DETAIL
N.T.S.

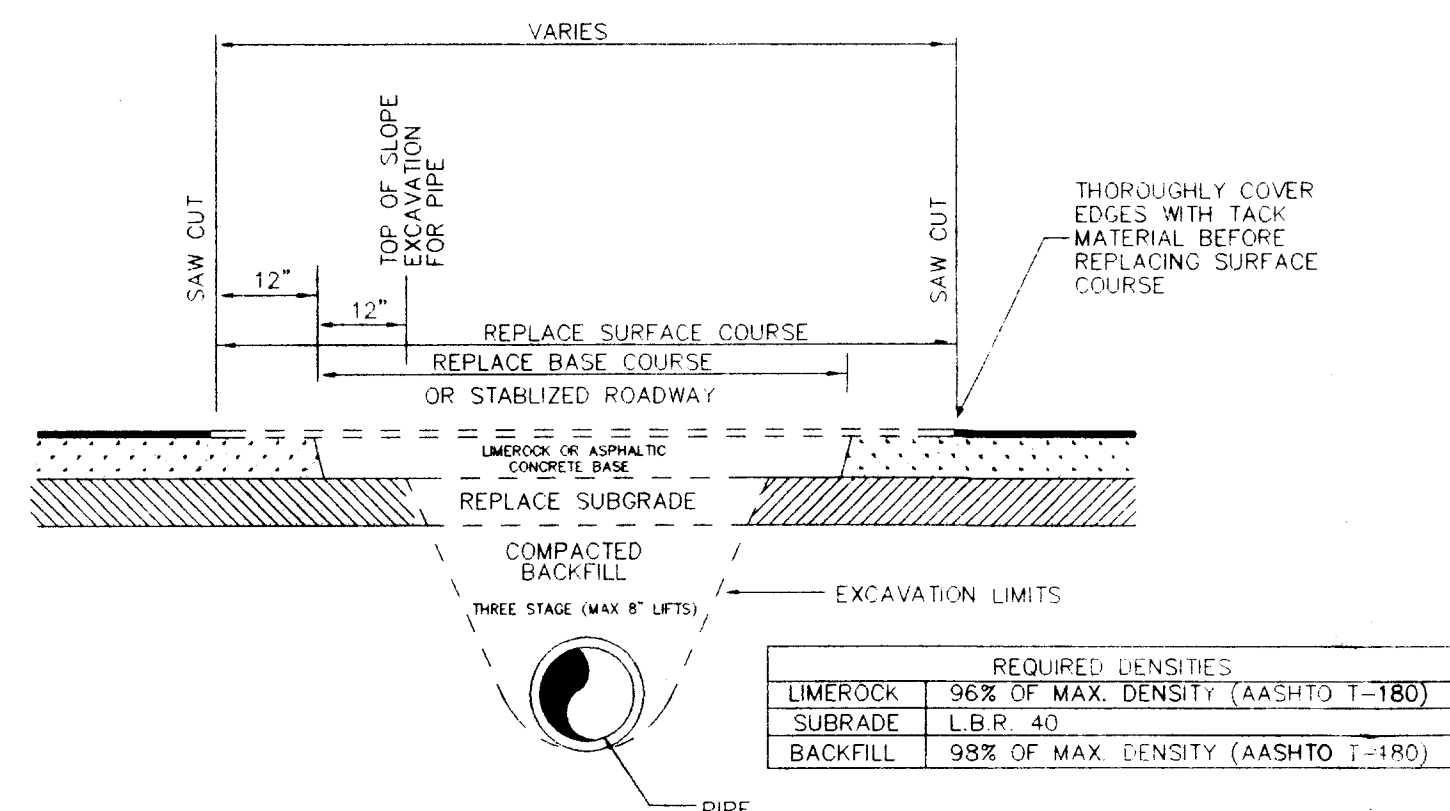
WALL PENETRATION DETAIL
N.T.S.



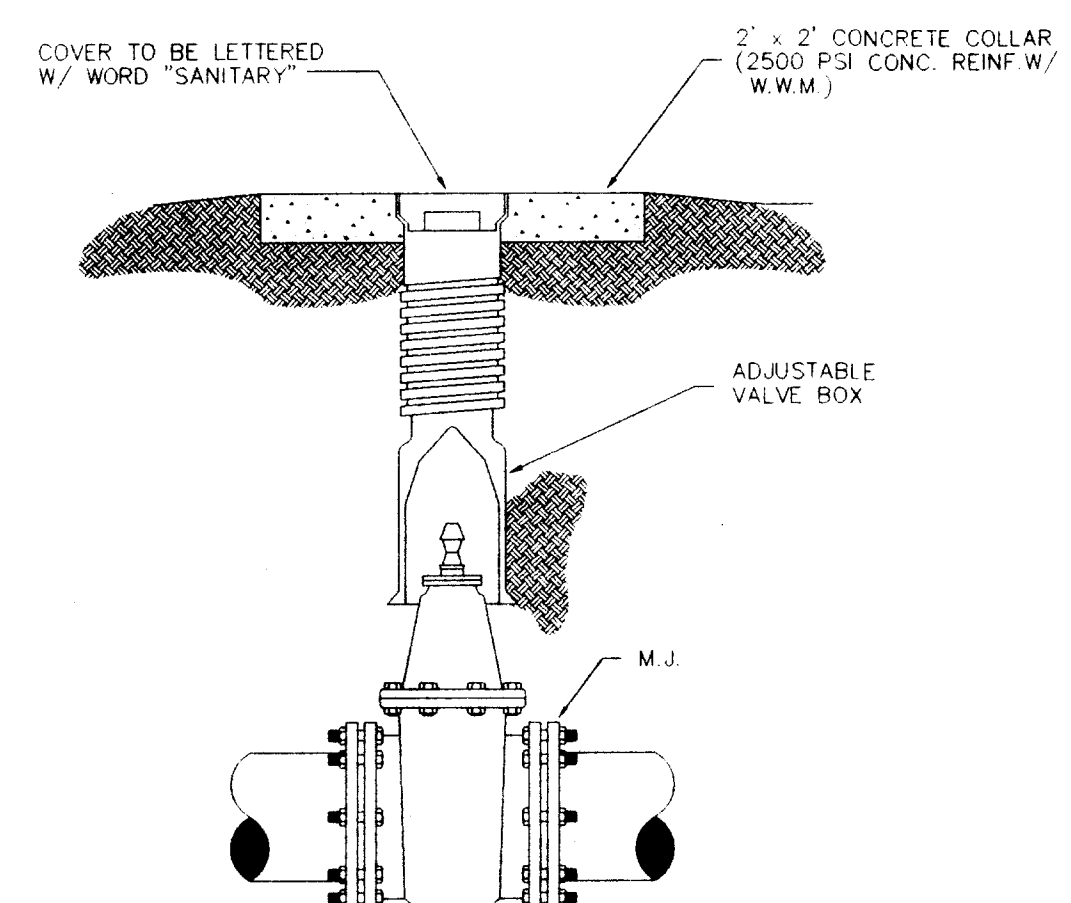
TEMPORARY SEDIMENT TRAP AT STORM DRAIN INLET
N.T.S.



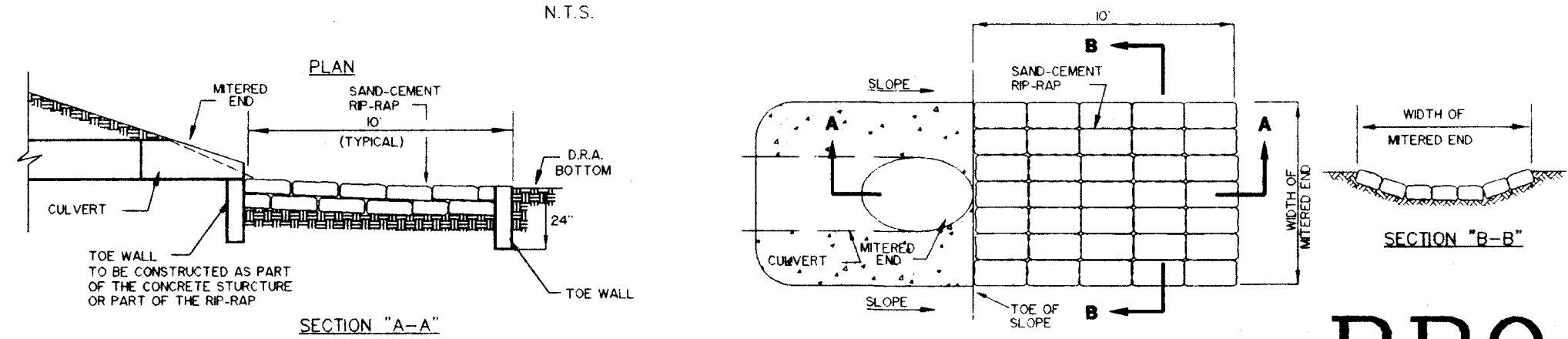
FLARED END SECTIONS FOR PIPE CULVERTS
N.T.S.



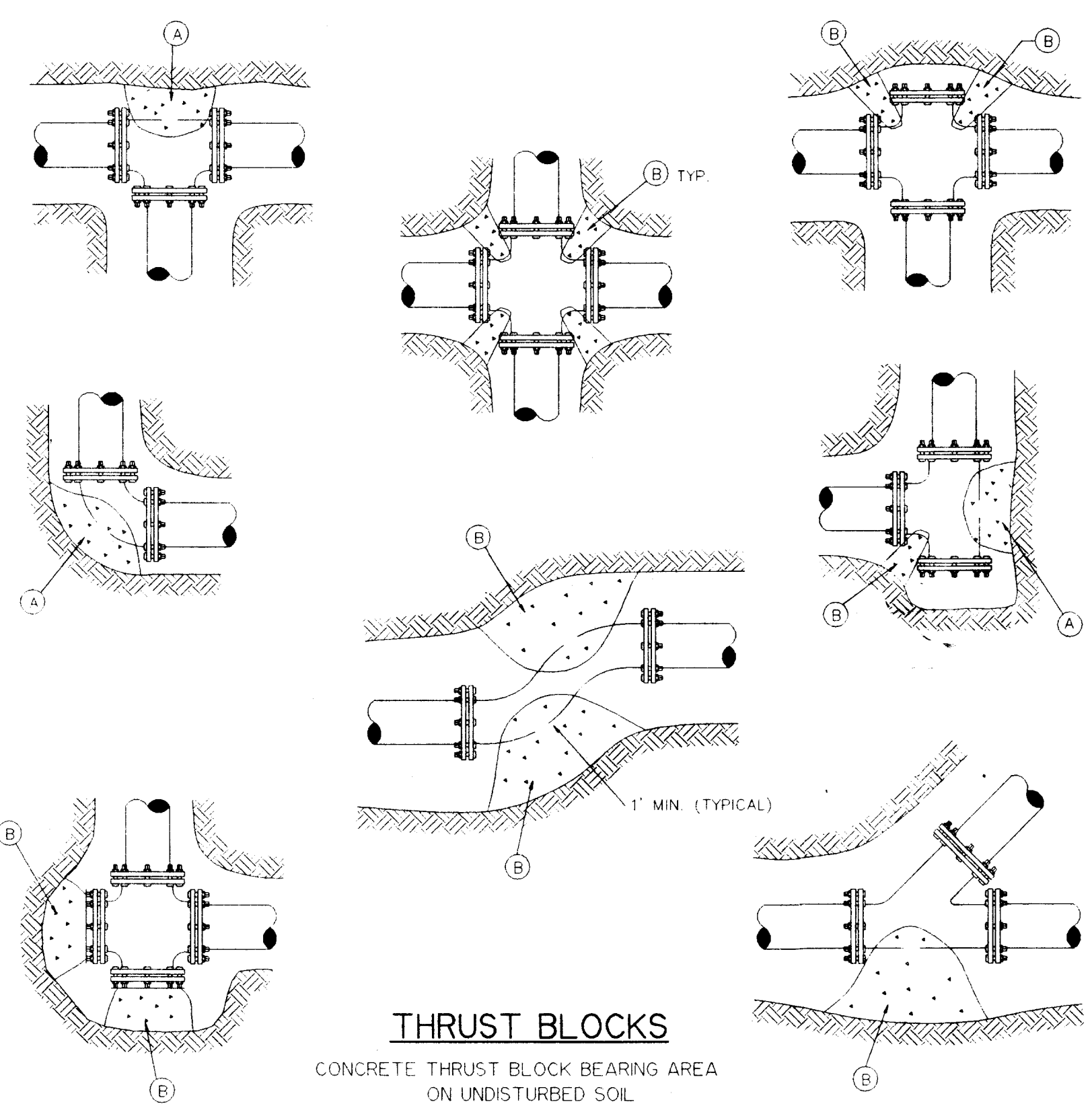
PAVEMENT RESTORATION DETAIL
FOR DRIVEWAYS AND COUNTY ROADWAYS



GATE OR PLUG VALVE W/ VALVE BOX
N.T.S.



RIP-RAP DETAIL
N.T.S.



THRUST BLOCKS

CONCRETE THRUST BLOCK BEARING AREA ON UNDISTURBED SOIL

PIPE SIZE	90° ELL	45° ELL	VALVES, TEES, DEAD ENDS
4	2	1	1.5
6	4	2	3
8	6	3	6
10	9	5	9
12	12	7	12
14	16	9	16
16	20	12	20
18	25	15	25
24	44	26	44

BASIS FOR TABLE VALUES:

AREAS ARE BASED ON A MINIMUM SOIL BEARING PRESSURE ON UNDISTURBED EARTH OF 2000 psf AND 150 psi INTERNAL TEST PRESSURE.

NOTES:

- WHERE FIELD TESTING INDICATES SOIL BEARING CAPACITY LESS THAN 2000 psf BEARING AREA SHALL BE INCREASED IN ACCORDANCE WITH AWWA STANDARD PRACTICE.
- POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
- ON BENDS AND TEES, EXTEND THRUST BLOCK FULL LENGTH.
- PLACE VISQUEEN WRAP AND BOARD IN FRONT OF ALL PLUGS AND DEAD ENDS BEFORE POURING THRUST BLOCKS.
- NO COUPLINGS OR JOINTS SHALL BE COVERED WITH CONCRETE.
- CONCRETE SHALL BE CLASS "B" MIN. 2500 psi STRENGTH AT 28 DAYS.

DESIGNED G.J.M.
DRAWN G.J.M.
CHECKED G.J.M.
DATE APRIL 7, 1995

Berryman & Henigar
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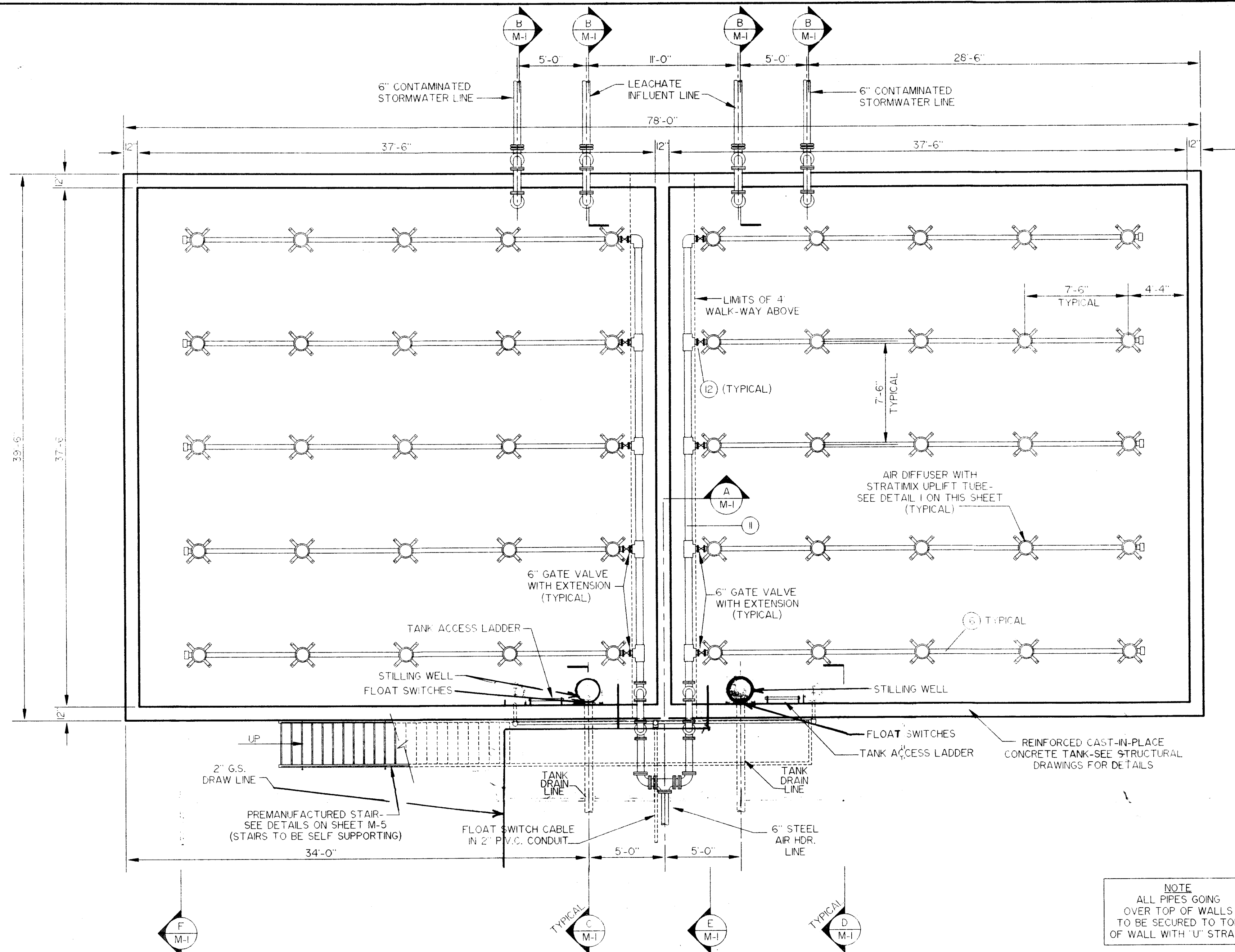
NO.	DATE	REVISION	APP'D. BY
3/1/95	GENERAL REVISION	A.D.M.	

**CITRUS COUNTY CENTRAL LANDFILL
LEACHATE STORAGE TANK**

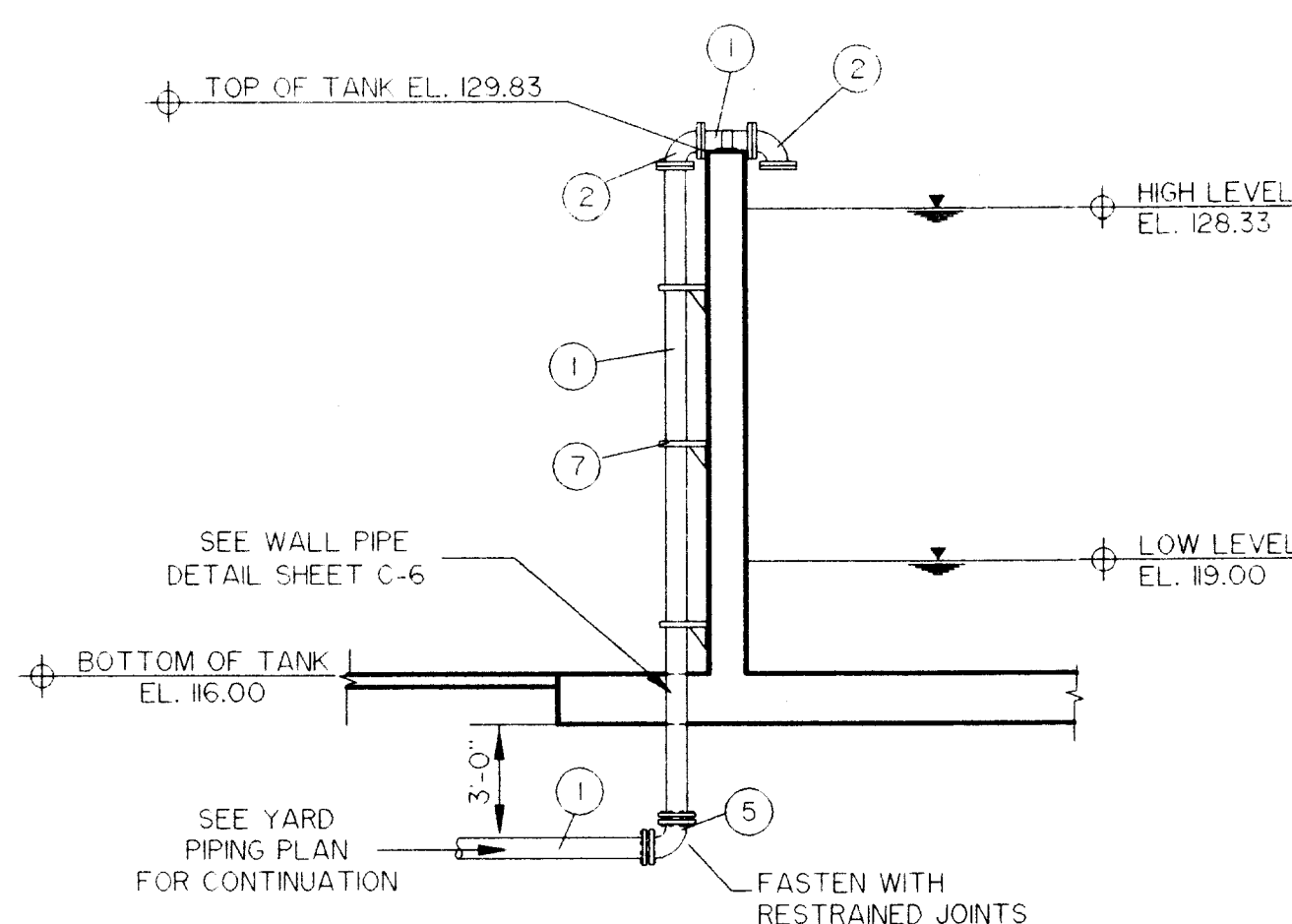
MISCELLANEOUS DETAILS

JOB NO. 45085
FILE NO. 5A-345
SEC. 1
TWP 19S RGE 18E
SHT C-6
GEORGE J. McDONALD, P.E.
REGISTERED ENGINEER NO. 44740
STATE OF FLORIDA
DATE

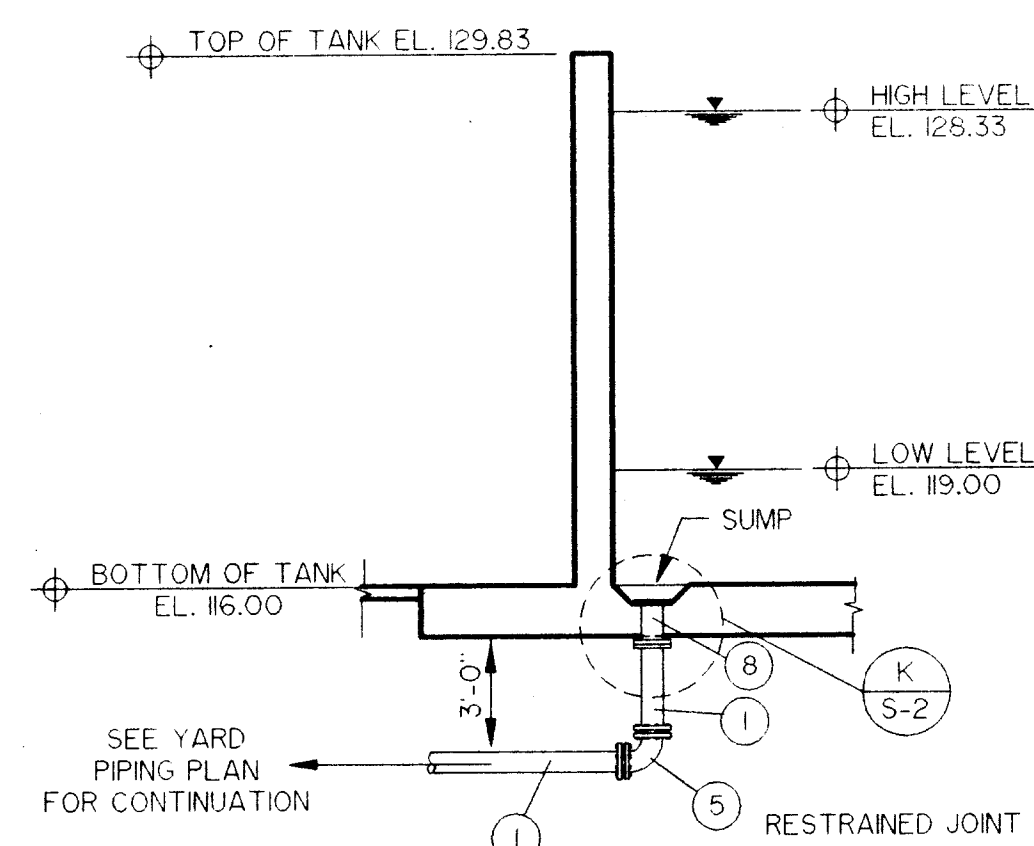
PROJECT RECORD



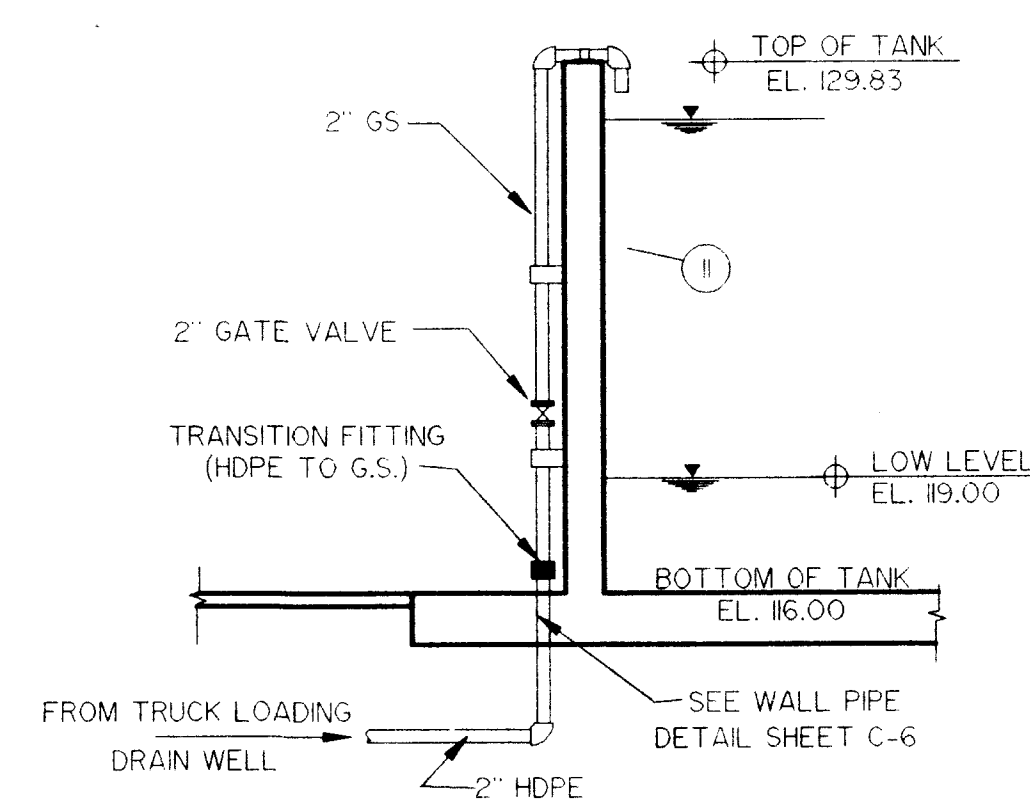
MECHANICAL PLAN
SCALE: 1" = 5'



