

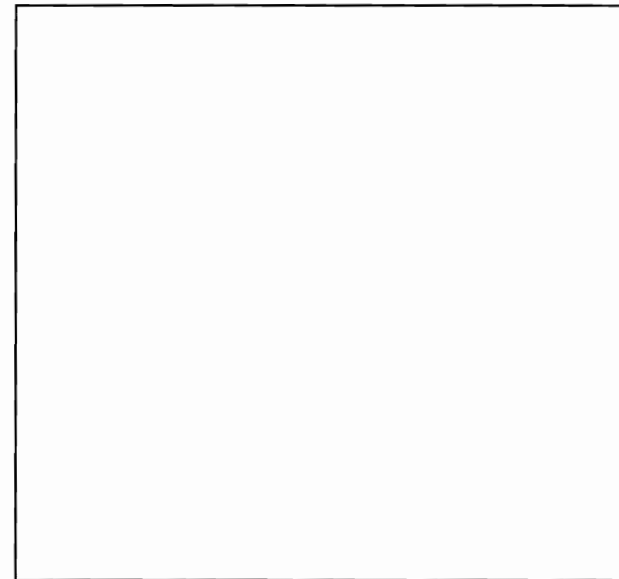
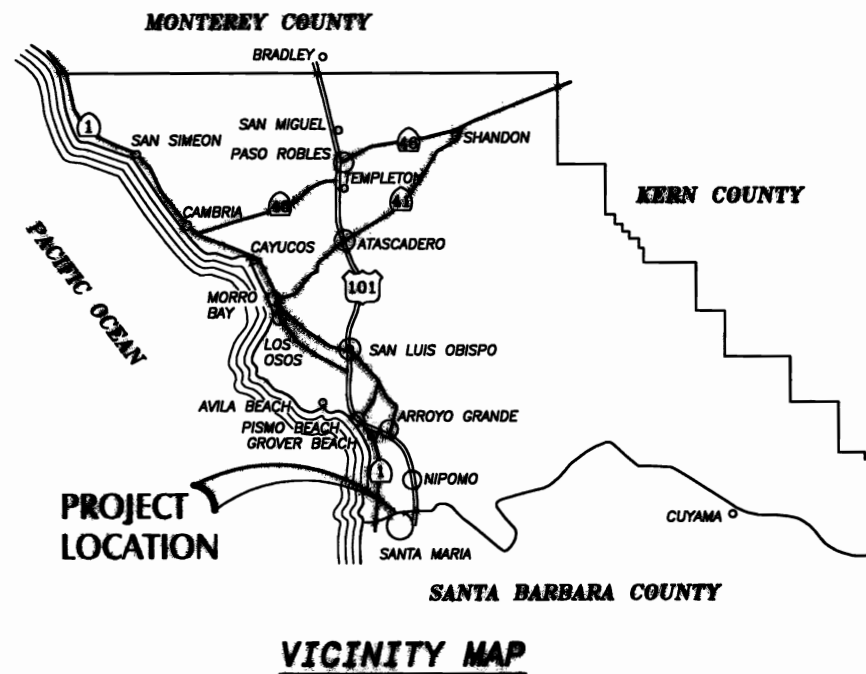
NIPOMO COMMUNITY SERVICES DISTRICT



Construction Plans for
WATERLINE INTERTIE PROJECT
Bid Package 1 (BP-1)
Santa Maria River Crossing
MARCH 2009

AECOM

DWG: H:\Nipomo_CSD (19998)\19998.70 Waterline Intertie Project Design\Drawings\BP-1\WATER_CROSSING\300Plans\G-001.dwg Date: 4/21/2009 - 1:17 PM
 PLOTTED BY: Frowlicher, Jim LAYOUT NAME: G-001 PLOTTED BY: Frowlicher, Jim



SHEET INDEX

SHT. NO.	DWG. NO.	SHEET TITLE
1	G-001	TITLE SHEET
2	G-002	GENERAL NOTES
3	C-101	SITE PLAN - SOUTH
4	C-102	SITE PLAN - NORTH
5	C-201	HOB PROFILE
6	C-401	ENLARGED SITE PLAN - SOUTH
7	C-402	ENLARGED SITE PLAN - NORTH
8	C-403	ENLARGED PROFILE
9	C-501	DETAILS - 1
10	C-502	DETAILS - 2

PROJECT: WATERLINE INTERTIE PROJECT - BP1

CLIENT: NIPOMO COMMUNITY SERVICES DISTRICT

PROJECT MANAGER: MICHAEL MINLEY, PE **DATE:** 2/2008

DESIGNER: CESAR PINERO, PE **DATE:** 2/2008

DRAWING NO.: 00061206

SHEET NO.: 1 **TOTAL SHEETS:** 11

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DWG: N:\Nipomo_CSD (1998)\1998-70 Waterline Interline Project Design Plans\CAD\Planets\BP-L_RIVER CROSSING\JOB\Planets\G-002.dwg Layout Name: G-002 - Plotted by: Freylicher, Jim Date: 4/21/2009 - 1:17 PM
FILES: NCSB-BL-BP1 - Service-StationE IMAGES: Nipomo Logo.dwg

PIPELINE NOTES

HDD NOTES

ABBREVIATIONS

LEGEND

30% DESIGN

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DATE: MARCH 31, 2009

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IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
NOT TO FULL SCALE

REV	DATE	DESCRIPTION	APP
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PROJECT ENGINEER
CESARI, ROMERO

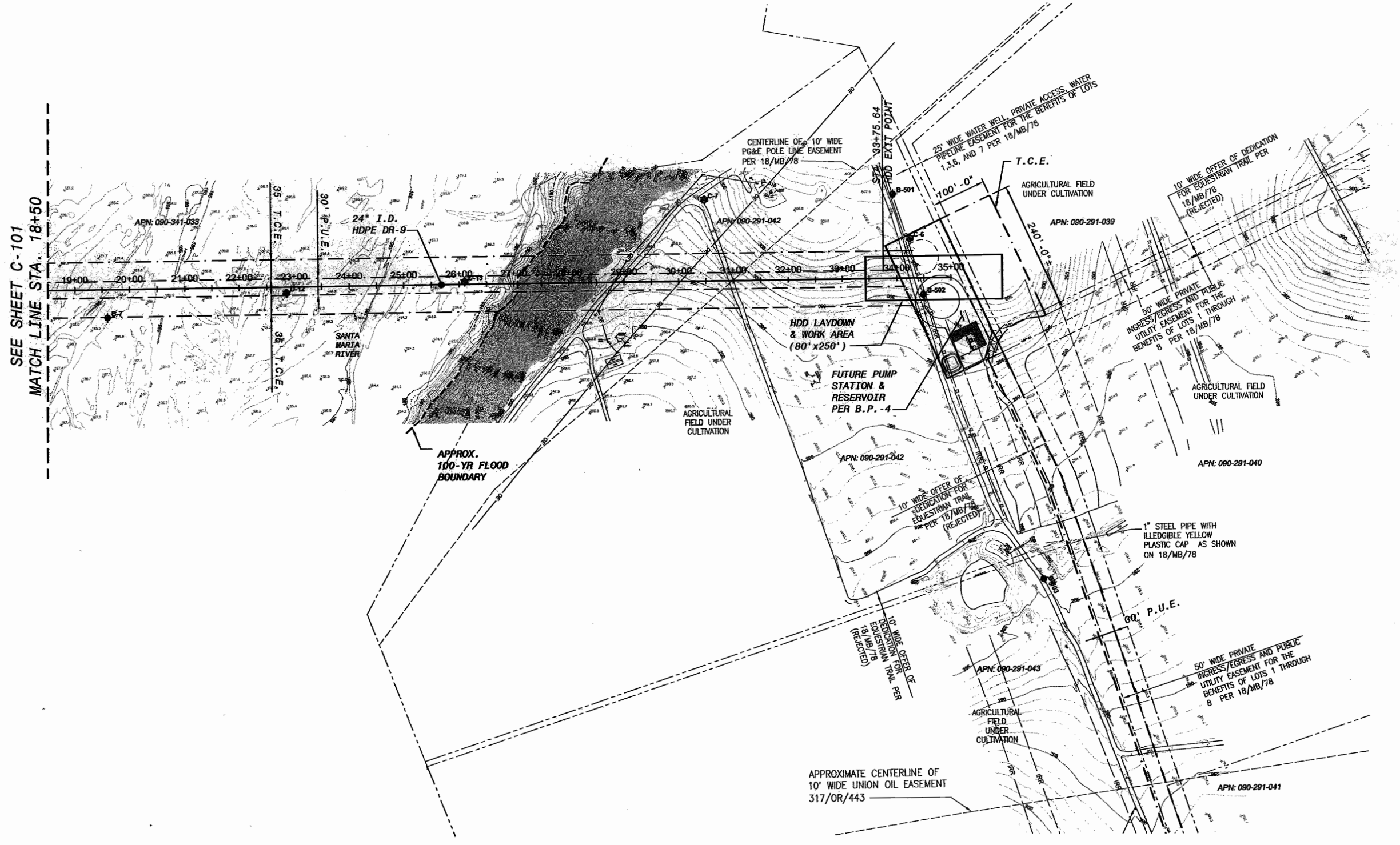
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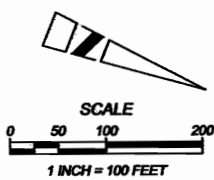
NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERLINE PROJECT - BP1
INDEX AND GENERAL NOTES

DESIGNED: CR
DETAILED: JFF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO.
80061295.0001
NCSO PROJECT NO.
CADD STDS.
BOYLE
G-002
SHEET
2 OF 11

DWG. W: Nipomo_CSD (19998).19998.70 Waterline Interline Project Design\Drawings\Plan\Drawings\APN-101_C-102.dwg Layout Name: C-102 - Plotted by: Froelicher, Jim Date: 4/21/2009 - 1:19 PM
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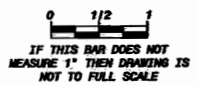


SEE SHEET C-101
 MATCH LINE STA. 18+50



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NO.	REVISION	DATE	BY	APP'D
1	ISSUE FOR PERMIT	06/30/2010	CESAR ROMERO	
2	PROJECT NUMBER	C89166		
3	DESCRIPTION			

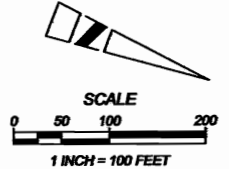
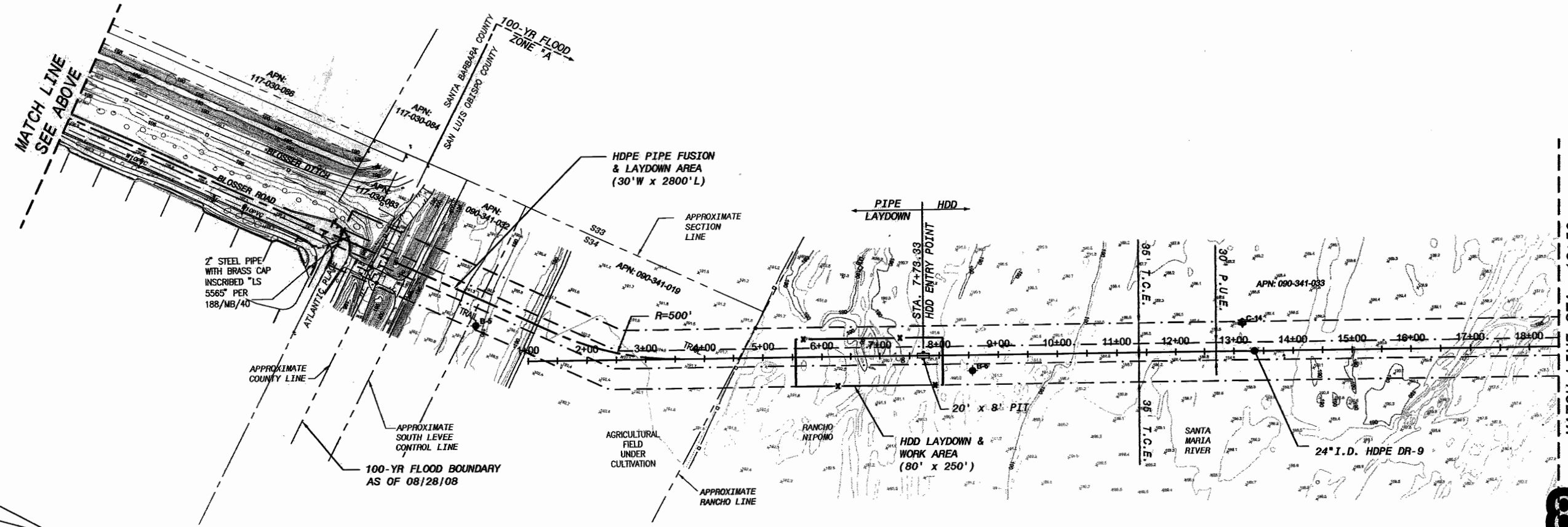
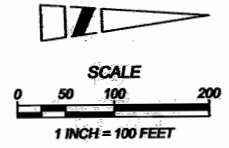
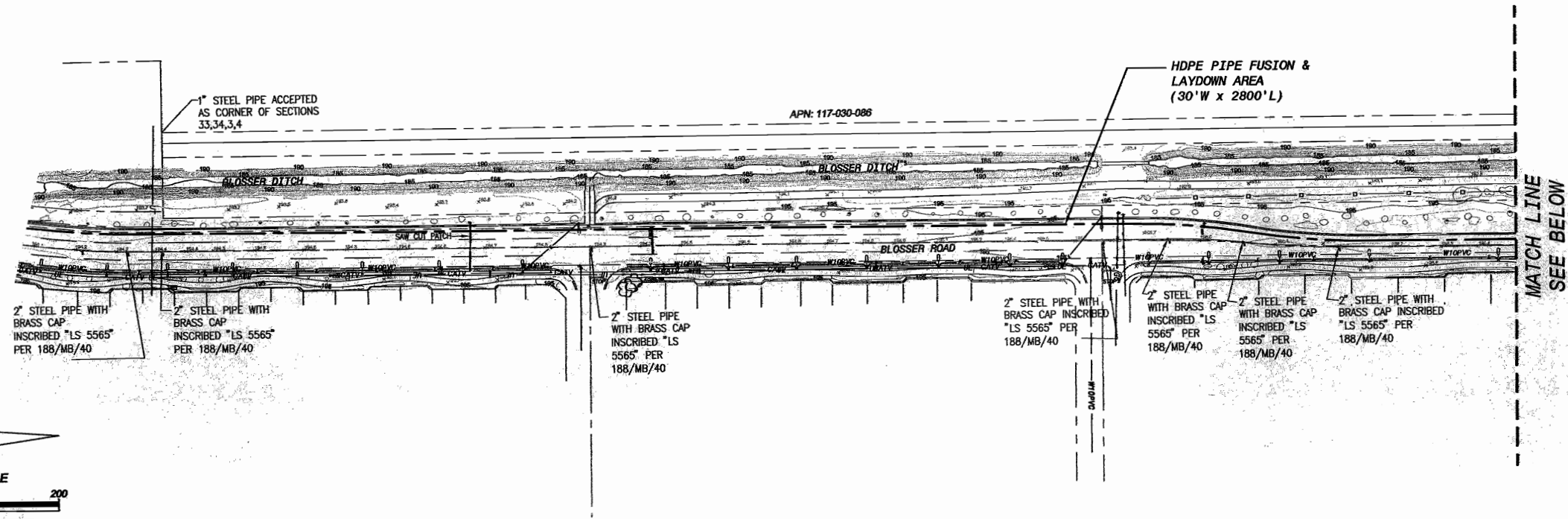
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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERLINE PROJECT - BPI**
 SITE PLAN - NORTH
 STA. 18+50 to STA. 40+42

DESIGNED: CR
DETAILED: JPF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO. 00061295.0001
NCSO PROJECT NO.
CADD STDS. BOYLE
C-102 SHEET 4 OF 11

DWG: W:\Nipomo_CSD (19999)\19999.70 Waterline Interline Project Design Plans\CD\Plan\BPI-1_RIVER_CROSSING\JOB\Plan\BPI-C-101_C-102.dwg Layout Name: C-101 - Plotted by: Froelicher, Jim Date: 4/21/2009 - 1:18 PM
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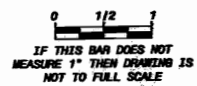


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 DATE: MARCH 31, 2009



Know what's below.
 Call before you dig.



