

# Video → Inspection Specialists

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C.C.T.V. INSPECTION OF  
IRRIGATION LINE IN MANTECA

3/4/13

DVD #4

CITY OF MANTECA  
WASTEWATER QUALITY CONTROL FACILITY



TELEVISION INSPECTION LOCATION SHEET

VIDEO INSPECTION SPECIALISTS, INC.  
 4705 WEST SANTA ANA  
 FRESNO, CALIFORNIA 93722  
 (559) 276-0186

DATE: 3/4/13 SHEET #: 42

PROJECT : C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

CLIENT: CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

LOCATION OF LINE: HEADING WEST ALONG THE SOUTH SIDE OF FIELD #10

TYPE OF LINE: CIPCP INSPECTOR: MARK

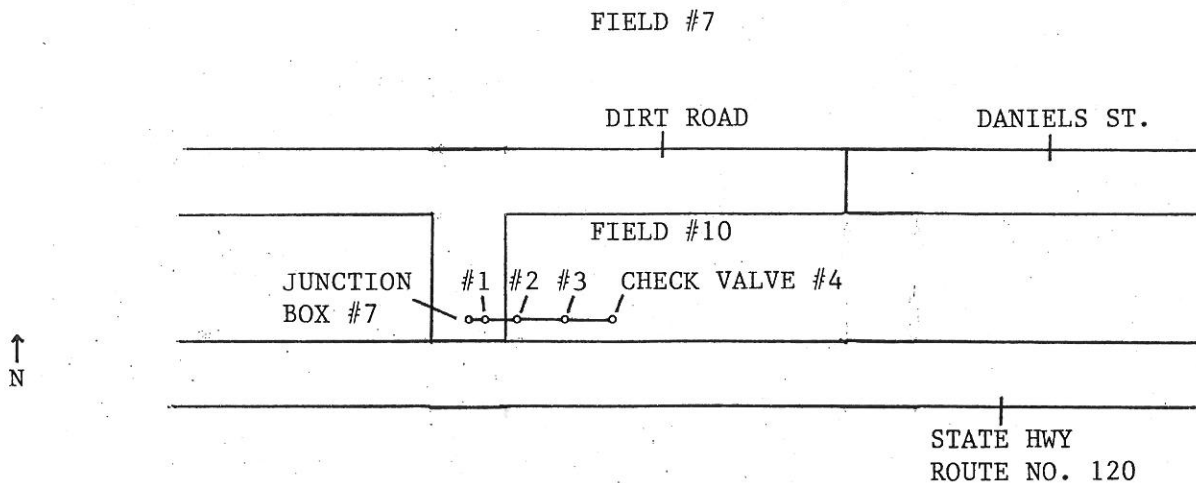
PIPE SIZE: 36 INCHES PIPE LENGTH: 352 FEET

DIRECTION OF FLOW: FROM MANHOLE #: CHECK VALVE #4 TO MANHOLE #: JUNCTION BOX #7

DIRECTION OF MEASUREMENT: FROM MANHOLE #: CHECK VALVE #4 TO MANHOLE #: JUNCTION BOX #7

VIDEO REF: DVD # 4 FROM FRAME: 00:00 TO FRAME: 11:18

FIELD #7



NOTES: \_\_\_\_\_

FOOTAGE	FRAME	OBSERVATION
4	00:00	START RUN AT CHECK VALVE #4
4	00:30	HEAVY DEBRIS IN THE CHECK VALVE #4
96	03:00	HEAVY DEBRIS IN THE LINE
100	03:15	CHECK VALVE #3

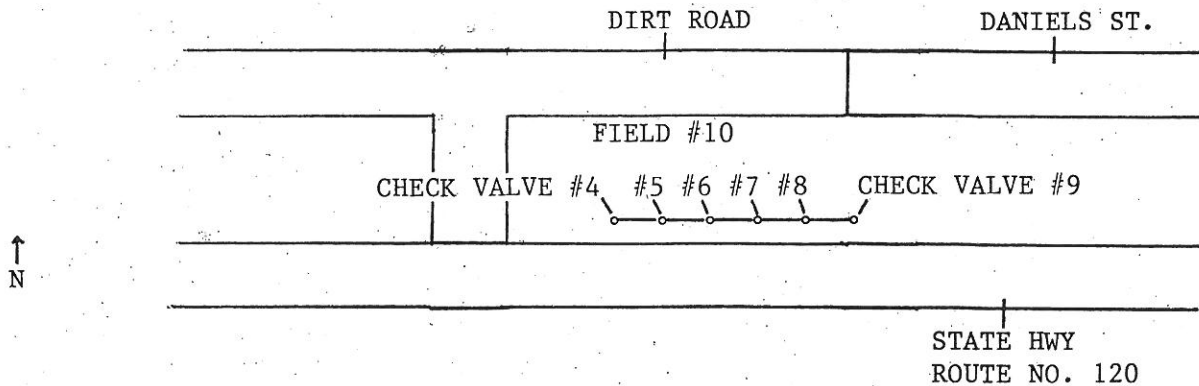


TELEVISION INSPECTION LOCATION SHEET

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DATE: 3/4/13 SHEET #: 44  
 PROJECT : C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA  
 CLIENT: CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY  
 LOCATION OF LINE: HEADING EAST ALONG THE SOUTH SIDE OF FIELD #10  
 TYPE OF LINE: CIPCP INSPECTOR: MARK  
 PIPE SIZE: 36 INCHES PIPE LENGTH: 498 FEET  
 DIRECTION OF FLOW: FROM MANHOLE #: CHECK VALVE #9 TO MANHOLE #: CHECK VALVE #4  
 DIRECTION OF MEASUREMENT: FROM MANHOLE #: CHECK VALVE #4 TO MANHOLE #: CHECK VALVE #9  
 VIDEO REF: DVD # 4 FROM FRAME: 00:00 TO FRAME: 14:10

