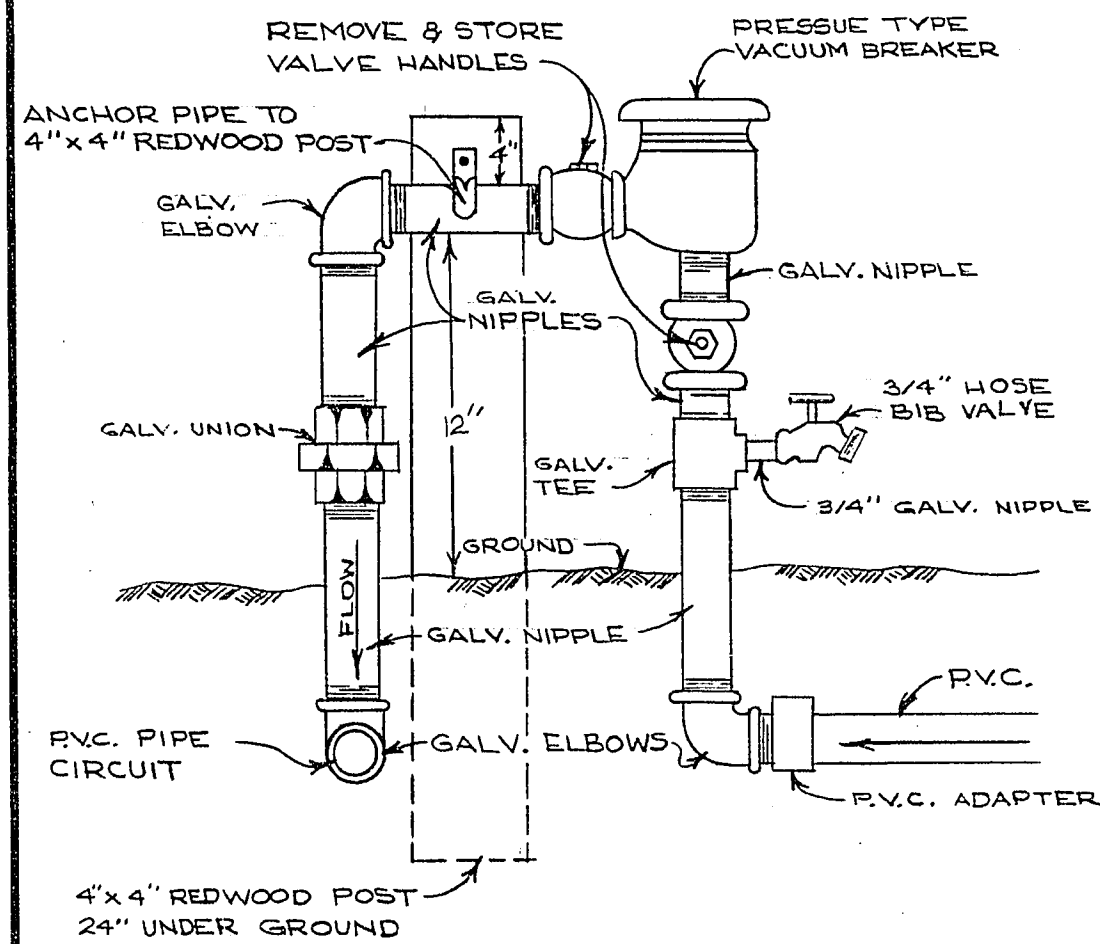




VACUUM BREAKER ASSEMBLY
FOR CIRCUITS 10 11 13

Paul H. [Signature] 10/27/82
CHIEF OF ENGINEERING DATE

William C. [Signature] 10/27/82
CHIEF OF QUALITY CONTROL DATE

William C. [Signature] 10/28/82
FIELD OPERATIONS ENGINEER DATE

[Signature] 10/27/82
DIRECTOR OF RECREATION & LEISURE DATE

[Signature] 10/28/82
DIRECTOR OF DEPT. OF DETENTION & CORRECTIONAL SERVICES DATE

Thomas P. [Signature] 10/29/82
ARCHITECTURAL SERVICES PROJECT DATE

APPROVALS

SPRINKLER HEADS

- SAFE-T-LAWN, GL-71, 6" POPUP, 1/2" FEMALE INLET, WITH 680 STANDARD NOZZLE, WITH THROTTLE SCREW. OPERATION PRESSURE 15 P.S.I. TO 30 P.S.I. SYSTEM DESIGN IS FOR 30 P.S.I. & 15' RADIUS.
FULL CIRCLE - 3.2 G.P.M.
HALF CIRCLE - 2.4 G.P.M.
QUARTER CIRCLE - 1.8 G.P.M.
- THOMPSON NO. 187, COMMANDER MEDIUM RANGE, GEAR DRIVEN, ROTARY SPRINKLER, PART CIRCLE, WITH RUBBER CAP & FLANGE COVER SET, 1" I.P.S. OPERATING PRESSURE 40 P.S.I. TO 50 P.S.I., SYSTEM DESIGN IS FOR 50 P.S.I., 46.5' RADIUS, 11.75 G.P.M. PER HEAD, NOZZLE SIZE R, AND 0.60" PRECIPITATION PER HOUR (17.3").
- RAINBIRD 1300 BUBBLER OPERATING PRESSURE FOR 30 P.S.I. RATED AT 2 G.P.M. FULL FLOW ADJUSTMENT.