REV	DATE	DESCRIPTION	BY	APP'D
1		PROJECT ESTIMATE	CEGAR ROMERO	
2	08/30/2010			

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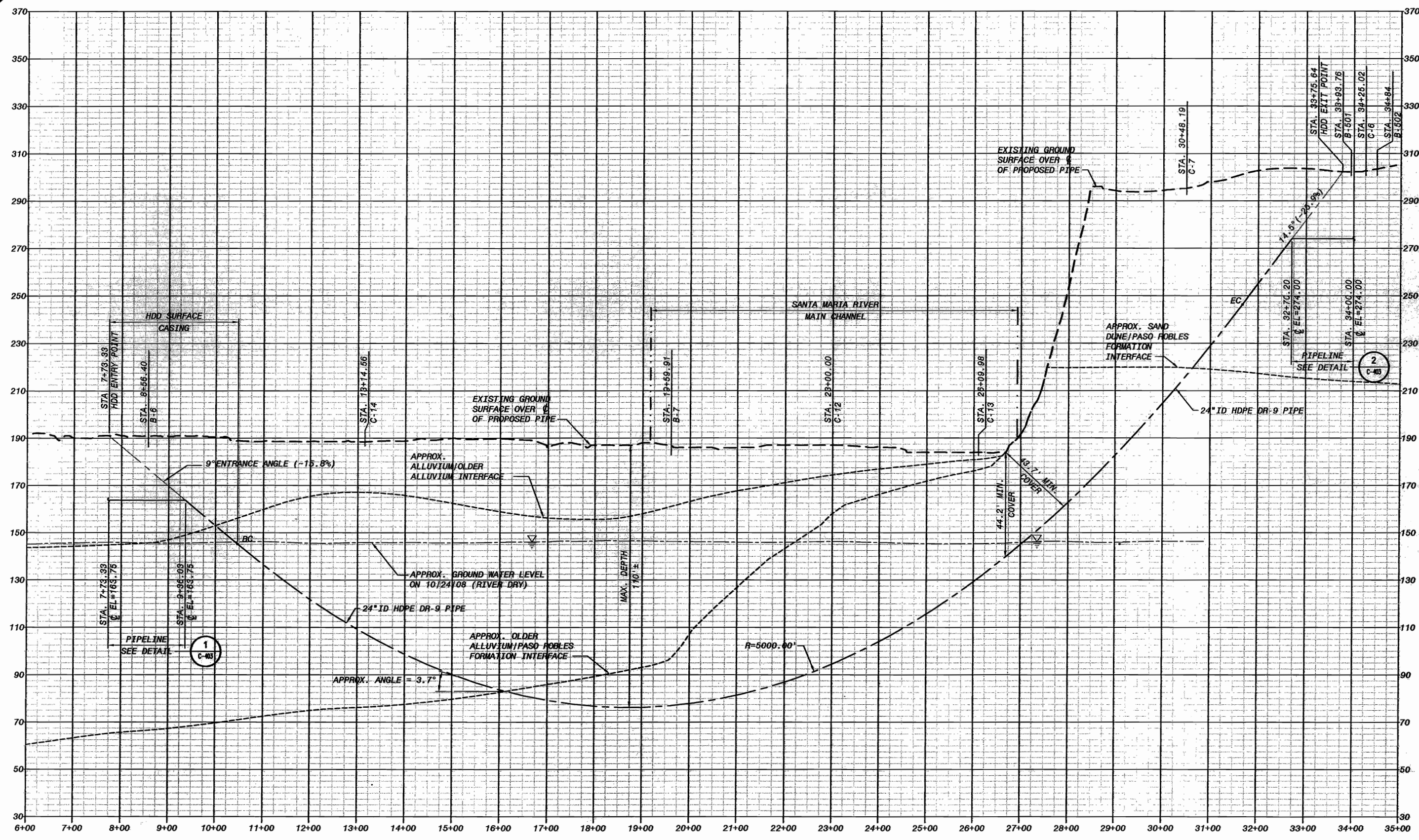
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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERLINE PROJECT - BPI**

**SITE PLAN - SOUTH
 STA. 1+00 to STA. 18+50**

DESIGNED: CR
DETAILED: JPF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO. 80061295.0001
MCSO PROJECT NO.
CADD STDS. BOYLE
C-101
SHEET 3 OF 11

DWG: NIPOMO_CSD (1998) Waterline Inertia Project Design Plans (CADD) Plans (B) - WATER CROSSING (300' Plan) (C-201) .dwg Layout Name: C-201 - Plotted by: Francliner, Jim Date: 4/21/2009 - 1:19 PM
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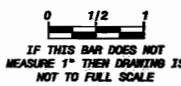


VERTICAL CURVE DATA				
CURVE	RADIUS	DELTA	LENGTH	TANGENT
1	5000.00'	24° 23' 48"	2122.93'	1086.22'

STATION LENGTH = 2602.31'
 HDD PATH LENGTH = 2632.16'

PROFILE SCALE
 HORIZONTAL 1"=100'
 VERTICAL 1"=20'

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AECOM <small>AECOM USA, Inc. 114 Pacific Street, Suite 204 San Francisco, CA 94111 T: 415.436.8840 F: 415.436.8880 www.aecom.com</small>	NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INERTIE PROJECT - BPI	HDD PROFILE STA. 6+00 to STA. 35+00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DESIGNED: CR</td> <td style="width: 25%;">DATE: MARCH 2009</td> <td style="width: 25%;">PROJECT NUMBER: C89186</td> <td style="width: 25%;">APPR DATE: 06/30/2010</td> </tr> <tr> <td>DETAILED: JPF</td> <td>AECOM PROJECT NO. 60081295.0001</td> <td>PROJECT MANAGER: CESAR ROMERO</td> <td></td> </tr> <tr> <td>CHECKED:</td> <td>NCS0 PROJECT NO.</td> <td></td> <td></td> </tr> <tr> <td>APPROVED:</td> <td>CADD STDS. BOYLE</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">C-201</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">SHEET 5 OF 11</td> <td></td> <td></td> </tr> </table>	DESIGNED: CR	DATE: MARCH 2009	PROJECT NUMBER: C89186	APPR DATE: 06/30/2010	DETAILED: JPF	AECOM PROJECT NO. 60081295.0001	PROJECT MANAGER: CESAR ROMERO		CHECKED:	NCS0 PROJECT NO.			APPROVED:	CADD STDS. BOYLE				C-201				SHEET 5 OF 11		
DESIGNED: CR	DATE: MARCH 2009	PROJECT NUMBER: C89186	APPR DATE: 06/30/2010																								
DETAILED: JPF	AECOM PROJECT NO. 60081295.0001	PROJECT MANAGER: CESAR ROMERO																									
CHECKED:	NCS0 PROJECT NO.																										
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	C-201																										
	SHEET 5 OF 11																										

NIPOMO COMMUNITY SERVICES DISTRICT

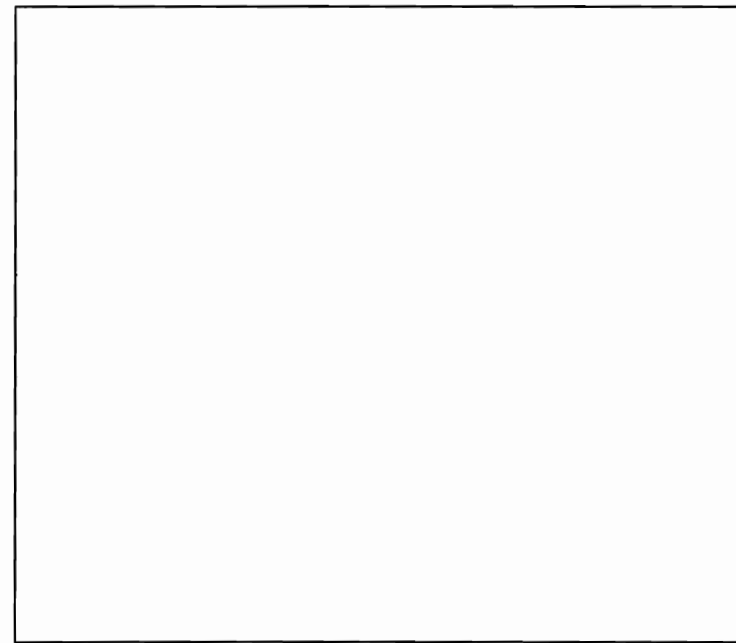
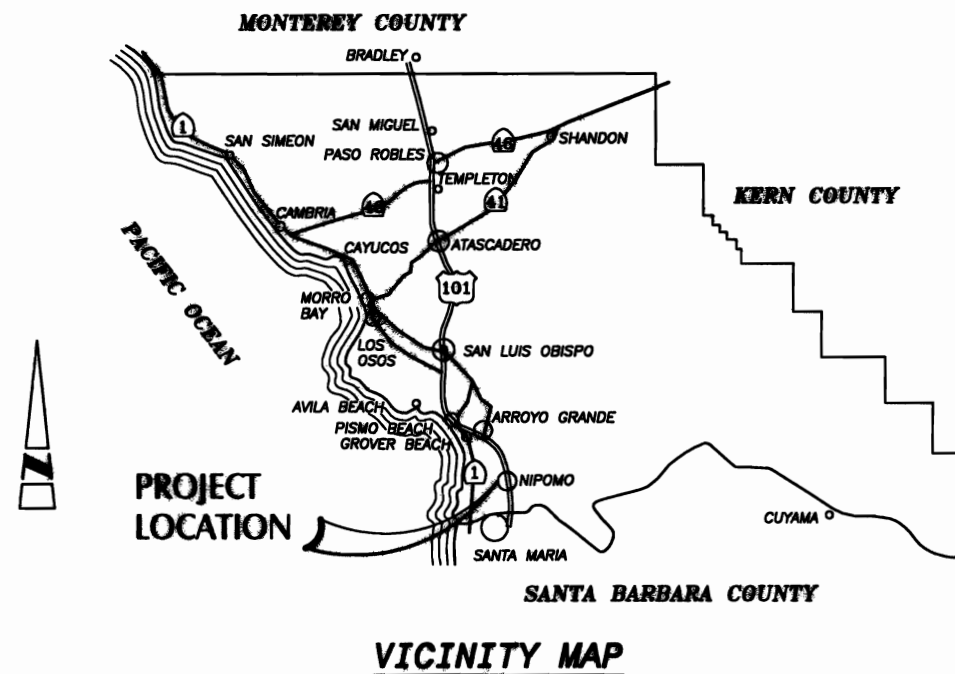


Construction Plans for WATERLINE INTERTIE PROJECT Bid Package 2

Nipomo Area Pipeline Improvements March 2009

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 XREFS: W:\AECOM\Nipomo\Map.dwg



**PRELIMINARY PLANS FOR ALIGNMENT REVIEW - NOT FOR CONSTRUCTION

PROJECT	WATERLINE INTERTIE PROJECT - BP2	
CLIENT	NIPOMO COMMUNITY SERVICES DISTRICT	
APPROVED BY:		
DATE:		
PROJECT NUMBER		
DESIGNED BY	MICHAEL MUNLEY, PE	2/2008
CHECKED BY	JOSHUA REYNOLDS, PE	2/2008
FILE NUMBER	60081285	
SCALE	1" = 64'	
AECOM Water	AECOM	
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DWG: \\Nipomo_CSD\1999670 Waterline Interim Project Design\Plan\CAO\Plan\BP-2_NIPOMO PIPELINE\JOB Plans\G-002.dwg Layout Name: G-002 - Plotted by: Fraelicher, Jim Date: 4/27/2009 - 2:53 PM
REFS: NCSD-BP2
IMAGES: Nipomo_log.jpg

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DATE: MARCH 31, 2009

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NOT TO FULL SCALE

DESIGNED: JR
DETAILED: JPF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO.
60061295.0001
NCSD PROJECT NO.

CADD STDS.
BOYLE
G-002
SHEET
2 OF 64

**NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERTIE PROJECT - BP2**

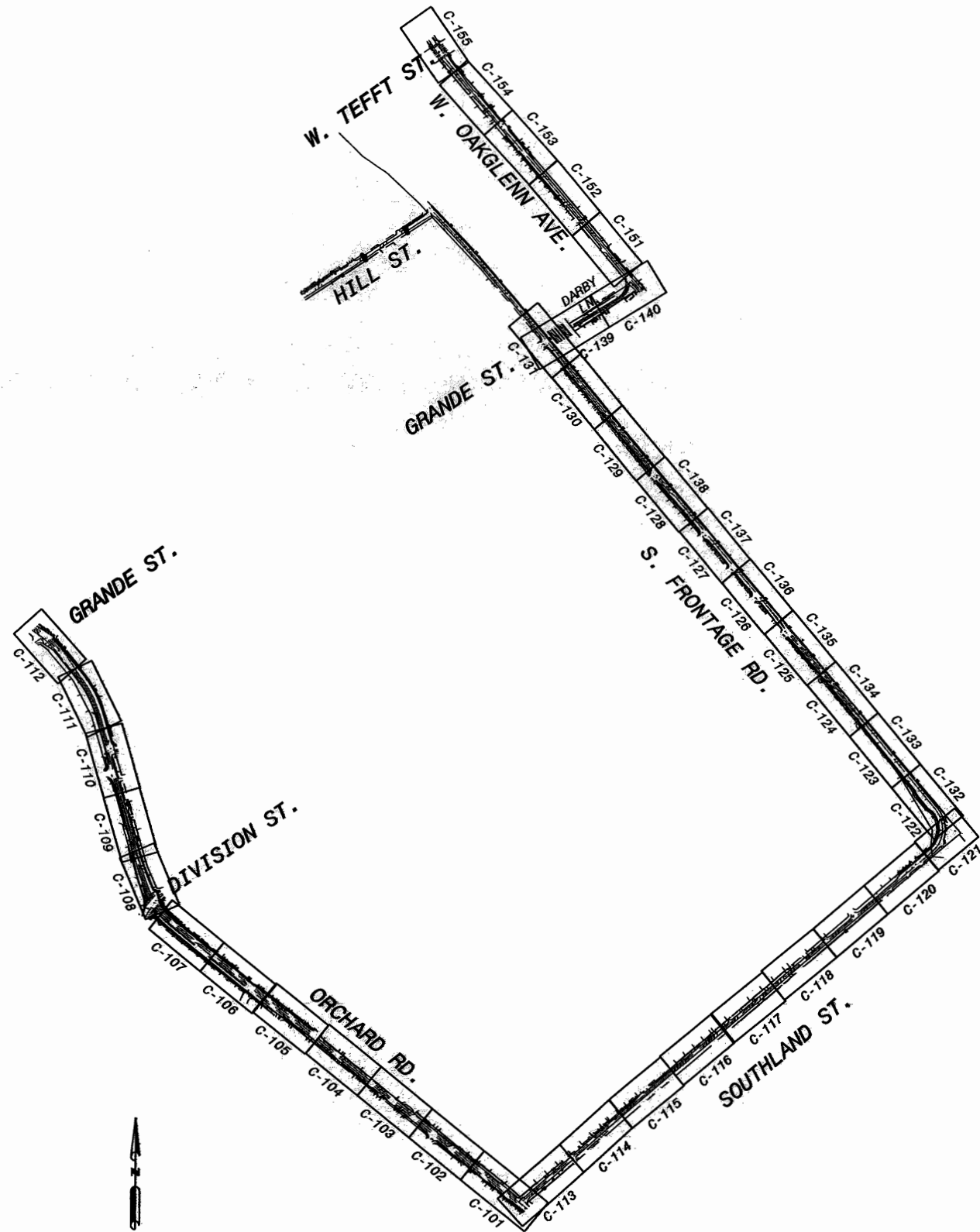
GENERAL NOTES



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REV	DATE	DESCRIPTION	APPR
1	09-30-2009	PROJECT NUMBER CBS400	
2		PROJECT ENGINEER JESSICA H. REYNOLDS	

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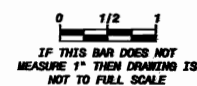
SHEET INDEX
 SCALE: 1" = 500'



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2	G-002	GENERAL NOTES
3	G-003	SHEET INDEX
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4	C-102	ORCHARD RD. PLAN & PROFILE-STA. 1004+00 to 1009+00
5	C-103	ORCHARD RD. PLAN & PROFILE-STA. 1009+00 to 1013+50
6	C-104	ORCHARD RD. PLAN & PROFILE-STA. 1013+50 to 1018+00
7	C-105	ORCHARD RD. PLAN & PROFILE-STA. 1018+00 to 1022+50
8	C-106	ORCHARD RD. PLAN & PROFILE-STA. 1022+50 to 1027+00
9	C-107	ORCHARD RD. PLAN & PROFILE-STA. 1027+00 to 1031+50
10	C-108	ORCHARD RD. PLAN & PROFILE-STA. 1031+50 to 1036+00
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12	C-110	ORCHARD RD. PLAN & PROFILE-STA. 1040+50 to 1045+00
13	C-111	ORCHARD RD. PLAN & PROFILE-STA. 1045+00 to 1049+50
14	C-112	ORCHARD RD. PLAN & PROFILE-STA. 1049+50 to 1053+00
15	C-113	SOUTHLAND ST. PLAN & PROFILE-STA. 2001+00 to 2004+50
16	C-114	SOUTHLAND ST. PLAN & PROFILE-STA. 2004+50 to 2009+00
17	C-115	SOUTHLAND ST. PLAN & PROFILE-STA. 2009+00 to 2013+50
18	C-116	SOUTHLAND ST. PLAN & PROFILE-STA. 2013+50 to 2018+00
19	C-117	SOUTHLAND ST. PLAN & PROFILE-STA. 2018+00 to 2022+50
20	C-118	SOUTHLAND ST. PLAN & PROFILE-STA. 2022+50 to 2027+00
21	C-119	SOUTHLAND ST. PLAN & PROFILE-STA. 2027+00 to 2031+50
22	C-120	SOUTHLAND ST. PLAN & PROFILE-STA. 2031+50 to 2036+00
23	C-121	SOUTHLAND ST. PLAN & PROFILE-STA. 2036+00 to 2039+00
24	C-122	S. FRONTAGE RD WATER PLAN & PROFILE-STA. 3001+00 to 3004+50
25	C-123	S. FRONTAGE RD. WATER PLAN & PROFILE-STA. 3004+50 to 3009+00
26	C-124	S. FRONTAGE RD. WATER PLAN & PROFILE-STA. 3009+00 to 3013+50
27	C-125	S. FRONTAGE RD. WATER PLAN & PROFILE-STA. 3013+50 to 3018+00
28	C-126	S. FRONTAGE RD. WATER PLAN & PROFILE-STA. 3018+00 to 3022+50
29	C-127	S. FRONTAGE RD. WATER PLAN & PROFILE-STA. 3022+50 to 3027+00
30	C-128	S. FRONTAGE RD. WATER PLAN & PROFILE-STA. 3027+00 to 3031+50
31	C-129	S. FRONTAGE RD. WATER PLAN & PROFILE-STA. 3031+50 to 3036+00
32	C-130	S. FRONTAGE RD. WATER PLAN & PROFILE-STA. 3036+00 to 3040+50
33	C-131	S. FRONTAGE RD. WATER PLAN & PROFILE-STA. 3040+50 to 3043+00
34	C-132	S. FRONTAGE RD. SEWER PLAN & PROFILE-STA. 5001+00 to 5004+50
35	C-133	S. FRONTAGE RD. SEWER PLAN & PROFILE-STA. 5004+50 to 5009+00
36	C-134	S. FRONTAGE RD. SEWER PLAN & PROFILE-STA. 5009+00 to 5013+50
37	C-135	S. FRONTAGE RD. SEWER PLAN & PROFILE-STA. 5013+50 to 5018+00
38	C-136	S. FRONTAGE RD. SEWER PLAN & PROFILE-STA. 5018+00 to 5022+50
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43	C-151	S. OAKGLEN AVE. PLAN & PROFILE-STA. 4008+50 to 4013+00
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45	C-153	S. OAKGLEN AVE. PLAN & PROFILE-STA. 4017+50 to 4022+00
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48	C-401	ORCHARD RD. PRV STATION PLAN & SECTIONS
49	C-402	SOUTHLAND ST. PRV STATION PLAN & SECTIONS
50	C-403	S. FRONTAGE RD. PRV STATION PLAN & SECTIONS
51	C-404	S. OAKGLENN AVE. PRV STATION PLAN & SECTIONS
52	C-405	ISOLATION VALVE LOCATIONS & DETAILS
53	C-406	PRV DETAILS
54	C-501	ORCHARD DETAILS
55	C-502	SOUTHLAND RD. DETAILS
56	C-503	S. FRONTAGE RD. WATER DETAILS
57	C-504	S. FRONTAGE RD. SEWER DETAILS - 1
58	C-505	S. FRONTAGE RD. SEWER DETAILS - 2
59	C-506	BORE AND JACK DETAILS
60	C-507	S. OAKGLENN AVE. DETAILS
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63	C-510	GENERAL SEWER SYSTEM DETAILS - 1
64	C-511	GENERAL SEWER SYSTEM DETAILS - 2