FIELD #7



NOTES: TELEVISIONING AGAINST THE DIRECTION OF FLOW

FOOTAGE	FRAME	OBSERVATION
4	00:00	START RUN AT CHECK VALVE #4
30	01:15	PATCH
31	01:30	RADIAL CRACK IN THE PIPE
96	02:55	DEBRIS IN THE LINE



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DATE: 3/4/13 SHEET #: 46

PROJECT : C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

CLIENT: CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

LOCATION OF LINE: HEADING EAST ALONG THE SOUTH SIDE OF FIELD #10

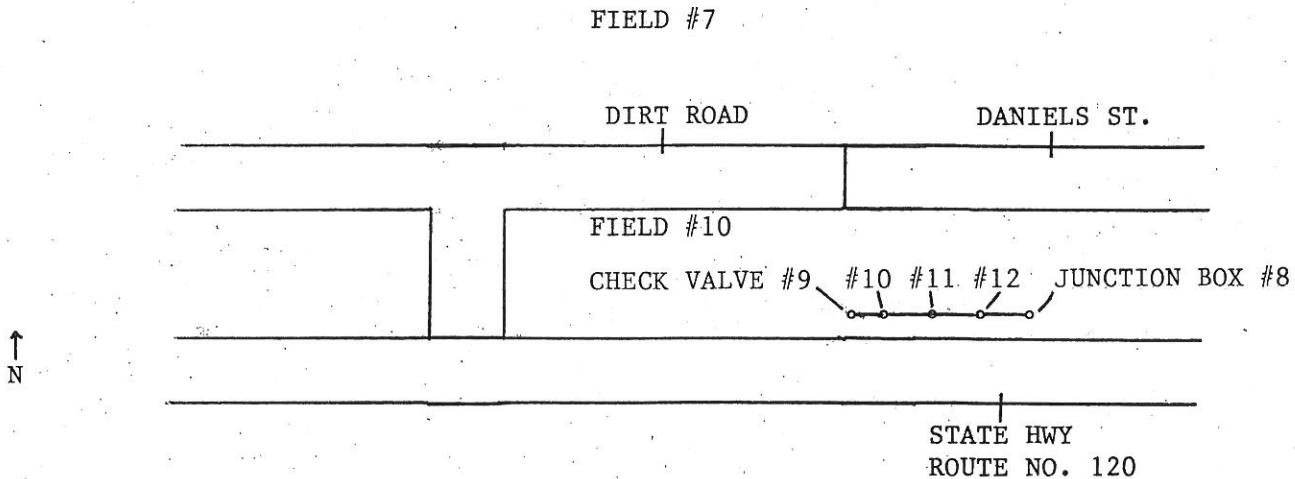
TYPE OF LINE: CIPCP INSPECTOR: MARK

PIPE SIZE: 36 INCHES PIPE LENGTH: 300 FEET

DIRECTION OF FLOW: FROM MANHOLE #: JUNCTION BOX #8 TO MANHOLE #: CHECK VALVE #9

DIRECTION OF MEASUREMENT: FROM MANHOLE #: CHECK VALVE #9 TO MANHOLE #: JUNCTION BOX #8

VIDEO REF: DVD # 4 FROM FRAME: 00:00 TO FRAME: 11:54



NOTES: TELEVISIONING AGAINST THE DIRECTION OF FLOW

HEAVY MUD IN THE LINE

<u>FOOTAGE</u>	<u>FRAME</u>	<u>OBSERVATION</u>
4	00:00	START RUN AT CHECK VALVE #9
4	00:30	MUD IN THE LINE
39	01:40	RADIAL CRACK IN THE PIPE
97	02:50	DEBRIS IN THE LINE



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DATE: 3/4/13

SHEET #: 48

PROJECT : C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

CLIENT: CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

LOCATION OF LINE: HEADING NORTH ALONG THE WEST SIDE OF FIELD #10

TYPE OF LINE: CIPCP INSPECTOR: MARK

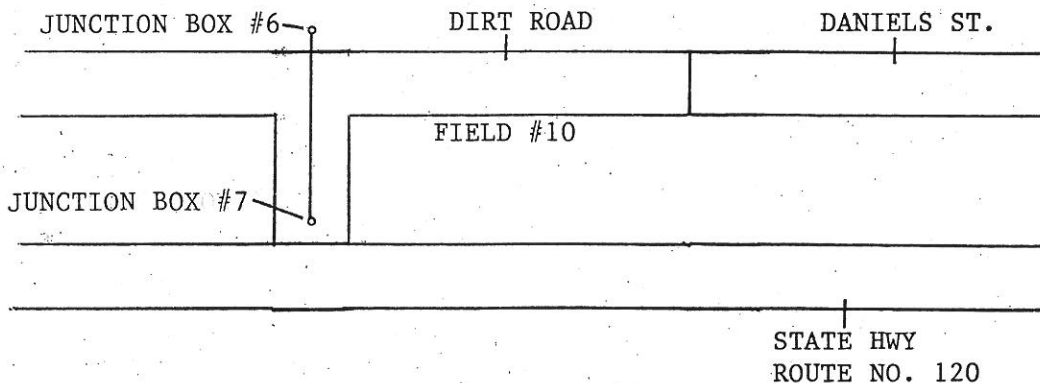
PIPE SIZE: 36 INCHES PIPE LENGTH: 100 FEET

