

The District General Manager was willing to pay our share of paving the rest of the private road, but the other road users were not interested in covering their share. We use this road fairly infrequently compared to the residents that use it every day. When we relocated our access driveway to the tank, we made significant repairs to the road and the drainage system at that time.

As with all construction within roadways, any road surfaces or culverts that are damaged during the installation of the waterline will be repaired or replaced by the construction contractor. The District will require the contractor to repair the access roads in the locations that we are installing waterline. Section 1.5 of Technical Specification 31 23 33 reads:

#### PROTECTION

- A. Protect all existing structures, fences, roads, sidewalks, paving, curbs, and other items as necessary from earthwork activity.
- B. Protect above- or below-grade utilities that are to remain.
- C. Repair damage to any existing site features that are to remain.
- D. Repair and restoration shall be equal to quality and appearance of prior condition and to the satisfaction of the Owner's Representative.

The culvert at the junction of the private road and the old tank access driveway (Station 14+50) may need to be replaced during construction depending upon what the underground conditions are when the excavation for the waterline commences. Sheet C 3.2 shows the extent of the waterline that will be realigned as part of the project. If the culvert ends up causing a conflict with the waterline, then adjustments will be made to the installation details for the waterline or the culvert will be replaced.

In 2015, prior to Mr. Carmichael adding the second dwelling to his property under County application 13979 SP18-002, the culvert that brought the water across the private road looked like this:



The existing culvert across Mr. Carmichael's driveway from the private road is well beyond the footprint of the project and the District does not intend on making any changes to that culvert.



Approximate location of culvert inlet



As can be seen in the photo below, the overall drainage problems on the bottom section of this driveway are due to Mr. Carmichael filling in the ditch and installing a retaining wall.



