

State of Florida



# Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FLORIDA 32399-0850

**-M-E-M-O-R-A-N-D-U-M-**

---

**DATE:** May 29, 2025

**TO:** Adam J. Teitzman, Commission Clerk, Office of Commission Clerk

**FROM:** Segundo Sanchez, Engineering Specialist I, Division of Engineering *SS MR*

**RE:** Docket No. 20240126-WU - Application for grandfather certificate to operate water utility in Citrus County, by Cinnamon Ridge Utilities, Inc.

---

Please place the attached documents, provided by Cinnamon Ridge Utilities, Inc., in Docket No. 20240126-WU. These documents are in response to staff's September 13, 2024, deficiency letter.

SS:da

Attachment

CINNAMON RIDGE UTILITIES, INC.

6909 BEACH BLVD.

HUDSON, FL 34667

727-863-2524

RE: DOCKET NO. 20240126-WU- APPLICATION FOR GRANDFATHER CERTIFICATE –  
(WS-CINNAMON RIDGE UTILITIES, INC. Citrus County)

DEFICIENCIES #1: CLARIFY COMPANY NAME

Please accept this statement to correct the name on the Grandfather application  
referenced above.

The Utility's name should be:

**Cinnamon Ridge Utilities, Inc.**

**From:** [Segundo Sanchez](#)  
**To:** ["Cinnamon Ridge Utilities, Inc."](#)  
**Cc:** [Phillip Ellis](#); [Shaw Stiller](#)  
**Subject:** RE: DN 20240126-WU - Deficiency Corrections Extension  
**Date:** Wednesday, May 28, 2025 1:07:23 PM

---

Good afternoon,

Thank you for the phone call last Friday (5/23/25) to discuss the Utility's outstanding deficiencies for its pending grandfather docket (Docket No. 20240126). Please provide corrections to the remaining deficiencies by **June 27, 2025**. If by this date, you anticipate requiring more additional time, please let us know. Staff will continue to work with you to process your grandfather certificate application and appreciate your cooperation.

The Florida Rural Water Association is a resource that you may find helpful (<https://www.frwa.net/>).

If you have any further questions, please feel free to contact me ([SSanchez@psc.state.fl.us](mailto:SSanchez@psc.state.fl.us) or 850-413-6226) at your convenience.

Thanks,

Segundo Sanchez  
Engineering Specialist  
Division of Engineering  
(850) 413-6226

**From:** Segundo Sanchez  
**Sent:** Thursday, May 15, 2025 1:19 PM  
**To:** 'Cinnamon Ridge Utilities, Inc.' <cinnamonridgeutilities@gmail.com>  
**Cc:** Phillip Ellis <PELLIS@PSC.STATE.FL.US>; Shaw Stiller <SStiller@psc.state.fl.us>  
**Subject:** RE: DN 20240126-WU - Deficiency Corrections Extension

Good afternoon,

After review of the attached document, it does not seem to be sufficient to satisfy the remaining deficiencies detailed in the September 13, 2024 deficiency letter. Deficiency No. 1 was satisfied by the statement provided on November 12, 2024. The remaining deficiencies are as follows:

1. Documentation of the Utility's right to access and continued use of the land the Utility treatment facilities are located upon. This documentation should be provided in the form of a recorded warranty deed, a recorded quit claim deed accompanied by title insurance, a recorded lease such as a 99-year lease, or a recorded easement.
2. Legal description of the territory being served or was authorized to serve provided in either sections format or a metes and bounds format. Descriptions such as those on pages 2, 4, and 6 of the attached documents appear to be the correct format, but describe only a portion of the territory. A valid description of the entire service area still needs to be provided before any maps can be verified.

3. A system map that labels existing and proposed lines and treatment facilities. There are maps provided that may satisfy the requirements of the Rule, but nothing can be verified without a valid legal description.
4. A territory map that shows the township, range, and section with a scale such as 1"=200' or 1"=400' with the existing and proposed territory plotted. Maps have been provided that seem to show the entire territory, but without a valid legal description and a map of sufficient scale, nothing can be verified as accurate.

If you have any questions, please feel free to contact me ([SSanchez@psc.state.fl.us](mailto:SSanchez@psc.state.fl.us) or 850-413-6226) or Phillip Ellis ([PEllis@psc.state.fl.us](mailto:PEllis@psc.state.fl.us) or 850-413-6626) at your convenience.

Thanks,

Segundo Sanchez  
Engineering Specialist  
Division of Engineering  
(850) 413-6226

**From:** Cinnamon Ridge Utilities, Inc. <[cinnamonridgeutilities@gmail.com](mailto:cinnamonridgeutilities@gmail.com)>

**Sent:** Tuesday, April 29, 2025 12:16 PM

**To:** Phillip Ellis <[PEllis@PSC.STATE.FL.US](mailto:PEllis@PSC.STATE.FL.US)>

**Cc:** Segundo Sanchez <[SSanchez@psc.state.fl.us](mailto:SSanchez@psc.state.fl.us)>; Shaw Stiller <[SStiller@psc.state.fl.us](mailto:SStiller@psc.state.fl.us)>

**Subject:** Re: DN 20240126-WU - Deficiency Corrections Extension

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Good afternoon,

I have attached some plans that we were able to find that were not water damaged.

I had a Blueprint company scan them to my email.

I can send the large copies if you would like?

Please let me know what else you need, so that we can get our Grandfather Certificate.

Thank you all again for your help.

With regards.

*Jennifer Smith*  
*Cinnamon Ridge Utilities, Inc.*  
*6909 Beach Blvd.*  
*Hudson, FL 34667*  
*727/863-2560*



On Fri, Mar 7, 2025 at 9:32 AM Cinnamon Ridge Utilities, Inc.

<[cinnamonridgeutilities@gmail.com](mailto:cinnamonridgeutilities@gmail.com)> wrote:

Good Morning!

Thank you so much for all your help. I will forward everything to Mrs. Paula Paxton.

*Jennifer Smith*  
*Cinnamon Ridge Utilities, Inc.*  
*6909 Beach Blvd.*  
*Hudson, FL 34667*  
*727/863-2560*

On Thu, Mar 6, 2025 at 7:43 AM Phillip Ellis <[PELLis@psc.state.fl.us](mailto:PELLis@psc.state.fl.us)> wrote:

Good Morning,

Staff was able to do some digging in our archives to see if there was anything in the Commission's records associated with Cinnamon Ridge during its prior time under the Commission's jurisdiction and was able to find the attached documents. It would seem the original certificated area (See Cinn Ridge Cert and App.pdf, which has portions of the legal description and a map) does not resemble the Utility's current service territory (following much more closely to the shape of the subdivision). However, the amendment in Order 14624 (Order 14624.pdf, and related notice in Cinn Ridge Ext.pdf) may be more relevant and useful for you, and seems to cover the southwestern portion of the current service territory per the initial map provided in your application. While I know this doesn't resolve the deficiency, I hope it is helpful to you. Please feel free to contact us if you have any questions.

**From:** Segundo Sanchez <[SSanchez@psc.state.fl.us](mailto:SSanchez@psc.state.fl.us)>

**Sent:** Wednesday, March 5, 2025 3:14 PM

**To:** 'Cinnamon Ridge Utilities, Inc.' <[cinnamonridgeutilities@gmail.com](mailto:cinnamonridgeutilities@gmail.com)>

**Cc:** Phillip Ellis <[PELLis@PSC.STATE.FL.US](mailto:PELLis@PSC.STATE.FL.US)>; Shaw Stiller <[SStiller@psc.state.fl.us](mailto:SStiller@psc.state.fl.us)>

**Subject:** DN 20240126-WU - Deficiency Corrections Extension

Good afternoon,

As per our recent phone conversation, there should be no issue with the desired extension and your request for additional time is approved. We hope to have your corrections for the remaining deficiencies submitted by **Friday, May 2, 2025** instead. If by this date, you anticipate requiring additional time to file the necessary corrections, please let us know. As always, staff will continue to work with you to process your grandfather certificate application.

If you have any questions, please feel free to contact me ([SSanchez@psc.state.fl.us](mailto:SSanchez@psc.state.fl.us) or 850-413-6226) or Phillip Ellis ([PELLis@psc.state.fl.us](mailto:PELLis@psc.state.fl.us) or 850-413-6626) at your convenience.

Thanks,

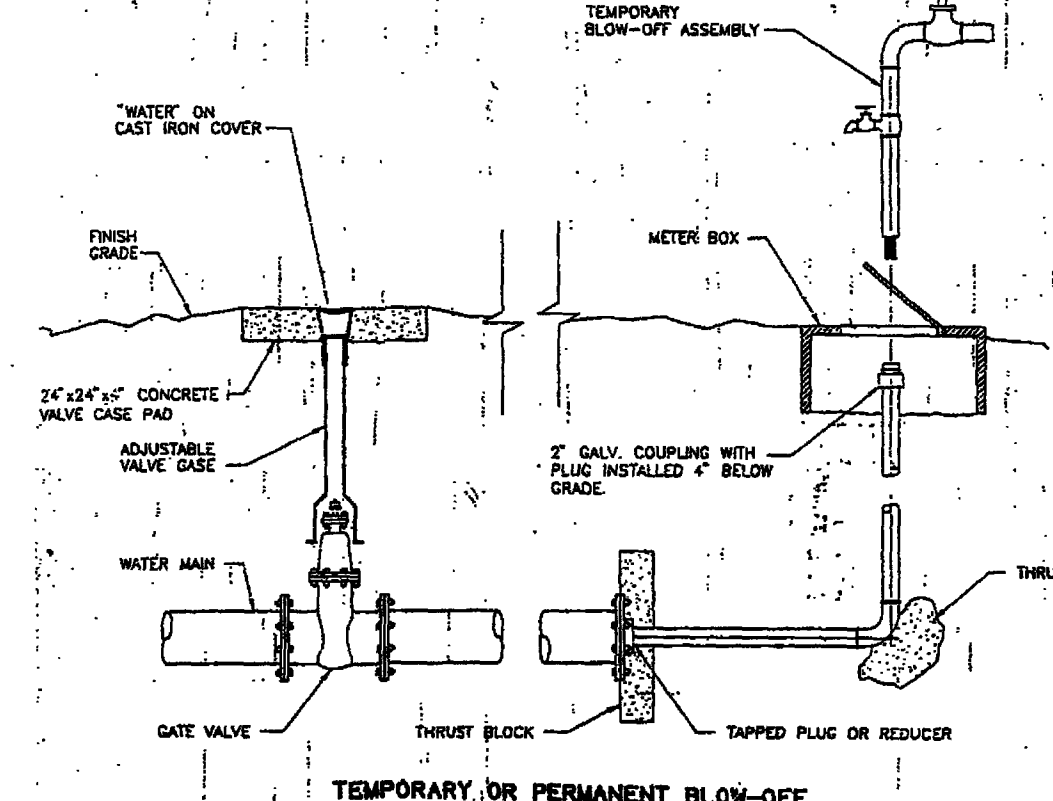
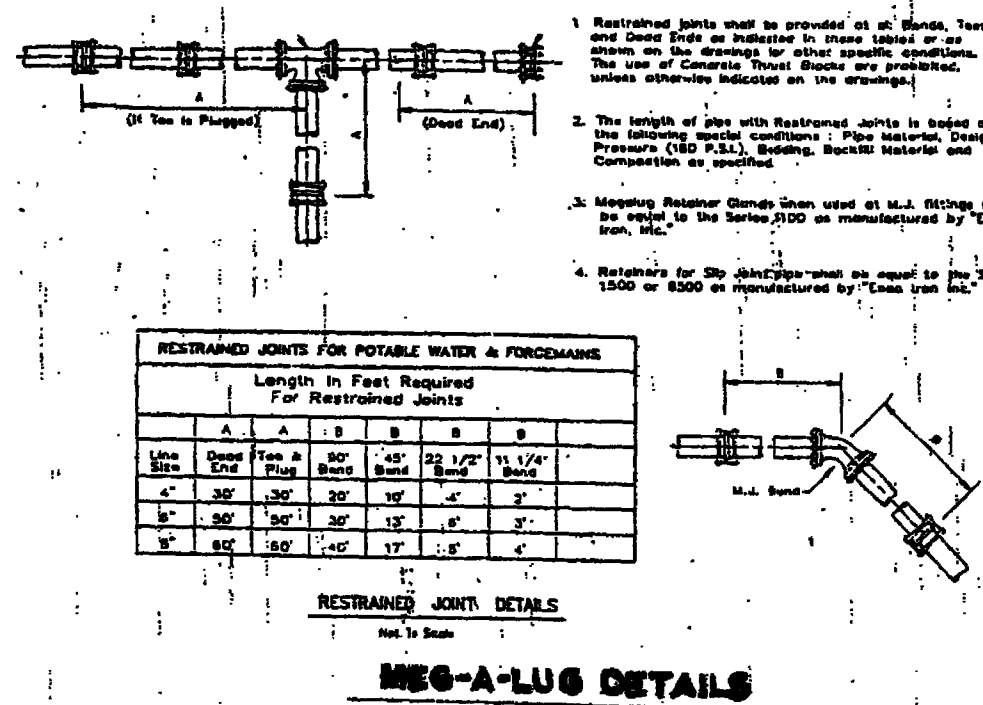
Segundo Sanchez  
Engineering Specialist  
Division of Engineering  
(850) 413-6226

# GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE SPECIFICATIONS AND QUALITY CONTROL OF THE PUBLIC WORKS MANUAL OF FLORIDA, 1997 EDITION.
2. ALL ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM.
3. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AS SHOWN AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF THE UTILITIES PRIOR TO CONSTRUCTION IN THEIR VICINITY.
4. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
5. ALL UNDERGROUND UTILITIES MUST BE INSTALLED BEFORE BASE AND SURFACE ARE CONSTRUCTED.
6. SPECIAL CARE IS TO BE TAKEN SO TREES REMAIN UNHARMED DURING CONSTRUCTION.
7. ALL MAINS LENGTHS ARE PLUS OR MINUS.
8. WATER MAINS TO BE 2.5' (MIN) BELOW PROPOSED GRADE.
9. WATER MAINS TO BE 17.0' FROM CENTERLINE OF PROPOSED ROADS.
10. A 10' SEPARATION BETWEEN STORM SEWER AND PIPES IS TYPICAL.
11. 10' OF D.I.P. FROM THE CL OF STORM SEWER INLETS AND PIPES IS TYPICAL.
12. CONFLICTS BETWEEN WATER AND STORM SYSTEMS ARE TO BE RESOLVED BY ADJUSTING WATER LINES AS NECESSARY.
13. ALL WATER MAINS ARE PVC CONFORMING TO AWWA C-900, DR18.
14. ALL WATER MAINS SHALL BE PRESSURE TESTED AT 150 PSI FOR 2 HOURS IN ACCORDANCE WITH THE STANDARDS OF THE PUBLIC WORKS MANUAL OF FLORIDA, 1997 EDITION. CONTRACTOR SHALL OBTAIN TWO DAYS OF SATISFACTORY BACTERIOLOGICAL TESTS FOLLOWING COMPLETION OF CONSTRUCTION FOR SUBMITTAL TO THE ENGINEER.
15. HORIZONTAL SEPARATION OF STORM SEWER/SAN/SEWER LINES AND WATER LINES TO BE A MINIMUM OF 10'.
16. VERTICAL SEPARATION OF STORM SEWER/SAN/SEWER LINES AND WATER LINES TO BE A MINIMUM OF 18".
17. TEMPORARY WATER LINE BLOWOFFS SHALL BE SPACED A MINIMUM OFF 1500' APART.

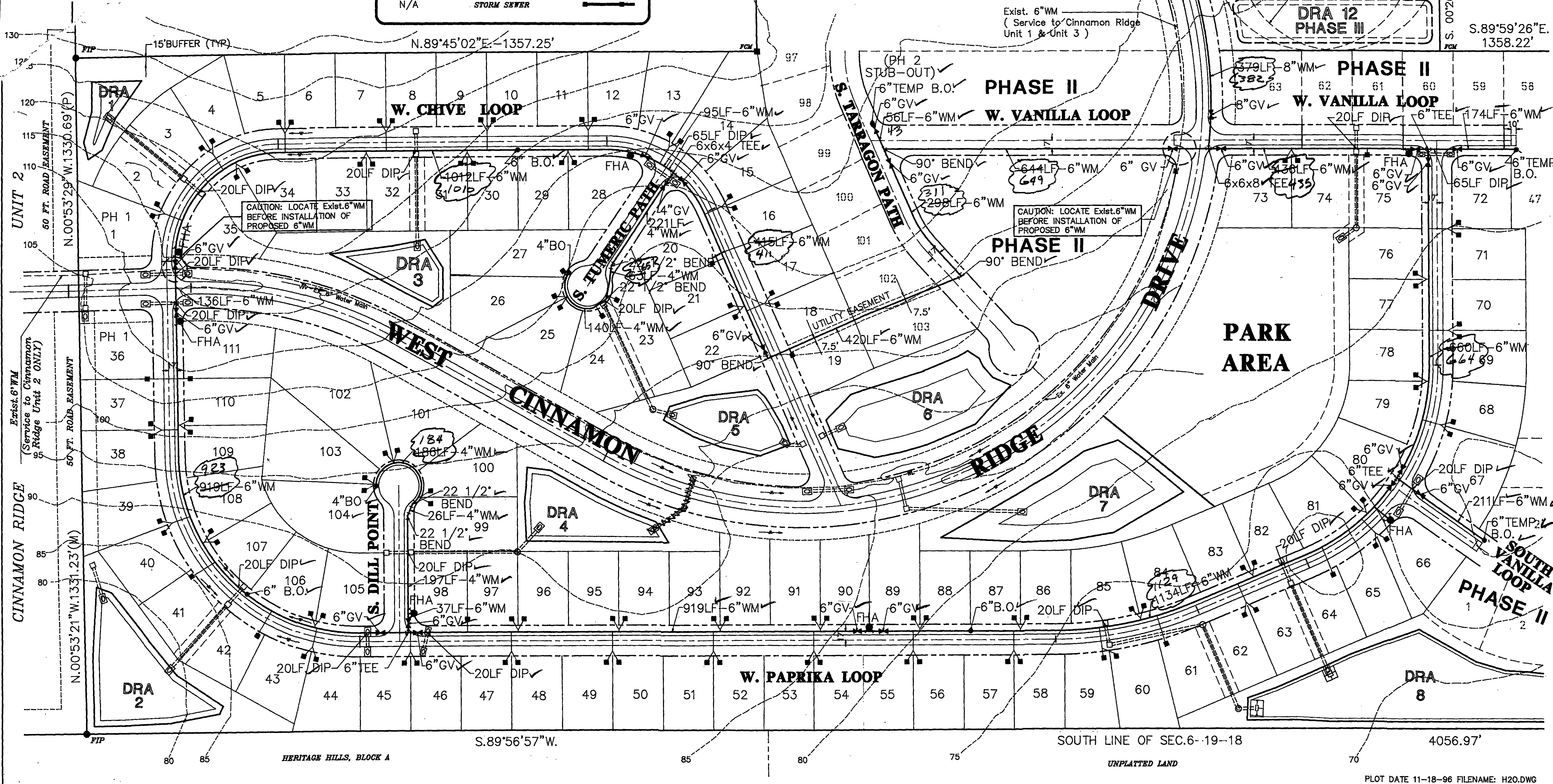
## LEGEND

Existing	CONTOUR	PROPOSED
N/A	6" WATER MAIN	N/A
N/A	BLOW-OFF ASSEMBLY	6" BO
N/A	FIRE HYDRANT ASSEMBLY	FHA
N/A	GATE VALVE W/BOX	6" GV
N/A	DUCTILE IRON PIPE	20LF DIP
N/A	SINGLE SERVICE CONNECTION	
N/A	DOUBLE SERVICE CONNECTION	
N/A	STORM SEWER	



## PIPE:

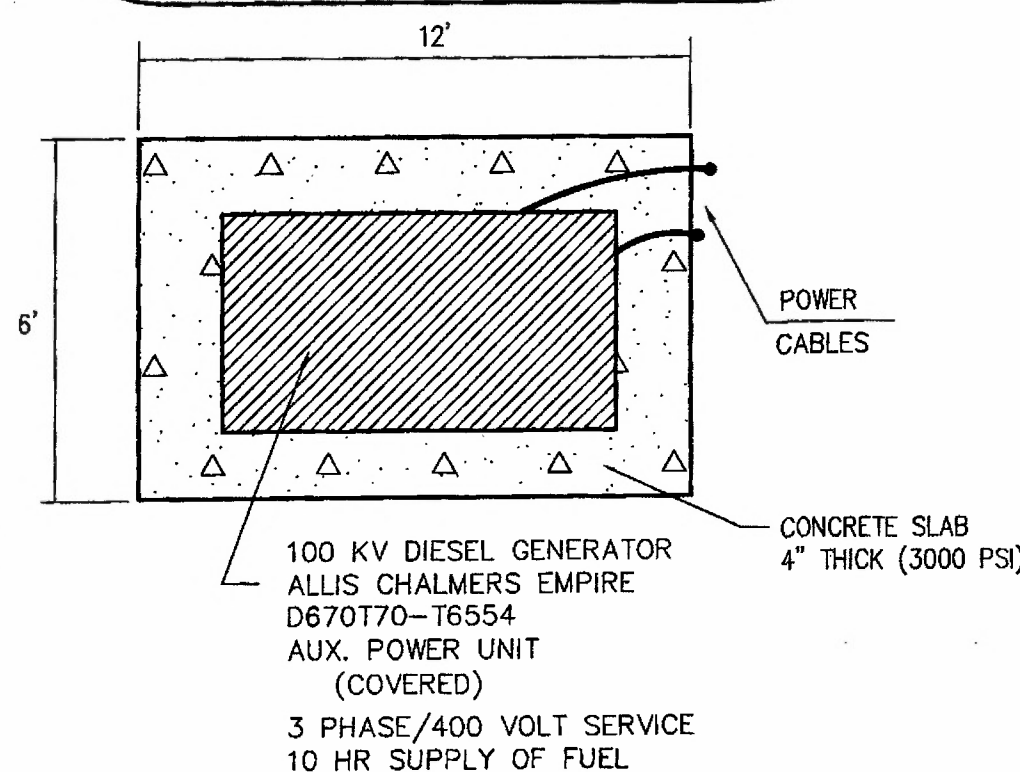
- General: Uni-bell gasket joint PVC or mortar lined ductile iron pipe is required for sizes three inches and larger. Pipe smaller than two inches shall be glue joint PVC. Gray iron, galvanized or asbestos cement pipe is not approved. Pipe shall meet the following requirements:
1. Gasket Joint PVC shall be uni-bell, AWWA C900 DR 18, colored light blue or white and labeled for use as potable water pipe.
  2. Solvent Weld PVC shall be Schedule 40, ASTM D-2241, ASTM D-2672, ASTM D-1784 and NSF #14.
  3. Gasket Joint Ductile Iron shall be cement lined as per ANSI/AWWA-C104/A21.4 and conform to ANSI/AWWA-C151/A21.50, ANSI/AWWA-C151/A21.51 and ANSI/AWWA-C111/A21.11.



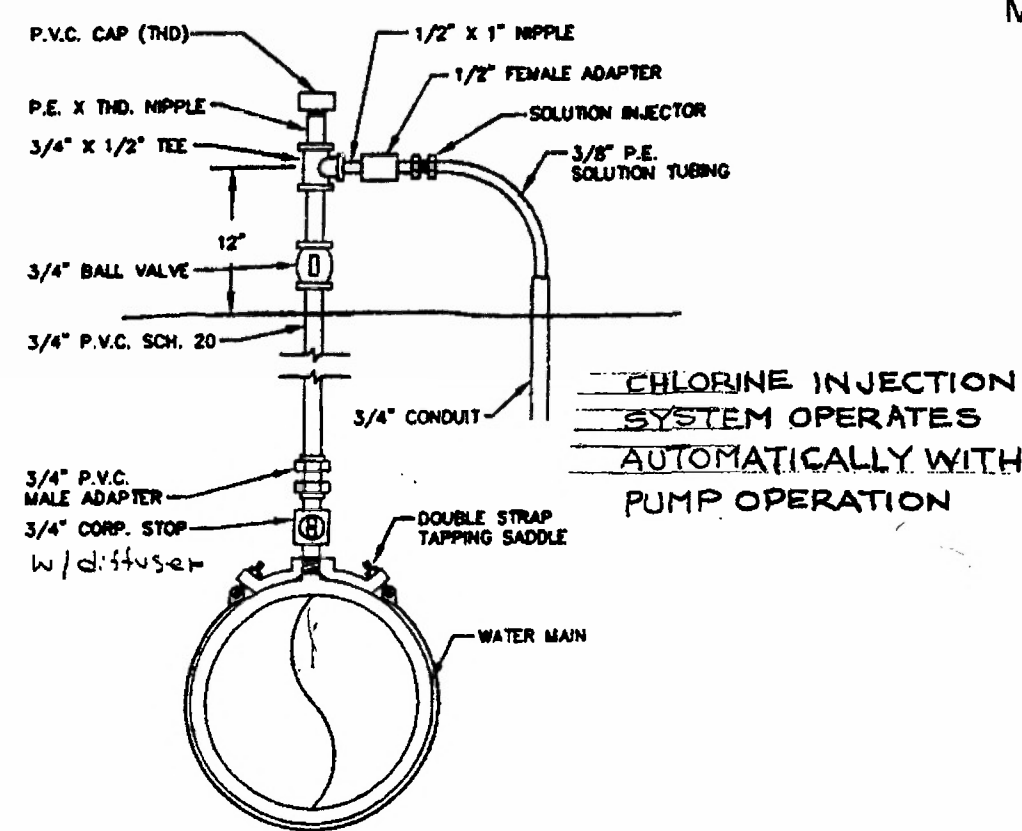


# WATER PLANT LEGAL DESCRIPTION

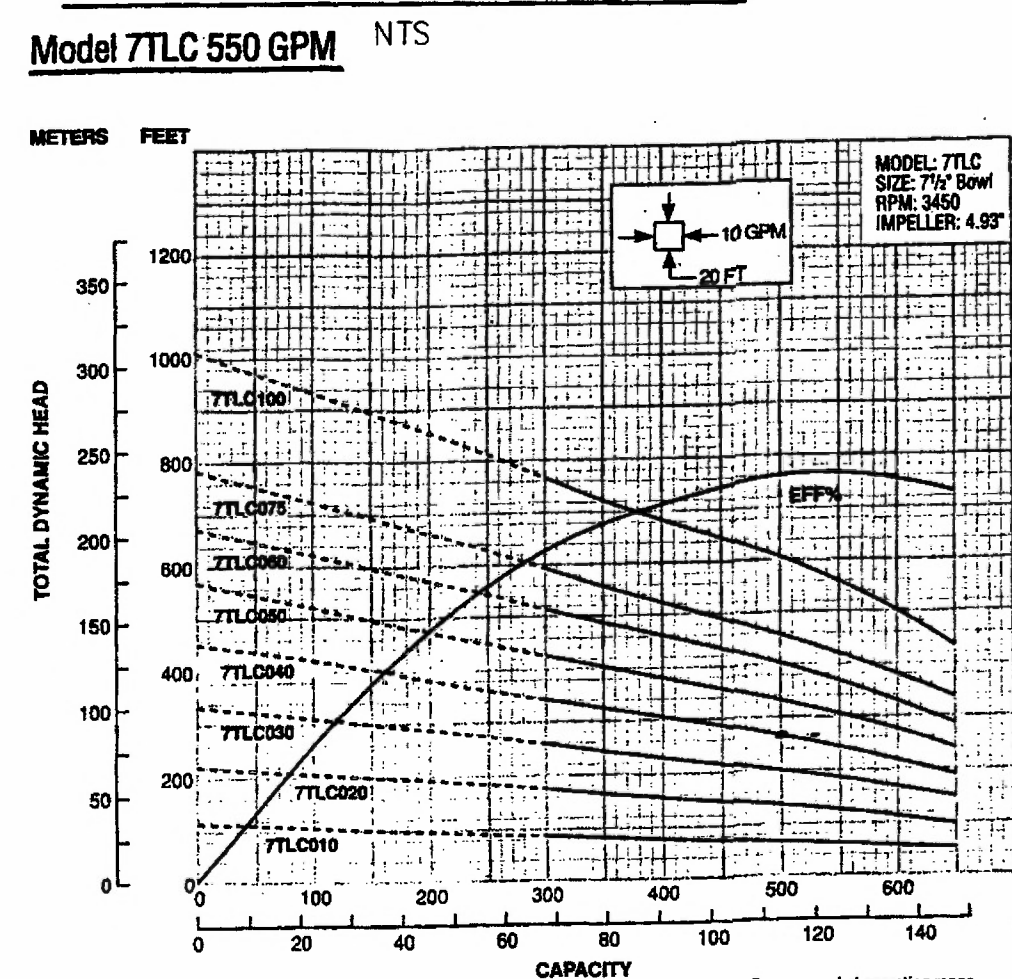
Beginning at the southeast corner of Section 6, Township 19S, Range 18E, Citrus County, Florida, thence running north, N00° 11' 11" W, a distance of 1334.94', thence S88° 59' 26" E a distance of 1358.22', thence N00° 26' 17" W a distance of 153.47' to a Point of Beginning. Thence running N89° 33' 43" E, a distance of 453.45' to a curve having a radius of 840', a chord bearing of N20° 48' 31" W and an arc length of 107.05', thence running S89° 33' 43" W, a distance of 490.69', thence running S00° 26' 17" E a distance of 100.29', to the Point of Beginning, containing 1.084 acres MOL.