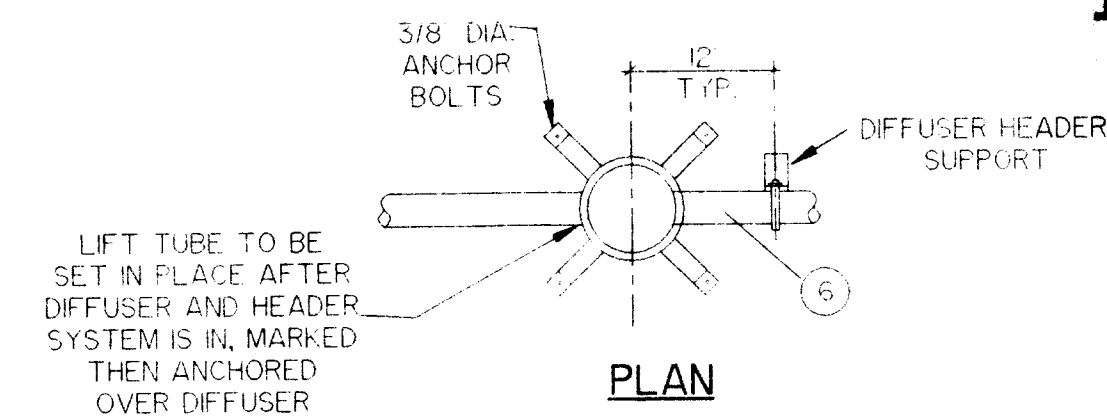
SECTION
SCALE: 1" = 5'



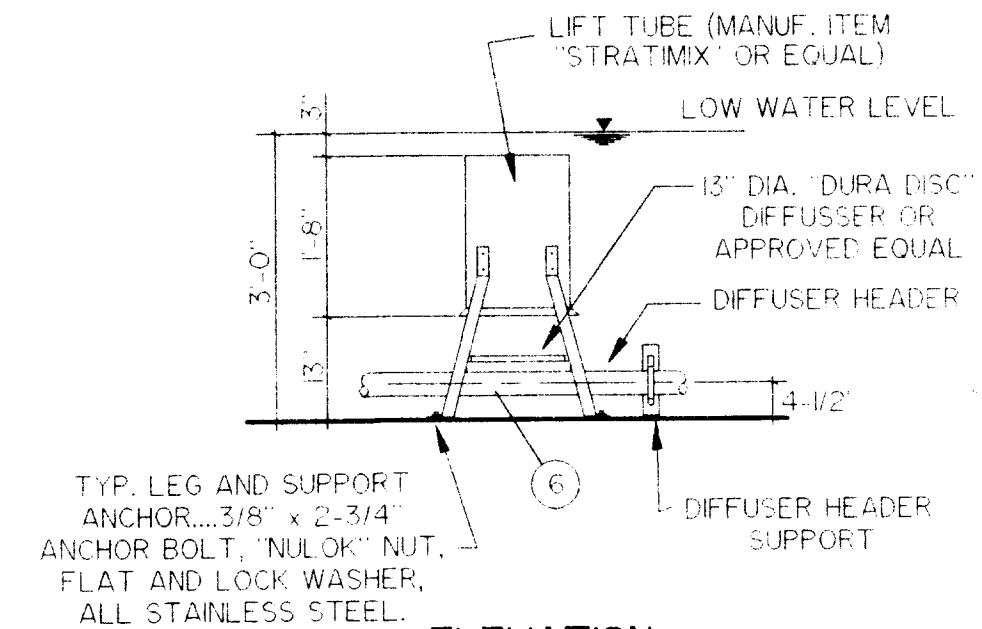
SECTION
SCALE: 1" = 5'



SECTION
SCALE: 1" = 5'

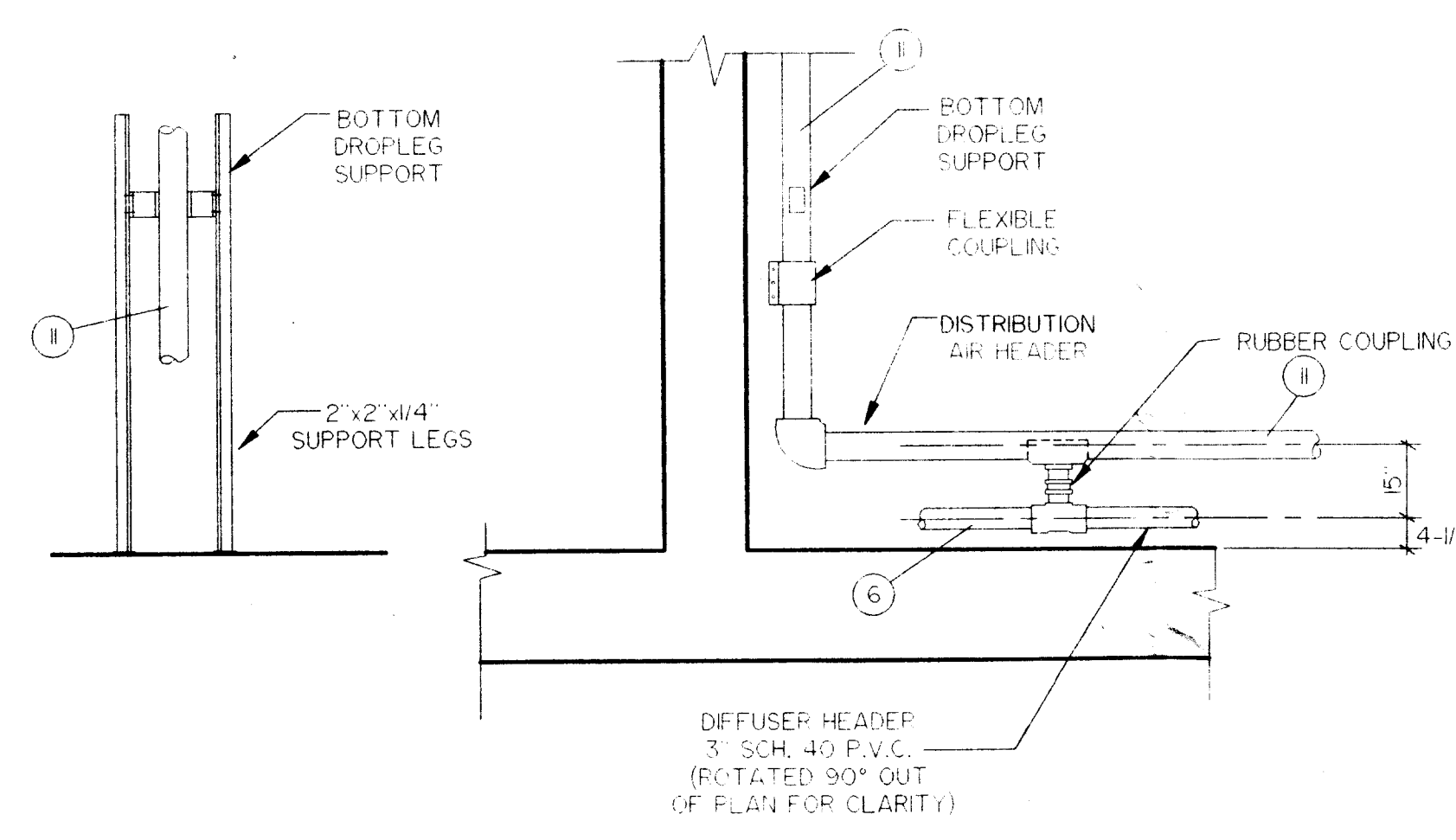


PLAN

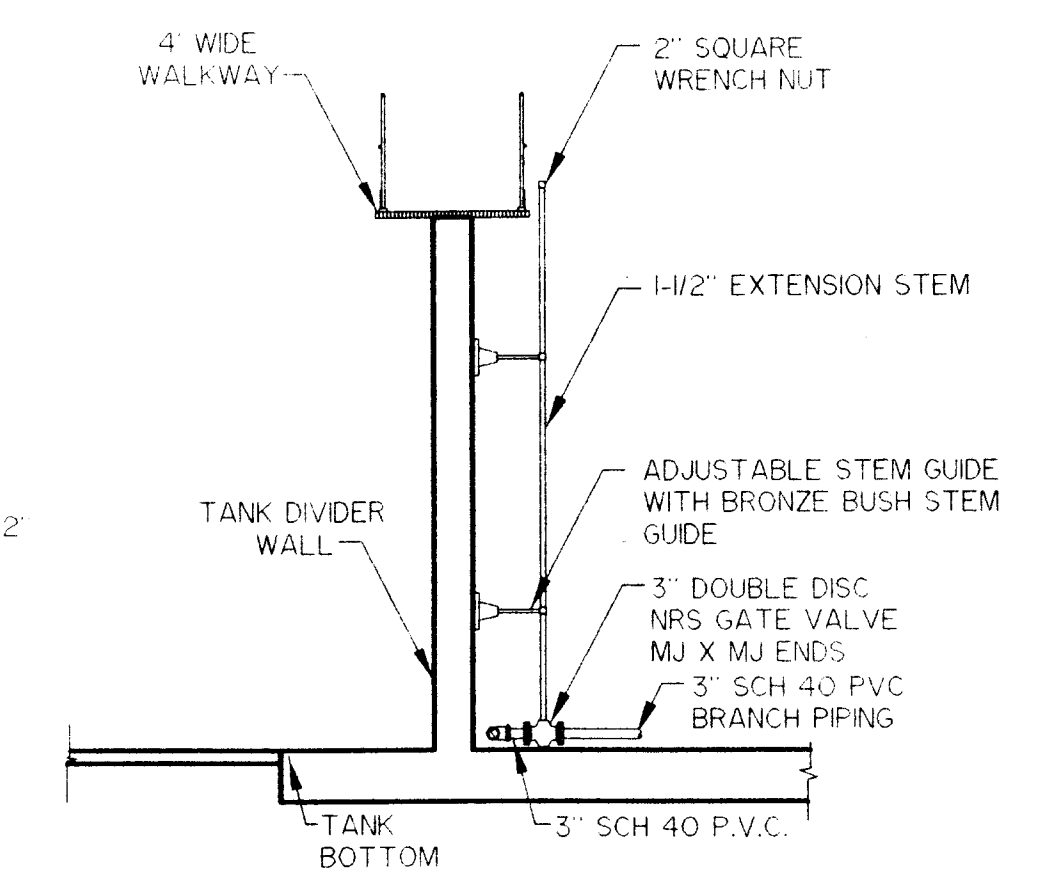


ELEVATION

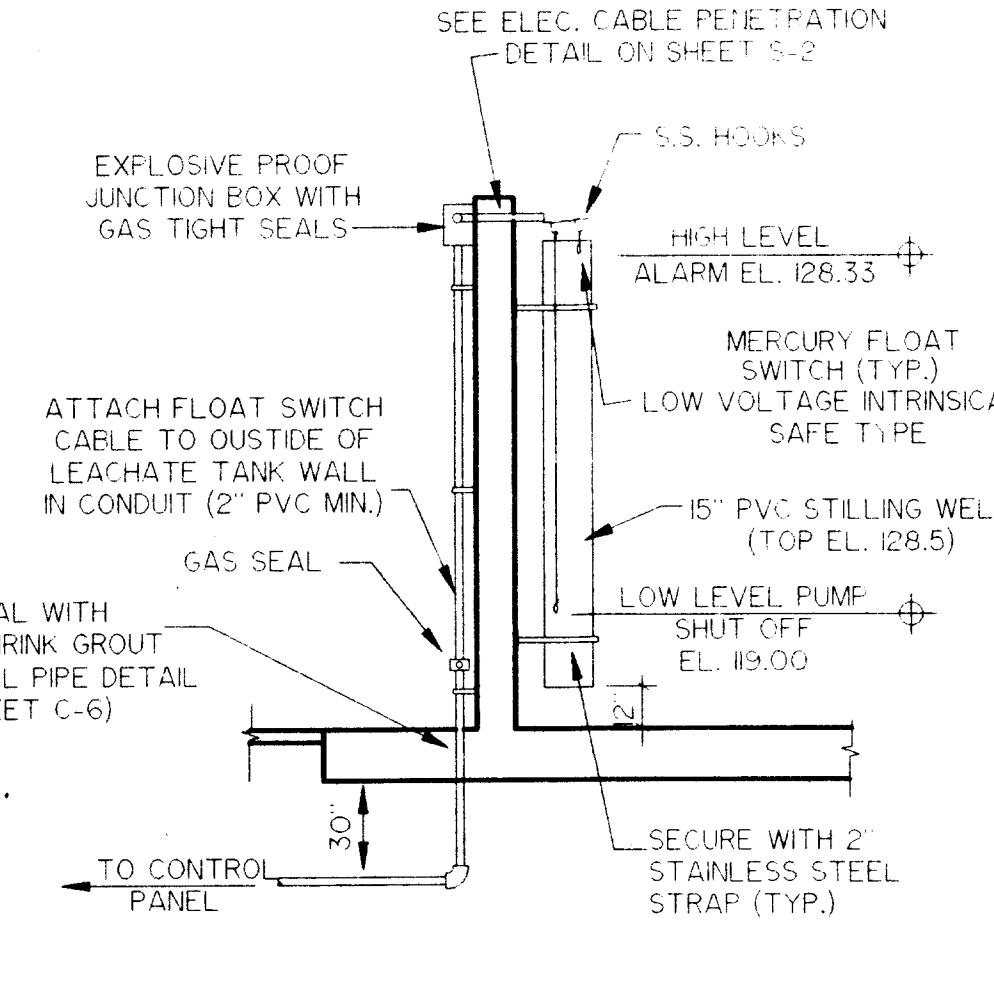
DETAIL
TYPICAL STRATIMIX
SCALE: 1" = 2'



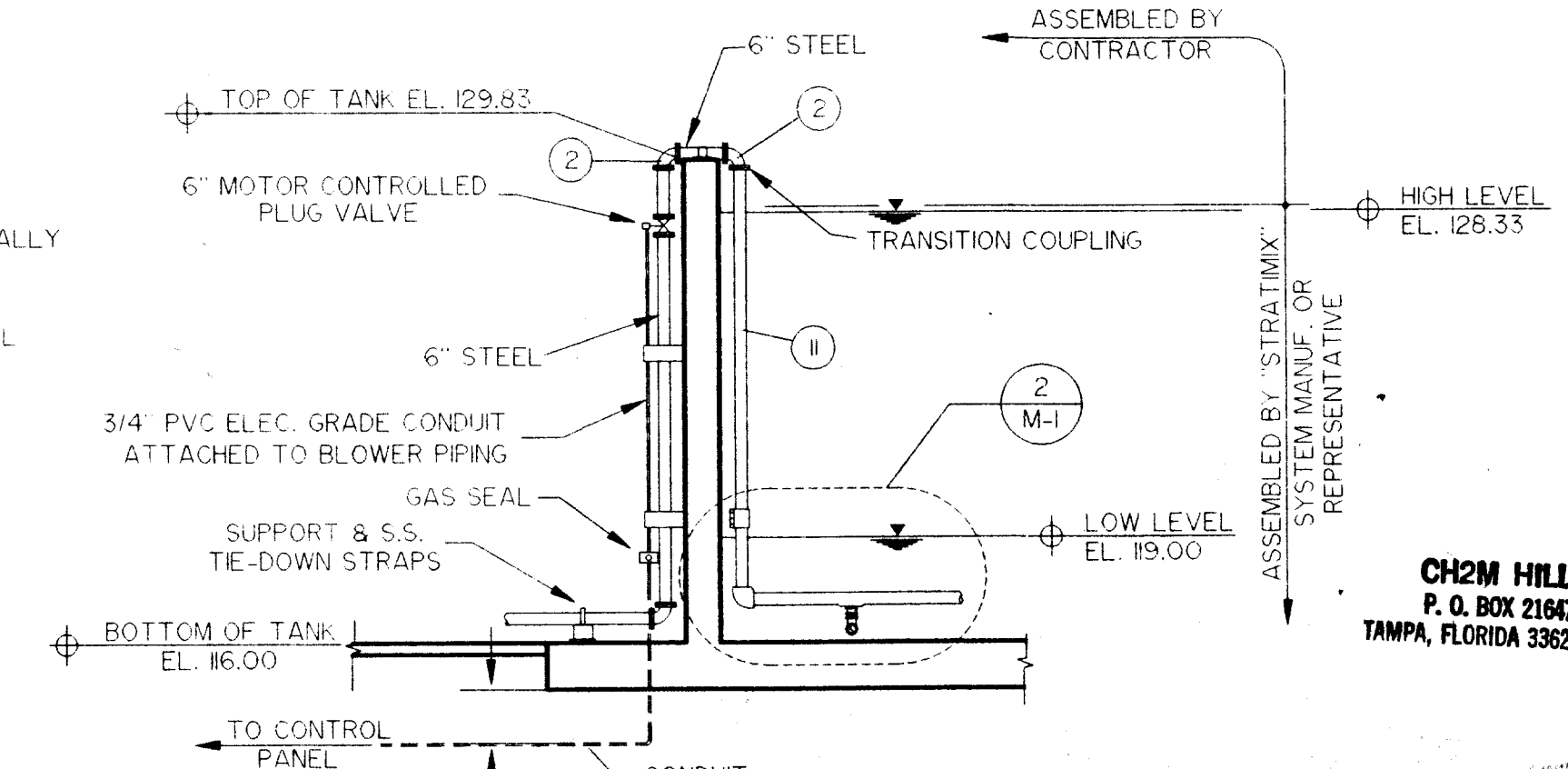
DETAIL
AIR HEADER
SCALE: 1" = 2'



SECTION
SCALE: 1" = 5'



FLOAT SWITCH DETAIL
SCALE: 1" = 5'



SECTION
SCALE: 1" = 5'

DESIGNED G.J.M.
DRAWN J.L.S.
CHECKED G.J.M.
DATE APRIL 7, 1995

Berryman & Henigar
BSI Consultants, Inc. • Henigar & Ray, Inc.
640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551

NO.	DATE	REVISION	APP'D. BY
1	3/1/95	GENERAL REVISION	A.D.M.

**CITRUS COUNTY CENTRAL LANDFILL
LEACHATE STORAGE TANK**

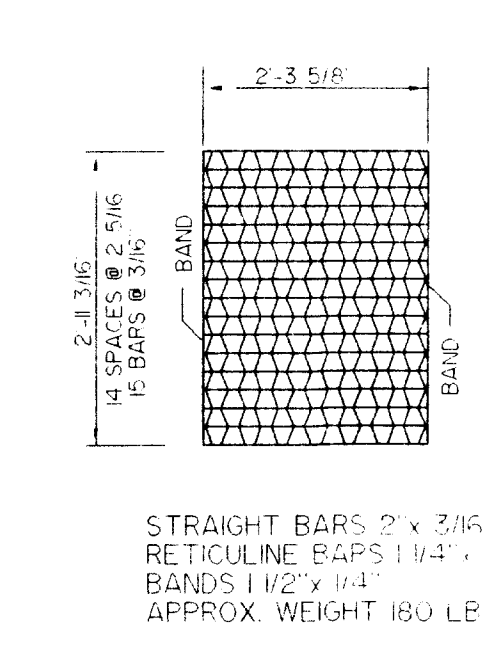
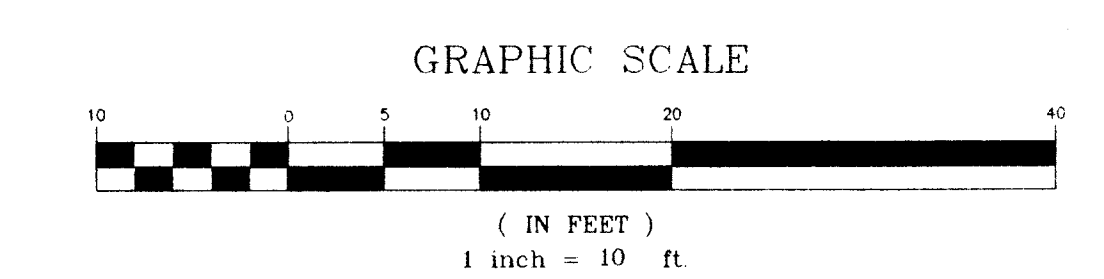
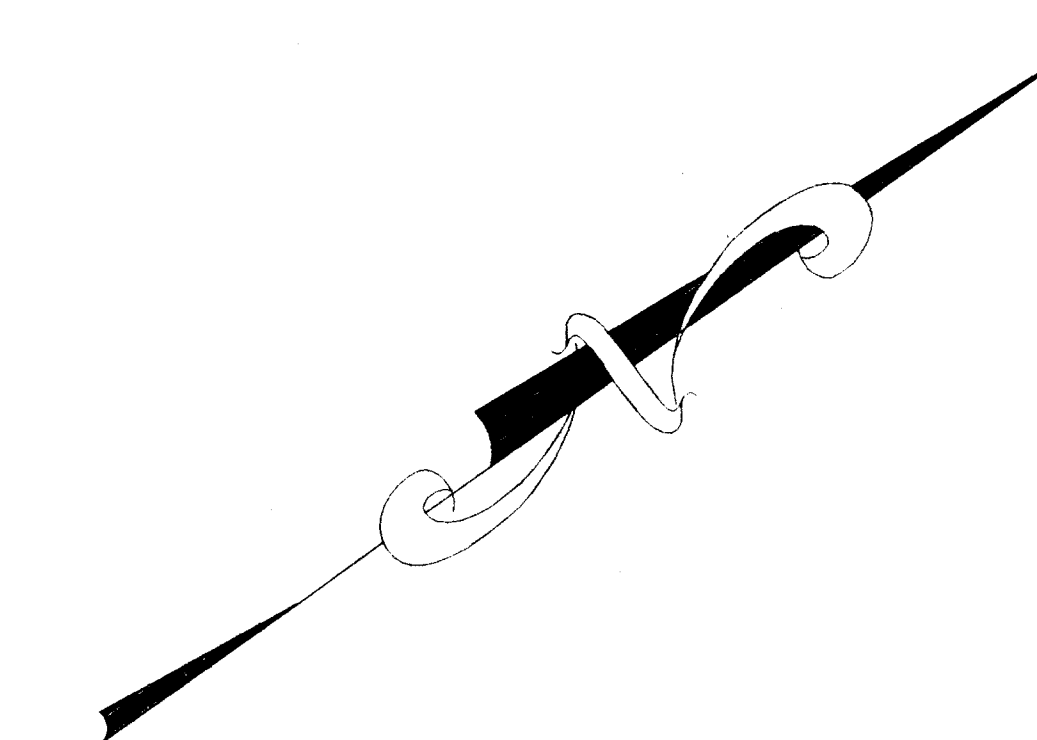
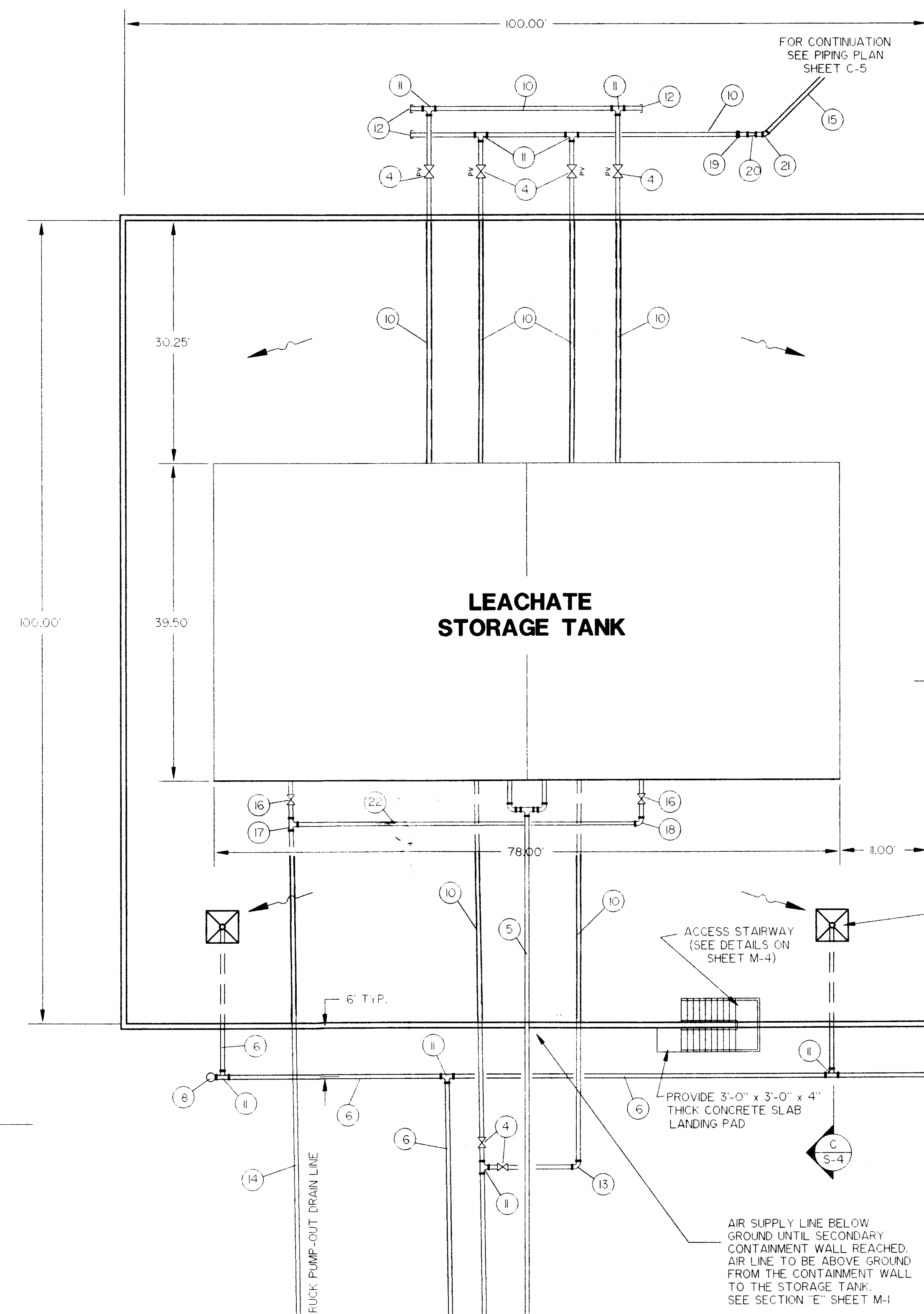
**LEACHATE STORAGE TANK
MECHANICAL PLAN and DETAILS**