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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERTIE PROJECT - BP2**

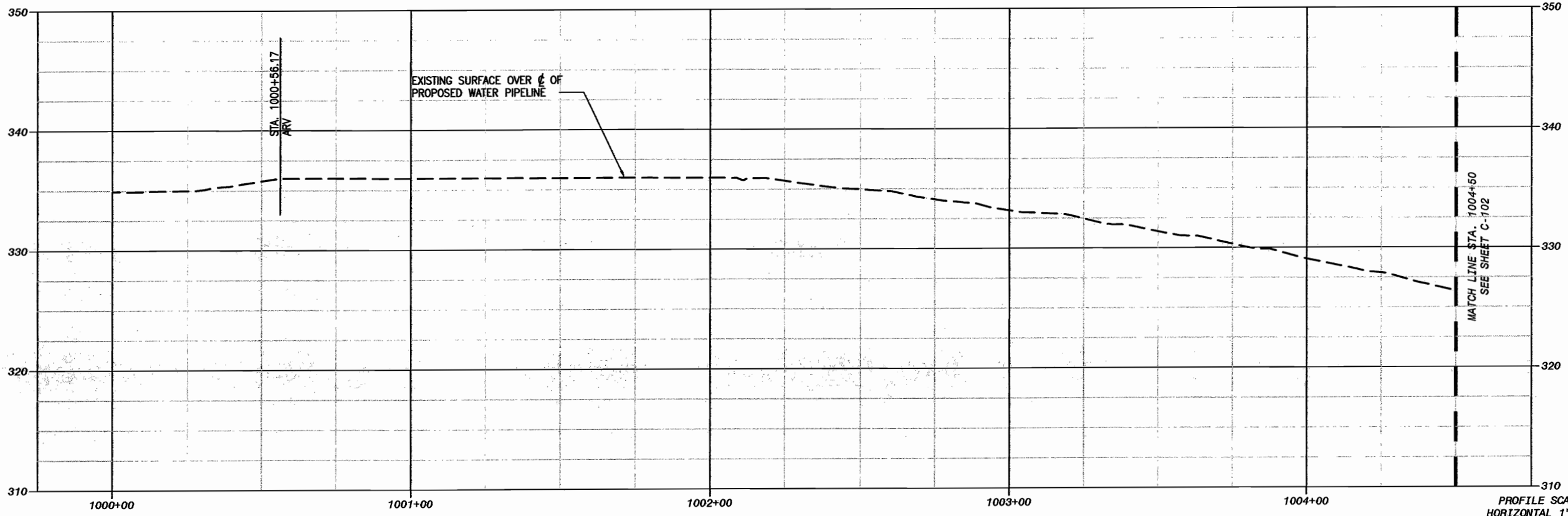
SHEET INDEX

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 APPROVED:
 DATE: MARCH 2009
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 NCSO PROJECT NO.

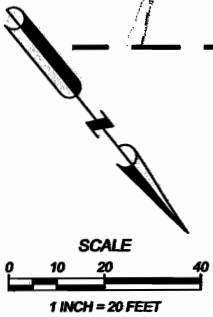
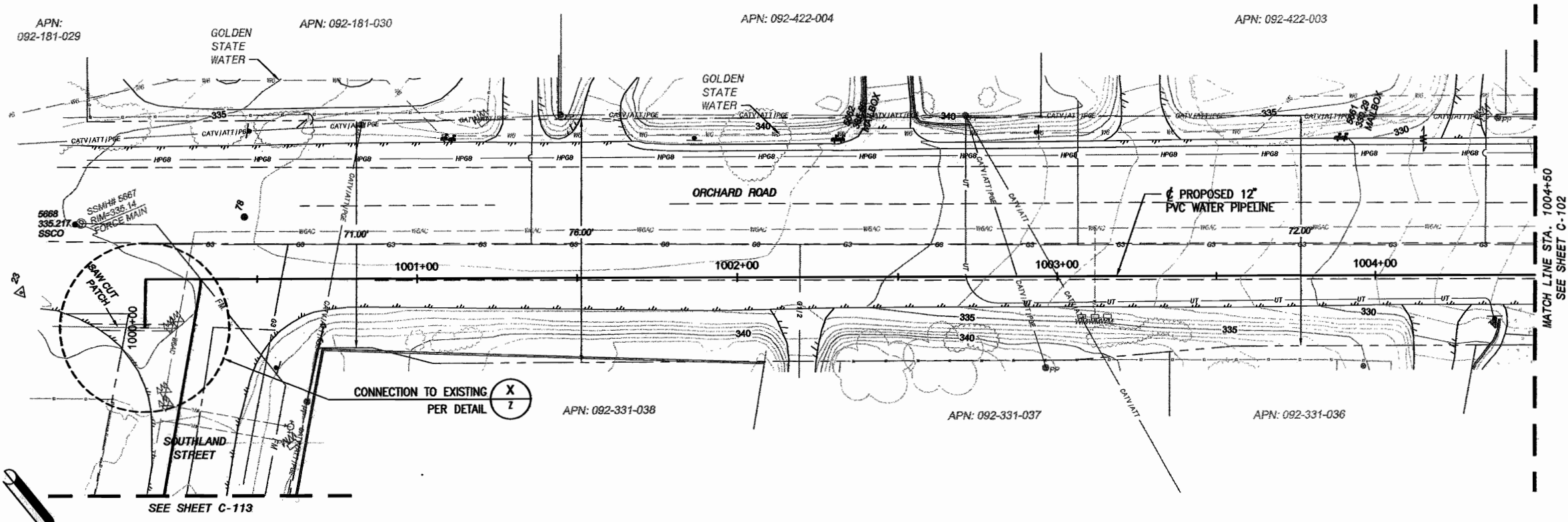
CADD STDS.
 BOYLE
G-003
 SHEET
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REVISIONS
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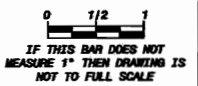
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 DATE: 4/27/2009 1:08 PM
 PLOTTED BY: FROELICHER, JIM
 PLotted: 4/27/2009 1:08 PM



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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 DATE: MARCH 31, 2009



APPR	
DATE	09/30/2009
PROJECT NUMBER	C85400
PROJECT ENGINEER	JOSHUA H. REYNOLDS

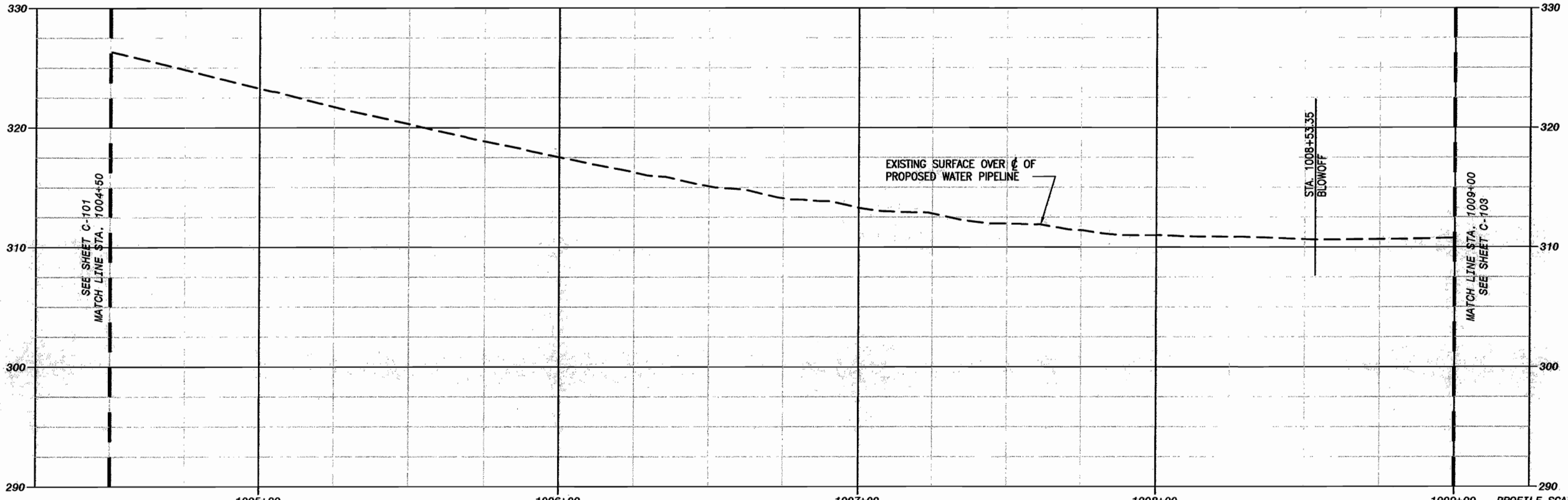
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 1000 Wilshire Blvd, Suite 200
 San Francisco, CA 94101
 T 800.542.3900 F 415.433.8200
 www.aecom.com

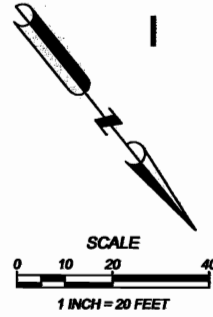
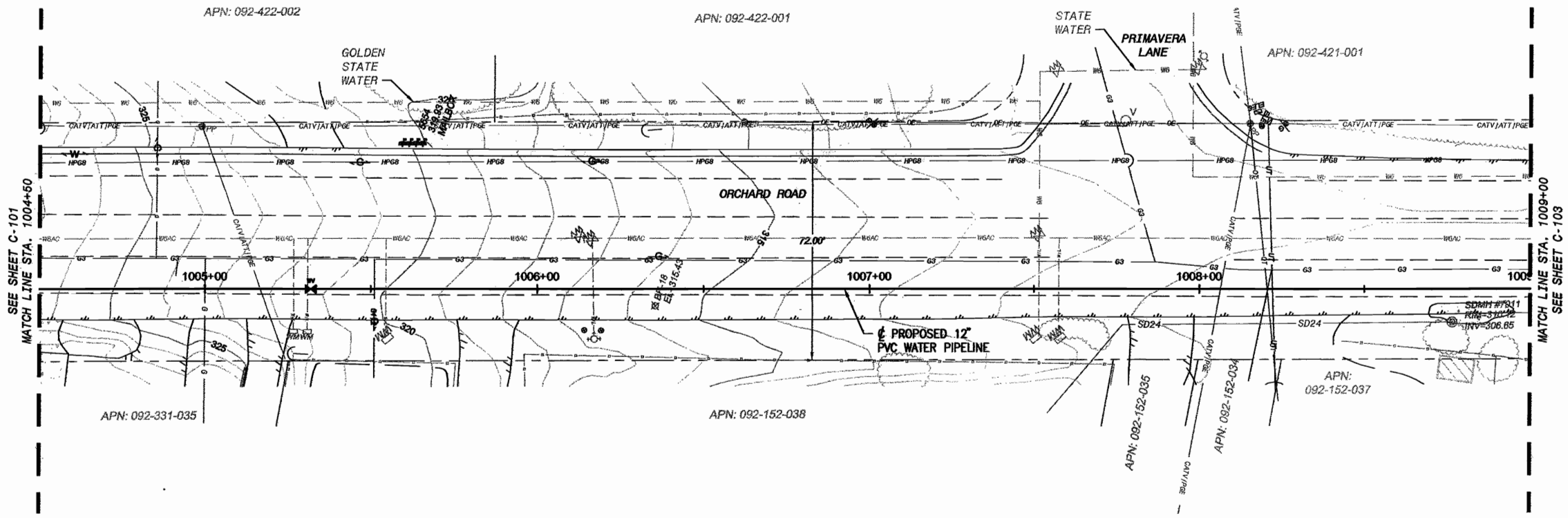
NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERLINE PROJECT - BP2
ORCHARD STREET
PLAN AND PROFILE
STA 1000+00 TO 1004+50

DESIGNED: JFR
DETAILED: JFF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO. 00061285.0001
NCSO PROJECT NO.
CADD STDS. BOYLE
C-101
SHEET 3 OF 64

D:\CADD\19986.70\Waterline\Harris\Project Design\Plan\A\Plan\A-C-101.dwg - Plotted by: Frenelcher, Jim Date: 4/27/2009 - 1:09 PM
 XREFS: NCS-D-BD-BP2 - WallaceBose - figure points - Surface-Sections-4-5 - Ex-Utilline
 WAGES: Nipomo Topograp - Santa Maria Waterline-1.dwg - Santa Maria Waterline-2.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



AECOM WATER
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 DATE: MARCH 31, 2009

IF THIS BAR DOES NOT
 MEASURE 1" THEN DIMENSIONS IS
 NOT TO FULL SCALE

APPRI	09/30/2009
REP NUMBER	065-000
DESCRIPTION	
DATE	
PROJECT ENGINEER	JOSHUA H RETNOLDS

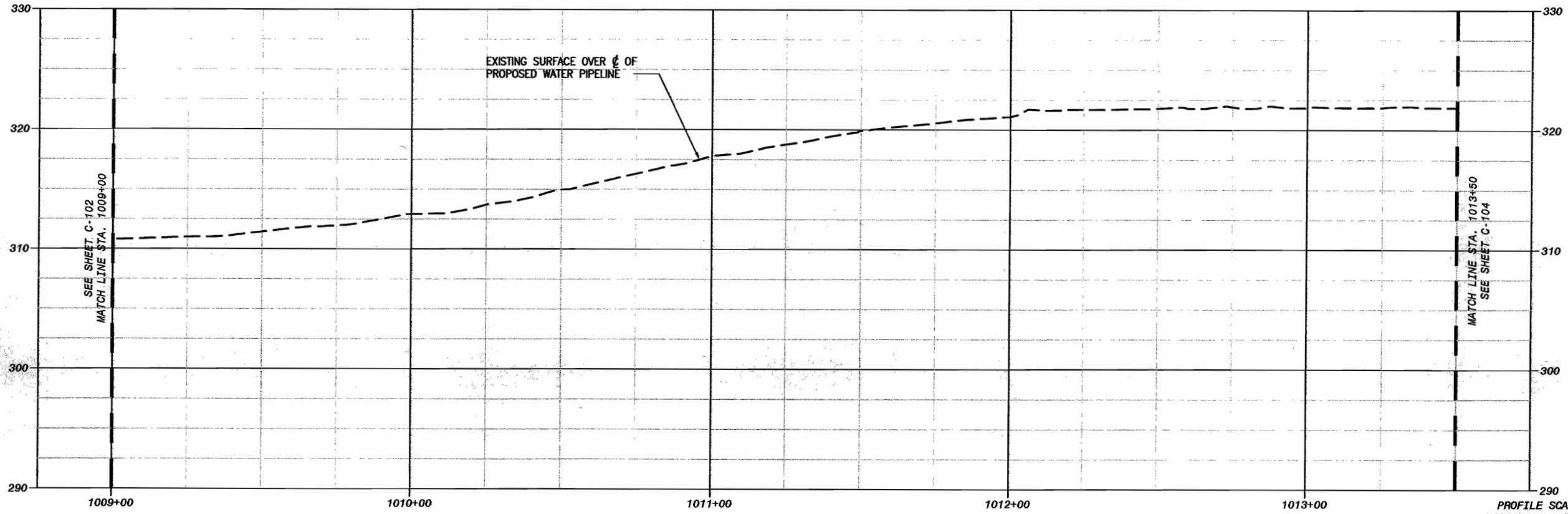
AECOM
 AECOM USA, Inc.
 1194 Pacific Street, Suite 204
 San Luis Obispo, California 93401
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 www.aecom.com