GENERATOR SLAB DETAIL  
NTS



CHLORINE INJECTION DETAIL  
NTS

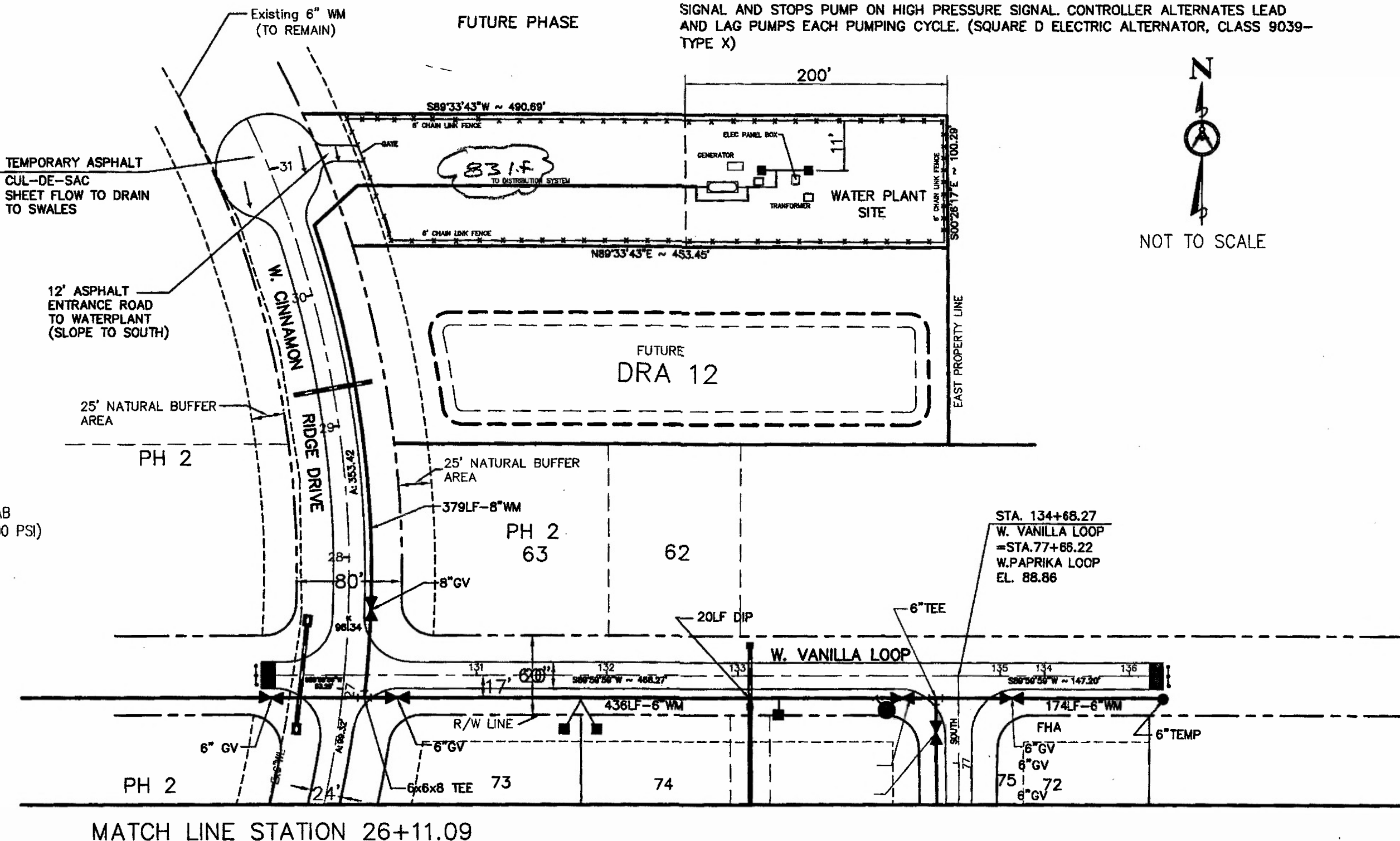


GOOLDS PUMP CAPACITY  
NTS

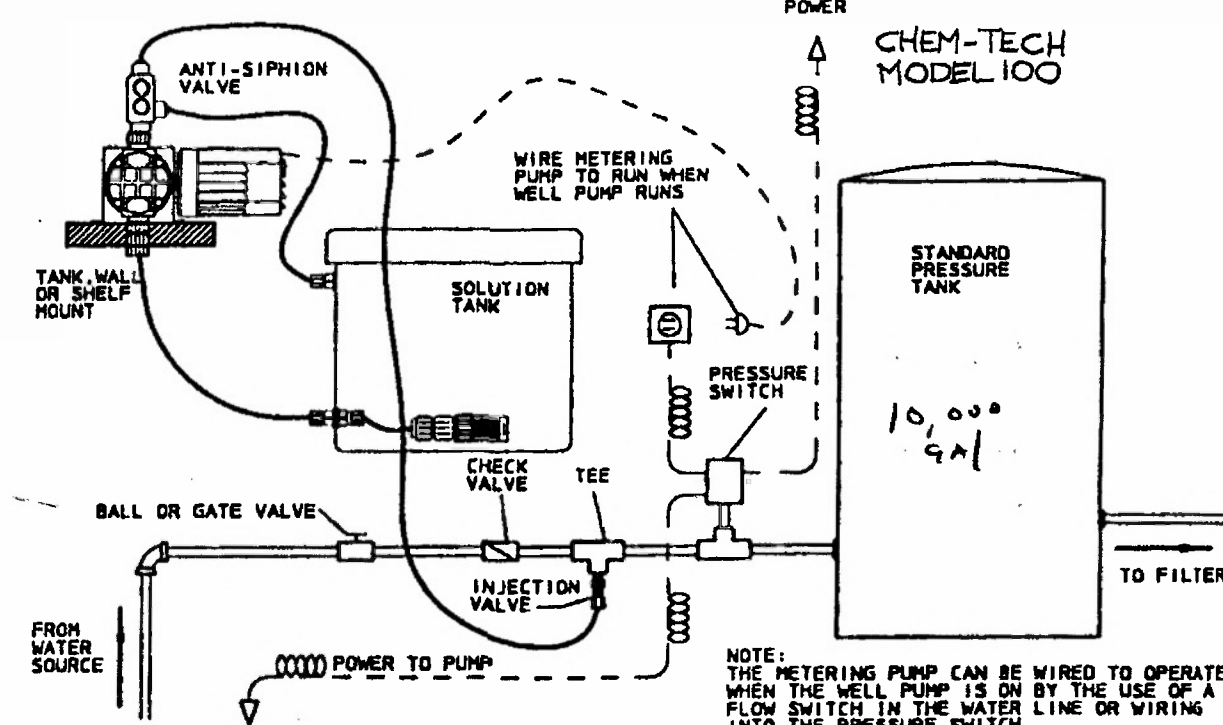
PUMP NOTE:  
2-40HP SUBMERSIBLE PUMPS  
460V-FRANKLIN ELECTRIC MOTORS  
LOAD REQUIREMENTS 460 VOLTS, 3PH, POWER @ 75 KV

# ELECTRICAL CONTROLS

- 3 PHASE PUMP CONTROL PANEL w/ CIRCUIT INTERRUPTER ONE FOR EACH PUMP FOR 2-40HP, 460 VAC MOTOR CONTROL PANELS
- DUPLEX MOTOR CONTROLLERS-PANEL STARTS LEAD PUMP ON PRESET LOW PRESSURE SIGNAL AND STOPS PUMP ON HIGH PRESSURE SIGNAL. CONTROLLER ALTERNATES LEAD AND LAG PUMPS EACH PUMPING CYCLE. (SQUARE D ELECTRIC ALTERNATOR, CLASS 9039-TYPE X)

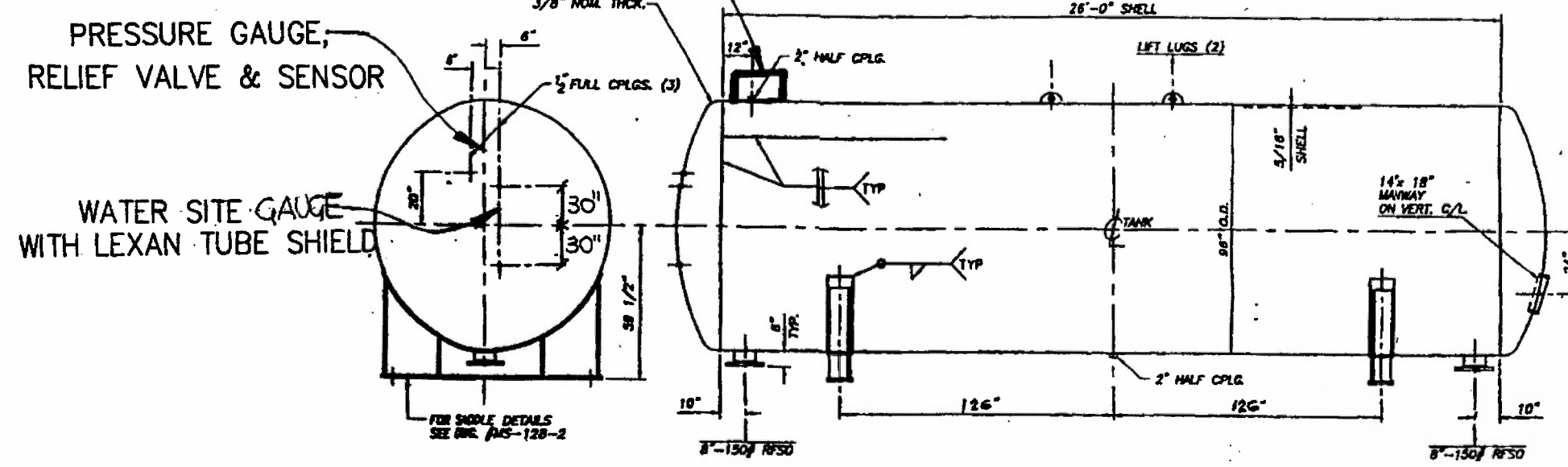


MATCH LINE STATION 26+11.09



CHLORINATION FACILITY  
NTS

AIR RITE CONTROL, (WITH PROBE MODEL 610 BY WHITEWATER MFC. CO. FOR AIR VOLUME CONTROL)



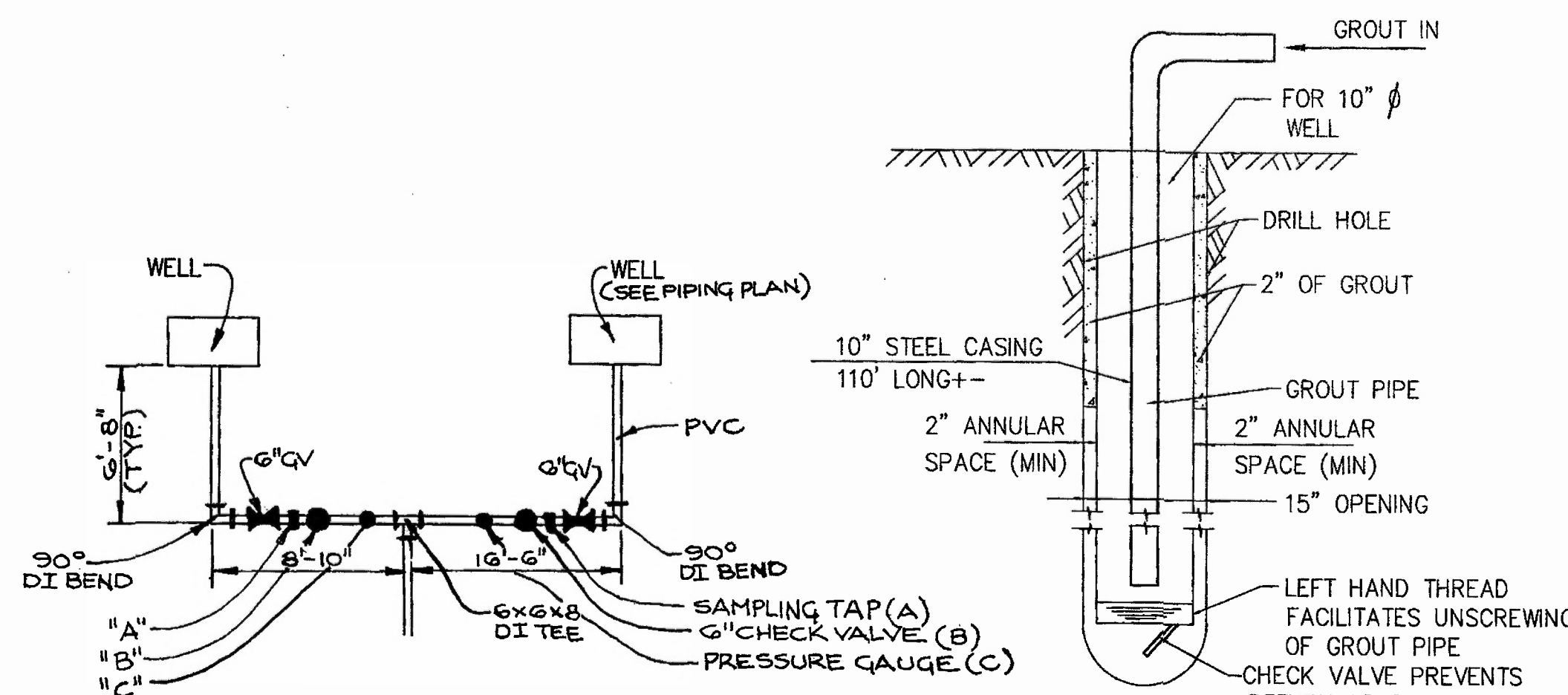
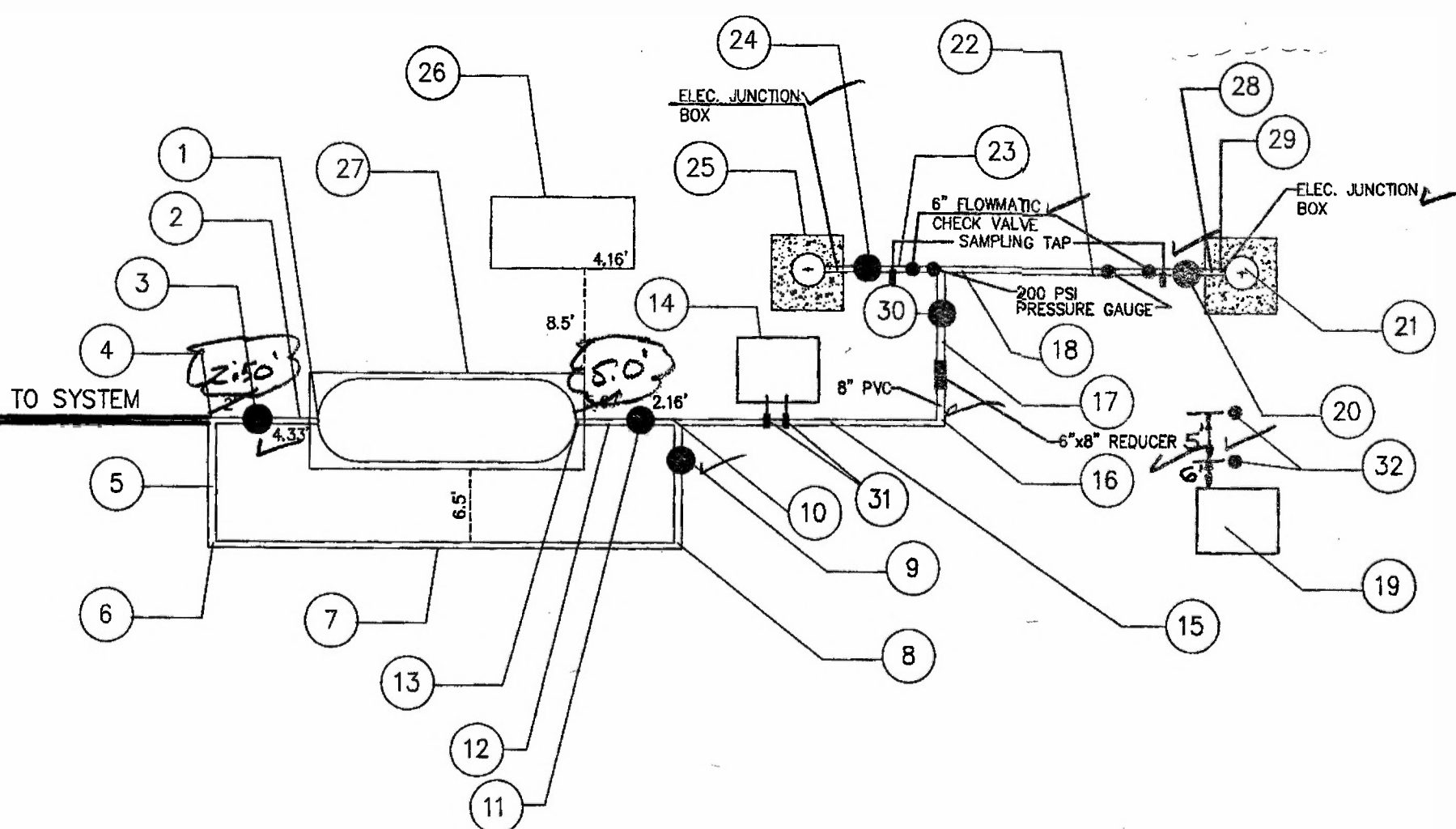
HYDRO-TANK DETAIL  
NTS

HYDRO-TANK  
6" THICK (3000 PSI)  
CONCRETE SLAB  
w/ #5 BARS @ 18" CTRS.  
BASE TO BE 12" THICK  
CRUSHED ROCK/2000PSF  
AND EXTENDED 12" BEYOND FOOTER

# PIPING PLAN

- 8" D.I. CONNECTION TO TANK (4.5' DOWN TO CENTER OF 8" 45° BEND)
- 8" D.I. 45° BEND (C153)
- 8" GATE VALVE 39H3 AMERICAN FLOW CONTROL
- 8" D.I. TEE
- 10.83 LF 8" PVC WM
- 8" D.I. 90° BEND
- 38.16 LF 8" PVC WM
- 8" D.I. 90° BEND
- 8" GATE VALVE 39H3 AMERICAN FLOW CONTROL
- 8" D.I. TEE
- 8" GATE VALVE 39H3 AMERICAN FLOW CONTROL
- 8" D.I. 90° BEND
- 8" D.I. 90° BEND
- 6" x 8" METAL SHED FOR CHLORINE FACILITY ON 7' x 9' CONCRETE SLAB
- 17.33 LF 8" PVC WM
- 8" D.I. 90° BEND
- 18.5 LF 8" DI WM
- 6" x 8" DI MJ TEE
- ELECTRIC TRANSFORMER ON 5.42 x 6.83 4" CONC. SLAB
- 8" GATE VALVE 39H3 AMERICAN FLOW CONTROL
- 10" SCHED 40 BLACK STEEL PIPE
- 16.5 LF 8" SCHED 40 BLACK STEEL PIPE
- 8.83 LF 6" SCHED 40 BLACK STEEL PIPE
- 6" GATE VALVE 39H3 AMERICAN FLOW CONTROL
- 6" x 6" x 6" CONCRETE APRON (3000 PSI) (TYP)
- DIESEL GENERATOR ALLIS CHALMERS EMPIRE D670770-16554 100 KV ON 6' x 12' CONC. SLAB
- 10,000 GALLON HYD. TANK ON A 8' x 23' CONC. SLAB
- SMOOTH NOSE RAW WATER SAMPLING PORT MIN. 12" ABOVE CONCRETE PAD
- PRESSURE GAUGE
- WATER METER REQUIREMENTS: ONE (1) NON-RESETTABLE TOTALIZING METER WITH SCANTRON CARD READING CAPABILITIES
- 2 EA CHLORINE INJECTION POINTS APPROX. 2'-0" APART
- CONTROL PANELS

STEEL PIPE IS 2' FROM BOTTOM 90° BEND w/ WELDED ADAPTER FLANGE FOR C.I. PIPE



WELL HEAD AND PIPING PROFILE  
NTS

GROUTING DETAIL  
NTS

ADP & ASSOCIATES, INC.

Engineers \* Planners \* Surveyors  
962 E. JEFFERSON STREET  
BROOKSVILLE, FL 34601  
(352) 799-1500  
(352) 799-1225

# CINNAMON RIDGE POTABLE WATER TREATMENT FACILITY

## SITE PLAN - PIPING PLAN

1	ADDED PH2 PIPE TO DRA12	7-21-97
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		

App. by	ADP
Des. by	JROS
Drw. by	JROS
Date	2-18-99
Scale	As Noted

Project Number:  
95003

ENGINEER OF RECORD  
Anthony D. Pedonesi, P.E.  
Registration No. 34653

SHEET NO.

2 OF 2

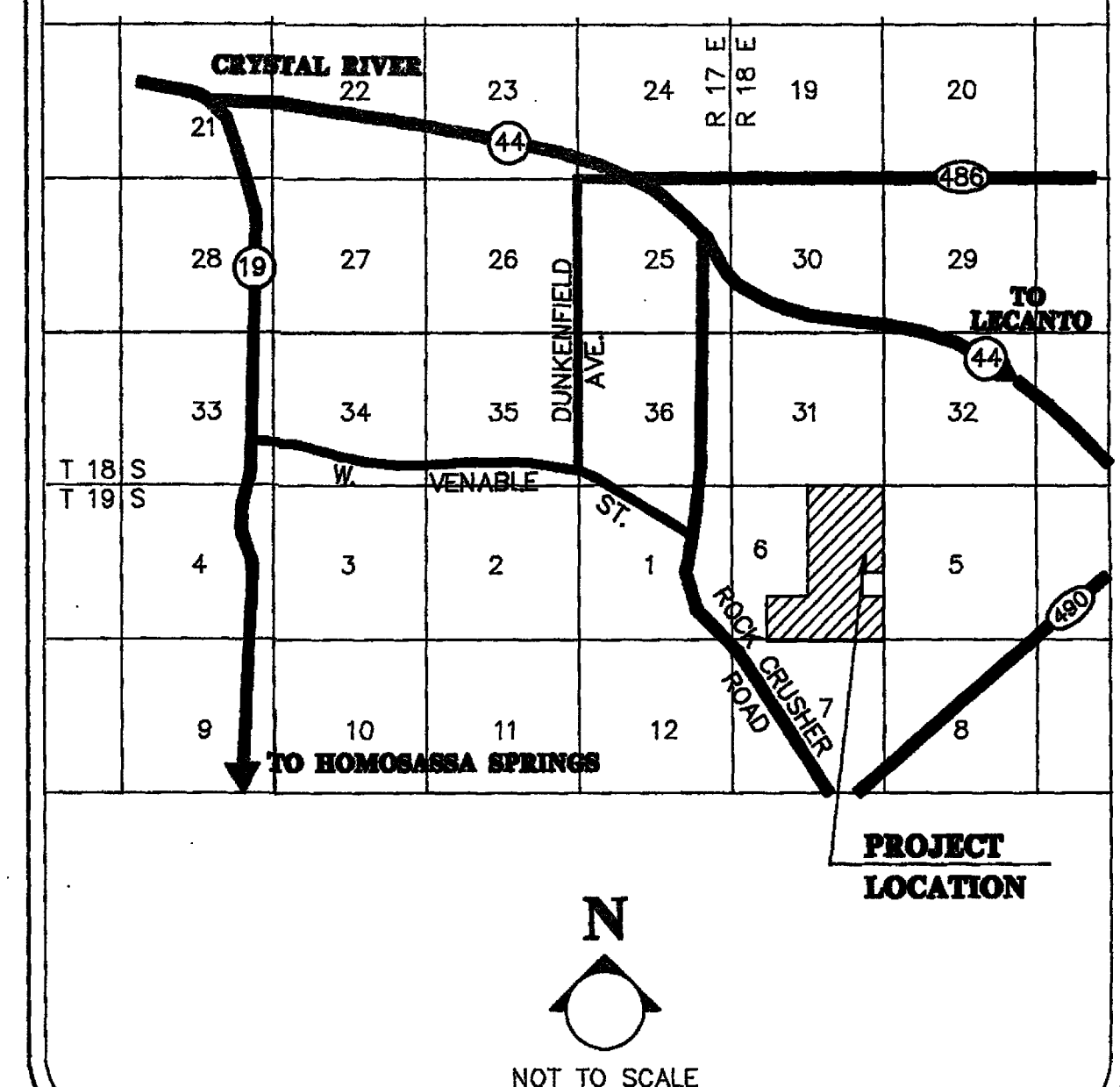
PLOT DATE: 2-18-99 FILENAME: H20SITE



# CONSTRUCTION PLANS FOR CINNAMON RIDGE POTABLE WATER TREATMENT FACILITY

**SEC. 6, TWP. 19S., RGE. 18E.**  
CITRUS COUNTY, FLORIDA

## VICINITY MAP



## INDEX

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	SITE PLAN
3	WELL HEAD AND PIPING PLAN

PREPARED BY:

**A D P & ASSOCIATES**  
ENGINEERS  
SURVEYORS  
PLANNERS

962 EAST JEFFERSON ST. BROOKSVILLE, FL 34601 (352) 799-1500 FAX: (352) 799-1225

I HEREBY CERTIFY THAT THE PROPOSED  
IMPROVEMENTS AS SHOWN ON THESE PLANS  
WILL BE DESIGNED IN ACCORDANCE WITH  
THE CITRUS COUNTY LAND  
DEVELOPMENT CODE

Anthony D. Pedonesi, P.E.  
REGISTERED ENGINEER NO. 34653  
STATE OF FLORIDA

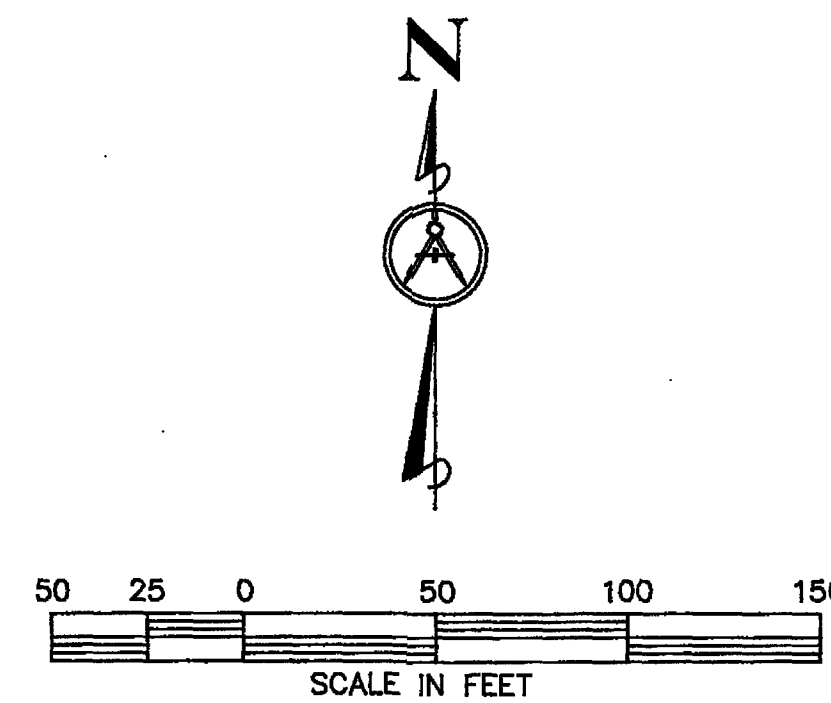
DATE: \_\_\_\_\_

OCTOBER, 1997

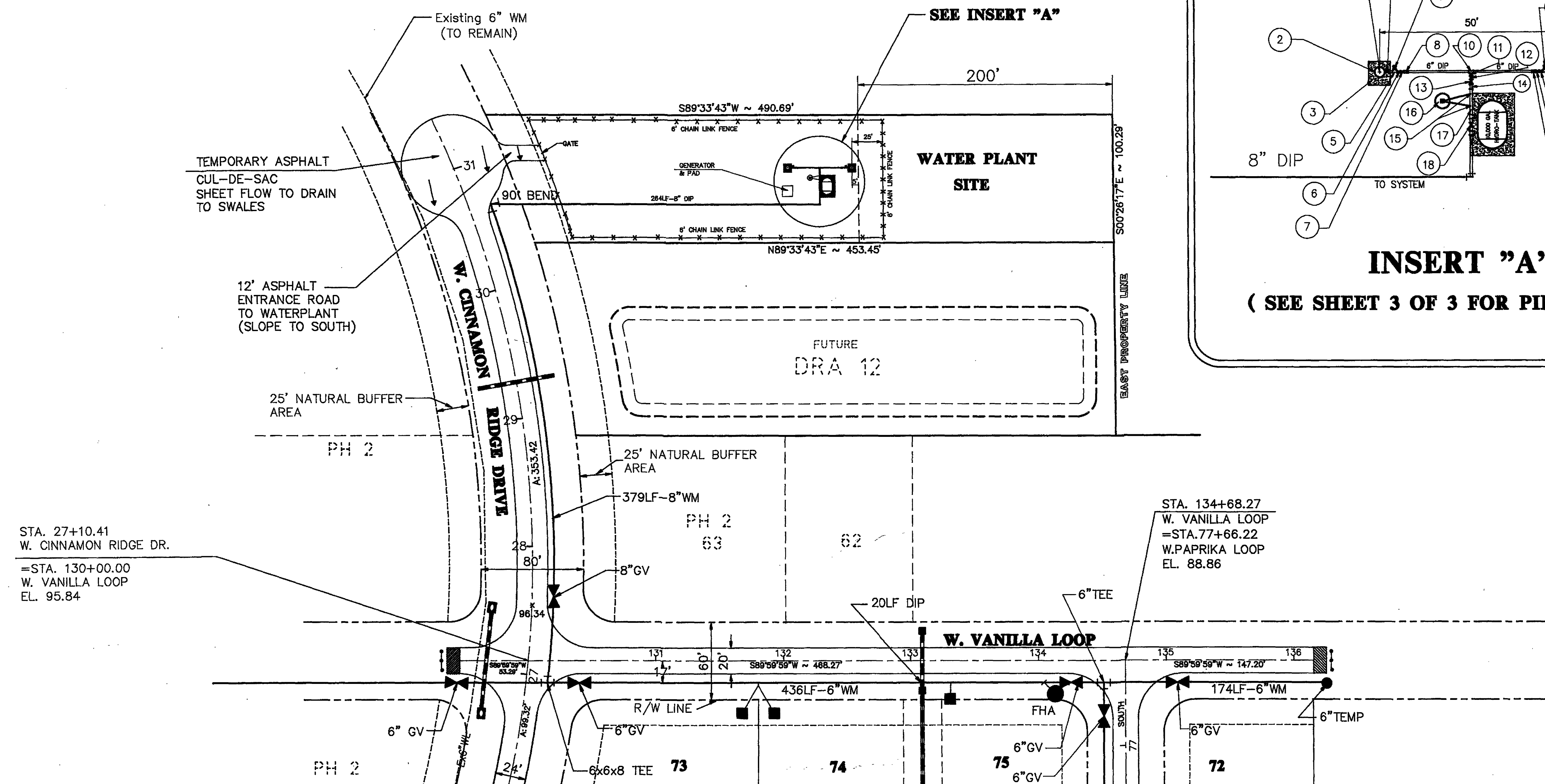
PLOT DATE: 10-16-97 FILENAME: WELLCVR

# **WATER PLANT LEGAL DESCRIPTION:**

Beginning at the southeast corner of Section 6, Township 19S, Range 18E, Citrus County, Florida, thence running north, N00° 11' 11" W, a distance of 1334.94', thence S88° 59' 26"E a distance of 1358.22', thence N00° 26' 17"W a distance of 153.47' to a Point of Beginning. Thence running N89° 33' 43" E, a distance of 453.45' to a curve having a radius of 840', a chord bearing of N20° 48' 31" W and an arc length of 107.05', thence running S89° 33' 43" W, a distance of 490.69', thence running S00° 26' 17" E a distance of 100.29', to the Point of Beginning, containing 1.084 acres MOL.