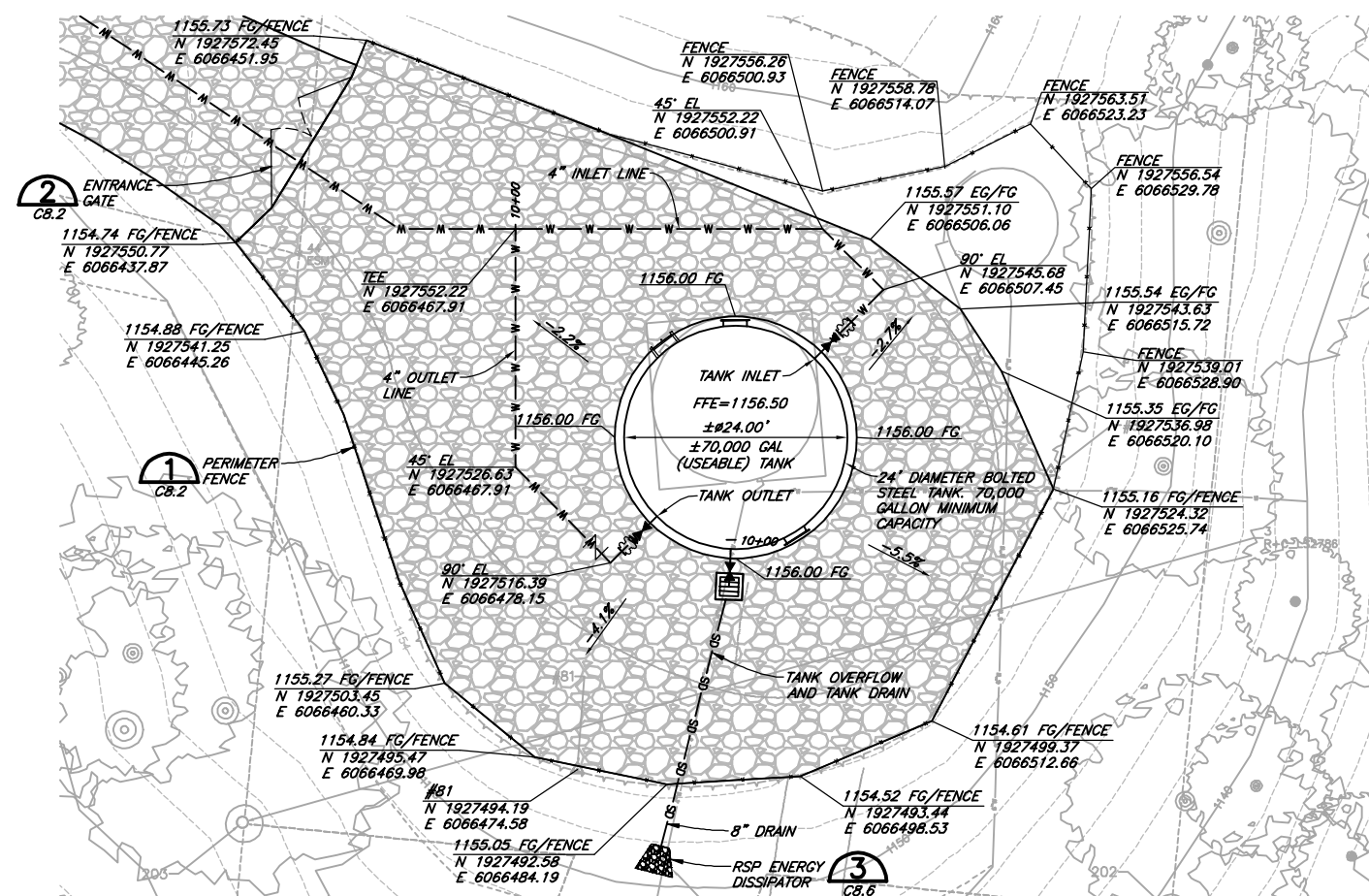
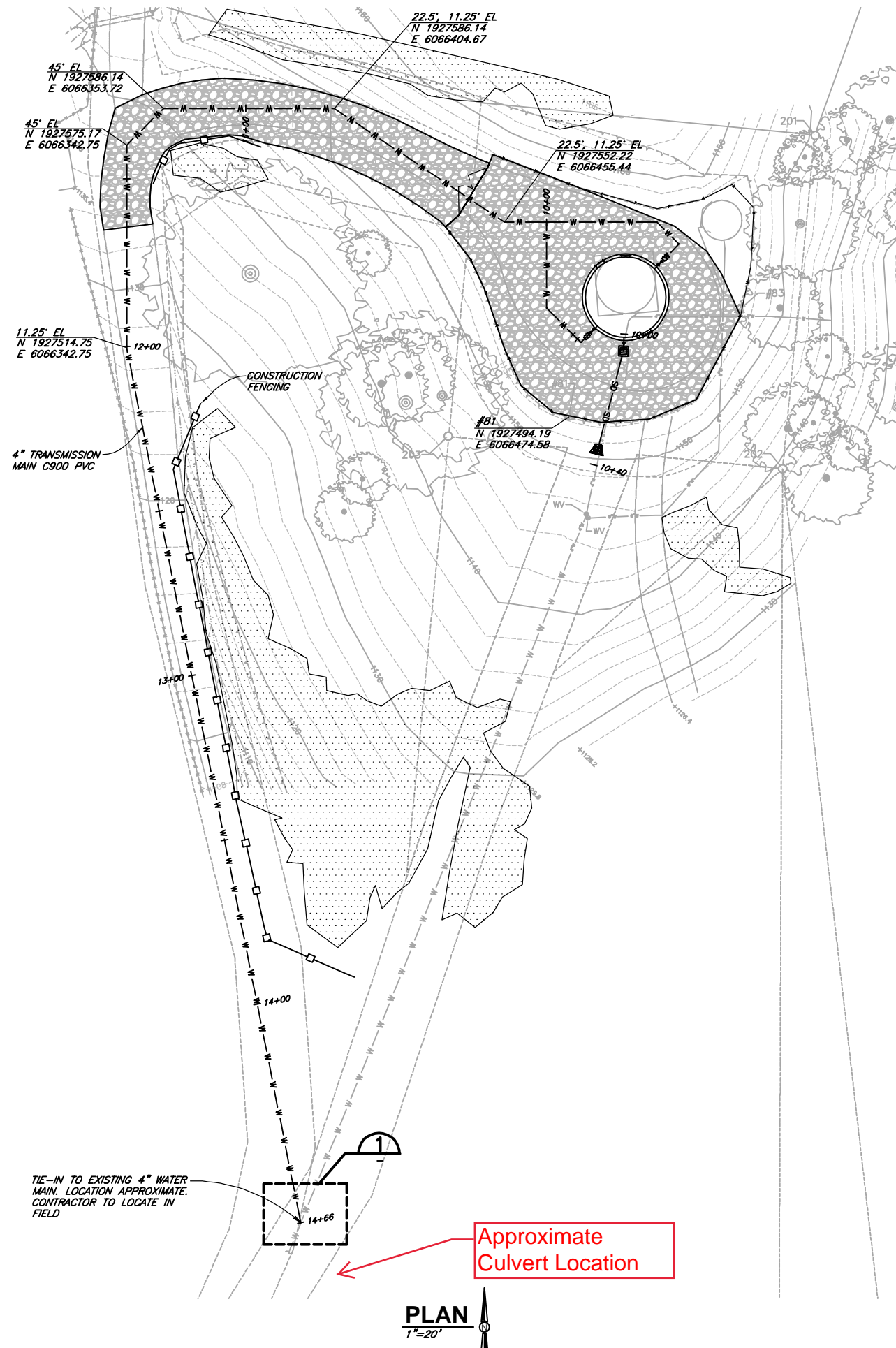
The water used to be able to run off the side of the road into the pasture, but the installation of blocks along both sides of the road has created a funnel for the water to run down the roadway on the paved section. These blocks were installed by Mr. Carmichael.