NIPOMO COMMUNITY SERVICES DISTRICT - BP2
WATERLINE INTERTIE PROJECT - BP2
ORCHARD STREET
PLAN AND PROFILE
STA 1004+50 TO 1009+00

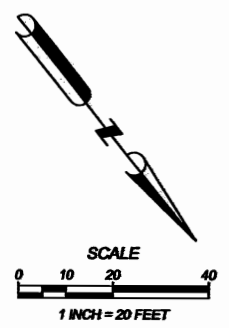
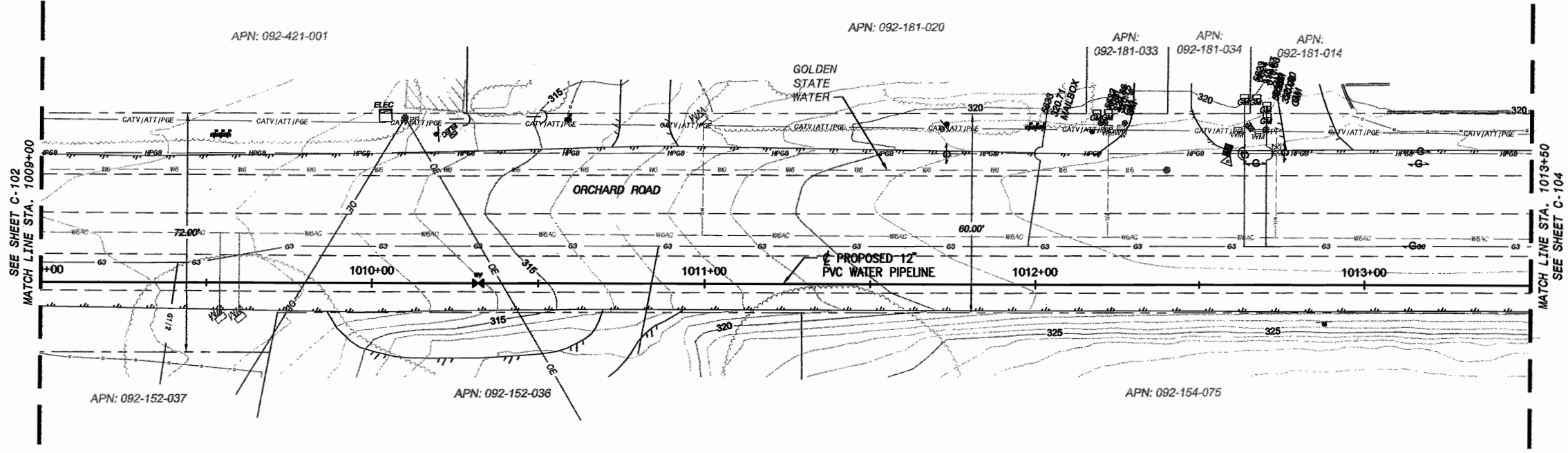
DESIGNED: JHR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 60061295.0001
 NCS-D PROJECT NO.

CADD STDS.
 BOYLE
C-102
 SHEET
 4 OF 64

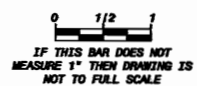
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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

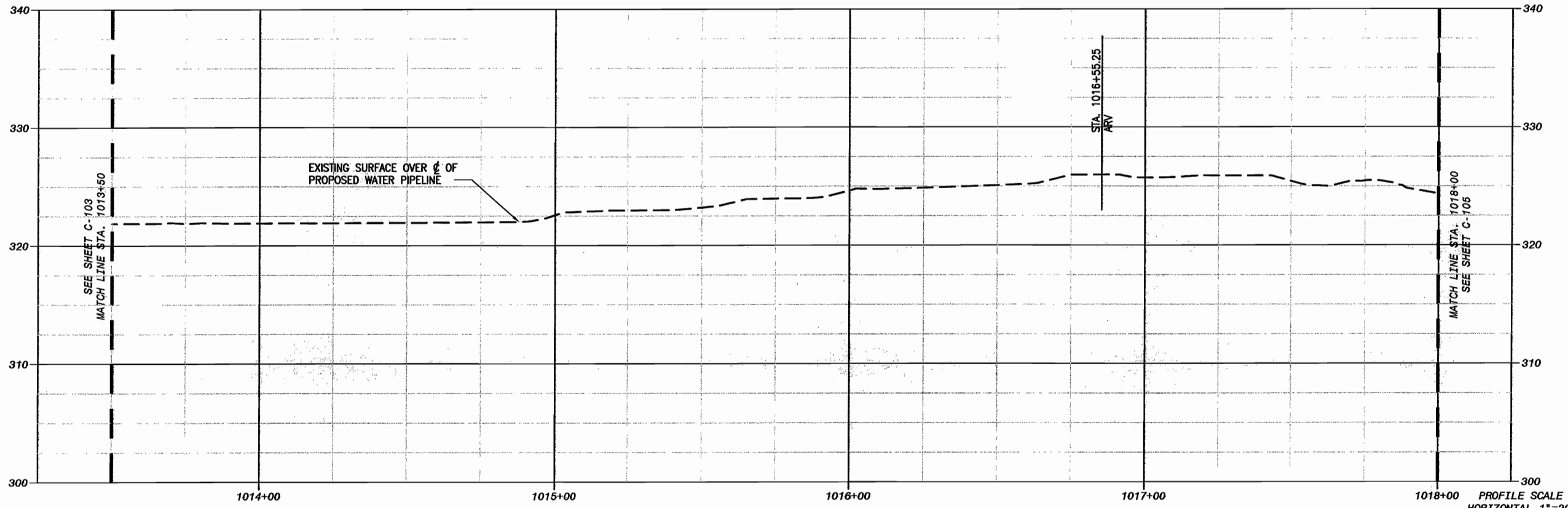


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 DATE: MARCH 31, 2009

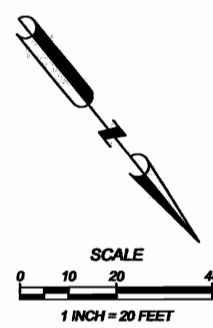
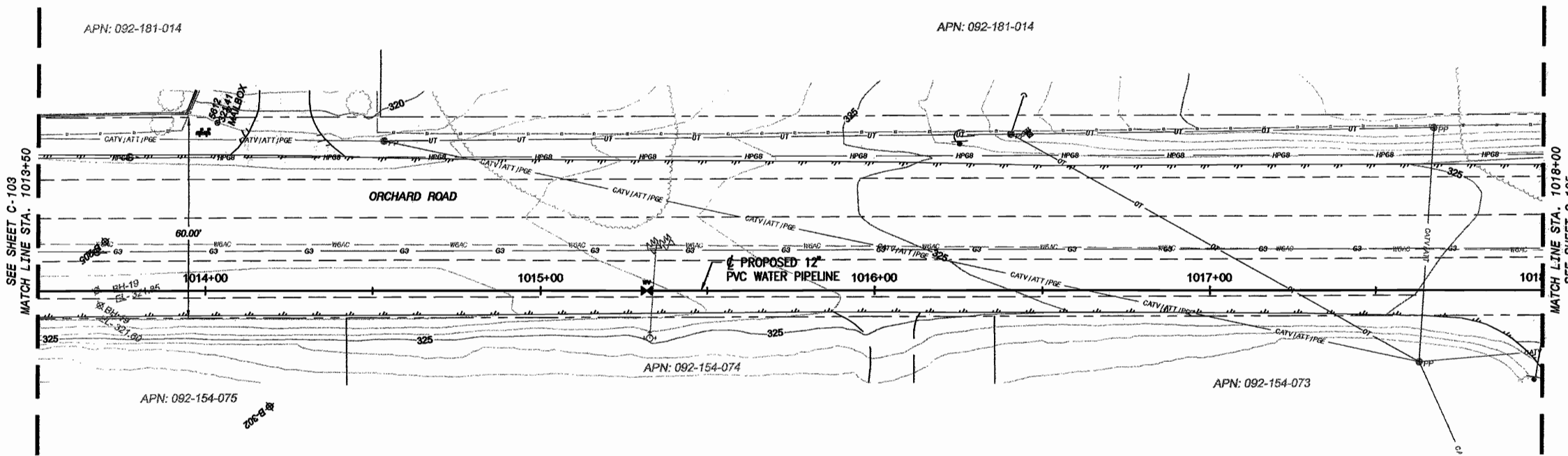


AECOM	
AECOM USA, Inc. 1104 Pacific Street, Suite 204 San Luis Obispo, California 93401 T 805.542.8840 F 805.542.8890 www.aecom.com	PROJECT ENGINEER JOSHUA H. REYNOLDS
DESIGNER: JFR DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009	DESCRIPTION REG NUMBER C65400
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP2	
ORCHARD STREET PLAN AND PROFILE STA 1009+00 to STA. 1013+50	
C-103 SHEET 5 OF 64	

D:\WC\Nipomo_CSD\1999\70 Waterline Interline Project Design\Drawings\BP-2\NIPOMO_WATERLINE_BP-2.dwg
 User: JHW Date: 4/27/2009 1:10 PM
 XREFS: NCSO-BD_BP2 - WallchartBase - figure points - Surface-Sections-4-5 - EX-Utilities IMAGES: Nipomo logo.jpg - Santa Maria Waterline-1.dwg - Santa Maria Waterline-2.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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 DATE: MARCH 31, 2009

0 1/2 1
 IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

APP#	09/30/2009
DESCRIPTION	C65400
REP NUMBER	
DATE	
PROJECT ENGINEER	JOSHUA H. REYNOLDS

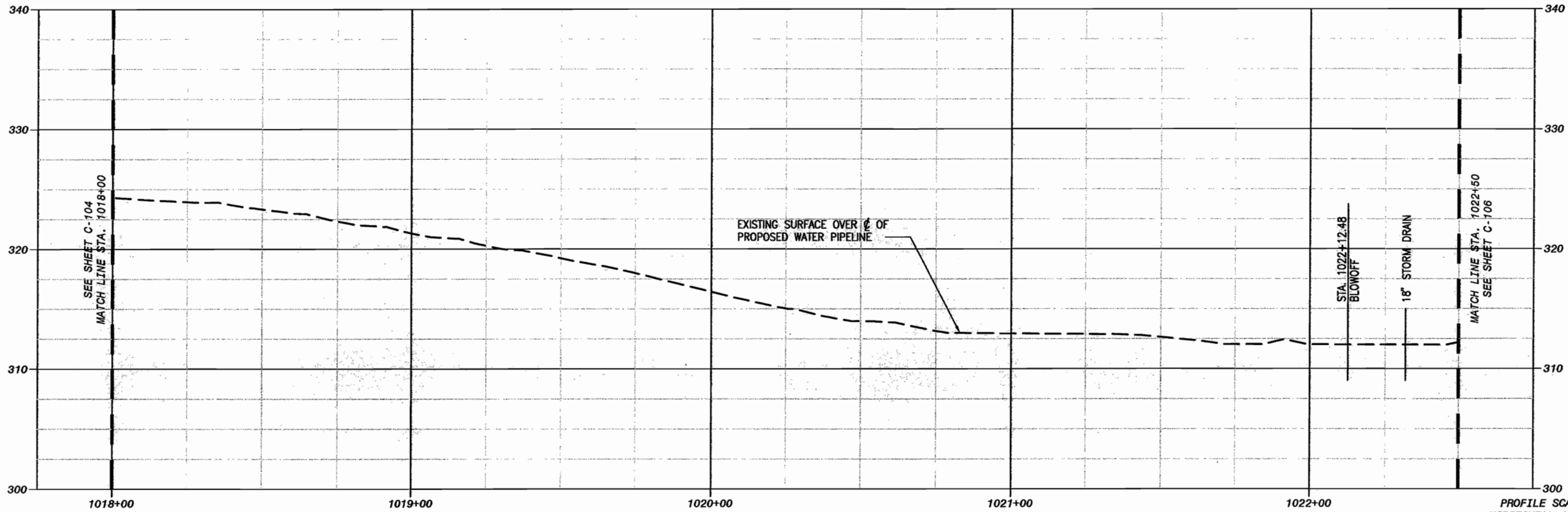
AECOM
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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERLINE PROJECT - BP2
 ORCHARD STREET
 PLAN AND PROFILE
 STA 1013+50 to STA. 1018+00**

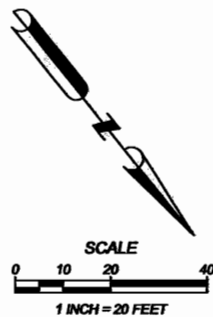
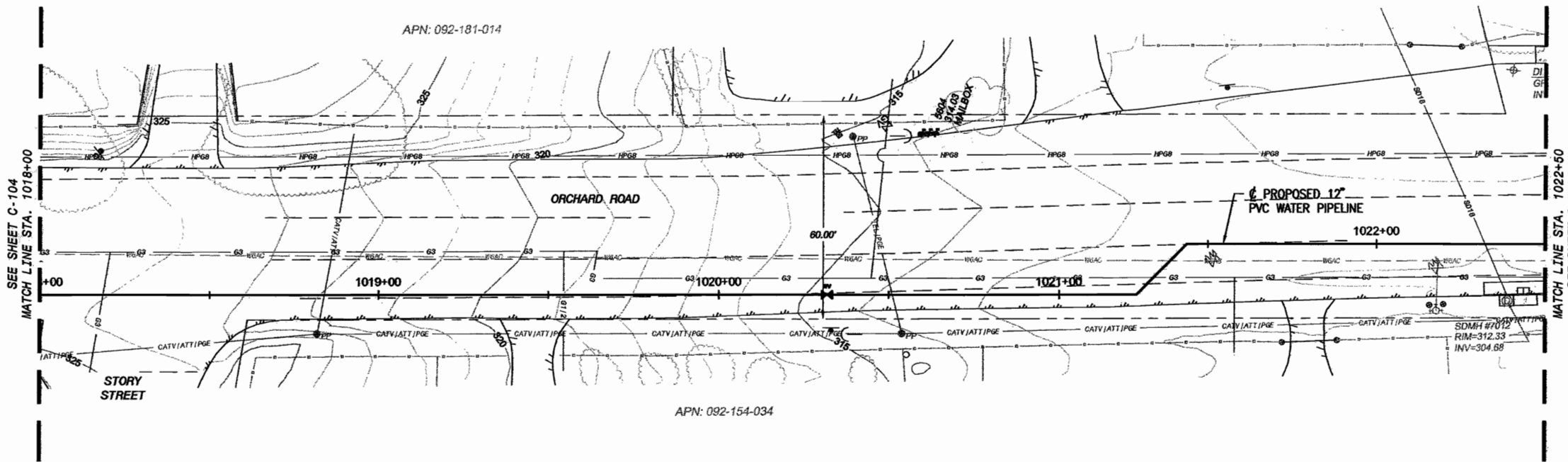
DESIGNED: JHW
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 80081295.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-104
 SHEET
 6 OF 64

C:\Users\jcsd\1088670\Waterline\Interline\Project Design\Drawings\Plan\CD\Plan\CD-101 to C-112.dwg Layout Name: C-105 - Plotted by: Freilicher, Jim Date: 4/27/2009 - 1:10 PM
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 XREFS: NCSO-BL-BP2 - Waterline - Dgn points - Survey - Sections - 1-3 - C-105.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

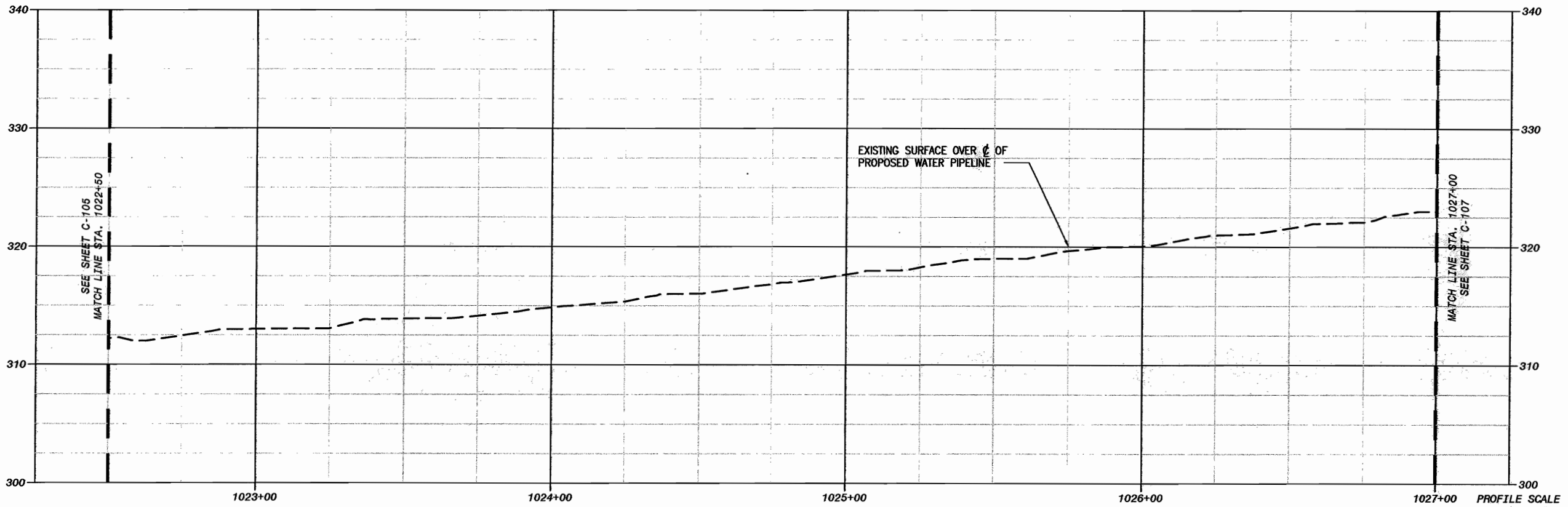


AECOM WATER
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 DATE: MARCH 31, 2009