APPROXIMATE QUANTITIES

DESCRIPTION	UNIT	QUAN.
2 1/2" MANUAL VALVE	E.A.	2
2" " "	E.A.	2
1 1/2" " "	E.A.	1
1 1/4" " "	E.A.	1
2 1/2" ELEC. VALVE	E.A.	4
2" " "	E.A.	1
1 1/2" " "	E.A.	4
1 1/4" " "	E.A.	18
1" " "	E.A.	8
2 1/2" VACUUM BREAKER	E.A.	1
1 1/4" " "	E.A.	2
1" " "	E.A.	1
THOMPSON No. 187 SPR HEAD, P.C.	E.A.	25
GL-71 SPR HEAD FULL	E.A.	8
" " " " P.C.	E.A.	110
BUBBLER HEAD	E.A.	399
3" R.V.C. SCH. 40	L.F.	120
2 1/2" " "	L.F.	290
2" " "	L.F.	1,000
1 1/2" " "	L.F.	690
1 1/4" " "	L.F.	820
1" " "	L.F.	1,170
3/4" " "	L.F.	1,770
3/4" HOSE BIB	E.A.	3

Scale (H) 1"=30' Scale (V) 1"=30'

File. bk. no. _____ Date 10-13-82

Design by D. MCGONIGLE Drawn by J. MCDOWELL

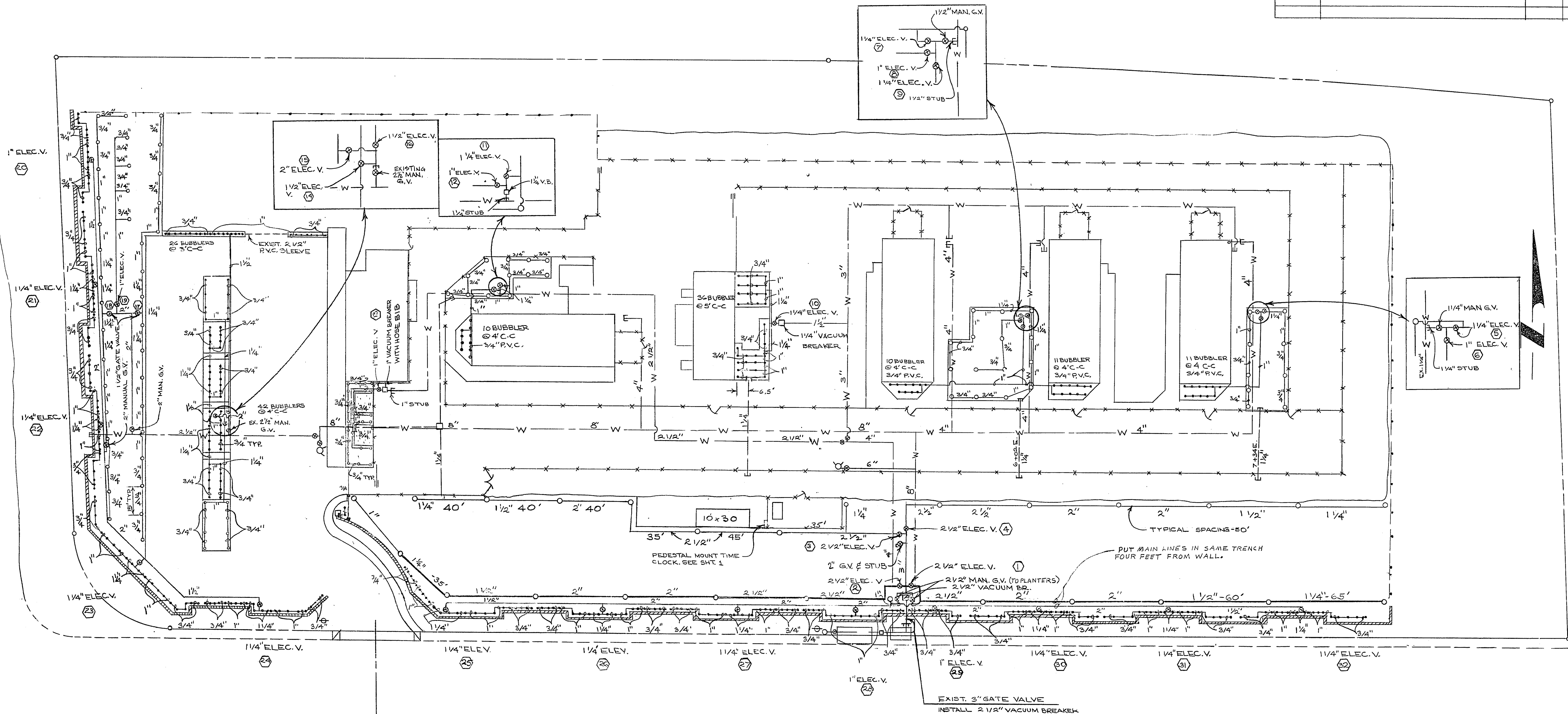
APPROVED BY THE CITY ENGINEER

W.Q. 2128

CKD BY [Signature]

Revisions

Date 9-10



Department of Public Services Engineering Design Division

MISDEMEANANT DETENTION FACILITY

INTERIOR IRRIGATION SYSTEM AND DETAILS