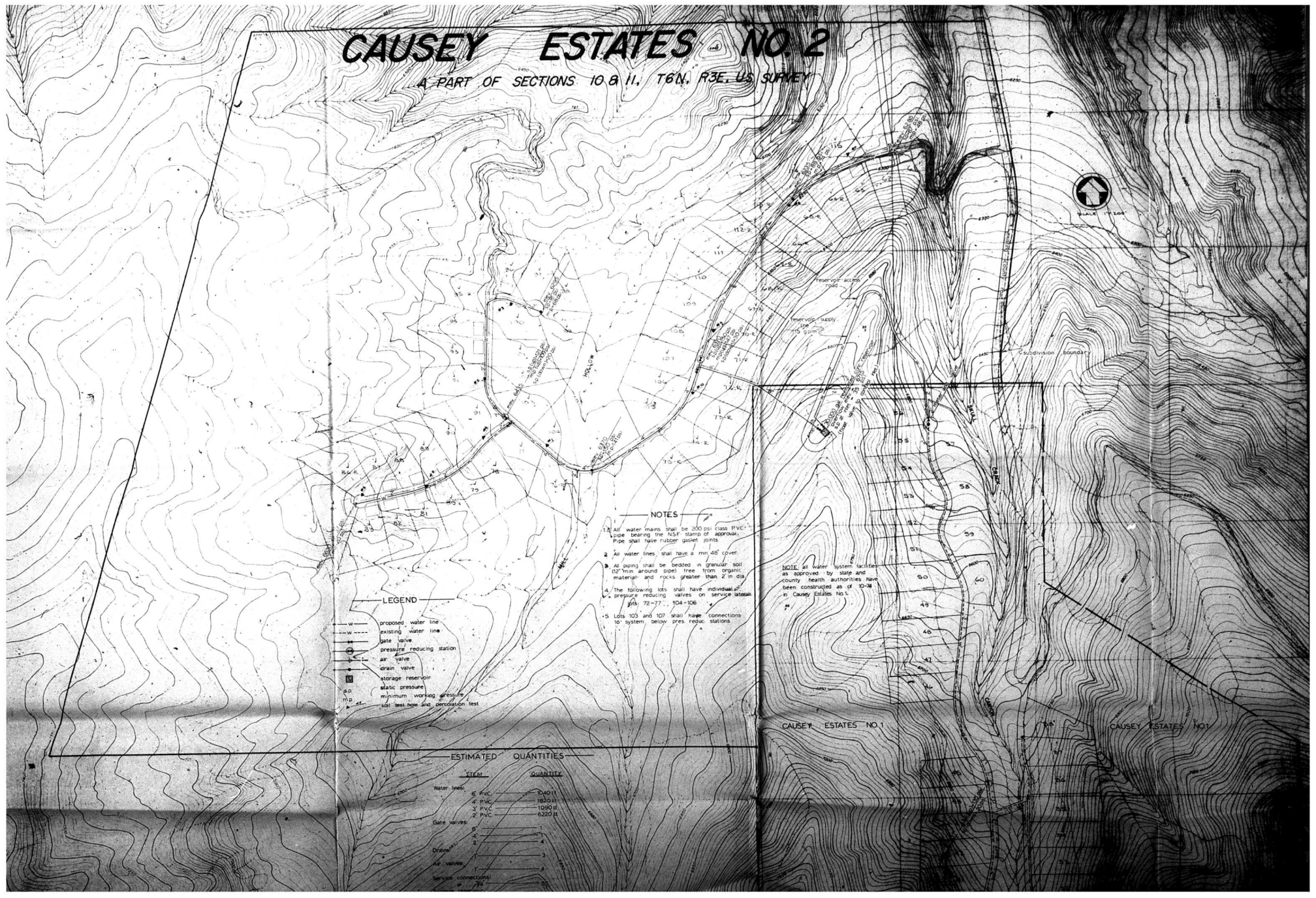
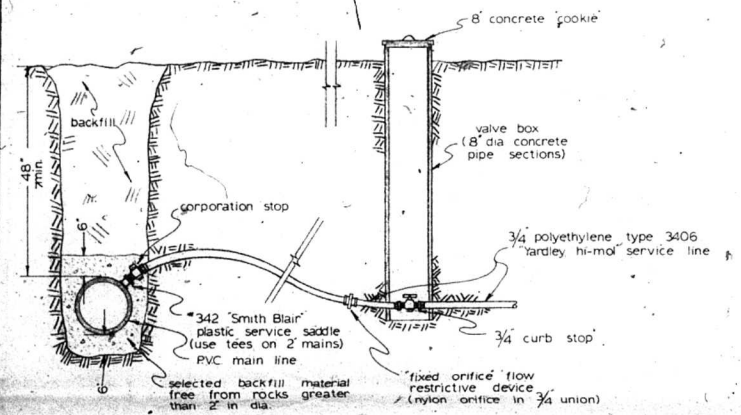
CAUSEY ESTATES NO. 2

A PART OF SECTIONS 10 & 11, T6N., R3E., U.S. SURVEY



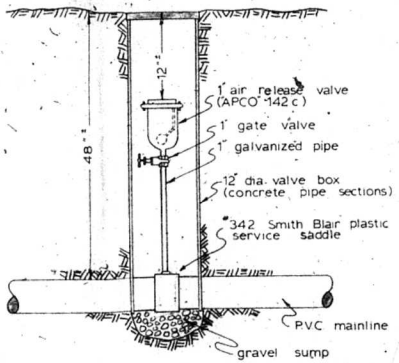
TYPICAL TRENCH AND SERVICE CONNECTION

no scale



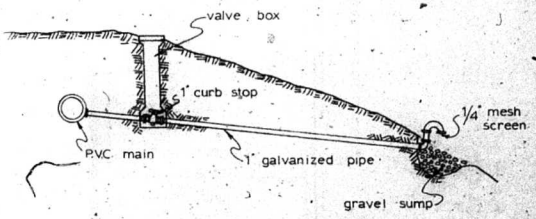
AIR VALVE DETAIL

no scale



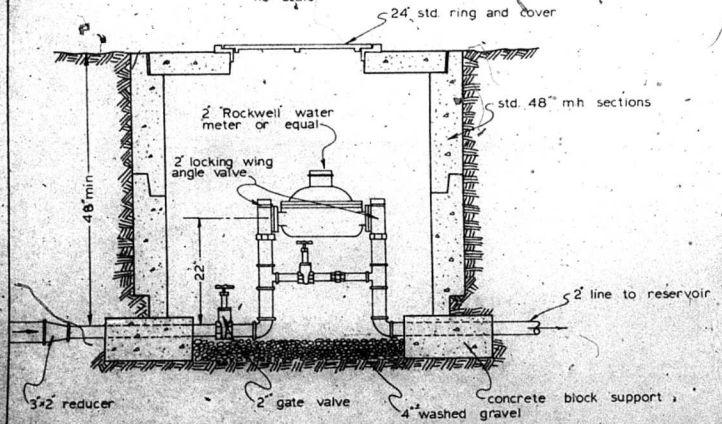
TYPICAL DRAIN

no scale



METER BOX DETAILS

no scale



GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS

CAUSEY ESTATES

Water System Details

Drawn: K.J. | Checked: | Date: March '75 | Scale: | Drawing No.:

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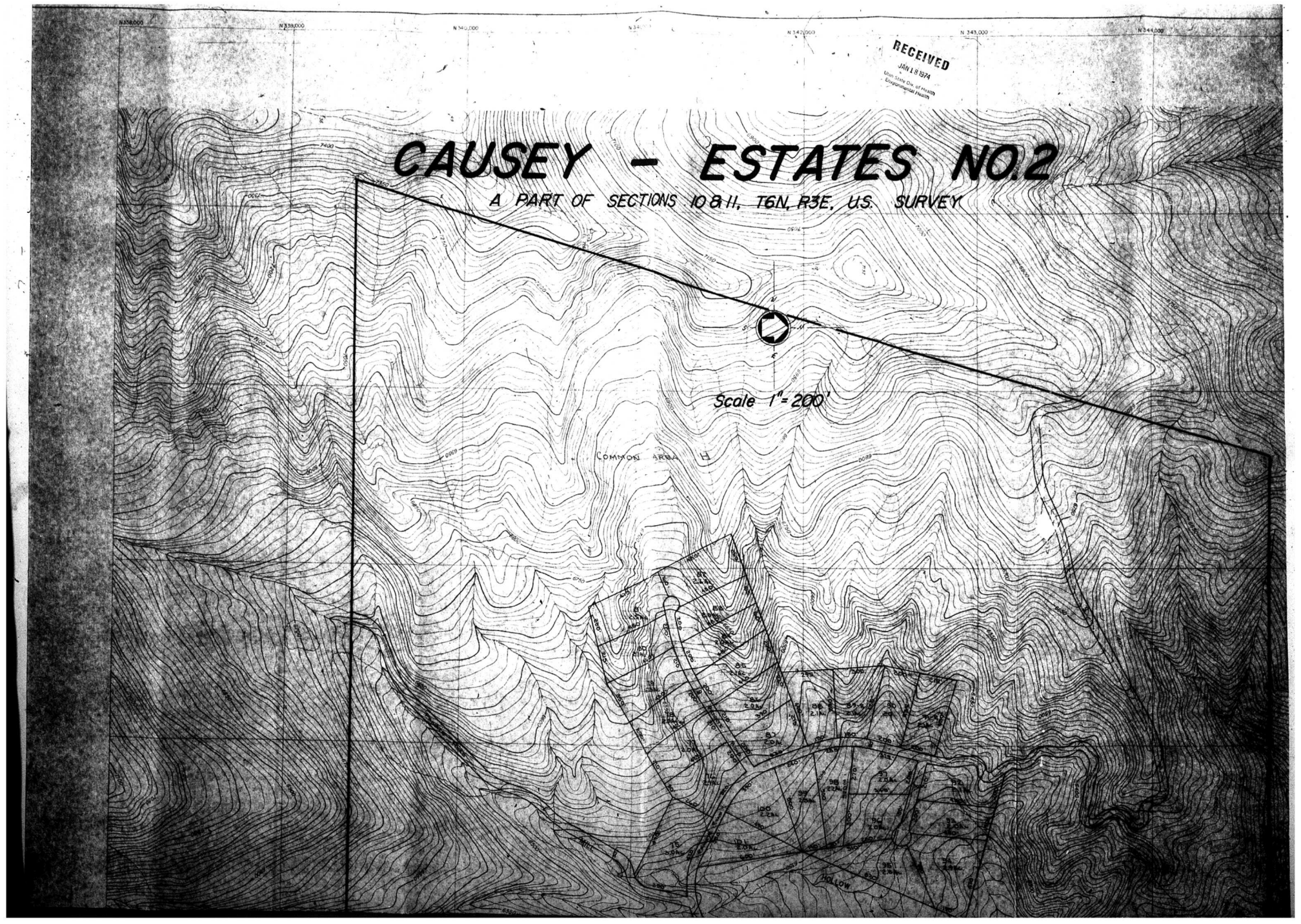
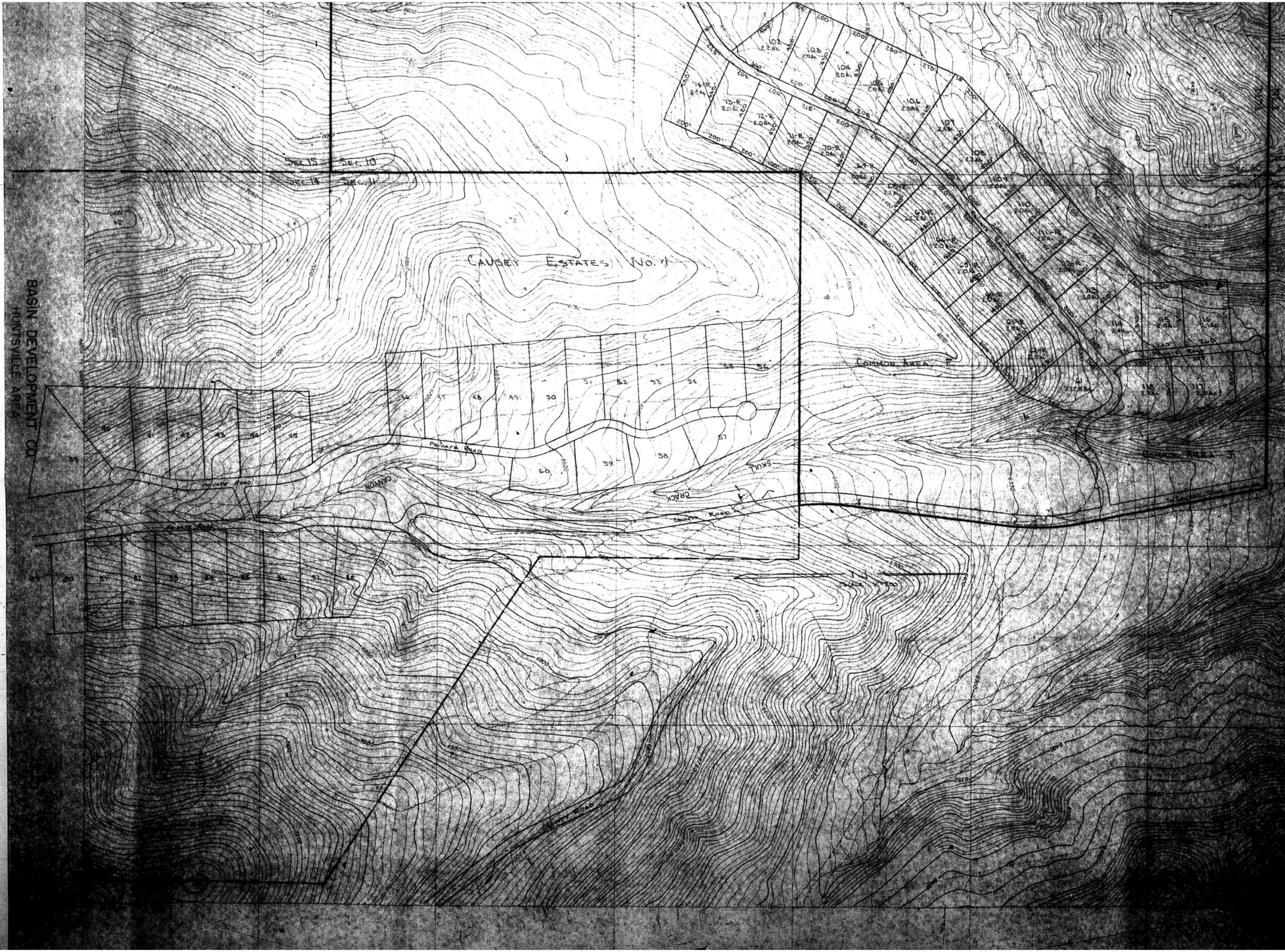
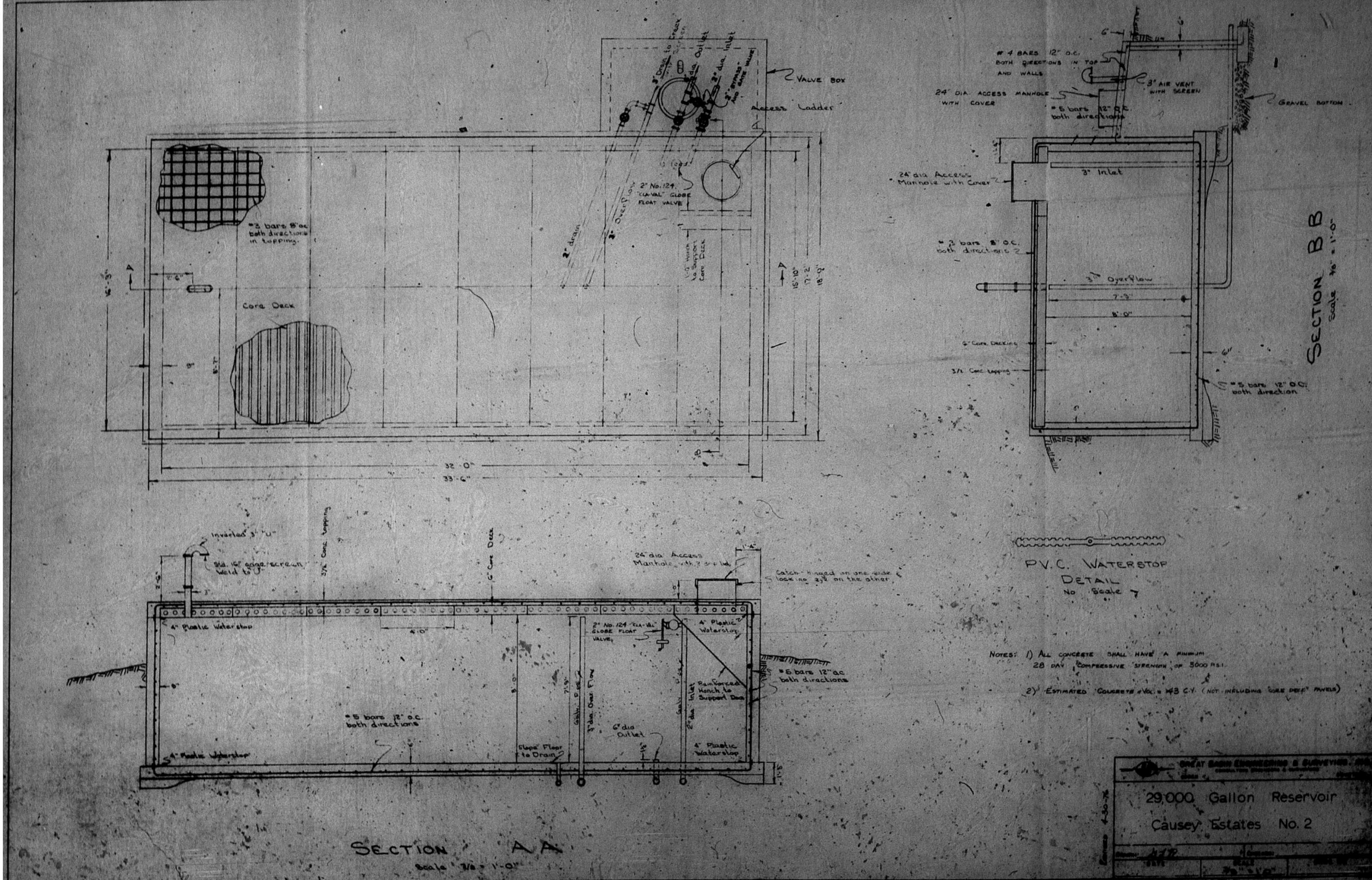
Utah State Div. of Health
Environmental Health

CAUSEY - ESTATES NO.2

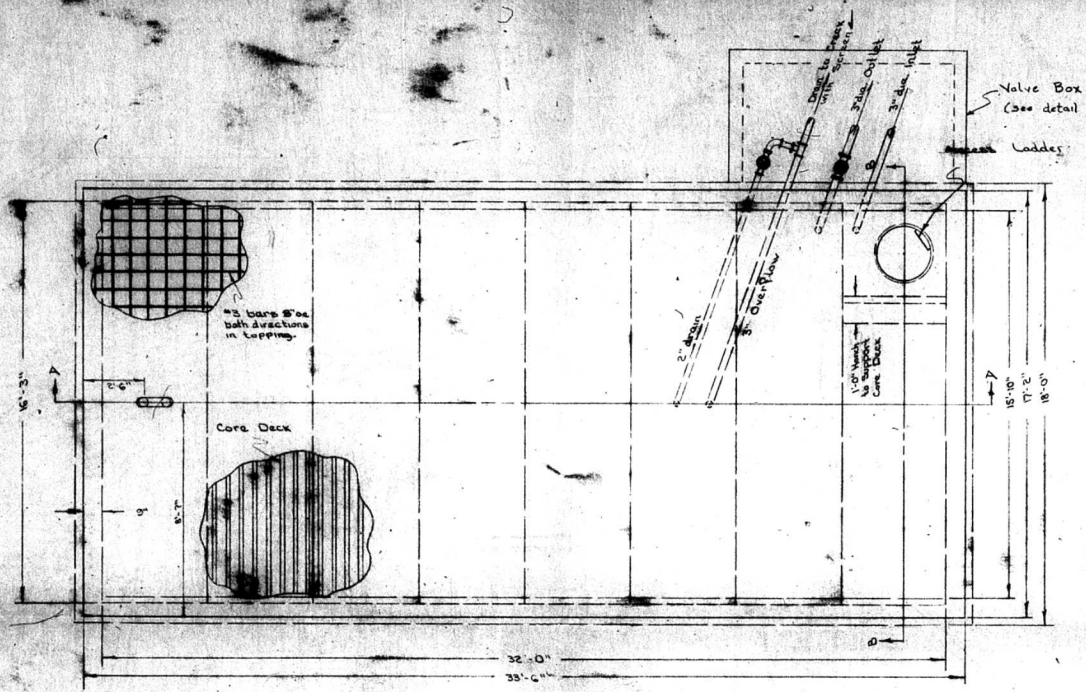
A PART OF SECTIONS 10 & 11, T6N, R3E, U.S. SURVEY

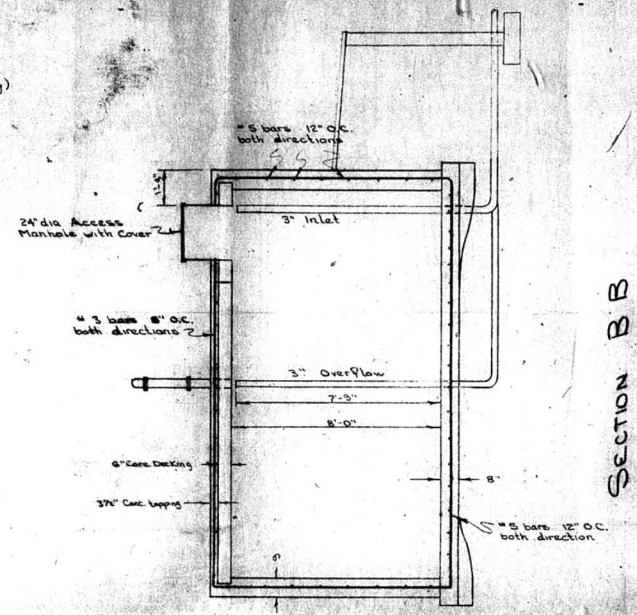



BASIN DEVELOPMENT CO.
HUNTSVILLE AREA
CAUSEY ESTATES No. 4
SEC 15
SEC 10
SEC 14
SEC 11
COMMON AREA
PRIVATE ROAD
COUNTY ROAD
SKULL
CRACK
CANYON

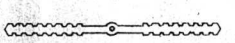


Valve Box
Access Ladder
2" No. 124 "Cla-Val" Globe Float Valve
#3 bars 8" o.c. both directions in topping.
Core Deck
2" drain
3" Overflow
32'-0"
33'-6"
4 Bars 12" O.C. both directions in top and walls
3" Air Vent with Screen
24" dia. Access Manhole with cover
#5 bars 12" O.C. both directions
Gravel Bottom
24" dia Access Manhole with Cover
3" Inlet
#3 bars 8" O.C. both directions
3" Overflow
7'-3"
8'-0"
6" Core Decking
3/2 Conc topping
#5 bars 12" O.C. both direction
Section B B
Scale 3/8" = 1'-0"
Inverted 3" "U"
24" dia Access Manhole
6" Core Deck
4" Plastic Waterstop
4" Plastic Waterstop
#5 bars 12" o.c. both directions
Reinforced Haunch to Support Deck
#5 bars 12" o.c. both directions
Slope Floor to Drain
3" dia Over Flow
6" dia Outlet
2" dia Inlet
4" Plastic Waterstop
4" Plastic Waterstop
P.V.C. Waterstop Detail
No Scale
Notes: 1) All concrete shall have a minimum 28 day compressive strength of 3000 P.S.I.
2) Estimated concrete vol. = 43 C.Y. (not including core deck panels)
Section A A
Scale 3/8" = 1'-0"
29,000 Gallon Reservoir
Causey Estates No. 2

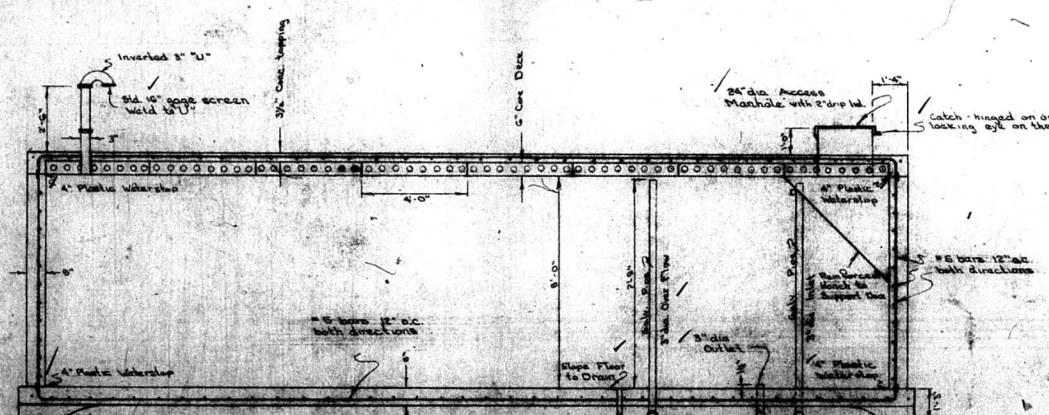




SECTION B B
Scale ¾" = 1'-0"