DIRECTION OF FLOW: FROM MANHOLE #: JUNCTION BOX #6 TO MANHOLE #: JUNCTION BOX #7

DIRECTION OF MEASUREMENT: FROM MANHOLE #: JUNCTION BOX #7 TO MANHOLE #: JUNCTION BOX #6

VIDEO REF: DVD # 4 FROM FRAME: 00:00 TO FRAME: 04:25

FIELD #7



NOTES: \_\_\_\_\_

<u>FOOTAGE</u>	<u>FRAME</u>	<u>OBSERVATION</u>
4	00:00	START RUN AT JUNCTION BOX #7
10	00:50	PIPE TURNS TO THE LEFT
17	01:10	STANDPIPE
32	01:50	RADIAL CRACK IN THE PIPE



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DATE: 3/4/13 SHEET #: 50

PROJECT : C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

CLIENT: CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

LOCATION OF LINE: HEADING SOUTH CROSSING UNDER HWY 120

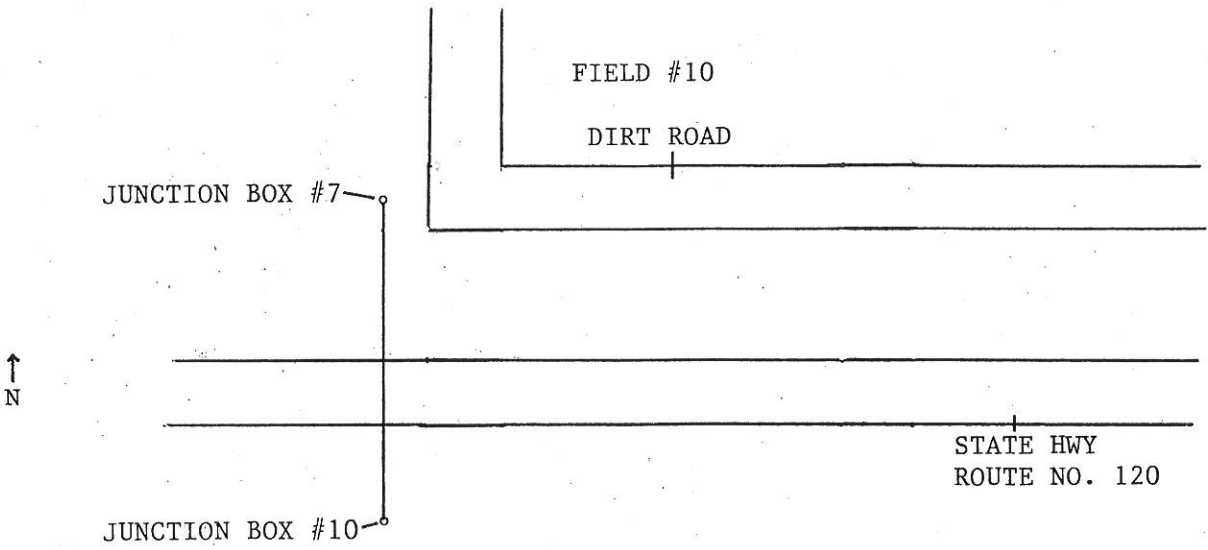
TYPE OF LINE: RCP INSPECTOR: MARK

PIPE SIZE: 36 INCHES PIPE LENGTH: 307 FEET

DIRECTION OF FLOW: FROM MANHOLE #: JUNCTION BOX #7 TO MANHOLE #: JUNCTION BOX #10

DIRECTION OF MEASUREMENT: FROM MANHOLE #: JUNCTION BOX #7 TO MANHOLE #: JUNCTION BOX #10

VIDEO REF: DVD # 4 FROM FRAME: 00:00 TO FRAME: 05:46



NOTES: \_\_\_\_\_

FOOTAGE	FRAME	OBSERVATION
4	00:00	START RUN AT JUNCTION BOX #7
4	00:30	STANDPIPE
285	05:00	PIPE TURNS TO THE LEFT
307	05:46	END RUN AT JUNCTION BOX #10

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**DATE:** 3/4/13 **SHEET #:** 51