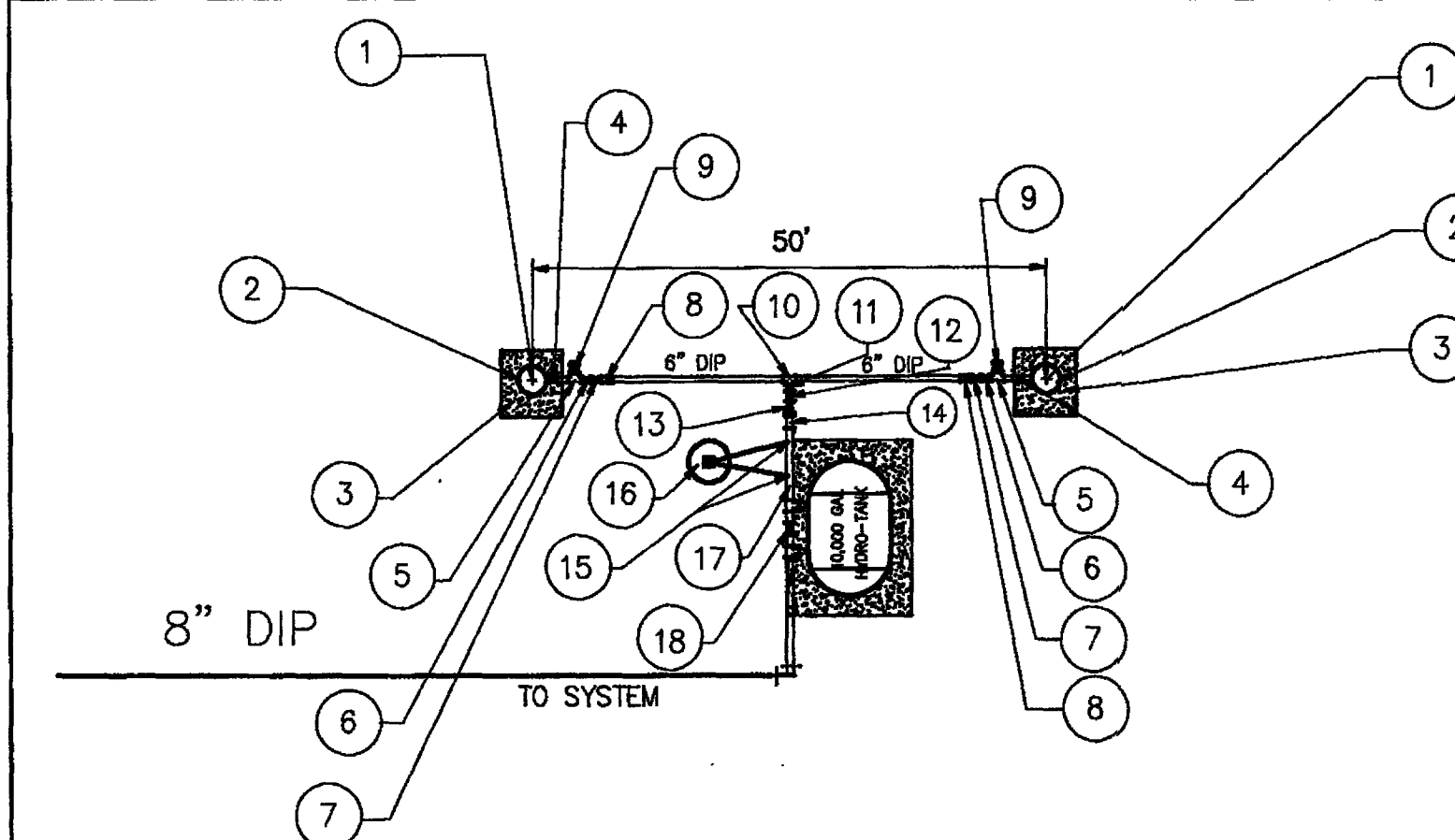
FUTURE PHASE



MATCH LINE STATION 26+11.09

## **WATER PLANT SYSTEM**

- |  |                               |
|--|-------------------------------|
| 1 DOWNHAULED-SMOOTH HOSE RAW WATER SAMPLING PORT-MIN 12" ABOVE CONC SLAB | 11 (2) 45" EL. OUT OF GROUND  |
| 2 10" WELL 500 GAL/MIN. MINIMUM SEE CURVE                                | 12 6" GV                      |
| 3 6" 6" - 6" THICK CONCRETE APRON (3000 PSI)                             | 13 6" WATER SPECIALTIES METER |
| 4 PRESSURE GAUGE   | 14 6"x6" INCREASER            |
| 5 6"x4"x6" TEE   | 15 2-POINTS OF CL.            |
| 6 6" G.V.  | 16 CHLORINATION W/ENCLOSURE   |
| 7 6" G.V.  | 17 6" DIP                     |
| 8 (2) 6" 45" EL.   | 18 6" BY-PASS GV              |
| 9 4" G.V. FOR FLUSHING   |                               |
| 10 6"x6"x6" TEE  |                               |



## **INSERT "A"**

( SEE SHEET 3 OF 3 FOR PIPING PLAN )

## **CINNAMON RIDGE POTABLE WATER TREATMENT FACILITY**

SITE PLAN

1	ADDED PH2 PIPE TO DRA12	7-21-97
MARK	REVISIONS	DATE

App.by	ADP
Des.by	JROS
Drw.by	JROS
Date	10-15-97
Scale	As Noted

**Project Number:**  
**95003**

**ENGINEER OF RECORD**  
Anthony D. Pedonesi, P.E.  
Registration No. 34653

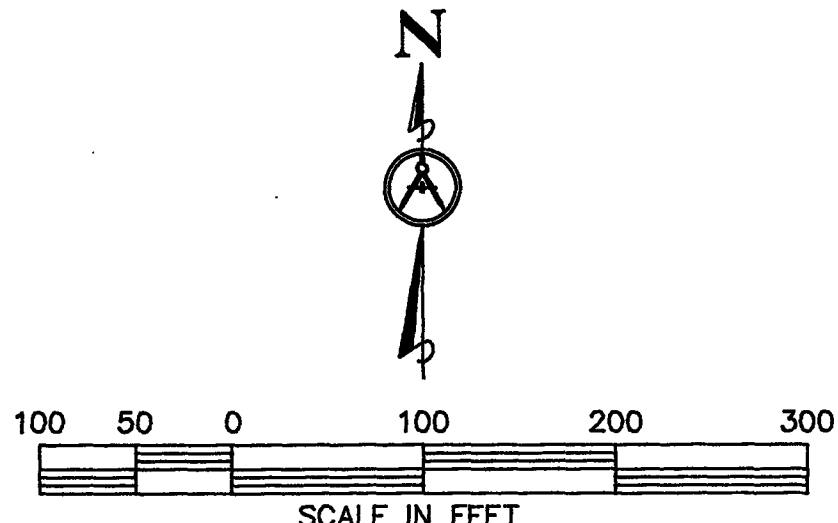
**SHEET NO.**

**2 OF 3**



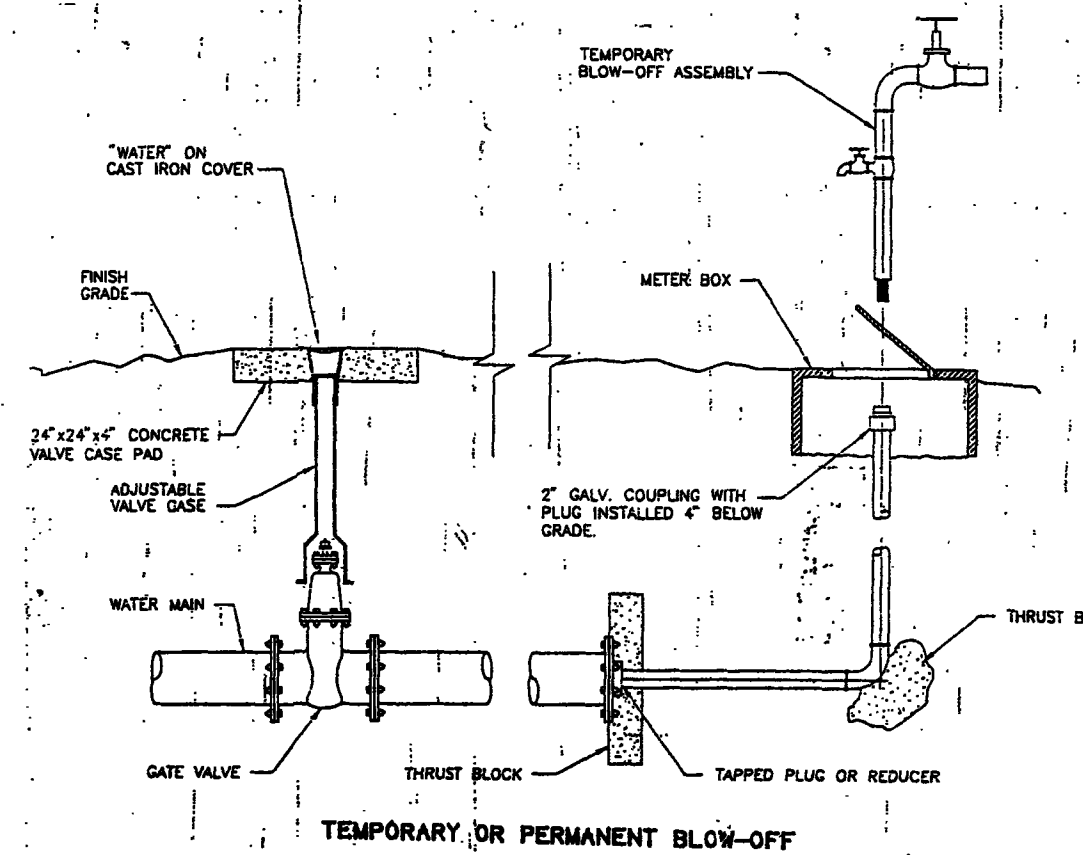
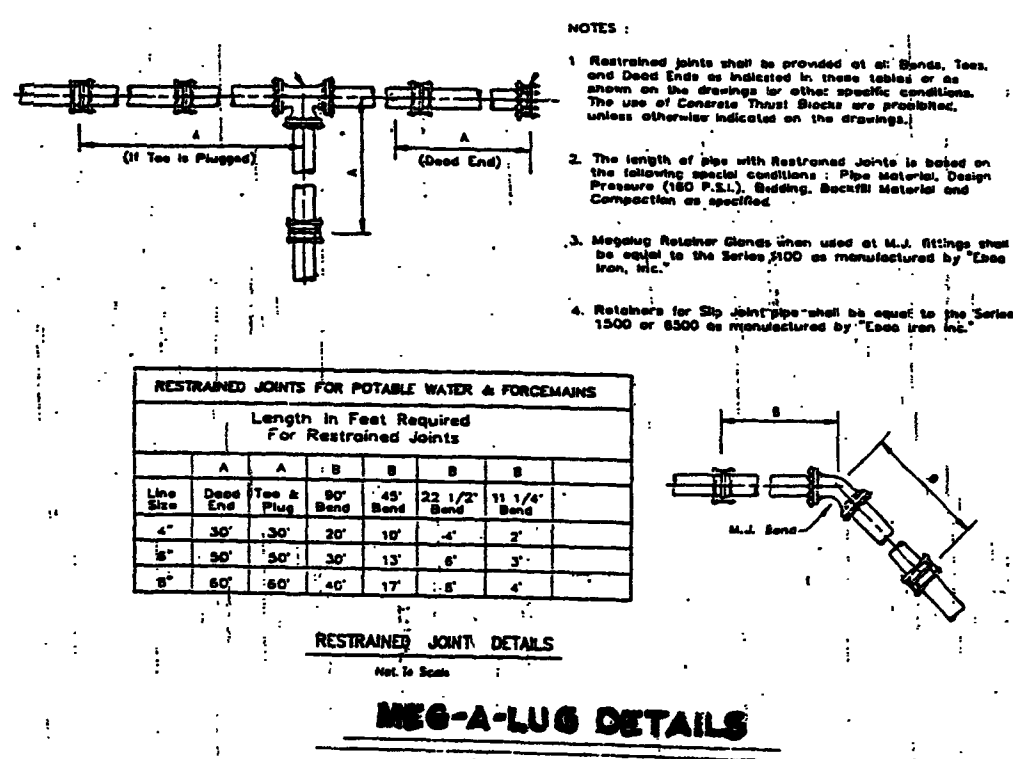
# GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE SPECIFICATIONS AND QUALITY CONTROL OF THE PUBLIC WORKS MANUAL OF CITRUS COUNTY, FLORIDA.
2. ALL ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM.
3. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AS SHOWN AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF THE UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
5. ALL UNDERGROUND UTILITIES MUST BE INSTALLED BEFORE BASE AND SURFACE ARE CONSTRUCTED.
6. SPECIAL CARE IS TO BE TAKEN SO TREES REMAIN UNHARMED DURING CONSTRUCTION.
7. ALL MAINS LENGTHS ARE PLUS OR MINUS.
8. WATER MAINS TO BE 2.5' (MIN) BELOW PROPOSED GRADE.
9. WATER MAINS TO BE 17.0' FROM CENTERLINE OF PROPOSED ROADS.
10. 10' SEPARATION BETWEEN STORM SEWER INLETS AND PIPES IS TYPICAL.
11. 10' OF D.I.P. FROM THE CL OF STORM SEWER INLETS AND PIPES IS TYPICAL.
12. CONFLICTS BETWEEN WATER AND STORM SYSTEMS ARE TO BE RESOLVED BY ADJUSTING WATER LINES AS NECESSARY.
13. ALL WATER MAINS ARE PVC CONFORMING TO AWWA C-900, DR18.
14. ALL WATER MAINS SHALL BE PRESSURE TESTED AT 150 PSI FOR 2 HOUR IN ACCORDANCE WITH THE STANDARDS OF THE PUBLIC WORKS MANUAL OF CITRUS COUNTY, FLORIDA. CONTRACTOR SHALL OBTAIN TWO DAYS OF SATISFACTORY BACTERIOLOGICAL TESTS FOLLOWING COMPLETION OF CONSTRUCTION FOR SUBMITTAL TO THE ENGINEER.
15. HORIZONTAL SEPARATION OF STORM SEWER/SANSEWER LINES AND WATER LINES TO BE A MINIMUM OF 10'.
16. VERTICAL SEPARATION OF STORM SEWER/SANSEWER LINES AND WATER LINES TO BE A MINIMUM OF 18".
17. TEMPORARY WATER LINE BLOWOFFS SHALL BE SPACED A MINIMUM OFF 1500' APART.



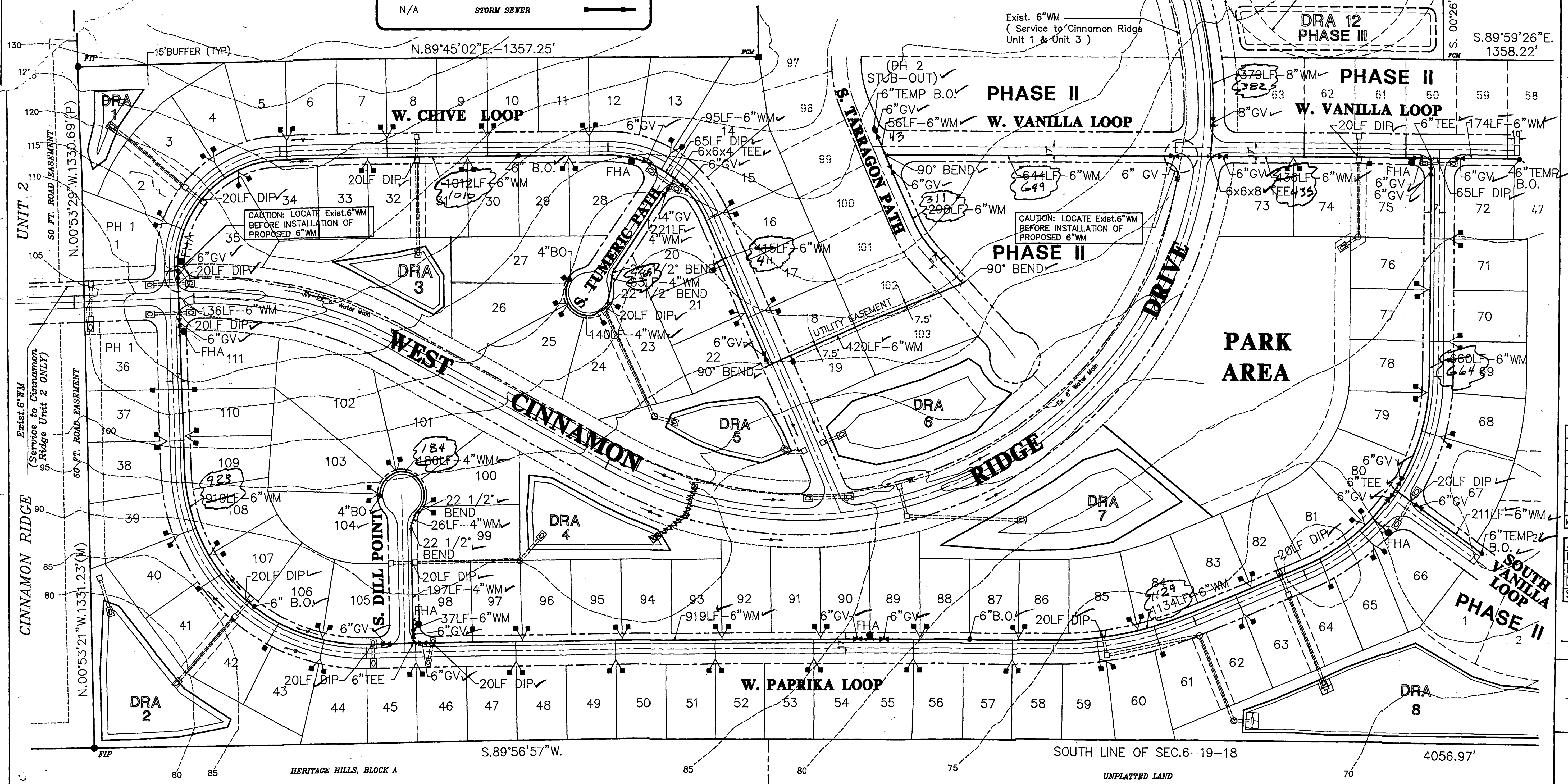
## LEGEND

Existing	CONTOUR	PROPOSED
N/A	6" WATER MAIN	6" BO
N/A	BLOW-OFF ASSEMBLY	FHA
N/A	FIRE HYDRANT ASSEMBLY	6" GV
N/A	GATE VALVE W/BOX	20LF DIP
N/A	DUCTILE IRON PIPE	
N/A	SINGLE SERVICE CONNECTION	
N/A	DOUBLE SERVICE CONNECTION	
N/A	STORM SEWER	



## PIPE:

- General: Uni-bell gasket joint PVC or mortar lined ductile iron pipe is required for sizes three inches and larger. Pipe smaller than two inches shall be glue joint PVC. Gray iron, galvanized or asbestos cement pipe is not approved. Pipe shall meet the following requirements:
1. Gasket joint PVC shall be uni-bell, AWWA C900 DR 18, colored light blue or white and labeled for use as potable water pipe.
  2. Solvent Weld PVC shall be Schedule 40, ASTM D-2241, ASTM D-2672, ASTM D-1784 and NSF #14.
  3. Gasket joint Ductile Iron shall be cement lined as per ANSI/AWWA C104/A21.4 and conform to ANSI/AWWA C150/A21.50, ANSI/AWWA C151/A21.51 and ANSI/AWWA C111/A21.11.



**ADP & ASSOCIATES, INC.**  
**Engineers • Planners • Surveyors**  
 962 E. JEFFERSON STREET  
 BROOKSVILLE, FL 34601  
 (352) 799-1500  
 (352) 799-1225

# WATER SUPPLY SITE PLAN AND MISC. DETAILS CINNAMON RIDGE PHASE ONE

MARK	REVISIONS	DATE
AS-BUILT	4-2-98	

Project Number  
**95-003**

ENGINEER OF RECORD  
 Anthony D. Pedonesi, P.E.  
 Registration No. 34653

SHEET NO.

17 OF 17



DESCRIPTION:  
Being a part of the following described Parent Tract.  
The Southeast 1/4 of the Southeast 1/4  
AND  
The West 1/2 of the Southeast 1/4  
AND  
The Southeast 1/4 of the Southwest 1/4  
All lying and being in Section 6, Township 19 South, Range 18 East, Citrus County, Florida.

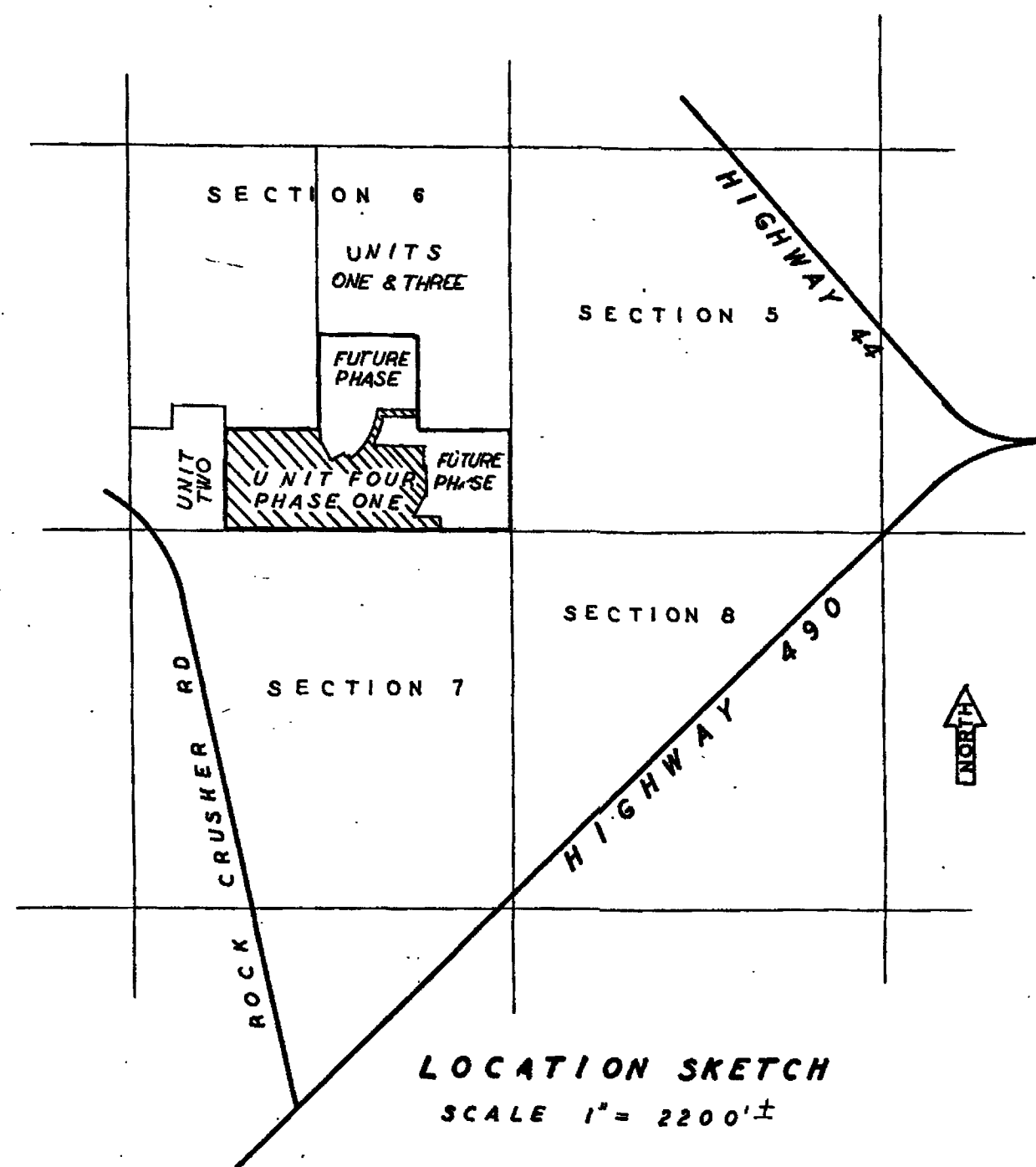
Being more particularly described as follows:  
Commence at the Southeast corner of Section 6, Township 19 South, Range 18 East, Citrus County, Florida, run thence S 89°56'57"W along the South line of said Section 6, a distance of 1035.07 feet to the POINT OF BEGINNING; thence continuing along said South Section line, S 89°56'57"W, 3021.90 feet to the Southeast corner of CINNAMON RIDGE UNIT TWO as per plat thereof recorded in Plat Book 12, Page 55 of the Public Records of Citrus County, Florida; thence N 00°33'29"W along the East line of said Cinnamon Ridge Unit Two, a distance of 1330.69 feet to the Northwest corner of the SW 1/4 of the SW 1/4 of said Section 6; thence N 89°45'02"E along the North line of said SW 1/4 of the SW 1/4, a distance of 1357.25 feet to the Northeast corner of said SW 1/4 of the SW 1/4; thence S 00°41'39"E, 83.77 feet; thence S 23°26'08"E, 567.82 feet; thence N 66°33'52"E, 213.49 feet to the Westerly right-of-way line of a future 60 foot wide road; thence S 41°11'12"E along said future right-of-way, a distance of 40.86 feet; thence further along said future right-of-way, 18.69 feet along the arc of a curve concave Westerly having a radius of 25.00 feet and a central angle of 42°50'01"; thence continuing along said future right-of-way line, 115.92 feet along the arc of a curve concave Northeasterly having a radius of 50.00 feet and a central angle of 132°50'01"; thence S 41°11'12"E radial to the last aforementioned curve, a distance of 100.00 feet to the Westerly right-of-way line of a proposed 80 foot wide road; thence along said proposed right-of-way line, 1008.33 feet along the arc of a curve concave Westerly having a radius of 760.00 feet and a central angle of 76°01'02"; thence Due East, 594.28 feet to the East line of the NW 1/4 of the SE 1/4 of said Section 6; thence S 00°26'17"E along said East line of the NW 1/4 of the SE 1/4, a distance of 100.29 feet; thence Due West, 468.15 feet to the Easterly right-of-way line of a proposed 80 foot wide road; thence along said Easterly right-of-way line, 273.00 feet along the arc of a curve concave Westerly having a radius of 840.00 feet and a central angle of 18°37'17"; thence 39.93 along the arc of a curve concave Northeasterly having a radius of 25.00 feet and a central angle of 91°30'36" to the North right-of-way line of a proposed 60 foot road; thence Due East along said North right-of-way line, a distance of 549.77 feet; thence leaving said proposed 60 foot road, Due South, 205.00 feet; thence Due East, 25.00 feet; thence Due South, 267.94 feet; thence 339.94 feet along the arc of a curve concave Westerly having a radius of 600.00 feet and a central angle of 32°27'43"; thence S 35°19'40"W, 30.00 feet to the center-line of a proposed 60 foot wide road; thence S 54°40'20"E along said center-line, 7.75 feet; thence S 35°19'40"W, 175.00 feet; thence S 54°40'20"E, 68.00 feet; thence 308.54 feet along the arc of a curve concave Northerly having a radius of 400.00 feet and a central angle of 44°11'44"; thence S 08°52'04"E radial to last aforesaid curve, a distance of 114.57 feet to the POINT OF BEGINNING.