P.V.C. WATERSTOP DETAIL
No Scale



SECTION A A
Scale ¾" = 1'-0"

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GREAT BASIN ENGINEERING & SURVEYING, INC.
OGDEN CONSULTING ENGINEERS & SURVEYORS BOUNTIFUL

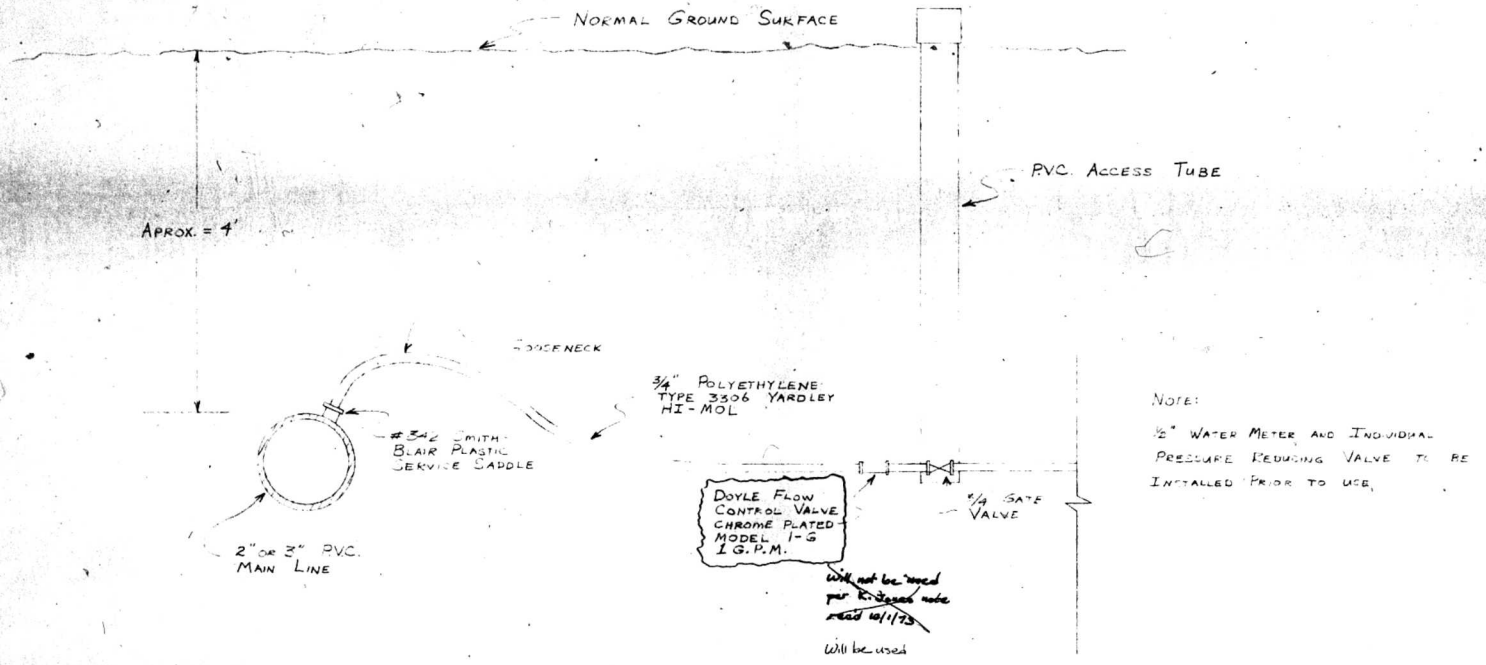
30,000 GALLON CONCRETE RESERVIOR for CAUSEY ESTATES SUBD

DRAWN: KTP	CHECKED:	
DATE 8-27-73	SCALE ¾" = 1'-0"	DWG. NO.

DAMAGED POOR COPY

TYPICAL WATER SERVICE CONNECTION

No Scale



Note:

½" Water Meter and Individual Pressure Reducing Valve to be Installed Prior to Use.

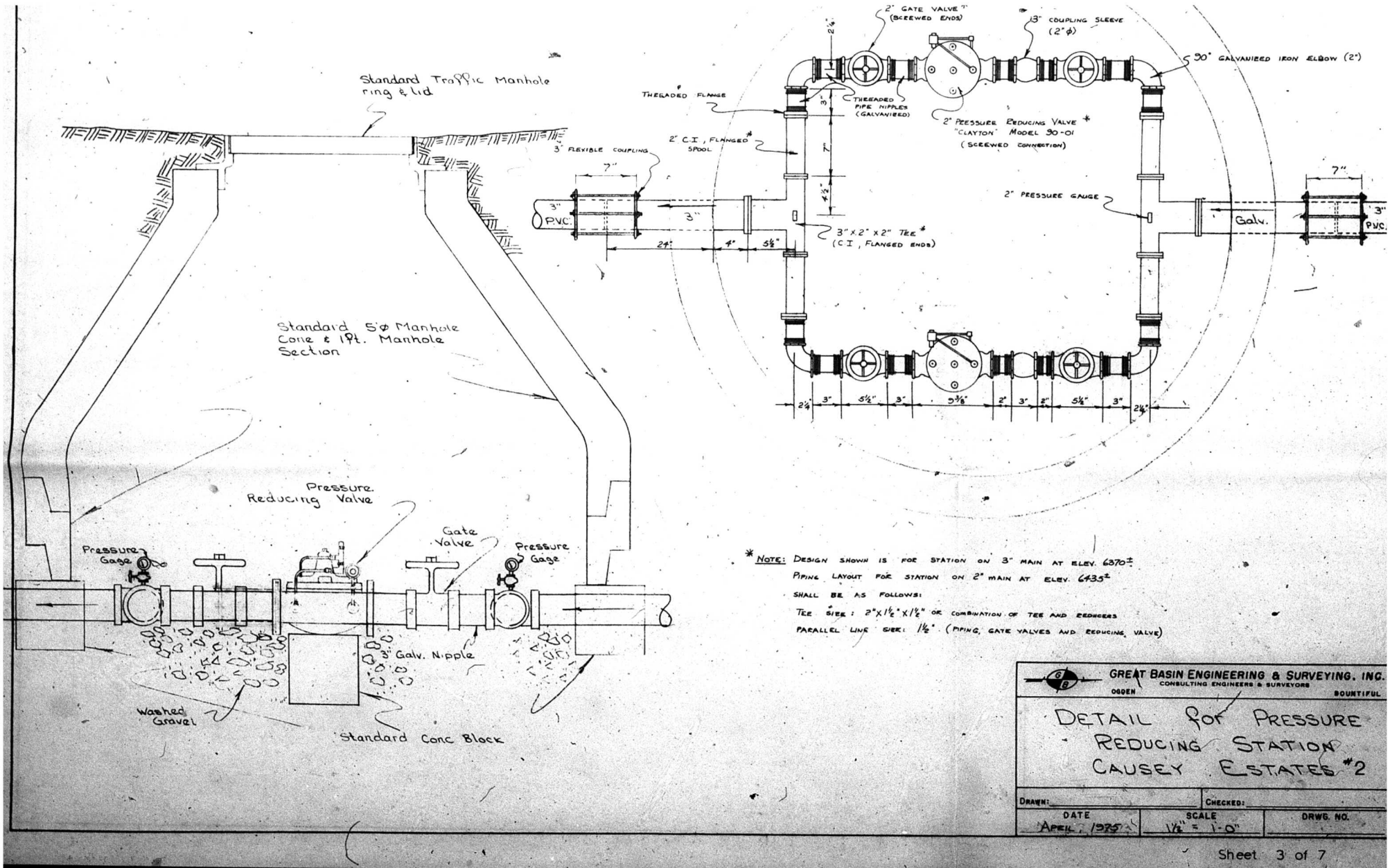
GREAT BASIN ENGINEERING & SURVEYING, INC.
OGDEN CONSULTING ENGINEERS & SURVEYORS BOUNTIFUL

CAUSEY ESTATES No. 1

TYPICAL WATER SERVICE CONNECTION

DRAWN: KJ	CHECKED:	
DATE 9/6/73	SCALE No Scale	DRWG. NO.

DAMAGED POOR COPY

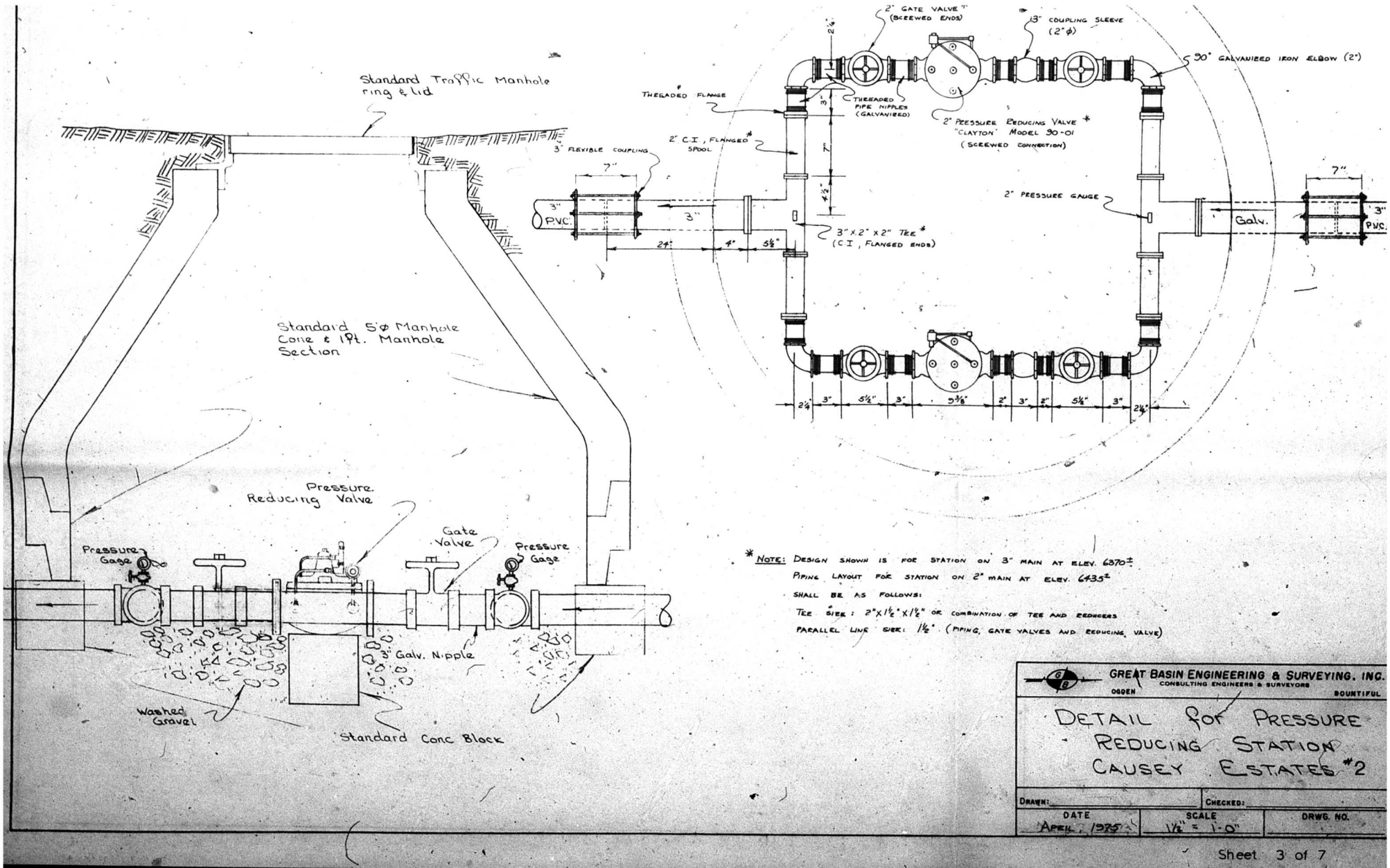


* NOTE: DESIGN SHOWN IS FOR STATION ON 3" MAIN AT ELEV. 6370±
PIPING LAYOUT FOR STATION ON 2" MAIN AT ELEV. 6435±
SHALL BE AS FOLLOWS:
TEE SIZE: 2"X1½"X1½" OR COMBINATION OF TEE AND REDUCERS
PARALLEL LINE SIZE: 1½". (PIPING, GATE VALVES AND REDUCING VALVE)

GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

DETAIL for PRESSURE REDUCING STATION CAUSEY ESTATES #2

DRAWN:	CHECKED:	
DATE: APRIL, 1975	SCALE: 1½" = 1'-0"	DRWG. NO.



* NOTE: DESIGN SHOWN IS FOR STATION ON 3" MAIN AT ELEV. 6370±
PIPING LAYOUT FOR STATION ON 2" MAIN AT ELEV. 6435±
SHALL BE AS FOLLOWS:
TEE SIZE: 2"X1½"X1½" OR COMBINATION OF TEE AND REDUCERS
PARALLEL LINE SIZE: 1½". (PIPING, GATE VALVES AND REDUCING VALVE)

GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

DETAIL for PRESSURE REDUCING STATION CAUSEY ESTATES #2

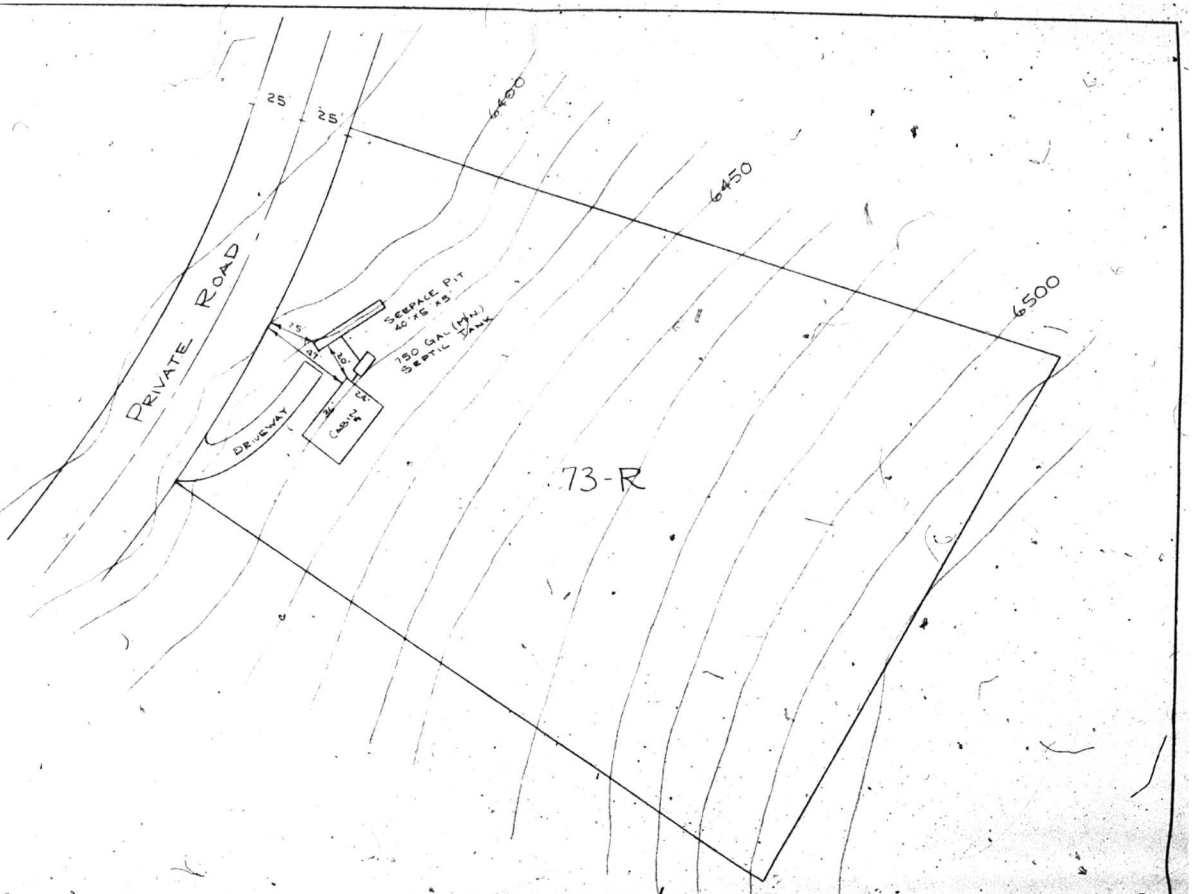
DRAWN:	CHECKED:	
DATE: APRIL, 1975	SCALE: 1½" = 1'-0"	DRWG. NO.

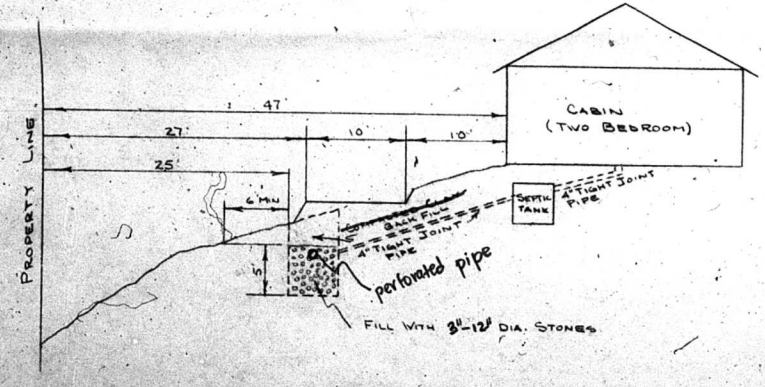
TYPICAL DESIGN PROBLEM LOT

SCALE 1"=50'

SEEPAGE PIT

SOIL IS SANDY CLAY & GRAVEL. USE 200 SQ.FT PER BEDROOM (400 SQ. FT. TOTAL)
USE 750 GAL. SEPTIC TANK (MIN)
SLOWEST SEEPAGE RATE IN AREA WAS 30 MIN/IN
AVERAGE SEEPAGE RATE IN AREA WAS 20.7 MIN/IN



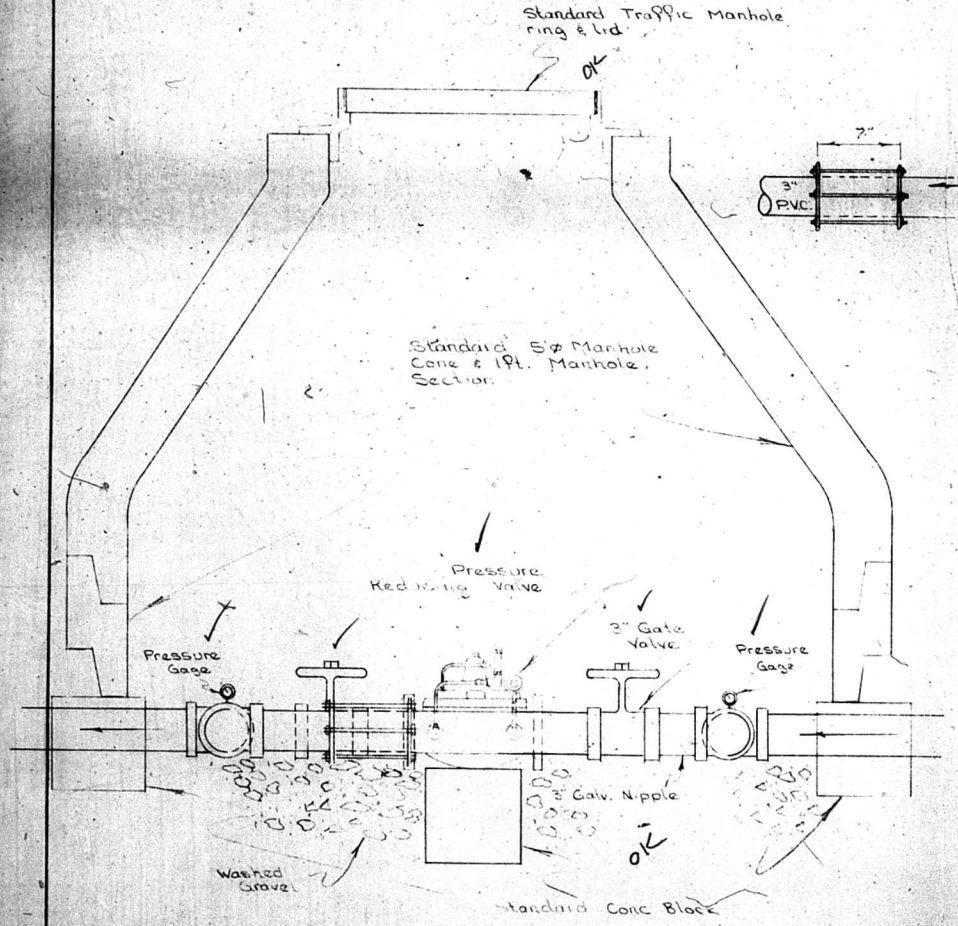


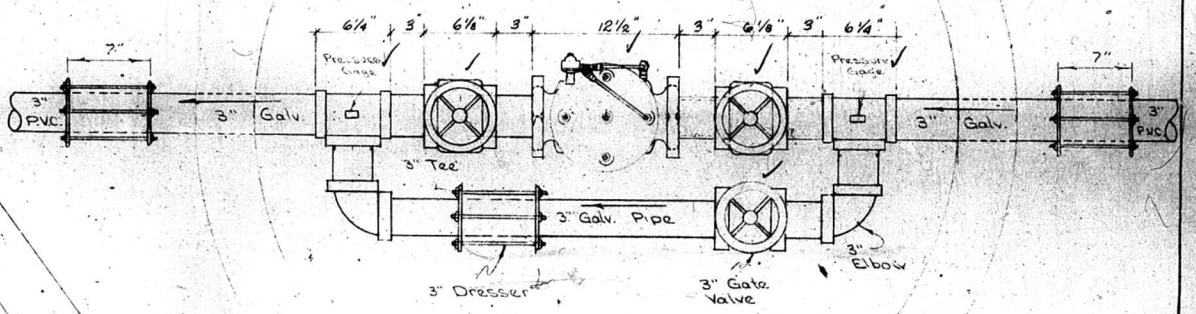
GROUND PROFILE
SCALE 1"=10'

GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

PLOT PLAN
LOT 73-R
CAUSEY ESTATES SUB. No. 2

DRAWN: GR	CHECKED:	
DATE 2-5-75	SCALE 1"=50'	DRWG. NO.