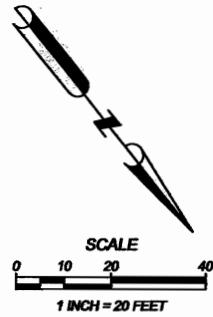
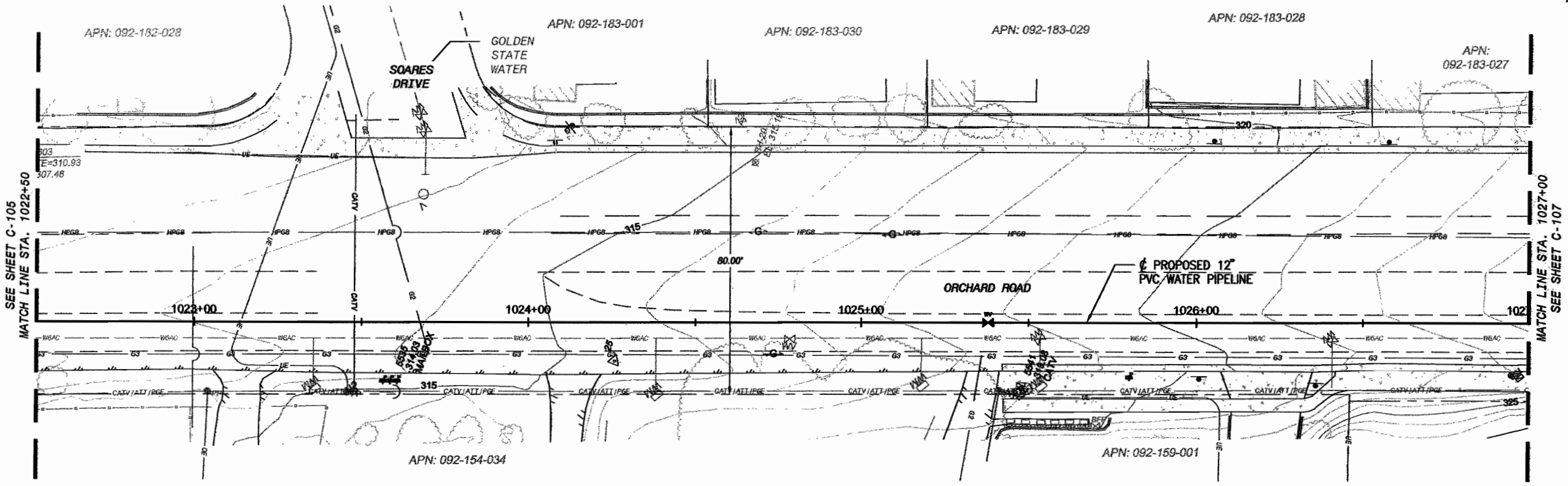
0 1/2 1
 IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

AECOM	
AECOM USA, Inc. 1114 Pacific Street, Suite 204 San Jose, CA 95128 P: 408.434.2000 F: 408.434.2000 www.aecom.com	PROJECT ENGINEER JOSHUA H. REYNOLDS DESCRIPTION REYNOLDS C85400 APPR DATE 09/30/2009
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP2	
ORCHARD STREET PLAN AND PROFILE STA 1018+00 to STA. 1022+50	
DESIGNED: JWR DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 80081295.0001 NCSO PROJECT NO.	CADD STDS. BOYLE C-105 SHEET 7 OF 64

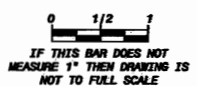
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 IMAGES: Nipomo Topoglog - Santa Maria Waterline-1.dwg - Santa Maria Waterline-2.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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 DATE: MARCH 31, 2009



APP'D	DATE	DESCRIPTION	REV
JOSHUA H. REYNOLDS	09/30/2009	C65-400	01

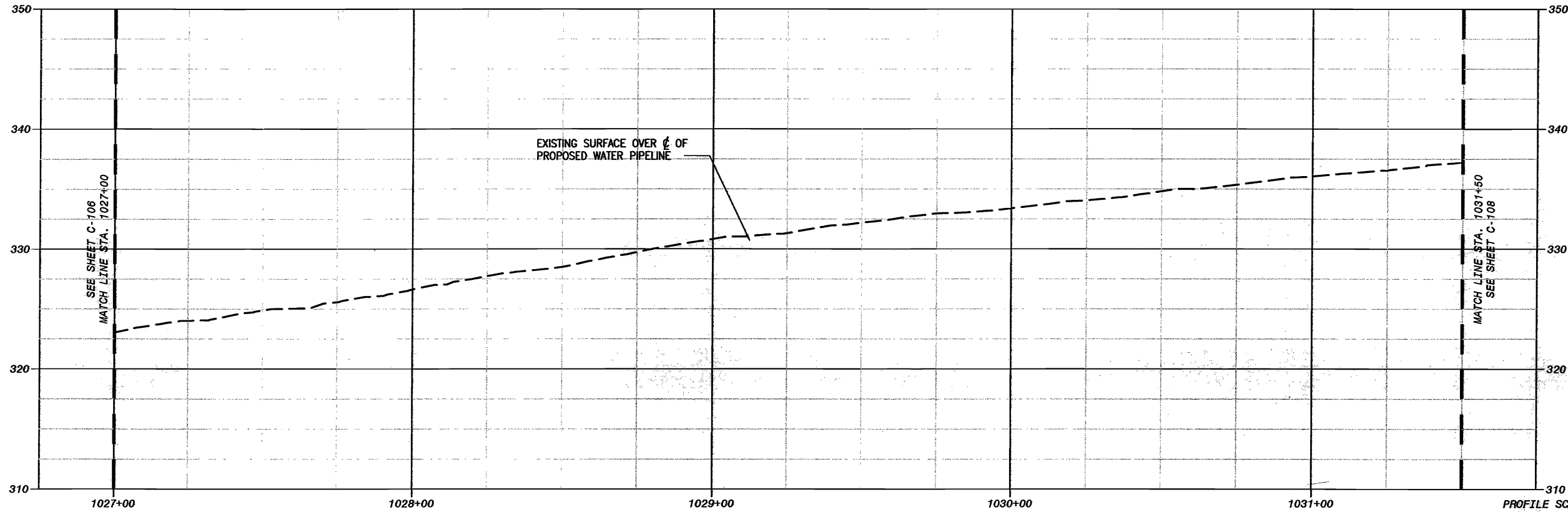
AECOM
 AECOM USA, Inc.
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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERTIE PROJECT - BP2
 ORCHARD STREET
 PLAN AND PROFILE
 STA 1022+50 to STA. 1027+00**

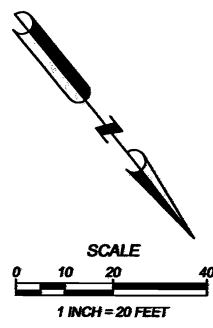
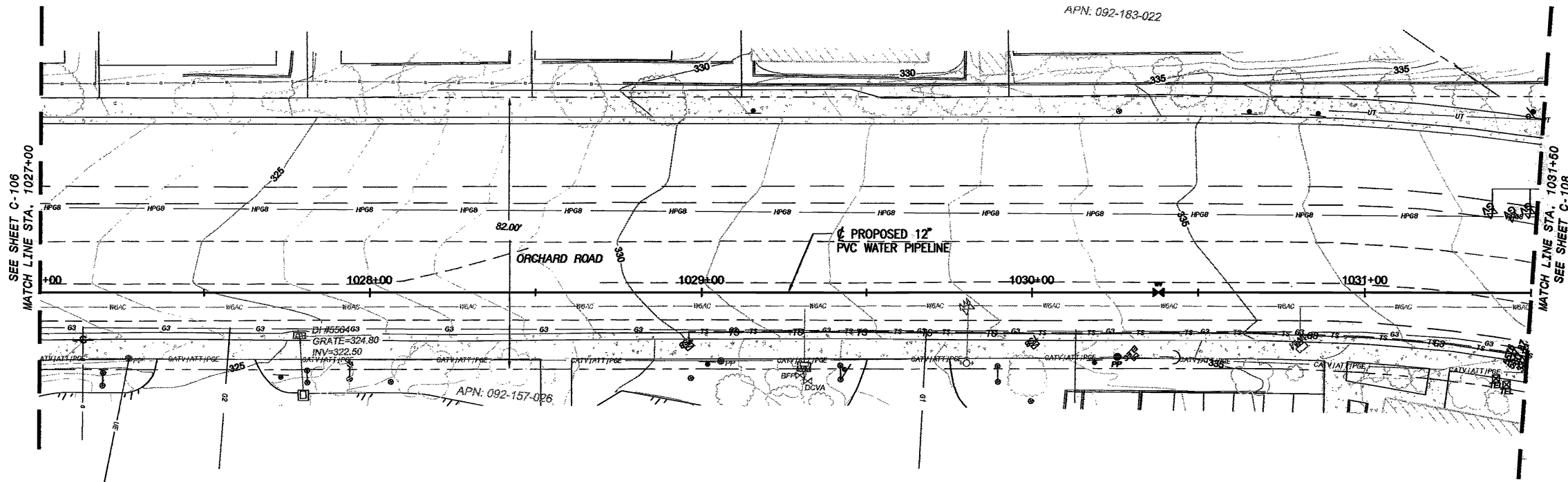
DESIGNED: JWR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 00061285.0001
 NCS PROJECT NO.

CADD STDS.
 BOYLE
C-106
 SHEET
 8 OF 64

DWG: \\Nipomo_CSD\19998\70 Waterline Interline Project Design\Plan\CA\Plan\BP-2_NIPOMO_PIPELINE\DWG\Plan\CA\BP-2_NIPOMO_PIPELINE.dwg Plot Date: 4/27/2009 11:12 AM
 PLOTTED BY: Frenelcher, Jim
 APPR: JOSHUA H. REYNOLDS
 DATE: 09/30/2009
 PROJ NUMBER: C05400



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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 DATE: MARCH 31, 2009

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 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

APPR	JOSHUA H. REYNOLDS	DATE	09/30/2009
DESIGNER	JOSHUA H. REYNOLDS	PROJ NUMBER	C05400

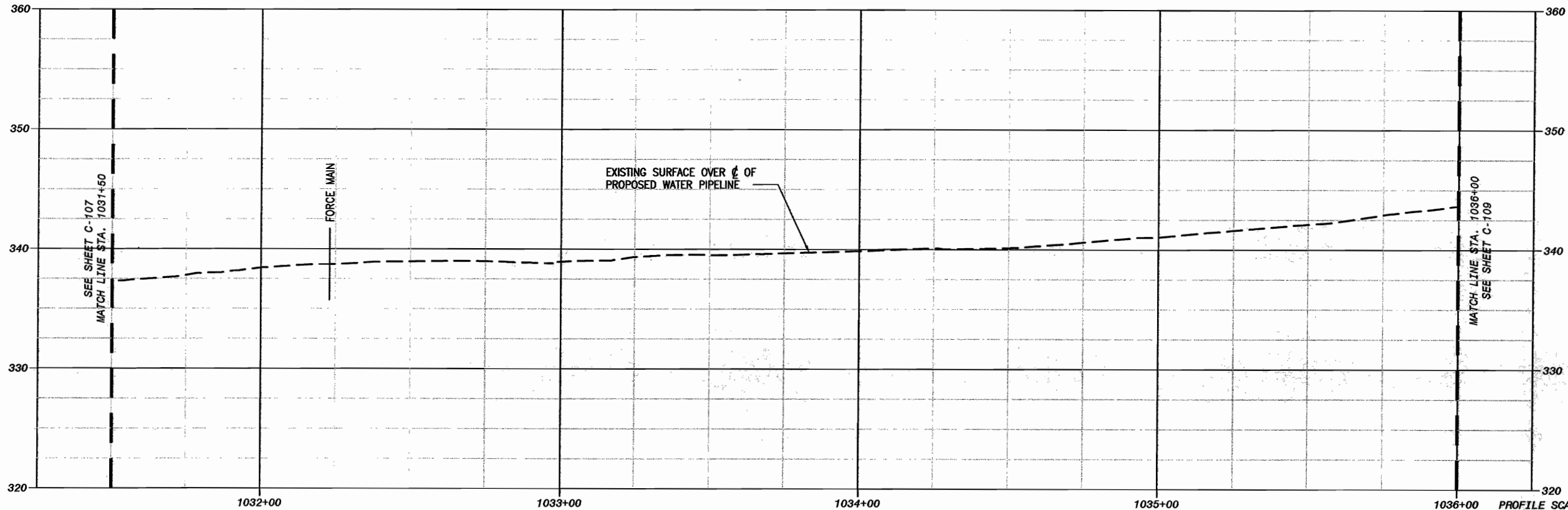
AECOM
 AECOM USA, Inc.
 1184 Pacific Street, Suite 204
 San Luis Obispo, California 93401
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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERLINE PROJECT - BP2
 ORCHARD STREET
 PLAN AND PROFILE
 STA 1027+00 TO STA. 1031+50**

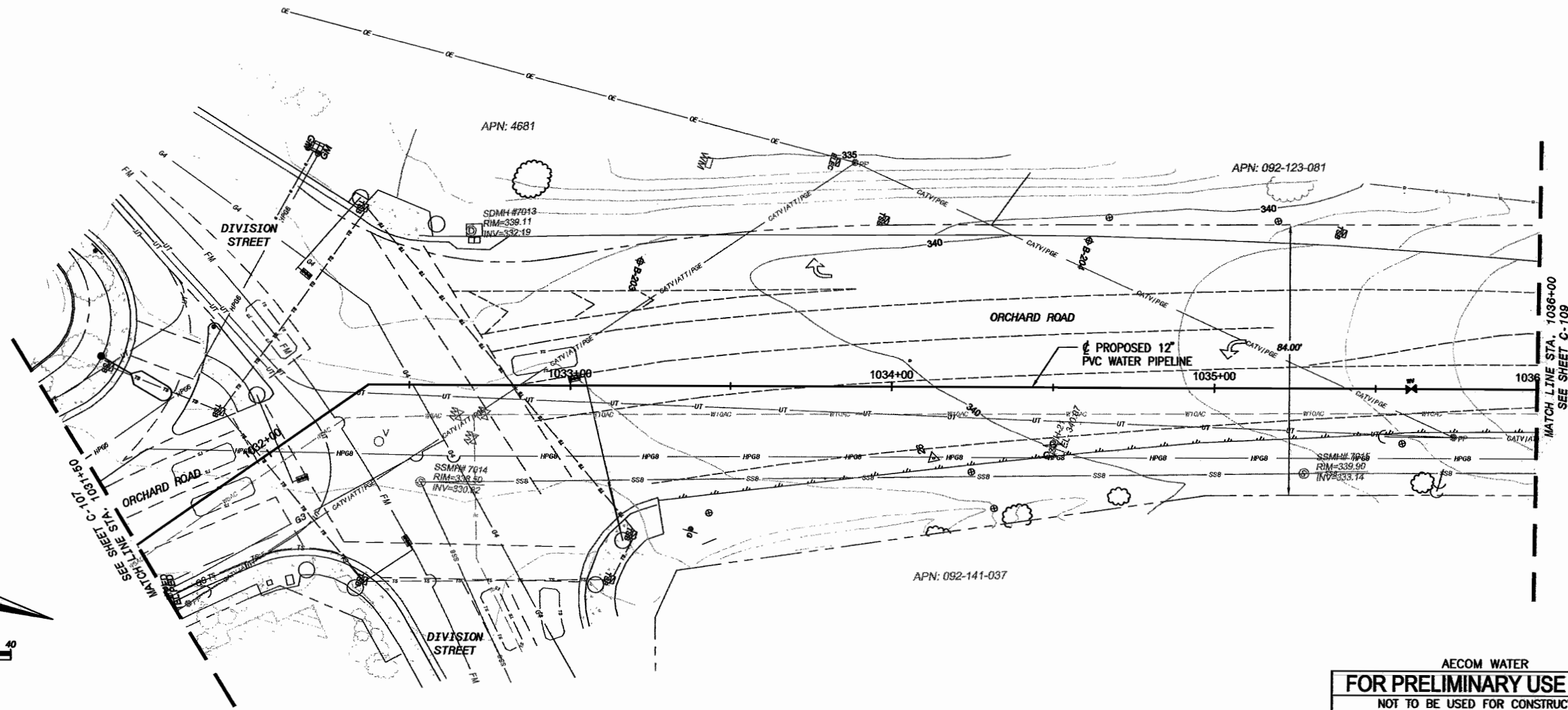
DESIGNED: JHR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 00061295.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-107
 SHEET
 9 OF 64