GEORGE J. McDONALD, P.E.
REGISTERED ENGINEER NO. 44740
STATE OF FLORIDA
DATE

JOB NO. 45085
FILE NO. 5A-345
SEC. 1
TWP. 19S RGE. 18E
SHT. M-1

CH2M HILL
P.O. BOX 21647
TAMPA, FLORIDA 33622-0647





ALUMINUM GRATE

DETAIL
TYPE "C" INLET
SCALE: 1/2" = 1'-0"

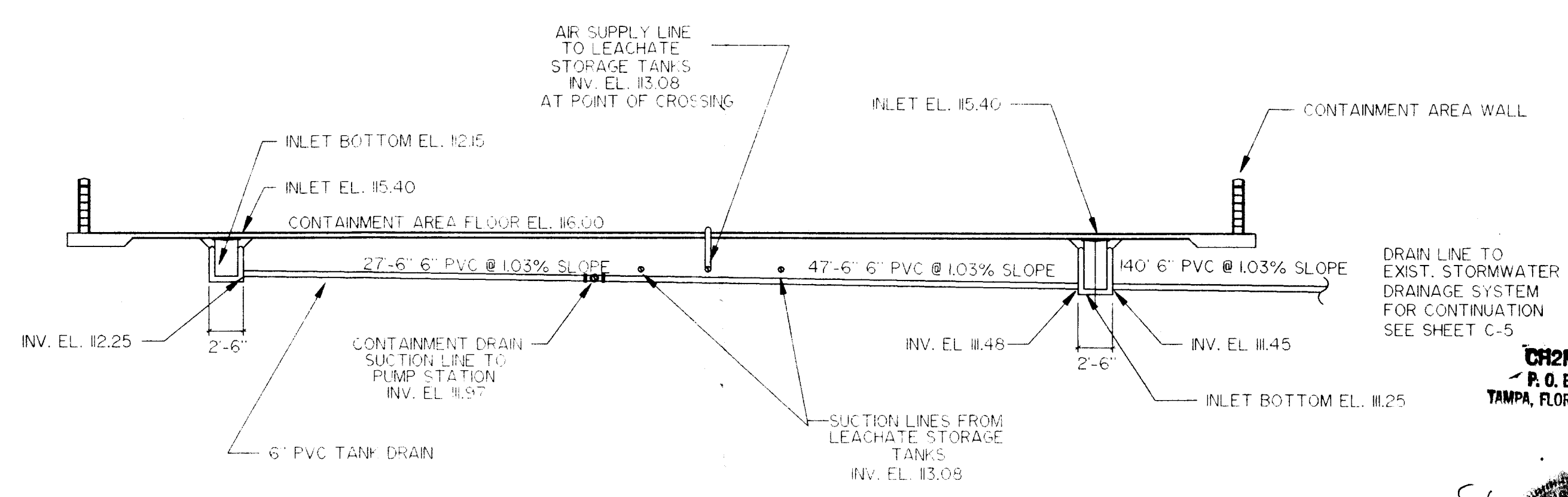
- PIPING SCHEDULE**
- 1 8" DIA. PVC
 - 2 8" x 6" DIA. MJ REDUCER
 - 3 6" DIA. HDPE PIPE
 - 4 6" DIA. FE PLUG VALVE
 - 5 6" STEEL SCH 40 PIPE
 - 6 6" PVC C-900 DR 18 PIPE
 - 7 6" DIA. MJ CROSS
 - 8 CLEANOUT
 - 9 DRAIN PUMP OUT W/CAWLOCK
 - 10 6" DI. PIPE
 - 11 6" MJ TEE
 - 12 6" MJ PLUG
 - 13 6" MJ 90° BEND
 - 14 2" HDPE PIPE
 - 15 4" HDPE PIPE
 - 16 2" GATE VALVE
 - 17 2" G.S. TEE
 - 18 2" G.S. 90° BEND
 - 19 TRANSITION FITTING D.I. TO HDPE
 - 20 6" x 4" HDPE REDUCER
 - 21 4" HDPE 45° BEND
 - 22 2" G.S. PIPE

CONTAINMENT TANK DRAIN
(SEE DETAIL "E" SHEET S-3)
DRAIN TO BE COVERED WITH
A STEEL GRATING
(SEE DETAIL "A" THIS SHEET)

PROVIDE 3'-0" x 3'-0" x 4" THICK CONCRETE SLAB LANDING PAD

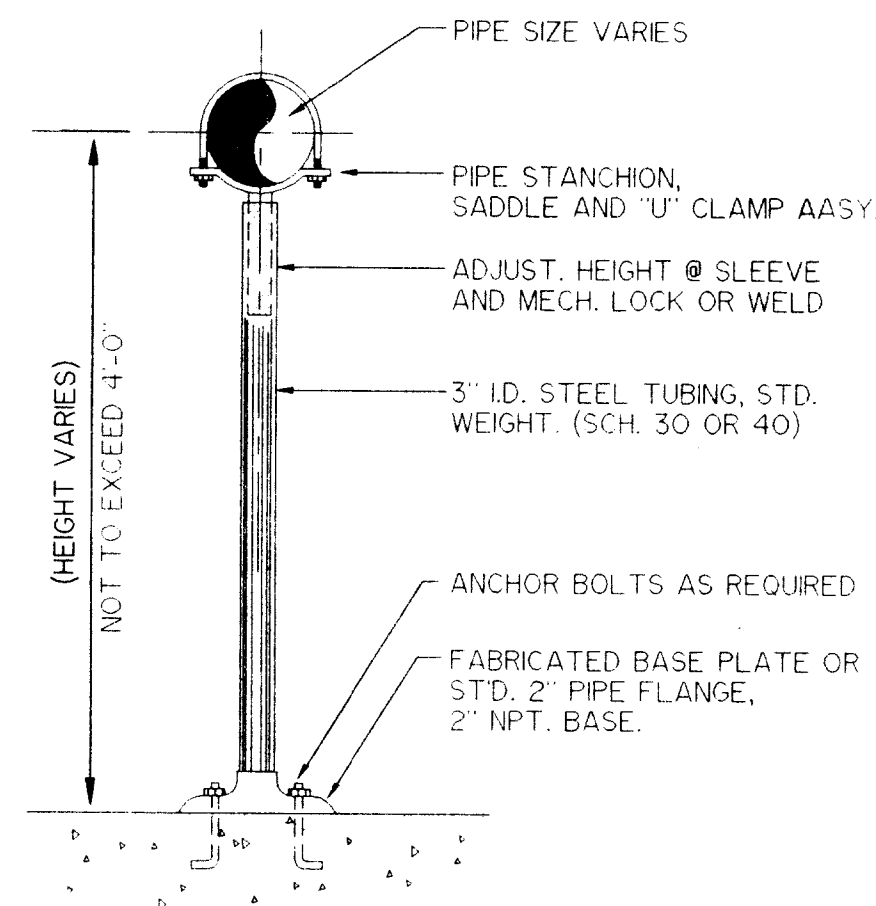
AIR SUPPLY LINE BELOW GROUND UNTIL SECONDARY CONTAINMENT WALL REACHED. AIR LINE TO BE ABOVE GROUND FROM THE CONTAINMENT WALL TO THE STORAGE TANK. SEE SECTION "E" SHEET M-1

TO EXIST. STORMWATER DRAINAGE SYSTEM
(SEE SHEET C-5 FOR CONTINUATION)



SECTION
TANK DRAIN PROFILE

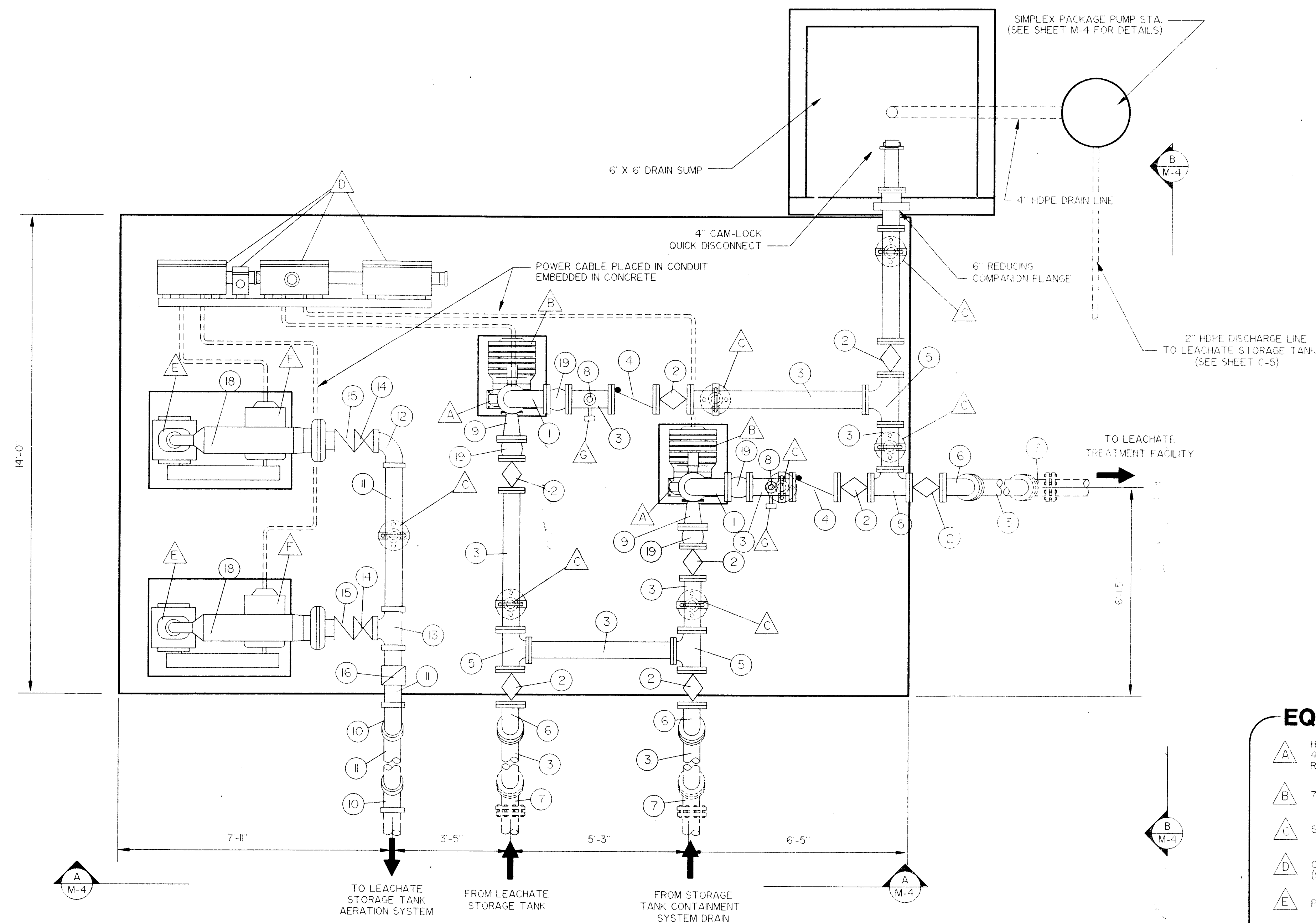
PROJECT RECORD



TYPICAL PIPING SUPPORT STANCHION DETAIL
N.T.S.

PIPING SCHEDULE

- 1 6" DIA. 90° FE BEND
- 2 6" DIA. FE PLUG VALVE
- 3 6" DIA. DIP FE SPOOL PIECE
- 4 6" DIA. FE SLANTING DISC CHECK VALVE
- 5 6" x 6" x 6" FE TEE
- 6 6" DIA. FE 45° BEND
- 7 6" DIA. MJ 45° BEND
- 8 AIR RELEASE ASSEMBLY
- 9 6" x 4" FE CONC. REDUCER
- 10 6" DIA. GS 45° BEND
- 11 6" DIA. GS AIR PIPING
- 12 6" G.S. 90° BEND
- 13 6" G.S. TEE
- 14 6" ISOLATION VALVE
- 15 6" AIR CHECK VALVE
- 16 6" PRESSURE RELEASE VALVE
- 17 PRESSURE GAUGE
- 18 SILENCER
- 19 6" VIBRATION ISOLATION FITTING



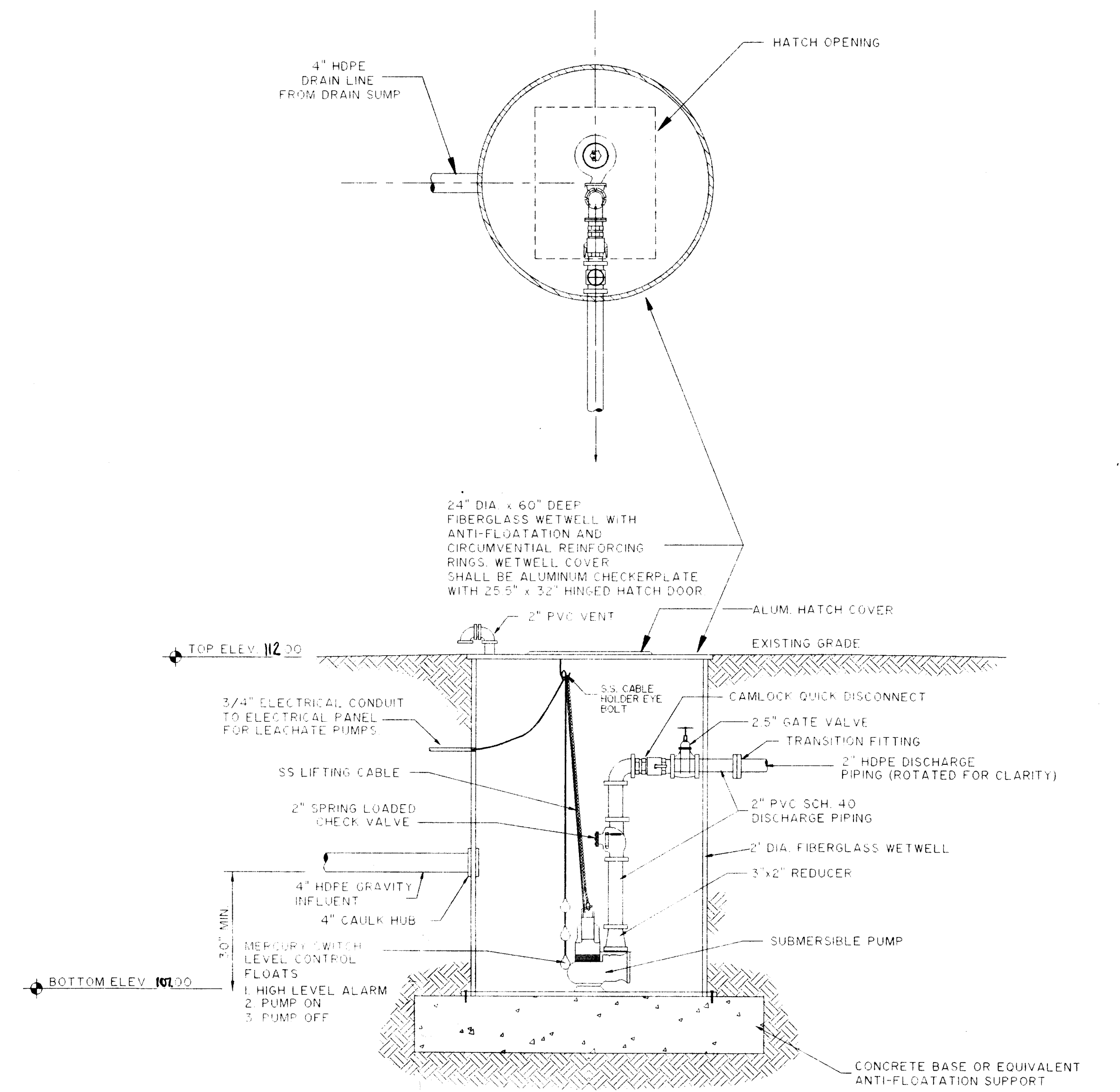
MECHANICAL PLAN
1/2" = 1'-0"

EQUIPMENT SCHEDULE

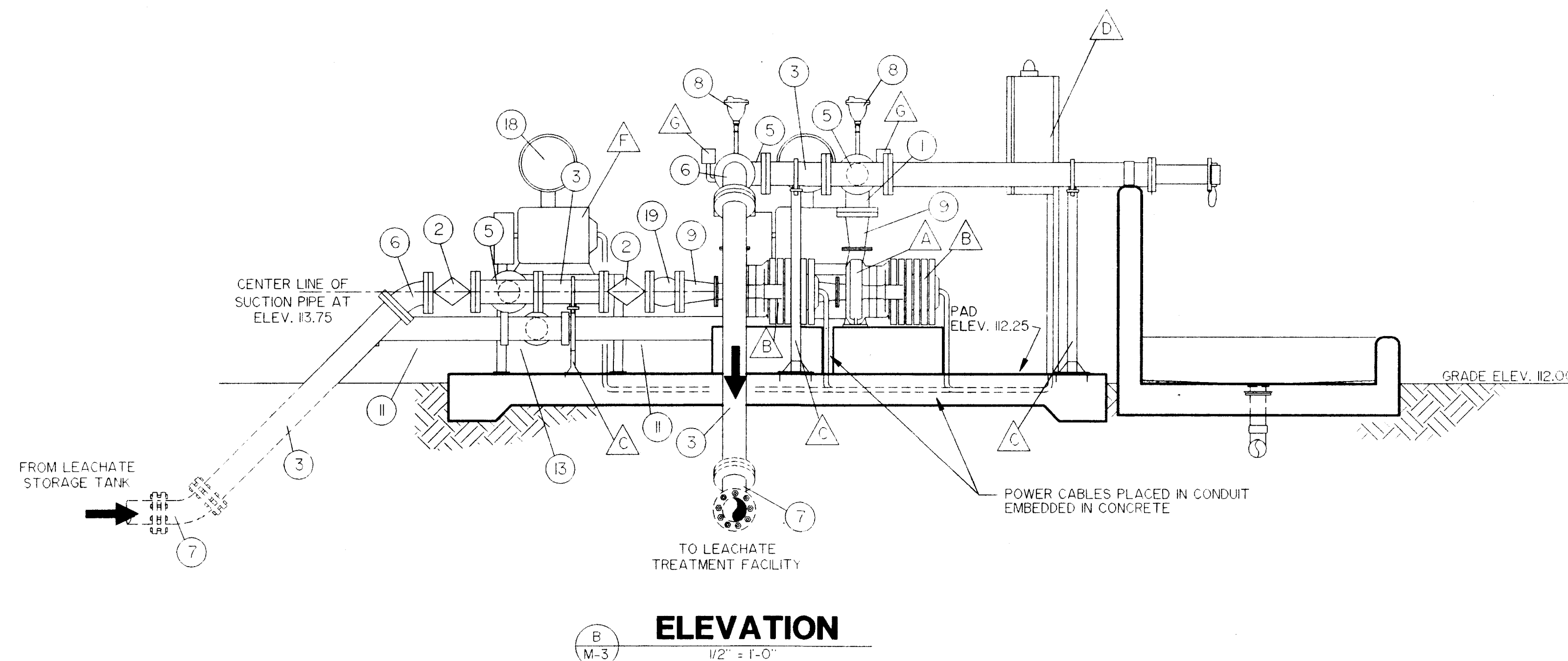
- A HORIZONTAL CENTRIFUGAL PUMP, CLOSE-COUPLED, 4" INTAKE X 4" DISCHARGE, 350 GPM @ 42 TDH RATING, 3" SOLIDS HANDLING MIN.
- B 7.5 HP. ELECTRIC MOTOR
- C STEEL PIPE STANCHION, W/SADDLE AND U-BOLT.
- D CONTROL PANEL (NEMA 4X) (SEE ELECTRICAL PLANS & SPECS.)
- E POSITIVE DISPLACEMENT BLOWER
- F 20 HP ELECTRIC MOTOR
- G PRESSURE SWITCH

PROJECT RECORD

DESIGNED <u>KC</u> DRAWN <u>KC</u> CHECKED <u>GJM</u> DATE <u>APRIL 7, 1995</u>	 Berryman & Henigar BSI Consultants, Inc. • Henigar & Ray, Inc. 640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>GENERAL REVISION</th> <th>APP'D. BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	GENERAL REVISION	APP'D. BY													CITRUS COUNTY CENTRAL LANDFILL LEACHATE STORAGE TANK	LEACHATE PUMPING STATION MECHANICAL PLAN	GEORGE J. McDONALD, P.E. REGISTERED ENGINEER NO. 44740 STATE OF FLORIDA DATE <u> </u>	JOB NO. <u>45085</u> FILE NO. <u>5A-345</u> SEC. <u>1</u> TWP. <u>19S</u> RGE. <u>18E</u> SHT. <u>M-3</u>
NO.	DATE	GENERAL REVISION	APP'D. BY																			



- (1) 6" DIA. 90° FE BEND
- (2) 6" DIA. FE PLUG VALVE
- (3) 6" DIA. DIP FE SPOOL PIECE
- (4) 6" DIA. FE SLANTING DISC CHECK VALVE
- (5) 6" x 6" x 6" FE TEE
- (6) 6" DIA. FE 45° BEND
- (7) 6" DIA. MJ 45° BEND
- (8) AIR RELEASE ASSEMBLY
- (9) 6" X 4" FE CONC. REDUCER
- (10) 6" DIA. GS 45° BEND
- (11) 6" DIA. GS AIR PIPING
- (12) 6" G.S. 90° BEND
- (13) 6" G.S. TEE
- (14) 6" ISOLATION VALVE
- (15) 6" AIR CHECK VALVE
- (16) 6" PRESSURE RELEASE VALVE
- (17) PRESSURE GAUGE
- (18) SILENCER
- (19) 6" VIBRATION ISOLATION FITTING



EQUIPMENT SCHEDULE

- | | |
|---|--|
|  | HORIZONTAL CENTRIFUGAL PUMP, CLOSE-COUPLED,
4" INTAKE X 4" DISCHARGE, 350 GPM @ 42 TDH
RATING, 3' SOLIDS HANDLING MIN. |
|  | 7.5 HP. ELECTRIC MOTOR |
|  | STEEL PIPE STANCHION, WISADDOLE AND U-BOLT. |
|  | CONTROL PANEL (NEMA 4X)
(SEE ELECTRICAL PLANS & SPECS.) |
|  | POSITIVE DISPLACEMENT BLOWER |
|  | 20 HP ELECTRIC MOTOR |
|  | PRESSURE SWITCH |

CH2M HILL
P. O. BOX 21647
AMPA, FLORIDA 33622-1647

 Berryman & Henigar
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640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551