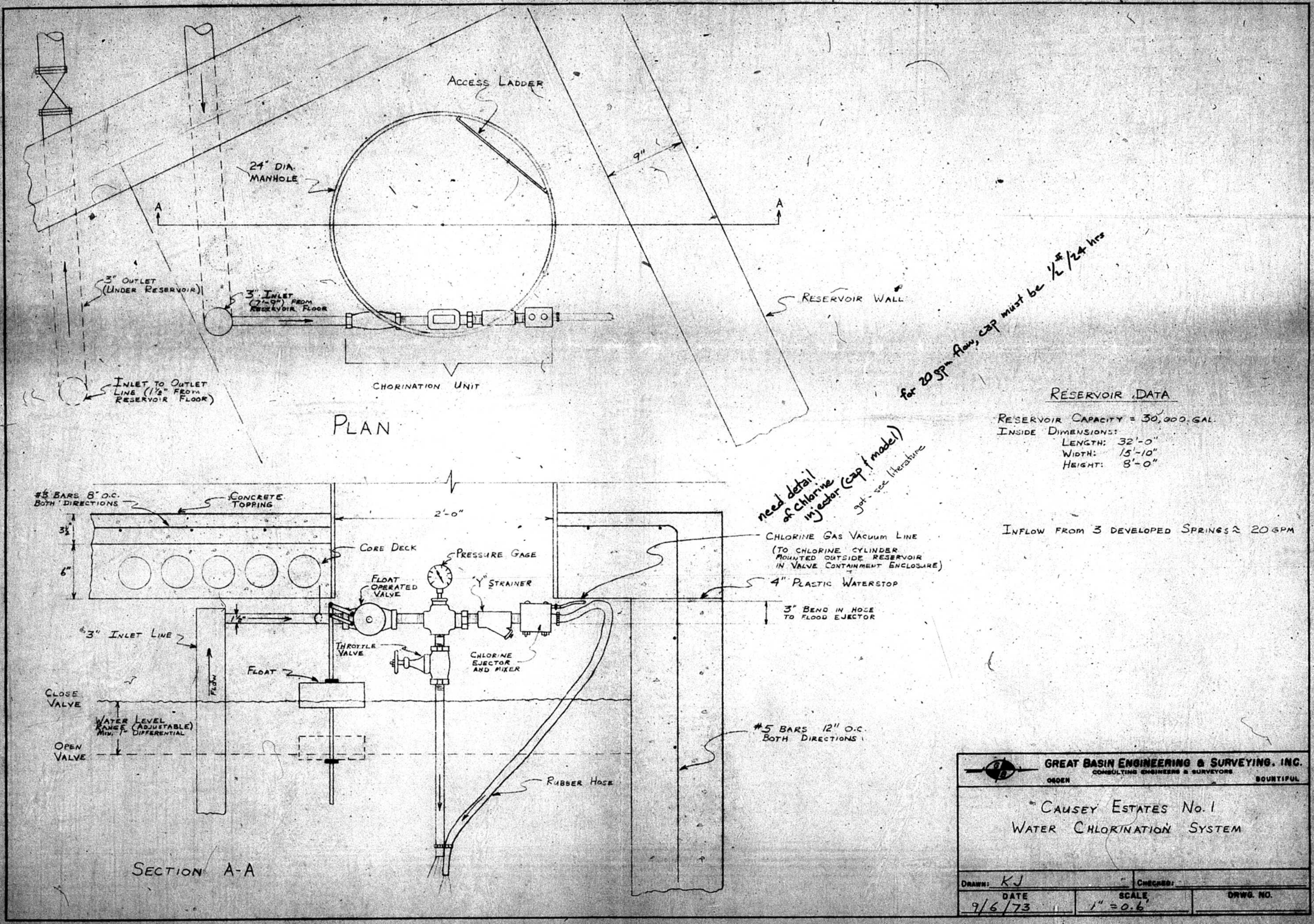


GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

DETAIL FOR PRESSURE REDUCING STATION CAUSEY ESTATES

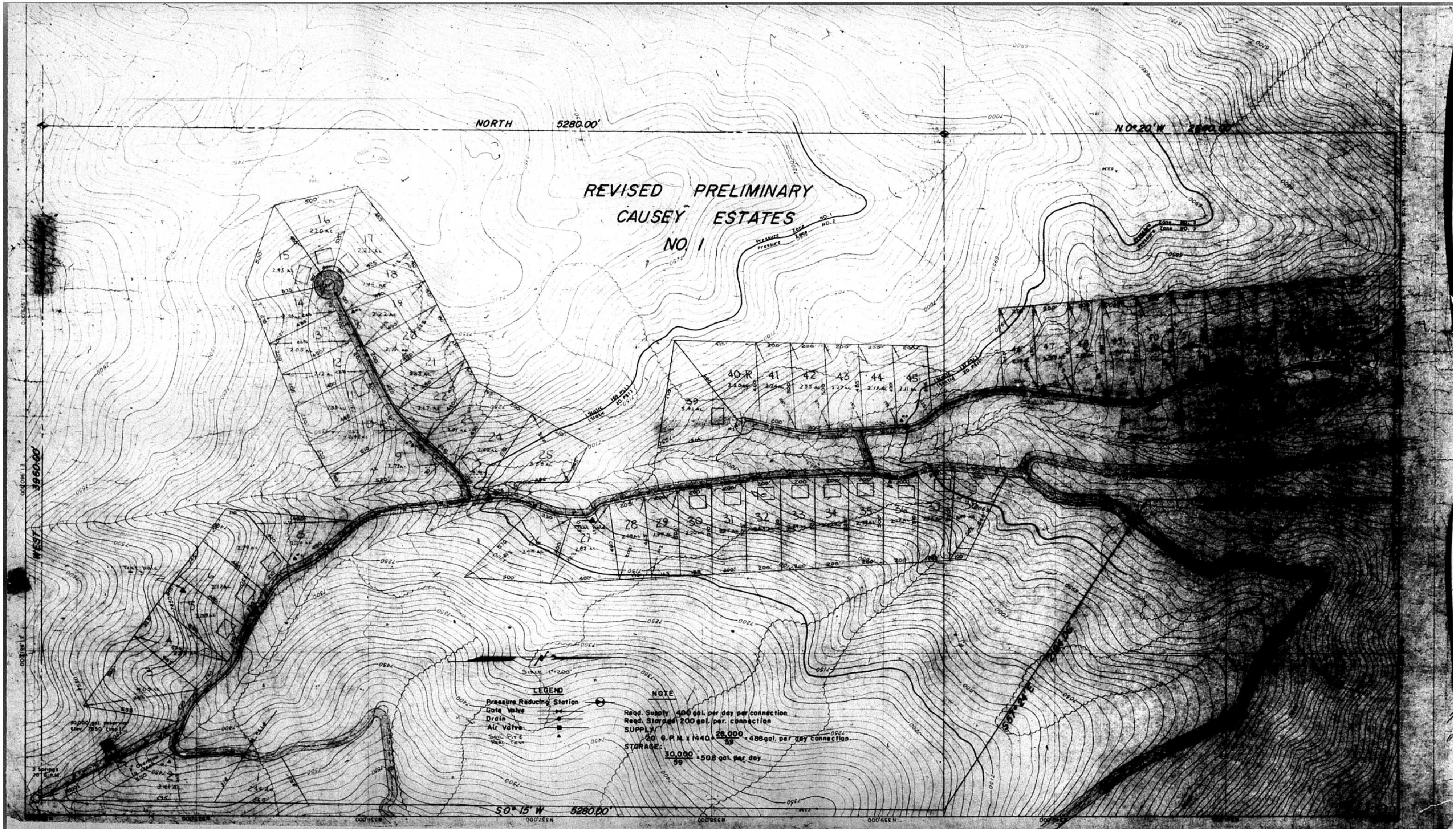
DRAWN:	CHECKED:	
DATE: Aug. 3, 1978	SCALE: 1½" = 1-0"	DRWG. NO.

DAMAGED POOR COPY



DAMAGED

POOR COPY


REVISED PRELIMINARY
CAUSEY ESTATES
NO. 1
NORTH 5280.00'
N 0°20' W 2640.00'
WEST 3960.00'
S 0° 15' W 5280.00'
SCALE 1"=200'
LEGEND
Pressure Reducing Station
Gate Valve
Drain
Air Valve
NOTE
Reqd. Supply 400 gal. per day per connection
Reqd. Storage 200 gal. per. connection
SUPPLY:
20 G.P.M. x 1440 = 28,000 / 59 = 488 gal. per day connection.
STORAGE:
30,000 / 59 = 508 gal. per day

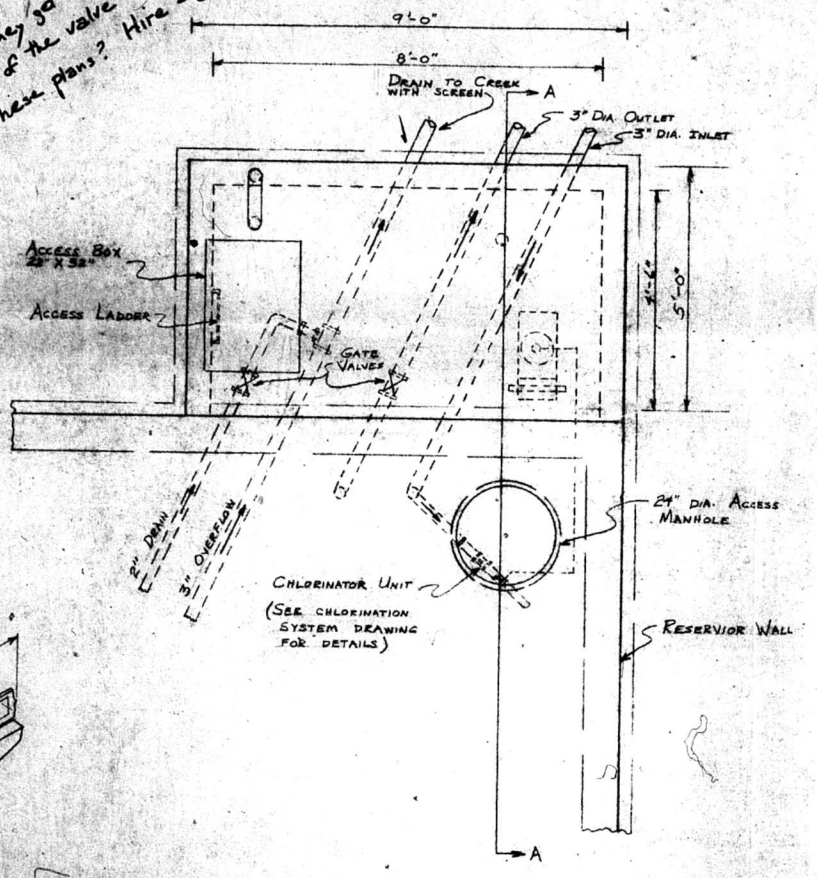
POOR COPY

How can they get a 250 # chlorine cylinder in & out of the valve box if it's constructed like these plans? Hire a gorilla!?

50# cylinder

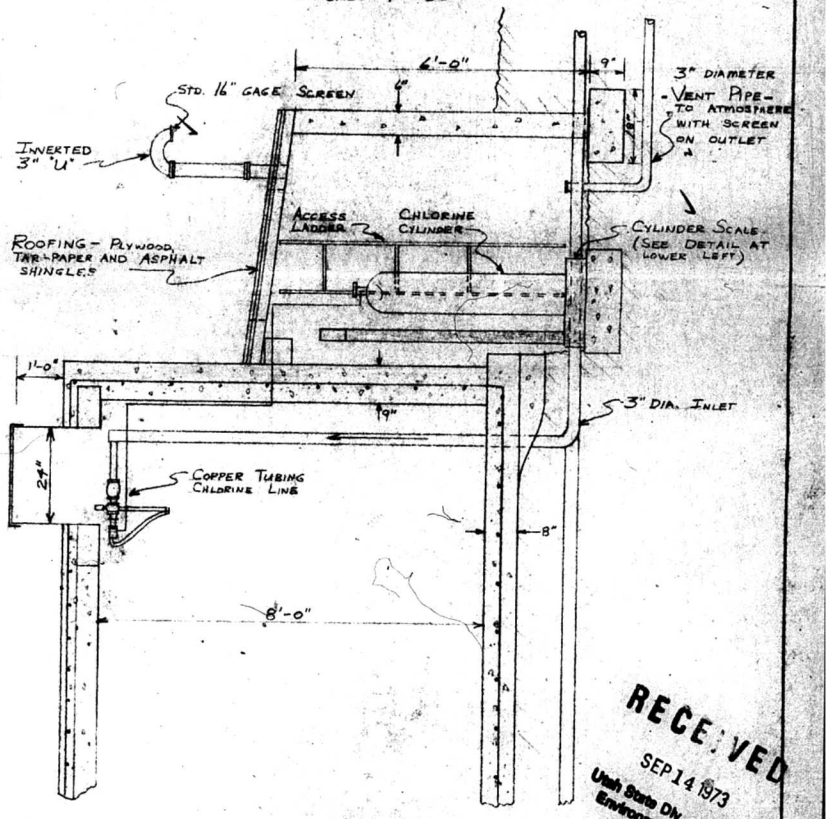
RESERVIOR VALVE BOX DETAILS

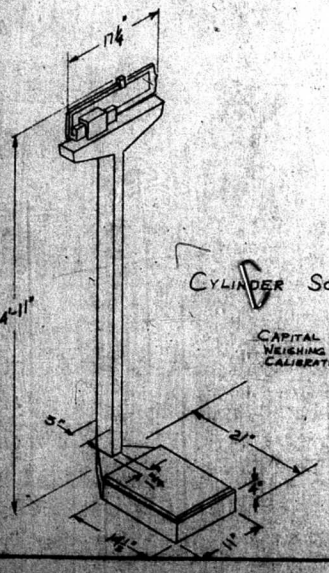
PLAN



SECTION A-A

SCALE 1" = 2.0'





CYLINDER SCALE

CAPITAL CONTROLS MODEL 437 ✓
WEIGHING CAPACITY TO 350 lbs.
CALIBRATED IN ½ lb. UNITS

NOTE:

RESIDUAL CHLORINE TESTING EQUIP. TO BE PORTABLE UNITS ✓

GAS MASK AND OTHER MISC. EQUIPMENT TO BE FURNISHED ✓

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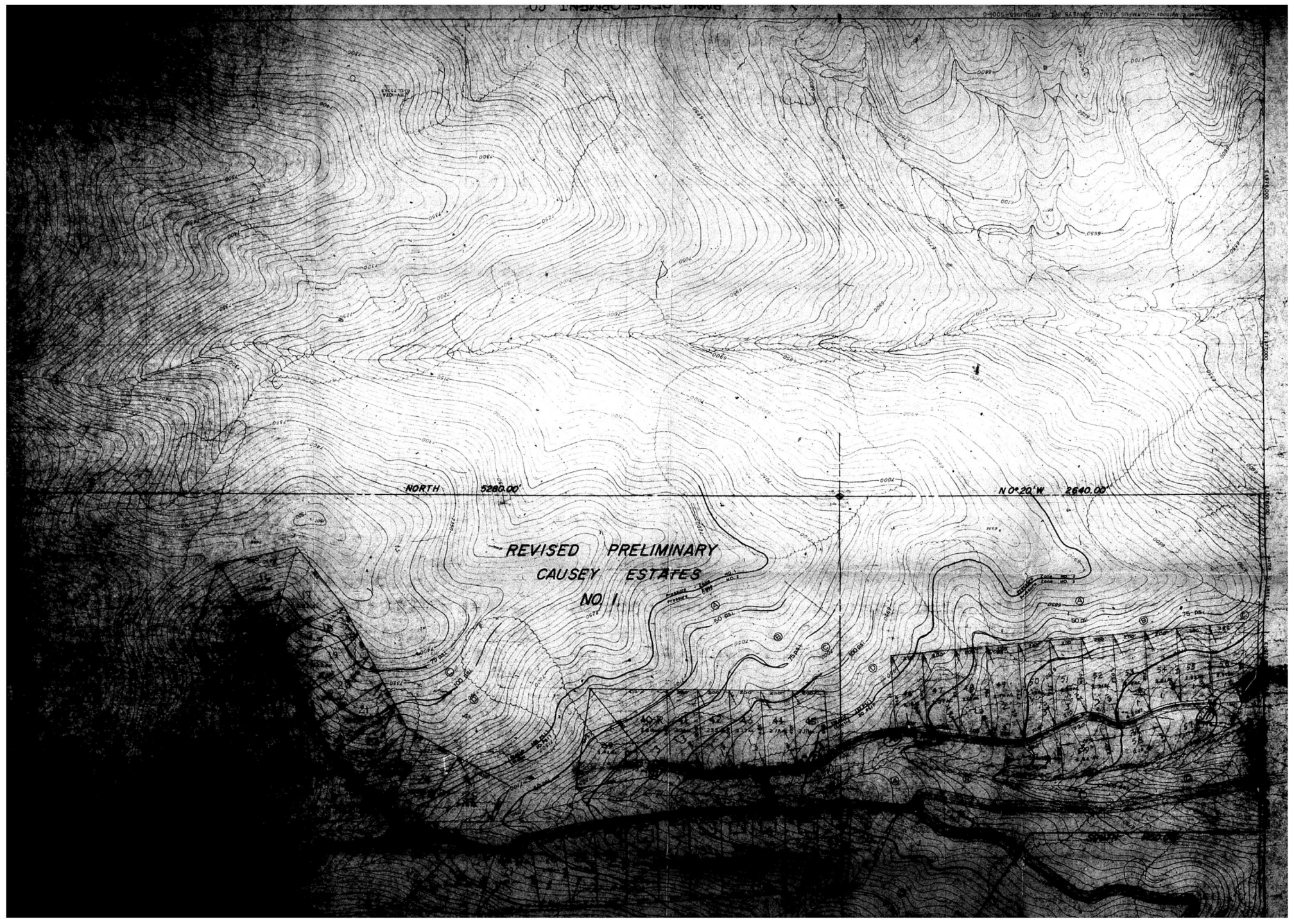
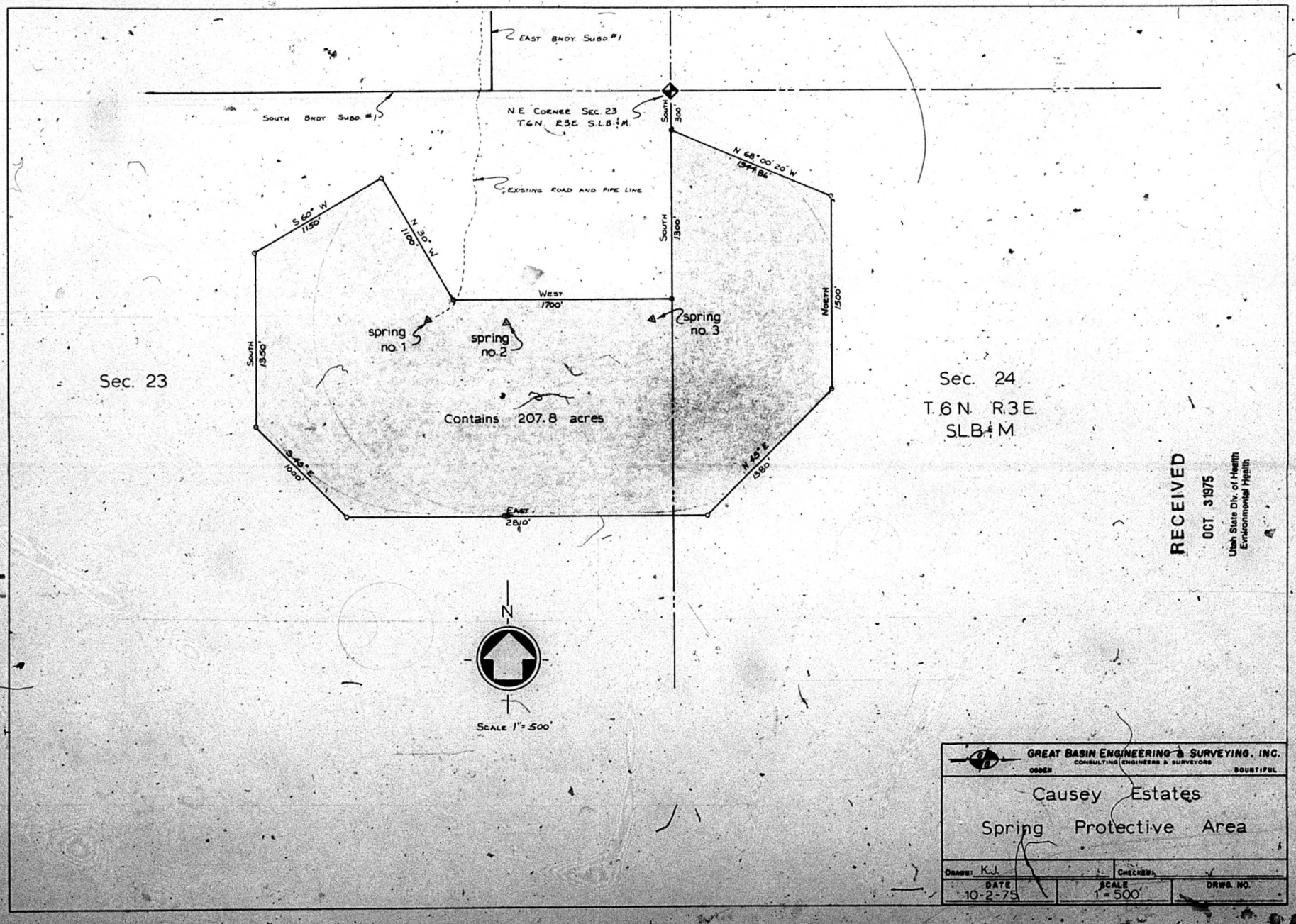
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

CAUSEY ESTATES No. 1
RESERVIOR VALVE BOX DETAIL

DRAWN: K.J.	CHECKED:	
DATE 9/10/73	SCALE 1" = 2.0'	DRWG. NO.

DAMAGED POOR COPY


NORTH 5280.00'
N 0°20' W 2640.00'
REVISED PRELIMINARY
CAUSEY ESTATES
NO. 1



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OCT 3 1975
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Environmental Health

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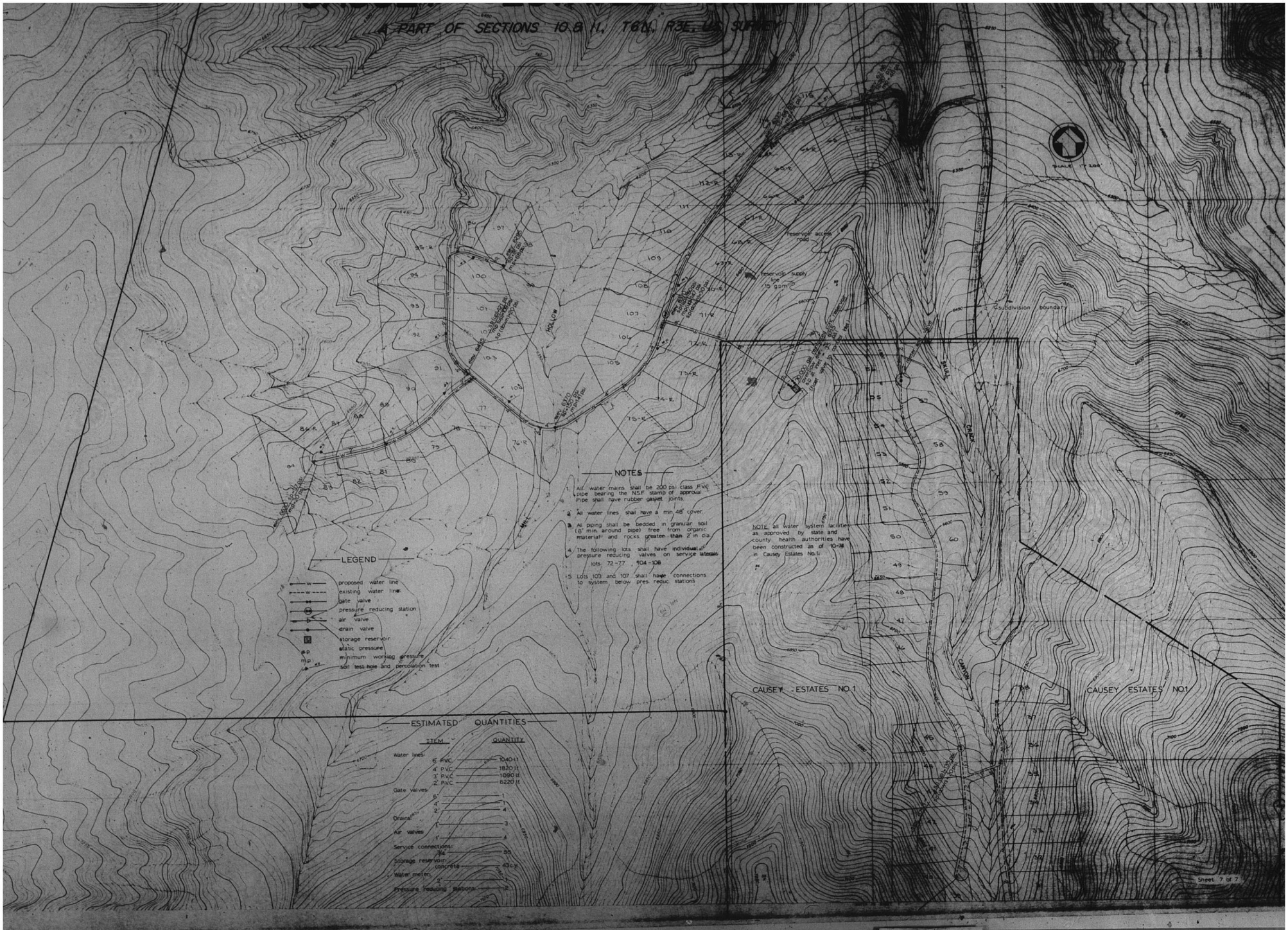
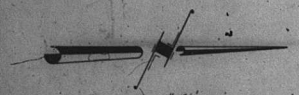
OGDEN CONSULTING ENGINEERS & SURVEYORS BOUNTIFUL

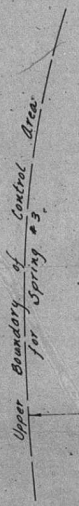
Causey Estates
Spring Protective Area

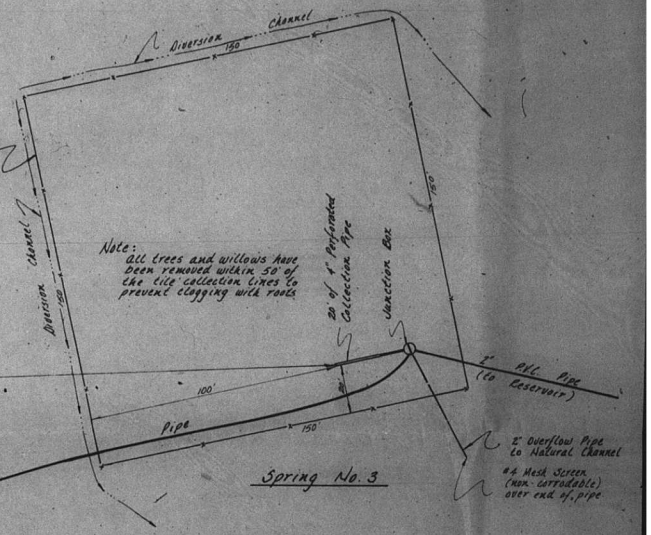
DRAWN: K.J.	CHECKED:
DATE: 10-2-75	SCALE: 1" = 500'
DRWG. NO.	