DMS: W:\Vigoro CSD (18986) 18986 70 Waterline Intersect Project Design Plan\CSA Plans\BP-2\WP040 WP040.dwg Plot: Name: C-108 Date: 4/27/2009 1:12 PM
 XREFS: NCS-BL-BP2 - WallaceBare - layout points - Surface-Station; 1-5 - CA-Utility; WAGES; Nemo; App; 3 - Santa Maria Intersect-1.dwg; Santa Maria Intersect-2.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



REV	DATE	DESCRIPTION	BY	DATE
1		PROJECT ENGINEER	JOSHUA H. REYNOLDS	06/30/2009
2		PROJECT NUMBER	C85400	

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AECOM USA, Inc.
 1100 Wilshire Blvd.
 San Luis Obispo, California 93401
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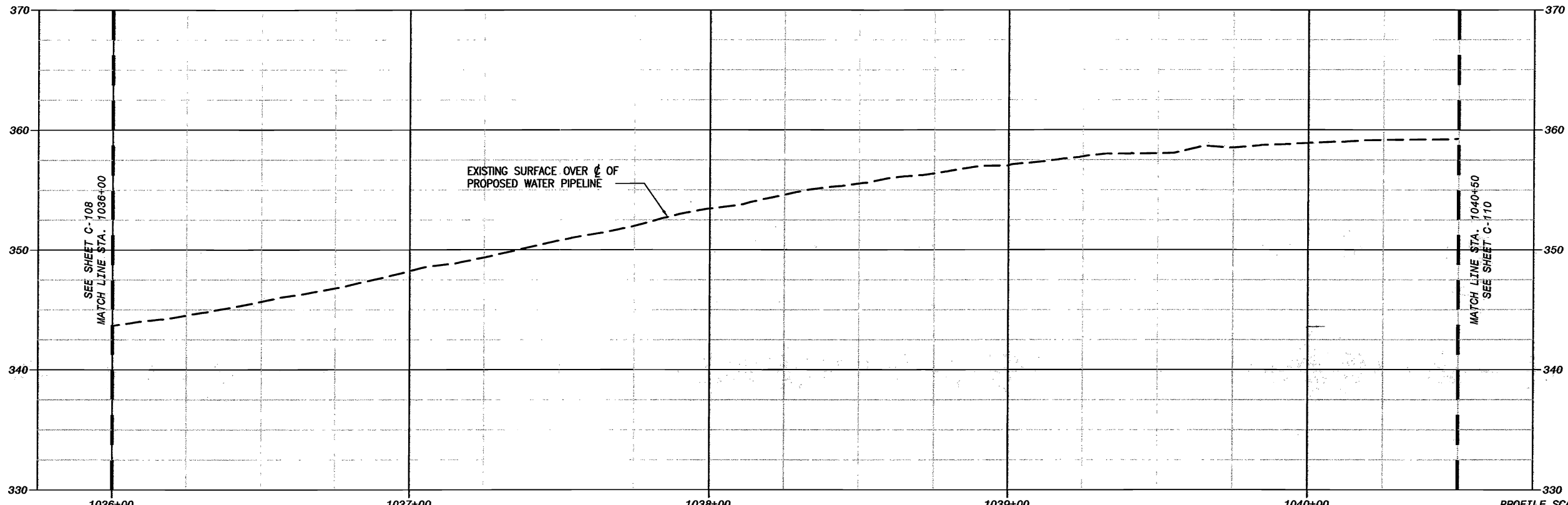
NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERSECT PROJECT - BP2
 ORCHARD STREET
 PLAN AND PROFILE
 STA 1031+50 TO STA. 1036+00

DESIGNED: JRR
DETAILED: JPF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO. 00061285.0001
NCS-D PROJECT NO.

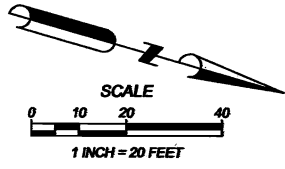
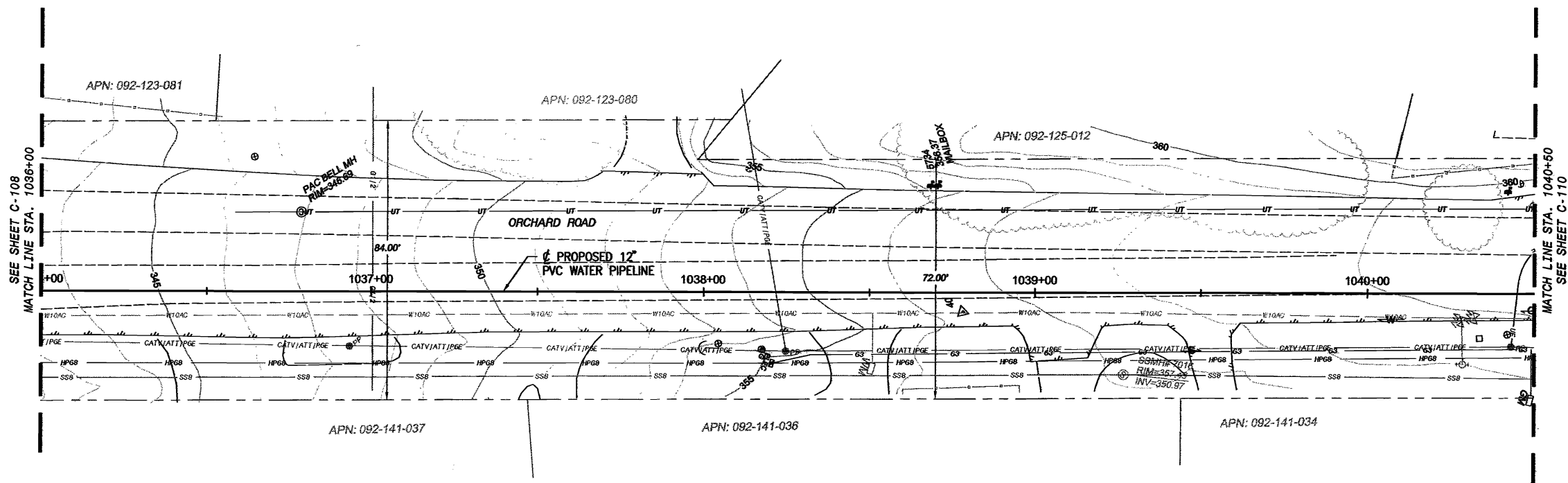
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 DATE: MARCH 31, 2009

1/2" = 1'
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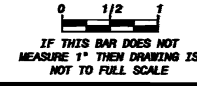
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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

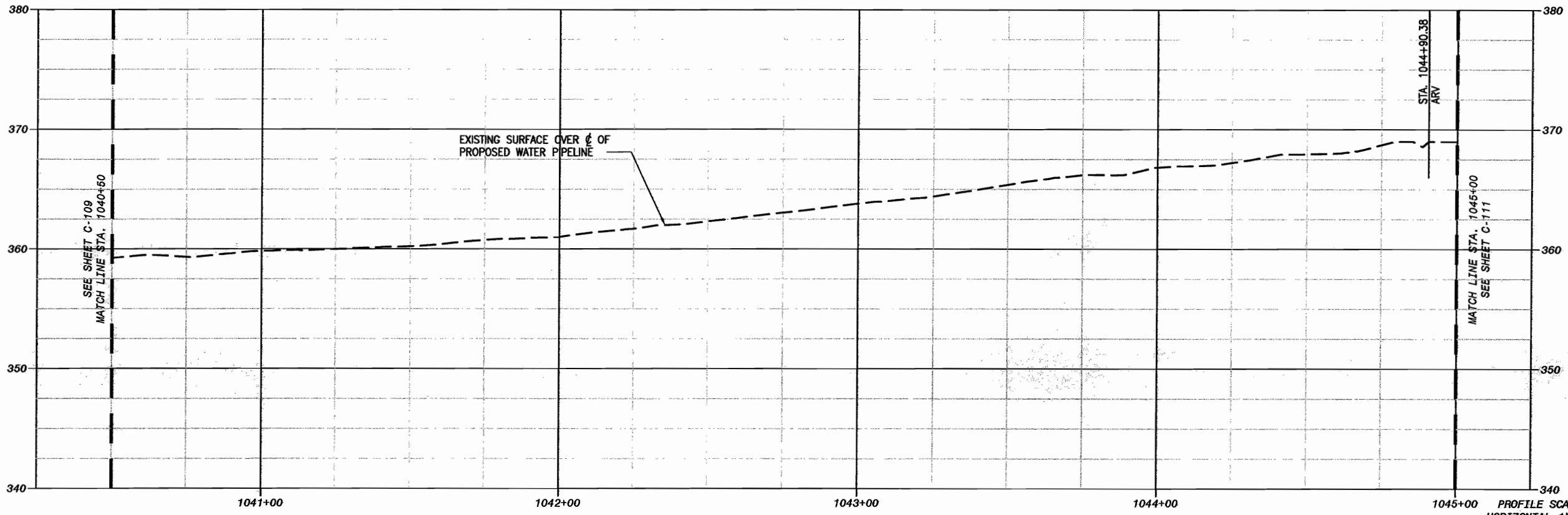


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 DATE: MARCH 31, 2009

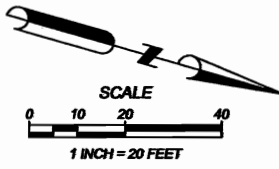
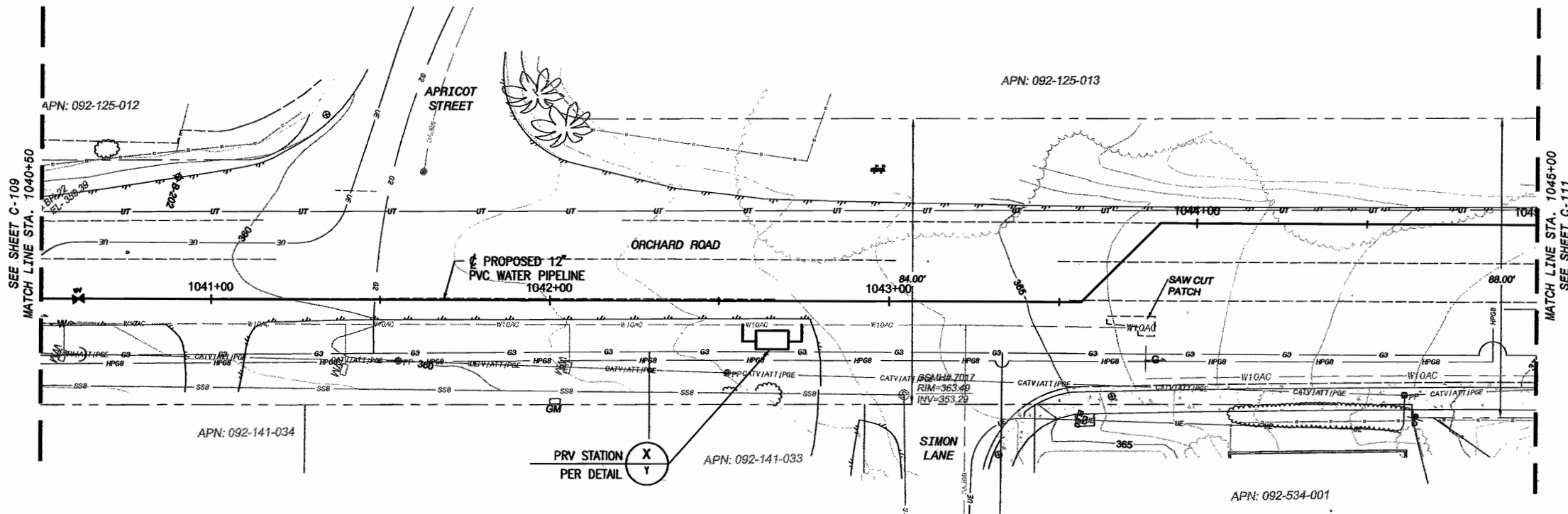


AECOM	
AECOM USA, Inc. 5000 Santa Ana, CA 92704 T 949.251.1000 F 949.251.1000 www.aecom.com	PROJECT ENGINEER JOSHUA H. REYNOLDS REG NUMBER C68400
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERTIE PROJECT - BP2	
ORCHARD STREET PLAN AND PROFILE STA 1036+00 to STA. 1040+50	
DESIGNED: JHR DETAILED: JFF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 00081295.0001 NCSO PROJECT NO.	CADD STDS. BOYLE C-109 SHEET 11 OF 64

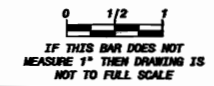
DWG: N:\Nipomo_CSD (1999)\1999\07\Waterline Interiors Project Design\Plan\CA\Plan\BP-2_NIPOMO_PIPELINE\305_Plan\BP-C-101 to C-112.dwg Plot Date: 4/27/2009 1:14 PM
 PLOTTED BY: FRAEDICAW, JIM
 REFS: NCS-01-02 - Locations - lgrd points - Surface-Sections-1-4-5 - Ex-Utilities
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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

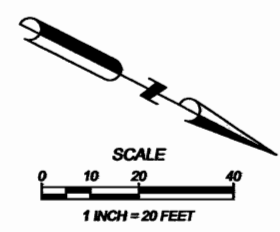
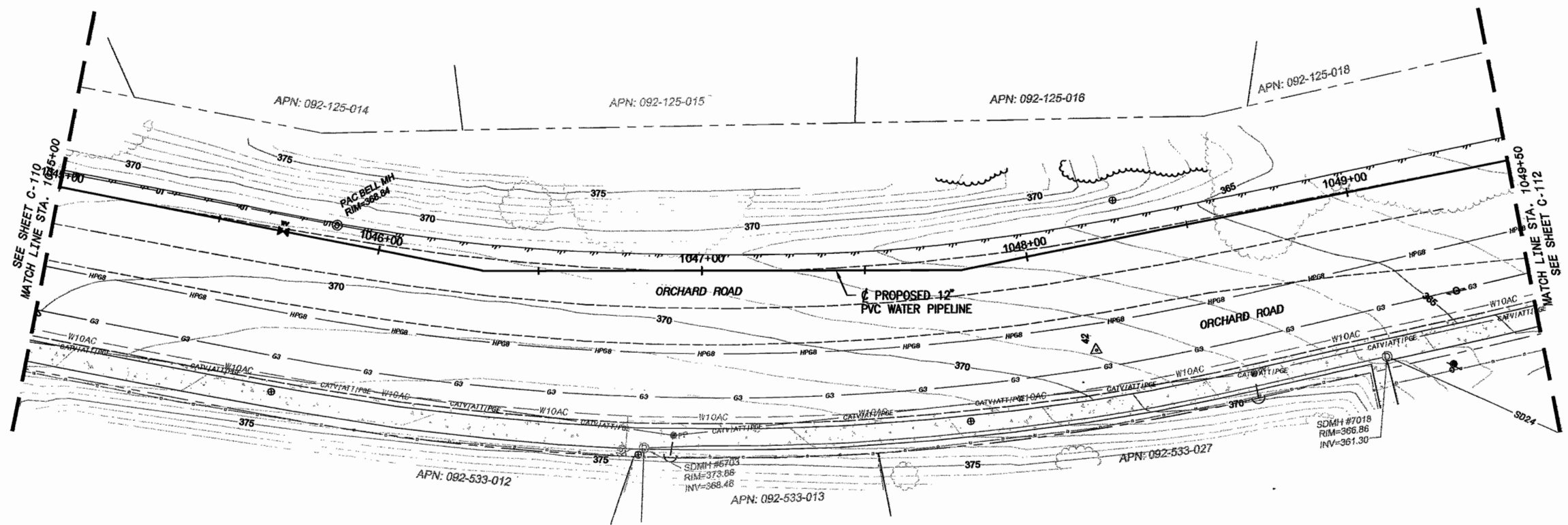
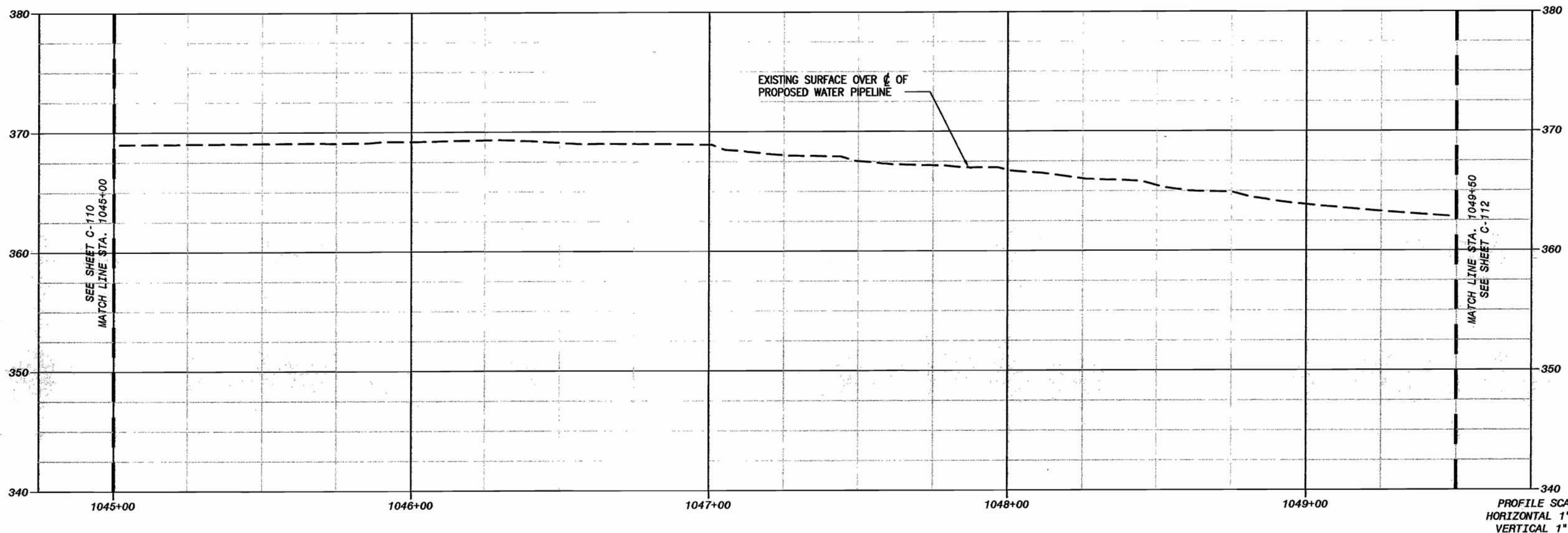