Containing 84.988 acres more or less.

# CINNAMON RIDGE

## UNIT FOUR PHASE ONE

LYING IN  
SEC 6, TWP 19S, RNG 18E, CITRUS COUNTY, FLORIDA



NUMBER	BEARING	DISTANCE
L1	S 67° 06' 23" W	8.21'
L2	S 67° 06' 23" W	37.31'
L3	S 54° 40' 20" E	7.75'
L4	S 41° 11' 12" E	60.00'
L5	S 41° 11' 12" E	40.86'
L6	N 89° 45' 02" E	10.00'

CURVE TABLE

NUMBER	R =	ARC =	DELTA =
C1	400.00	244.00	17°22'38"
C2	400.00	120.00	17°11'19"
C3	400.00	120.00	17°11'19"
C4	255.00	68.35	15°34'58"
C5	255.00	81.52	16°18'58"
C6	255.00	76.50	17°11'19"
C7	255.00	76.50	17°11'19"
C8	255.00	89.20	20°02'33"
C9	25.00	38.26	87°40'37"
C10	25.00	40.71	83°17'58"
C11	185.00	285.50	86°49'31"
C12	185.00	68.00	19°58'48"
C13	185.00	227.50	66°50'43"
C14	25.00	38.27	90°00'00"
C15	25.00	38.52	90°34'44"
C16	780.00	188.97	12°30'48"
C17	780.00	197.11	14°51'37"
C18	780.00	27.67	02°08'30"
C19	840.00	139.82	09°30'59"
C20	840.00	293.90	20°01'35"
C21	345.00	36.86	06°07'18"
C22	345.00	140.00	23°15'02"
C23	345.00	140.00	23°15'02"
C24	345.00	140.00	23°15'02"
C25	345.00	80.00	13°17'10"
C26	200.00	311.23	89°09'34"
C27	200.00	81.16	23°15'02"
C28	200.00	81.16	23°15'02"
C29	200.00	81.16	23°15'02"
C30	200.00	81.16	23°15'02"
C31	200.00	46.38	13°17'10"
C32	405.00	100.00	14°08'50"
C33	405.00	100.00	14°08'50"
C34	405.00	100.00	14°08'50"
C35	405.00	100.00	14°08'50"
C36	405.00	100.00	14°08'50"
C37	405.00	100.00	14°08'50"
C38	405.00	15.07	02°07'59"
C39	25.00	39.27	90°00'00"
C40	25.00	39.27	90°00'00"
C41	50.00	231.84	26°40'00"
C42	25.00	18.89	42°50'00"
C43	25.00	18.89	42°50'00"
C44	50.00	2.20	02°31'03"
C45	50.00	75.88	86°43'51"

NUMBER	R =	ARC =	DELTA =
C46	50.00	28.33	32°27'35"
C47	50.00	82.36	80°00'00"
C48	50.00	71.07	81°26'26"
C49	50.00	2.20	02°31'03"
C50	895.00	277.08	22°50'34"
C51	725.00	298.04	22°50'34"
C52	755.00	301.00	22°50'34"
C53	755.00	100.36	07°38'57"
C54	755.00	100.00	07°35'20"
C55	755.00	100.85	07°38'17"
C56	895.00	35.43	04°34'10"
C57	895.00	128.36	10°25'03"
C58	895.00	35.39	07°51'21"
C59	425.00	235.72	31°48'43"
C60	425.00	282.08	39°19'40"
C61	455.00	200.11	29°11'56"
C62	455.00	82.89	07°56'12"
C63	455.00	103.48	13°01'51"
C64	455.00	33.73	04°10'03"
C65	25.00	36.40	83°28'13"
C66	25.00	36.40	83°28'14"
C67	395.00	11.50	01°40'07"
C68	395.00	140.00	20°18'27"
C69	395.00	135.00	19°34'58"
C70	395.00	125.00	18°07'54"
C71	395.00	11.13	07°24'59"
C72	350.00	219.27	22°50'34"
C73	350.00	43.88	04°34'10"
C74	350.00	100.00	10°25'03"
C75	350.00	75.41	07°51'21"
C76	250.00	228.30	28°44'54"
C77	250.00	282.81	67°08'23"
C78	250.00	7.28	01°40'07"
C79	250.00	88.84	20°18'27"
C80	250.00	85.44	19°34'58"
C81	250.00	79.11	18°07'54"
C82	250.00	34.36	07°24'59"
C83	25.00	39.27	90°00'00"
C84	25.00	39.27	90°00'00"
C85	25.00	35.42	81°10'06"
C86	25.00	39.93	91°30'36"
C87	25.00	38.49	88°13'20"
C88	25.00	43.81	100°24'34"
C89	840.00	127.30	08°41'00"
C90	840.00	531.81	26°42'41"

NUMBER	R =	ARC =	DELTA =
C91	840.00	419.19	28°35'33"
C92	840.00	102.96	07°01'22"
C93	840.00	100.74	06°52'17"
C94	840.00	100.06	06°48'30"
C95	840.00	100.82	06°52'36"
C96	840.00	274.95	18°45'16"
C97	25.00	32.86	74°50'58"
C98	25.00	49.86	114°18'08"
C99	255.00	297.36	66°48'50"
C100	255.00	79.14	17°46'51"
C101	255.00	80.86	18°10'05"
C102	255.00	84.50	18°39'10"
C103	255.00	52.87	11°52'44"
C104	225.00	262.36	86°48'50"
C105	225.00	127.98	32°35'25"
C106	225.00	134.40	34°13'25"
C107	195.00	52.23	15°20'48"
C108	25.00	47.51	108°52'35"
C109	25.00	47.51	108°52'41"
C110	195.00	46.87	13°42'44"
C111	25.00	18.89	42°50'00"
C112	25.00	18.89	42°50'00"
C113	50.00	231.84	26°40'00"
C114	50.00	46.75	52°25'28"
C115	50.00	48.20	52°58'08"
C116	50.00	40.87	46°57'10"
C117	50.00	50.65	56°02'41"
C118	50.00	-8.27	59°18'35"
C119	455.00	95.94	12°04'51"
C120	455.00	100.00	12°35'33"
C121	455.00	32.36	04°04'30"
C122	800.00	42.87	04°04'30"
C123	800.00	131.87	12°35'33"
C124	800.00	163.40	15°47'40"
C125	800.00	336.84	32°27'43"
C126	840.00	380.34	25°58'13"
C127	840.00	273.00	18°37'17"
C128	840.00	107.33	07°19'18"
C129	50.00	115.92	132°50'01"
C130	25.00	18.89	42°50'01"
C131	405.00	15.16	02°08'39"
C132	550.00	543.21	56°35'20"
C133	550.00	135.80	14°08'50"
C134	550.00	135.80	14°08'50"
C135	550.00	135.80	14°08'50"
C136	550.00	135.80	14°08'50"

### ABSTRACTOR'S CERTIFICATE

I hereby certify that Gulf Highway Land Corporation is the record owner of the lands hereby platted, that there are no delinquent taxes on such lands; that record title to all access roads is held by Citrus County, the State of Florida or Cinnamon Ridge Property Owners Association; and that there are no mortgage holders of record concerning this property other than as shown.  
Dated at Citrus County, Florida, this 16 day of Sept 1997

CRYSTAL RIVER TITLE COMPANY.

BY: David C. Roberts, President

### APPROVAL OF COUNTY OFFICIALS

BY: \_\_\_\_\_ COUNTY ENGINEER

BY: \_\_\_\_\_ DIRECTOR OF PUBLIC WORKS

BY: \_\_\_\_\_ DIRECTOR OF ENVIRONMENTAL HEALTH

BY: \_\_\_\_\_ DIRECTOR OF PLANNING

### APPROVAL AS TO FORM AND SUBSTANCE

BY: \_\_\_\_\_ COUNTY ATTORNEY

### COUNTY COMMISSIONERS APPROVAL

The Board of County Commissioners of Citrus County, Florida does hereby approve this plat for recording in the Public Records and accepts the foregoing dedication.

ATTEST: \_\_\_\_\_

Clerk of the Circuit Court

BY: \_\_\_\_\_

Board Chairman

### CLERK'S ACCEPTANCE

I hereby certify that the attached plat conforms with the provisions of Chapter 177 of the Florida Statutes, and that said plat was filed for record in Plat Book \_\_\_\_\_ at Page \_\_\_\_\_ of the Public Records of Citrus County, Florida, at \_\_\_\_\_ on \_\_\_\_\_ 1997 file # \_\_\_\_\_

BY: \_\_\_\_\_  
Clerk of the Circuit Court

### NOTES

- There may be additional restrictions that are not shown on this plat that may be found in the Public Records of Citrus County.
- Bearings are based on the South line of Section 6, Township 19 South, Range 18 East, Citrus County, Florida being S 89°56'57"W.
- Subject property is located in Flood Zone "C" according to the Flood Insurance Rate Map panel number 120063 0210 B dated August 15, 1984.
- All streets, easements and drainage retention areas are to be dedicated to Citrus County.
- A total of 111 lots are proposed on this plat.
- All lots to be served by a private water supply system and individual septic systems.
- The lots and facilities described on this plat are in conformance with the Development of Regional Impact Order, known as the "Rock Crusher Road DRI".
- WITHLACOCHEE RIVER ELECTRIC COOPERATIVE (WREC) WILL HAVE EASEMENTS IN ALL COMMON AREAS OF THREE (3) FT EITHER SIDE OF THE CENTERLINE OF ALL BURIED ELECTRICAL FACILITIES.

### DEDICATION:

Know all men by the e presents, that GULF HIGHWAY LAND CORPORATION, a Florida corporation, being the owner in fee simple of the lands in the attached plat entitled CINNAMON RIDGE, UNIT FOUR, PHASE ONE, located in Citrus County, Florida, does hereby dedicate said lands and plat for the use and purposes therein expressed and dedicates the road rights-of-way and easements together with all improvements thereon, to Citrus County, Florida, for public use. Reserving unto themselves, their successors or assigns, the reversion or reverts thereof whenever discontinued by law.

In witness whereof, Gulf Highway Land Corporation has caused these presents to be signed and attested to by the officers named below and its corporate seal to be affixed hereto on this 4<sup>th</sup> day of September, 1997

### ATTEST:

GULF HIGHWAY LAND CORPORATION:

BY: James N. Paxton  
Printed Name  
Winston Carran  
Printed Name

James N. Paxton  
James N. Paxton, President  
Virginia W. Piper  
Virginia W. Piper, Secretary

BY: Sharon E. Padonosi  
Printed Name  
Sharon E. Padonosi  
Printed Name

STATE OF FLORIDA  
COUNTY OF CITRUS

The foregoing instrument was acknowledged before me this 4<sup>th</sup> day of Sept 1997 by James N. Paxton as president and Virginia W. Piper as secretary of Gulf Highway Land Corporation, a Florida Corporation, on behalf of said Corporation. They are personally known to me or have produced \_\_\_\_\_ as identification and did not appear to be under duress.

BY: James N. Paxton  
James N. Paxton  
Notary Public State of FL  
NOTARY PUBLIC  
FLORIDA CERTIFICATE #0045907

### SURVEYORS CERTIFICATE

I hereby certify that this plat of CINNAMON RIDGE UNIT FOUR PHASE ONE, is a true and correct representation of the lands as recently surveyed and platted under my direction, that the permanent reference monuments as shown thereon were in place on the 4<sup>th</sup> day of September, 1997, and that this plat complies with the requirements of Chapter 177, Florida Statutes.

GLOBAL SURVEYS, INC.  
BY: Donald C. Barbee  
Donald C. Barbee  
Professional Land Surveyor #4882

### ENGINEERS CERTIFICATE

I, the undersigned Professional Engineer, hereby certify that the road and drainage design and construction necessary for this development are in accordance with the Citrus County specifications and good engineering practice.

ADP & ASSOCIATES  
BY: Anthony D. Padonosi, P.E.  
Anthony D. Padonosi, P.E.  
Registration # 34653

NationsBank, N.A. - Mortgagee

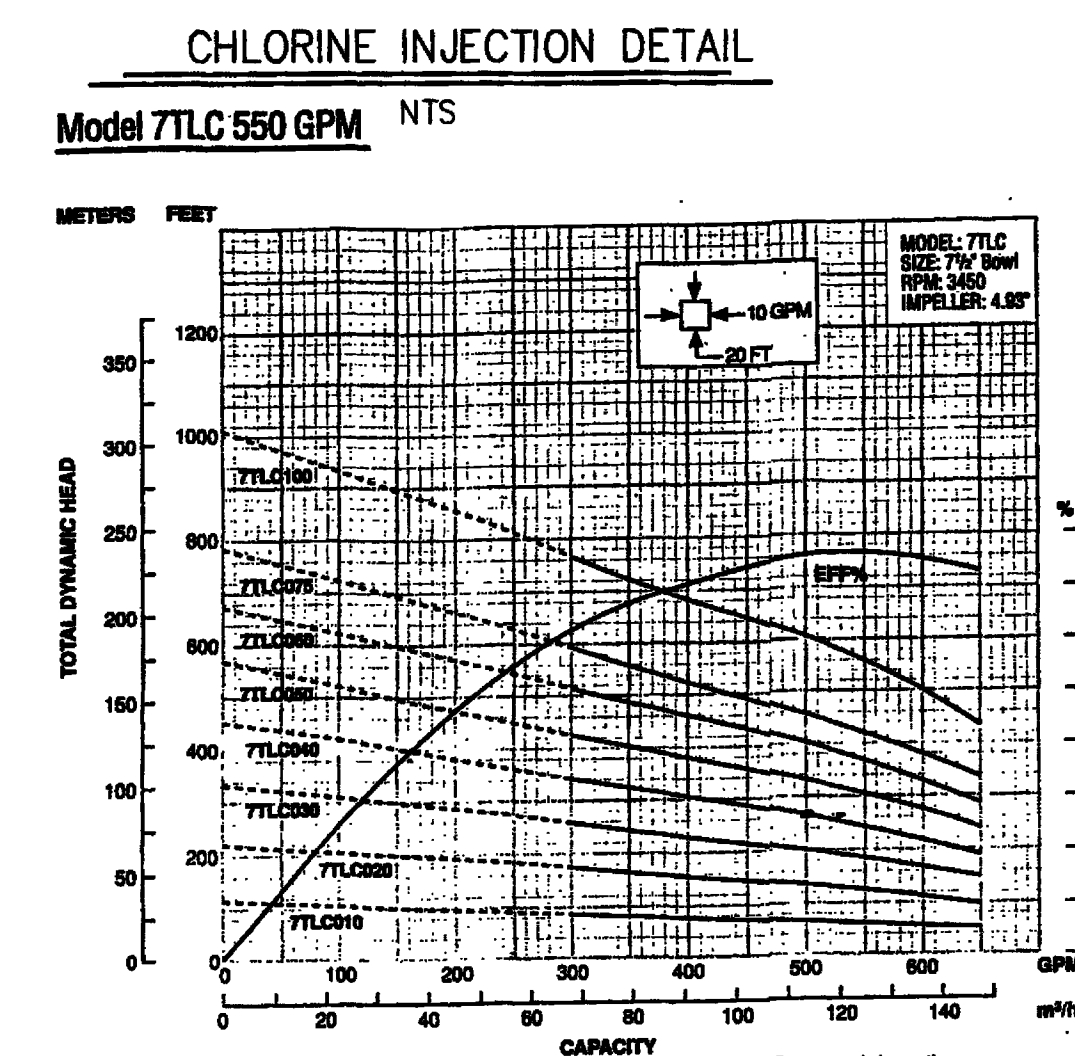
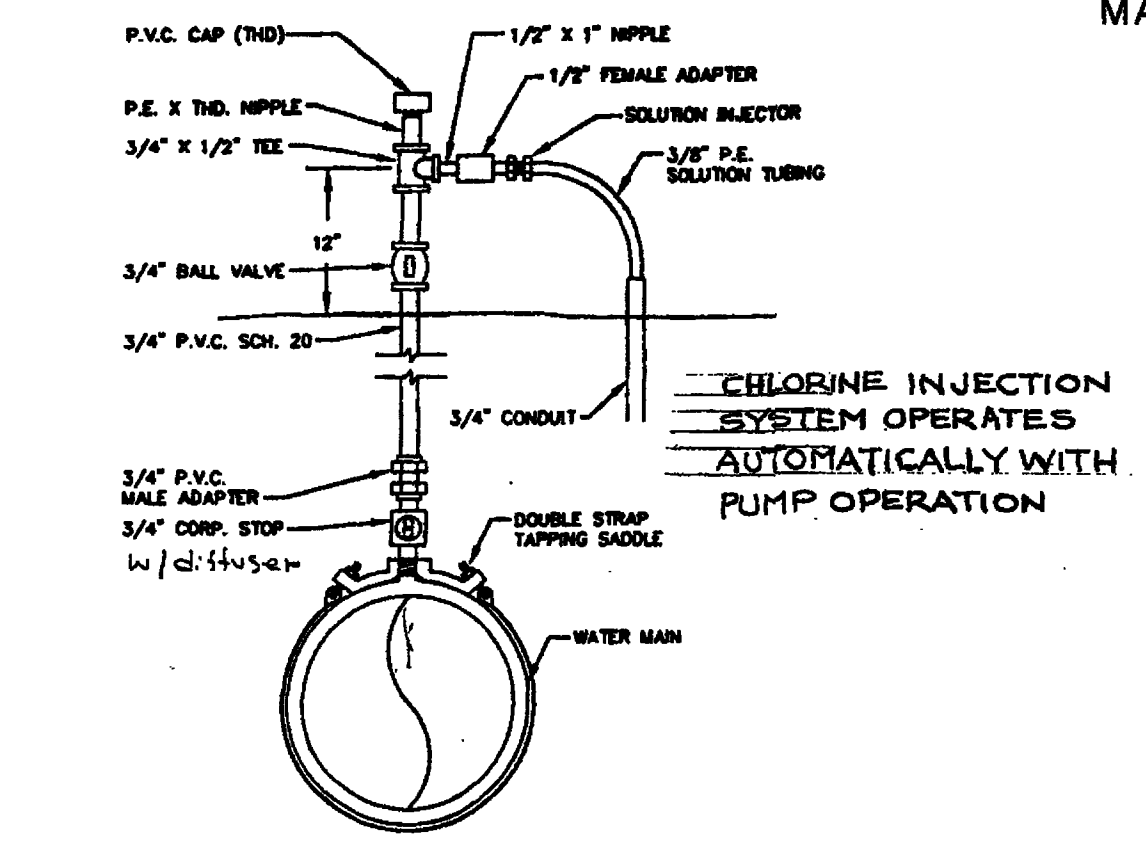
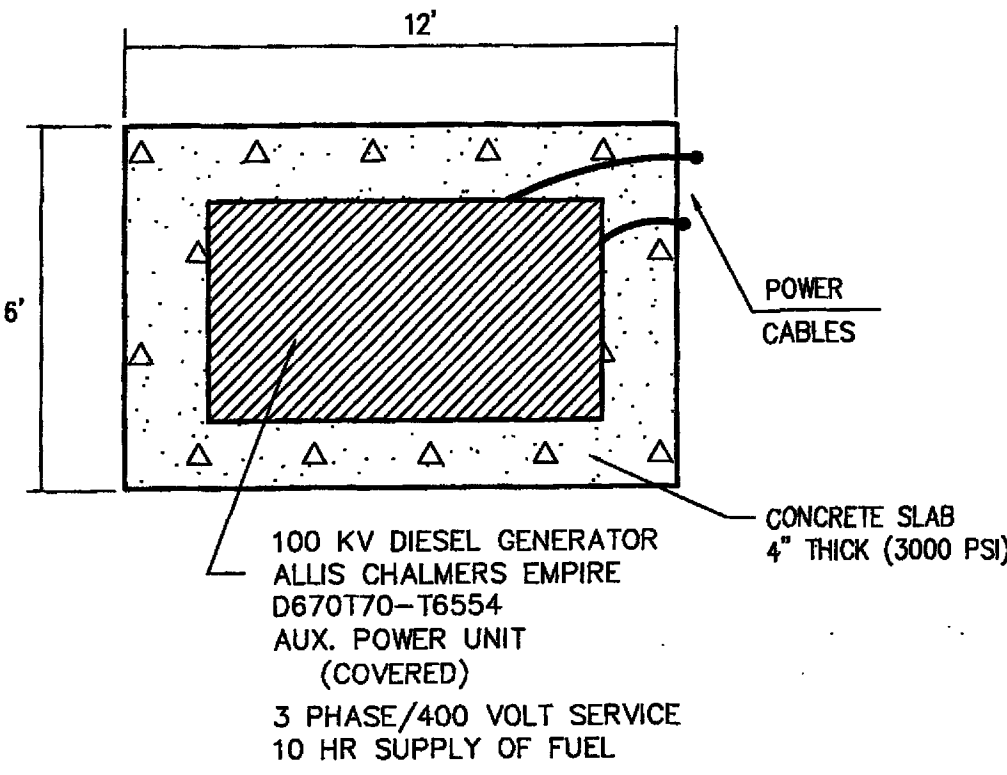
Dean W. Kuna  
Dean W. Kuna, Senior Vice President

ADP & ASSOCIATES, INC.  
Engineers • Planners • Surveyors  
962 E. JEFFERSON ST.  
BROOKSVILLE, FL 34601  
(813) 799-1500

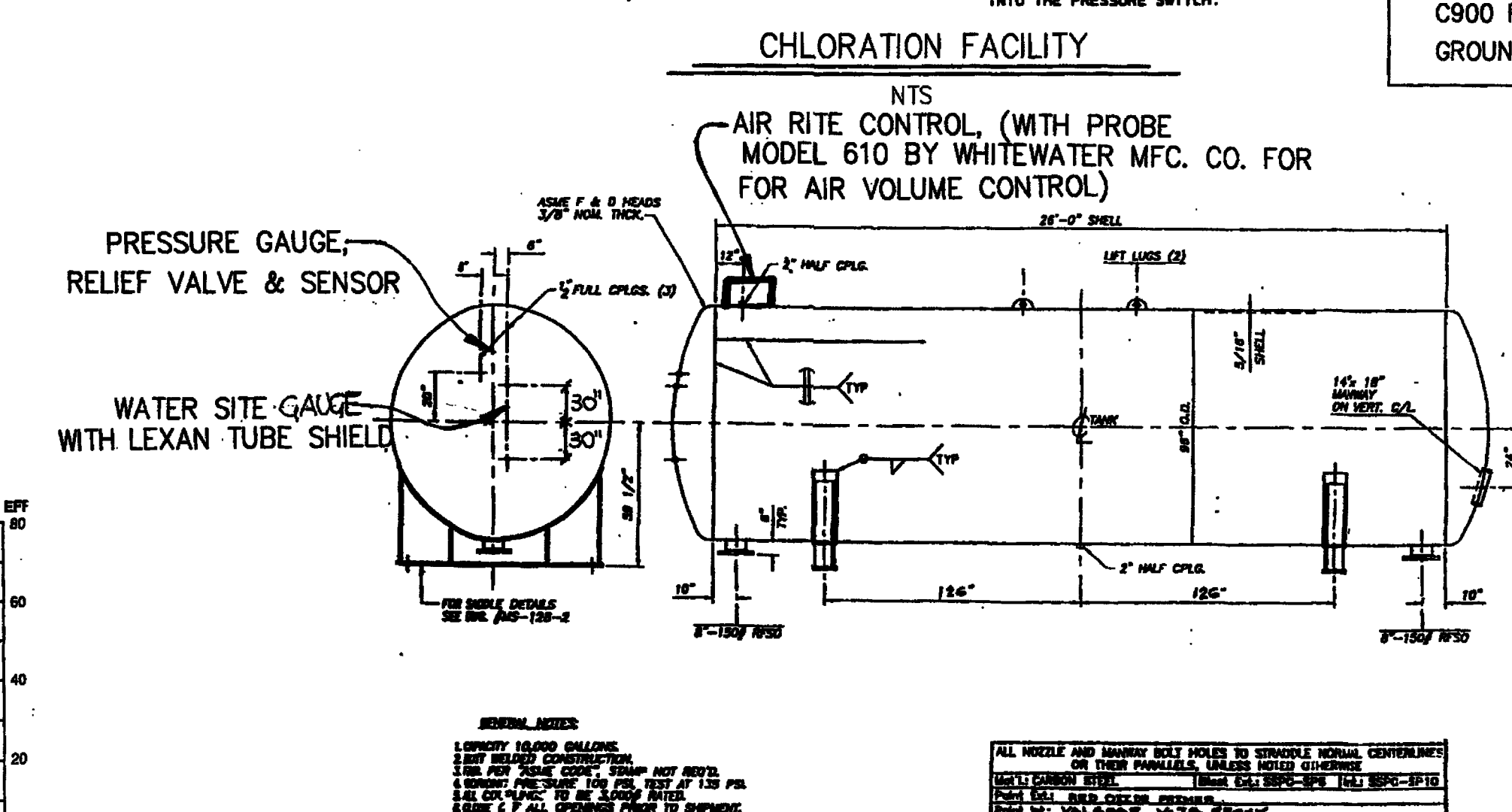
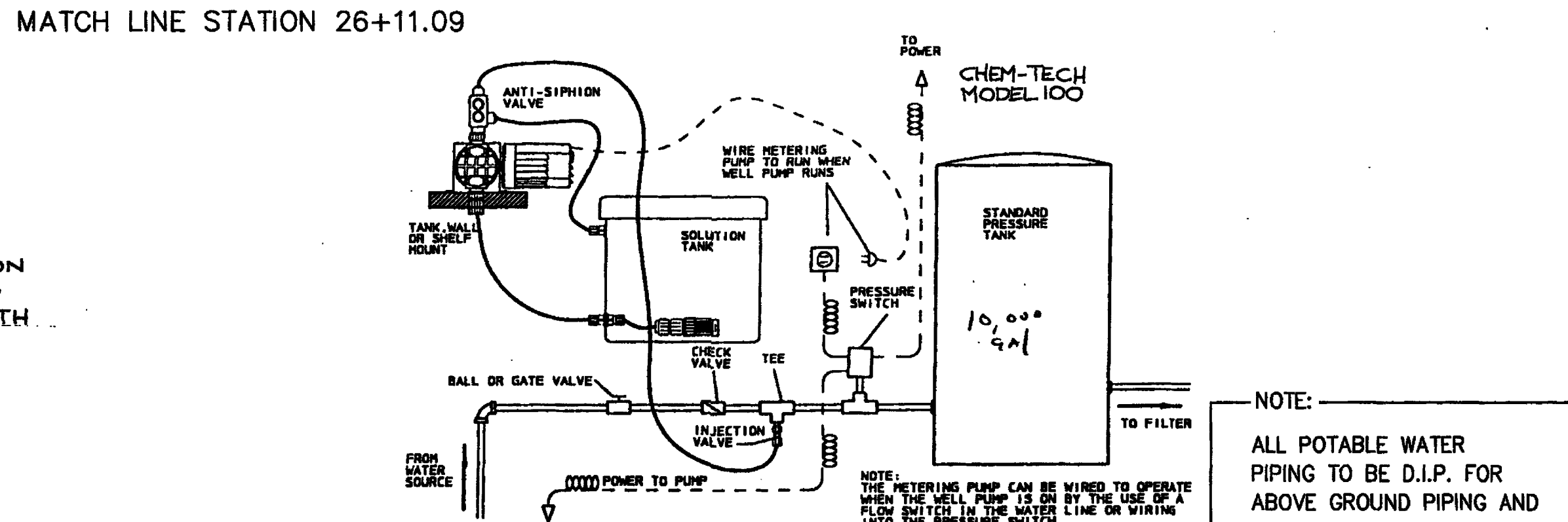
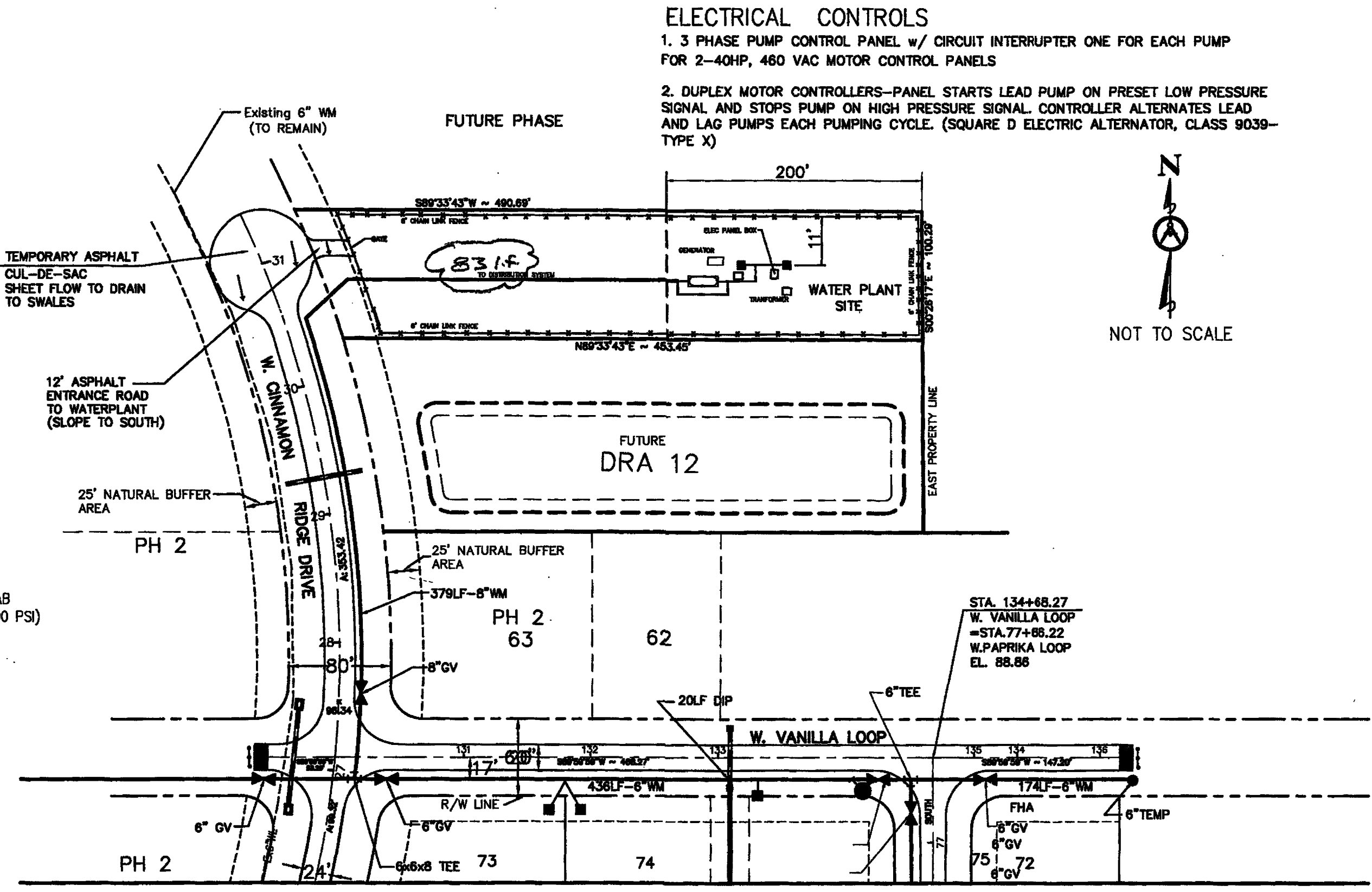