In addition, he has placed a personal waterline to water his stock in the culvert that brings water across the roadway and placed pieces of wood and rock to block the culvert in an effort to redirect the runoff away from his property and onto an adjacent neighbor's property.







## LEGEND



4" DEPTH CLASS 2 AB AT 95% RC



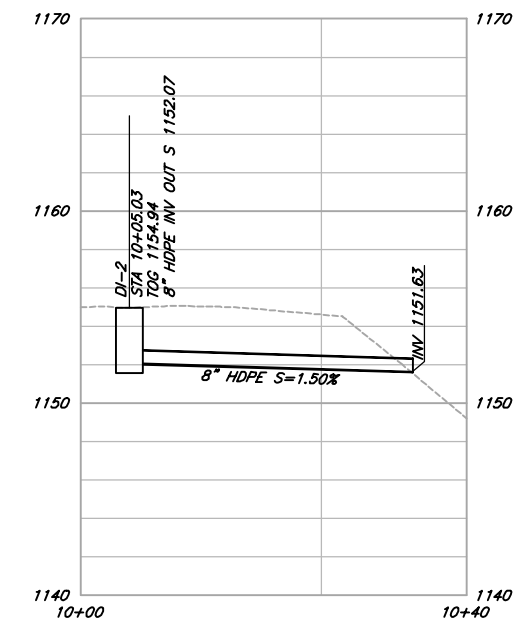
*SENSITIVE PLANT COMMUNITY*

## PLAN


$$\overline{1'' = 10'}$$

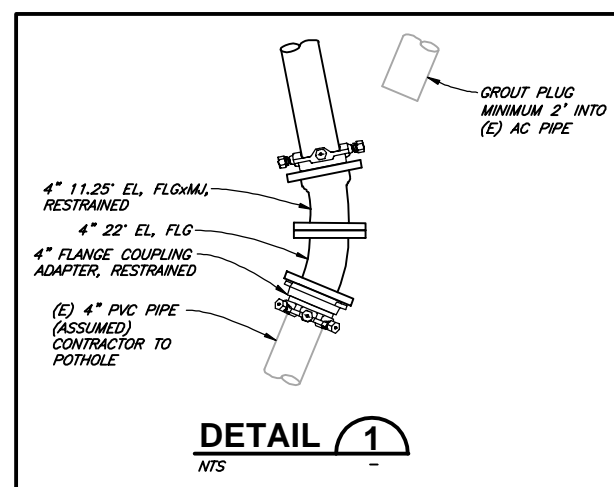
**NOTES:**

1. FITTINGS REQUIRED FOR VERTICAL ANGLES ARE NOT SHOWN ON THESE PLANS. CONTRACTOR TO DETERMINE IN THE FIELD.
2. FITTINGS AND PIPING TO BE RESTRAINED IN ACCORDANCE WITH RESTRAINED JOINT DETAIL.



## TANK DRAIN PROFILE

SCALE: 1"=10' H  
1"=5' H



### DETAIL ①

*NT<sup>9</sup>*


## PLAN


$$1'' = 20$$

**90% DESIGN**

**VERIFY SCALES**

BAR IS ONE INCH ON  
ORIGINAL DRAWING

0  1"

IF NOT ONE INCH ON  
THIS SHEET, ADJUST  
SCALES ACCORDINGLY

812 W. WABASH AVE.  
EUREKA, CA. 95501  
WWW.SHN-ENGR.COM  
707-441-8855



		By
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REVISION

DATE

NO

DSGN	JSO
DR	CDN/JWF
CHK	PEG
APVD	

**GARBERVILLE SANITARY DISTRICT  
GARBERVILLE TANKS REPLACEMENT PROJECT  
GARBERVILLE, CALIFORNIA**

SHEET  
**C3.2**

SEQ	
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DATE 02/2024

PROJ. NO.  
022067