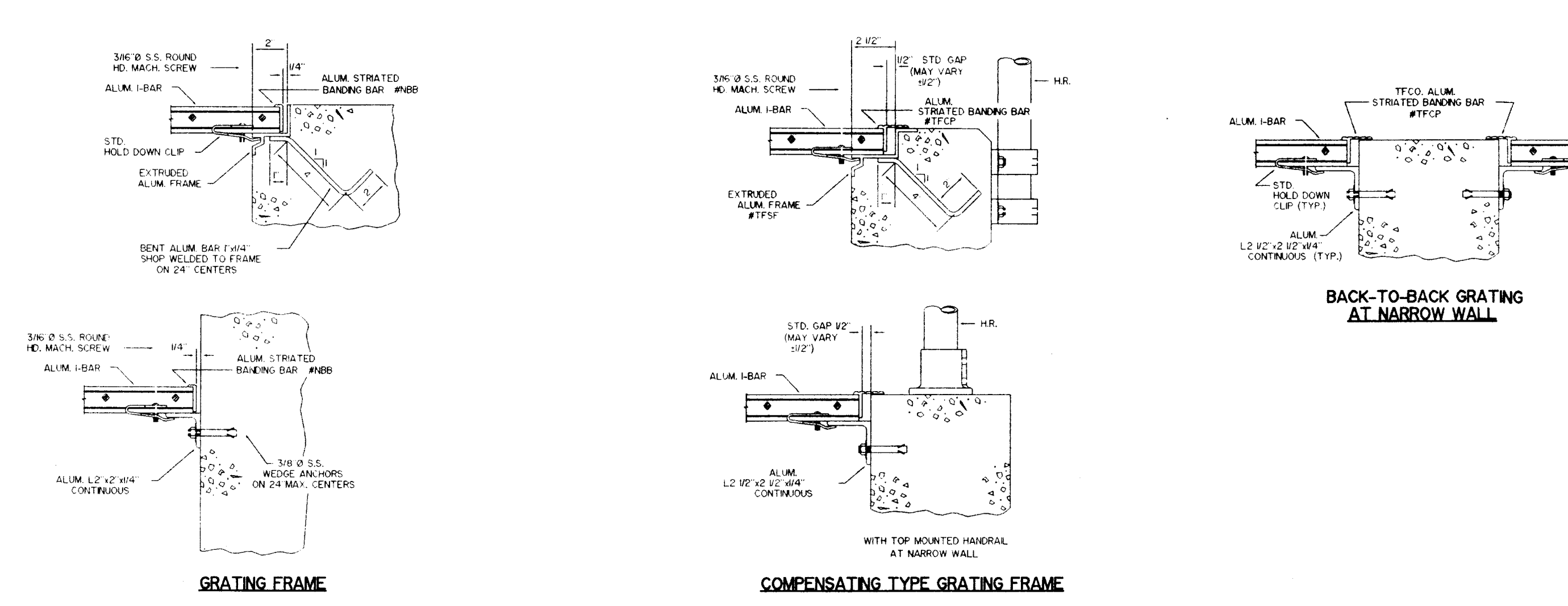
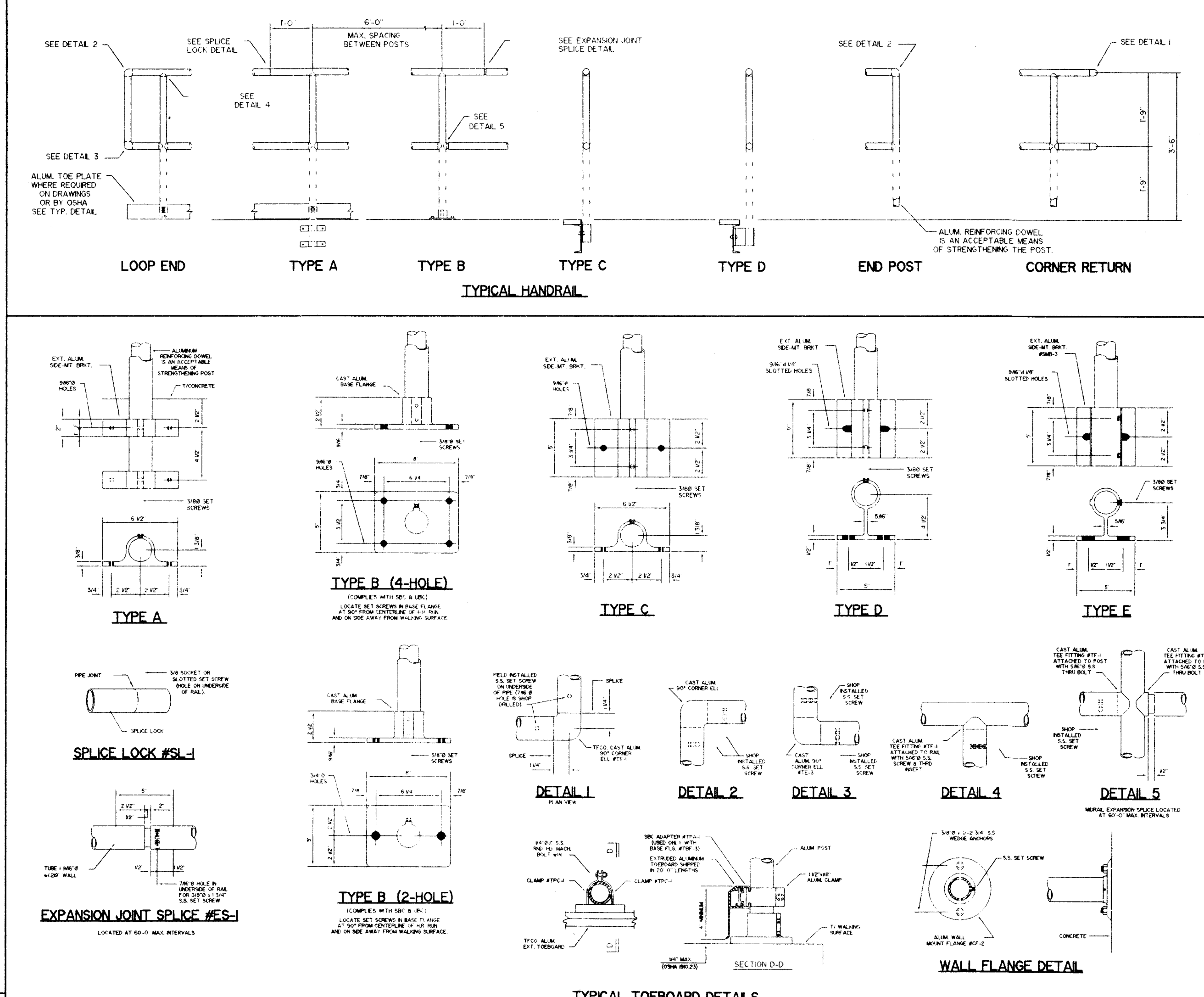
	3/1/95	GENERAL REVISION	A D M.
NO.	DATE	REVISION	APP'D. BY

LEACHATE PUMPING STATION DETAILS

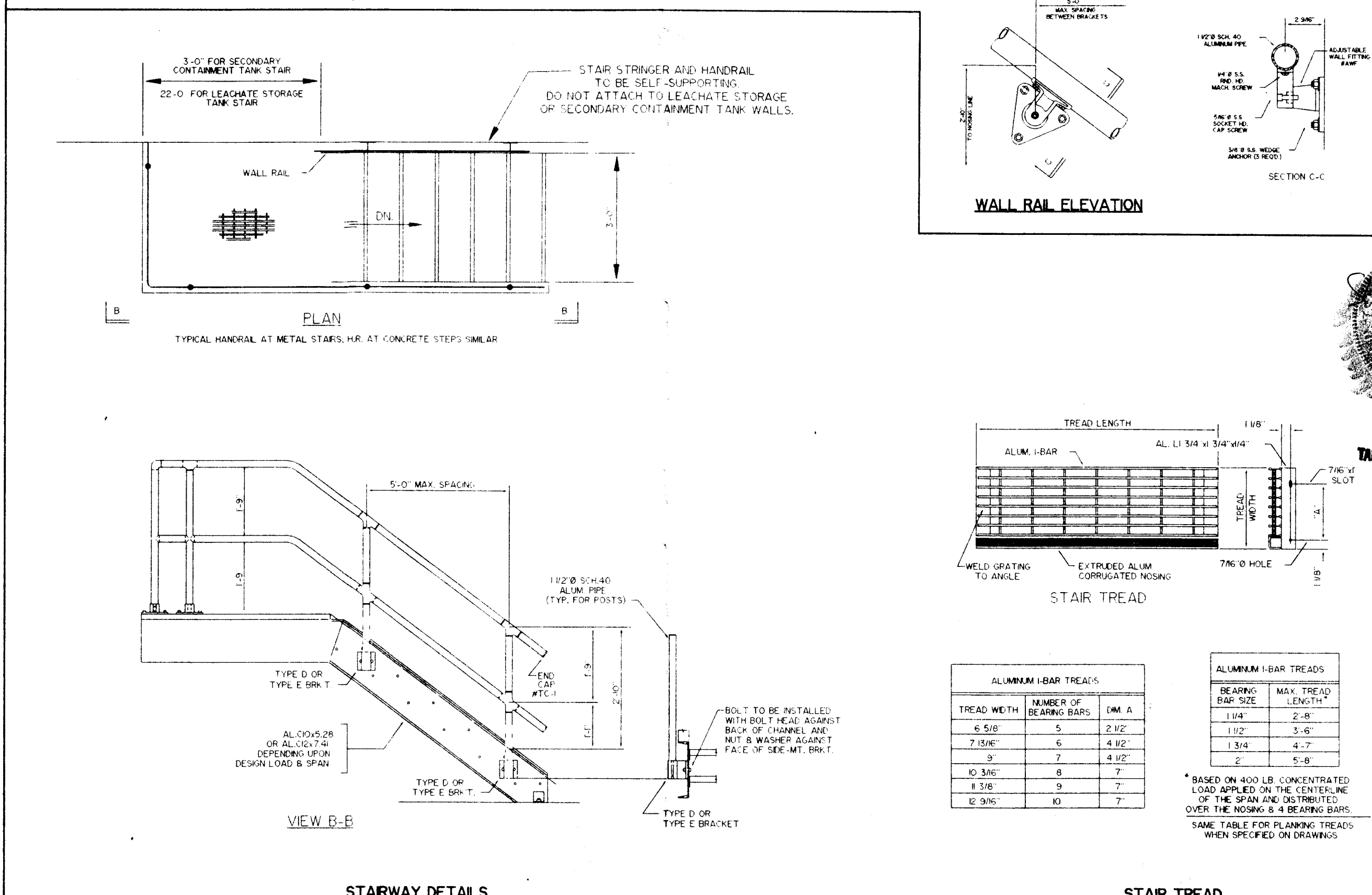
GEORGE J. McDONALD, P.E.
REGISTERED ENGINEER NO. 44740
STATE OF FLORIDA
DATE _____

OB NO. 45085
FILE NO. 5A-345
EC 1
WP 19S RGE 18E
SHT M-4

PROJECT RECORD

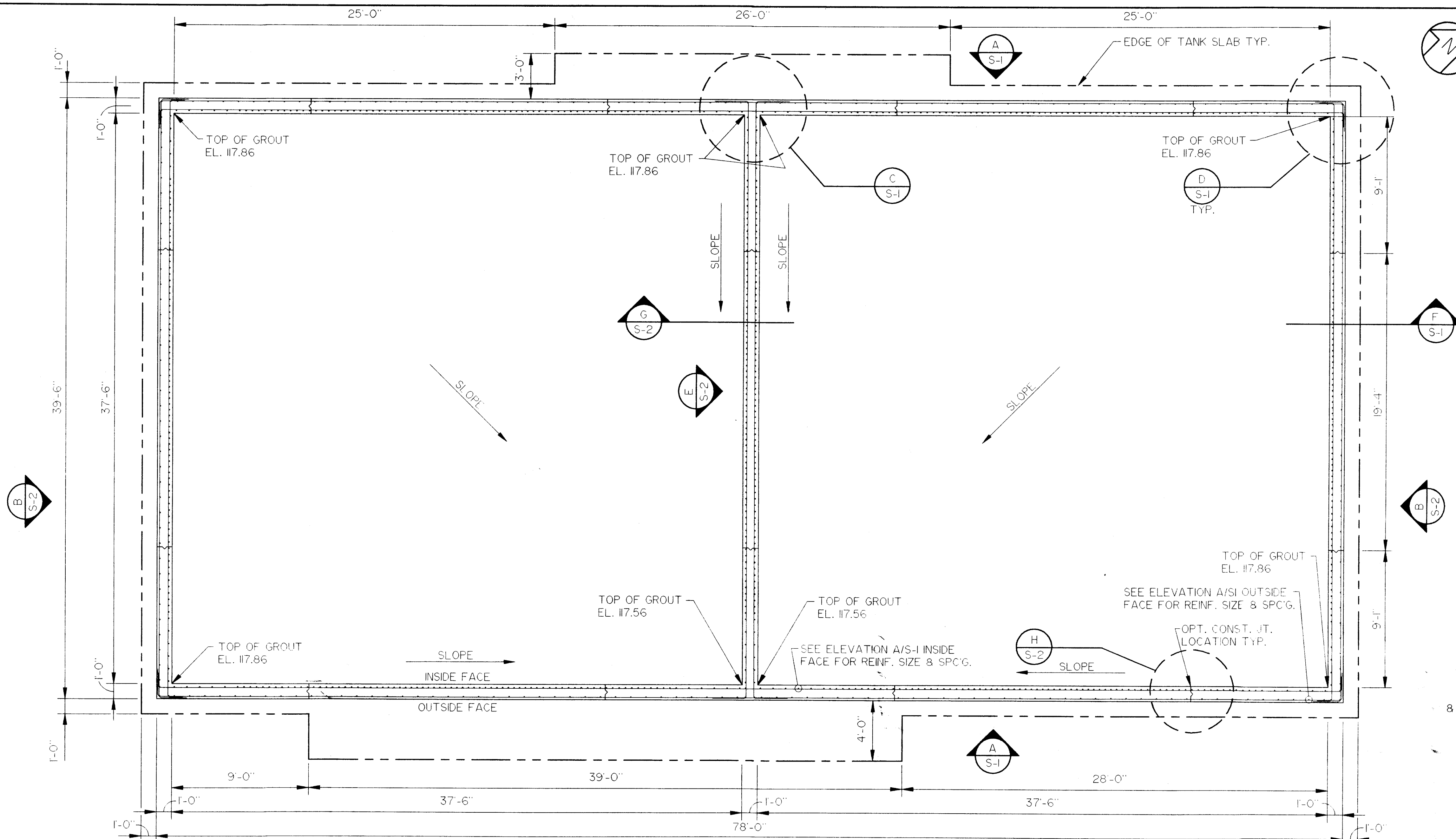


LOAD CHART FOR ALUMINUM I-BAR GRATING	
MAXIMUM SPAN	GRATING DEPTH
5'-0"	1 1/4"
4'-2"	1 1/2"
4'-0"	1 3/4"
5'-2"	2"
5'-0"	2 1/4"
6'-2"	2 1/2"



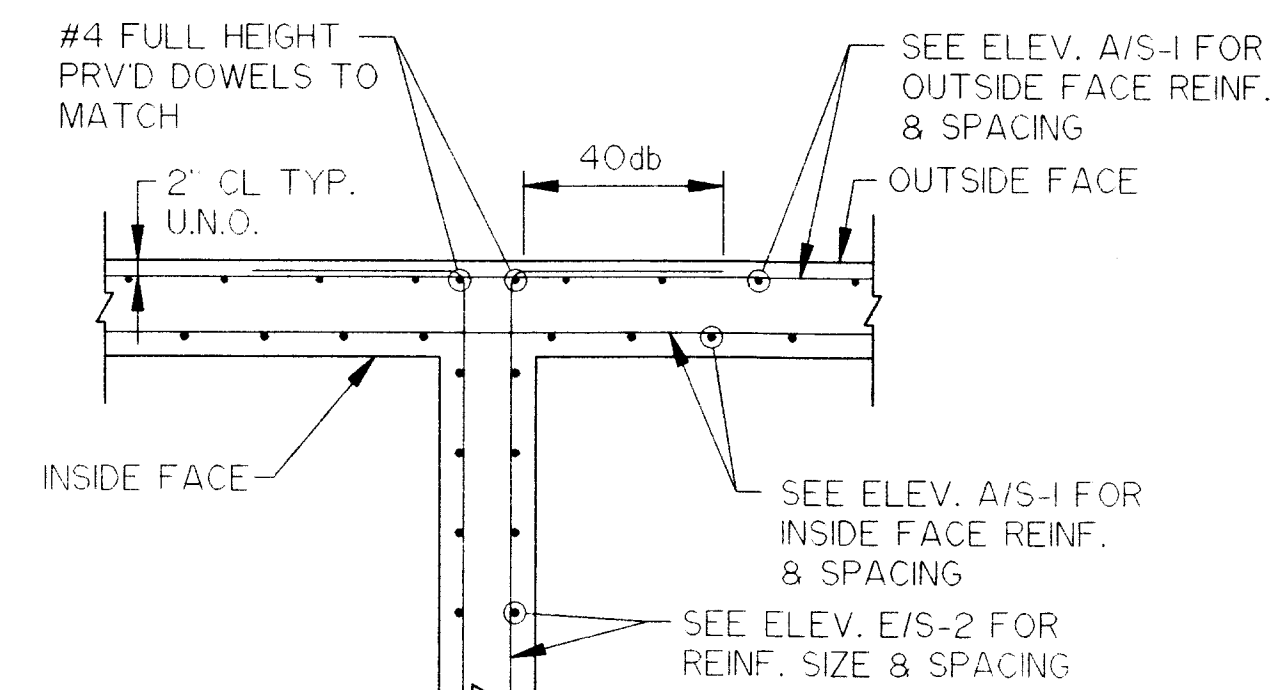
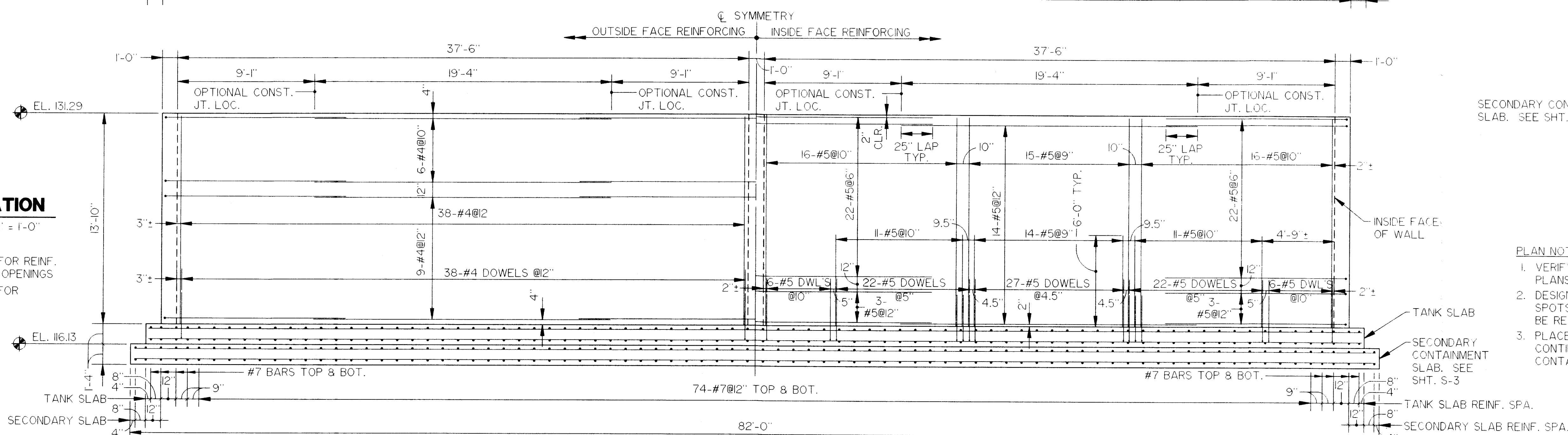
PROJECT RECORD

PLAN VIEW
SCALE: 1/4" = 1'-0"



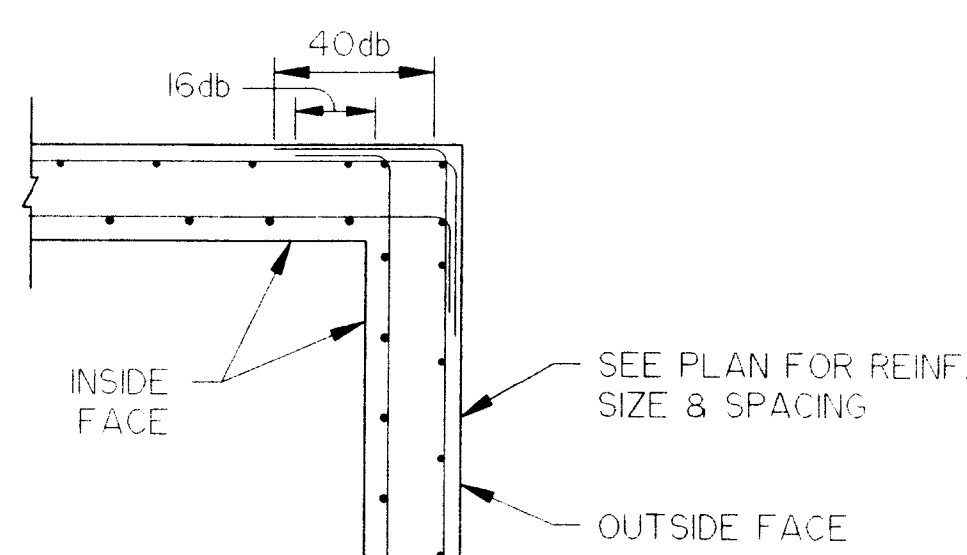
ELEVATION
SCALE: 1/4" = 1'-0"

- SEE DETAIL J/S-2 FOR REINF. REQUIREMENTS AT OPENINGS.
- SEE DRAWING G-2 FOR GENERAL NOTES.



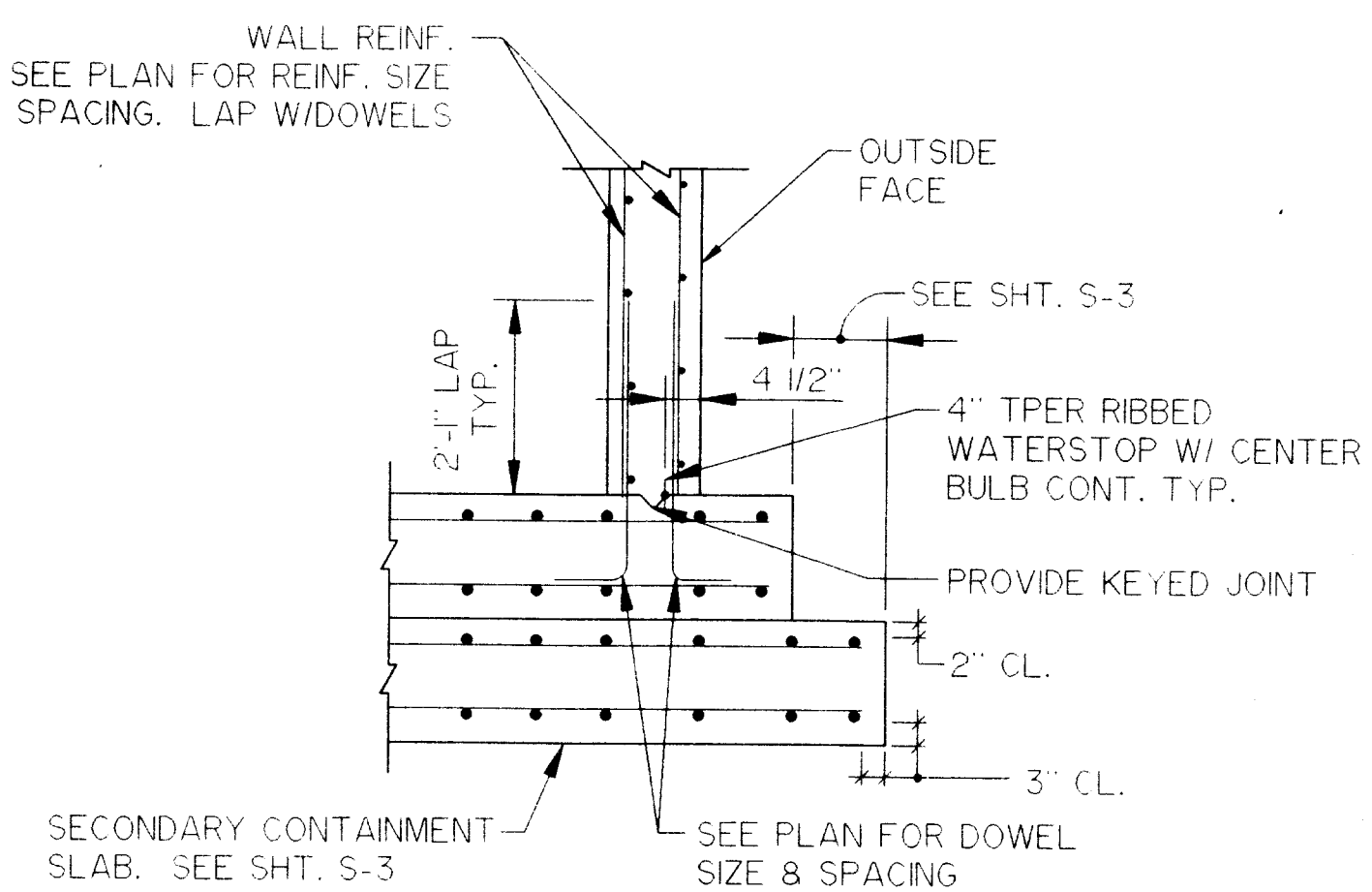
DETAIL C

SCALE: 1/2" = 1'-0"



DETAIL D

SCALE: 1/2" = 1'-0"



SECTION F

SCALE: 1/2" = 1'-0"

PLAN NOTES

- VERIFY LOCATIONS OF WALLS, OPENINGS, ETC. WITH PLANS BEFORE PLACING FOUNDATIONS.
- DESIGN SOIL BEARING PRESSURE 2000 PSF. ANY SOFT SPOTS OR VARIATIONS IN SUBSURFACE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
- PLACE TWO LAYERS OF 6 MIL POLYETHYLENE SHEETING CONTINUOUS BETWEEN TANK BASE SLAB AND SECONDARY CONTAINMENT SLAB.

CH2M HILL
P. O. BOX 21647
TAMPA, FLORIDA 33622-1647

SCALE: A.S.
DRAWN: K.A.C.
CHECKED: D.A.B.
DATE: 4-7-95

Berryman & Henigar
BSI Consultants, Inc. • Henigar & Ray, Inc.
640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551

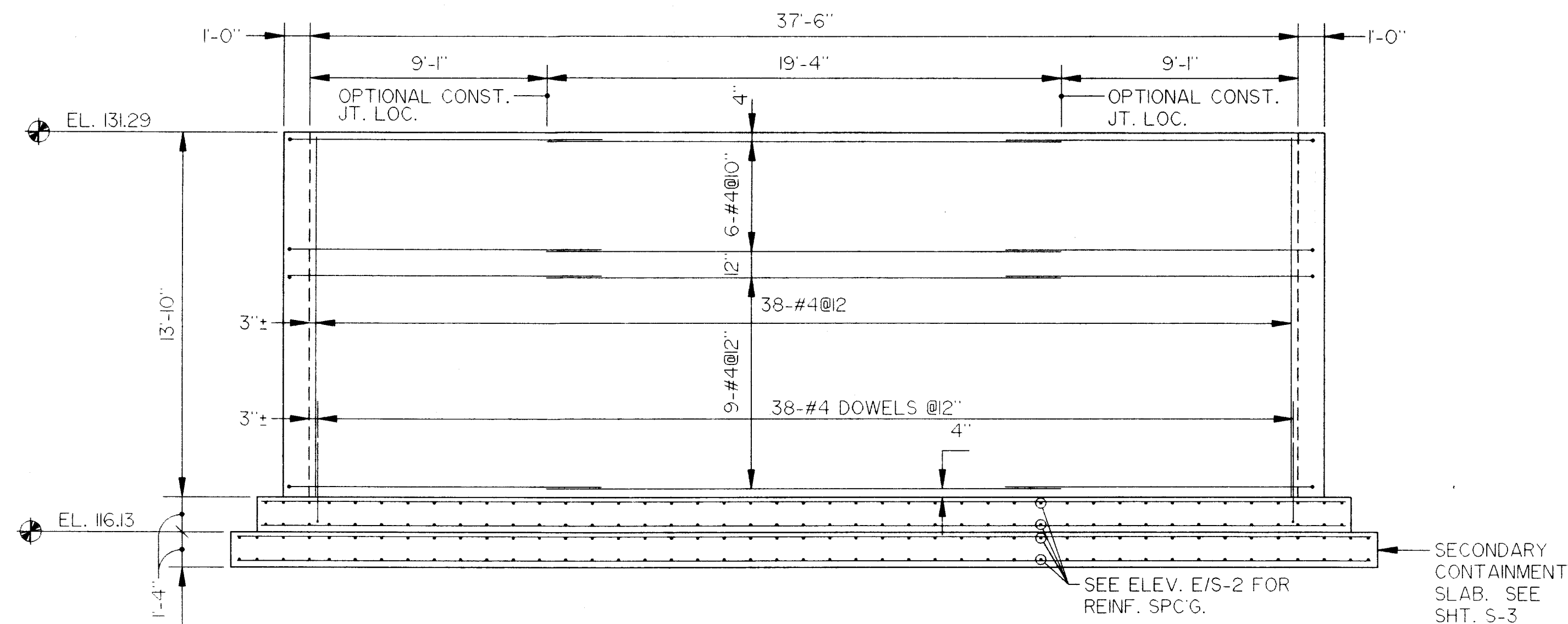
NO.	DATE	REVISION	APP'D. BY
1	10-17-95	ADD SECONDARY SLAB BELOW TANK	D.A.B.