A PART OF SECTIONS 10 & 11, T6N, R3E, U.S. SURVEY
SCALE 1" = 200'
reservoir access road
reservoir supply line 15 gpm
subdivision boundary
CANYON
CAUSEY ESTATES NO.1
CAUSEY ESTATES NO.1
NOTES
1. All water mains shall be 200 psi class PVC pipe bearing the N.S.F. stamp of approval. Pipe shall have rubber gasket joints.
2. All water lines shall have a min. 48" cover.
3. All piping shall be bedded in granular soil (6" min. around pipe) free from organic material and rocks greater than 2" in dia.
4. The following lots shall have individual pressure reducing valves on service laterals: lots 72-77, 104-108
5. Lots 103 and 107 shall have connections to system below pres. reduc. stations
NOTE all water system facilities as approved by state and county health authorities have been constructed as of 10-71 in Causey Estates No.1.
LEGEND
proposed water line
existing water line
gate valve
pressure reducing station
air valve
drain valve
storage reservoir
static pressure
minimum working pressure
soil test hole and percolation test
ESTIMATED QUANTITIES
ITEM
QUANTITY
Water lines:
6" PVC 1040 lf
4" PVC 1820 lf
3" PVC 1090 lf
2" PVC 6220 lf
Gate valves:
6" 1
4" 1
2" 4
Drains:
1" 3
Air valves:
1" 4
Service connections:
3/4" 59
Storage reservoir concrete 43 cy
Water meter: 2
Pressure reducing stations: 2
Sheet 7 of 7

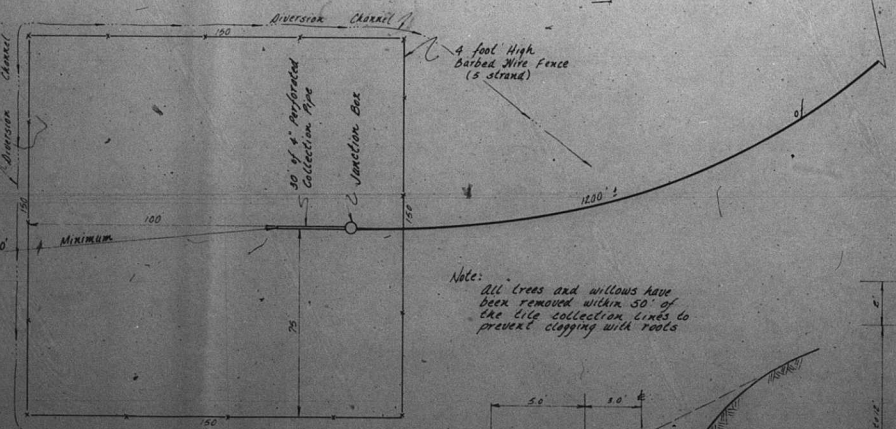
POOR COPY



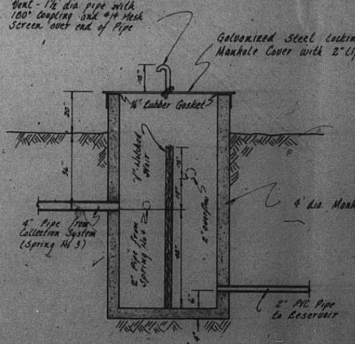




Spring No. 3



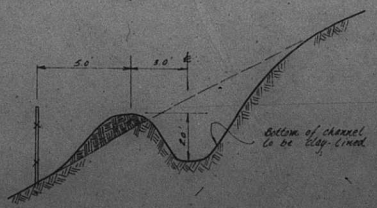
Spring No 4



Junction Box Detail (Spring No. 3)

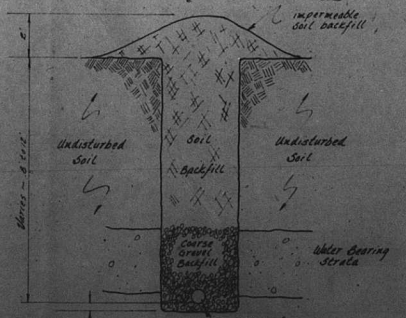
No Scale

Note: All trees and willows have been removed within 50' of the tile collection lines to prevent clogging with roots



Typical Detail for Diversion Channel

No Scale



Typical Trench Detail for Collection Pipe

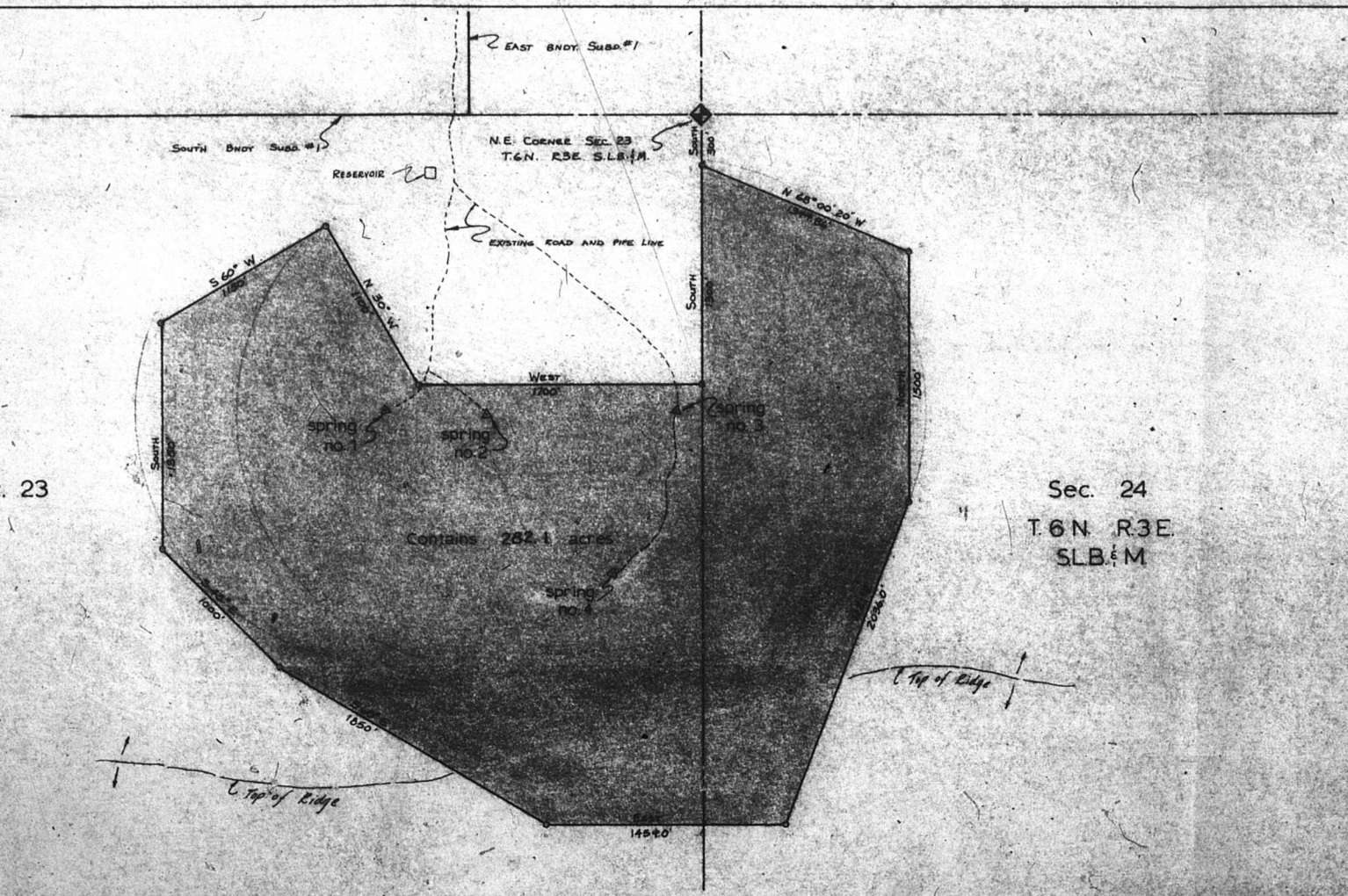
No Scale

APPROVED
UTAH STATE DIV. OF HEALTH
SAFE DRINKING WATER COMMITTEE
FEB 23 1982
REVIEW ENGINEER
EXECUTIVE SECRETARY

GREAT BASIN ENGINEERING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN, UTAH & EVANSTON, WYOMING

Spring Development Plan for Causey Estates

DRAWN	CHECKED	APPROVED
M.E.B.		
DATE	SCALE	JOB NO.
November 17, 1981	As Shown	



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FEB 10 1982
Utah State Div. of Environmental Health

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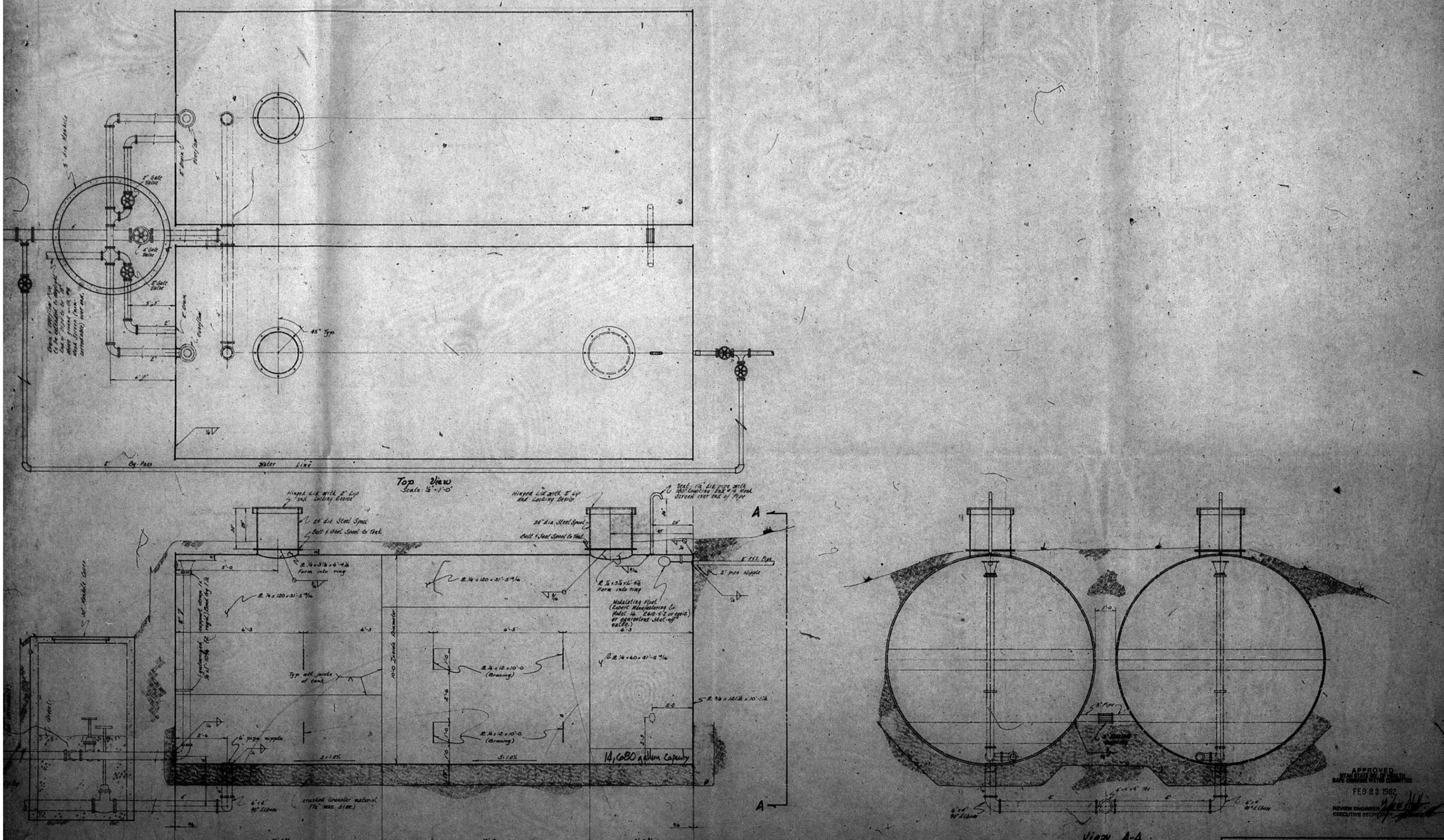
UTAH STATE DIV. OF HEALTH
SAFE DRINKING WATER COMMITTEE
FEB 23 1982
REVIEW ENGINEER
EXECUTIVE SECRETARY

GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
SPRINGVILLE, UTAH

Causey Estates
Spring Protective Area

DRAWN	CHECKED
K.J.	
DATE	SCALE	DRWG. NO.
10-2-75	1"=500'	



Note:
Reservoir and newly install water lines will be disinfected according to AWWA C-105 Requirements prior to culinary use.

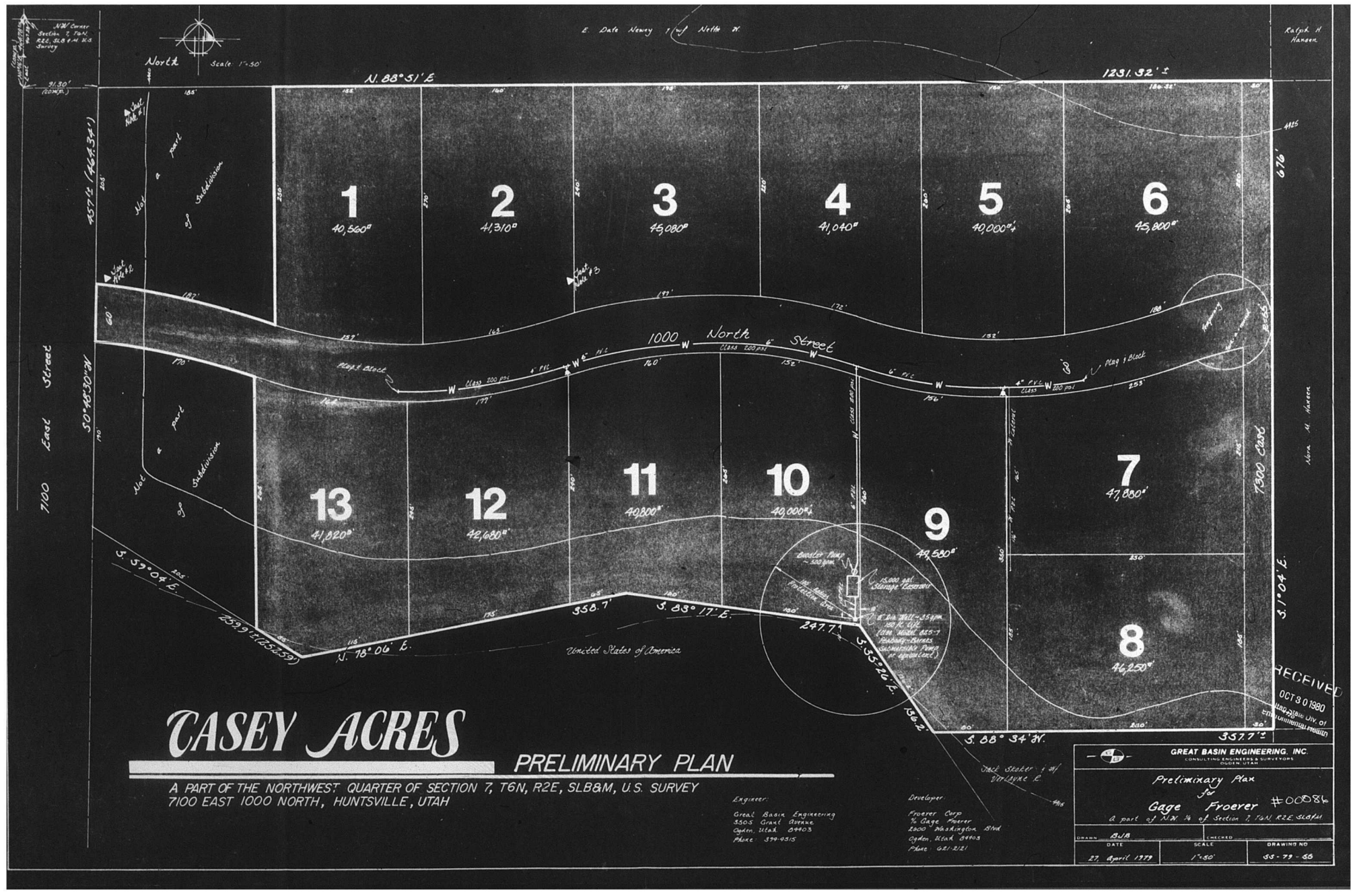
GREAT BASIN ENGINEERING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN, UTAH

Reservoir Design for Causey Estates No. 3

DRAWN	CHECKED
BJB & MB	

DATE	SCALE	DRAWING
October 22, 1980	1" = 20'	


CASEY ACRES
PRELIMINARY PLAN
A PART OF THE NORTHWEST QUARTER OF SECTION 7, T6N, R2E, SLB&M, U.S. SURVEY
7100 EAST 1000 NORTH, HUNTSVILLE, UTAH
North
Scale: 1"=50'
N.W. Corner Section 7, T6N, R2E, SLB&M, U.S. Survey
E. Dale Newey & w/ Nellie W.
Ralph H. Hansen
Nora H. Hansen
N. 88° 51' E.
1231.32'±
S. 0° 48' 30" W.
7100 East Street
7300 East
S. 1° 04' E.
S. 88° 34' W.
357.7'±
S. 59° 04' E.
N. 78° 06' E.
358.7'
S. 83° 17' E.
247.7'
S. 33° 26' E.
1000 North Street
Not a part of Subdivision
United States of America
Jack Stoker & w/ VerLayne L.
1
40,560□'
2
41,310□'
3
45,080□'
4
41,040□'
5
40,000□'±
6
45,800□'
7
47,880□'
8
46,250□'
9
47,580□'
10
40,000□'±
11
40,800□'
12
42,680□'
13
41,820□'
Engineer:
Great Basin Engineering
3505 Grant Avenue
Ogden, Utah 84403
Phone: 394-0515
Developer:
Froerer Corp
% Gage Froerer
2600 Washington Blvd
Ogden, Utah 84403
Phone: 621-2121
GREAT BASIN ENGINEERING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN, UTAH
Preliminary Plan for Gage Froerer
#00086
A part of N.W. 1/4 of Section 7, T6N, R2E, SLB&M
DRAWN BJB
CHECKED
DATE 27 April 1979
SCALE 1"=50'
DRAWING NO 55-79-68
RECEIVED
OCT 30 1980
Utah State Div. of Environmental Health



CASEY ACRES

PRELIMINARY PLAN

A PART OF THE NORTHWEST QUARTER OF SECTION 7, T6N, R2E, SLB&M, U.S. SURVEY
7100 EAST 1000 NORTH, HUNTSVILLE, UTAH

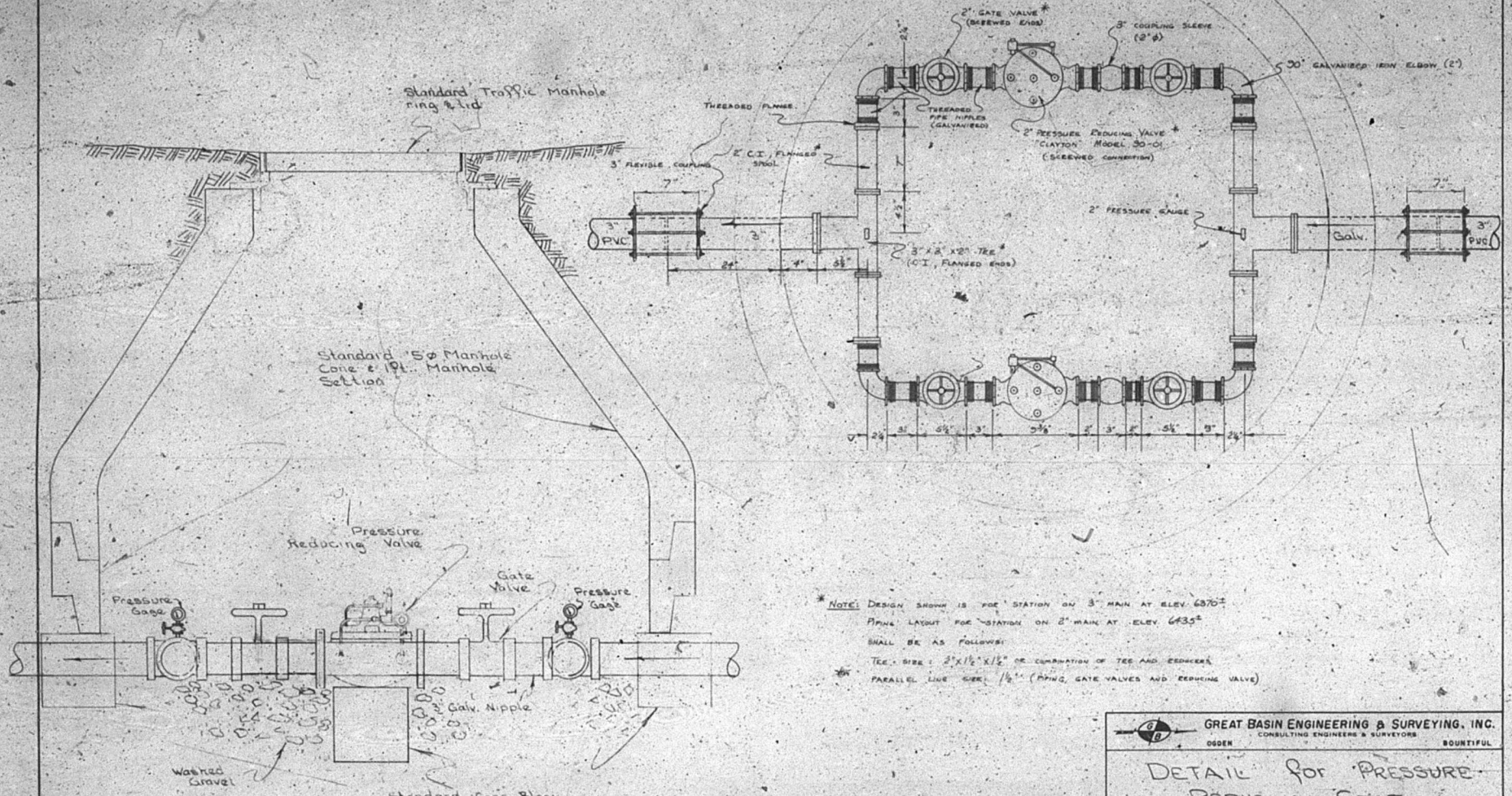
Engineer:
Great Basin Engineering
3505 Grant Avenue
Ogden, Utah 84403
Phone: 394-4515

Developer:
Froerer Corp
% Gage Froerer
2000 Washington Blvd
Ogden, Utah 84403
Phone: 621-2121

GREAT BASIN ENGINEERING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN, UTAH

Preliminary Plat for Gage Froerer #00086
a part of NW ¼ of Section 7, T6N, R2E SLB&M

DRAWN	CHECKED	
BJB		
DATE	SCALE	DRAWING NO
27, April 1979	1"=50'	55-79-66



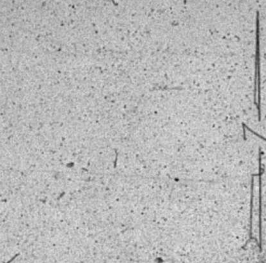
* NOTE: DESIGN SHOWN IS FOR STATION ON 3" MAIN AT ELEV. 6870±
PIPING LAYOUT FOR STATION ON 2" MAIN AT ELEV. 6435±
SHALL BE AS FOLLOWS:
TEE: SIZE: 2"x1½"x1½" OR COMBINATION OF TEE AND REDUCERS
PARALLEL LINE SIZE: 1½" (PIPING, GATE VALVES AND REDUCING VALVE)

GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

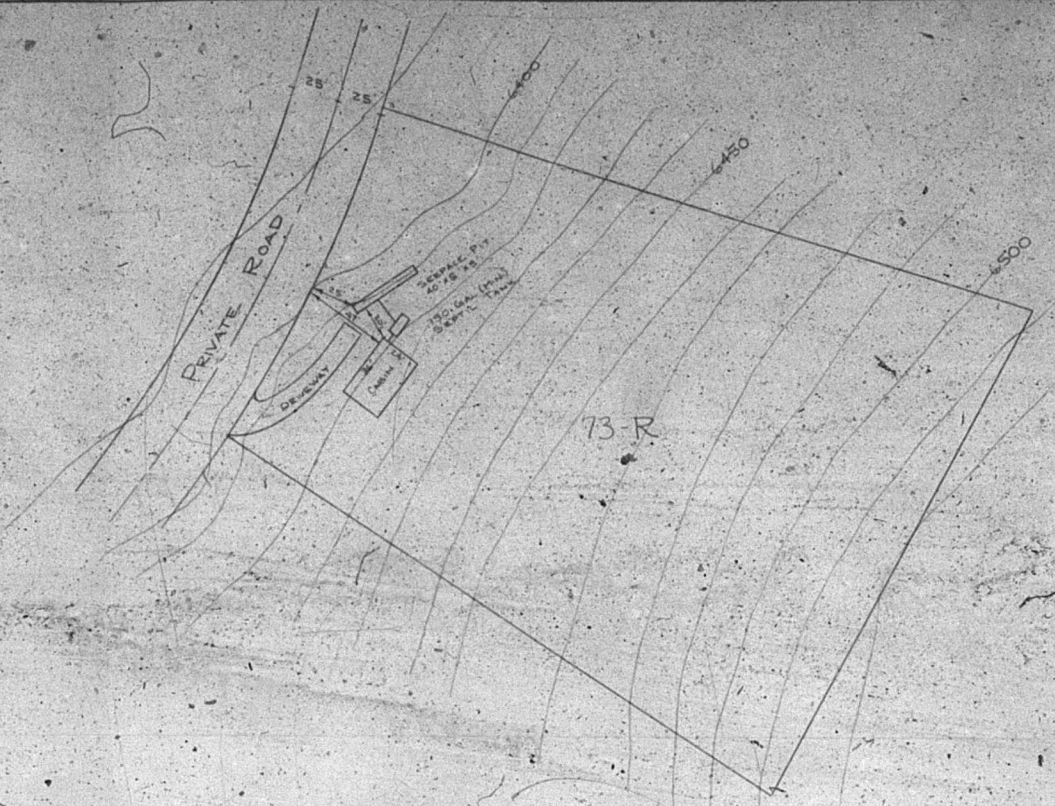
DETAIL for PRESSURE REDUCING STATION CAUSEY ESTATES #2

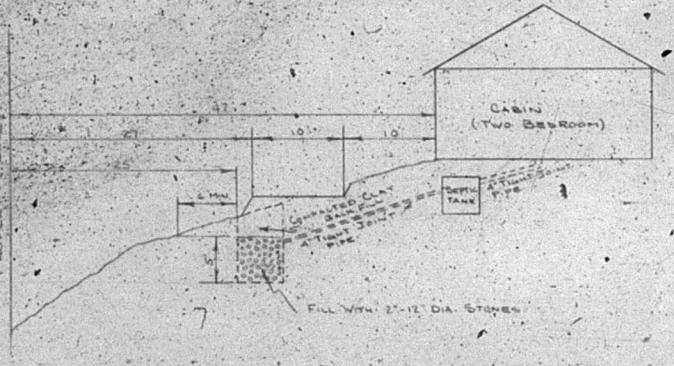
DRAWN:	CHECKED:	
DATE: APRIL, 1975	SCALE: 1½" = 1'-0"	DRWG. NO.