**PROJECT :** C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

**CLIENT:** CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

**LOCATION OF LINE:** HEADING NORTHWEST ALONG THE EAST SIDE OF DUTRA FARMS

**TYPE OF LINE:** RCP **INSPECTOR:** MARK

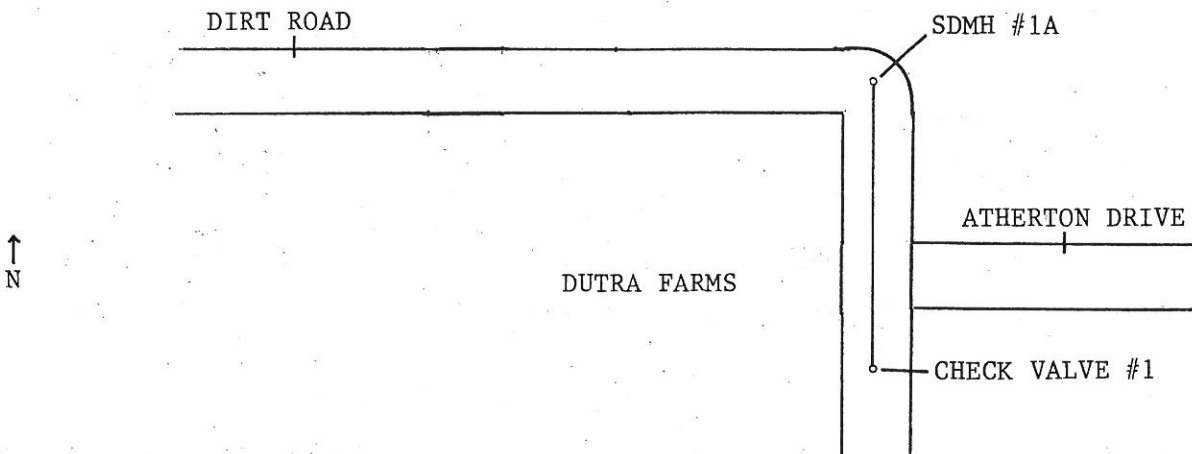
**PIPE SIZE:** 36 **INCHES** **PIPE LENGTH:** 109 **FEET**

**DIRECTION OF FLOW:** **FROM MANHOLE #:** SDMH #1A **TO MANHOLE #:** CHECK VALVE #1

**DIRECTION OF MEASUREMENT:** **FROM MANHOLE #:** CHECK VALVE #1 **TO MANHOLE #:** SDMH #1A

**VIDEO REF:** DVD **#** 4 **FROM FRAME:** 00:00 **TO FRAME:** 02:41

STATE HWY  
ROUTE NO. 120



**NOTES:** TELEVISIONING AGAINST THE DIRECTION OF FLOW

<u>FOOTAGE</u>	<u>FRAME</u>	<u>OBSERVATION</u>
4	00:00	START RUN AT CHECK VALVE #1
109	02:41	END RUN AT STORM DRAIN MANHOLE #1A

TELEVISION INSPECTION LOCATION SHEET

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DATE: 3/4/12

SHEET #: 52

PROJECT : C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

CLIENT: CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

LOCATION OF LINE: HEADING SOUTH ALONG THE NORTHEAST SIDE OF DUTRA FARMS

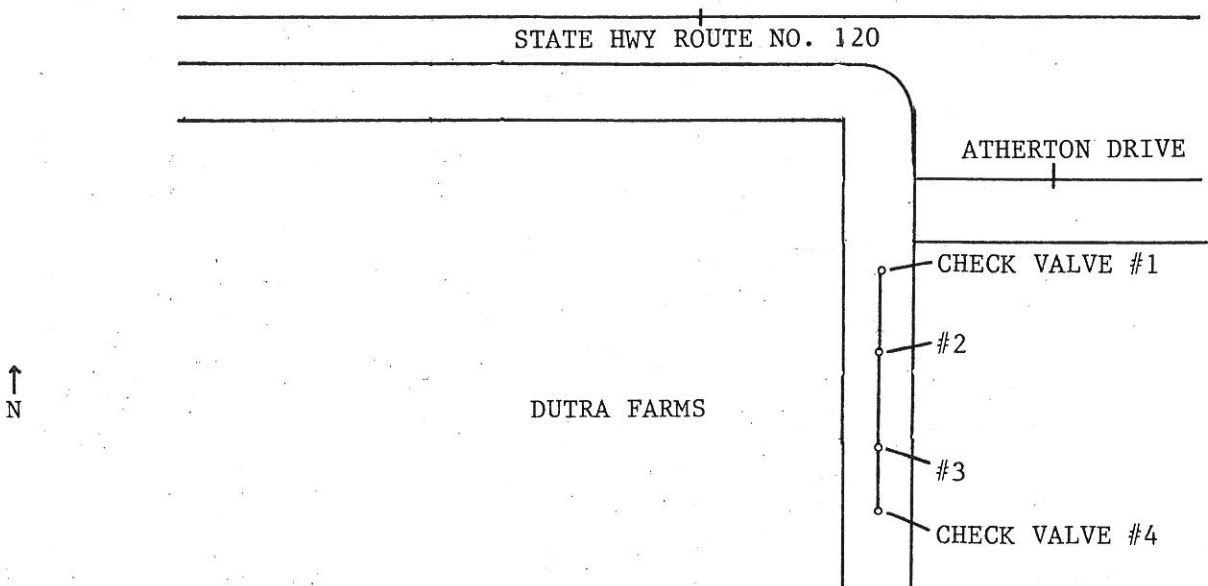
TYPE OF LINE: RCP INSPECTOR: MARK

PIPE SIZE: 36 INCHES PIPE LENGTH: 600 FEET

DIRECTION OF FLOW: FROM MANHOLE #: CHECK VALVE #1 TO MANHOLE #: CHECK VALVE #4

DIRECTION OF MEASUREMENT: FROM MANHOLE #: CHECK VALVE #1 TO MANHOLE #: CHECK VALVE #4

VIDEO REF: DVD # 4 FROM FRAME: 00:00 TO FRAME: 11:02



NOTES: \_\_\_\_\_

FOOTAGE	FRAME	OBSERVATION
4	00:00	START RUN AT CHECK VALVE #1
7	00:35	STANDPIPE
78	02:00	START SAG
122	02:40	CAMERA IS UNDER THE FLOW

TELEVISION INSPECTION LOG SHEET

VIDEO INSPECTION SPECIALISTS, INC.