**CITRUS COUNTY CENTRAL LANDFILL
LEACHATE STORAGE TANK**

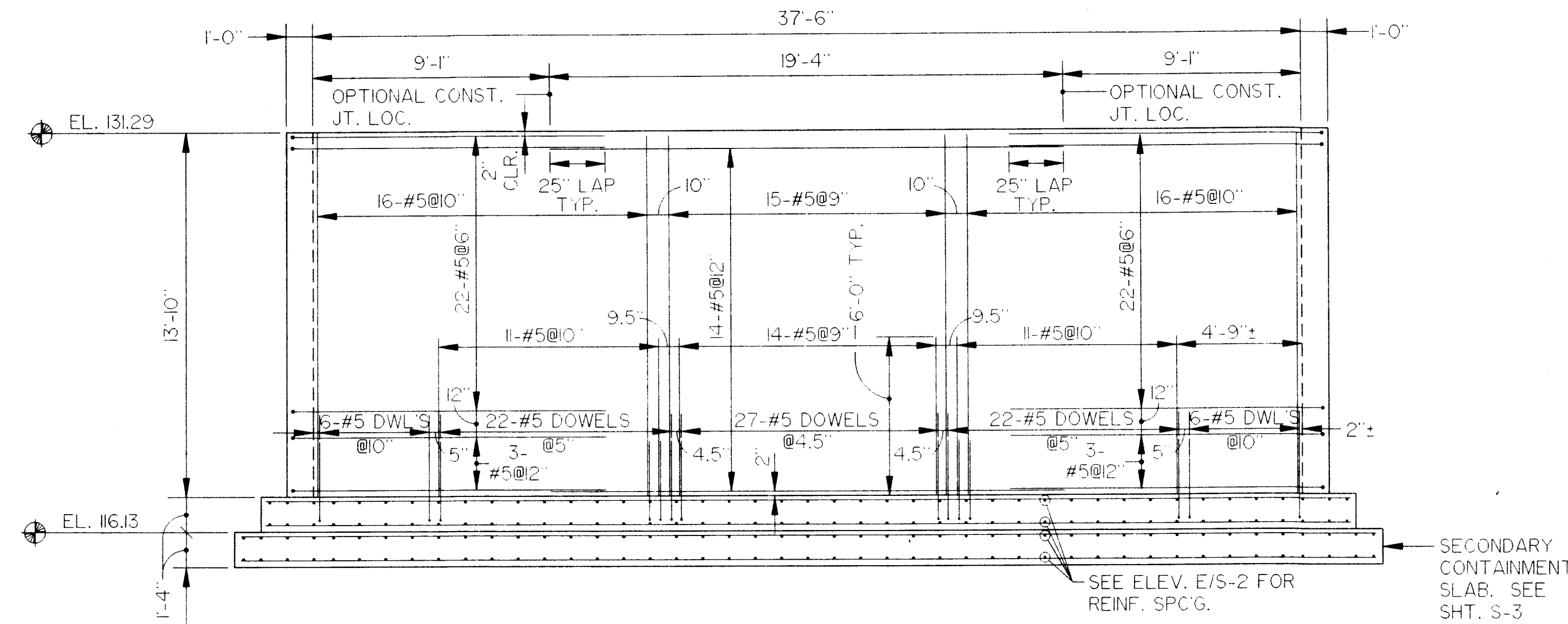
**STRUCTURAL PLAN &
DETAILS**

DAVID BRITTAIN, P.E.
REGISTERED ENGINEER NO. 44947
STATE OF FLORIDA
DATE

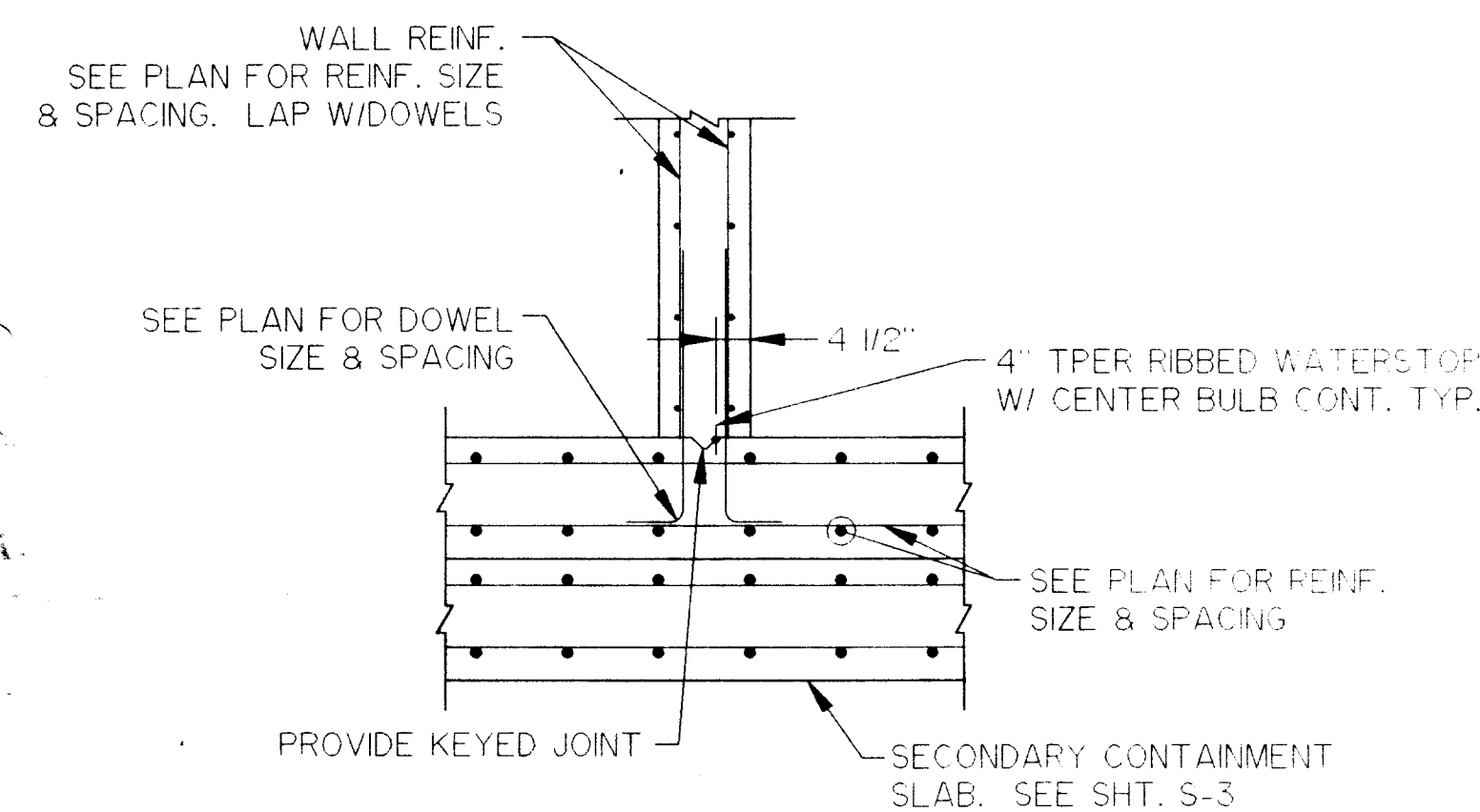
JOB NO. 45085
FILE NO.
SEC. RGE
SHT S-1



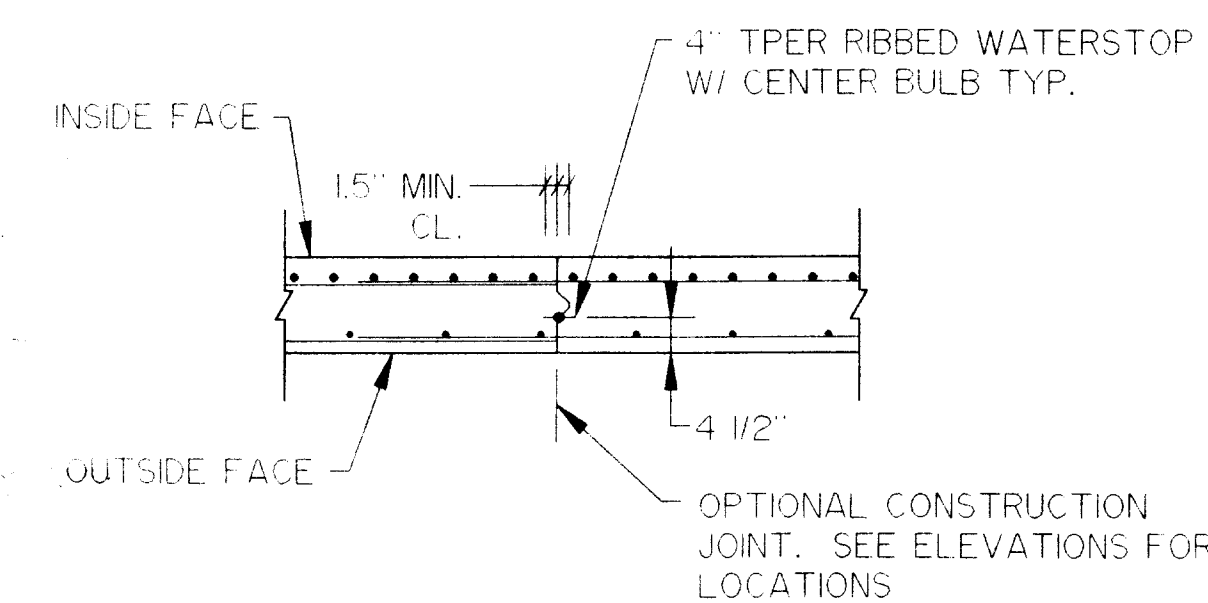
B
S-2
ELEVATION (OUTSIDE FACE)
SCALE, 1/4" = 1'-0"



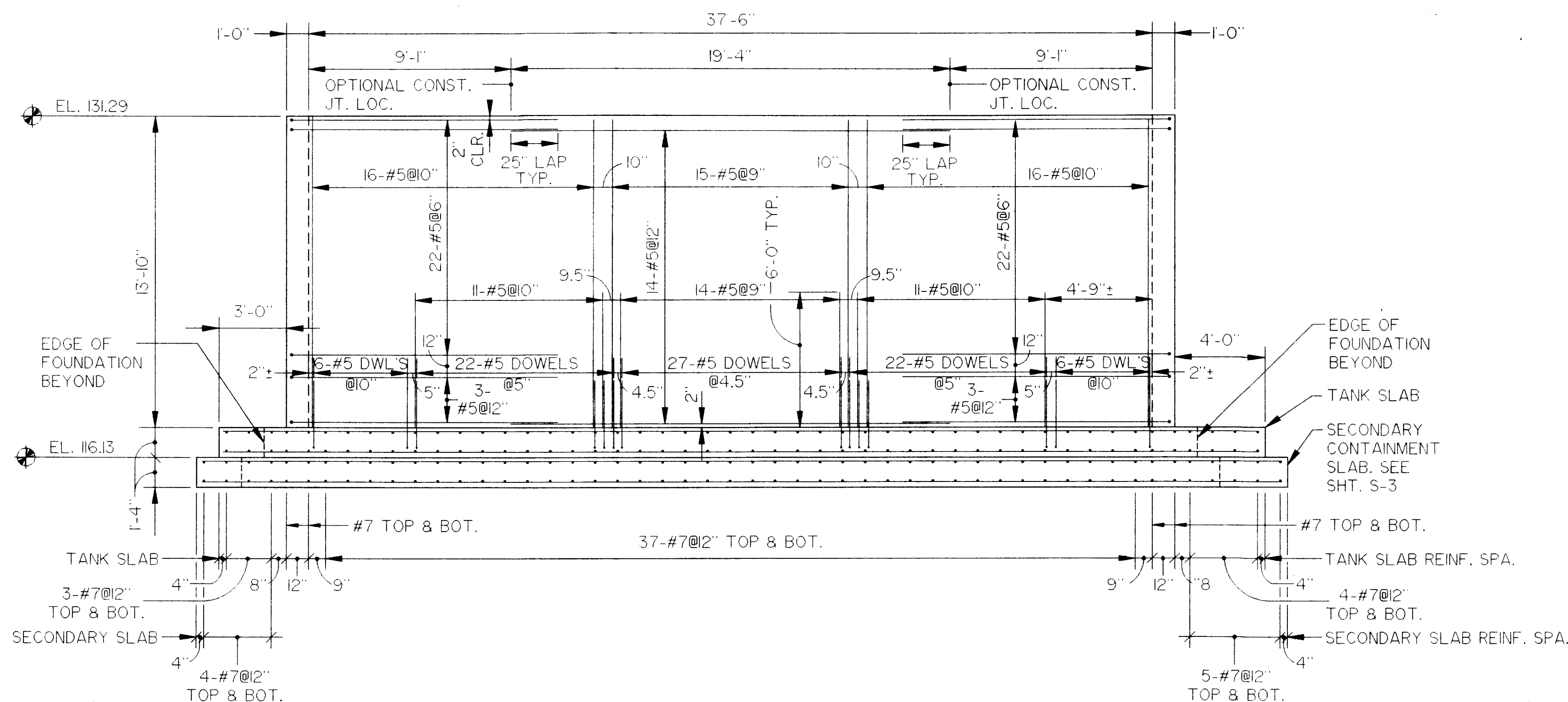
B
S-2
ELEVATION (INSIDE FACE)
SCALE, 1/4" = 1'-0"



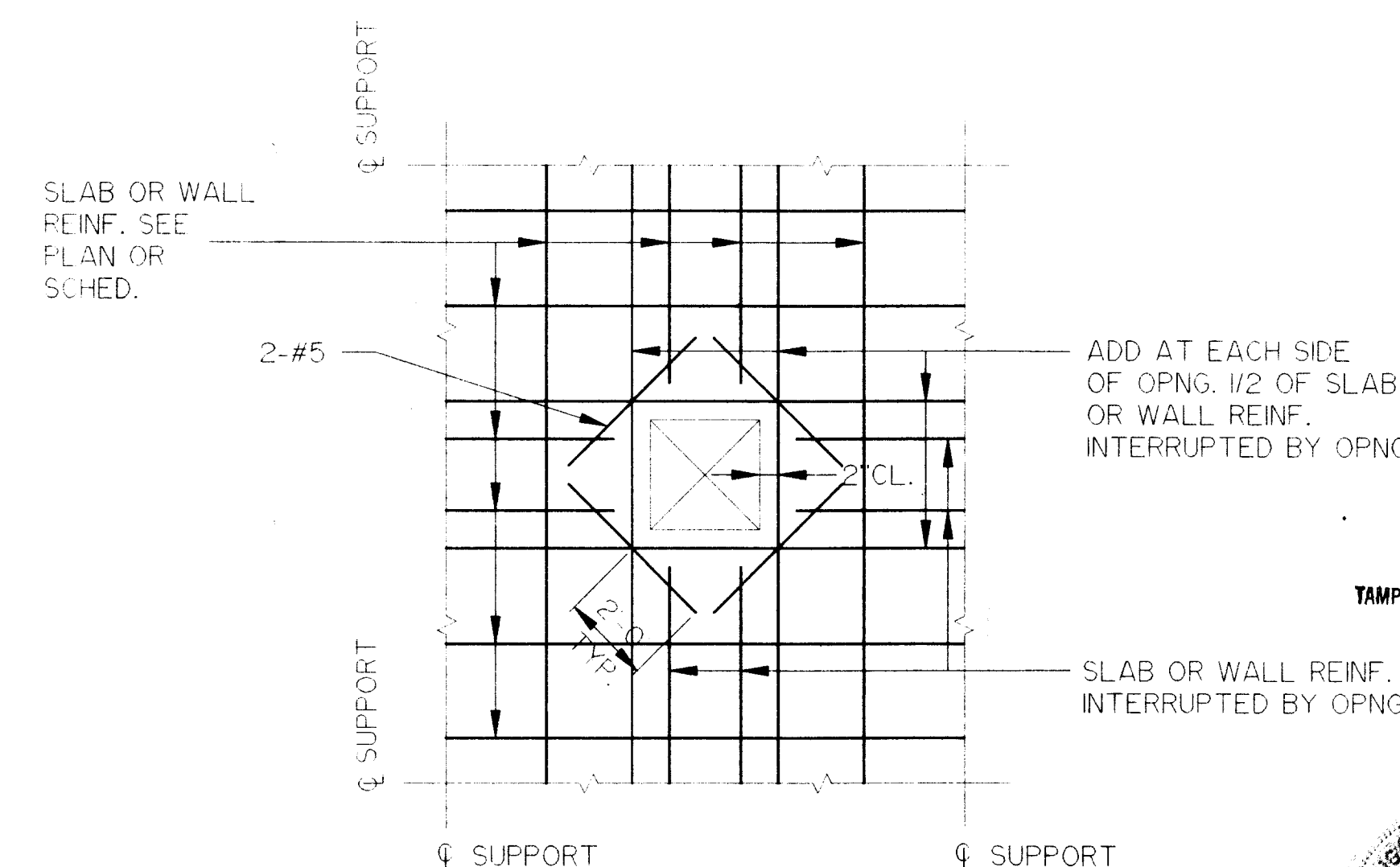
G
S-2
SECTION
SCALE, 1/2" = 1'-0"



H
S-2
DETAIL
SCALE, 1/2" = 1'-0"

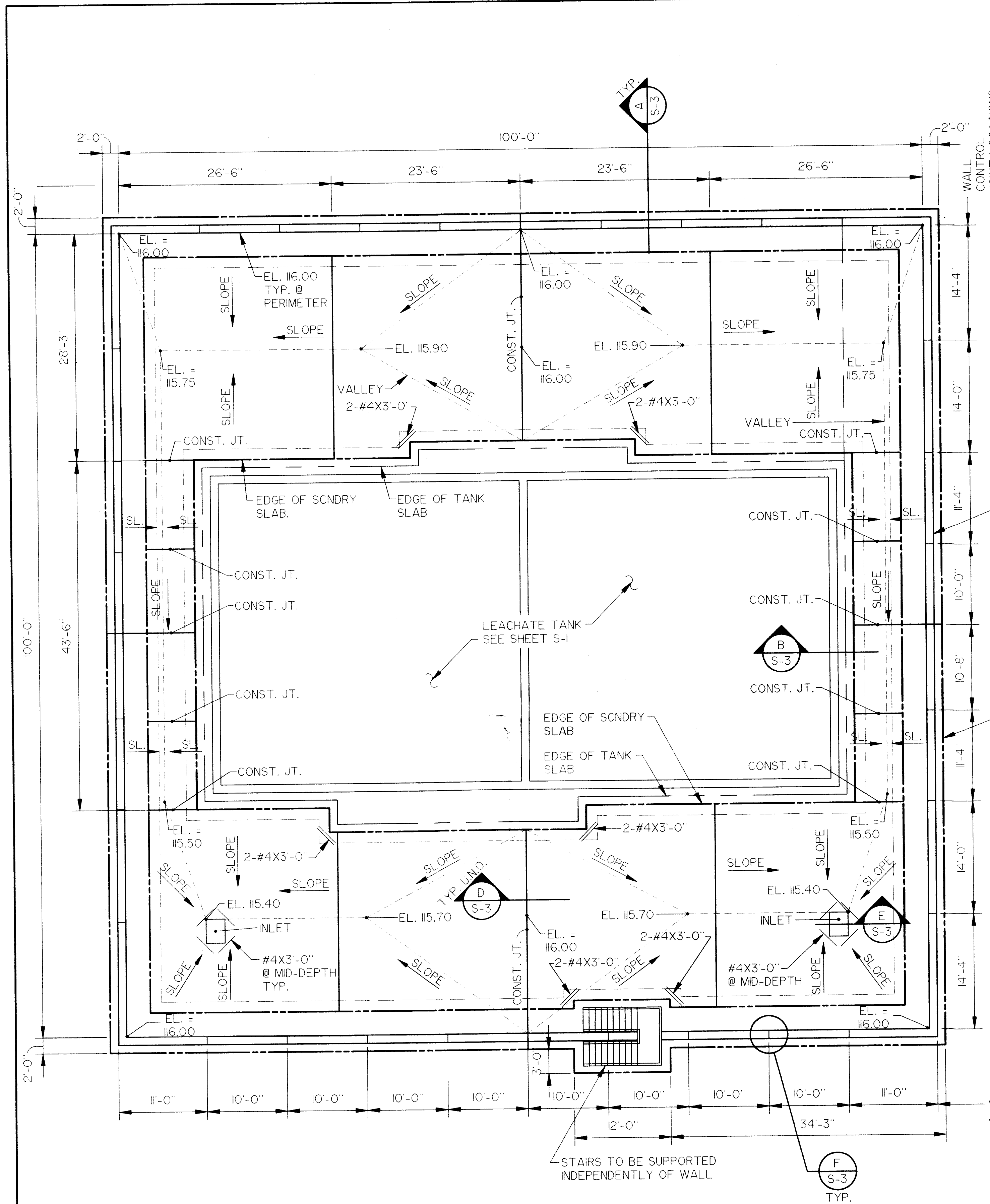


E
S-2
ELEVATION (BOTH FACES)
SCALE, 1/4" = 1'-0"

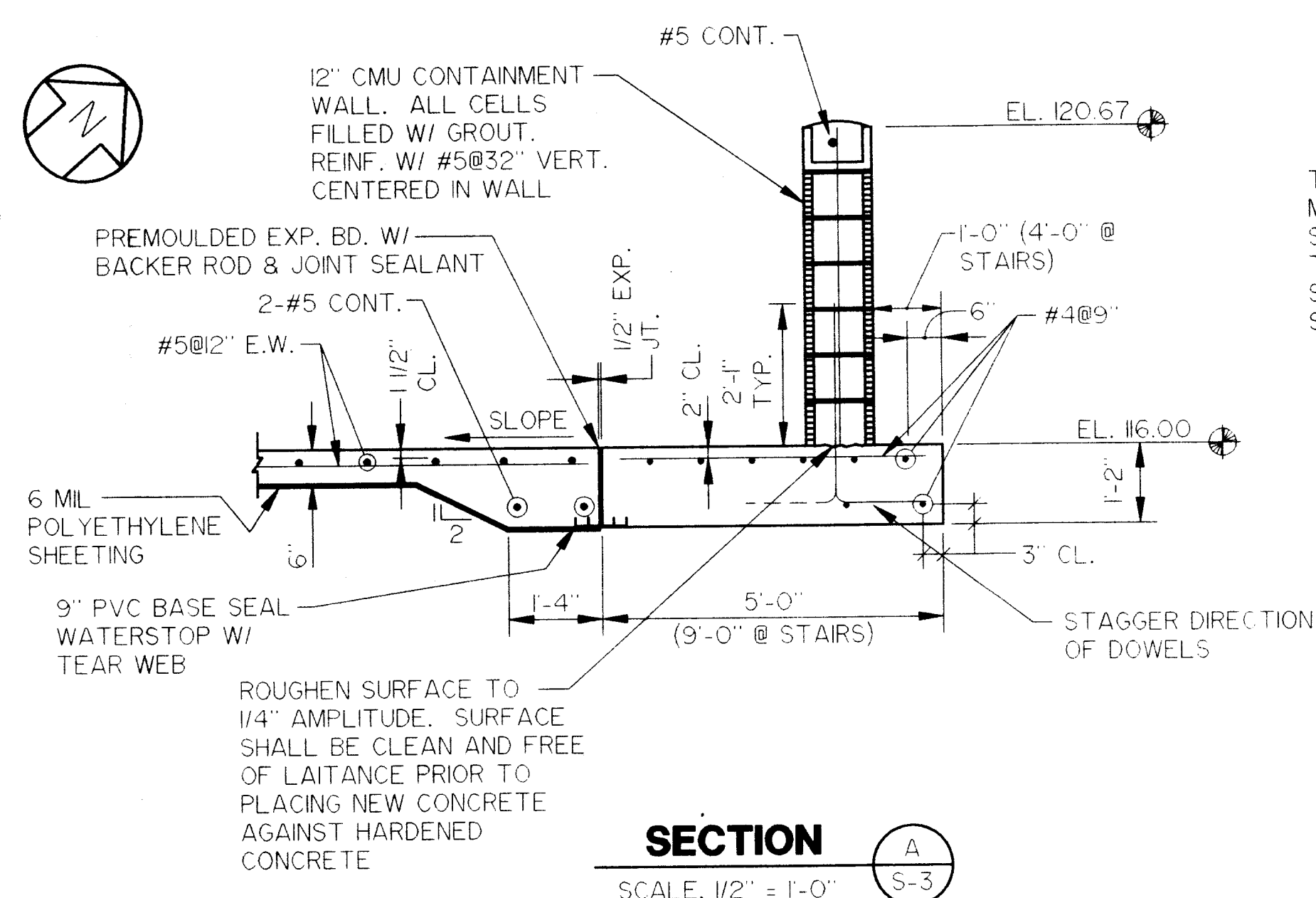


J
S-2
DETAIL
SCALE, N.T.S.