**WATER PLANT LEGAL DESCRIPTION**

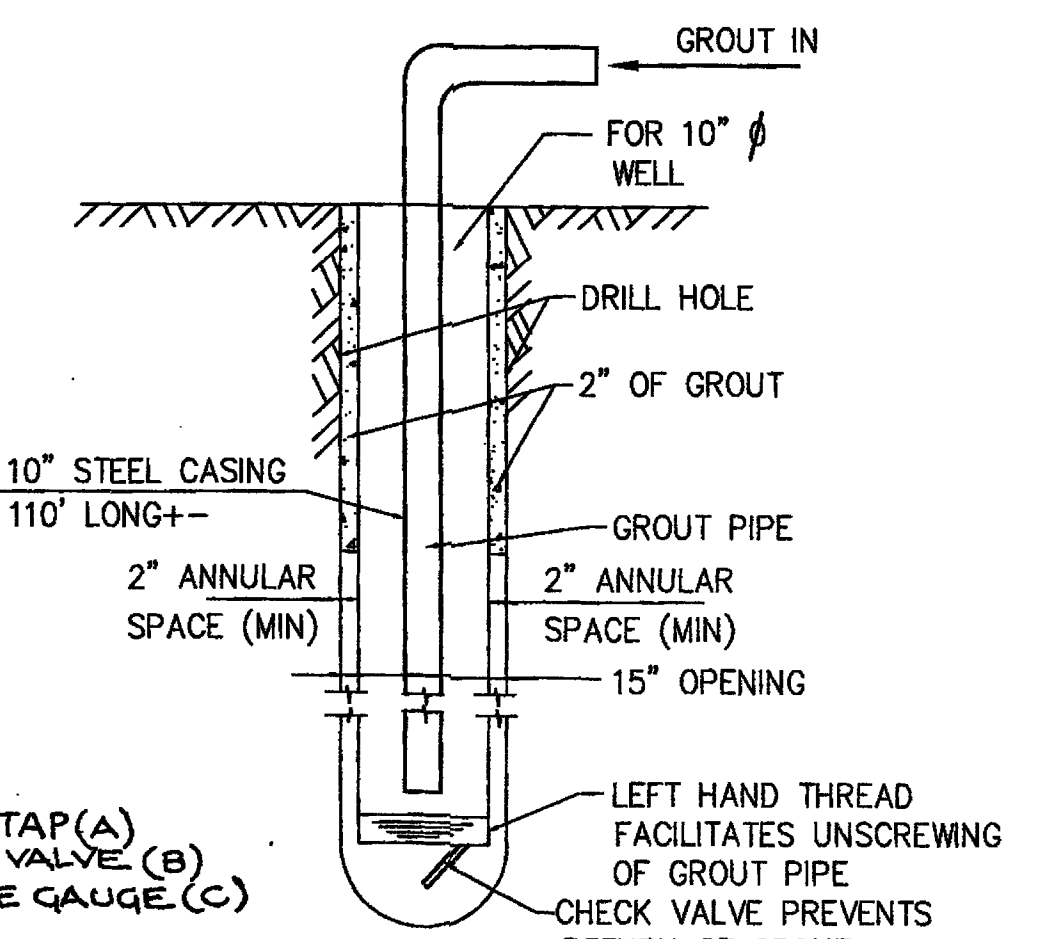
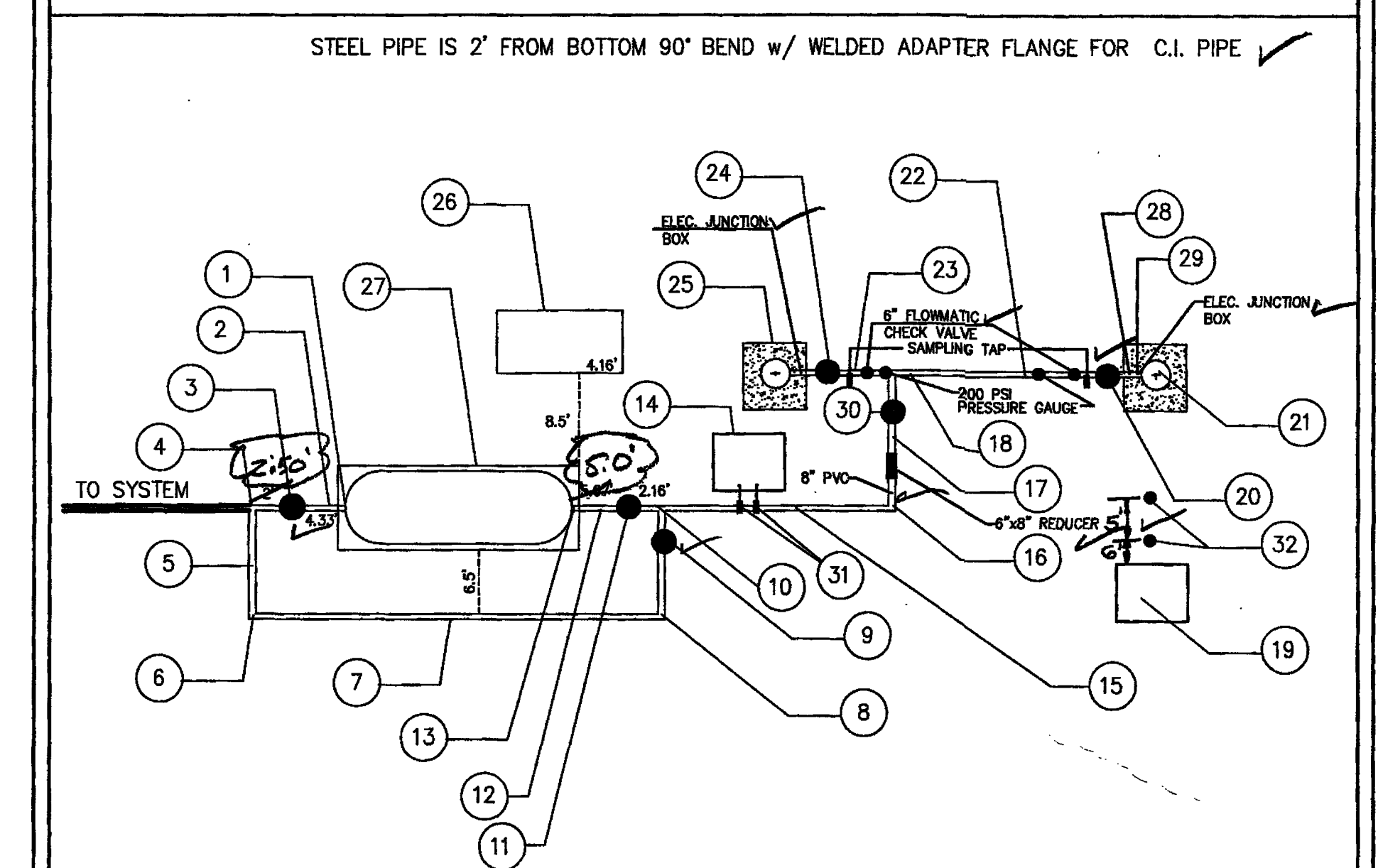
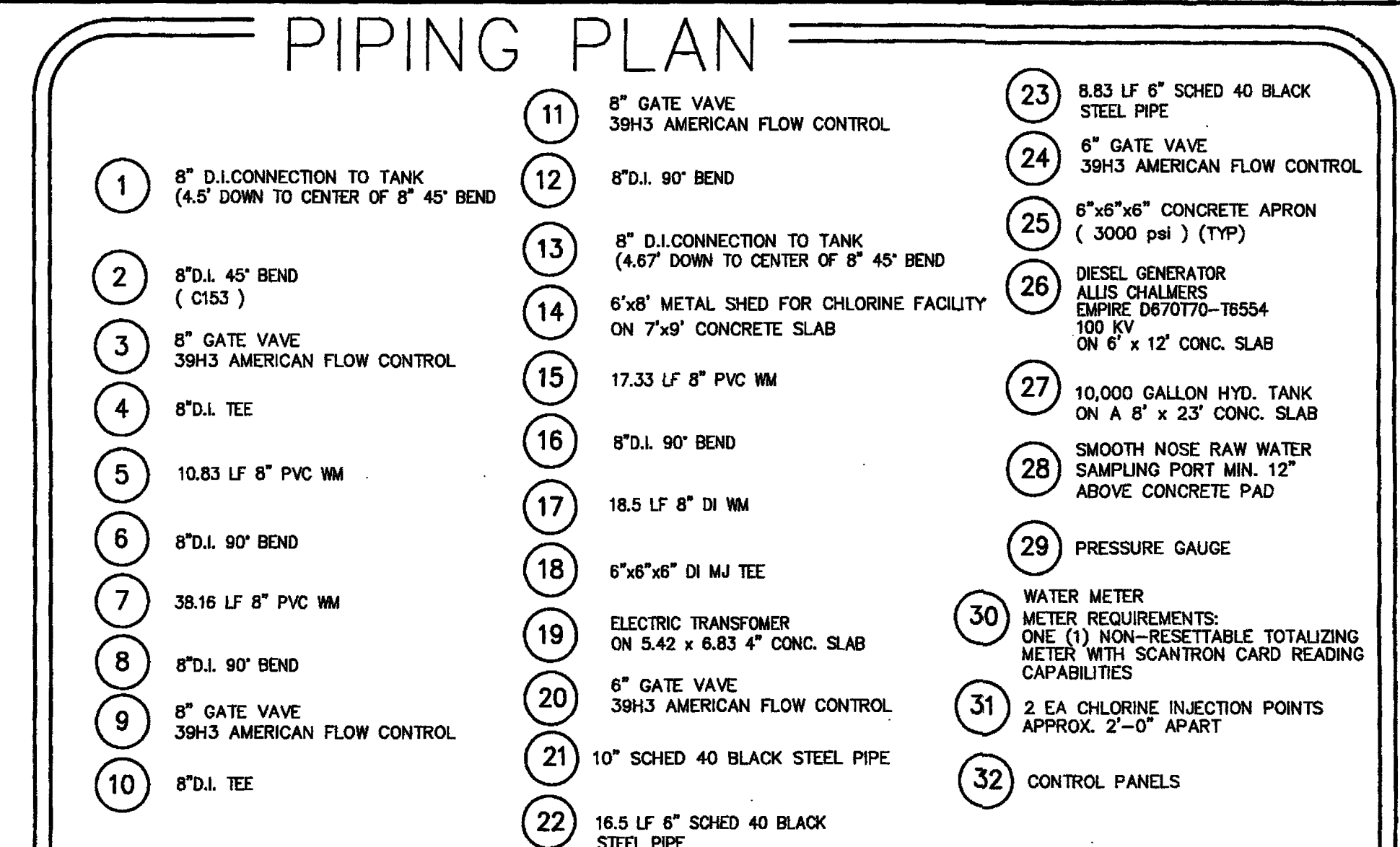
Beginning at the southeast corner of Section 6, Township 18S, Range 18E, Citrus County, Florida, thence running north, N00° 11' 11" W, a distance of 1334.94', thence S88° 59' 26"E a distance of 1358.22', thence N00° 26' 17"W a distance of 153.47' to a Point of Beginning. Thence running N89° 33' 43"E, a distance of 453.45' to a curve having a radius of 840', a chord bearing of N20° 48' 31" W and an arc length of 107.05', thence running S89° 33' 43" W, a distance of 480.69', thence running S00° 26' 17" E a distance of 100.25', to the Point of Beginning, containing 1.084 acres MOL.



**PUMP NOTE:**  
2-40HP SUBMERSIBLE PUMPS  
460V-FRANKLIN ELECTRIC MOTORS  
LOAD REQUIREMENTS 460 VOLTS, 3PH, POWER @ 75 KW



**HYDRO-TANK**  
6" THICK (3000 PSI)  
CONCRETE SLAB  
w/ #5 BARS @ 18" CTRS.  
BASE TO BE 12" THICK  
CRUSHED ROCK/2000PSF  
AND EXTENDED 12" BEYOND FOOTER



**ADP & ASSOCIATES, INC.**  
Engineers \* Planners \* Surveyors  
962 E. JEFFERSON STREET  
BROOKSVILLE, FL 34601  
(352) 799-1500  
(352) 799-1225

# CINNAMON RIDGE POTABLE WATER TREATMENT FACILITY

## SITE PLAN - PIPING PLAN

MARK	REVISIONS	DATE
1	ADDED PH2 PIPE TO DRA12	7-21-97

App.by	ADP
Des.by	JROS
Drw.by	JROS
Date	2-18-99
Scale	As Noted

Project Number:  
**95003**

ENGINEER OF RECORD  
Anthony D. Pedonesi, P.E.  
Registration No. 34653

SHEET NO.

2 OF 2

PLOT DATE: 2-18-99 FILENAME: H2OSITE



DESCRIPTION:  
Being a part of the following described Parent Tract.  
The Southeast 1/4 of the Southeast 1/4  
AND  
The West 1/2 of the Southeast 1/4  
AND  
The Southeast 1/4 of the Southwest 1/4  
All lying and being in Section 6, Township 19 South, Range 18 East, Citrus County, Florida.

Being more particularly described as follows:  
Commence at the Southeast corner of Section 6, Township 19 South, Range 18 East, Citrus County, Florida, run thence S 89°56'57"W along the South line of said Section 6, a distance of 1035.07 feet to the POINT OF BEGINNING; thence continuing along said South Section line, S 89°56'57"W, 3021.90 feet to the Southeast corner of CINNAMON RIDGE UNIT TWO as per plat thereof recorded in Plat Book 12, Page 55 of the Public Records of Citrus County, Florida; thence N 00°53'29"W along the East line of said Cinnamon Ridge Unit Two, a distance of 1330.69 feet to the Northwest corner of the SW 1/4 of the SW 1/4 of said Section 6; thence N 89°45'02"E along the North line of said SW 1/4 of the SW 1/4, a distance of 1357.25 feet to the Northeast corner of said SW 1/4 of the SW 1/4; thence S 00°41'39"E, 83.77 feet; thence S 23°26'08"E, 587.82 feet; thence N 66°33'52"E, 213.49 feet to the Western right-of-way line of a future 60 foot wide road; thence S 41°11'12"E along said future right-of-way, a distance of 40.86 feet; thence further along said future right-of-way, 18.69 feet along the arc of a curve concave Westerly having a radius of 25.00 feet and a central angle of 42°50'01"; thence continuing along said future right-of-way line, 115.92 feet along the arc of a curve concave Northeasterly having a radius of 50.00 feet and a central angle of 132°50'01"; thence S 41°11'12"E radial to the last aforementioned curve, a distance of 100.00 feet to the Western right-of-way line of a proposed 80 foot wide road; thence along said proposed right-of-way line, 1008.33 feet along the arc of a curve concave Westerly having a radius of 760.00 feet and a central angle of 76°01'02"; thence Due East 594.28 feet to the East line of the NW 1/4 of the SE 1/4 of said Section 6; thence S 00°26'17"E along said East line of the NW 1/4 of the SE 1/4, a distance of 100.29 feet; thence Due West, 468.15 feet to the Easterly right-of-way line of a proposed 80 foot wide road; thence along said Easterly right-of-way line, 273.00 feet along the arc of a curve concave Westerly having a radius of 840.00 feet and a central angle of 18°37'17"; thence 39.93 feet along the arc of a curve concave Northeasterly having a radius of 25.00 feet and a central angle of 91°20'36" to the North right-of-way line of a proposed 60 foot road; thence Due East along said North right-of-way line, a distance of 549.77 feet; thence leaving said proposed 60 foot road, Due South, 205.00 feet; thence Due East, 25.00 feet; thence Due South, 267.94 feet; thence 339.94 feet along the arc of a curve concave Westerly having a radius of 600.00 feet and a central angle of 32°27'43"; thence S 35°19'40"W, 30.00 feet to the center-line of a proposed 60 foot wide road; thence S 54°40'20"E along said center-line, 7.75 feet; thence S 35°19'40"W, 175.00 feet; thence S 54°40'20"E, 68.00 feet; thence 308.54 feet along the arc of a curve concave Northerly having a radius of 400.00 feet and a central angle of 44°11'44"; thence S 08°52'04"E radial to last aforesaid curve, a distance of 114.57 feet to the POINT OF BEGINNING.

Containing 84.988 acres more or less.

LINE TABLE			
NUMBER	BEARING		DISTANCE
L1	S 87° 06' 23" W		8.21'
L2	S 87° 06' 23" W		37.31'
L3	S 54° 40' 20" E		7.75'
L4	S 41° 11' 12" E		60.00'
L5	S 41° 11' 12" E		40.88'
L6	N 89° 45' 02" E		10.00'

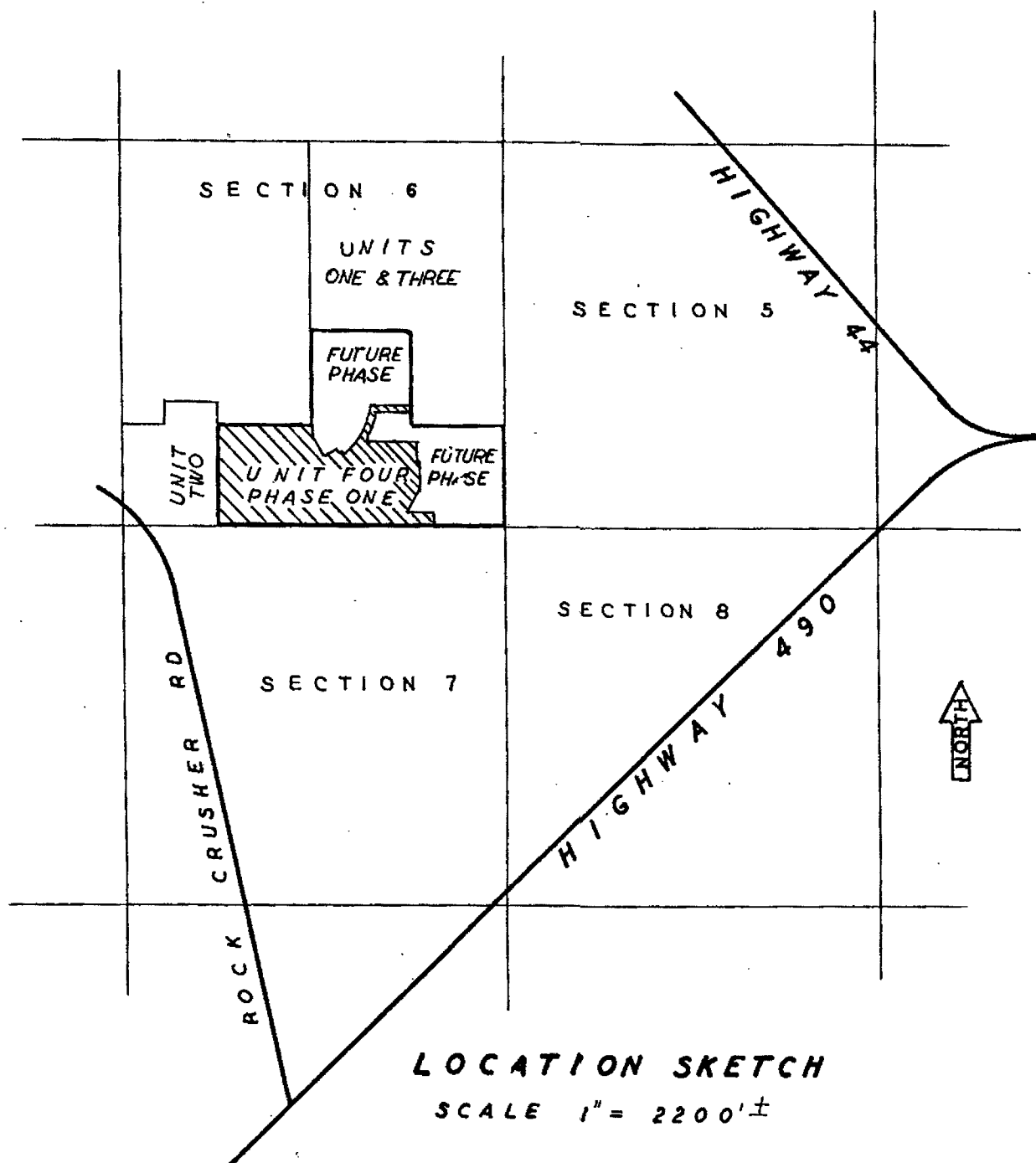
CURVE TABLE

NUMBER	R =	ARC =	DELTA =
C1	400.00	240.00	34°22'38"
C2	400.00	120.00	17°11'19"
C3	400.00	120.00	17°11'19"
C4	255.00	89.35	15°34'58"
C5	255.00	81.52	18°18'58"
C6	255.00	76.50	17°11'19"
C7	255.00	76.50	17°11'19"
C8	255.00	89.20	20°02'33"
C9	25.00	38.28	87°40'37"
C10	25.00	40.71	93°17'58"
C11	195.00	295.50	86°49'31"
C12	195.00	68.00	19°58'48"
C13	195.00	227.50	66°50'43"
C14	25.00	38.27	90°00'00"
C15	25.00	39.52	90°34'44"
C16	780.00	185.97	12°30'45"
C17	780.00	197.11	14°51'37"
C18	780.00	27.97	02°08'30"
C19	840.00	139.52	08°30'58"
C20	840.00	285.80	20°01'35"
C21	345.00	36.88	06°07'18"
C22	345.00	140.00	23°15'02"
C23	345.00	140.00	23°15'02"
C24	345.00	140.00	23°15'02"
C25	345.00	80.00	13°17'10"
C26	200.00	311.23	86°09'54"
C27	200.00	21.37	06°07'18"
C28	200.00	81.18	23°15'02"
C29	200.00	81.18	23°15'02"
C30	200.00	81.18	23°15'02"
C31	200.00	48.38	13°17'10"
C32	405.00	100.00	14°08'50"
C33	405.00	100.00	14°08'50"
C34	405.00	100.00	14°08'50"
C35	405.00	100.00	14°08'50"
C36	405.00	100.00	14°08'50"
C37	405.00	100.00	14°08'50"
C38	405.00	15.07	02°07'55"
C39	25.00	39.27	90°00'00"
C40	25.00	39.27	90°00'00"
C41	50.00	231.84	28°40'00"
C42	25.00	18.89	42°50'00"
C43	25.00	18.89	42°50'00"
C44	50.00	2.20	02°31'03"
C45	50.00	75.89	86°43'51"

NUMBER	R =	ARC =	DELTA =
C46	50.00	28.33	32°27'35"
C47	50.00	52.36	60°00'00"
C48	50.00	71.07	81°26'28"
C49	50.00	2.20	02°31'03"
C50	695.00	277.08	22°50'34"
C51	725.00	288.04	22°50'34"
C52	725.00	301.00	22°50'34"
C53	725.00	100.38	07°38'57"
C54	725.00	100.00	07°35'20"
C55	725.00	100.65	07°38'17"
C56	695.00	55.43	04°34'10"
C57	695.00	126.38	10°25'03"
C58	695.00	95.29	07°51'21"
C59	425.00	235.72	31°48'43"
C60	425.00	282.05	35°19'40"
C61	455.00	200.11	25°11'56"
C62	455.00	82.89	07°55'12"
C63	455.00	103.48	13°01'51"
C64	455.00	33.73	04°14'53"
C65	25.00	36.40	83°25'13"
C66	25.00	36.40	83°25'14"
C67	395.00	11.50	01°40'07"
C68	395.00	140.00	20°18'27"
C69	395.00	135.00	19°34'56"
C70	395.00	125.00	18°07'54"
C71	395.00	51.13	07°24'58"
C72	550.00	219.27	22°50'34"
C73	550.00	43.88	04°34'10"
C74	550.00	100.00	10°25'03"
C75	550.00	75.41	07°51'21"
C76	455.00	228.30	28°44'54"
C77	250.00	292.81	67°08'23"
C78	250.00	7.28	01°40'07"
C79	250.00	88.64	20°18'27"
C80	250.00	85.44	19°34'58"
C81	250.00	78.11	18°07'54"
C82	250.00	32.36	07°24'58"
C83	25.00	39.27	90°00'00"
C84	25.00	39.27	90°00'00"
C85	25.00	35.42	81°10'08"
C86	25.00	39.93	91°30'36"
C87	25.00	36.49	88°13'20"
C88	25.00	43.81	100°24'34"
C89	840.00	127.50	08°41'00"
C90	840.00	331.61	28°42'41"

NUMBER	R =	ARC =	DELTA =
C91	840.00	419.19	28°35'33"
C92	840.00	102.96	07°01'22"
C93	840.00	100.74	06°52'17"
C94	840.00	100.06	06°48'30"
C95	840.00	100.82	06°52'36"
C96	840.00	274.85	18°45'16"
C97	25.00	32.66	74°50'59"
C98	25.00	49.86	114°16'08"
C99	255.00	297.38	86°48'50"
C100	255.00	79.14	17°46'51"
C101	255.00	80.86	18°10'05"
C102	255.00	84.50	18°59'10"
C103	255.00	52.87	11°52'44"
C104	225.00	262.38	66°48'50"
C105	225.00	127.98	32°35'25"
C106	225.00	134.40	34°13'25"
C107	195.00	52.23	16°20'49"
C108	25.00	47.51	108°52'35"
C109	25.00	47.51	108°52'41"
C110	195.00	46.87	13°42'44"
C111	25.00	18.69	42°50'01"
C112	25.00	18.69	42°50'00"
C113	50.00	231.84	28°40'00"
C114	50.00	45.75	52°25'28"
C115	50.00	48.20	52°58'08"
C116	50.00	40.97	48°57'10"
C117	50.00	50.65	58°02'41"
C118	50.00	-8.27	55°18'35"
C119	455.00	95.94	12°04'51"
C120	455.00	100.00	12°35'33"
C121	455.00	32.36	04°04'30"
C122	800.00	42.87	04°04'30"
C123	800.00	131.87	12°35'33"
C124	800.00	163.40	15°47'40"
C125	800.00	339.94	32°27'43"
C126	840.00	380.34	25°56'33"
C127	840.00	273.00	18°37'17"
C128	840.00	107.33	07°19'18"
C129	50.00	115.92	132°50'01"
C130	25.00	18.69	42°50'01"
C131	405.00	15.16	02°08'39"
C132	550.00	543.21	56°35'20"
C133	550.00	135.80	14°08'50"
C134	550.00	135.80	14°08'50"
C135	550.00	135.80	14°08'50"
C136	550.00	135.80	14°08'50"

CINNAMON RIDGE  
UNIT FOUR PHASE ONE  
LYING IN  
SEC 6, TWP 19S, RNG 18E, CITRUS COUNTY, FLORIDA



ABSTRACTOR'S CERTIFICATE

I hereby certify that Gulf Highway Land Corporation is the record owner of the lands hereby platted, that there are no delinquent taxes on such lands, that record title to all access roads is held by Citrus County, the State of Florida or Cinnamon Ridge Property Owners Association, and that there are no mortgage holders of record concerning this property other than as shown.  
Dated at Citrus County, Florida, this 16 day of Sept, 1997

CRYSTAL RIVER TITLE COMPANY

BY: David C. Roberts, President

APPROVAL OF COUNTY OFFICIALS

BY: \_\_\_\_\_ COUNTY ENGINEER

BY: \_\_\_\_\_ DIRECTOR OF PUBLIC WORKS

BY: \_\_\_\_\_ DIRECTOR OF ENVIRONMENTAL HEALTH

BY: \_\_\_\_\_ DIRECTOR OF PLANNING

APPROVAL AS TO FORM AND SUBSTANCE

BY: \_\_\_\_\_ COUNTY ATTORNEY

COUNTY COMMISSIONER'S APPROVAL

The Board of County Commissioners of Citrus County, Florida does hereby approve this plat for recording in the Public Records and accepts the foregoing dedication.