SHEET #: 53

<u>FOOTAGE</u>	<u>FRAME</u>	<u>OBSERVATION</u>
142	03:00	THE CAMERA IS ABOVE THE FLOW
200	03:55	CHECK VALVE #2
232	04:35	END SAG
265	05:10	START SAG - CONTINUED TO CHECK VALVE #4
401	07:15	CHECK VALVE #3
600	11:02	END RUN AT CHECK VALVE #4

CONTINUED ON SHEET #: \_\_\_\_\_

TELEVISION INSPECTION LOCATION SHEET

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DATE: 3/4/13

SHEET #: 54

PROJECT : C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

CLIENT: CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

LOCATION OF LINE: HEADING SOUTH ALONG THE EAST SIDE OF DUTRA FARMS

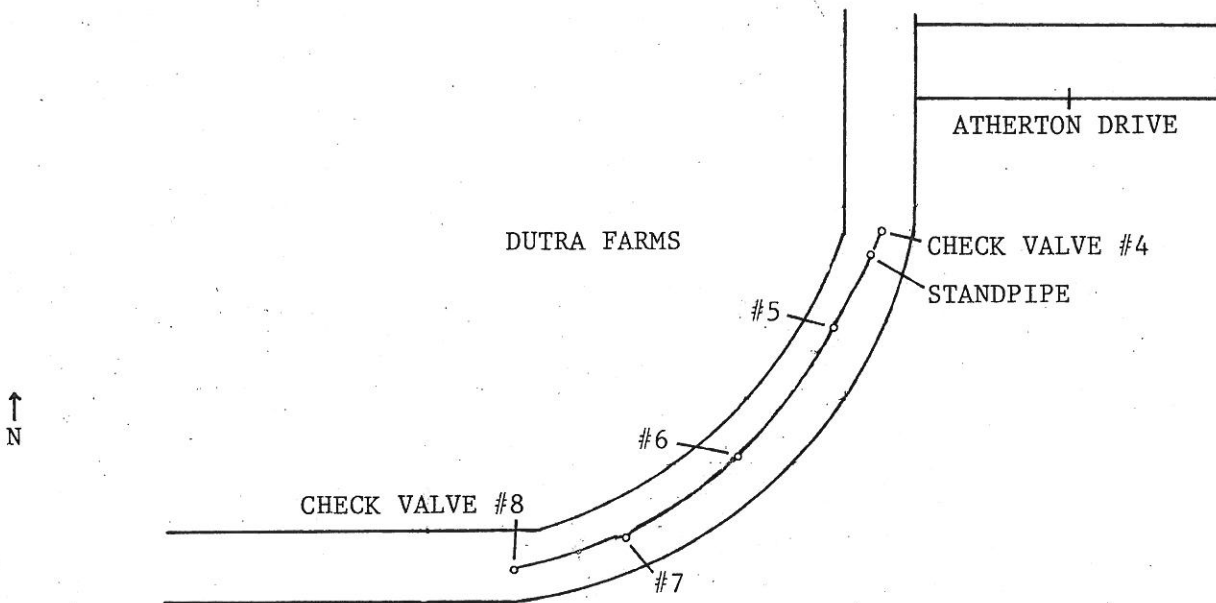
TYPE OF LINE: RCP INSPECTOR: MARK

PIPE SIZE: 36 INCHES PIPE LENGTH: 795 FEET

DIRECTION OF FLOW: FROM MANHOLE #: CHECK VALVE #4 TO MANHOLE #: CHECK VALVE #8

DIRECTION OF MEASUREMENT: FROM MANHOLE #: CHECK VALVE #4 TO MANHOLE #: CHECK VALVE #8

VIDEO REF: DVD # 4 FROM FRAME: 00:00 TO FRAME: 15:16



NOTES: \_\_\_\_\_

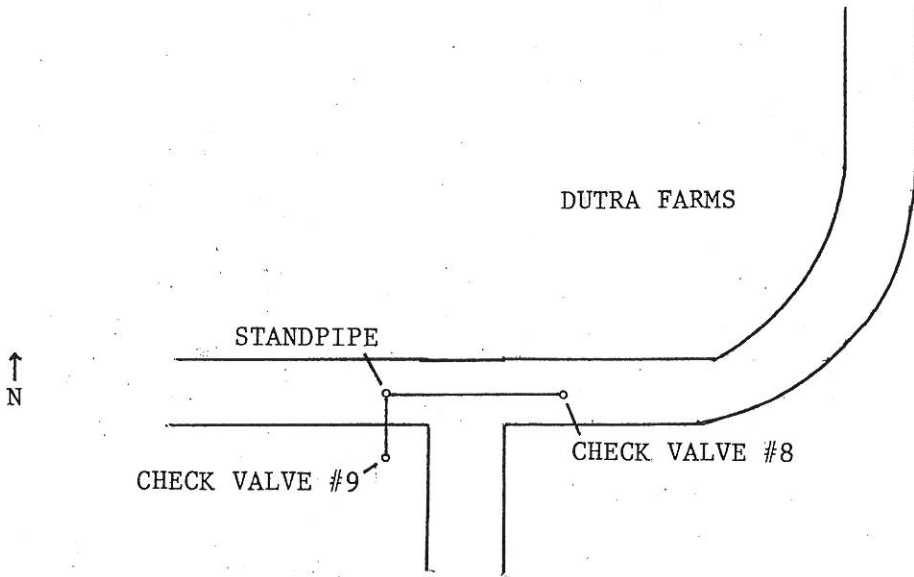
FOOTAGE	FRAME	OBSERVATION
4	00:00	START RUN AT CHECK VALVE #4 - START SAG - WATER CONTINUED TO CHECK VALVE #8
9	00:45	STANDPIPE
187	03:50	CHECK VALVE #5
397	07:10	CHECK VALVE #6