TYPICAL DESIGN PROBLEM LOT



SEEPAGE
SOIL IS SANDY CLAY & GRAVEL USE 200 SQ. FT.
PER BEDROOM (400 SQ. FT. TOTAL)
USE 750 GAL. SEPTIC TANK (MIN.)
SECONDARY SEEPAGE RATE - AREA WAS 30 MIN./IN.
PRIMARY SEEPAGE RATE - AREA WAS 20 MIN./IN.





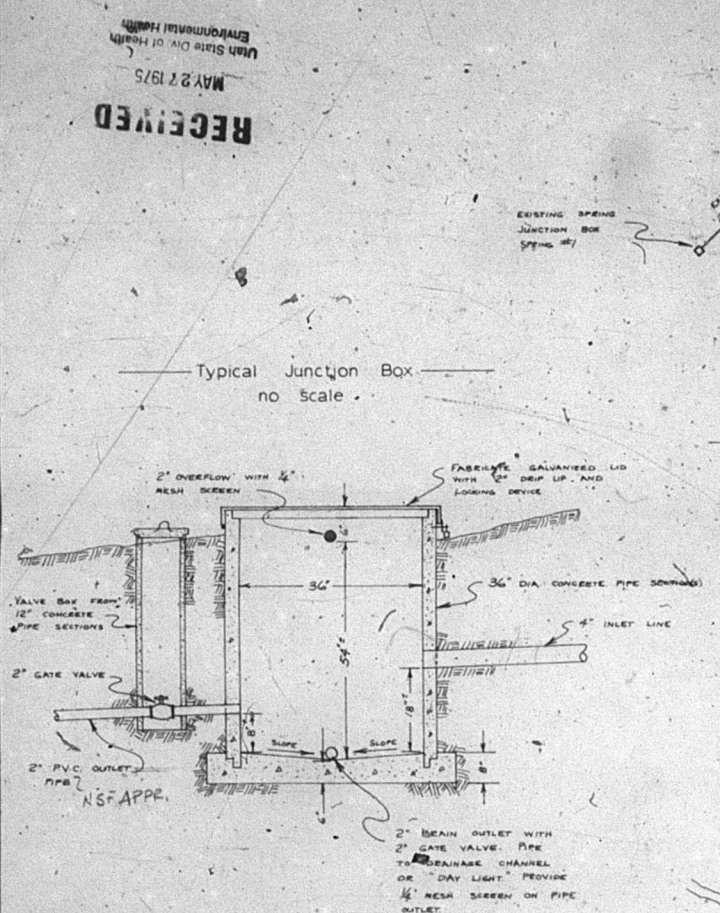
GROUND PROFILE
SCALE 1"=10'

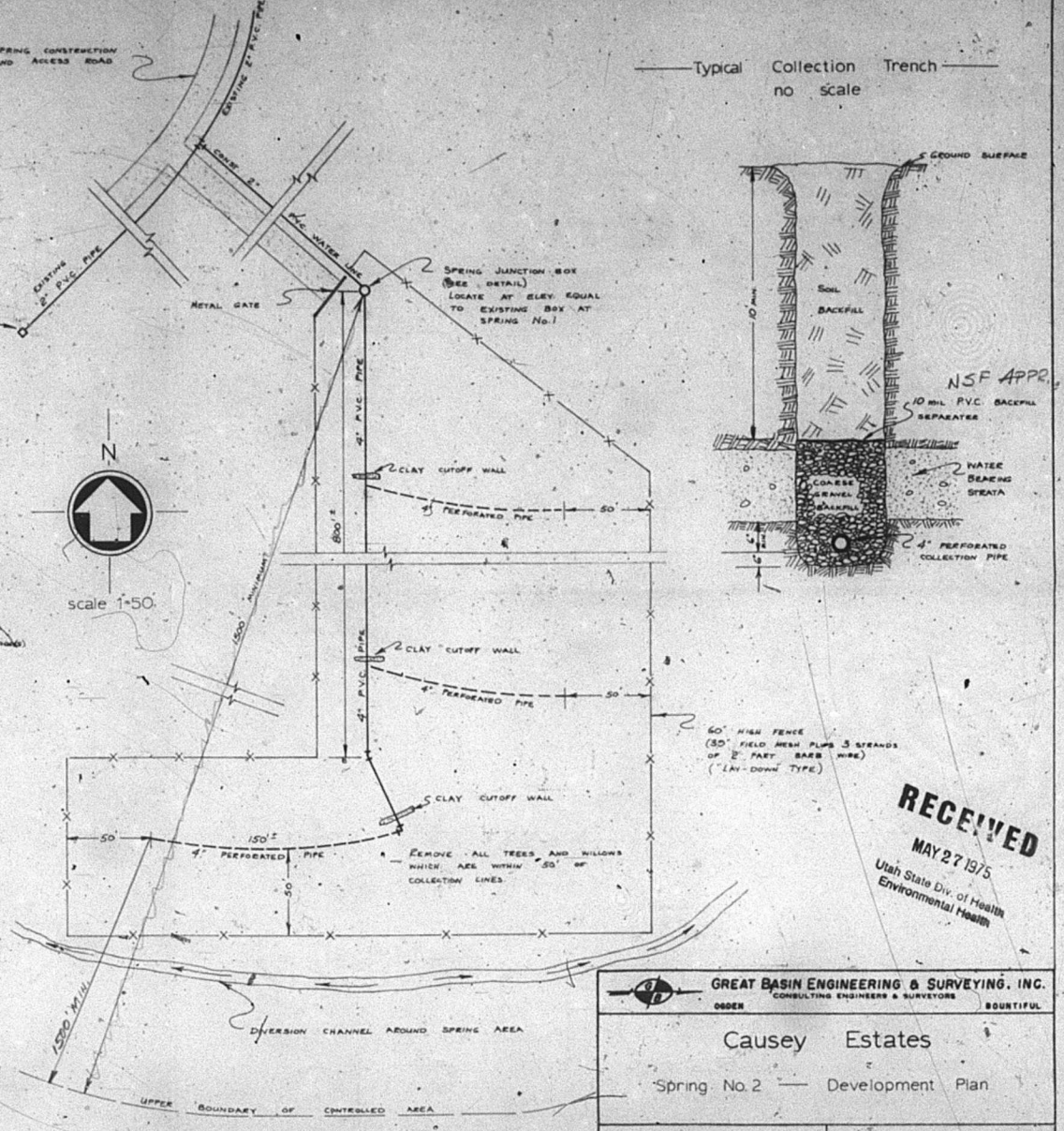
GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

PLOT PLAN
LOT 73-R
CAUSEY ESTATES SUB. NO. 2

DRAWN: GR	CHECKED:
DATE 2-5-75	SCALE 1"=50'
	DRWG. NO.

RECEIVED
MAY 27 1975
Utah State Div. of Health
Environmental Health





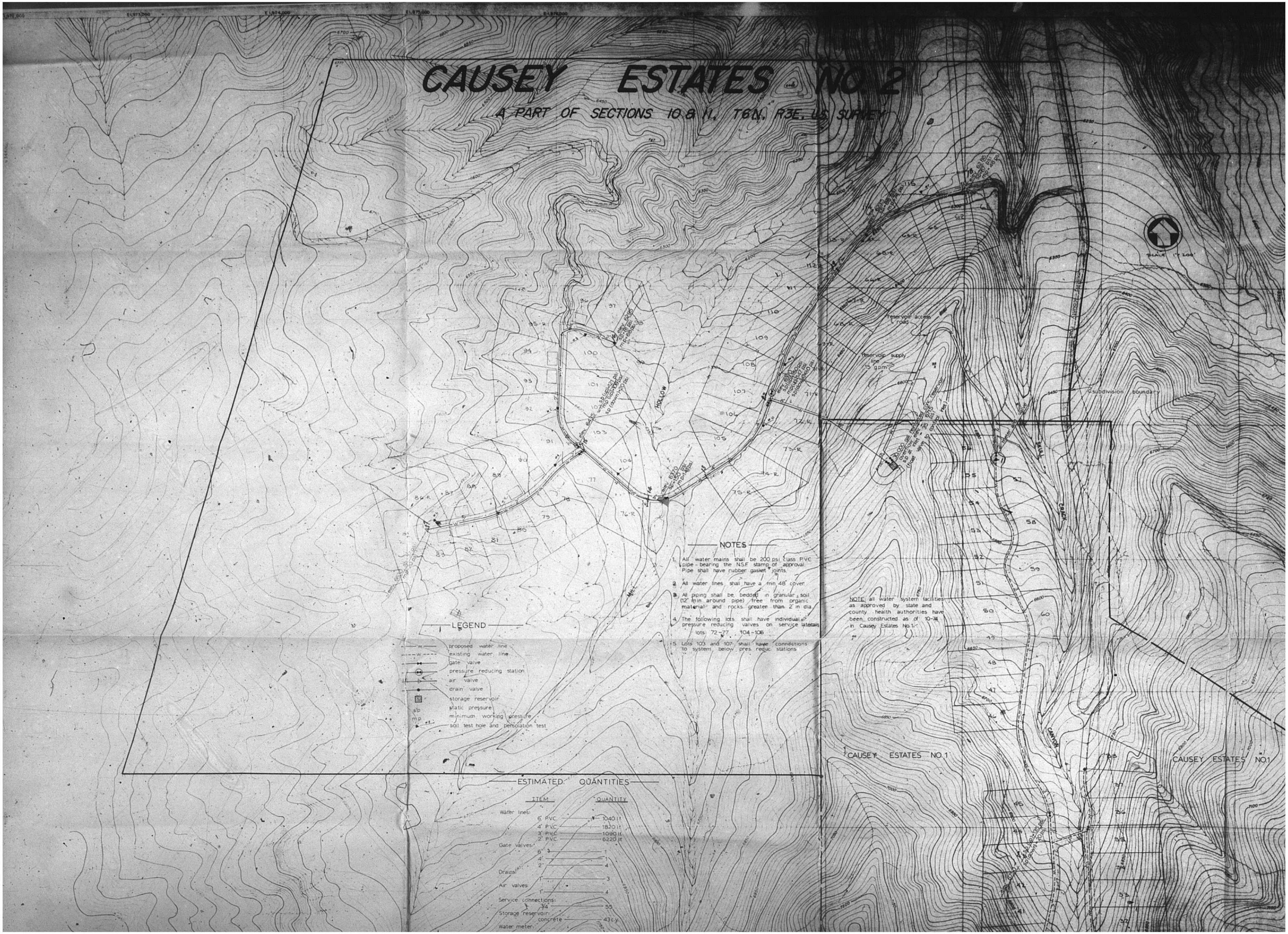
RECEIVED
MAY 27 1975
Utah State Div. of Health
Environmental Health

GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

Causey Estates

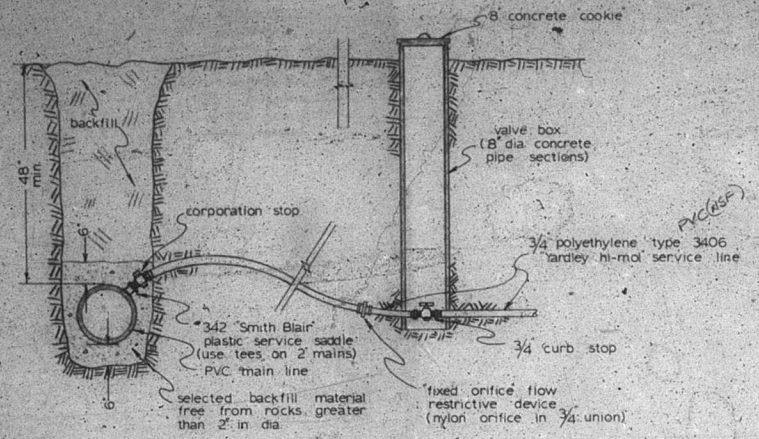
Spring No. 2 — Development Plan

DRAWN: K.J.	CHECKED:	
DATE: march '75	SCALE: 1" = 50'	DRWG. NO.


CAUSEY ESTATES NO. 2
A PART OF SECTIONS 10 & 11, T6N, R3E, U.S. SURVEY
SCALE 1"=200'
HOLLOW
MILL
SKULL
CRACK
CANYON
existing county road
subdivision boundary
reservoir access road
reservoir supply line 15 gpm
30,000 gal reinforced conc. reservoir overflow elev. = 6715 s.p. at inlet = 35 psi (float valve to control inlet)
meter and valve
elev. 6295 sp=88 psi mp=68 psi
elev. 6435 sp (up)=121 psi mp (up)=108 psi sp (down)=20 psi
elev. 6370 sp=150 psi mp=148 psi
elev. 6235 sp=88 psi mp=74 psi
elev. 6285 sp=67 psi mp=48 psi
NOTES
1. All water mains shall be 200 psi class P.V.C pipe - bearing the N.S.F stamp of approval. Pipe shall have rubber gasket joints.
2. All water lines shall have a min 48" cover.
3. All piping shall be bedded in granular soil (12" min around pipe) free from organic material and rocks greater than 2" in dia.
4. The following lots shall have individual pressure reducing valves on service laterals. lots: 72-77 104-108
5. Lots 103 and 107 shall have connections to system below pres. reduc. stations.
NOTE: all water system facilities as approved by state and county health authorities have been constructed as of 10-74 in Causey Estates No.1.
LEGEND
proposed water line
existing water line
gate valve
pressure reducing station
air valve
drain valve
storage reservoir
s.p static pressure
m.p minimum working pressure
soil test hole and percolation test
ESTIMATED QUANTITIES
ITEM QUANTITY
Water lines:
6" P.V.C. 1040 l.f.
4" P.V.C. 1820 l.f.
3" P.V.C. 1090 l.f.
2" P.V.C. 6220 l.f.
Gate valves:
6" 1
4" 1
2" 4
Drains:
1" 3
Air valves:
1" 4
Service connections:
3/4" 55
Storage reservoir:
concrete 43 c.y.
Water meter:
CAUSEY ESTATES NO.1
CAUSEY ESTATES NO.1

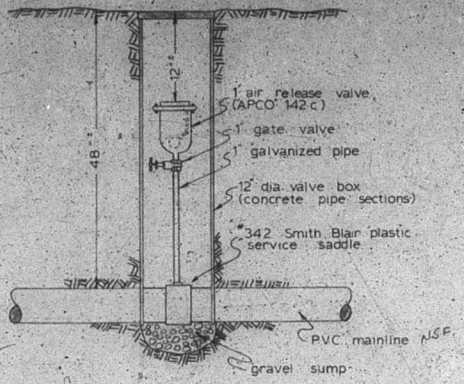
TYPICAL TRENCH AND SERVICE CONNECTION

no scale



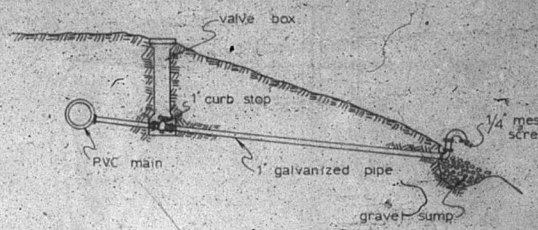
AIR VALVE DETAIL

no scale



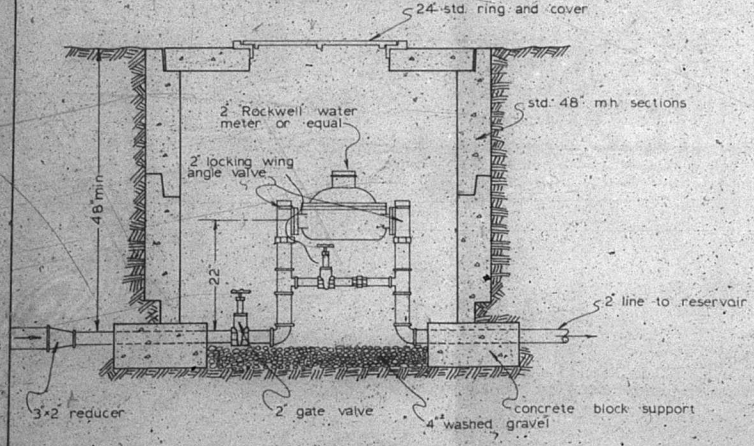
TYPICAL DRAIN

no scale



METER BOX DETAILS

no scale

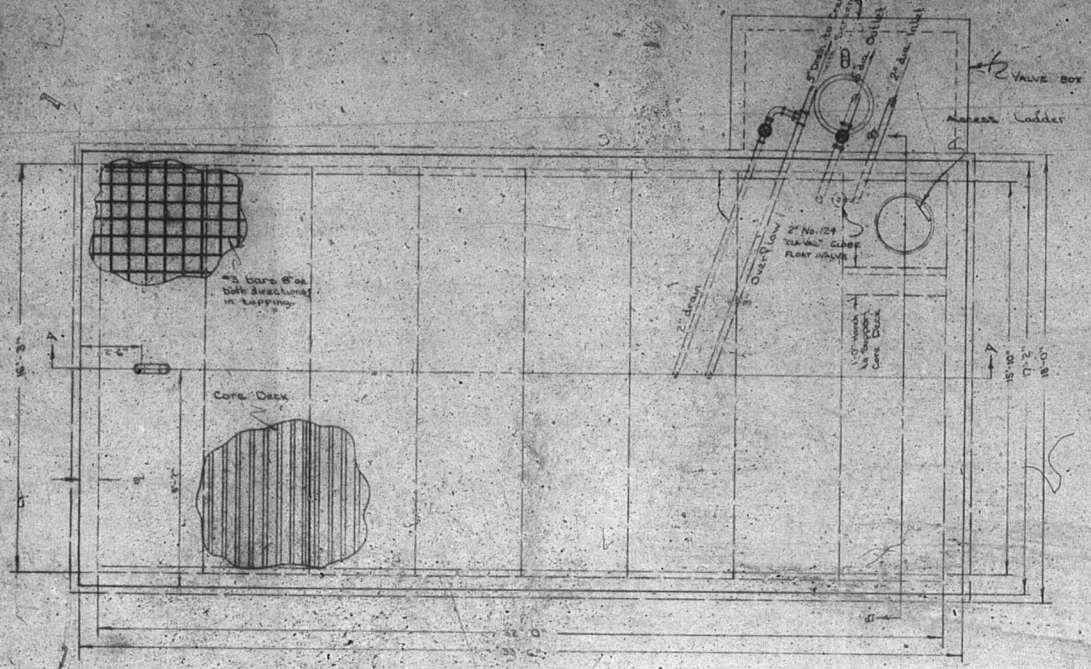


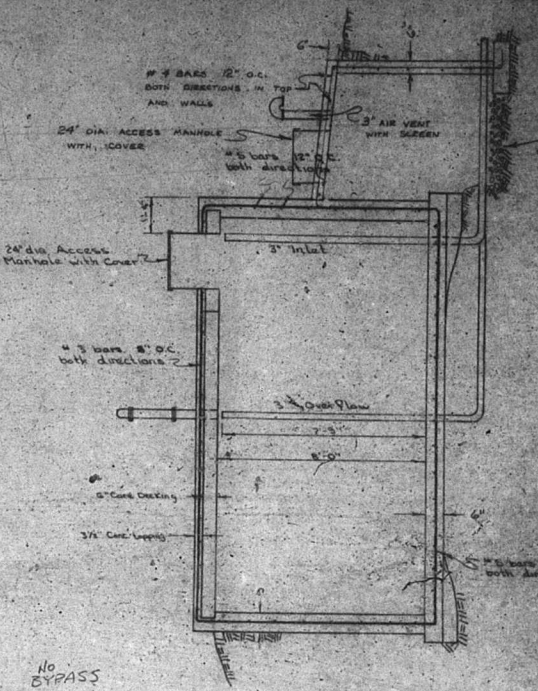
GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

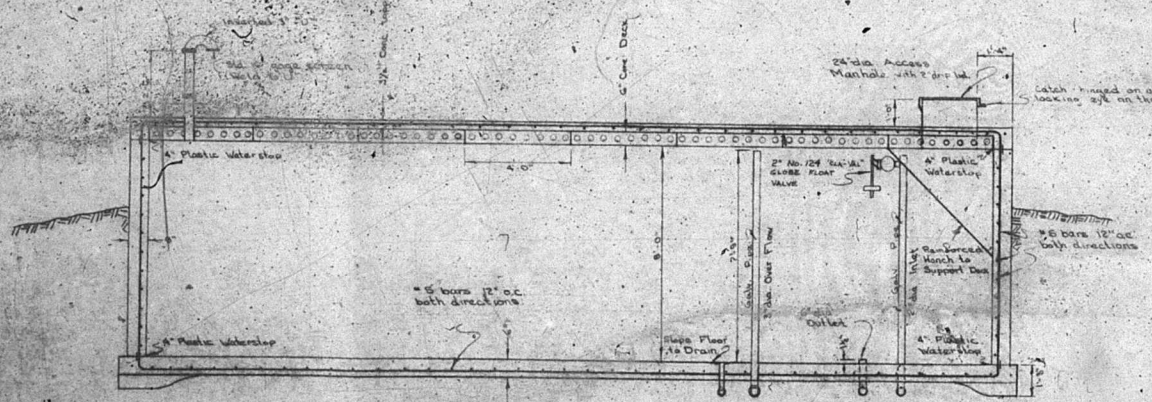
CAUSEY ESTATES

Water System Details

DRAWN: K.J	CHECKED:
DATE: march '75	SCALE
	DRWG. NO. 6







SECTION A A
Scale 3/8" = 1'-0"

P.V.C. WATERSTOP DETAIL
No Scale

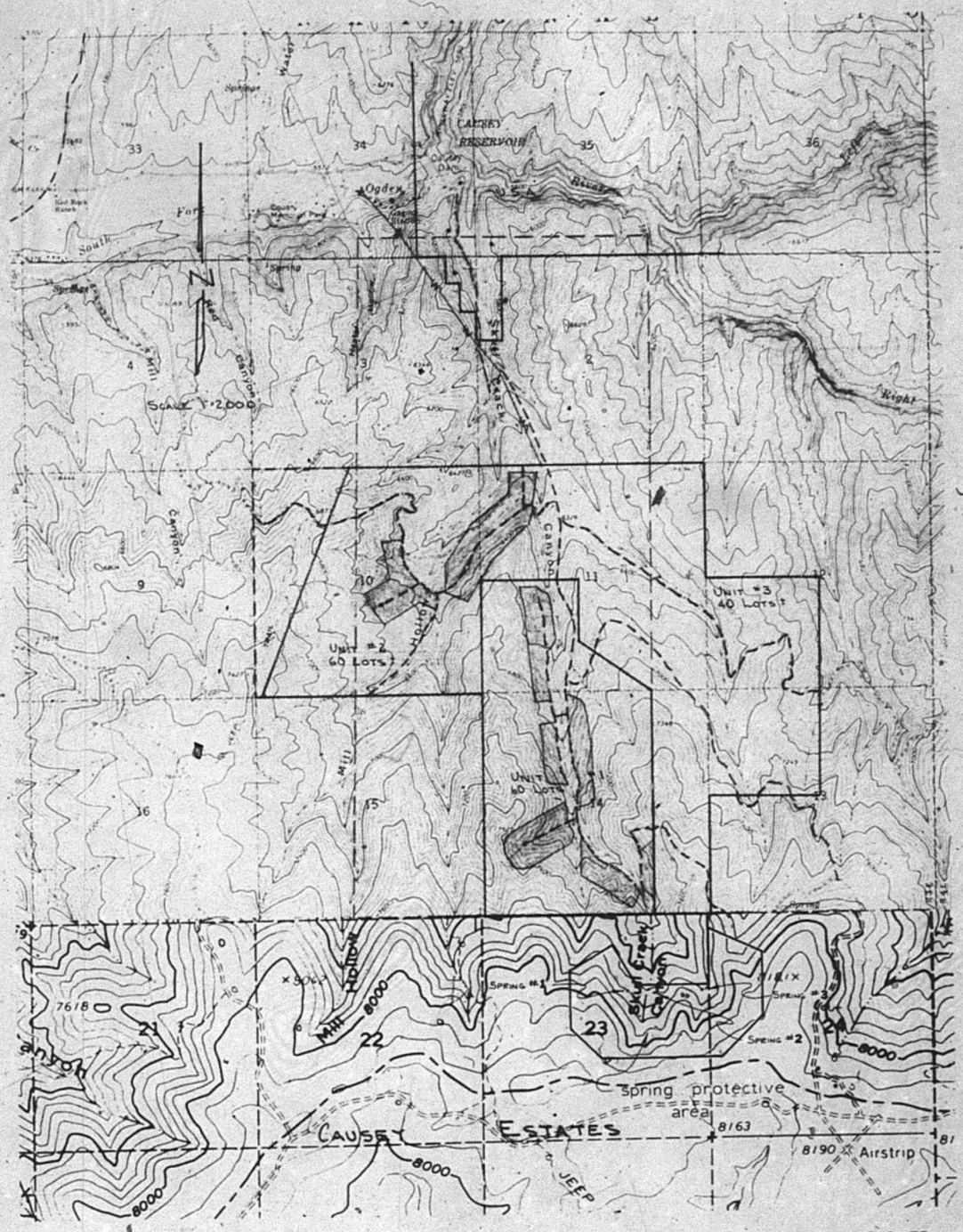
NOTES: 1) ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I.