ATTEST

Clerk of the Circuit Court

BY: \_\_\_\_\_

Board Chairman

CLERK'S ACCEPTANCE

I hereby certify that the attached plat conforms with the provisions of Chapter 177 of the Florida Statutes, and that said plat was filed for record in Plat Book \_\_\_\_\_ at Pages \_\_\_\_\_ of the Public Records of Citrus County, Florida, at \_\_\_\_\_ on \_\_\_\_\_ 1997 file # \_\_\_\_\_

BY: \_\_\_\_\_

Clerk of the Circuit Court

NOTES

- There may be additional restrictions that are not shown on this plat that may be found in the Public Records of Citrus County.
- Bearings are based on the South line of Section 6, Township 19 South, Range 18 East, Citrus County, Florida being S 89°56'57"W.
- Subject property is located in Flood Zone "C" according to the Flood Insurance Rate Map panel number 120063 0210 B dated August 15, 1984.
- All streets, easements and drainage retention areas are to be dedicated to Citrus County.
- A total of 111 lots are proposed on this plat.
- All lots to be served by a private water supply system and individual septic systems.
- The lots and facilities described on this plat are in conformance with the Development of Regional Impact Order, known as the "Rock Crusher Road DRI".
- WITHLACOCHEE RIVER ELECTRIC COOPERATIVE (WREC) WILL HAVE EASEMENTS IN ALL COMMON AREAS OF THREE (3) FT EITHER SIDE OF THE CENTERLINE OF ALL BURIED ELECTRICAL FACILITIES.

DEDICATION:

Know all men by these presents, that GULF HIGHWAY LAND CORPORATION, a Florida corporation, being the owner in fee simple of the lands in the attached plat entitled CINNAMON RIDGE, UNIT FOUR, PHASE ONE, located in Citrus County, Florida, does hereby dedicate said lands and plat for the uses and purposes therein expressed and dedicates the road rights-of-way and easements, together with all improvements thereon, to Citrus County, Florida, for public use. Reserving unto themselves, their successors or assigns, the reversion or reversions thereof whenever discontinued by law.

In witness whereof, Gulf Highway Land Corporation has caused these presents to be signed and attested to by the officers named below and its corporate seal to be affixed hereto on this 4<sup>th</sup> day of September, 1997

ATTEST:

GULF HIGHWAY LAND CORPORATION:

BY: Winston Patton  
Printed Name  
Winston Patton  
Printed Name

BY: James N. Paxton  
Printed Name  
James N. Paxton  
Printed Name  
Virginia W. Piper  
Printed Name  
Virginia W. Piper  
Printed Name

BY: Sharon E. Pedonesi  
Printed Name  
Sharon E. Pedonesi  
Printed Name

STATE OF FLORIDA  
COUNTY OF CITRUS

The foregoing instrument was acknowledged before me this 4<sup>th</sup> day of Sept, 1997 by James N. Paxton as president and Virginia W. Piper as secretary of Gulf Highway Land Corporation, a Florida Corporation, on behalf of said Corporation. They are personally known to me or have produced me as identification and did not take an oath.

BY: Anthony D. Pedonesi  
Printed Name  
Anthony D. Pedonesi  
Printed Name  
NOTARY PUBLIC  
FLORIDA CERTIFICATE # 00456907

SURVEYORS CERTIFICATE

I hereby certify that this plat of CINNAMON RIDGE UNIT FOUR PHASE ONE, is a true and correct representation of the lands as recently surveyed and platted under my direction, that the permanent reference monuments as shown thereon were in place on the 4<sup>th</sup> day of September, 1997, and that this plat complies with the requirements of Chapter 177, Florida Statutes.

GLOBAL SURVEYS, INC.  
BY: Donald C. Barbee  
Printed Name  
Donald C. Barbee  
Printed Name  
Professional Land Surveyor #4882

ENGINEERS CERTIFICATE

I, the undersigned Professional Engineer, hereby certify that the road and drainage design and construction necessary for this development are in accordance with the Citrus County specifications and good engineering practices.

ADP & ASSOCIATES  
BY: Anthony D. Pedonesi, P.E.  
Printed Name  
Anthony D. Pedonesi, P.E.  
Printed Name  
Registration # 34653

NationsBank, N.A. - Mortgagee

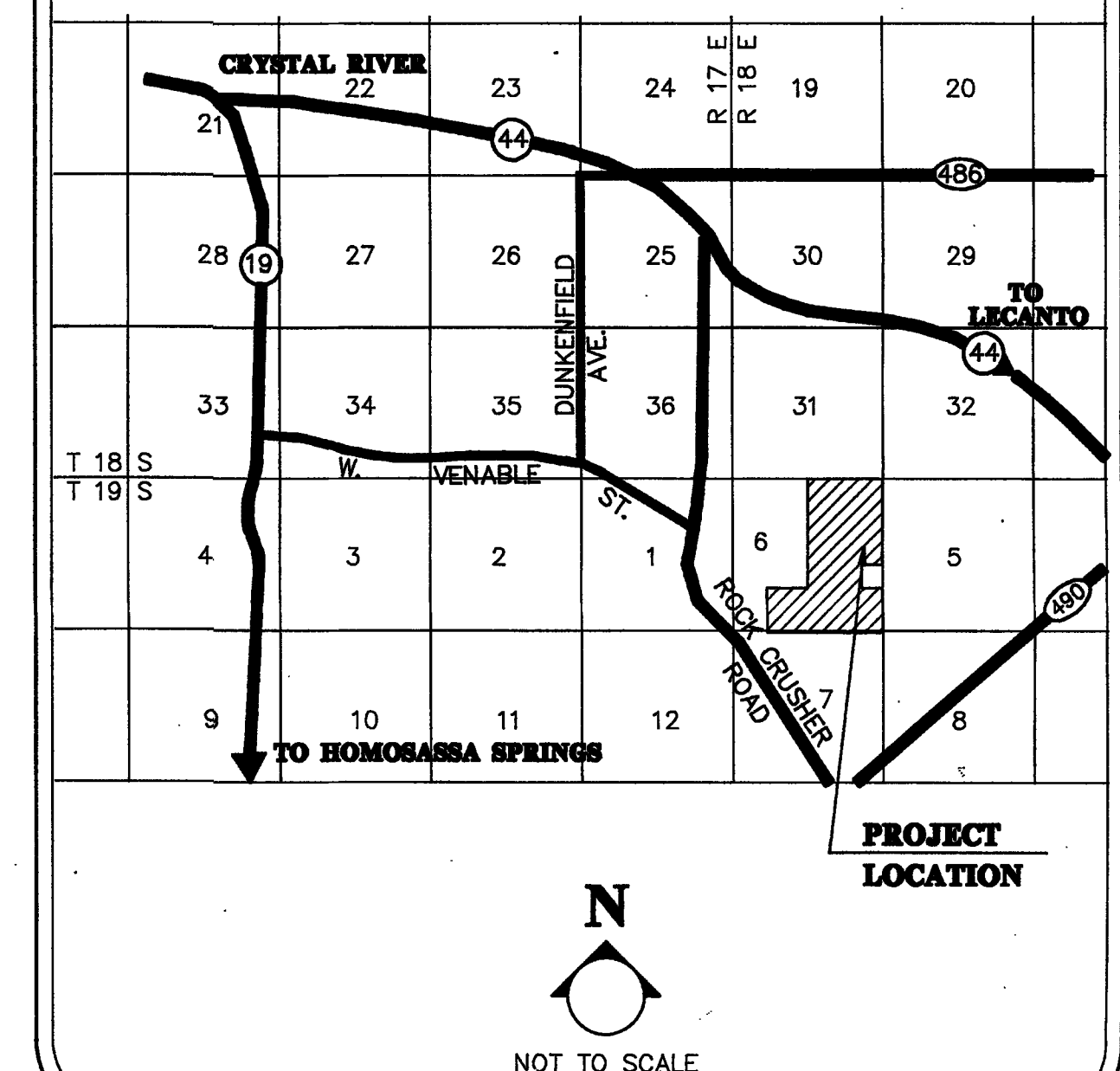
BY: Dean W. Kuna  
Printed Name  
Dean W. Kuna  
Printed Name  
Dean W. Kuna, Senior Vice President

ADP & ASSOCIATES, INC.  
Engineers • Planners • Surveyors  
962 E. JEFFERSON ST.  
BROOKSVILLE, FL 34601  
(352) 799-1500

# CONSTRUCTION PLANS FOR CINNAMON RIDGE POTABLE WATER TREATMENT FACILITY

**SEC. 6, TWP. 19S., RGE. 18E.**  
CITRUS COUNTY, FLORIDA

## VICINITY MAP



## INDEX

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	SITE PLAN
3	WELL HEAD AND PIPING PLAN

PREPARED BY:

**A  
D  
P** & ASSOCIATES  
ENGINEERS  
SURVEYORS  
PLANNERS

962 EAST JEFFERSON ST. BROOKSVILLE, FL 34601 (352) 799-1600 FAX: (352) 799-1225

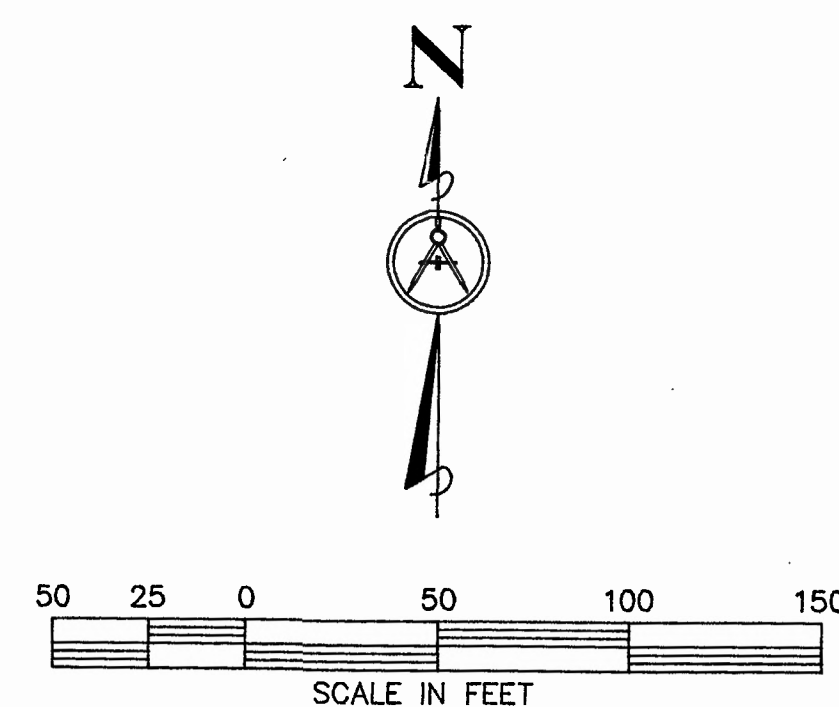
I HEREBY CERTIFY THAT THE PROPOSED  
IMPROVEMENTS AS SHOWN ON THESE PLANS  
WILL BE DESIGNED IN ACCORDANCE WITH  
THE CITRUS COUNTY LAND  
DEVELOPMENT CODE

Anthony D. Pedonesi, P.E.  
REGISTERED ENGINEER NO. 34653  
STATE OF FLORIDA  
DATE: \_\_\_\_\_

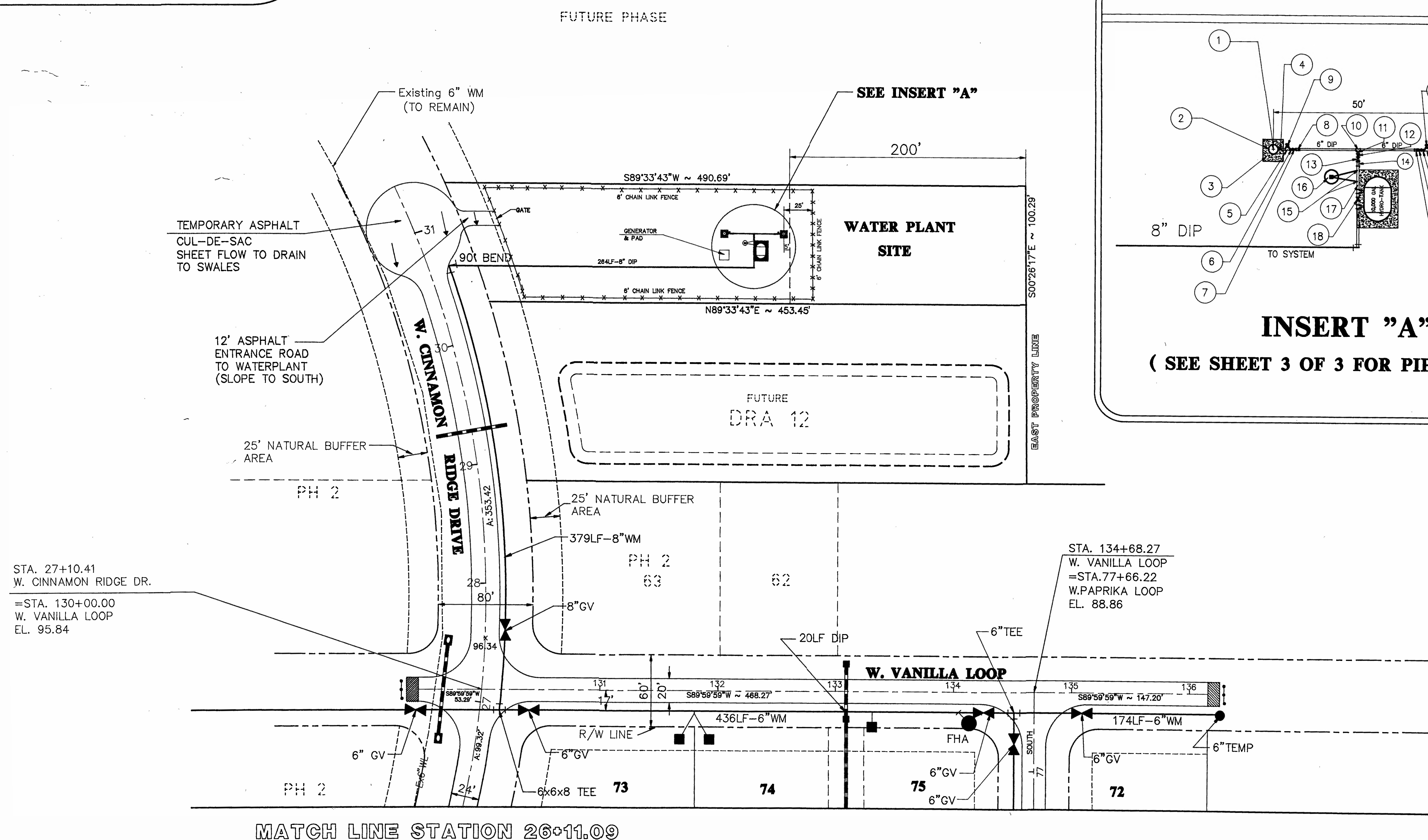
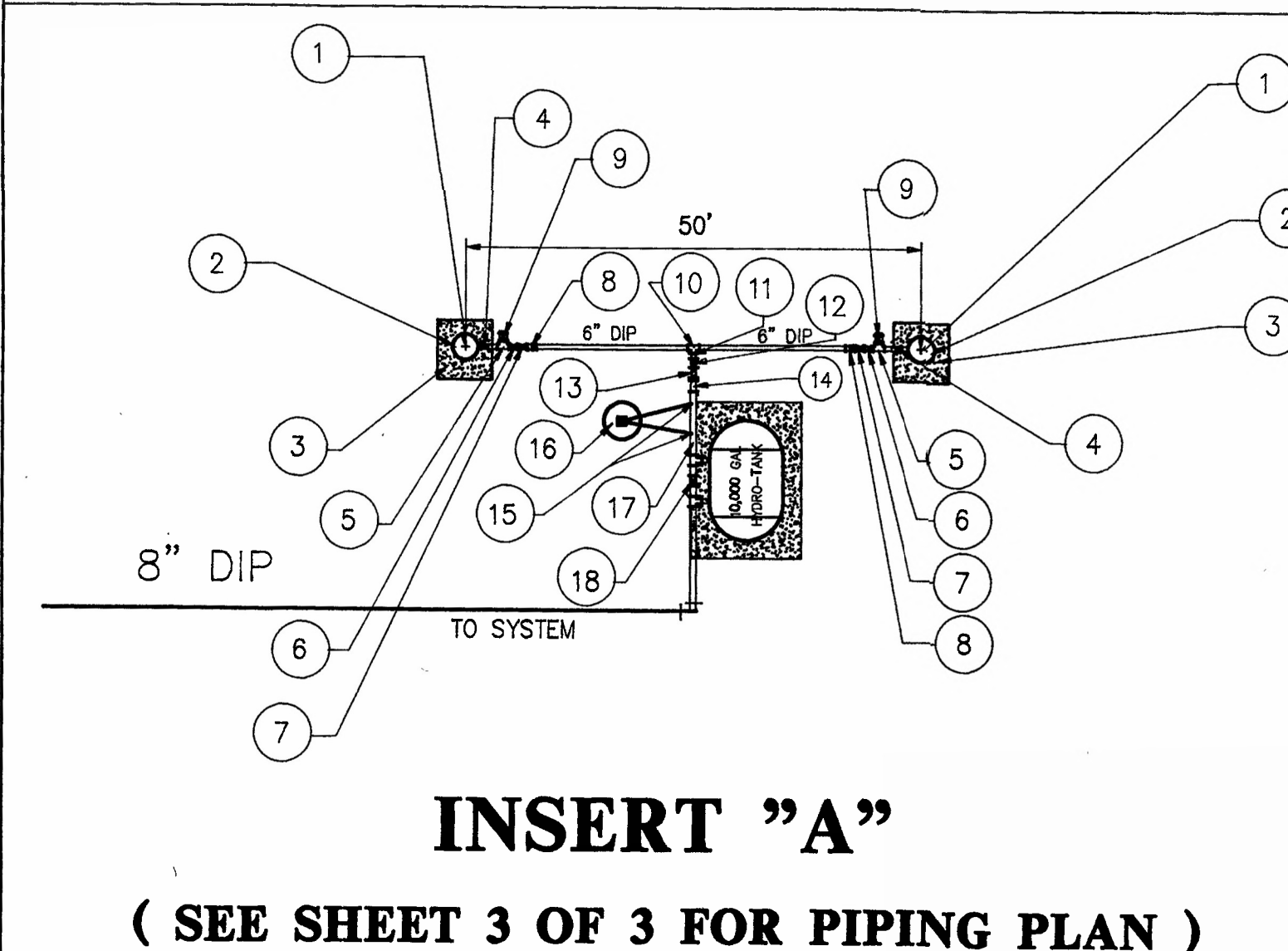
OCTOBER, 1997



Beginning at the southeast corner of Section 6, Township 19S, Range 18E, Citrus County, Florida, thence running north, N00° 11' 11" W, a distance of 1334.94', thence S88° 59' 26"E a distance of 1358.22', thence N00° 26' 17"W a distance of 153.47' to a Point of Beginning. Thence running N89° 33' 43" E, a distance of 453.45' to a curve having a radius of 840', a chord bearing of N20° 48' 31" W and an arc length of 107.05', thence running S89° 33' 43" W, a distance of 490.69', thence running S00° 26' 17" E a distance of 100.29', to the Point of Beginning, containing 1.084 acres MOL.



1	DOWN/ANGLED-SMOOTH NOSE RAW WATER SAMPLING PORT-12" MIN ABOVE CONC. SLAB	11	(2) 45° EL. OUT OF GROUND
2	10" WELL 500 GAL./MIN. MINIMUM SEE CURVE	12	6" GV
3	6"x 6" --- 6" THICK CONCRETE APRON (3000 PSI)	13	6" WATER SPECIALTIES METER
4	PRESSURE GAUGE	14	6"x8" INCREASER
5	6"x4"x6" TEE	15	2-POINTS OF CL.
6	6" C.V.	16	CHLORINATION W/ENCLOSURE
7	6" G.V.	17	6" DIP
8	(2) 6" 45° EL.	18	6" BY-PASS GV
9	6" G.V. FOR FLUSHING		
10	6"x6"x6" TEE		



**Engineers • Planners • Surveyors**  
**& ASSOCIATES, INC.**  
 982 E. JEFFERSON STREET  
 BROOKSVILLE, FL 34601  
 (352) 799-1500  
 (352) 799-1225

# CINNAMON RIDGE POTABLE WATER TREATMENT FACILITY

1	ADDED PH2 PIPE TO DRA12	7-21
MARK	REVISIONS	DATE

App.by	ADP
Des.by	JIROS
Drw.by	JIROS
Date	10-15-97
Scale	As Noted

Score	As Noted
<b>Project Number:</b>	
95003	

**ENGINEER OF RECORD**  
Anthony D. Pedonesi, P.E.  
Registration No. 34653

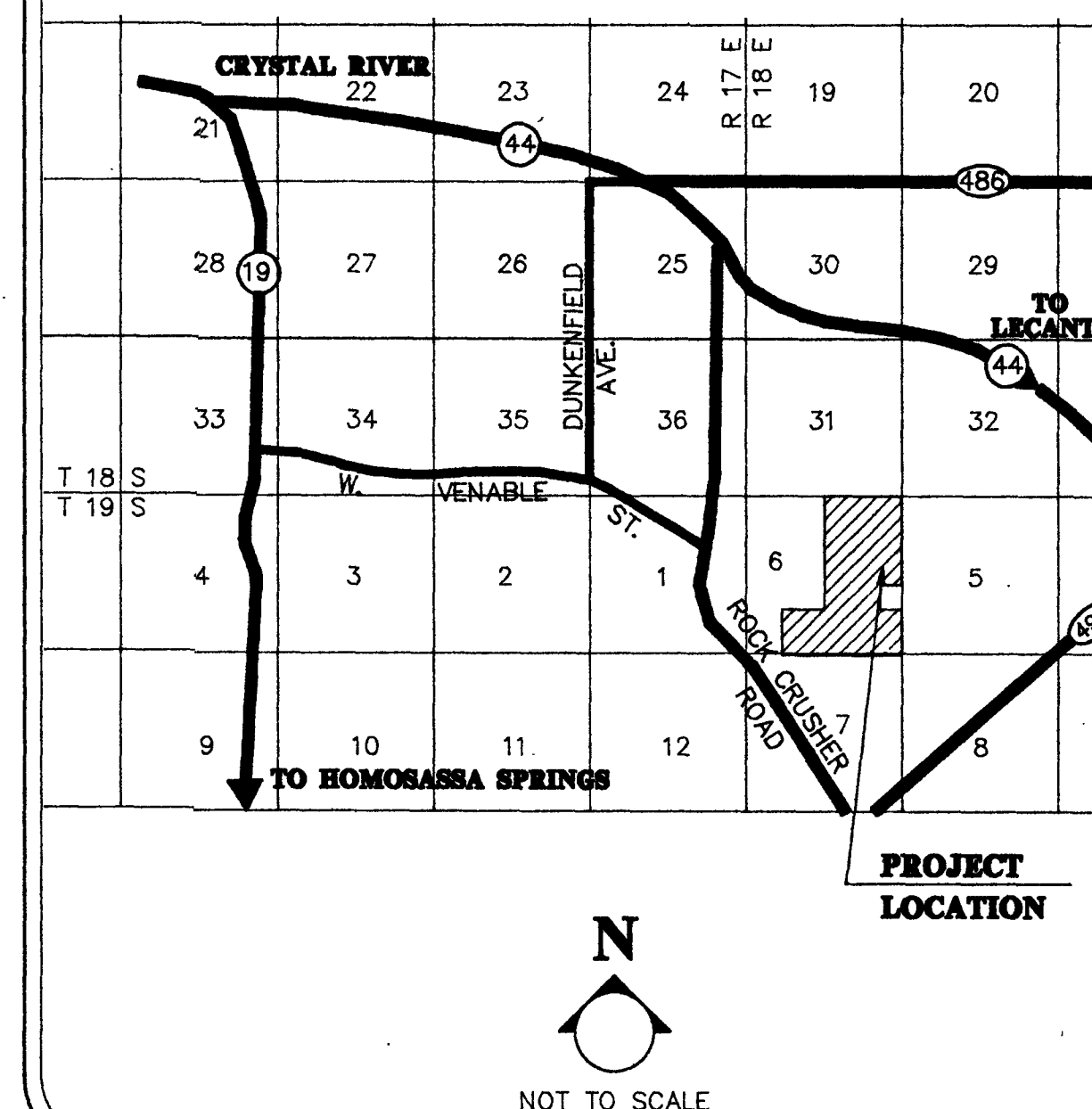
**SHEET NO.**

2 OF 3

# CONSTRUCTION PLANS FOR CINNAMON RIDGE POTABLE WATER TREATMENT FACILITY

**SEC. 6, TWP. 19S., RGE. 18E.**  
CITRUS COUNTY, FLORIDA

## VICINITY MAP



## INDEX

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	SITE PLAN
3	WELL HEAD AND PIPING PLAN

PREPARED BY:

**A  
D  
P** & ASSOCIATES  
ENGINEERS  
SURVEYORS  
PLANNERS

962 EAST JEFFERSON ST. BROOKSVILLE, FL 34601 (352) 799-1600 FAX: (352) 799-1225

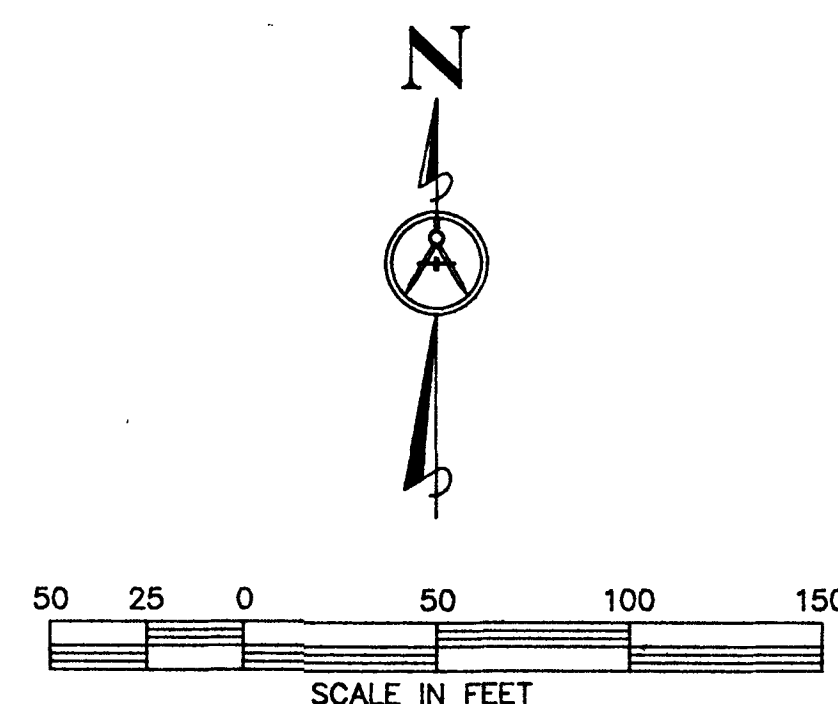
I HEREBY CERTIFY THAT THE PROPOSED  
IMPROVEMENTS AS SHOWN ON THESE PLANS  
WILL BE DESIGNED IN ACCORDANCE WITH  
THE CITRUS COUNTY LAND  
DEVELOPMENT CODE

Anthony D. Pedonesi, P.E.  
REGISTERED ENGINEER NO. 34653  
STATE OF FLORIDA  
DATE: \_\_\_\_\_

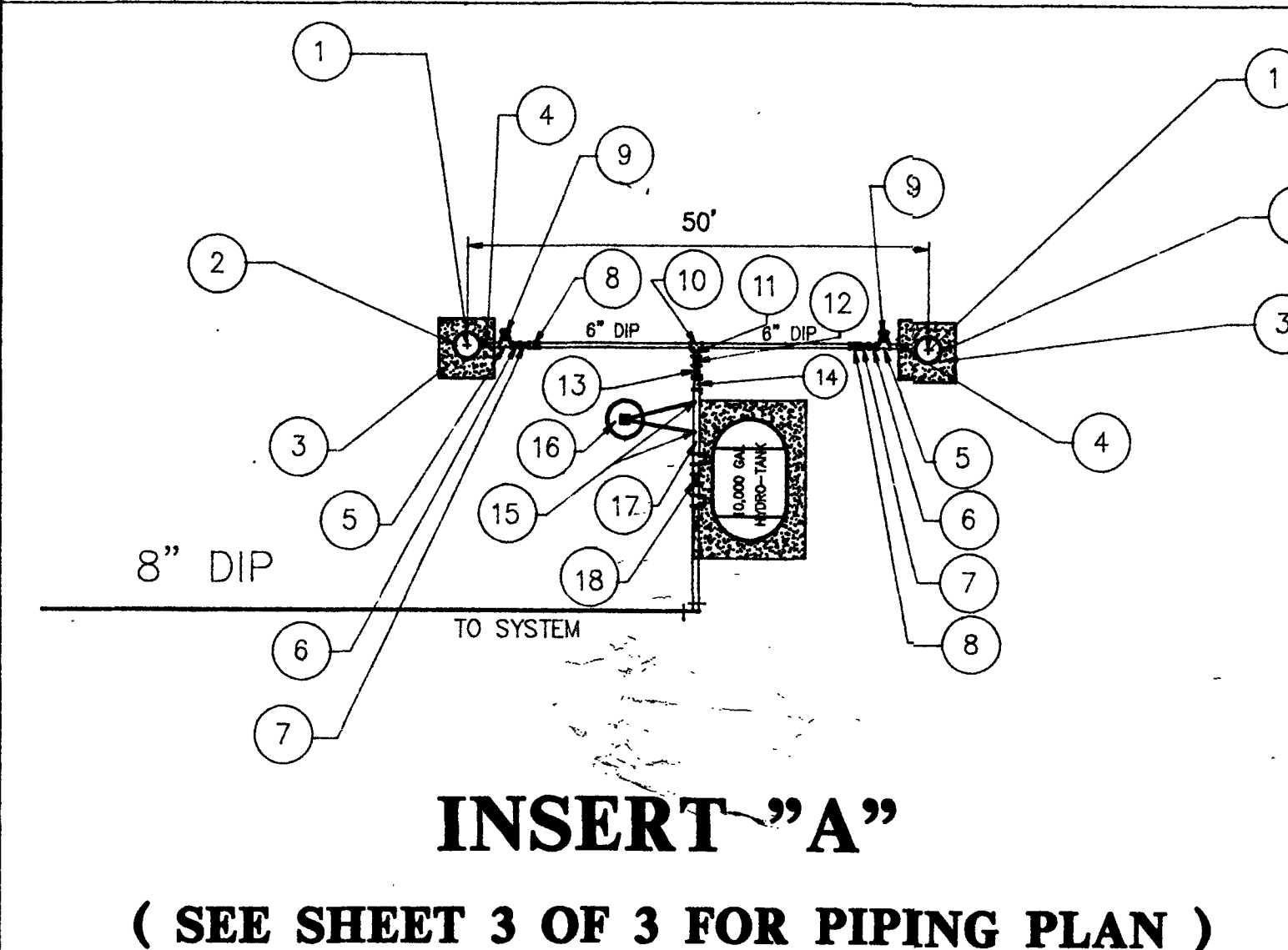
OCTOBER, 1997



Beginning at the southeast corner of Section 6, Township 19S, Range 18E, Citrus County, Florida, thence running north, N00° 11' 11" W, a distance of 1334.94', thence S88° 59' 26"E a distance of 1358.22', thence N00° 26' 17"W a distance of 153.47' to a Point of Beginning. Thence running N89° 33' 43" E, a distance of 453.45' to a curve having a radius of 840', a chord bearing of N20° 48' 31" W and an arc length of 107.05', thence running S89° 33' 43" W, a distance of 490.69', thence running S00° 26' 17" E a distance of 100.29', to the Point of Beginning, containing 1.084 acres MOL.