TELEVISION INSPECTION LOCATION SHEET

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DATE: 3/4/13 SHEET #: 56  
 PROJECT : C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA  
 CLIENT: CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY  
 LOCATION OF LINE: HEADING WEST ALONG THE SOUTH SIDE OF DUTRA FARMS  
 TYPE OF LINE: RCP INSPECTOR: MARK  
 PIPE SIZE: 36 INCHES PIPE LENGTH: 80 FEET  
 DIRECTION OF FLOW: FROM MANHOLE #: CHECK VALVE #8 TO MANHOLE #: STANDPIPE  
 DIRECTION OF MEASUREMENT: FROM MANHOLE #: CHECK VALVE #8 TO MANHOLE #: STANDPIPE  
 VIDEO REF: DVD # 4 FROM FRAME: 00:00 TO FRAME: 02:06



NOTES: \_\_\_\_\_

FOOTAGE	FRAME	OBSERVATION
4	00:00	START RUN AT CHECK VALVE #8
4	00:30	SOME STANDING WATER IN THE LINE
80	01:55	STANDPIPE
80	02:06	LINE TAKES A 90° TURN TO THE LEFT

CONTINUED ON SHEET #: \_\_\_\_\_

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DATE: 3/4/13

SHEET #: 57

PROJECT : C.G.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

CLIENT: CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

LOCATION OF LINE: HEADING NORTH ALONG THE WEST SIDE OF MCKINLEY AVE.

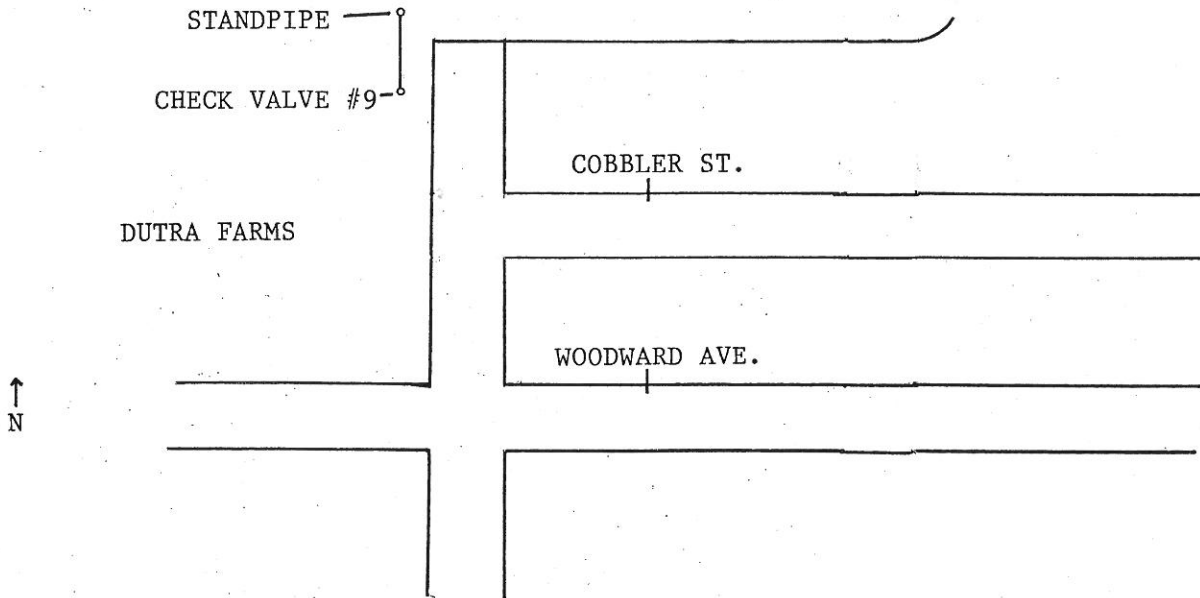
TYPE OF LINE: RCP INSPECTOR: MARK

PIPE SIZE: 36 INCHES PIPE LENGTH: 85 FEET

DIRECTION OF FLOW: FROM MANHOLE #: STANDPIPE TO MANHOLE #: CHECK VALVE #9

DIRECTION OF MEASUREMENT: FROM MANHOLE #: CHECK VALVE #9 TO MANHOLE #: STANDPIPE

VIDEO REF: DVD # 4 FROM FRAME: 00:00 TO FRAME: 02:00



NOTES: TELEVISIONING AGAINST THE DIRECTION OF FLOW

<u>FOOTAGE</u>	<u>FRAME</u>	<u>OBSERVATION</u>
4	00:00	START RUN AT CHECK VALVE #9
85	02:00	END RUN AT STANDPIPE

CONTINUED ON SHEET #: \_\_\_\_\_

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**DATE:** 3/4/13 **SHEET #:** 58