2) ESTIMATED CONCRETE VOLS 43 C.Y. (NOT INCLUDING "CORE DECK" PANELS)

GREAT BASIN ENGINEERING & SURVEYING, INC.
OGDEN — CONSULTING ENGINEERS & SURVEYORS — TOOELE

30,000 GALLON CONCRETE RESERVOIR for CAUSEY ESTATES SUBD

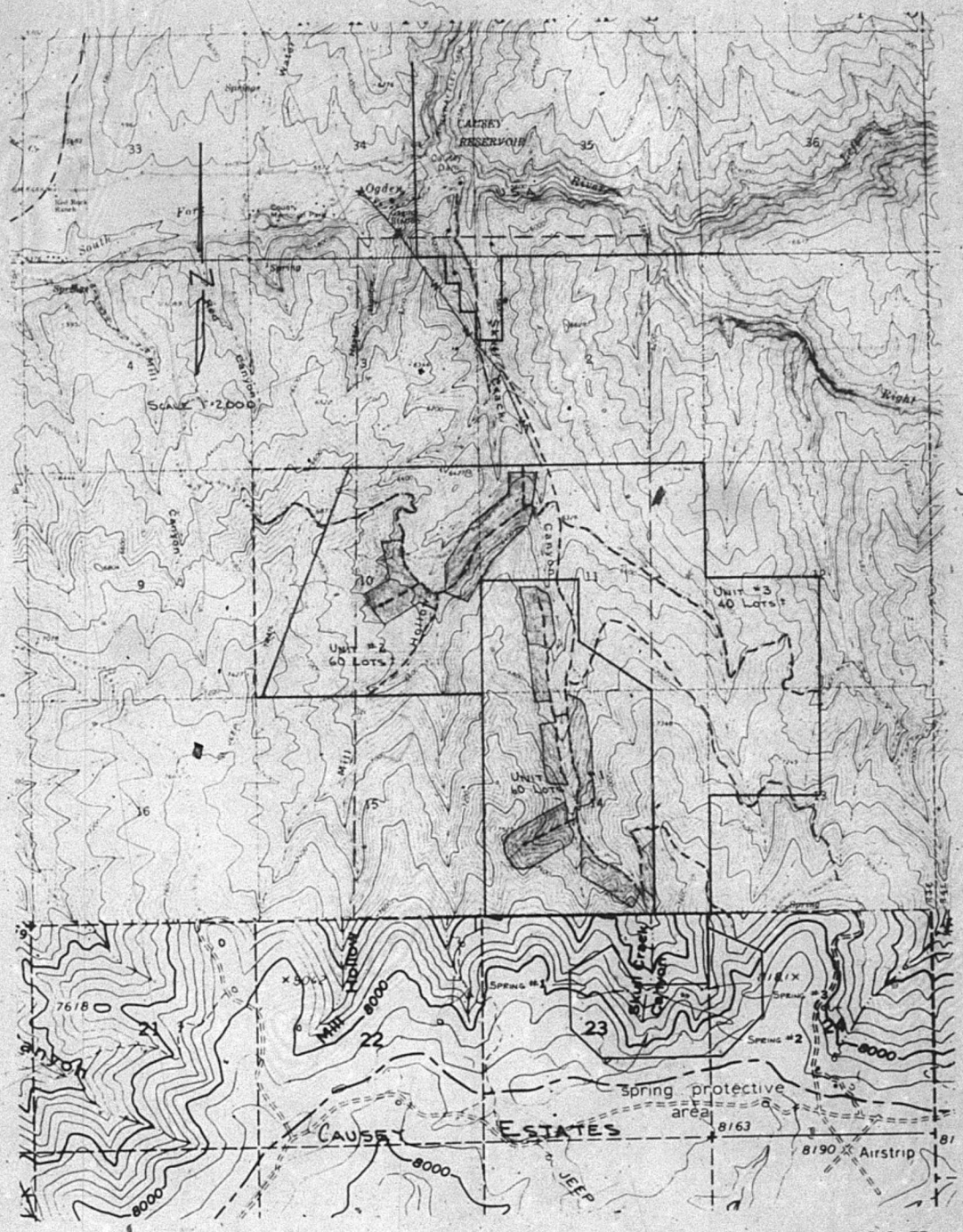
DRAWN: AJP	CHECKED:
DATE	SCALE 3/8" = 1'-0"
	DRWG NO



Rev. 10-3-75

Sheet 1 of 7

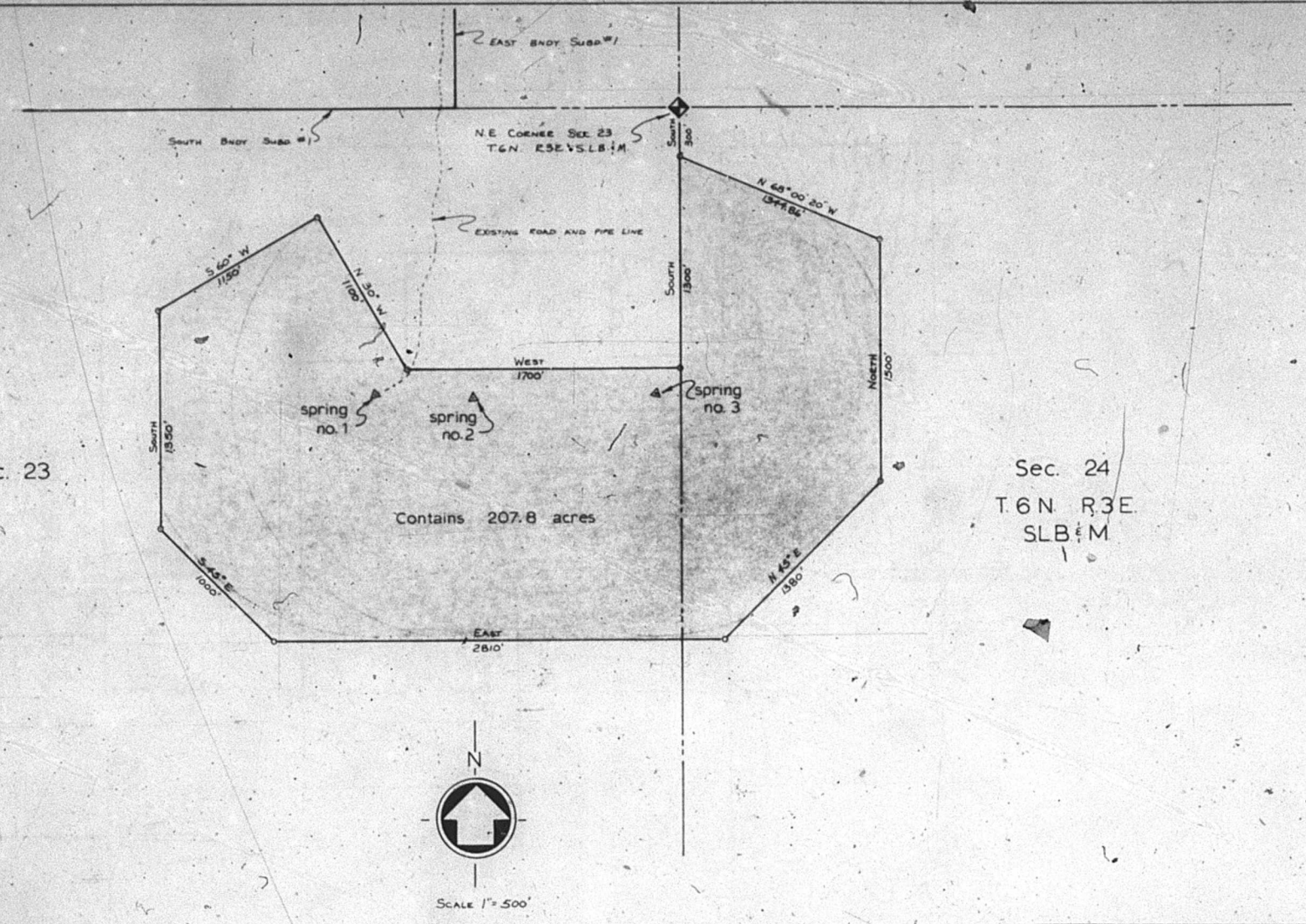
RECEIVED
OCT 3 1975
Utah State Div. of Health
Environmental Health



Rev. 10-3-75

Sheet 1 of 7

RECEIVED
OCT 3 1975
Utah State Div. of Health
Environmental Health



RECEIVED
OCT 3 1975
Utah State Div. of Health
Environmental Health

GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

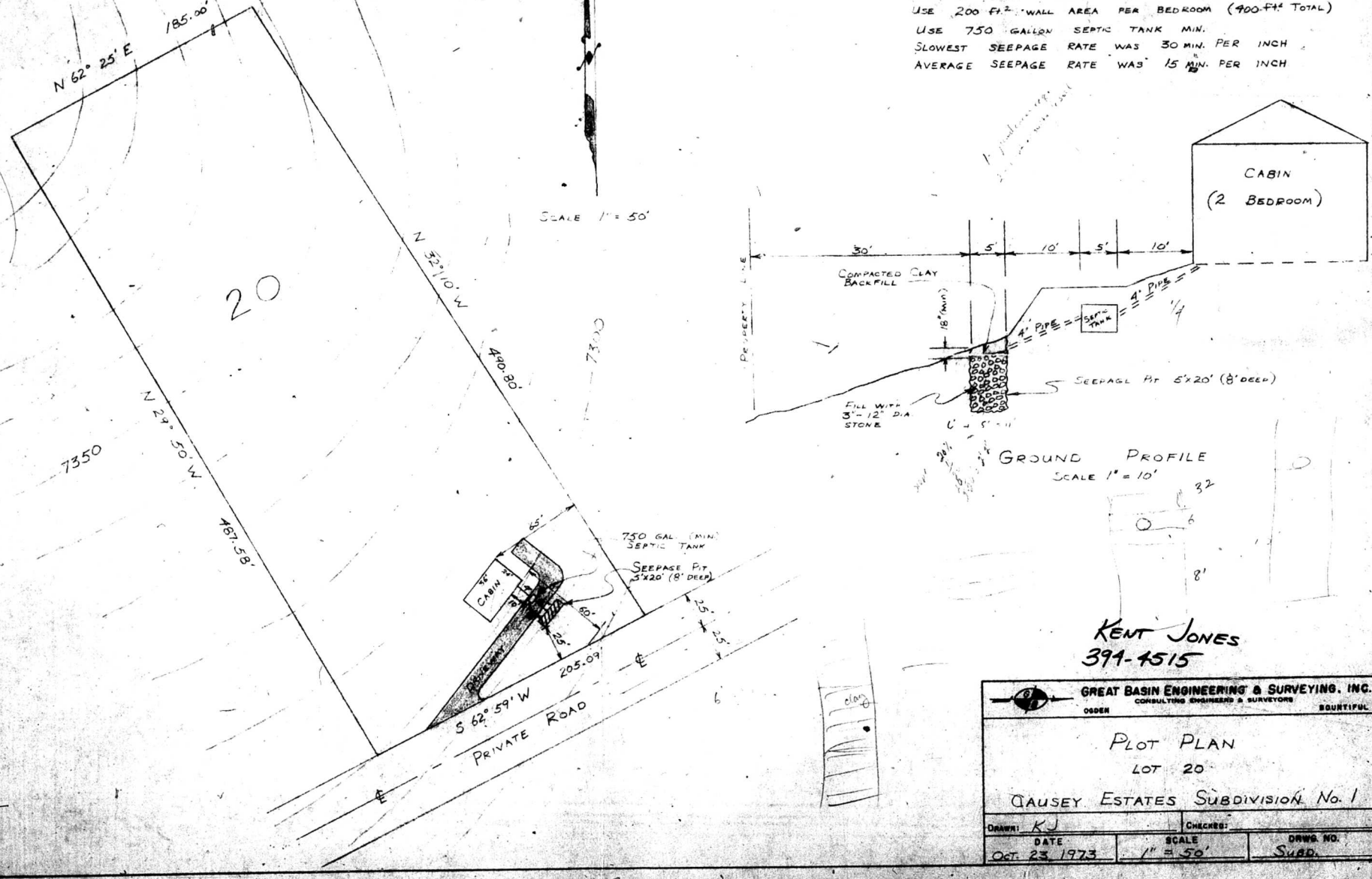
Causey Estates
Spring Protective Area

DRAWN: K.J.	CHECKED:	
DATE 10-2-75	SCALE 1" = 500'	DRWG. NO.

"TYPICAL DESIGN — PROBLEM LOT"

SEEPAGE PIT

SOIL IS SANDY CLAY AND GRAVEL
USE 200 Ft.² WALL AREA PER BEDROOM (400 Ft.² TOTAL)
USE 750 GALLON SEPTIC TANK MIN.
SLOWEST SEEPAGE RATE WAS 30 MIN. PER INCH
AVERAGE SEEPAGE RATE WAS 15 MIN. PER INCH



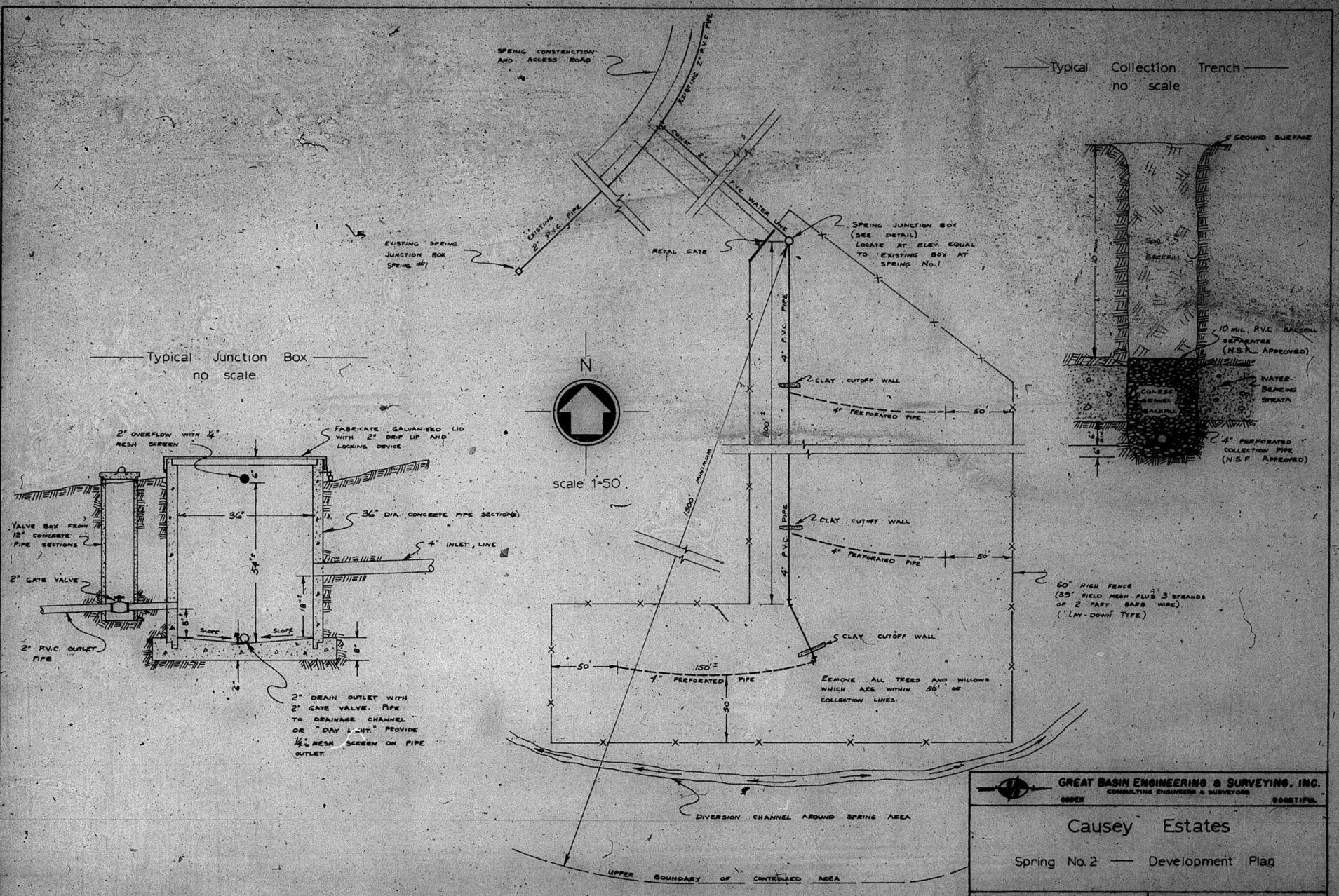
KENT JONES
391-4515

GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN — BOUNTIFUL

PLOT PLAN
LOT 20
QUAIL ESTATES SUBDIVISION No. 1

DRAWN: KJ	CHECKED:	
DATE: OCT. 23, 1973	SCALE: 1" = 50'	DRWG. NO.: SUBD.

DAMAGED POOR COPY

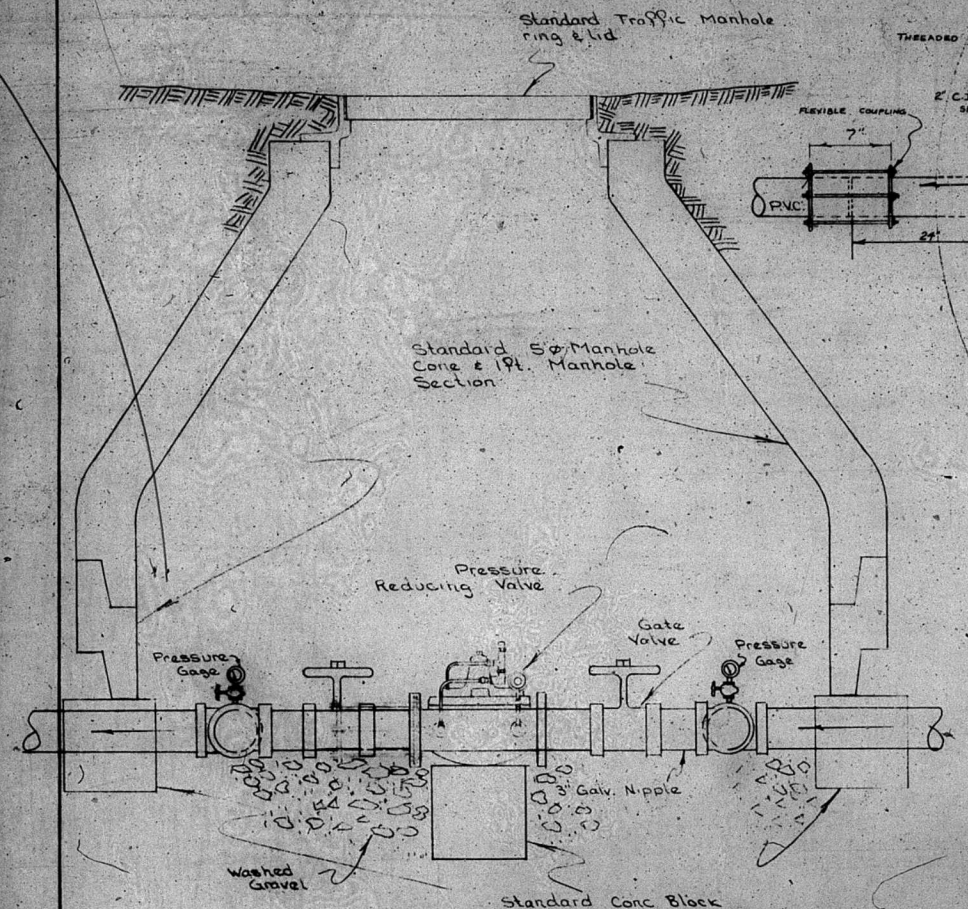


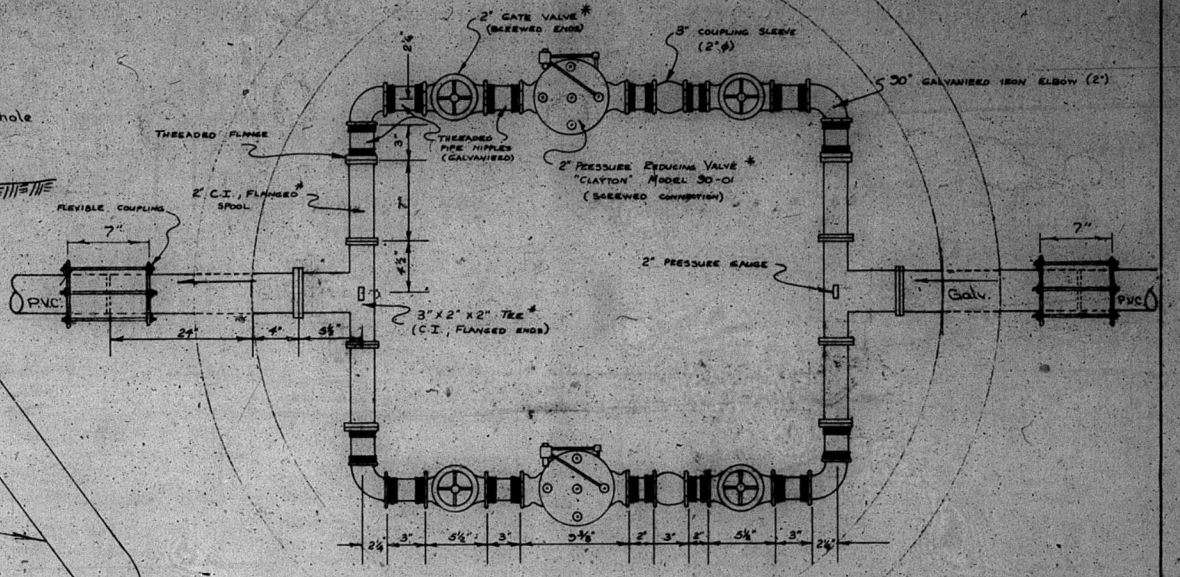
GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
ELKO, NEVADA — WINNEMUCCA, NEVADA

Causey Estates

Spring No. 2 — Development Plan

DRAWN: K.J.	CHECKED:	
DATE: march '75	SCALE: 1"=50'	DRWG. NO.