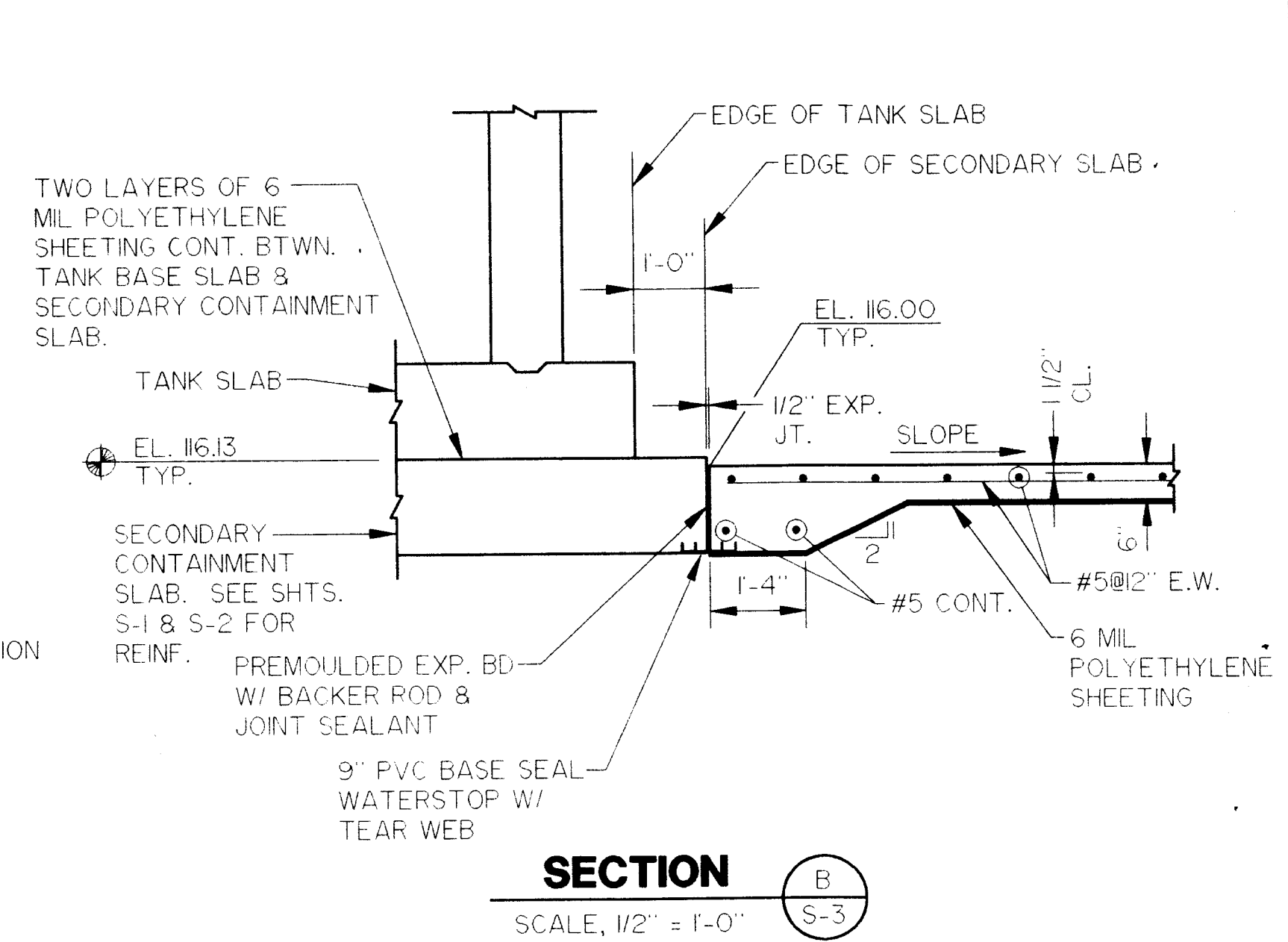
PROJECT RECORD



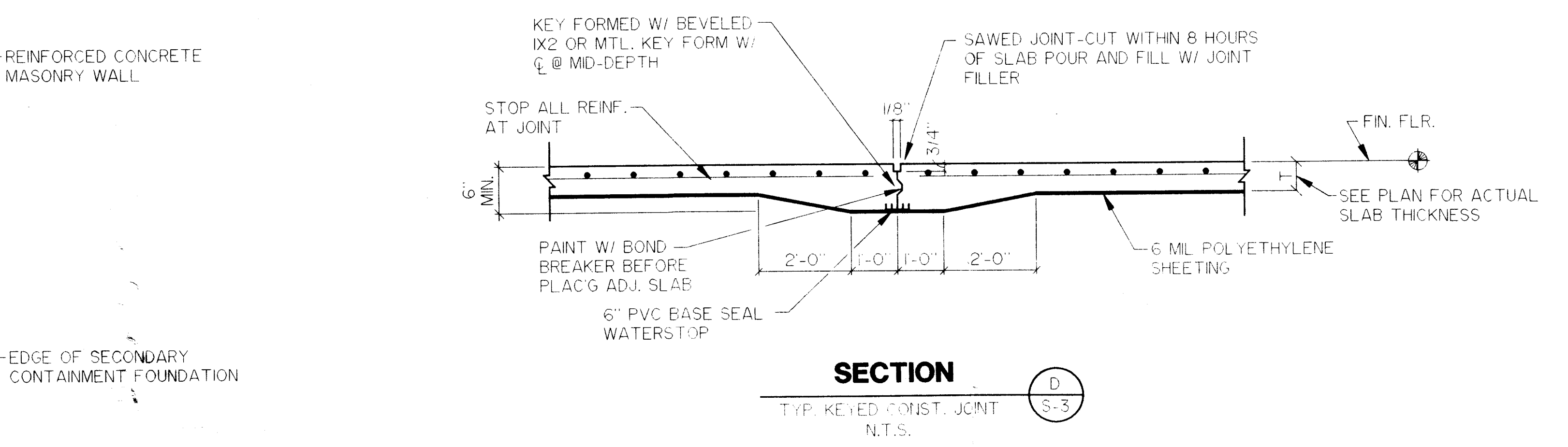
PLAN VIEW
SCALE, 1/8" = 1'-0"



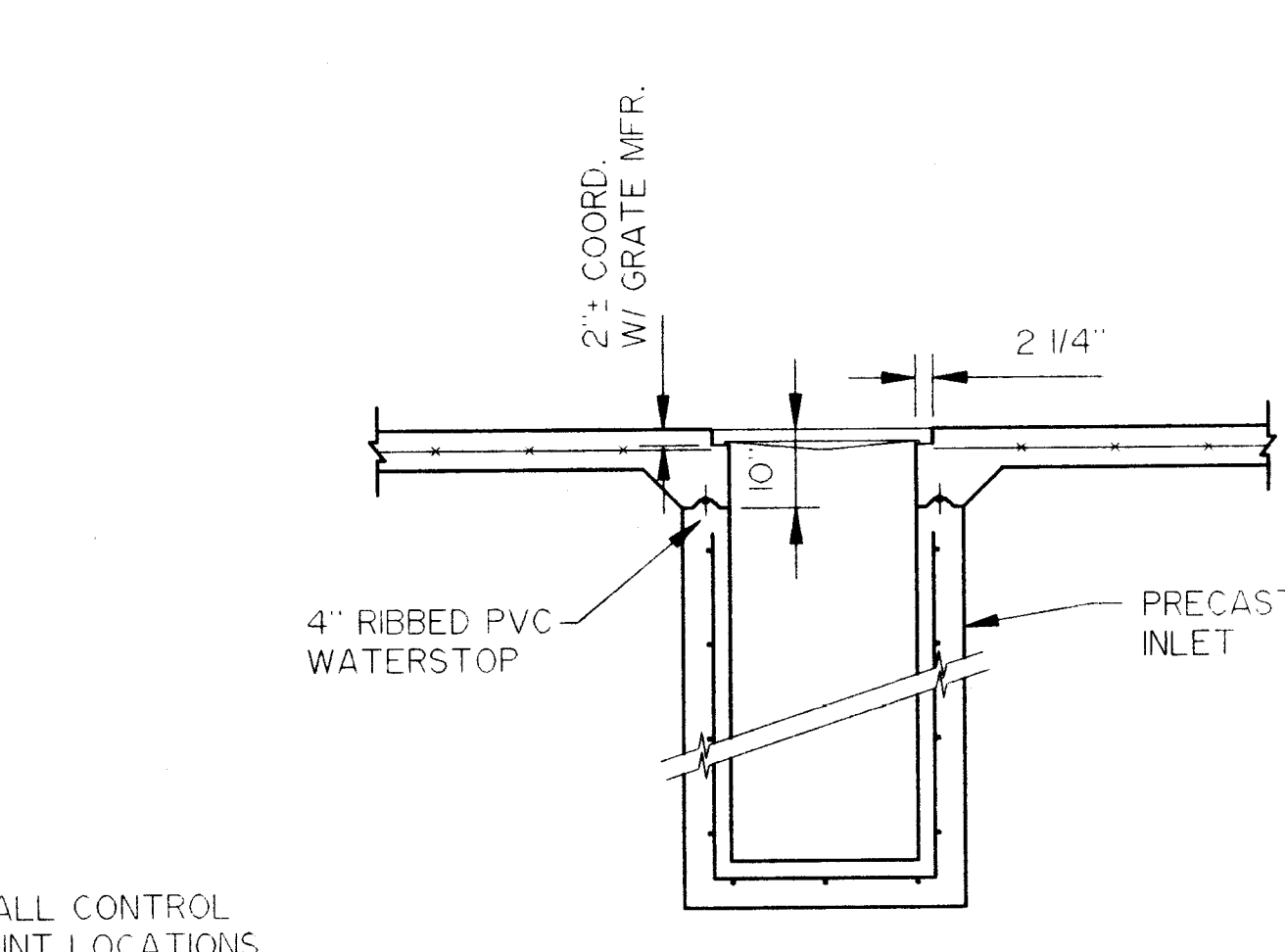
SECTION A
SCALE, 1/2" = 1'-0"



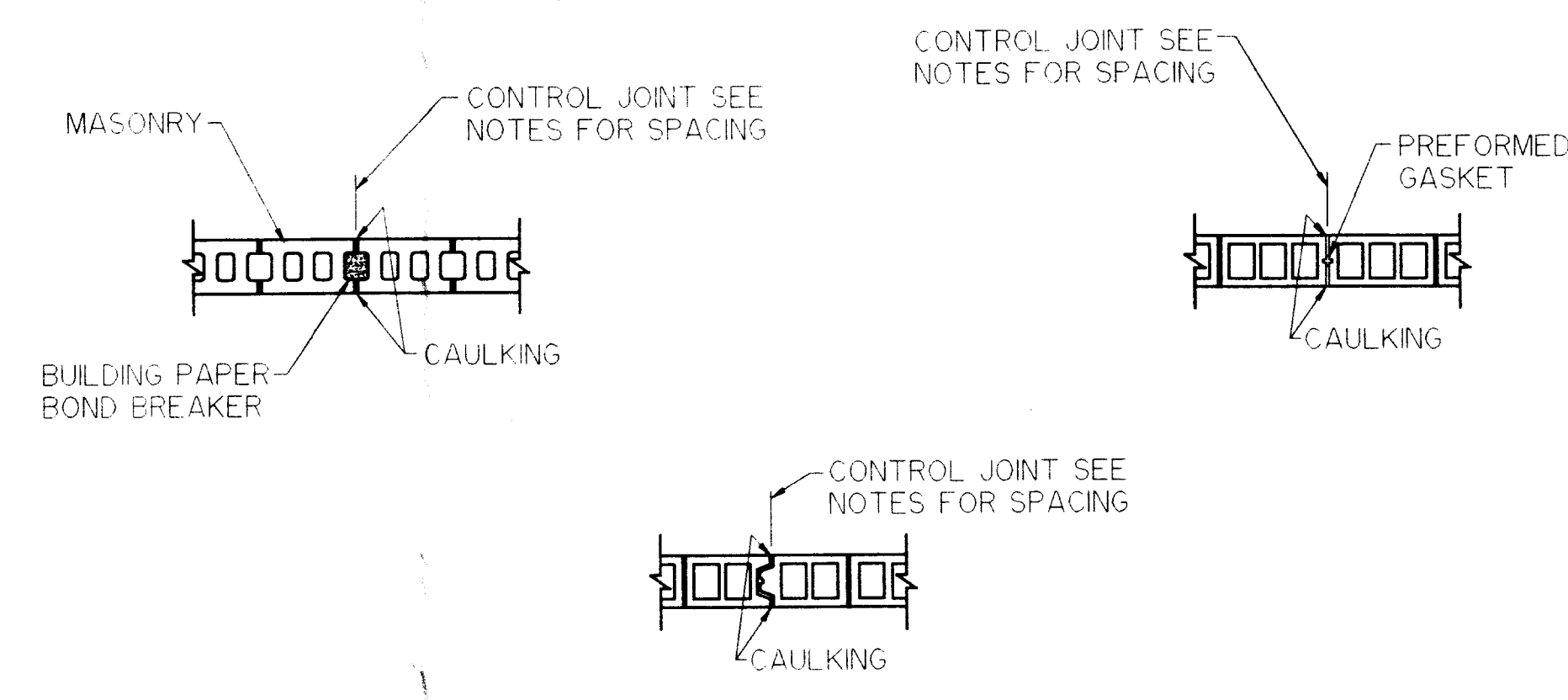
SECTION B
SCALE, 1/2" = 1'-0"



SECTION C
TYP. KEED CONST. JOINT
N.T.S.



SECTION D
SCALE, 1/2" = 1'-0"

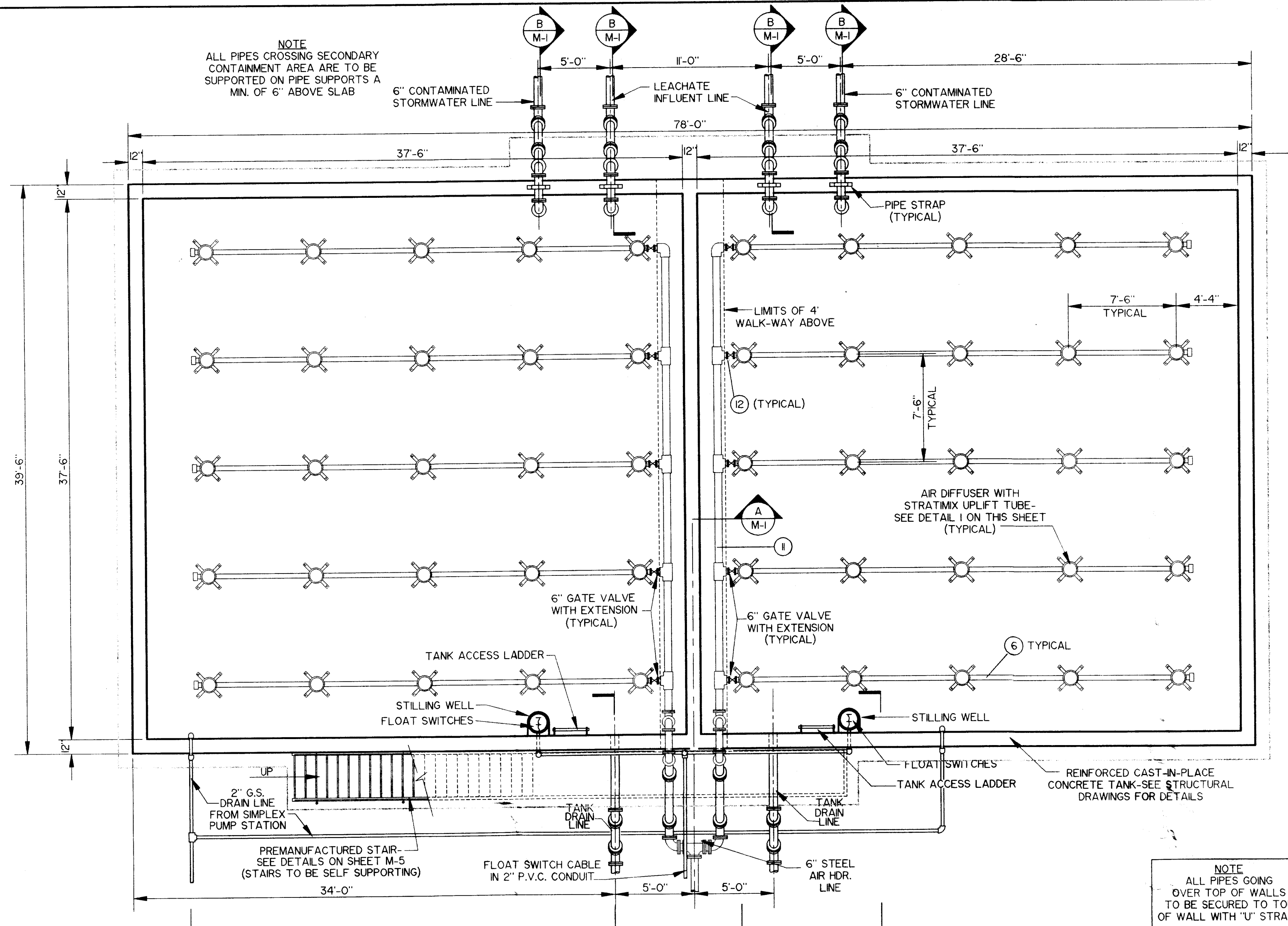


DETAILS
TYP. CONTROL JOINTS
N.T.S.

NOTE: STOP ALL REINF. ACROSS CONTROL JOINTS.
INCLUDING BOND BEAM REINF.

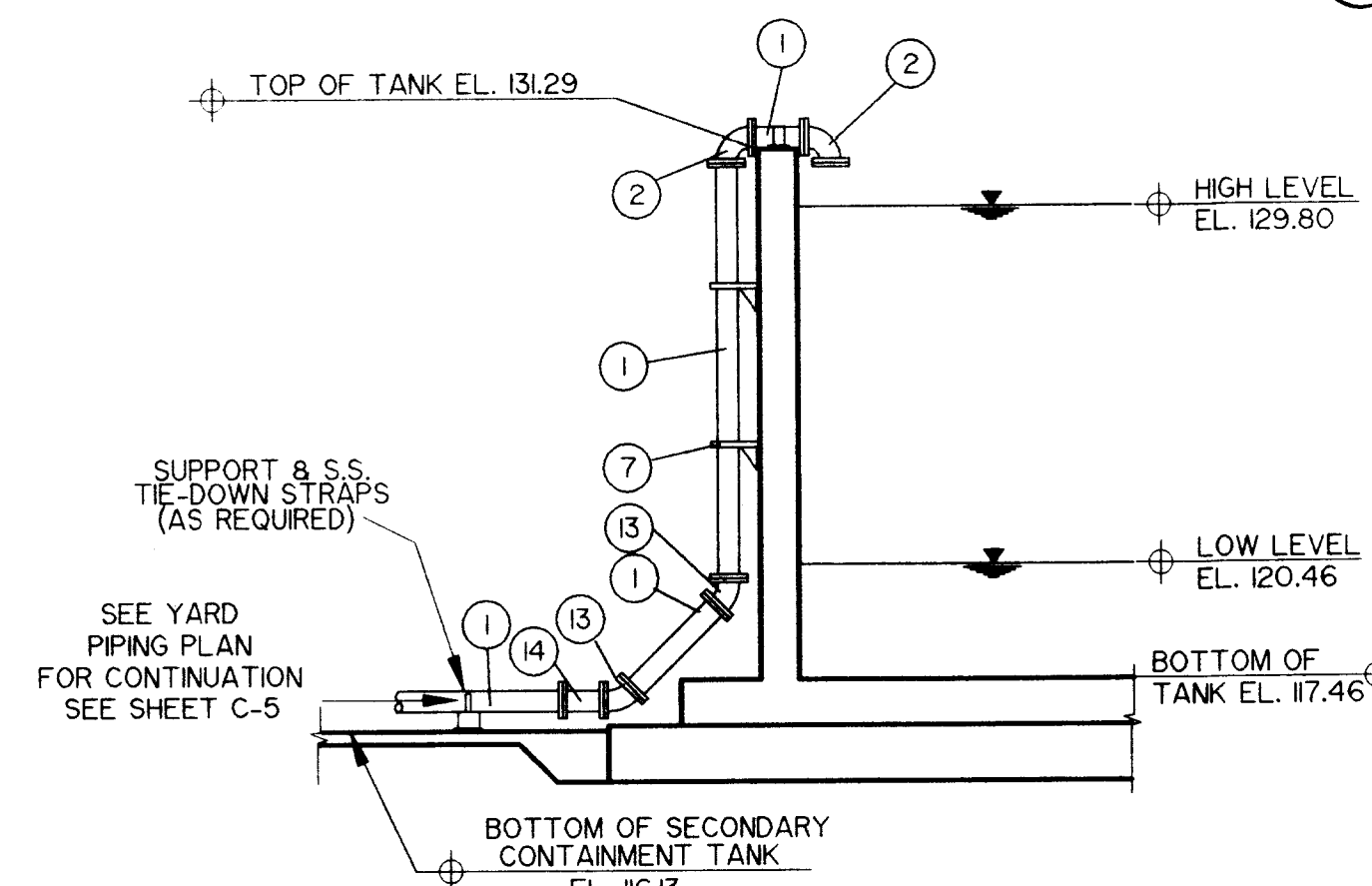
PROJECT RECORD

DESIGNED <u>A.S.</u>	10-17-95	ADD SECONDARY SLAB BELOW TANK	D.A.B.	CITRUS COUNTY CENTRAL LANDFILL LEACHATE STORAGE TANK	SECONDARY CONTAINMENT PLAN	JOB NO. 45085 FILE NO. 5A-345 SEC. 1 TWP 19S RGE 18E SHT S-3
DRAWN <u>K.A.C.</u>						
CHECKED <u>D.A.B.</u>						
DATE <u>4-7-95</u>						
Berryman & Henigar <i>BSI Consultants, Inc. • Henigar & Ray, Inc.</i> 640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551						DAVID BRITTAIN, P.E. REGISTERED ENGINEER NO. 44947 STATE OF FLORIDA DATE

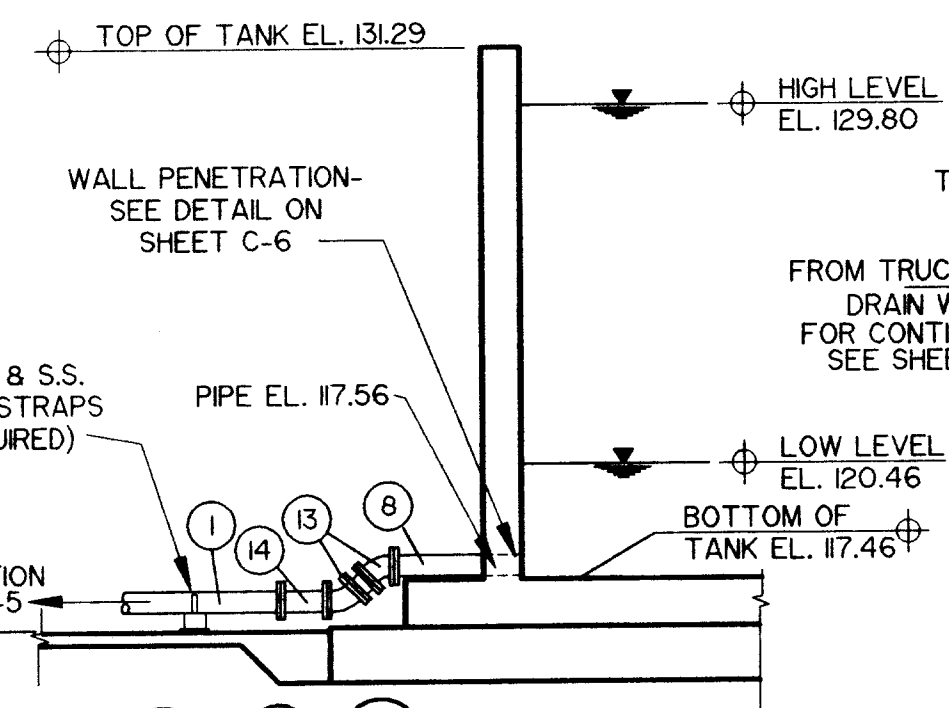


MECHANICAL PLAN
SCALE: 1" = 5'

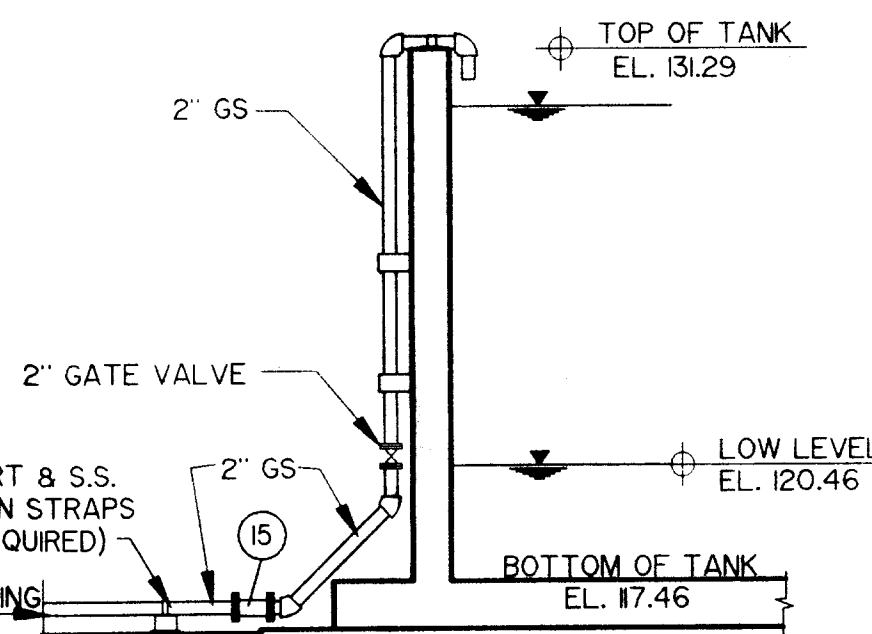
PROJECT RECORD



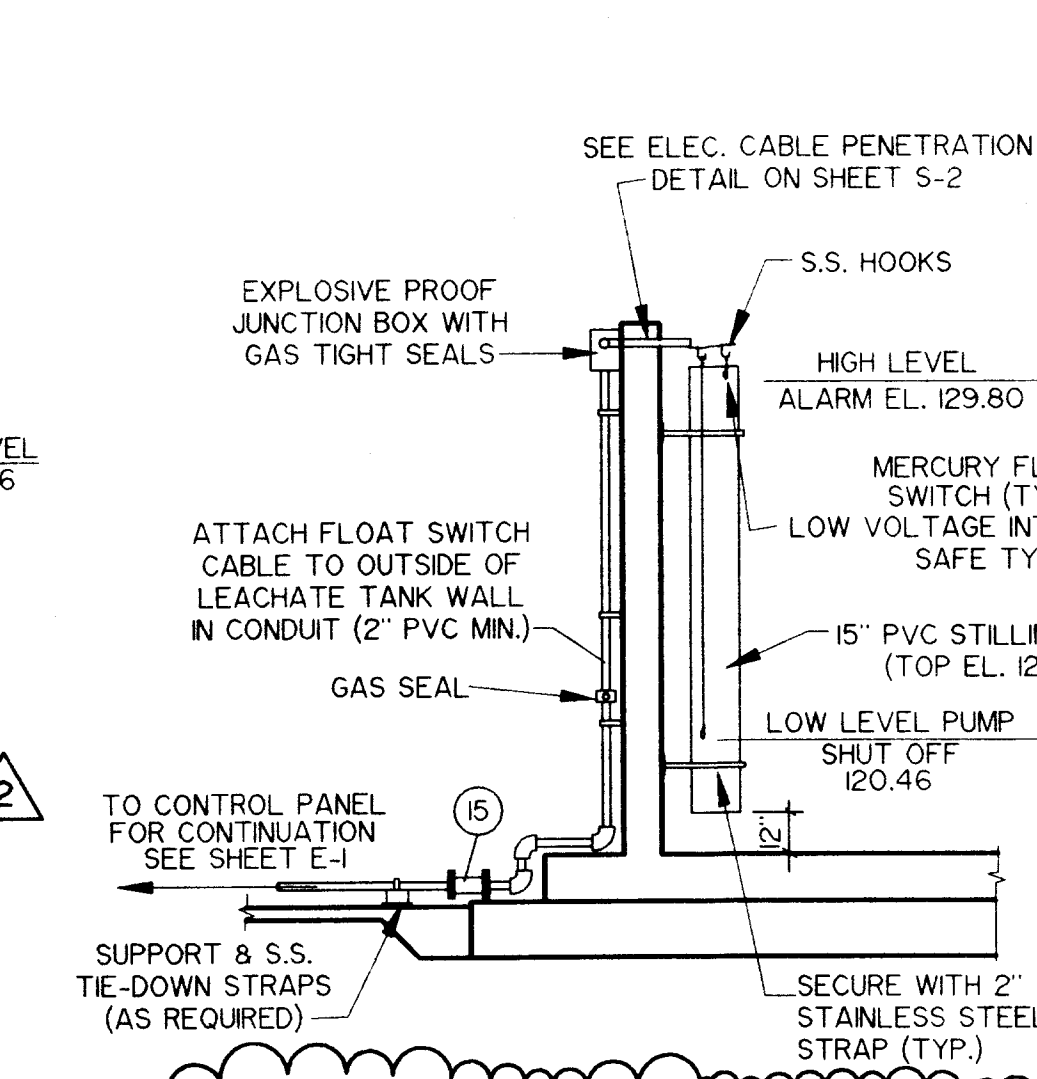
SECTION
SCALE: 1" = 5'