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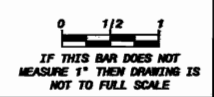


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NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERIOR PROJECT - BP2	
ORCHARD STREET PLAN AND PROFILE STA 1040+50 to STA. 1045+00	
DESIGNED: JMF DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 80081295.0001 NCSJ PROJECT NO.	CADD STDS. BOYLE C-110 SHEET 12 OF 64
PROJECT MANAGER JOSHUA H. REYNOLDS REG. NUMBER CSE-600	DATE 09/30/2009

DWG: W:\Projects\2009\03\NIPOMO\Drawings\Profile\Profile.dwg Plot Date: 4/27/2009 1:14 PM
 PLOTTED BY: FREELICHTER, JIM
 APPR: [Signature] DATE: 09/30/2009
 PROJECT NUMBER: C95400
 PROJECT ENGINEER: JOSHUA H. REYNOLDS
 AECOM USA, Inc. 10000 Wilshire Blvd., Suite 200
 Los Angeles, CA 90024
 T: 800.542.3940 F: 800.542.3990
 www.aecom.com

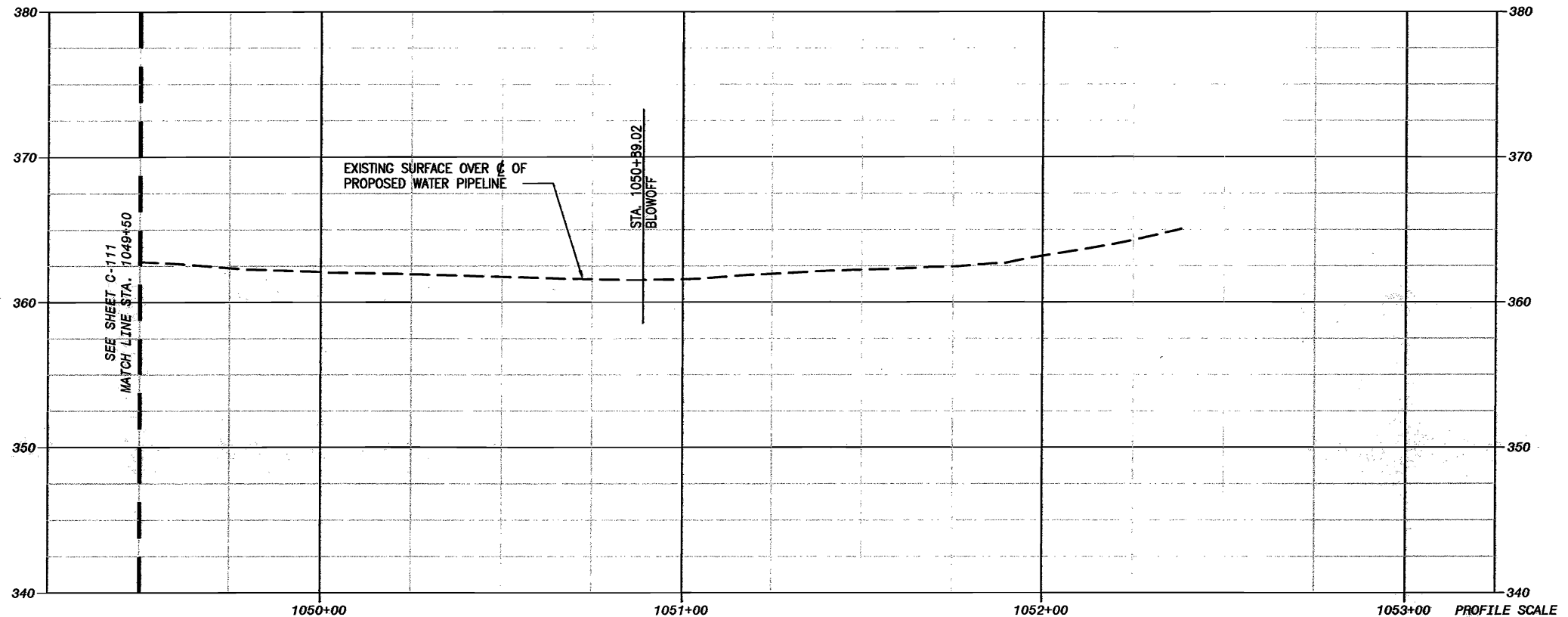


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 DATE: MARCH 31, 2009

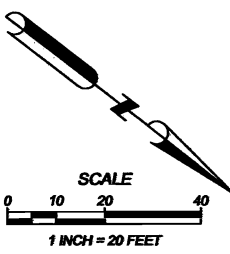
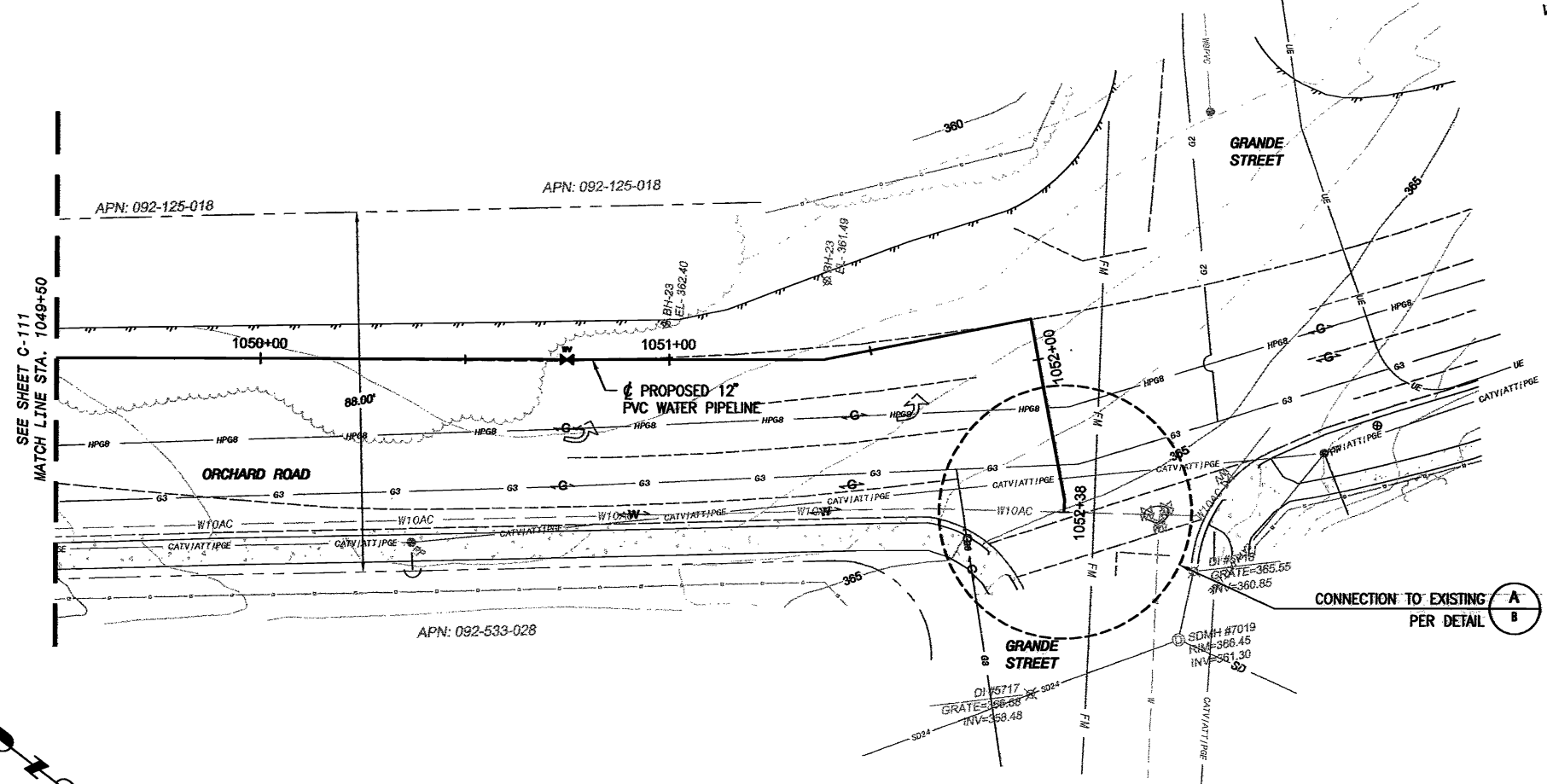


AECOM	AECOM USA, Inc. 10000 Wilshire Blvd., Suite 200 Los Angeles, CA 90024 T: 800.542.3940 F: 800.542.3990 www.aecom.com
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERIE PROJECT - BP2	
ORCHARD STREET PLAN AND PROFILE STA 1045+00 TO STA. 1049+50	
DESIGNED: JWR	DATE: MARCH 2009
DETAILED: JPF	AECOM PROJECT NO. 60081295.0001
CHECKED:	NCSO PROJECT NO.
APPROVED:	CADD STDS. BOYLE
C-111 SHEET 13 OF 64	

DWG: W:\Water\GISD\1098670\Waterline\Interline\Project\Design\Plan\APN\BP-2\NIPOMO_PIPELINE_V02_Plan\APN-C-112.dwg, Layout: Name: C-112.dwg, Plotted by: Freilicher, Jim, Date: 4/27/2009 - 1:15 PM
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 NCS0-BD_BP2 - Waterline - Right Points - Survey - 8/20/08 - C-112.dwg
 NCS0-BD_BP2 - Waterline - Right Points - Survey - 8/20/08 - C-112.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



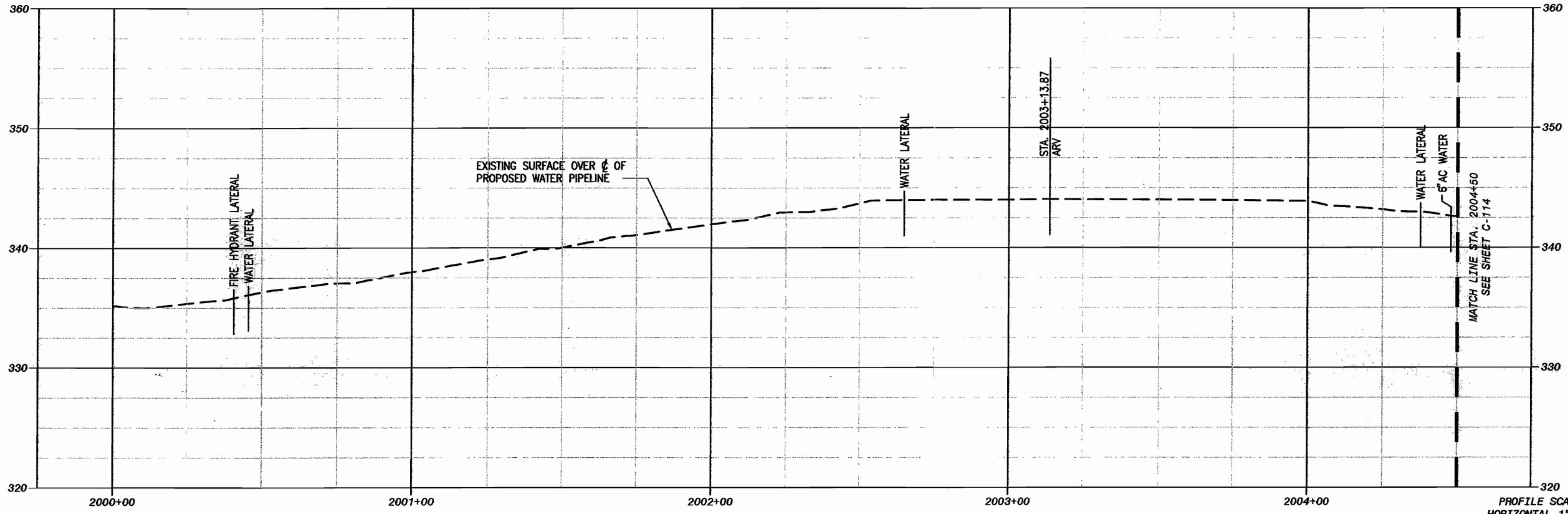
AECOM WATER
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DATE: MARCH 31, 2009

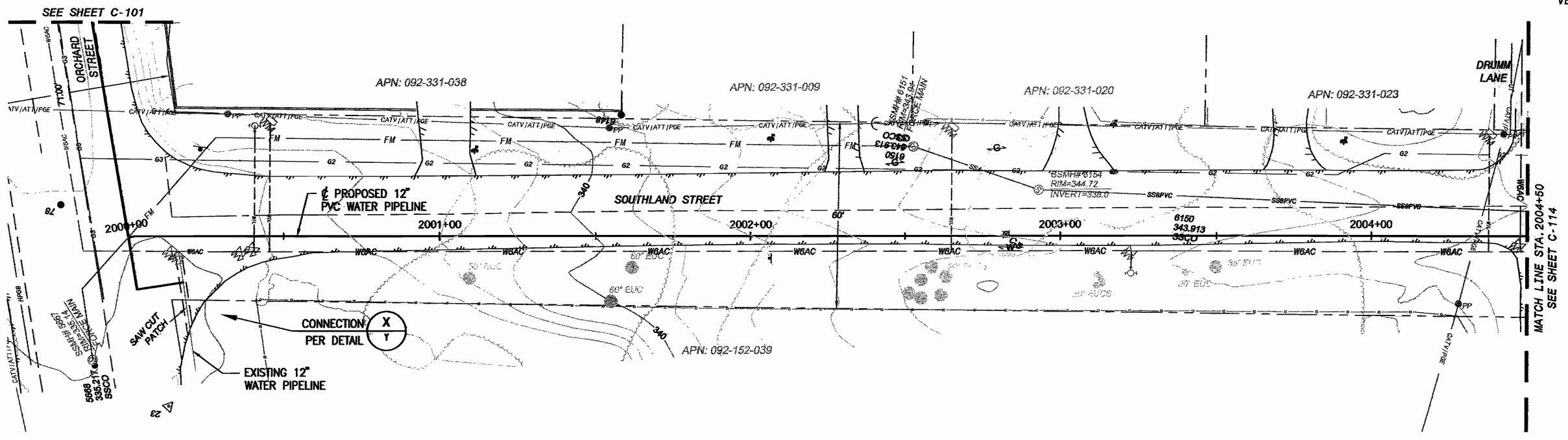
IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
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	AECOM USA, Inc. 10000 Wilshire Blvd., Suite 200 Los Angeles, CA 90024 T: 800.542.3940 F: 805.542.3990 www.aecom.com
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP2	PROJECT ENGINEER: JOSHUA H. REYNOLDS DESCRIPTION: WATERLINE INTERLINE PROJECT - BP2 PER NUMBER: C65400 DATE: 09/30/2009 APPR:
ORCHARD STREET PLAN AND PROFILE STA 1049+50 TO STA. 1053+00	DESIGNED: JFR DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO.: 00001285.0001 NCSO PROJECT NO.:
C-112 SHEET 14 OF 64	CADD STDS. BOYLE

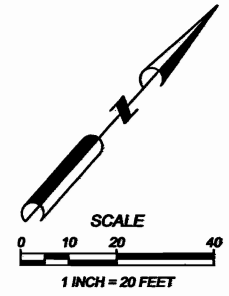
DWG: W:\ncom\GSD (18998)\18998_70 Waterline Interline Project Design\Plan\CD\PRELIM\BP-2_WPGM\PRELIM\BP-2_WPGM\PRELIM\BP-2_WPGM\PRELIM\BP-2_WPGM\C-113 to C-114.dwg
 XREFS: NCS-30_BP2 - Auto points - Holes/Bore - Surface-Station=4-5 - E-Utility
 WAGES: Nipomo Agri/Ag - Santa Maria Waterline-1-4 - Santa Maria Waterline-2-4-5 - Palletted by: Freilicher, Jim Date: 4/27/2009 - 1:35 PM



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



MATCH LINE STA. 2004+50
 SEE SHEET C-114



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 DATE: MARCH 31, 2009

0 1/2 1
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REV	DATE	DESCRIPTION	APP'D
1			
2			
3			
4			