1	DOWN-ANGLED-SMOOTH NOSE RAW WATER SAMPLING PORT-MAN 12" ABOVE CONC SLAB	11	(2) 45° EL. OUT OF GROUND
2	10" WELL 500 GAL./MIN. MINIMUM SEE CURVE	12	6" GV
3	6" 6" - 6" THICK CONCRETE APRON (3000 PSI)	13	6" WATER SPECIALTIES METER
4	PRESSURE GAUGE ..	14	6"x8" INCREASER
5	6"x4"x6" TEE	15	2'-POINTS OF
6	6" C.V.	16	CHLORINATION W/ENCL. CLUSURE
7	6" G.V.	17	8" DIP
8	(2) 6" 45° EL.	18	8" BY-PASS GV
9	4" G.V. FOR FLUSHING		
10	6"x8"x8" TEE		



# CINNAMON RIDGE POTABLE WATER TREATMENT FACILITY

1	ADDED PH2 PIPE TO DRA12	7-21-97
MARK	REVISIONS	DATE

App.by	ADP
Des.by	JIROS
Drw.by	JIROS
Date	10-15-97
Scale	As Noted

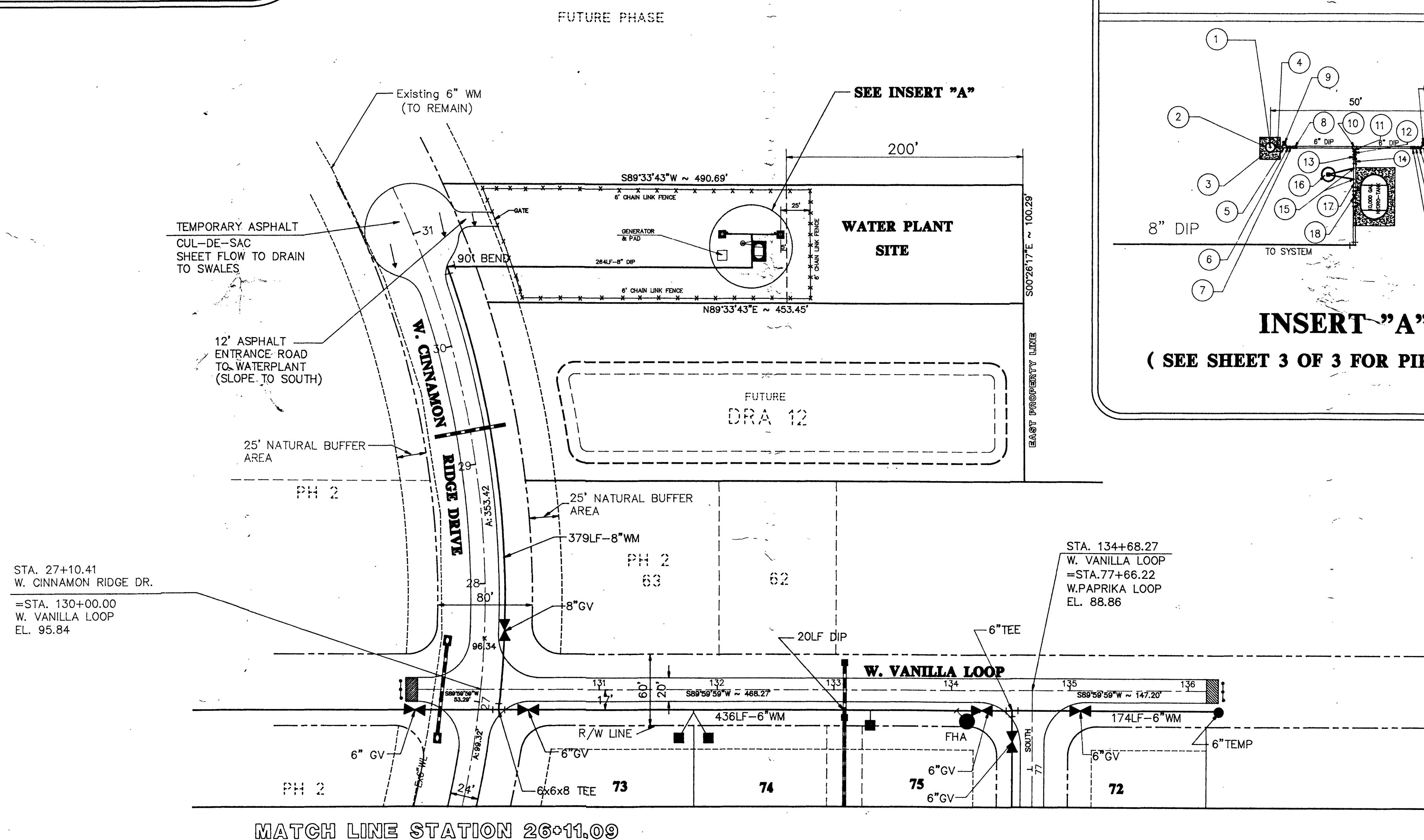
Scale	As Noted
Project Number:	
95003	

**ENGINEER OF RECORD**  
Anthony D. Pedonesi, P.E.  
Registration No. 34653

**SHEET NO.**

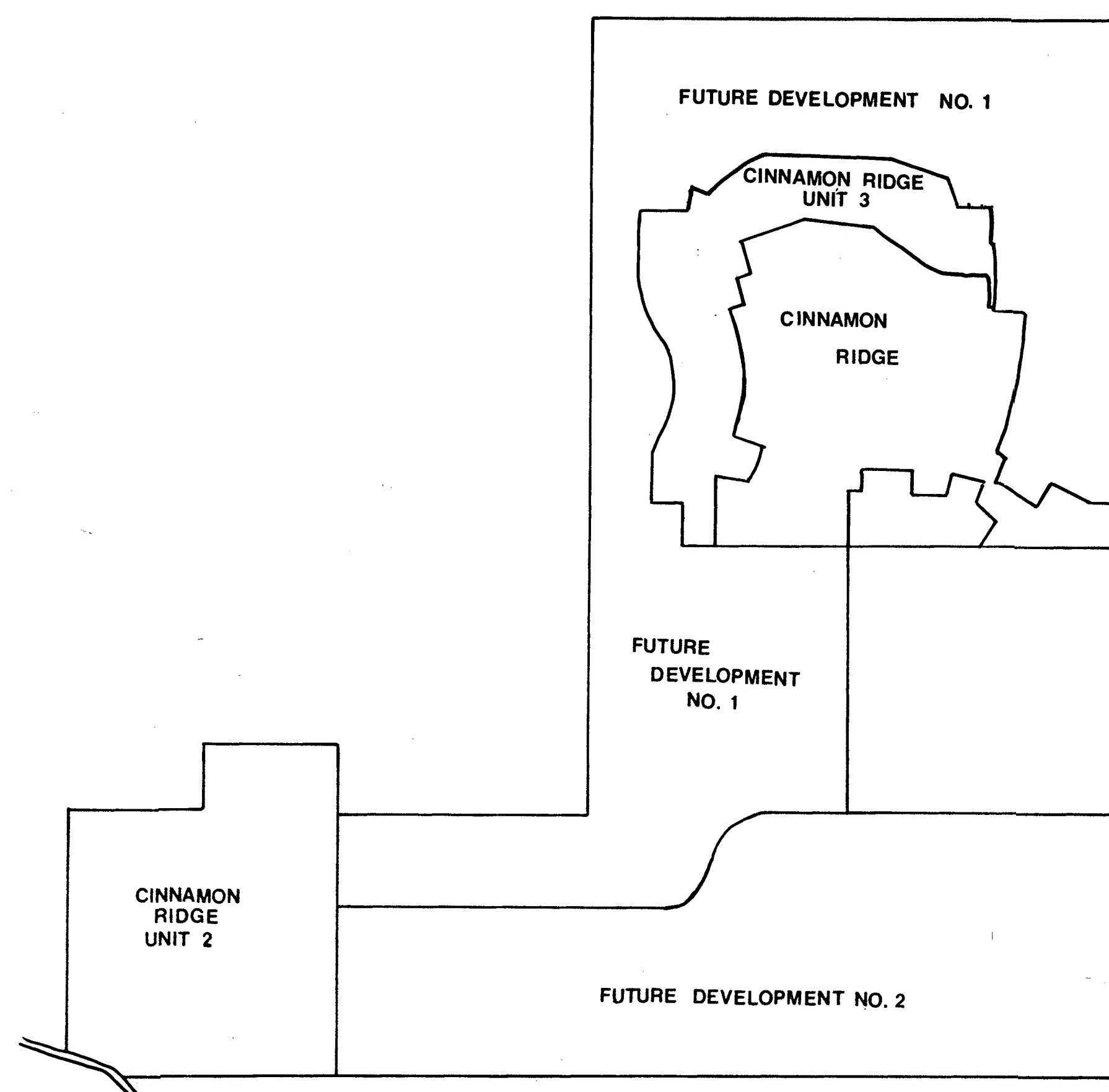
2 OF 3

PLOT DATE: 10-15-97 FILENAME: H2OSITE

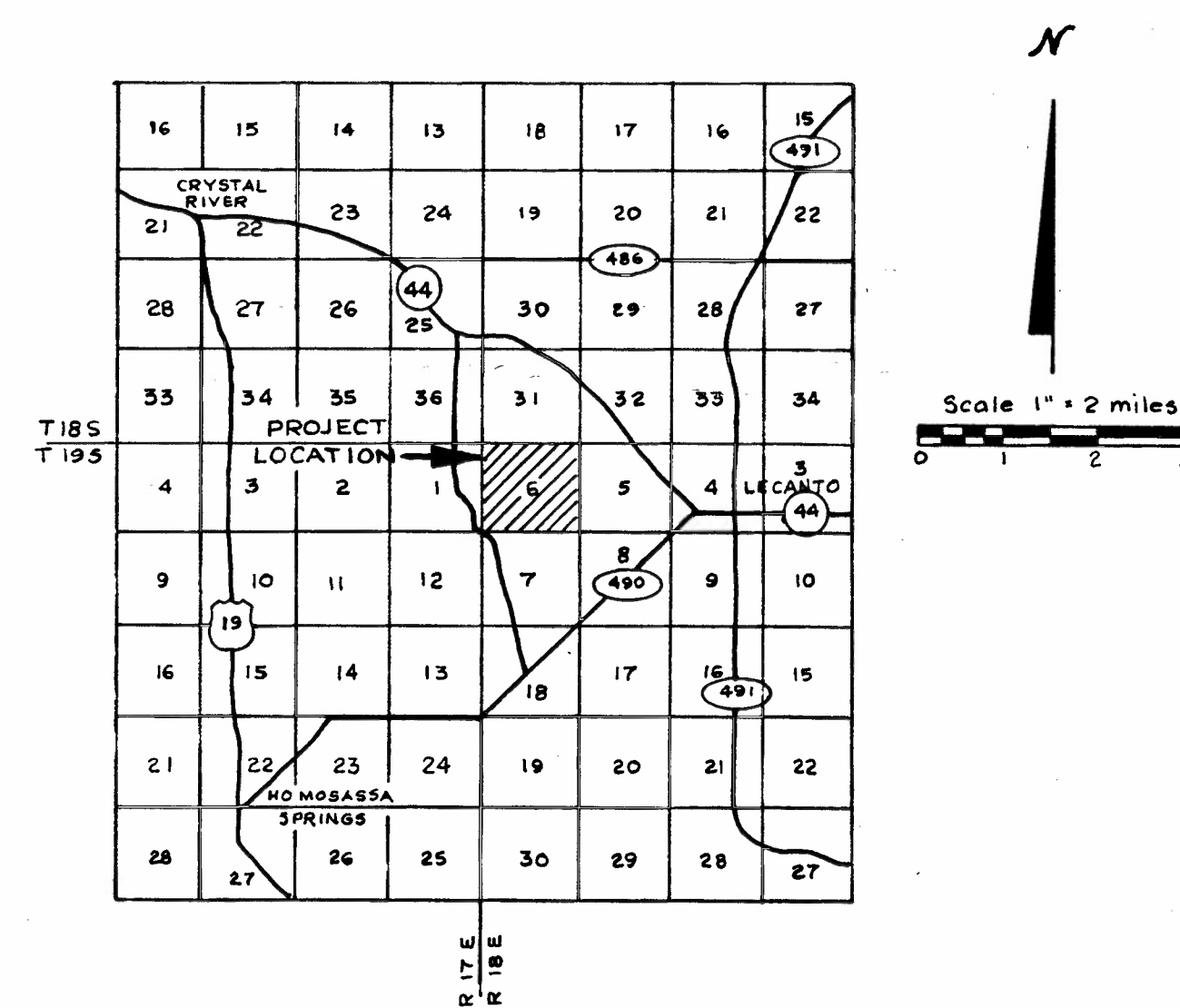


3 OF 3





**SERVICE DISTRICT**

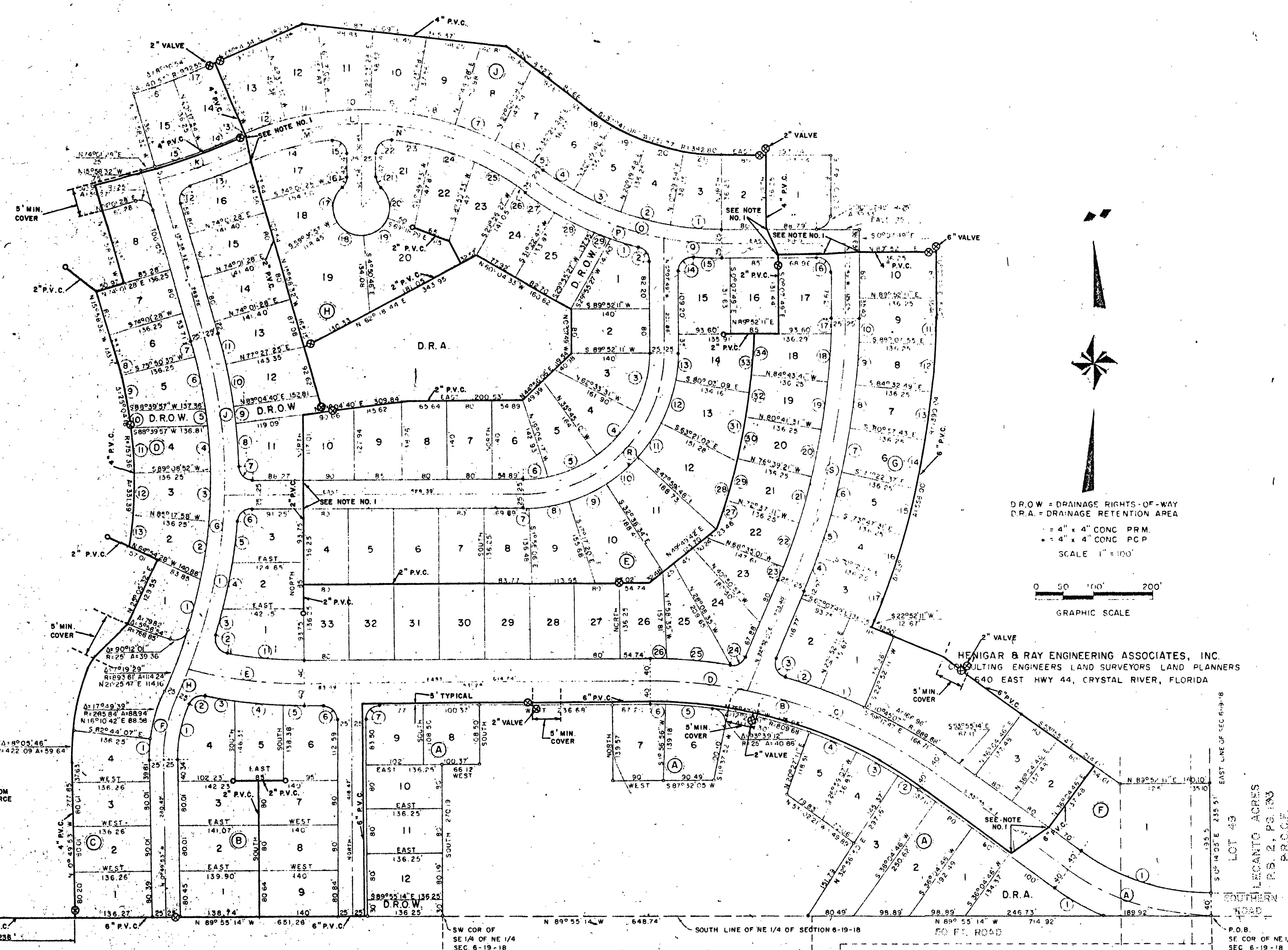


**LOCATION MAP**

# **Cinnamon Ridge Water Utility System** for **Cinnamon Ridge Utilities, Inc. Citrus County, Florida**

**Engineering-Surveying  
Unlimited, Inc.  
221 W. Main Street  
Inverness Florida 32650  
(904) 637-4111**





- NOTES:
1. JOIN EXISTING 6" P.V.C. WATER MAIN PREVIOUSLY INSTALLED AT STREET CROSSINGS CALLED OUT ON THE PLANS.
  2. MINIMUM COVER SHALL BE 30" EXCEPT WHERE 5' COVER IS CALLED OUT ON THE PLANS.
  3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE ACCOMPANYING SPECIFICATIONS.
  4. SERVICE TAPS NOT INCLUDED IN WATER MAIN CONSTRUCTION CONTRACT. THEY WILL BE THE RESPONSIBILITY OF THE LOT OWNERS AT TIME OF OCCUPANCY.
  5. 7.5' UTILITY EASEMENTS ARE PROVIDED ON EACH LOT AT REAR AND SIDE LOT LINES.

- LEGEND:
- ⊗ DENOTES GATE VALVE & BOX
  - ⊙ DENOTES BLOW-OFF ASSEMBLY

D.R.O.W. = DRAINAGE RIGHTS-OF-WAY  
D.R.A. = DRAINAGE RETENTION AREA

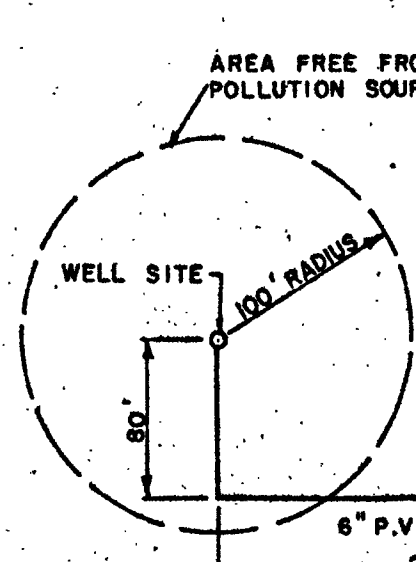
• 4" x 4" CONC. PRM.  
• 4" x 4" CONC. PCP

SCALE 1" = 100'

0 50 100 200

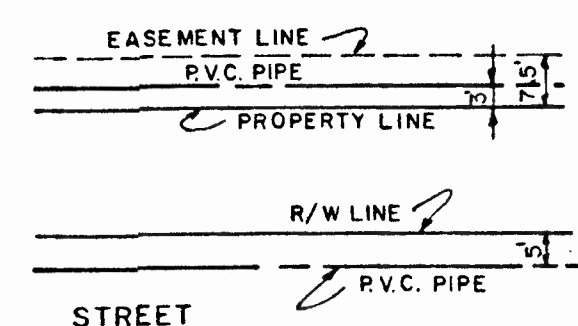
GRAPHIC SCALE

HENIGAR & RAY ENGINEERING ASSOCIATES, INC.  
CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS  
640 EAST HWY 44, CRYSTAL RIVER, FLORIDA



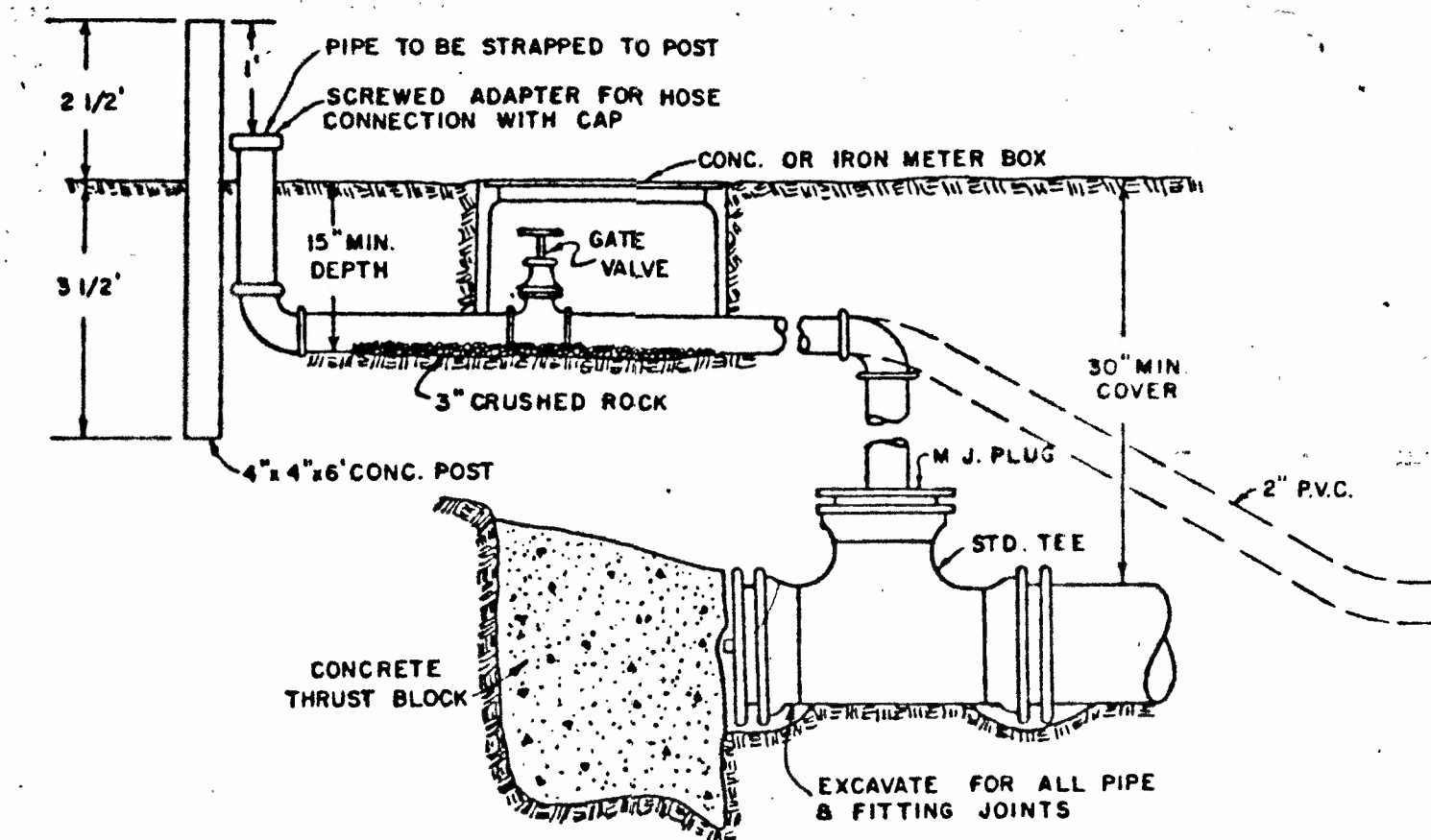
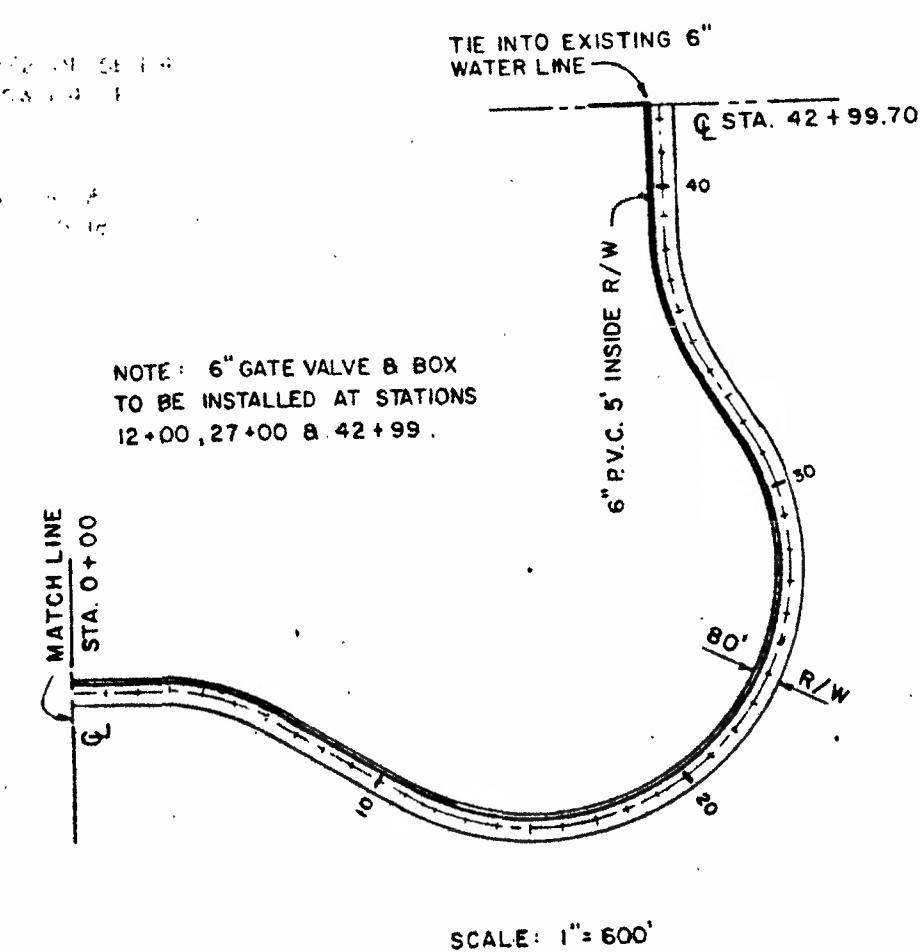
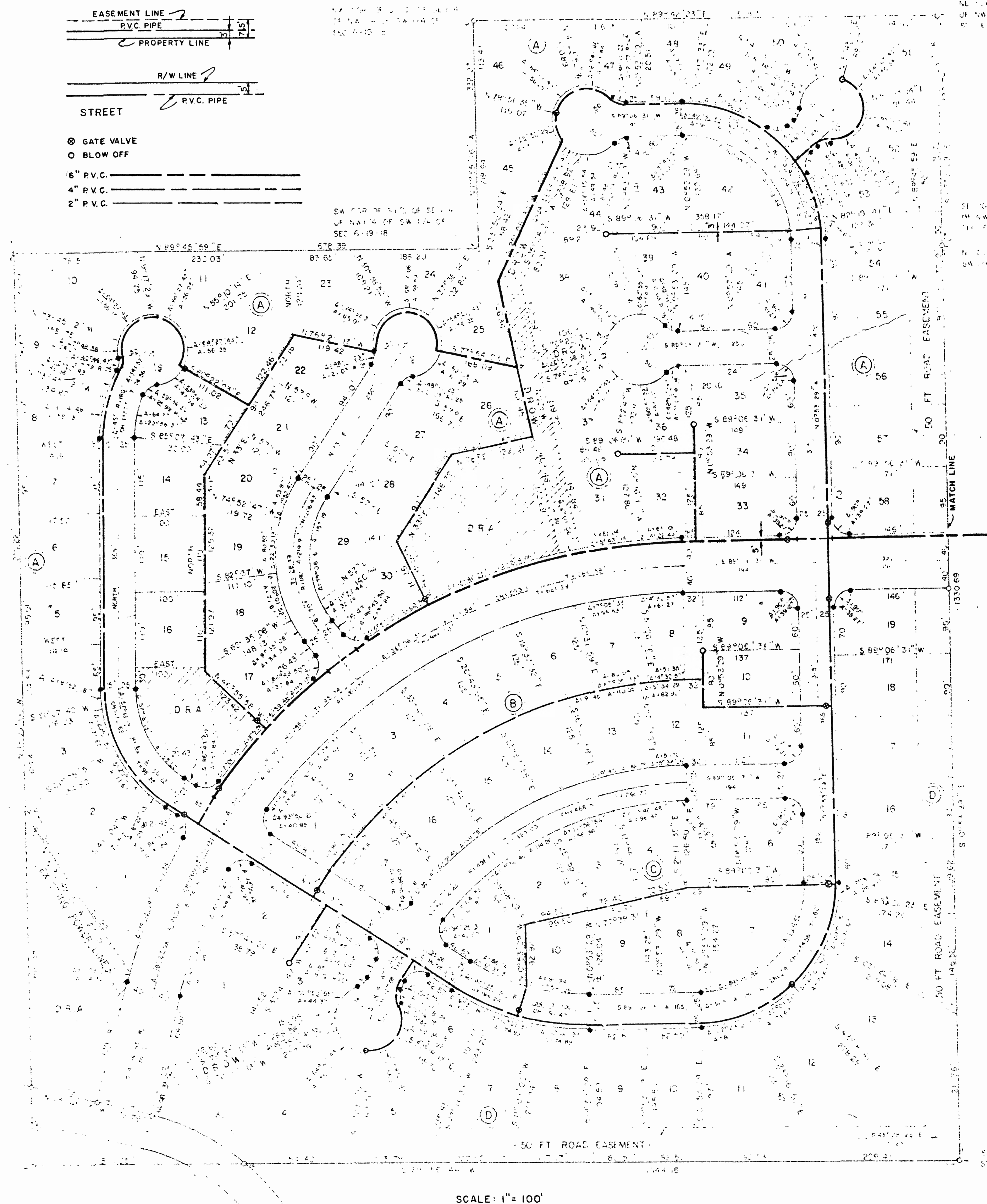
WATER DISTRIBUTION SYSTEM FOR	
PHASE ONE	
CINNAMON RIDGE	
A SUBDIVISION IN THE NE 1/4 OF SECTION 6, TOWNSHIP 19 SOUTH, RANGE 18 EAST, CITRUS COUNTY, FLORIDA.	
HENIGAR & RAY ENGINEERING ASSOCIATES, INC. CONSULTING ENGINEERS - LAND SURVEYORS - LAND PLANNERS 640 EAST HWY. 44, CRYSTAL RIVER, FLORIDA	
DRAWN: K.A.R.	SCALE: 1" = 100'
APPROVED: [Signature]	DATE: 1-15-82
P.B. 1A P.6 489	