**PROJECT :** C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

**CLIENT:** CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

**LOCATION OF LINE:** HEADING SOUTH ALONG THE WEST SIDE OF MCKINLEY AVE.

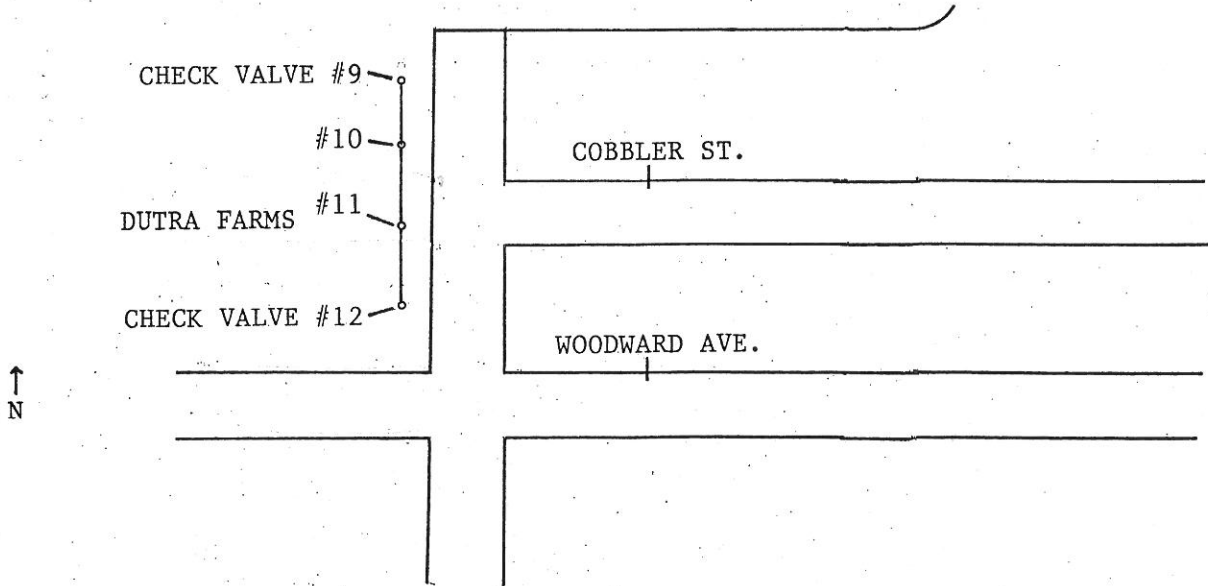
**TYPE OF LINE:** RCP **INSPECTOR:** MARK

**PIPE SIZE:** 36 **INCHES** **PIPE LENGTH:** 641 **FEET**

**DIRECTION OF FLOW:** FROM MANHOLE #: CHECK VALVE #9 **TO MANHOLE #:** CHECK VALVE #12

**DIRECTION OF MEASUREMENT:** FROM MANHOLE #: CHECK VALVE #9 **TO MANHOLE #:** CHECK VALVE #12

**VIDEO REF:** DVD **#** 4 **FROM FRAME:** 00:00 **TO FRAME:** 12:18



**NOTES:** \_\_\_\_\_

<u>FOOTAGE</u>	<u>FRAME</u>	<u>OBSERVATION</u>
4	00:00	START RUN AT CHECK VALVE #9 - SOME STANDING WATER
8	00:35	STANDPIPE
201	03:40	CHECK VALVE #10
434	07:40	CHECK VALVE #11



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**DATE:** 3/4/13

**SHEET #:** 60

**PROJECT :** C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

**CLIENT:** CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

**LOCATION OF LINE:** HEADING SOUTH ALONG THE WEST SIDE OF MCKINLEY AVE. TO WOODWARD AVE.

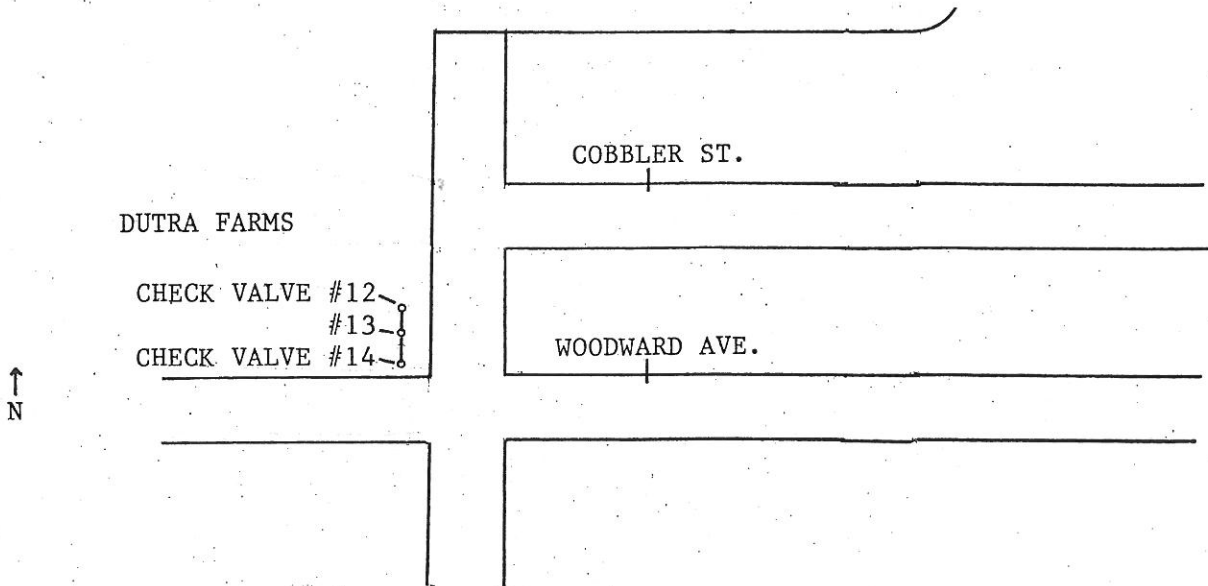
**TYPE OF LINE:** RCP **INSPECTOR:** MARK