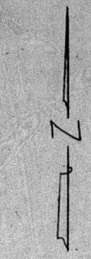
* NOTE: DESIGN SHOWN IS FOR STATION ON 3" MAIN
PIPING LAYOUT FOR STATION ON 2" MAIN
SHALL BE AS FOLLOWS:
TEE SIZE: 2"X1½"X1½" OR COMBINATION OF TEE AND REDUCERS
PARALLEL LINE SIZE: 1½" (PIPING, GATE VALVES AND REDUCING VALVE)

GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

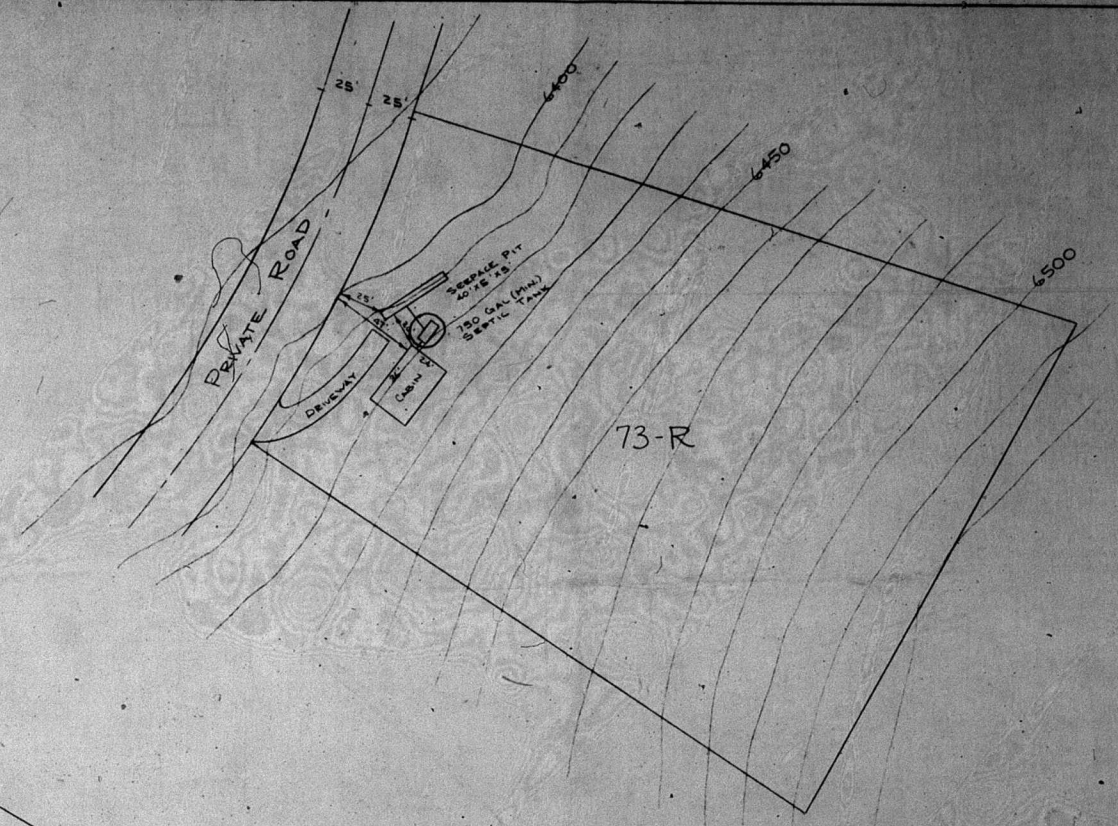
DETAIL for PRESSURE REDUCING STATION

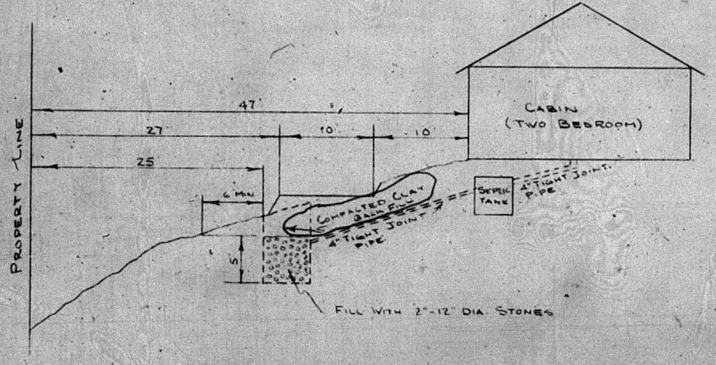
DRAWN:	CHECKED:	
DATE March 3 1995	SCALE	DRWG. NO.

TYPICAL DESIGN PROBLEM LOT



SEEPAGE PIT.
SOIL IS SANDY CLAY & GRAVEL. USE 200 SQ.FT. PER BEDROOM (400 SQ. FT. TOTAL)
USE 750 GAL. SEPTIC TANK (MIN).
SLOWEST SEEPAGE RATE IN AREA WAS 30 MIN/IN
AVERAGE SEEPAGE RATE IN AREA WAS 20.7 MIN/IN





GROUND PROFILE
SCALE 1"=10'

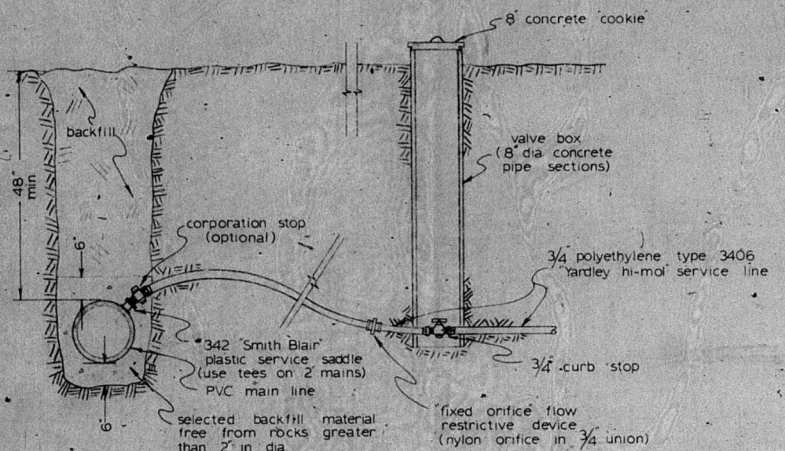
GREAT BASIN ENGINEERING & SURVEYING, INC.
OGDEN CONSULTING ENGINEERS & SURVEYORS BOUNTIFUL

PLOT PLAN
LOT 73-R
CAUSEY ESTATES SUB. NO. 2

DRAWN: GR	CHECKED:	
DATE 2-5-75	SCALE 1" = 50'	DRWG. NO.

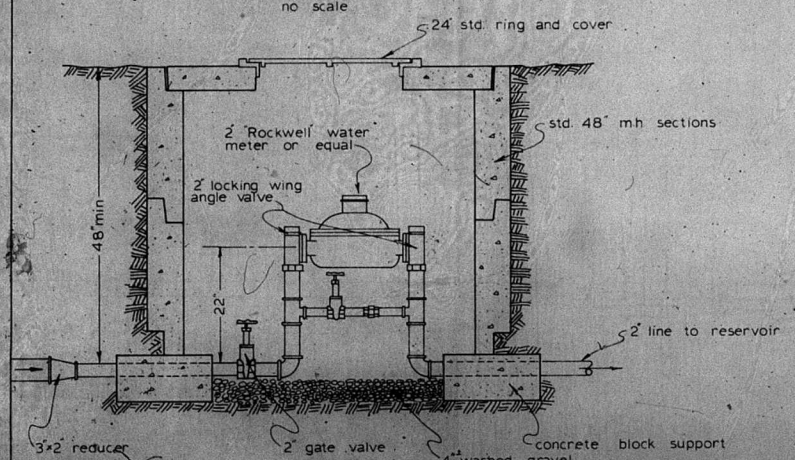
TYPICAL TRENCH AND SERVICE CONNECTION

no scale



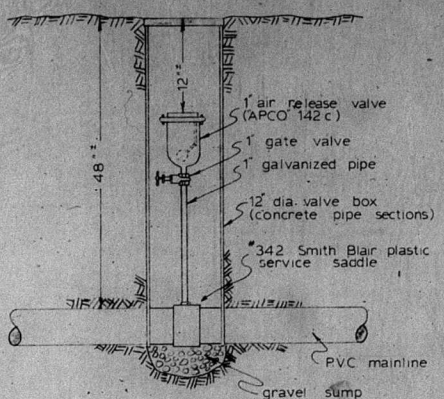
METER BOX DETAILS

no scale



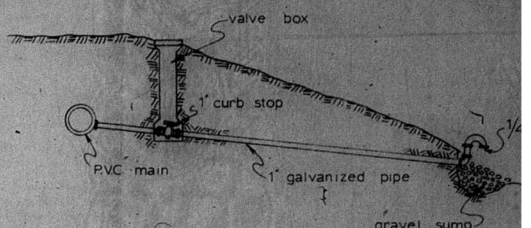
AIR VALVE DETAIL

no scale



TYPICAL DRAIN

no scale



APPROVED
UTAH STATE DIV. OF HEALTH
JUN 2 1976

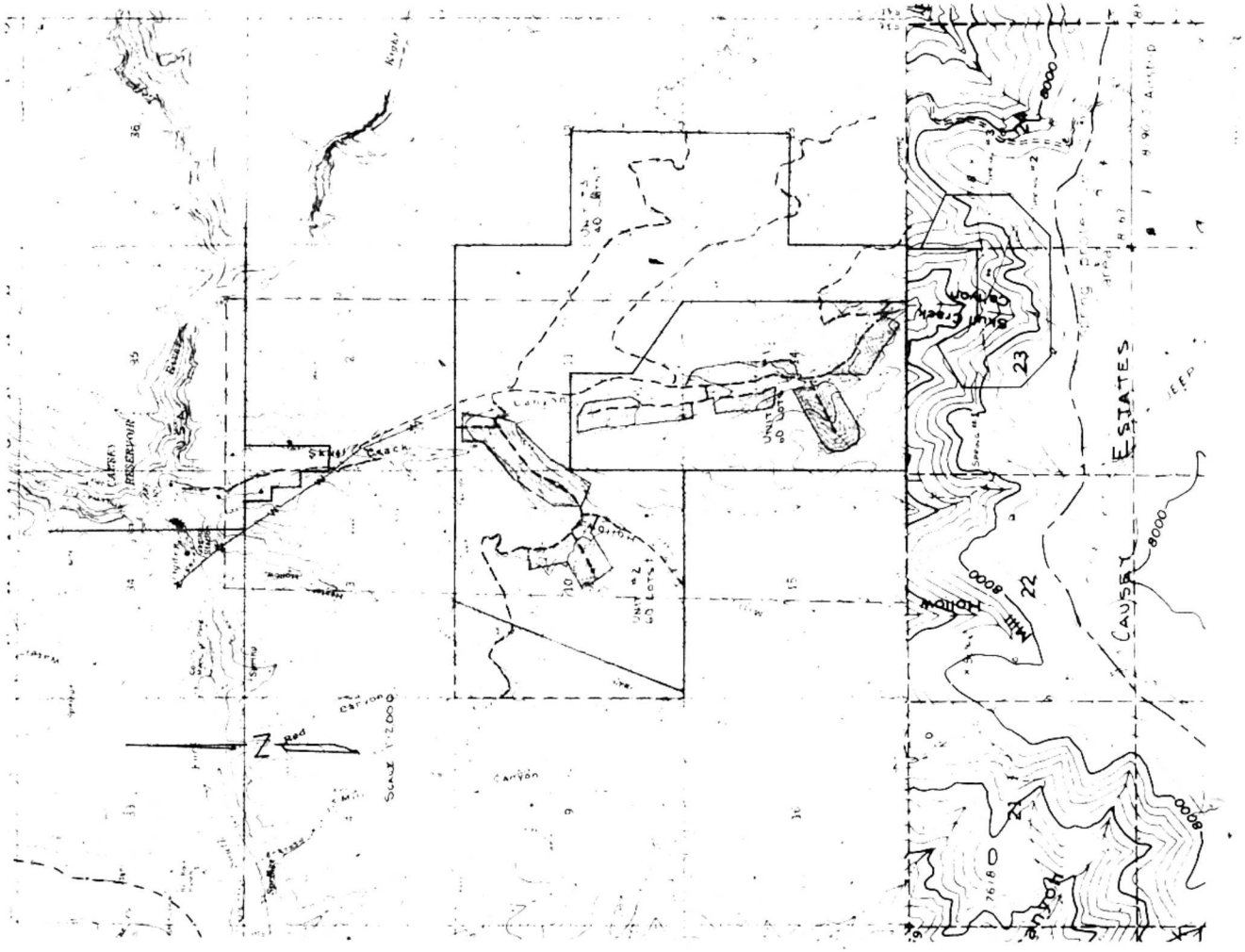
GREAT BASIN ENGINEERING & SUR
CONSULTING ENGINEERS & SURVEYORS
OGDEN

CAUSEY ESTATES

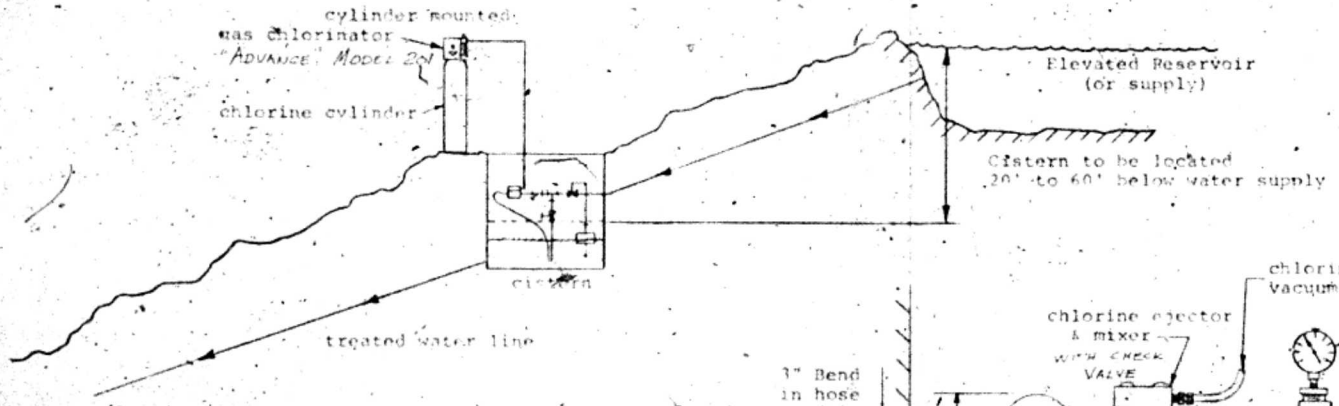
Water System Details

DRAWN: K.J. CHECKED:
DATE march '75 SCALE

Sheet 5 o



Causey Estates
Weber Co.



OPERATION:

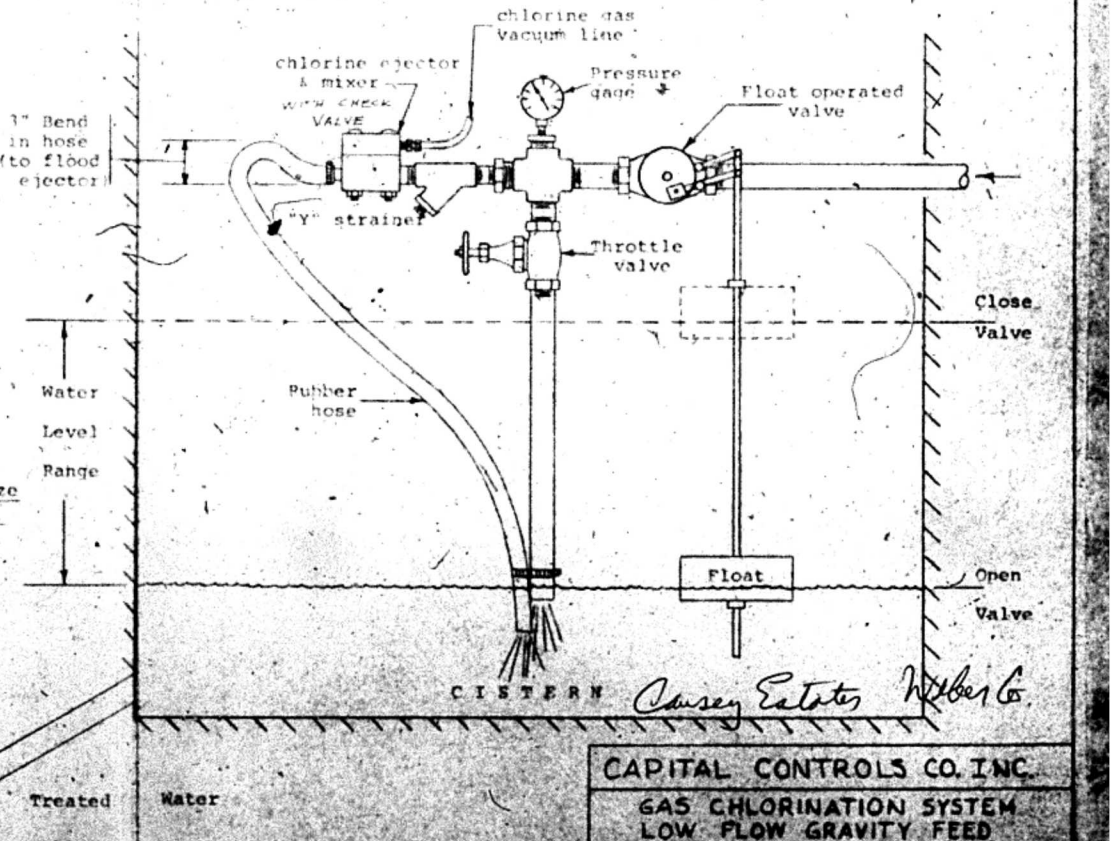
1) Float operated valve is of the quick opening type.
2) Throttle valve is initially set to maintain sufficient pressure to operate ejector (set for 5 psi minimum).
3) Chlorinator operation is automatic. When float operated valve opens, ejector operates and mixes chlorine gas with water at a preset rate. When float valve closes, chlorine flow stops.

NOTES:-

A) Chlorinator & chlorine cylinder may be mounted outside or may be enclosed for protection.
B) Temperature at chlorinator must be above (-20°F).
C) Cistern to be poured concrete or coated steel.

SIZING:

Max. water flow (GPM)	Minimum cistern Capacity (gal.)	Valve Size	Inlet Line Size
15	50	1"	1-1/2"
25	50	1-1/2"	1-1/2"
50	100	1-1/2"	2"
100	200	2"	3"



Casey Estates Weber Co.

CAPITAL CONTROLS CO. INC.

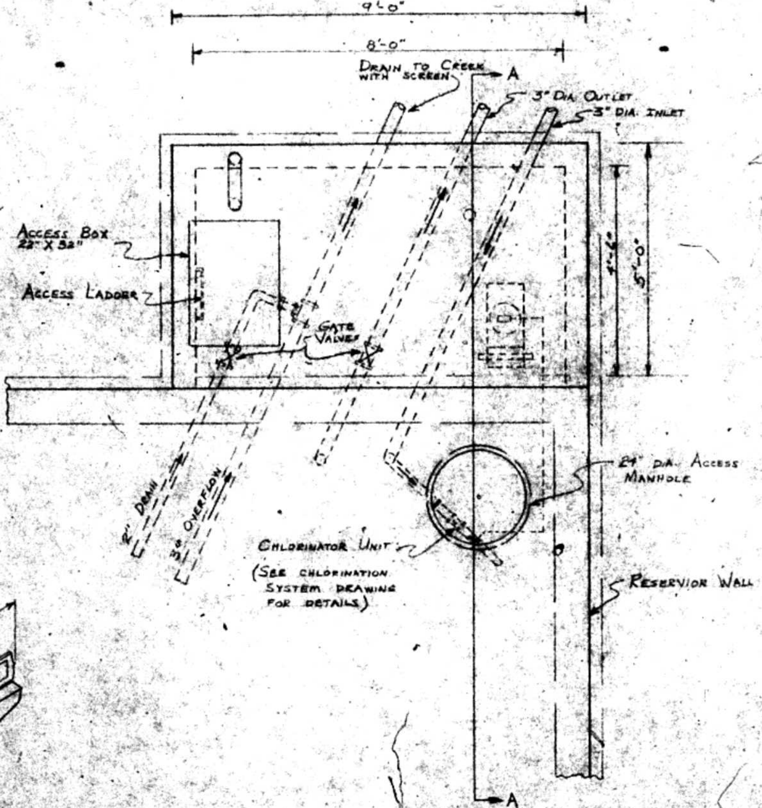
GAS CHLORINATION SYSTEM
LOW FLOW GRAVITY FEED

BY: JEK | DATE: 2 MAY 1967

DWG. NO. C-112-1

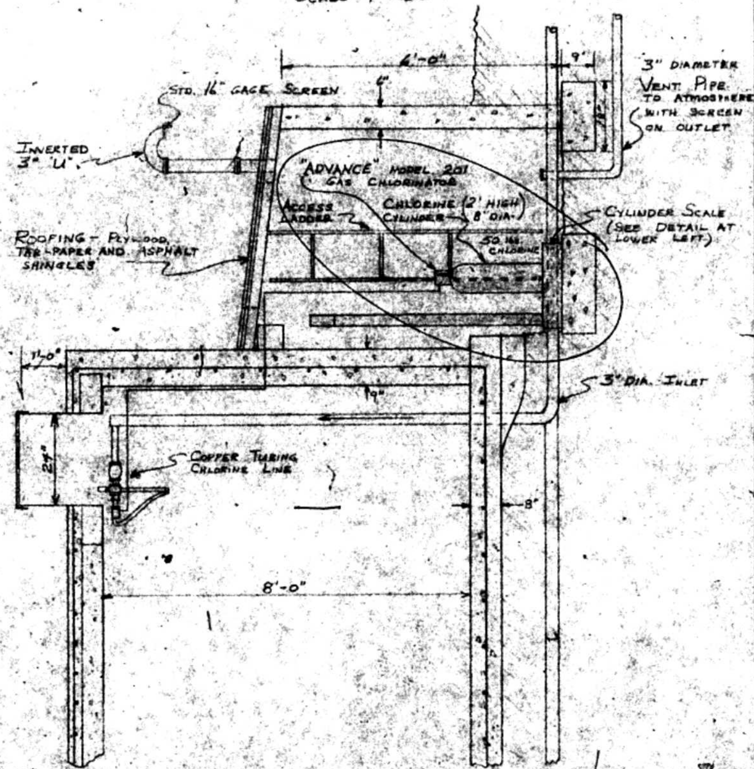
Reservior Valve Box Details

Plan

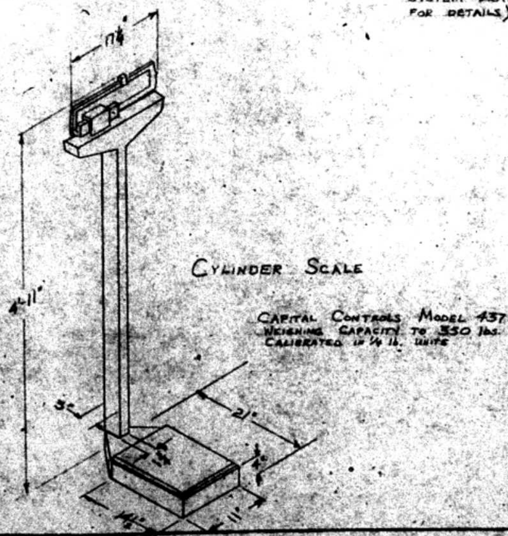


Section A-A

Scale 1" = 2.0'



Cylinder Scale



Capital Controls Model 437
Weighing capacity to 350 lbs.
Calibrated in ¼ lb. units

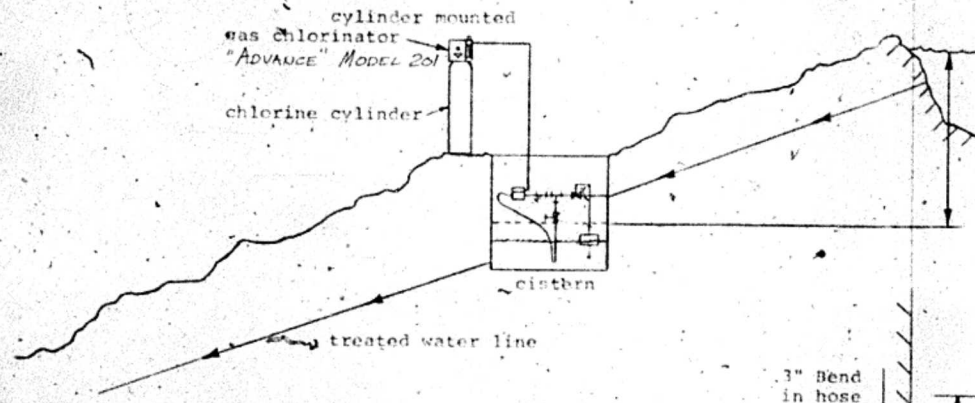
Note:

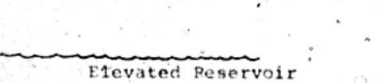
Residual Chlorine Testing Equip. to be portable units

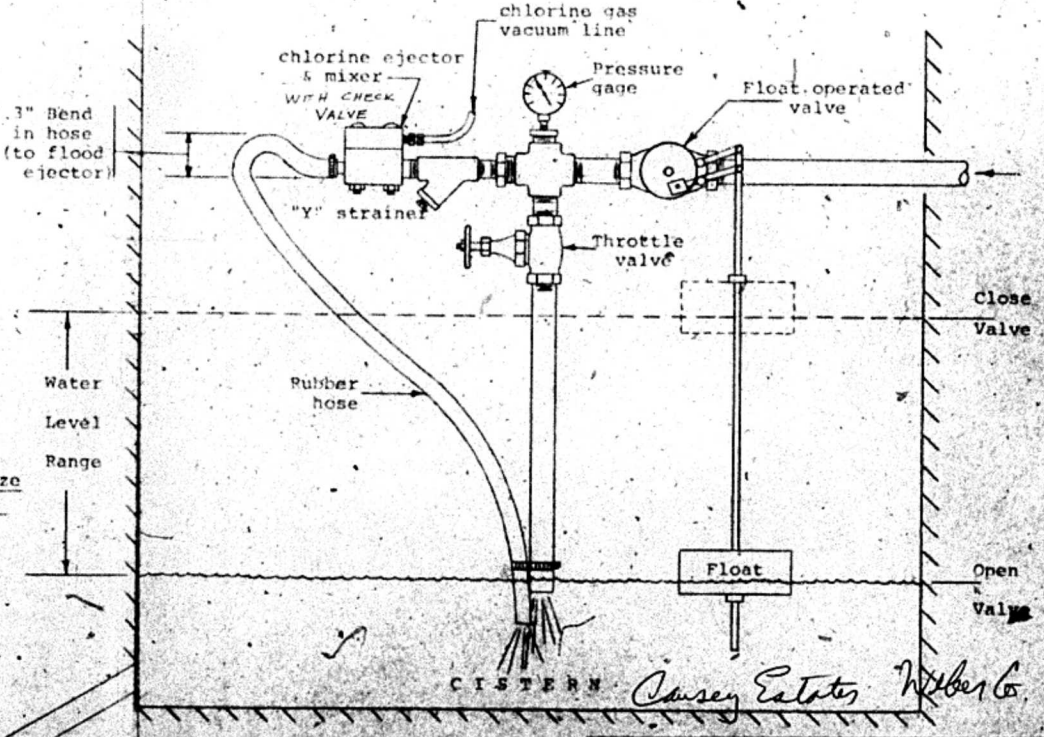
Gas Mask and other misc. Equipment to be furnished

RECEIVED
OCT 9 1977

Great Basin Engineering & Surveying, Inc. Consulting Engineers & Surveyors — Ogden — Bountiful		
Causey Estates No.1 —Weber Co. Reservior Valve Box Detail		
Drawn: KJ	Checked:	
Date 9/10/73	Scale 1" = 2.0'	Drwg. No.