# LEGEND



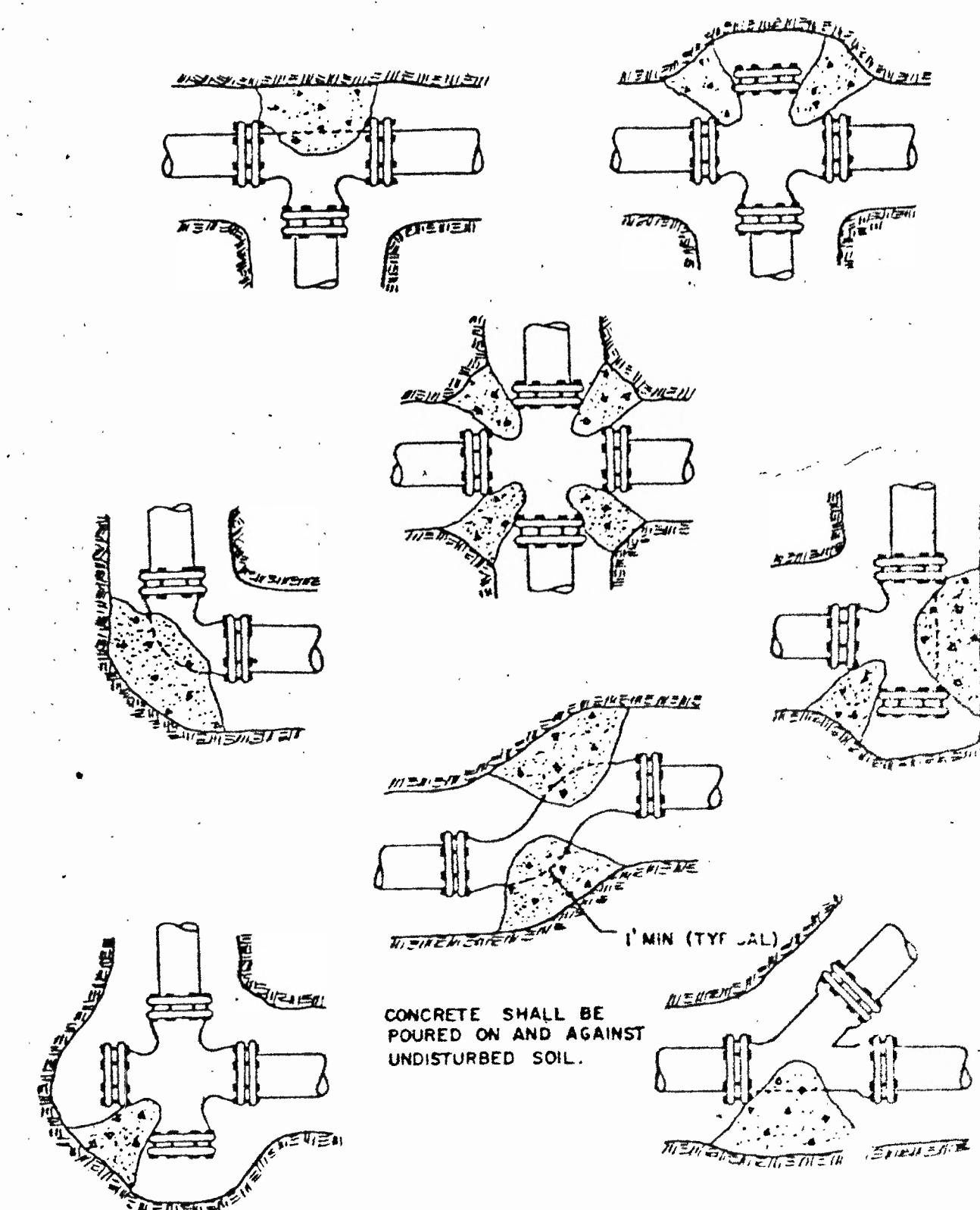
⊙ GATE VALVE  
○ BLOW OFF

6" P.V.C.  
4" P.V.C.  
2" P.V.C.



## DEAD END BLOW OFF ASSEMBLY

NOTE: FOR 2" PIPE AND SMALLER STRAIGHT IN CONNECTION IS ACCEPTABLE.



## THRUST BLOCKS

REVISED: 11-11-83 AS-BUILT  
REVISED: 5-27-83 NEW DEAD END BLOW OFF DETAIL

## WATER DISTRIBUTION SYSTEM

## CINNAMON RIDGE-UNIT 2

THE SW 1/4 OF THE SW 1/4 AND THE S 1/2 OF THE SE 1/4 OF THE NW 1/4 OF THE SW 1/4, ALL IN SECTION 6, TOWNSHIP 19 SOUTH, RANGE 18 EAST, CITRUS COUNTY, FLORIDA.

HENIGAR & RAY ENGINEERS  
CONSULTING ENGINEERS - LAND SURVEYORS  
640 EAST HWY. 44, CRYSTAL RIVER, FLORIDA 34429

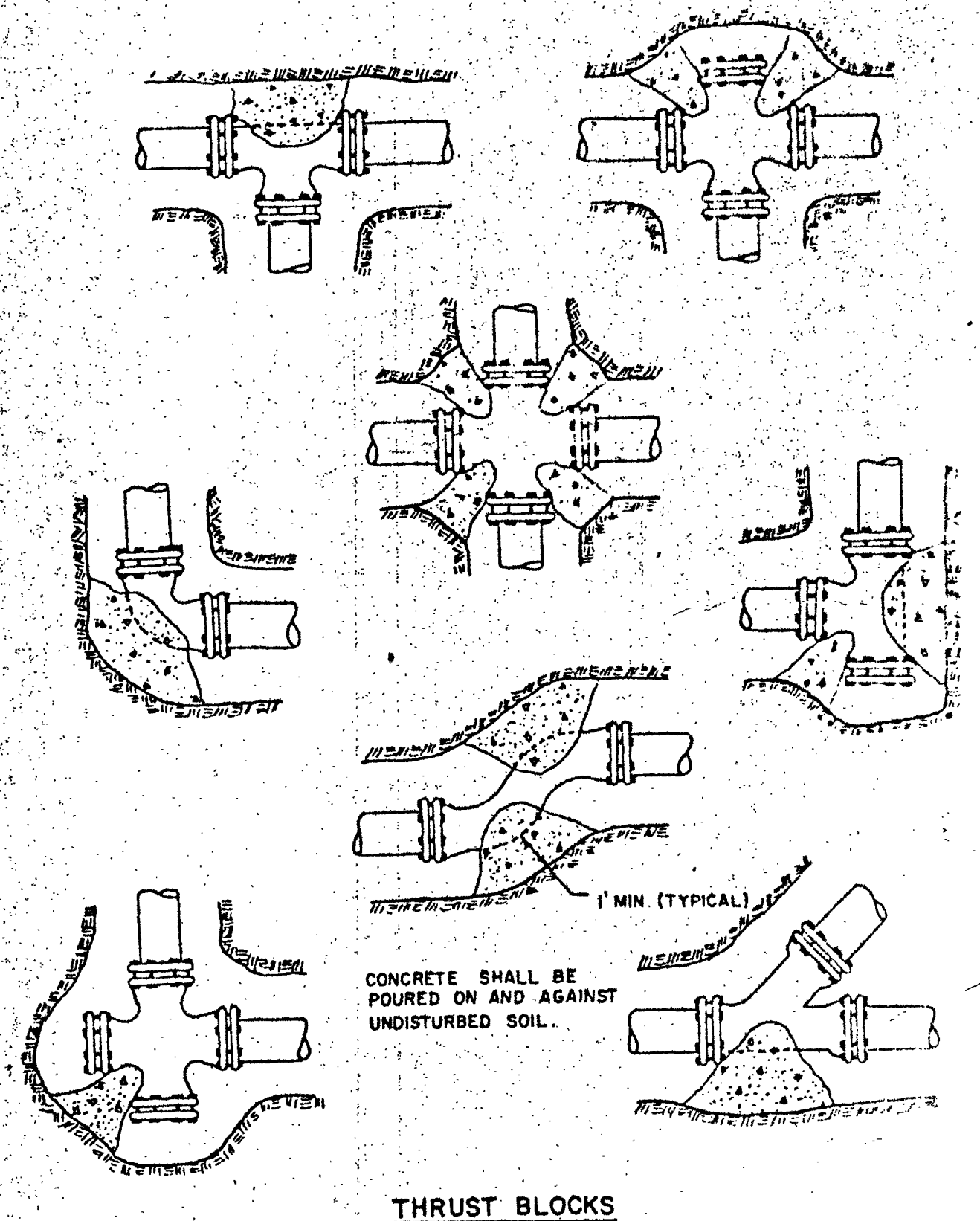
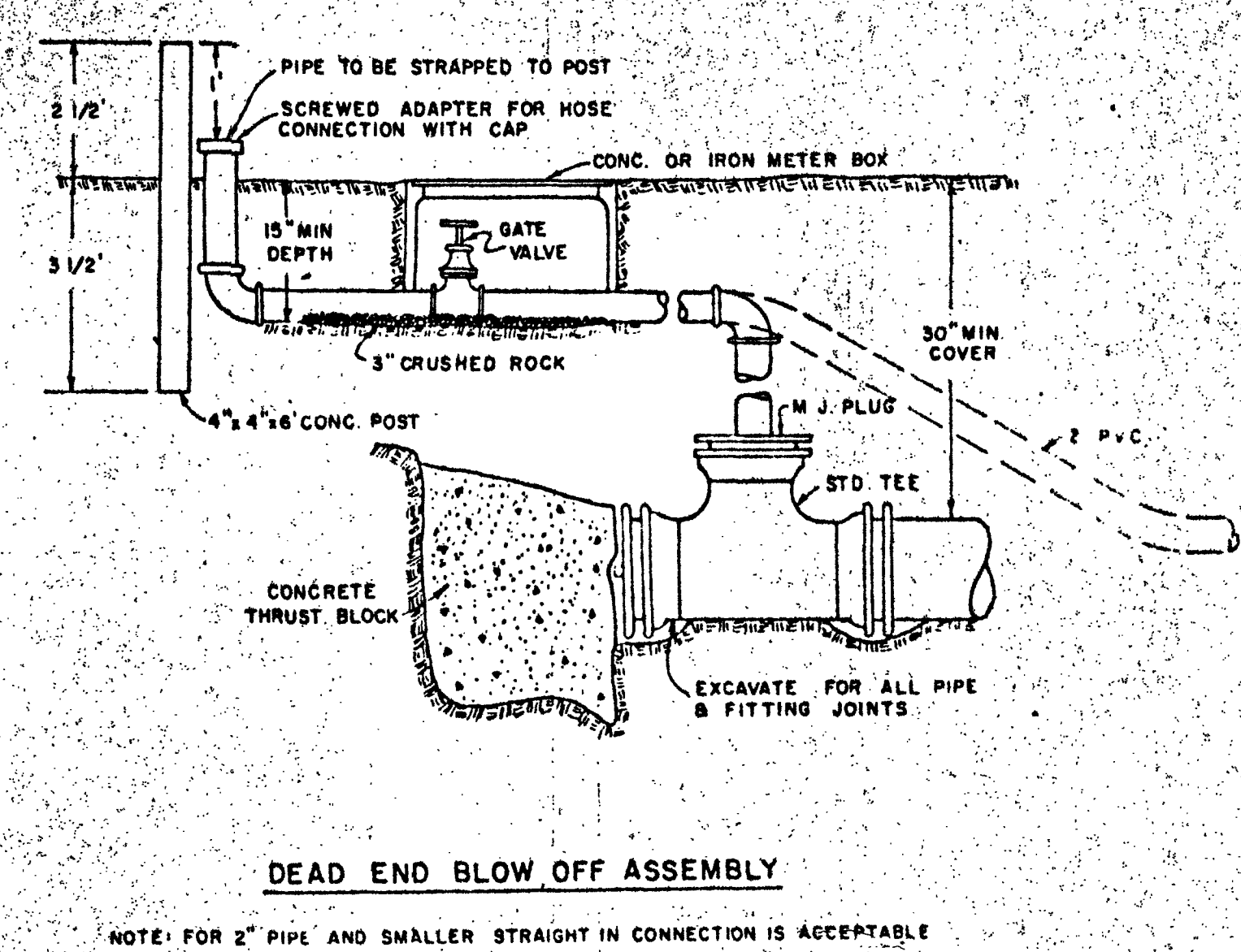
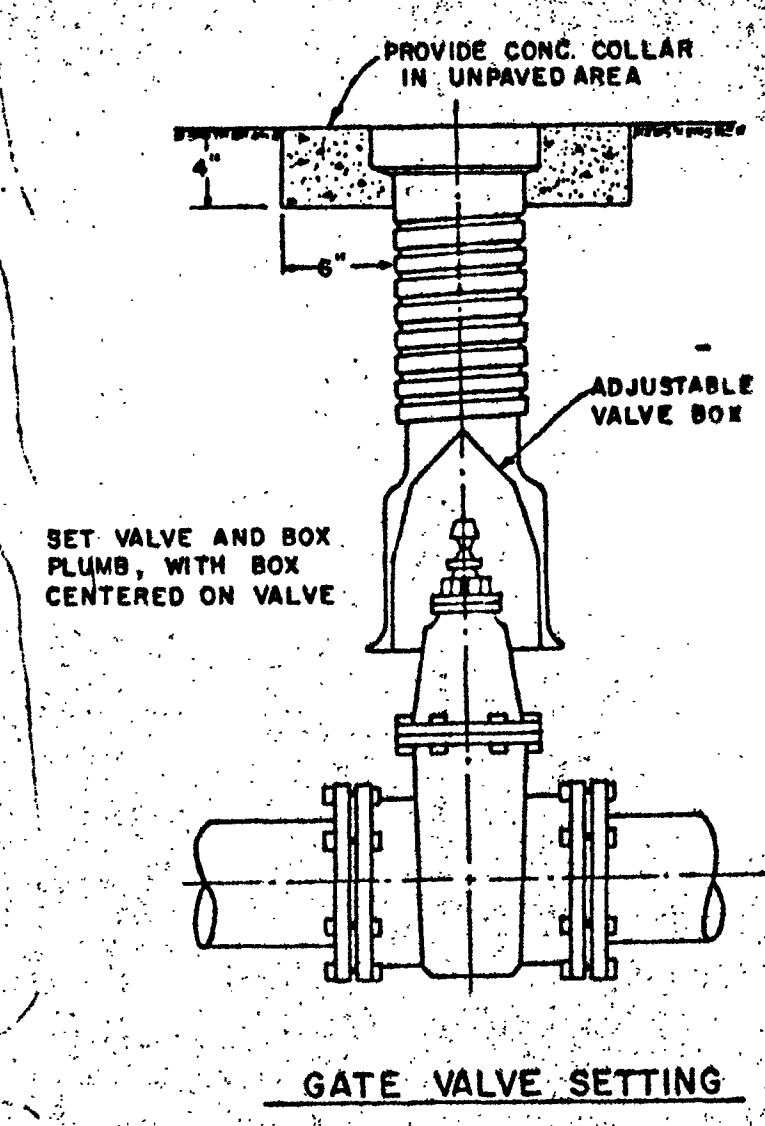
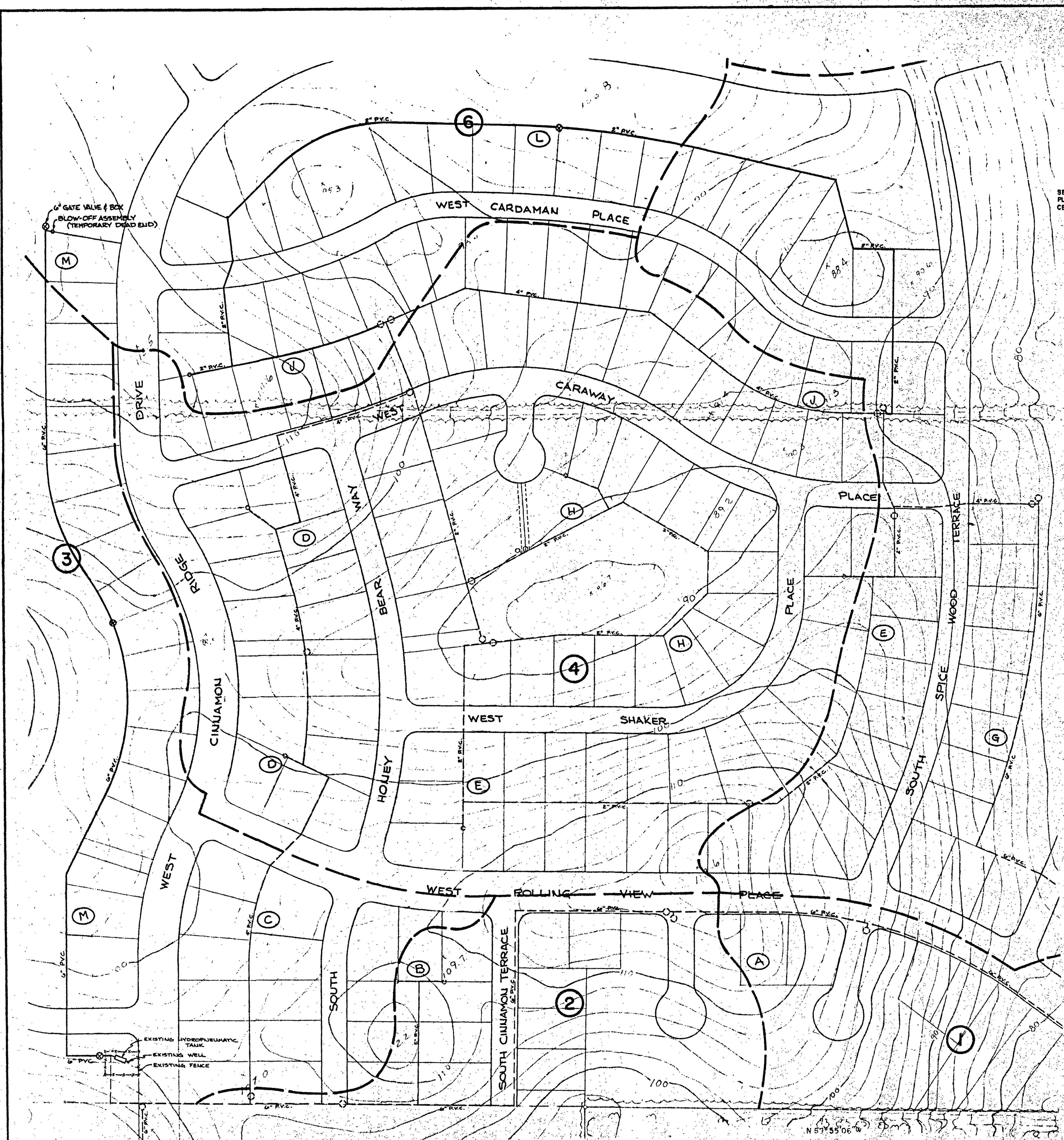
ASSOCIATES, INC.  
LAND PLANNERS  
FLORIDA

DRAWN: BFG  
APPROVED:  
DATE: 1-17-83

SCALE  
AS NOTED

W. BRUCE WHITE, P.E.  
FLA. REG. NO. 30185





### LEGEND

- EXISTING WATER MAIN -----
- PROPOSED WATER MAIN \_\_\_\_\_
- EXISTING GATE VALVE & BOX ○
- EXISTING BLOW-OFF ASSEMBLY ○
- PROPOSED GATE VALVE & BOX ○
- PROPOSED BLOW-OFF ASSEMBLY ○

NOTE: ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THE CITRUS COUNTY PUBLIC WORKS MANUAL, PART B, SECTION XVI.

### WATER DISTRIBUTION SYSTEM

#### CINNAMON R

A SUBDIVISION OF A PORTION OF TOWNSHIP 19 SOUTH, RANGE 30 NORTH, WEST 10 E

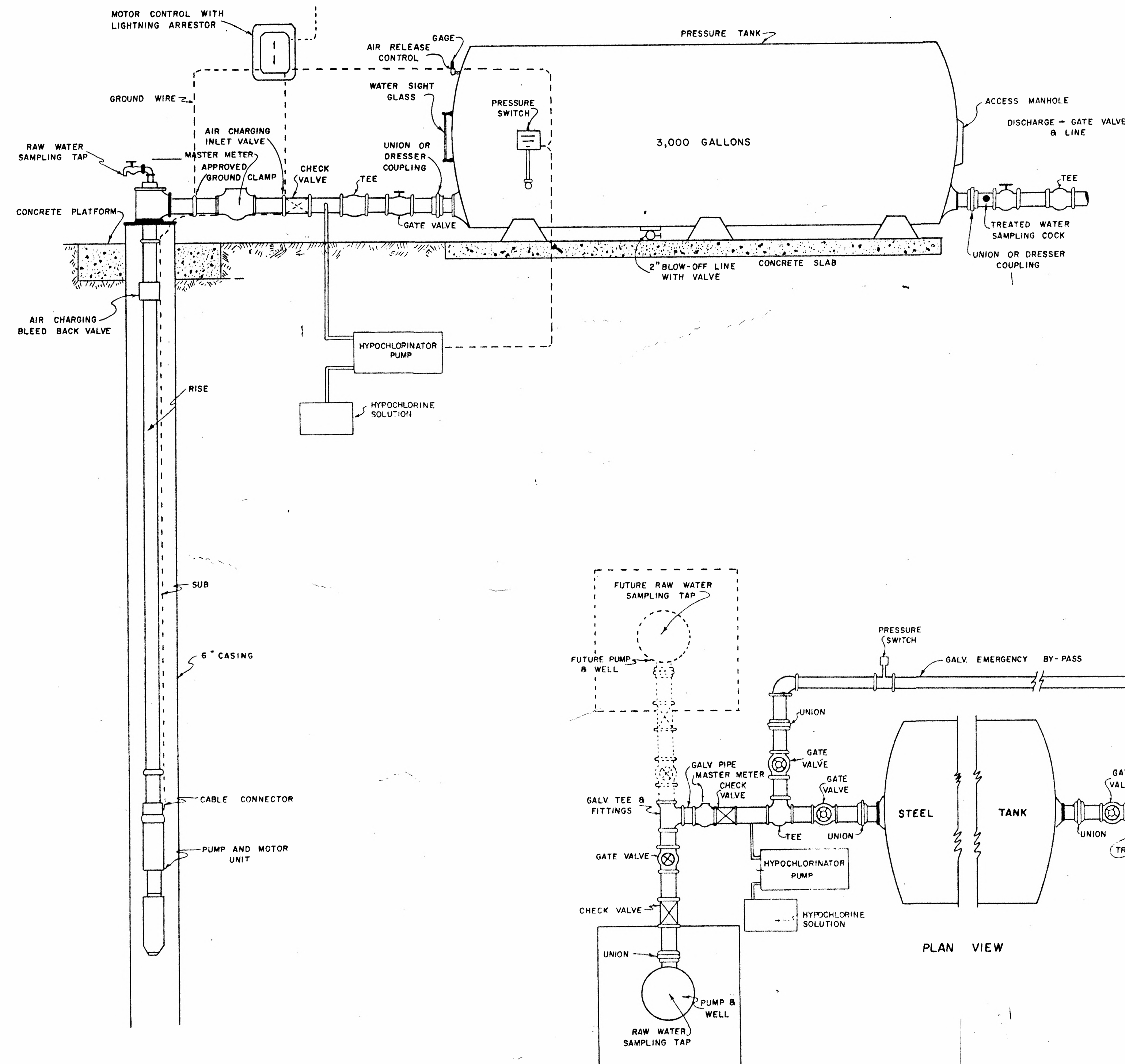
HENIGAR & RAY ENGINEERS  
CONSULTING ENGINEERS • L.A.  
640 EAST HWY. 44

DRAWN: C.M.W. SCALE:  
APPROVED: W.B.W.  
DATE: MAY 31, 1983

REVISED: 11-11-83 AS-BUILT

W. BRUCE WH  
FLA. REG. NO.





- SPECIFICATIONS
1. PUMP SHALL BE CAPABLE OF PROVIDING 220 GALLONS PER MINUTE AT A DISCHARGE PRESSURE OF 70 P.S.I. USE STA-RITE MODEL 325NG OR EQUAL. (20 H.P.)
  2. PNEUMATIC TANK SHALL BE CONSTRUCTED AND TESTED FOR A MAXIMUM OPERATING PRESSURE OF 150 P.S.I.
  3. HYPOCHLORINATOR SHALL BE CAPABLE OF PROVIDING 1.0 P.P.M. CHLORINE RESIDUAL FOR A TOTAL FLOW OF 200,000 GALLONS PER DAY. USE CHEM-TECH MODEL 215 OR EQUAL.
  4. ALL ELECTRICAL CONTROL EQUIPMENT, GAUGES, SWITCHES, VALVES, ETC. SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
  5. ALL ELECTRICAL CONTROL AND CHLORINATION EQUIPMENT SHALL BE PROTECTED BY SUITABLE HOUSING OR A PROTECTIVE FENCE ENCLOSURE.
  6. GAS CHLORINATION EQUIPMENT IF USED, SHALL BE INSTALLED IN A SEPARATE ENCLOSURE OR ENCLOSED BUILDING AREA WITH SEPARATE EXTERIOR DOORS AND EXHAUSTING SYSTEM.

REVISED 3-4-82

# WELL HEAD DETAIL

## CINNAMON RIDGE

A SUBDIVISION IN THE NE 1/4 OF SECTION 6, TOWNSHIP 19 SOUTH, RANGE 18 EAST, CITRUS COUNTY, FLORIDA

HENIGAR & RAY ENGINEERING  
REGISTERED ENGINEERS & LAND SURVEYORS  
640 EAST HWY. 44, CRYSTAL SPRING, FLORIDA 32909

DRAWN: K.A.R.	SCALE:
APPROVED: E.B.	
DATE: 1-15-82	P.B.