**PIPE SIZE:** 36 **INCHES** **PIPE LENGTH:** 352 **FEET**

**DIRECTION OF FLOW:** FROM MANHOLE #: CHECK VALVE #12 TO MANHOLE #: CHECK VALVE #14

**DIRECTION OF MEASUREMENT:** FROM MANHOLE #: CHECK VALVE #12 TO MANHOLE #: CHECK VALVE #14

**VIDEO REF:** DVD # 4 **FROM FRAME:** 00:00 **TO FRAME:** 07:45



**NOTES:** \_\_\_\_\_

<u>FOOTAGE</u>	<u>FRAME</u>	<u>OBSERVATION</u>
0	00:00	START RUN AT CHECK VALVE #2
154	03:05	STANDPIPE
210	04:15	CHECK VALVE #13

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SHEET #: 61

FOOTAGE

FRAME

OBSERVATION

348

06:50

STANDPIPE

352

07:45

END RUN AT CHECK VALVE #14 - LINE ENDS - CAP

CONTINUED ON SHEET #: \_\_\_\_\_

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**DATE:** 3/4/13 **SHEET #:** 62

**PROJECT :** C.C.T.V. INSPECTION OF IRRIGATION LINE IN MANTECA

**CLIENT:** CITY OF MANTECA WASTEWATER QUALITY CONTROL FACILITY

**LOCATION OF LINE:** HEADING WEST ALONG THE NORTHEAST SIDE OF DUTRA FARMS

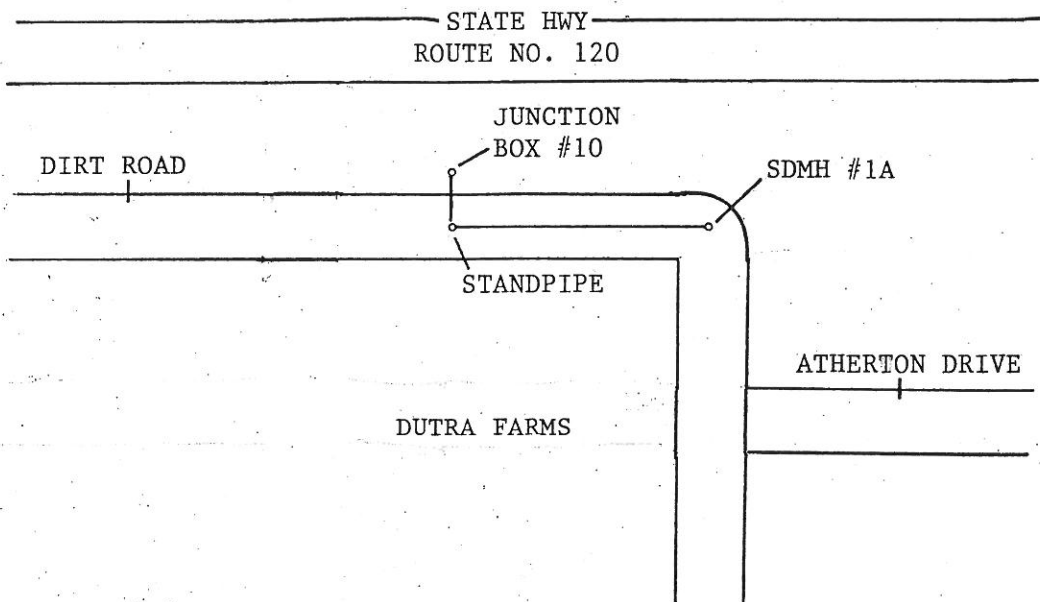
**TYPE OF LINE:** RCP **INSPECTOR:** MARK

**PIPE SIZE:** 36 **INCHES** **PIPE LENGTH:** 353 **FEET**

**DIRECTION OF FLOW:** FROM MANHOLE #: JUNCTION BOX #10 **TO MANHOLE #:** SDMH #1A

**DIRECTION OF MEASUREMENT:** FROM MANHOLE #: SDMH #1A **TO MANHOLE #:** JUNCTION BOX #10

**VIDEO REF:** DVD # 4 **FROM FRAME:** 00:00 **TO FRAME:** 08:30



**NOTES:** \_\_\_\_\_

<u>FOOTAGE</u>	<u>FRAME</u>	<u>OBSERVATION</u>
6	00:00	START RUN AT STORM DRAIN MANHOLE #1A
15	01:00	RADIAL CRACK IN THE PIPE
175	03:40	PIPE TURNS RIGHT
196	04:20	HEAVY DEBRIS IN THE LINE - CONCRETE

TELEVISION INSPECTION LOG SHEET

VIDEO INSPECTION SPECIALISTS, INC.

SHEET #: 63

<u>FOOTAGE</u>	<u>FRAME</u>	<u>OBSERVATION</u>
202	04:45	STANDPIPE
306	06:40	RADIAL CRACK IN THE PIPE
347	07:45	STANDPIPE
353	08:30	END RUN AT JUNCTION BOX #10

CONTINUED ON SHEET #: \_\_\_\_\_