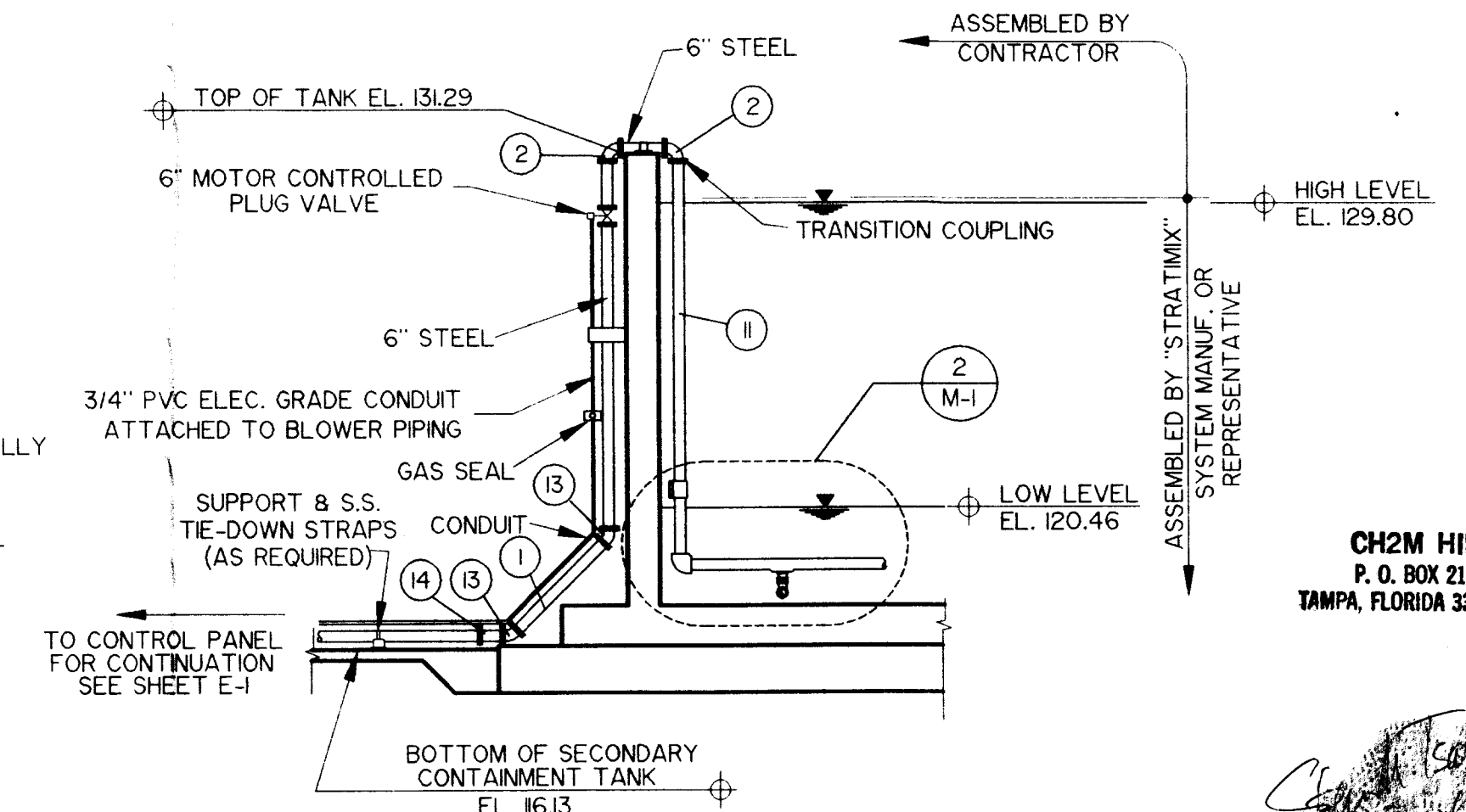
SECTION
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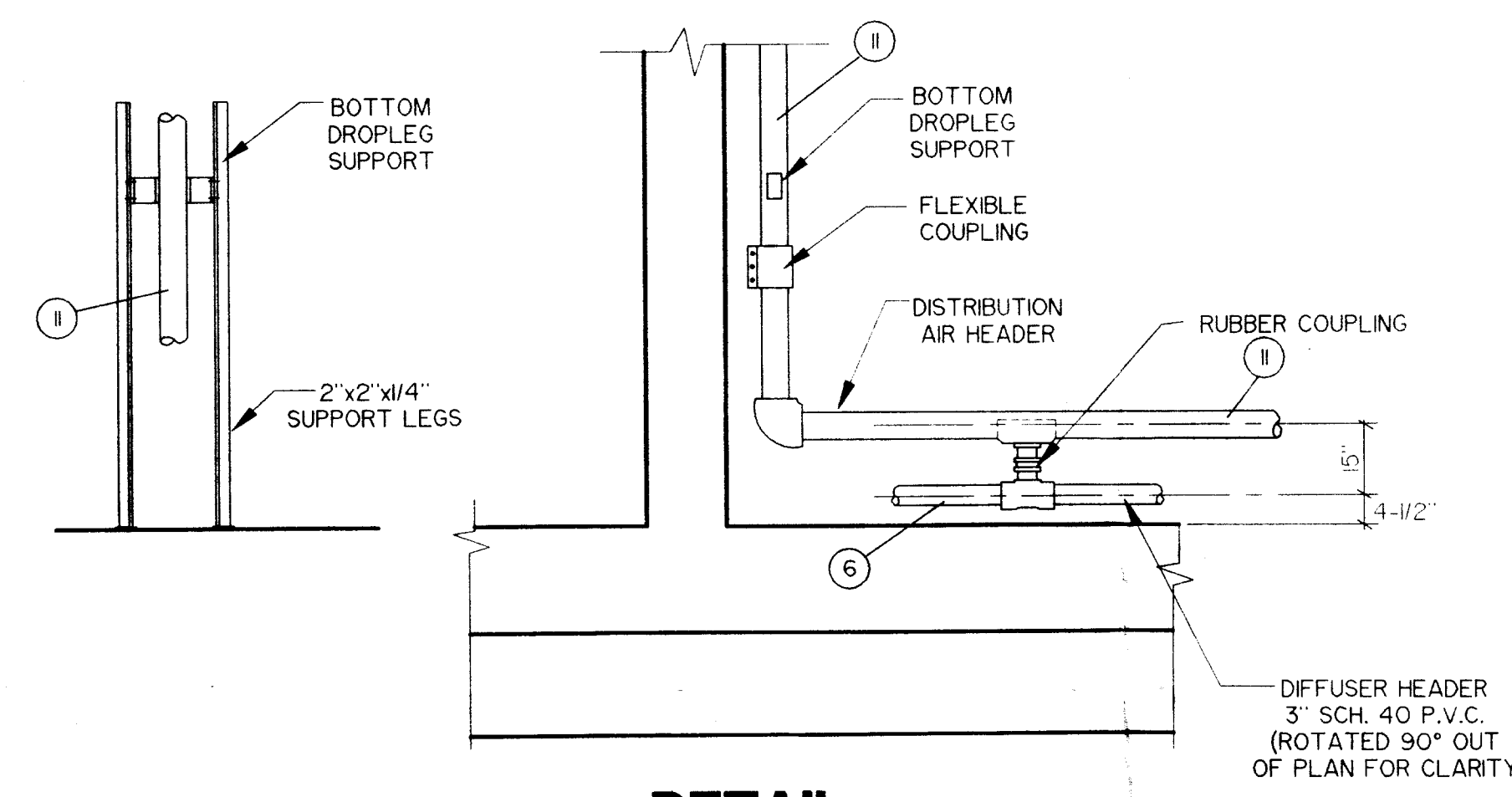
SECTION
SCALE: 1" = 5'



FLOAT SWITCH DETAIL
SCALE: 1" = 5'

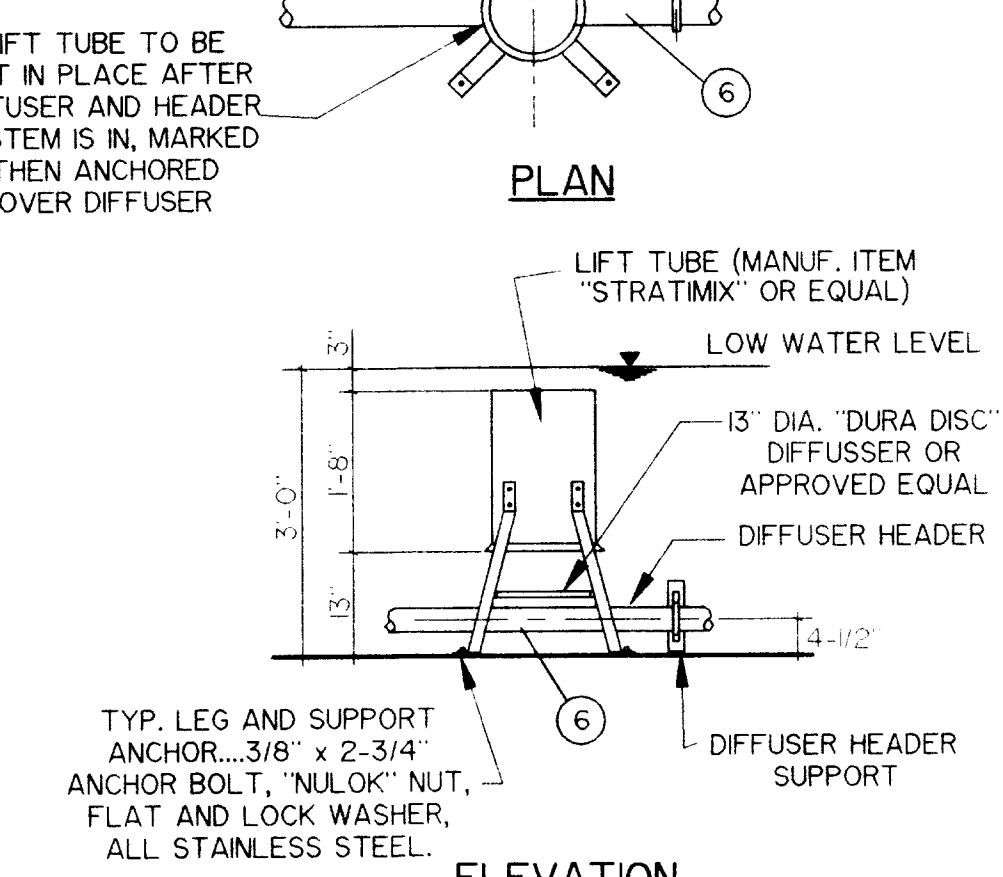


SECTION
SCALE: 1" = 5'



DETAIL
AIR HEADER
SCALE: 1" = 2'

DETAIL
TYPICAL STRATIMIX
SCALE: 1" = 2'



PLAN

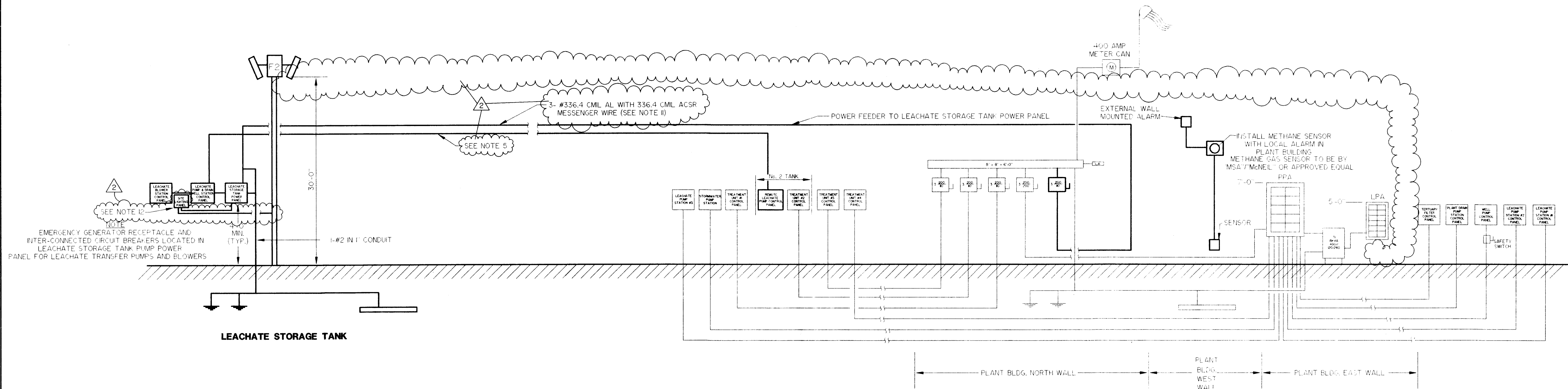
ELEVATION

PIPING SCHEDULE

- 1 6" D.I.P.
- 2 6" F.E. 90° BEND
- 3 6" D.I.P./P.V.C. FLANGE ADAPTER
- 4 6" P.V.C. C-900 DR18
- 5 6" M.J. 90° BEND
- 6 3" STAINLESS STEEL PIPING
- 7 S.S. SUPPORT BRACKETS GRINNEL OR EQUAL
- 8 6" D.I.P. WALL PIPE
- 9 6" PLUG VALVE
- 10 6" F.E. 90° BEND
- 11 6" STAINLESS STEEL PIPING
- 12 3" DOUBLE DISC NRS GATE VALVE (MJ X MJ ENDS)
- 13 6" F.E. 45° BEND
- 14 6" EXPANSION JOINT
- 15 2" EXPANSION JOINT

NOTE
ALL PIPES CROSSING SECONDARY CONTAINMENT AREA ARE TO BE SUPPORTED ON PIPE SUPPORTS A MIN. OF 6" ABOVE SLAB

SECTION
SCALE: 1" = 5'



ELECTRICAL RISER DIAGRAM

NOT TO SCALE

NOTE: BOLD DETAIL INDICATES NEW INSTALLATION AND EQUIPMENT

NOTES:

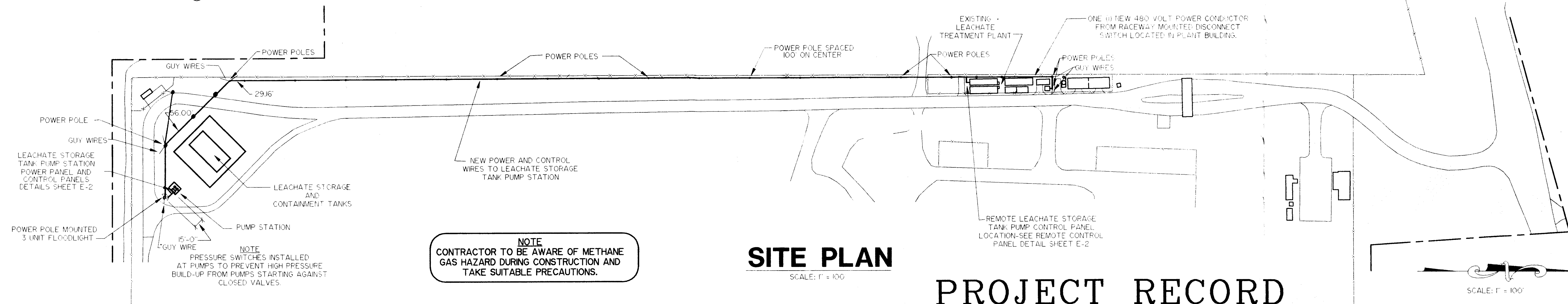
1. INSTALL 10 MINUTE TIME DELAY ON BLOWERS TO ALLOW FOR MOTOR SPIN DOWN BEFORE RESTART.
2. INSTALL LIGHTNING AND SURGE PROTECTION IN ALL POWER PANELS.
3. ALL POWER AND CONTROL PANELS ARE TO BE NEMA RATED 4X STAINLESS STEEL OR FIBER GLASS.
4. LEACHATE STORAGE TANK POWER PANEL AND PLANT BUILDING FEEDER SERVICE DROPS ARE TO BE WATERTIGHT AND TO BE FITTED WITH DRIP LOOPS.
5. ELECTRICAL CONDUCTORS TO BE TYPE TC COPPER CABLE RATED AT 600 VOLTS WITH INSULATION RATED AT 75 DEG. C, SUITABLE FOR WET LOCATIONS AND RESISTANT TO SUNLIGHT. THE POWER FEEDER CABLE IS TO BE A SINGLE MULTI-CONDUCTOR CABLE WITH A PVC JACKET.
6. ELECTRICAL CONDUCTORS TO BE "THWN" OR EQUAL PER N.E.C., OR AS SHOWN.
7. UTILITY POLE GUY WIRE ANCHORING PER FLORIDA POWER CORP. UTILITY SERVICE SPECIFICATIONS.
8. CONTRACTOR TO BE AWARE OF METHANE GAS HAZARD DURING CONSTRUCTION AND TAKE SUITABLE PRECAUTIONS.
9. ALL ELECTRICAL EQUIPMENT TO BE EXPLOSION PROOF AND UL RATED FOR HAZARDOUS LOCATIONS.
10. CONTRACTOR TO VERIFY ALL POWER AND FEEDER CONDUCTOR SIZING, THERMAL OVERLOADS, BRANCH CIRCUIT SHORT CIRCUIT AND GROUND-FAULT PROTECTION DEVICES AND SERVICE CONDUCTORS SIZING FROM THE PLANT BUILDING TO THE LEACHATE STORAGE TANK POWER PANEL.
11. POWER FEEDER WIRE IS TO BE 3-#336.4 CML ALUMINUM WITH A 336.4 CML ACSR MESSENGER WIRE AND TYPE VULCANIZED INTERLINKED POLYETHYLENE (VIP) INSULATION TYPE QUADRUPLUX SERVICE DROP WIRE (CODE NAME "BRONCO").
12. SITE LIGHTING PANEL BOX IS TO BE SUPPLIED WITH A 480V/20V, 2KVA TRANSFORMER, EXTERNAL PHOTOCELL AND HOA SWITCH.

LIGHTING FIXTURE SCHEDULE					
TYPE	MANUFACTURE & CAT. NO.	LAMP	VOLTAGE	MOUNTING	REMARKS
F2	HUBBELL MVK-COS-468 OR EQUAL	(3) 400 HPS	120	HUBBELL TCB-3 POLE MOUNT	MOUNT ON POWER POLE AT LEACHATE STORAGE TANK PUMP STATION

FEEDER SCHEDULE									
CIRCUIT #	MD US #	DESCRIPTION	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	NOTES
1	M1	LEACHATE STOR. TK. PUMP #1	7.5	3#8	#8	1	480	MANUAL	CONTROL PANEL
2	M2	LEACHATE STOR. TK. PUMP #2	7.5	3#8	#8	1	480	MANUAL	CONTROL PANEL
3	M3	LEACHATE STOR. TK. BLOWER #1	20.0	3#4	#8	1/2"	480	TIMER	CONTROL PANEL
4	M4	LEACHATE STOR. TK. BLOWER #2	20.0	3#4	#8	1/2"	480	TIMER	CONTROL PANEL
5	M5	TRANSFER STATION DRAINWELL PUMP	2.0	3#6	#12	1"	480	FLOAT	CONTROL PANEL
	F2	SITE LIGHTING		2#10	#12	1/2"	120	SWITCH	PHOTO-CELL CONTROL

NOTES:

1. ALL ELECTRICAL EQUIPMENT IS TO BE EXPLOSION-PROOF AND UL RATED FOR HAZARDOUS LOCATIONS.
2. ALL ELECTRICAL CONDUITS ENTERING SLABS ARE TO BE FITTED WITH GAS SEALS BELOW PANELS.
3. MAIN POWER FEEDER SERVICE IS TO BE MOUNTED TO POWER PANEL SUPPORT. SEE DETAIL ON SHEET E-2.
4. INSTALL SOLID STATE "SOFT STARTERS" IN THE CONTROL PANELS FOR THE 20HP BLOWER MOTORS.



SITE PLAN

SCALE: 1" = 100'

PROJECT RECORD

DESIGNED: A.D.M.
DRAWN: J.L.S.
CHECKED: G.J.M.
DATE: APRIL 7, 1995

Berryman & Henigar
BSI Consultants, Inc. • Henigar & Ray, Inc.
640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551