OPERATION:-

1) Float operated valve is of the quick opening type.
2) Throttle valve is initially set to maintain sufficient pressure to operate ejector (set for 5 psi minimum).
3) Chlorinator operation is automatic. When float operated valve opens, ejector operates and mixes chlorine gas with water at a preset rate. When float valve closes, chlorine flow stops.

NOTES:-

A) Chlorinator & chlorine cylinder may be mounted outside or may be enclosed for protection.
B) Temperature at chlorinator must be above (-20°F).
C) Cistern to be poured concrete or coated steel.

SIZING:

Max. water flow (GPM)	Minimum cistern Capacity (gal.)	Valve Size	Inlet Line Size
15	50	1"	1-1/2"
25	50	1-1/2"	1-1/2"
50	100	1-1/2"	2"
100	200	2"	3"

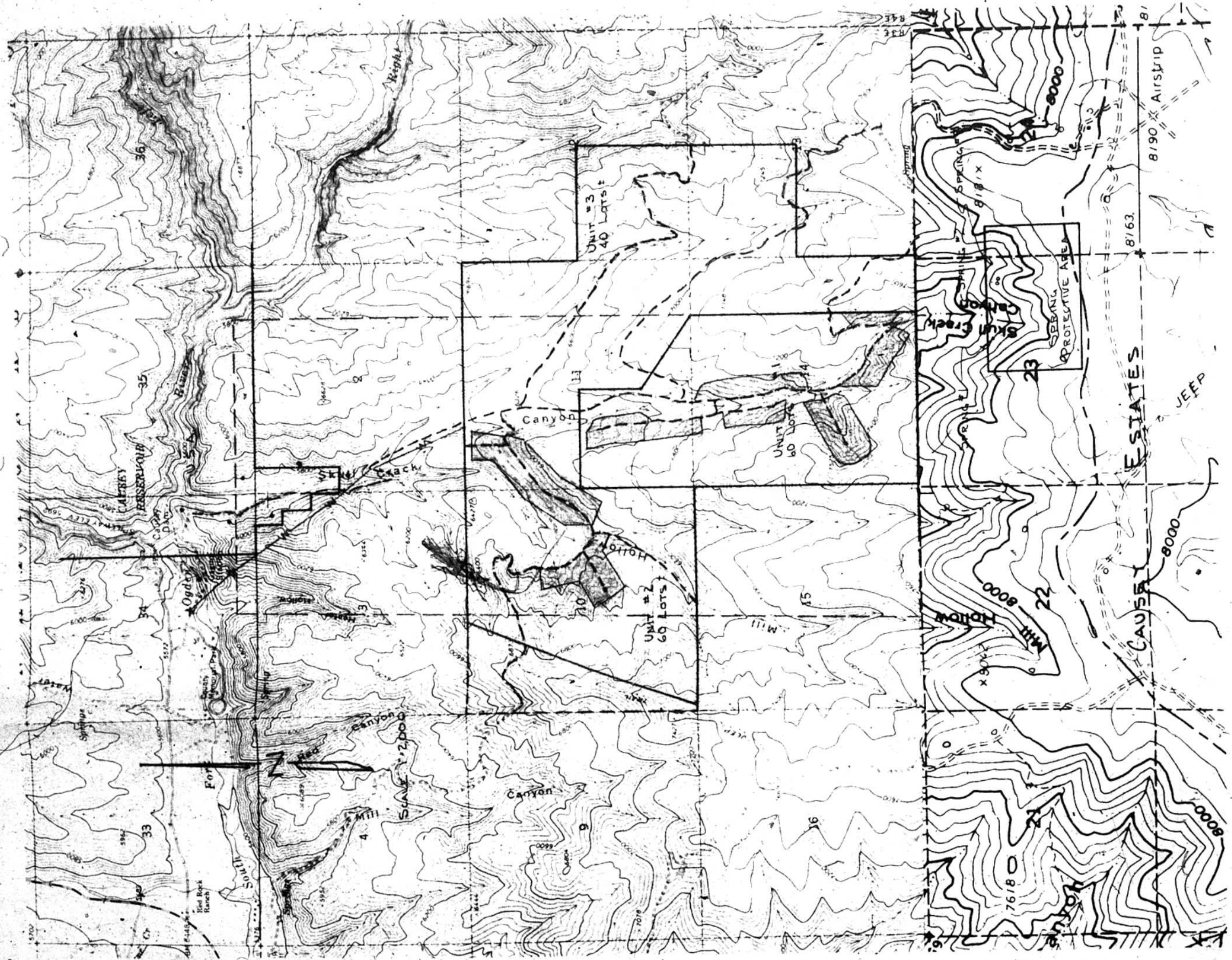
Causey Estates Weber Co.

CAPITAL CONTROLS CO. INC.

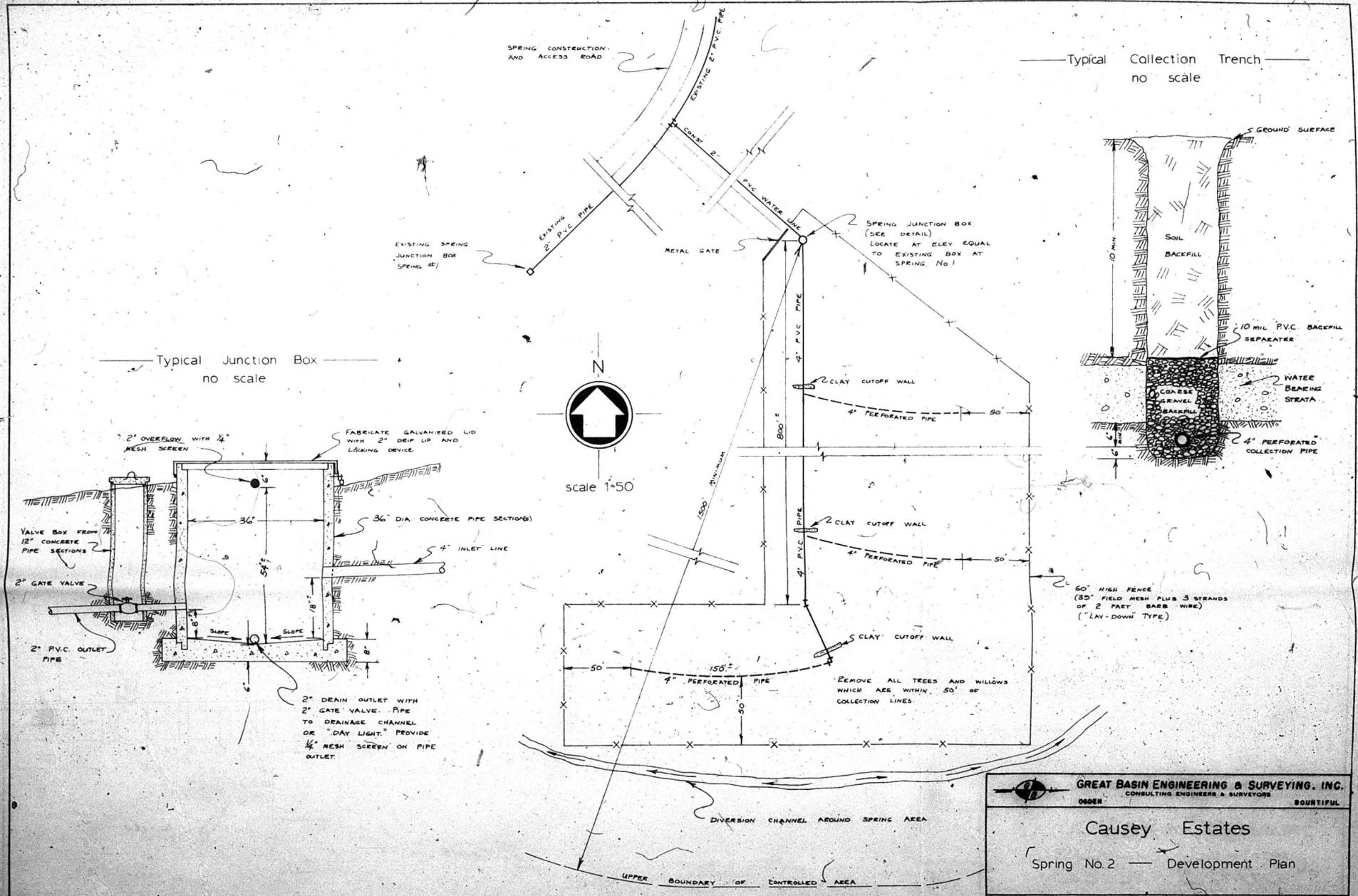
GAS CHLORINATION SYSTEM
LOW FLOW GRAVITY FEED

BY: JEK DATE: 2 MAY 1983

DWG. NO. C-112-1


Unit #3
40 Lots
Unit #2
60 Lots
Special Protective Area
Causey Estates
Airstrip
Jeep
Skull Creek
Canyon
Mill Hollow
Causey Reservoir

Sheet 1 of 7

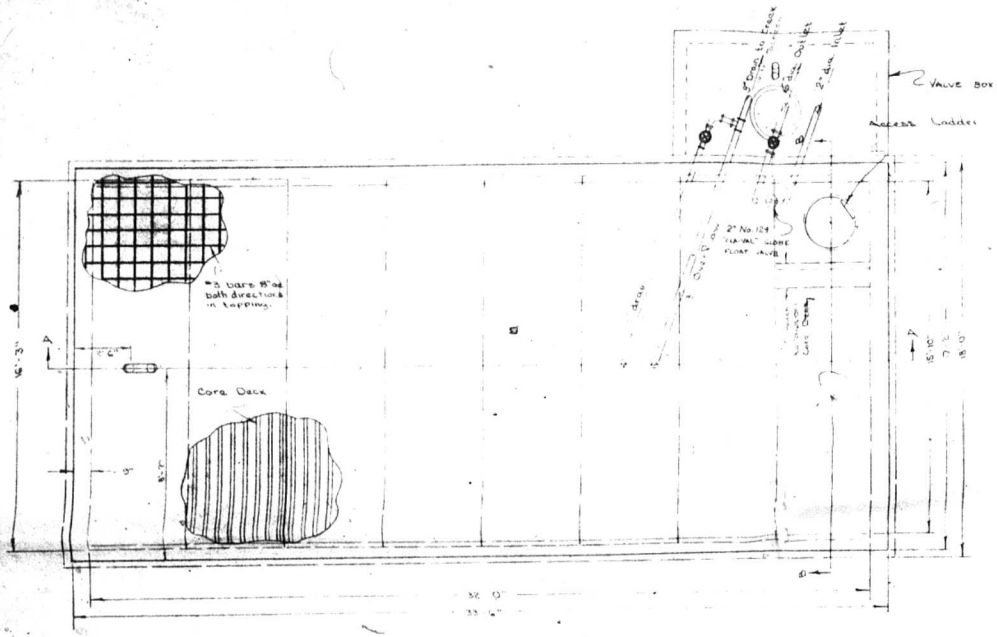


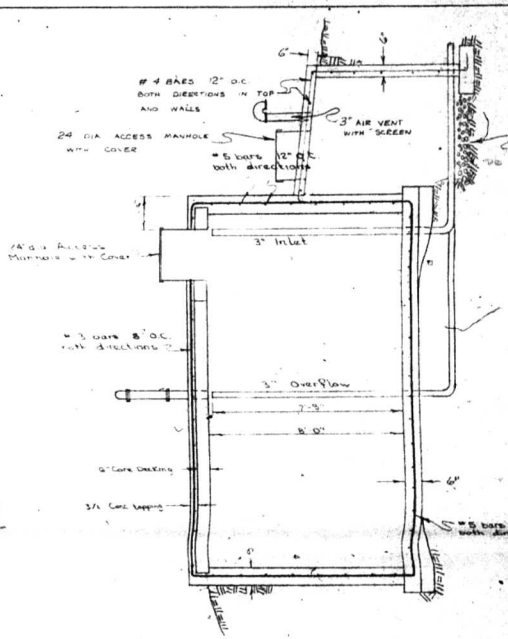
GREAT BASIN ENGINEERING & SURVEYING, INC.
CONSULTING ENGINEERS & SURVEYORS
OGDEN BOUNTIFUL

Causey Estates

Spring No. 2 — Development Plan

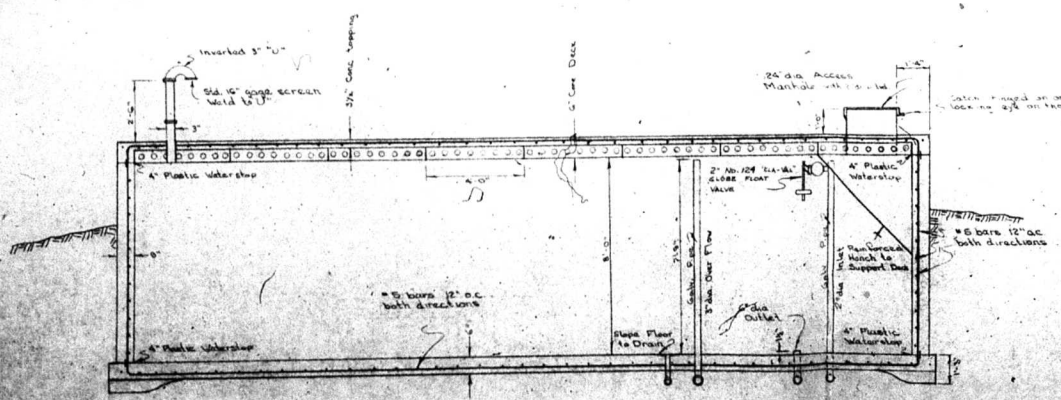
DRAWN: K.J	CHECKED:	
DATE: march '75	SCALE: 1"=50	DRWG. NO.





SECTION B B

Scale 3/8" = 1'-0"



SECTION A A

Scale 3/8" = 1'-0"

P.V.C. WATERSTOP DETAIL

No Scale

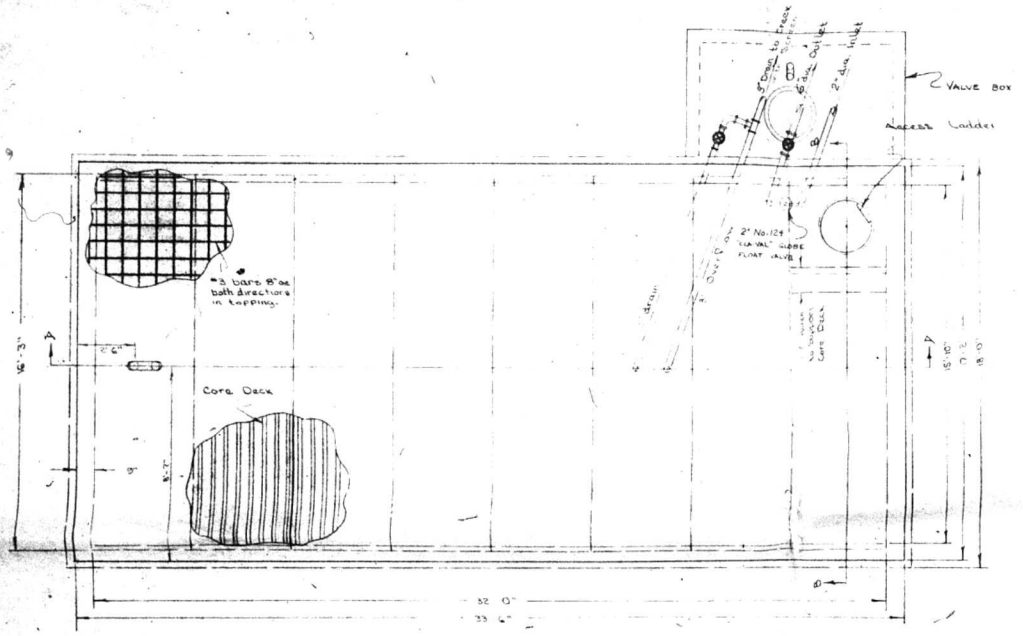
NOTES: 1) ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I.

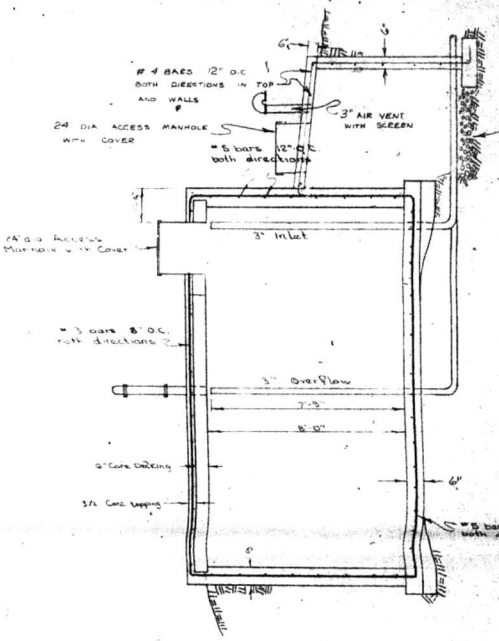
2) ESTIMATED CONCRETE VOL. = 43 C.Y. (NOT INCLUDING "CORE DECK" PANELS)

GREAT BASIN ENGINEERING & SURVEYING
CONSULTING ENGINEERS & SURVEYORS
OGDEN

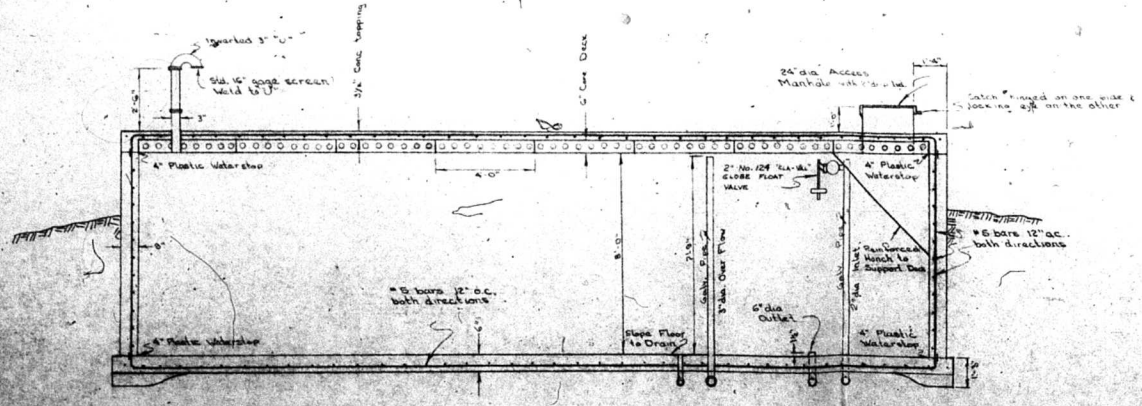
30,000 GALLON CONCRETE RESERVIOR FOR CAUSEY ESTATES SUB.

Sheet of 7

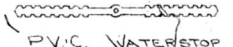




SECTION B B
Scale 3/8" = 1'-0"



SECTION A A
Scale 3/8" = 1'-0"



PVC. WATERSTOP DETAIL
No Scale

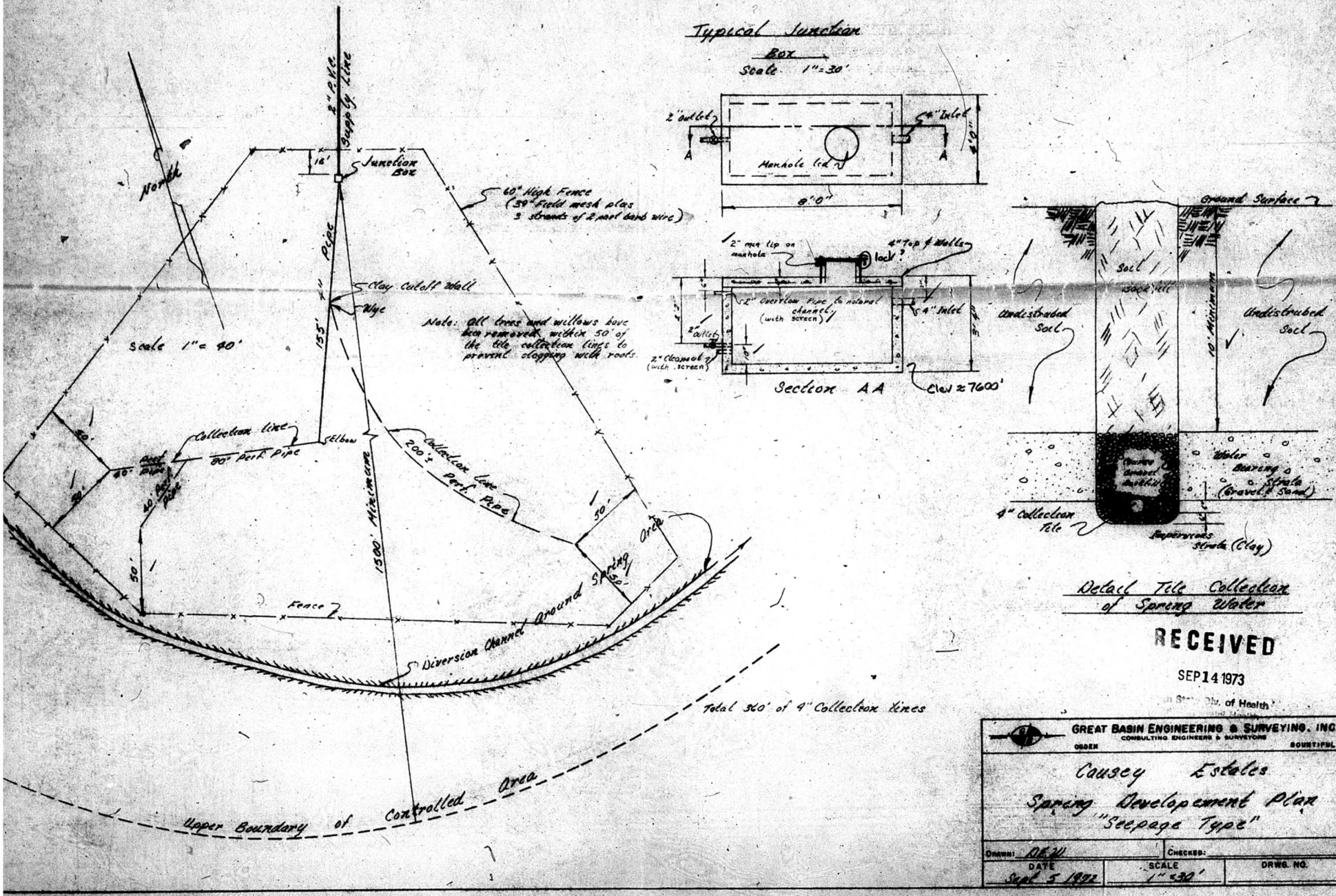
NOTES: 1) ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I.

2) ESTIMATED CONCRETE VOL. = 43 C.Y. (NOT INCLUDING CORE DECK PANELS)

GREAT BASIN ENGINEERING & SURVEYING
CONSULTING ENGINEERS & SURVEYORS
ELKO, NEVADA

30,000 GALLON CONCRETE RESERVOIR FOR CAUSEY ESTATES SUB.

Sheet [illegible] of 7



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SEP 14 1973

...ty. of Health

GREAT BASIN ENGINEERING & SURVEYING, INC.		
CONSULTING ENGINEERS & SURVEYORS		
OGDEN		BOUNTIFUL
Causey Estates		
Spring Development Plan "Seepage Type"		
DRAWN: DEW	CHECKED:	
DATE: Sept 5 1972	SCALE: 1"=30'	DRWG. NO.

DAMAGED POOR COPY