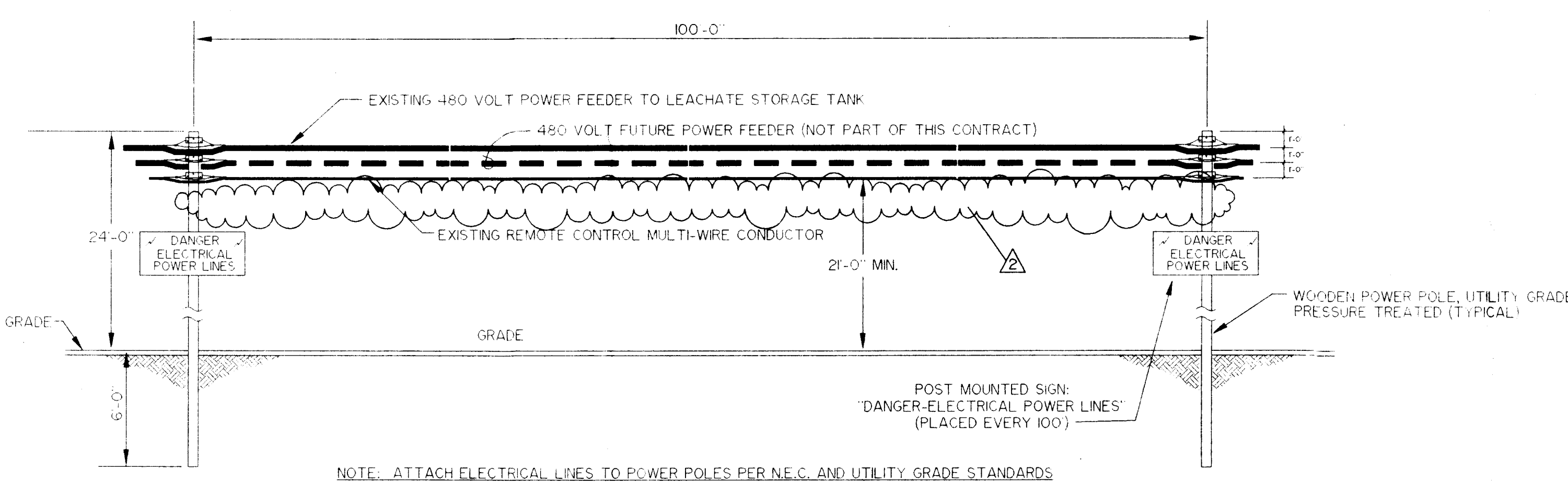
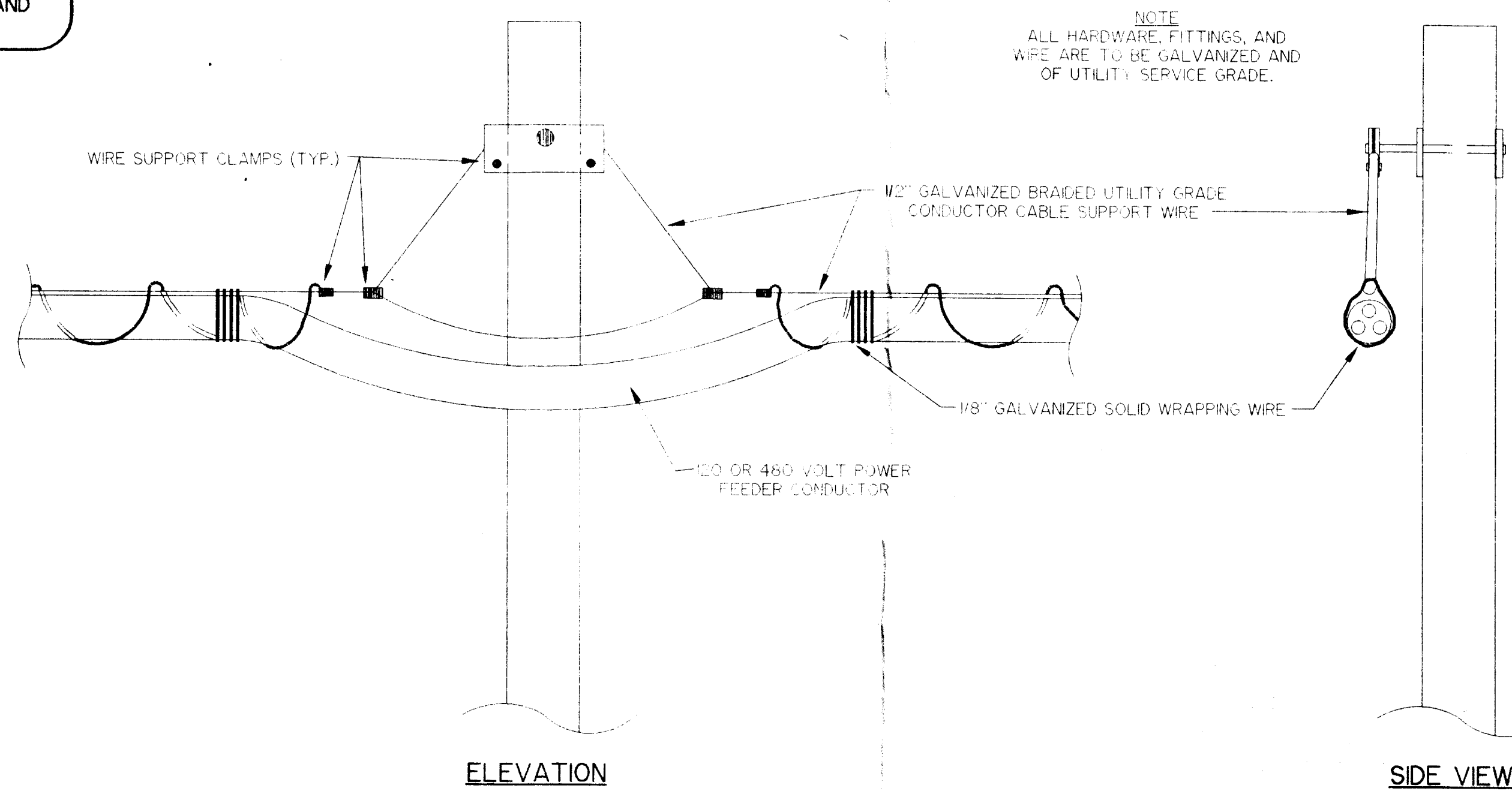
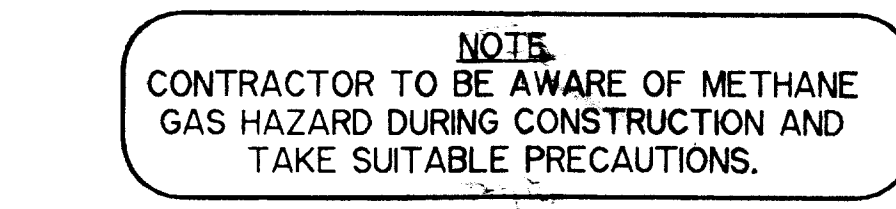
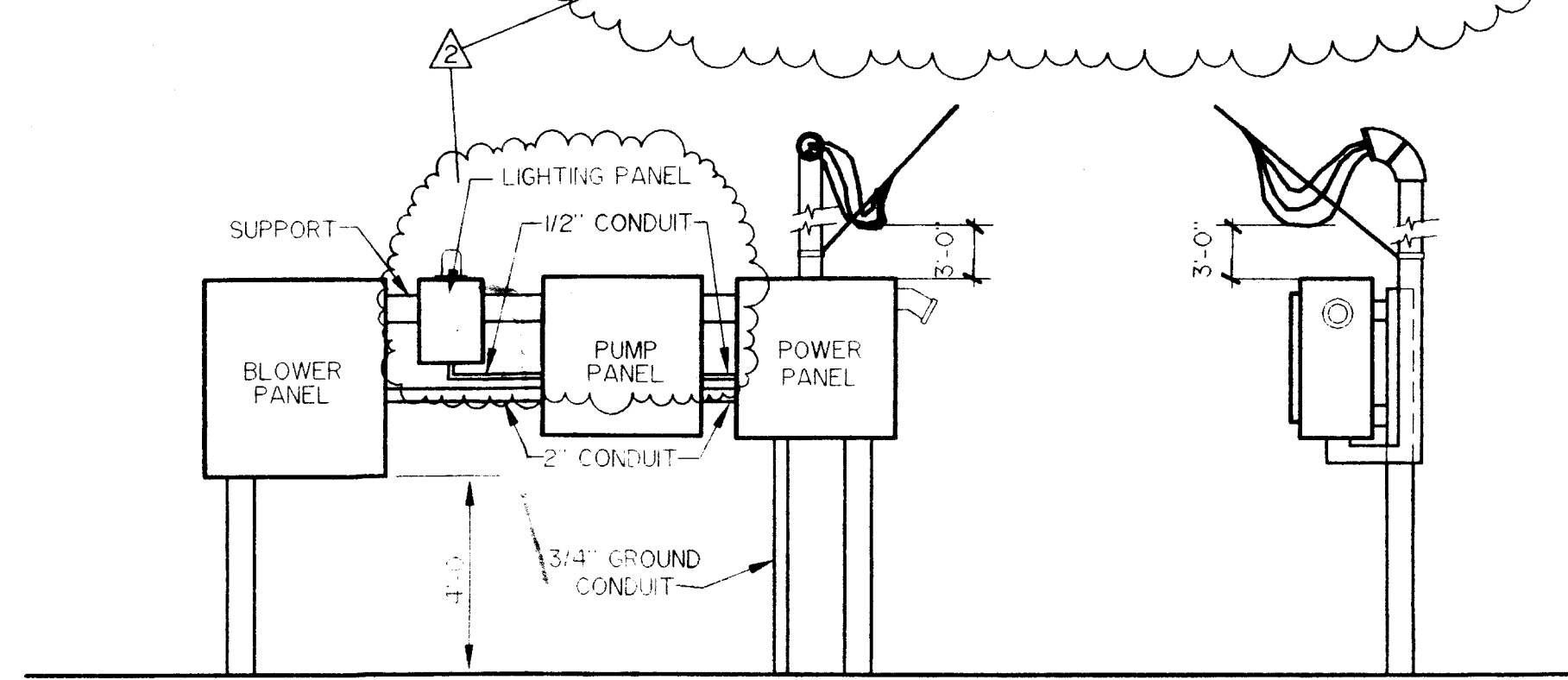
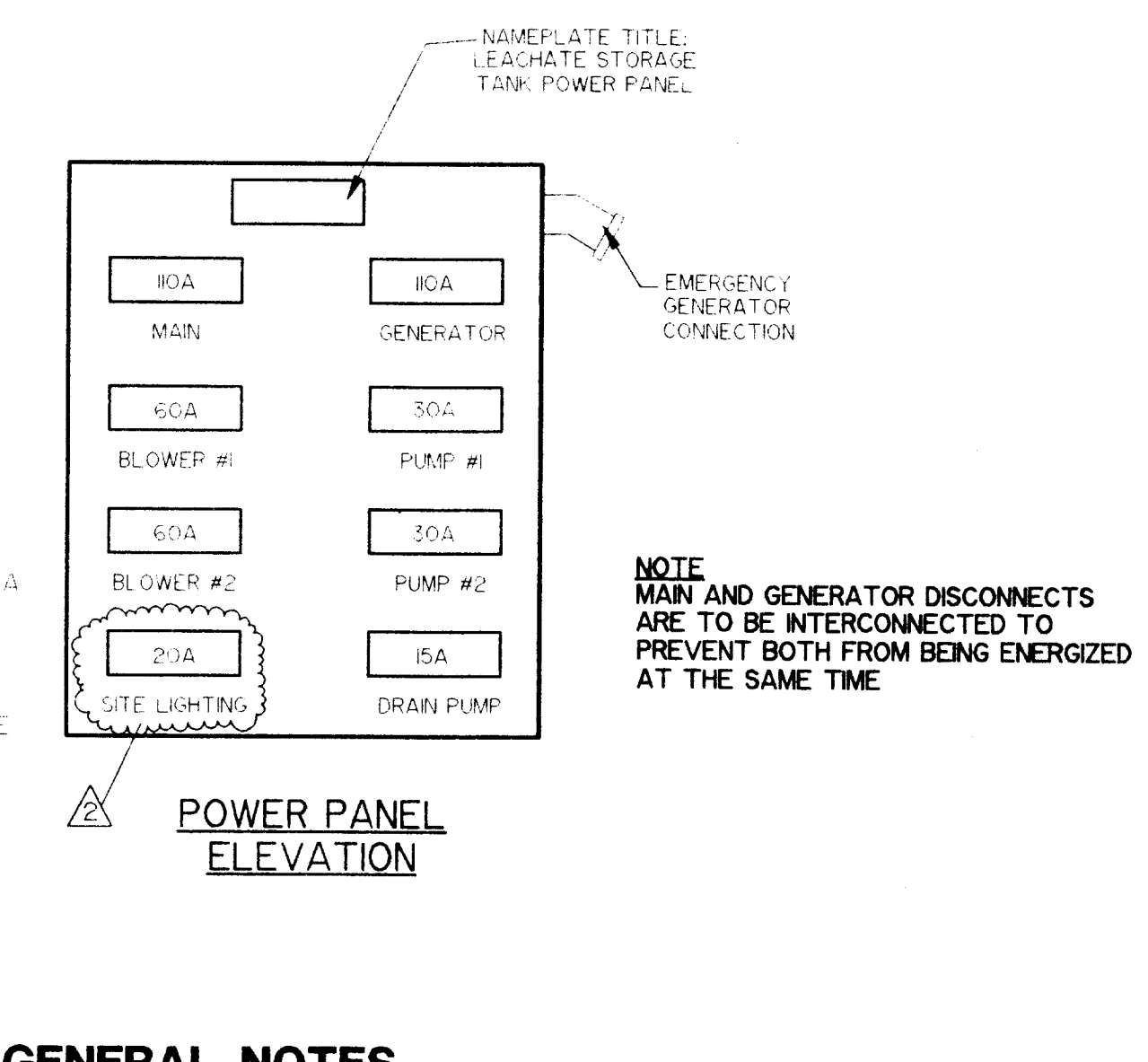
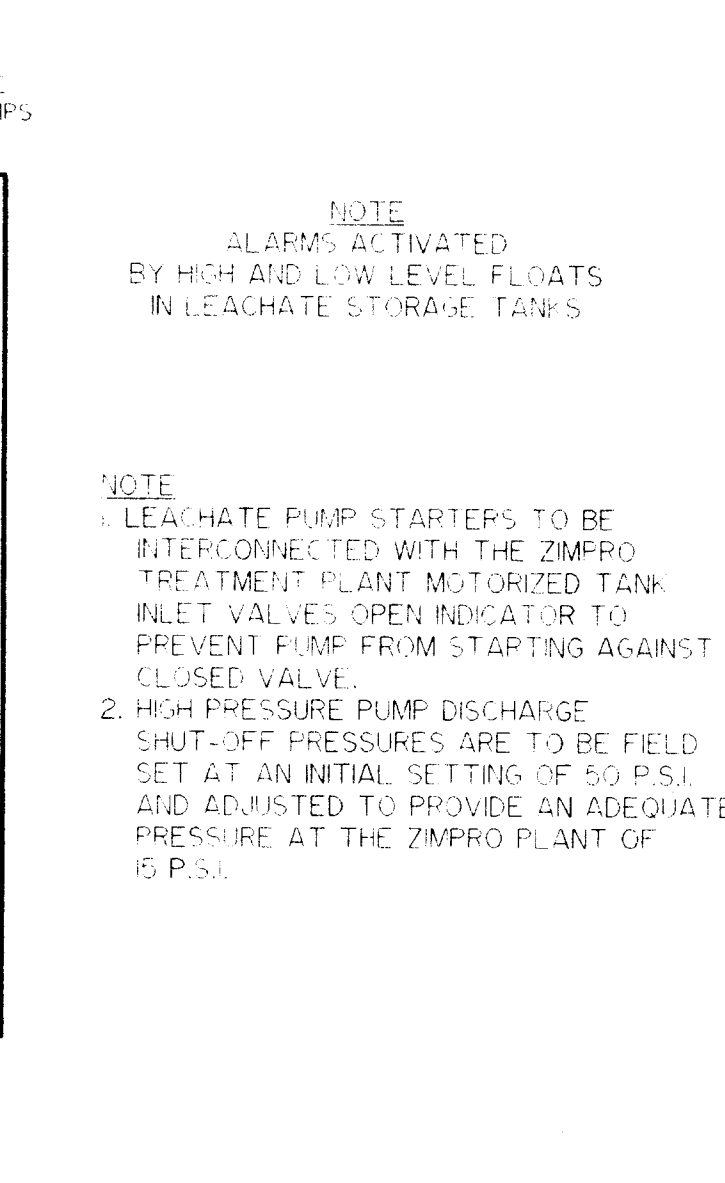
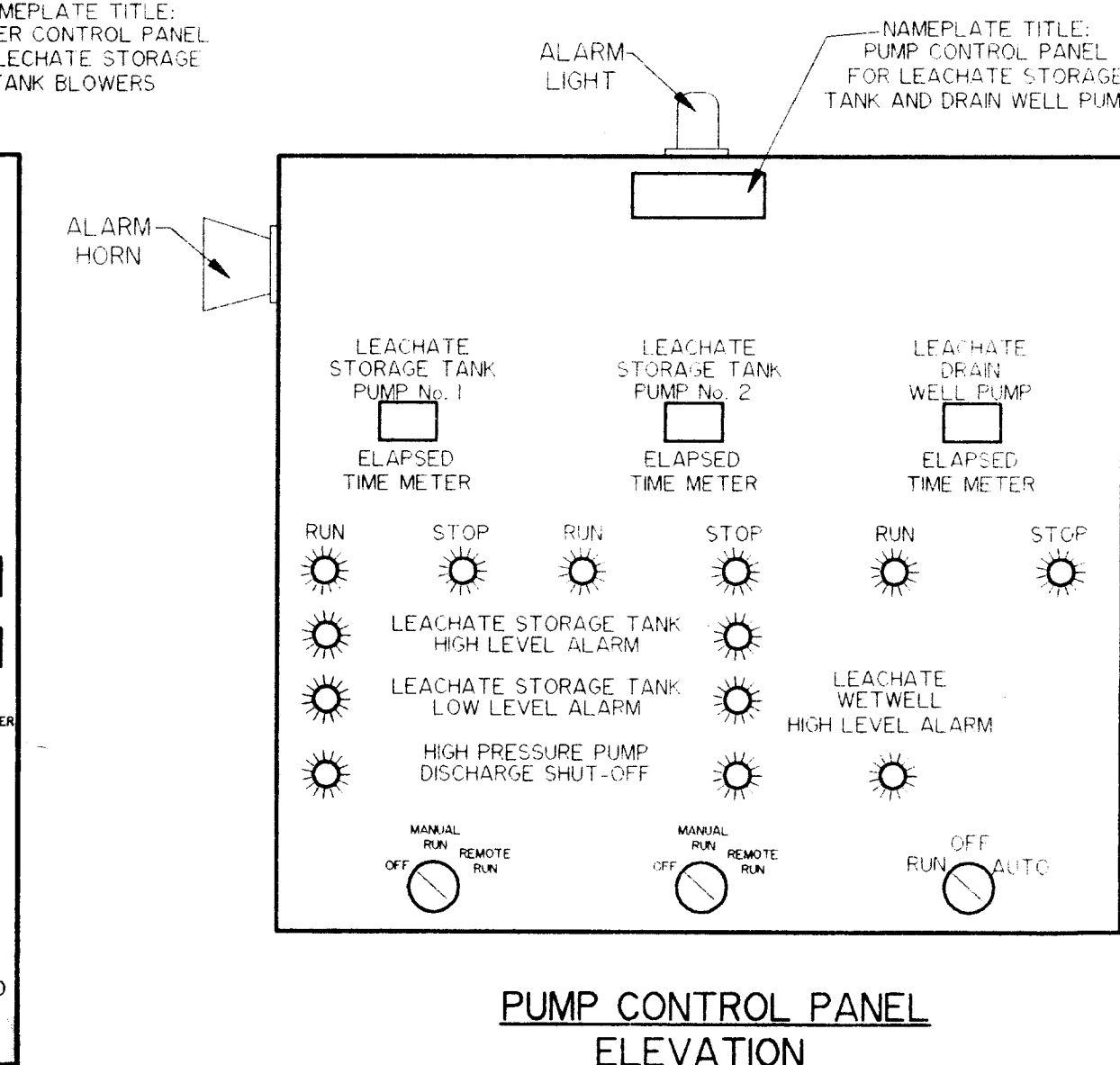
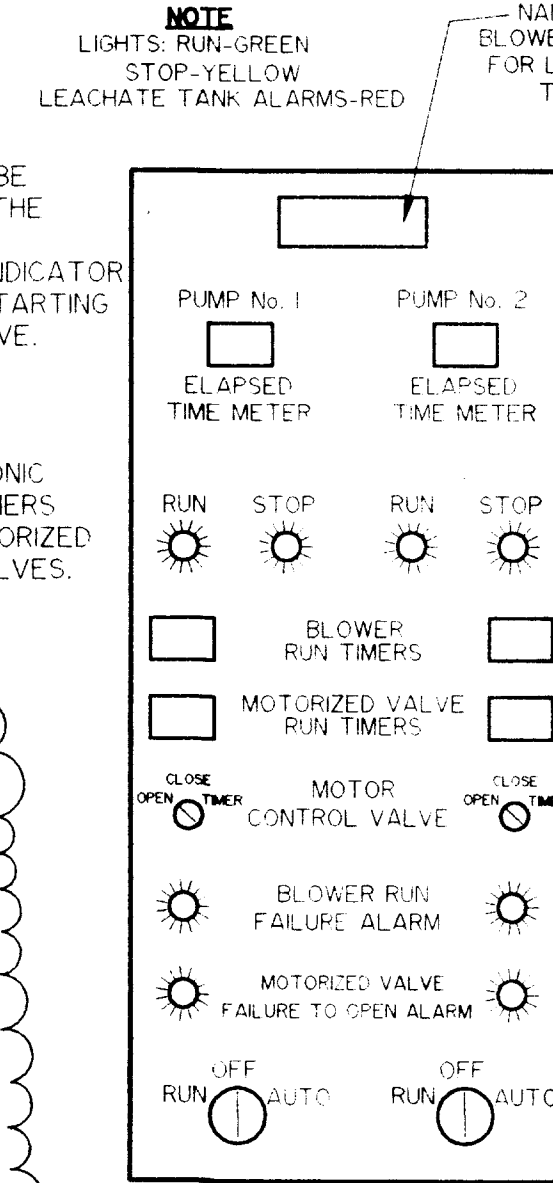
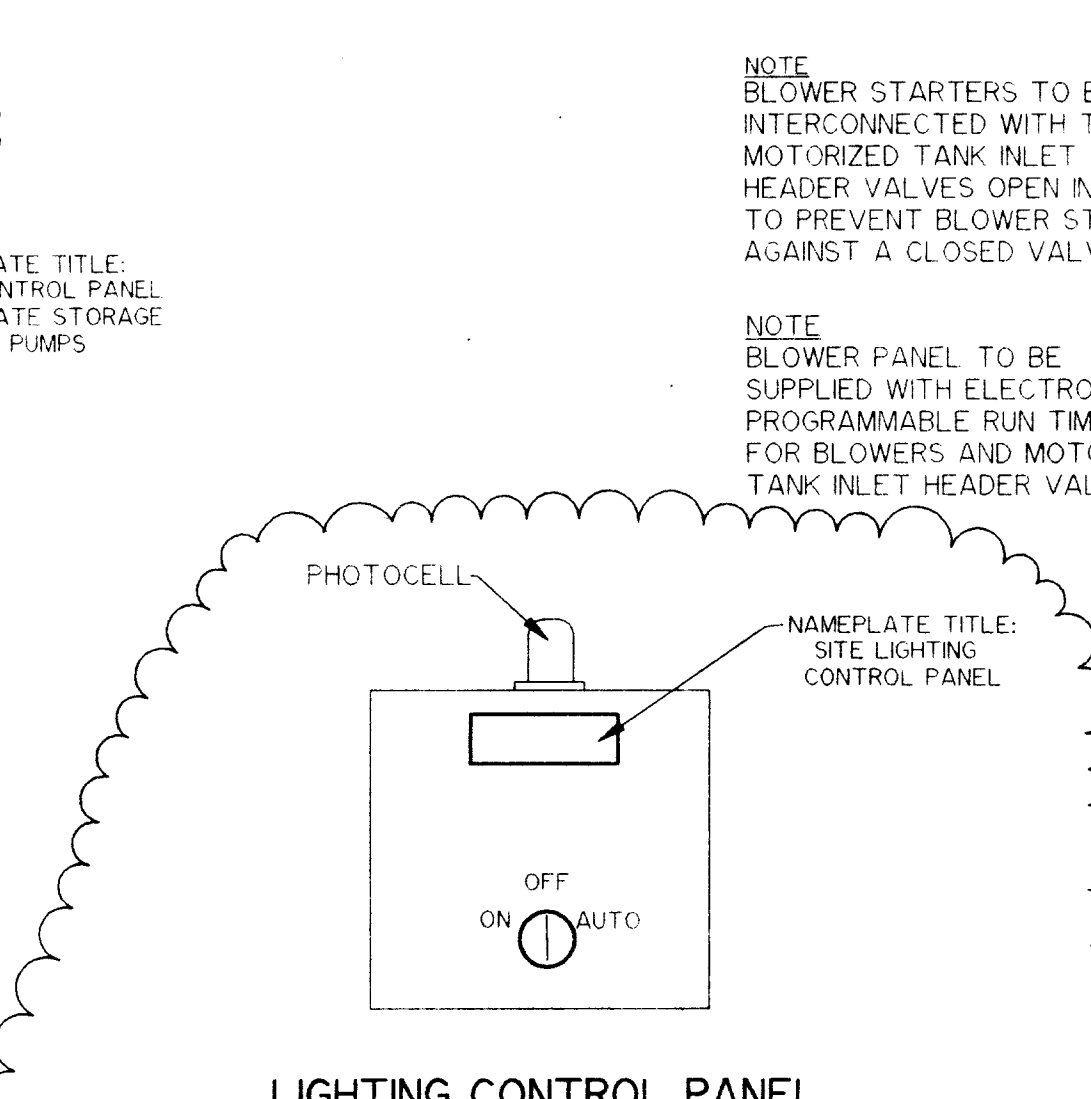
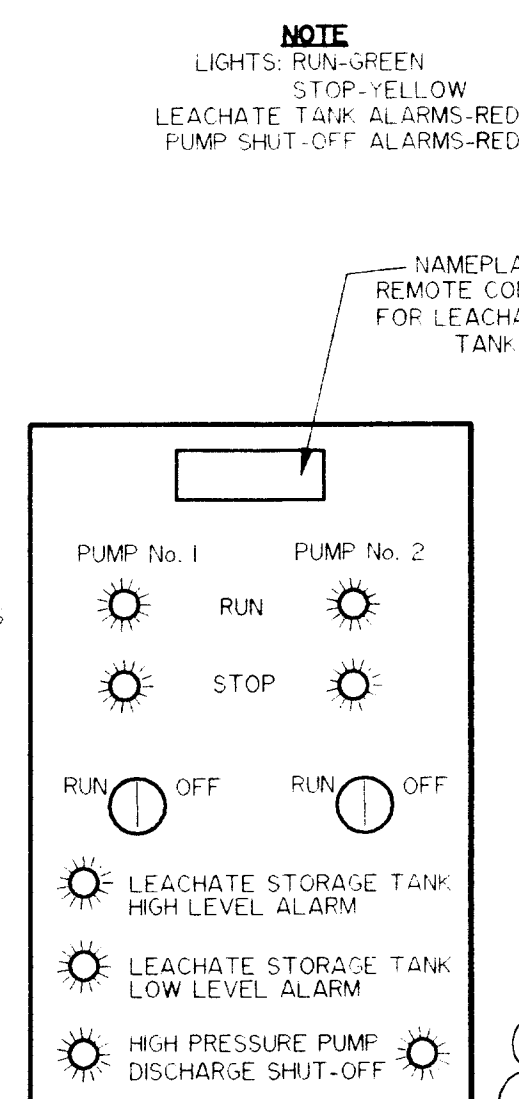
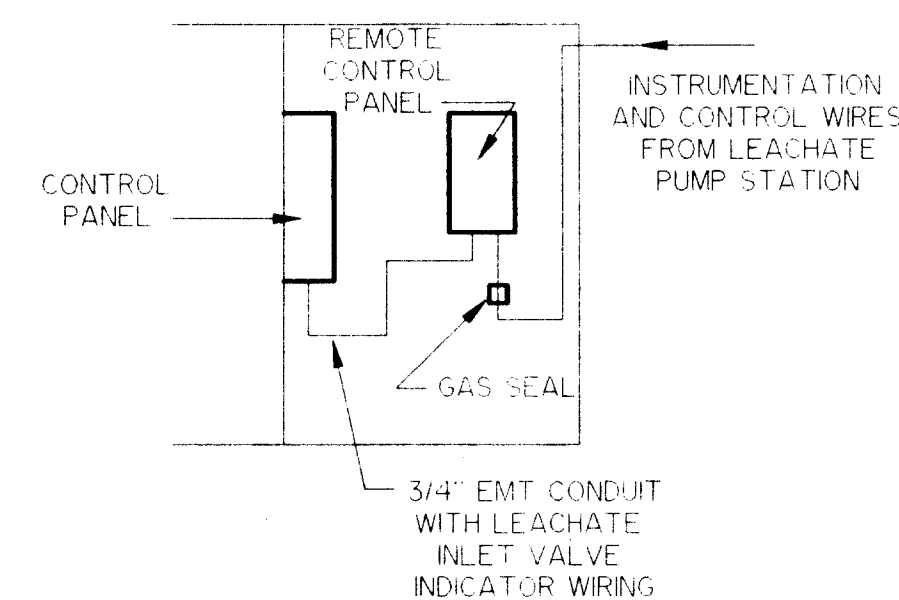
NO.	DATE	REVISION	APP'D. BY
2	8/22/95	GENERAL REVISION	A.D.M.
1	3/31/95	GENERAL REVISION	A.D.M.
		REVISION	

**CITRUS COUNTY CENTRAL LANDFILL
LEACHATE STORAGE TANK**

**SITE ELECTRICAL
AND RISER DIAGRAM**

GEORGE J. McDONALD, P.E.
REGISTERED ENGINEER NO. 44740
STATE OF FLORIDA
DATE

JOB NO. 45085
FILE NO. 5A-345
SEC. 1
TWP. 19S RGE. 18E
SHT. E-1



PROJECT RECORD

DESIGNED G.J.M.
DRAWN G.J.M.
CHECKED G.J.M.
DATE APRIL 7, 1995

 **Berryman & Henigar**
BSI Consultants, Inc. ■ Henigar & Ray, Inc.
640 EAST HIGHWAY 44 • CRYSTAL RIVER, FLORIDA 34429-4399 • (904) 795-6551

2	8/22/95	GENERAL REVISION	A D M
1	3/1/95	GENERAL REVISION	A D M
NO.	DATE	REVISION	APP'D BY

CITRUS COUNTY CENTRAL LANDFILL LEACHATE STORAGE TANK

ELECTRICAL DETAILS

GEORGE J. McDONALD, P.E. REGISTERED ENGINEER NO. <u>44740</u> STATE OF FLORIDA DATE _____	JOB NO. <u>45085</u> FILE NO. <u>5A-345</u> SEC. <u>1</u> TWP <u>19S</u> RGE <u>18E</u>
	SHT E-2