AECOM

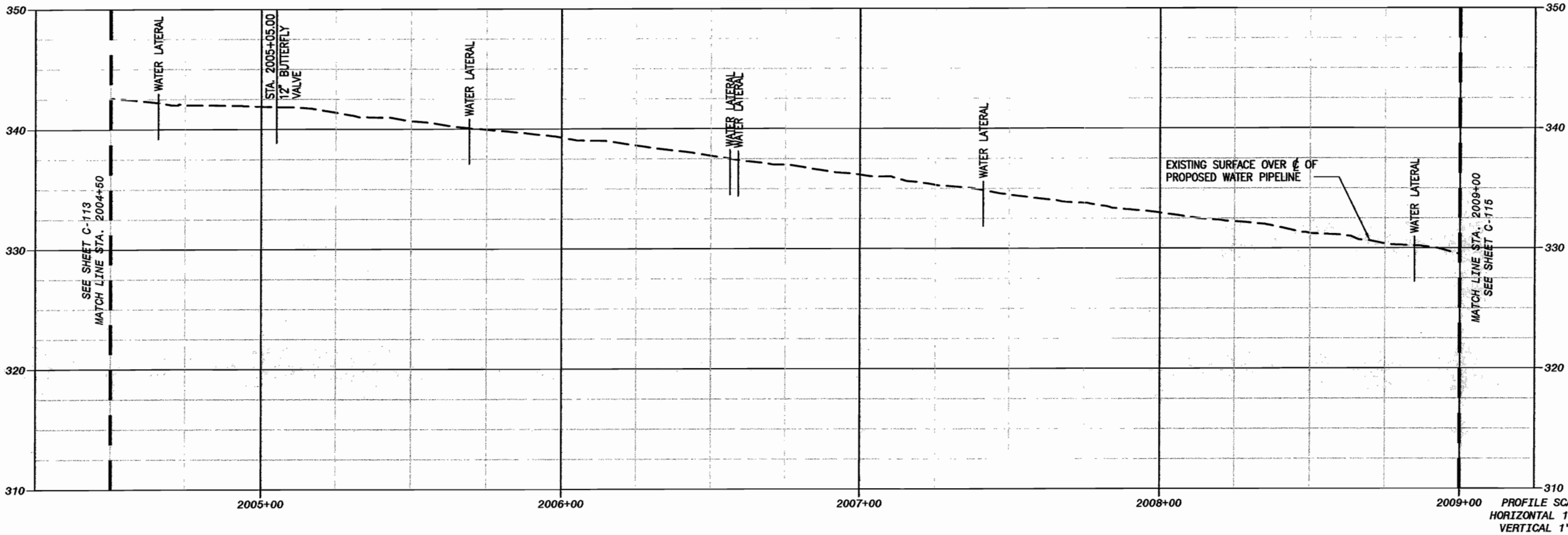
AECOM USA, Inc.
 1825 Central Expressway, Suite 204
 San Jose, CA 95128
 T 408.542.8940 F 408.542.8940
 WWW.AECOM.COM

**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERLINE PROJECT - BP2
 SOUTHLAND STREET
 PLAN AND PROFILE
 STA 2000+00 TO 2004+50**

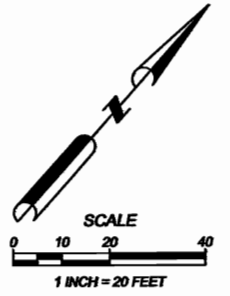
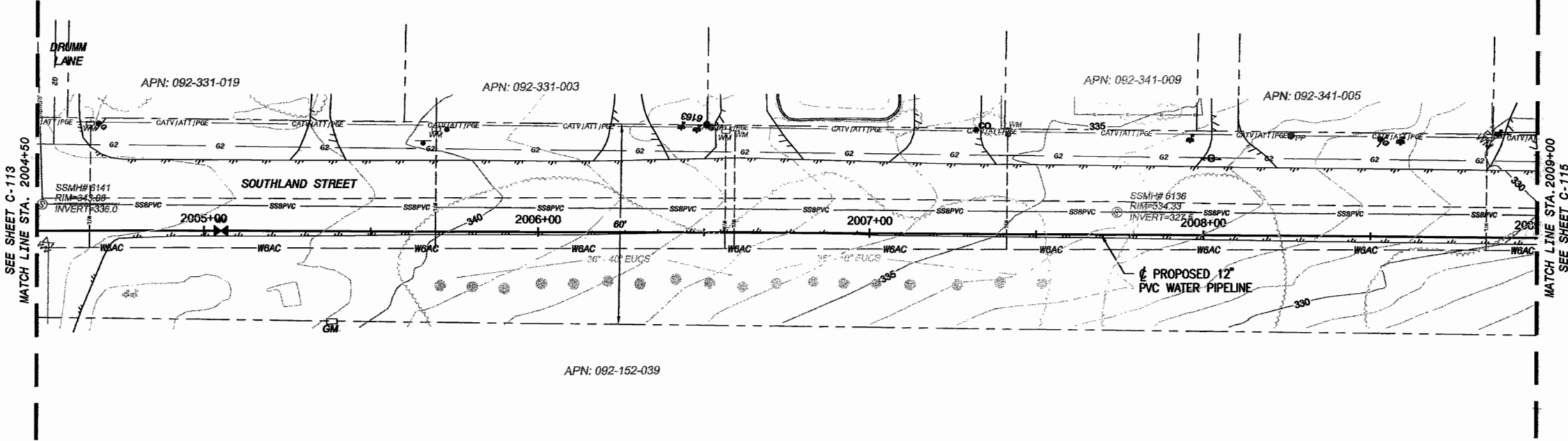
DESIGNED: JPH
DETAILED: JPH
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO. 60061295.0001
NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-113
 SHEET
 15 OF 64

D:\NIPOMO_CSD (1998)\1998.70 Waterline Interiors Project Design\Plan\A\A\A\Plan\A-C-114.dwg Layout Name: C-114 - Plotted by: Fraelicher, Jim Date: 4/27/2009 - 1:38 PM
 PLOTS: NSD-BD-BP2 - Ingot points - Waterline - Surface - Section 1-4-3 - Ex-Utilities
 IMAGES: Nipomo Logo.jpg - Nipomo - Waterline - 1.tif - Santa Maria Waterline - 2.tif



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



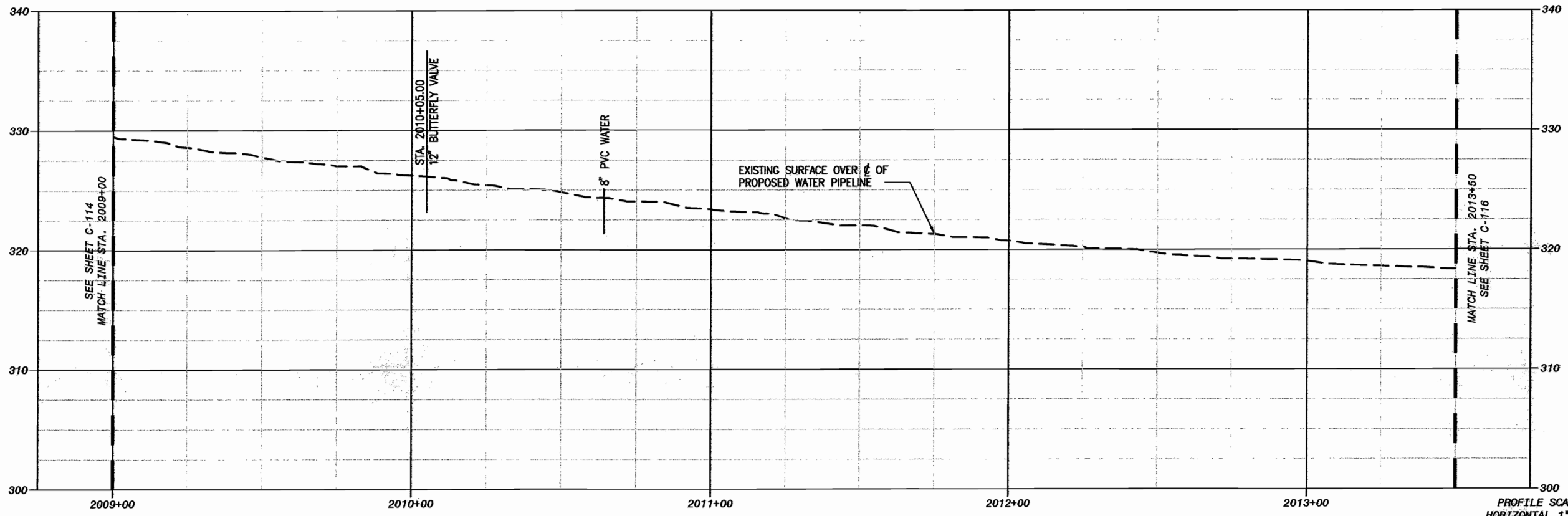
AECOM WATER
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 DATE: MARCH 31, 2009

IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

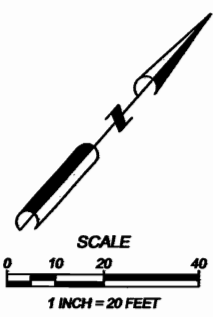
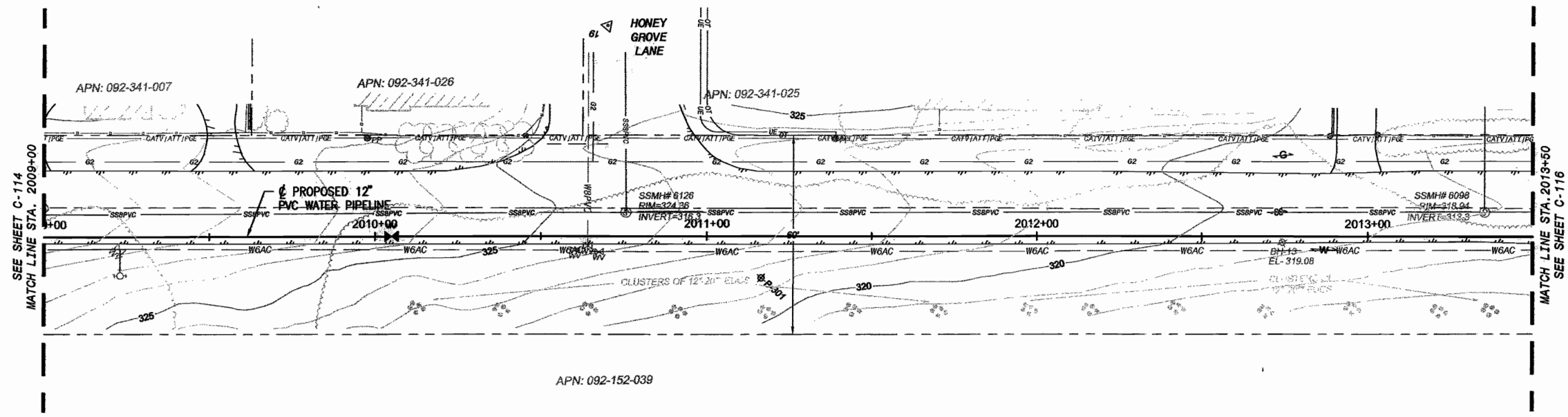
AECOM		AECOM USA, Inc. 1194 Pacific Street, Suite 204 Folsom, CA 95630 T 916.424.2000 F 916.424.2000 www.aecom.com	
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERIOR PROJECT - BP2			
SOUTHLAND STREET PLAN AND PROFILE STA 2004+50 TO 2009+00			
DESIGNED:	JFR	DATE:	MARCH 2009
DETAILED:	JPF	AECOM PROJECT NO.:	00061295.0001
CHECKED:		NCSO PROJECT NO.:	
APPROVED:		CADD STDS.:	BOYLE
		C-114 SHEET 16 OF 64	

REV	DATE	DESCRIPTION	APP
1	09/10/2009	CS5400	JOSHUA H. REYNOLDS

DWG: \\V:\projects\1008670\Waterline\Interiors\Project_Design\Design_Plans\GIS\Planets\BP-2_NIPOMO_PIPELINE_V08_Planets\C-113 to C-121.dwg Layout: Name: C-113 Plotted by: Fraelicher, Jim Date: 4/27/2009 - 1:38 PM
 XREFS: NSD-BD-BP2 - layout parts - Waterlines - Surface - Interiors - C-113.dwg
 XREFS: NSD-BD-BP2 - layout parts - Waterlines - Surface - Interiors - C-113.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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 DATE: MARCH 31, 2009

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APPR	DATE	DESCRIPTION	REP NUMBER	EXP DATE
			C85400	09/30/2009
PROJECT ENGINEER				
JOSHUA H. REYNOLDS				

AECOM

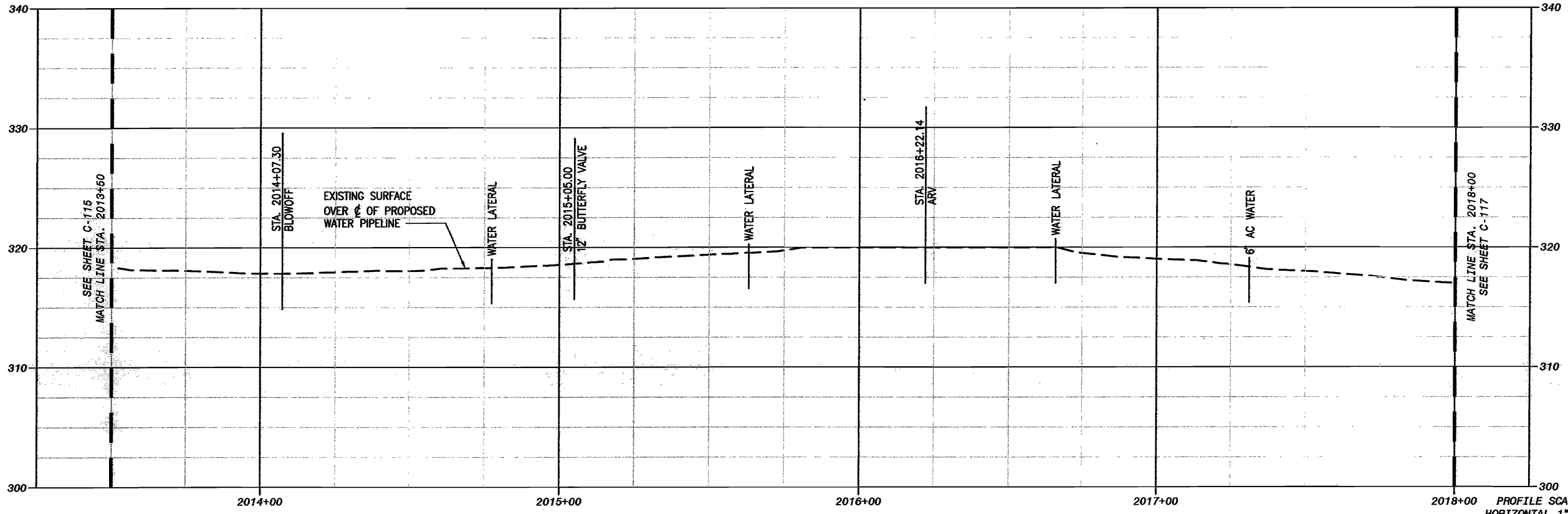
AECOM USA, Inc.
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 San Luis Obispo, California 93401
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NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERIOR PROJECT - BP2
SOUTHLAND STREET
PLAN AND PROFILE
STA 2009+00 to 2013+50

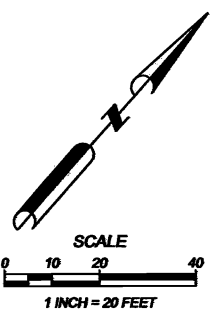
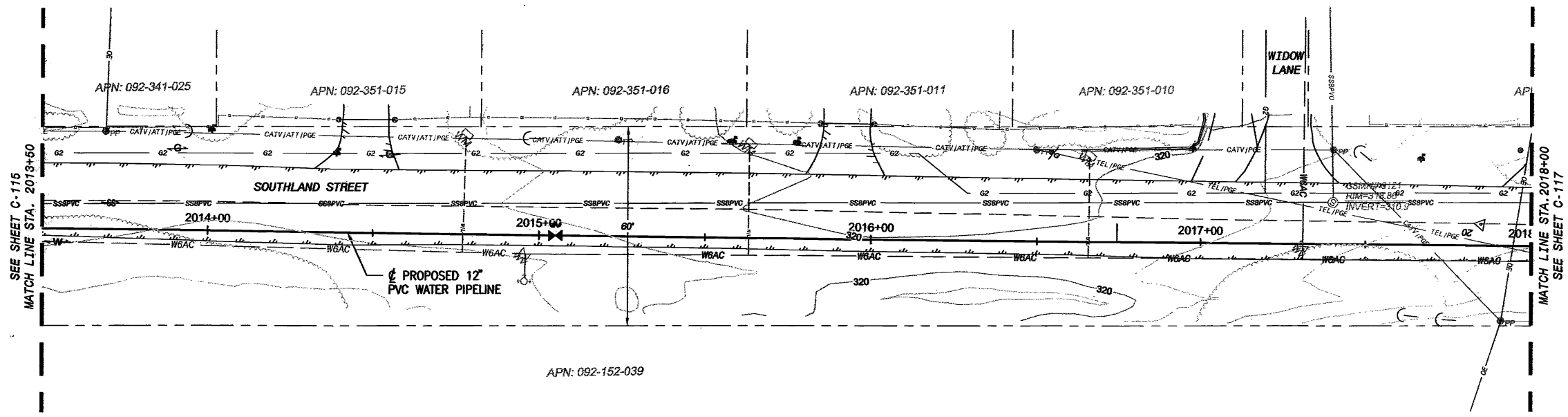
DESIGNED: JHR
 DETAILED: JFF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 80081285.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-115
 SHEET
 17 OF 64

D:\WC\Nipomo_CSD_1998\70 Waterline Interline Project Design\Drawings\Plan\CA\Plan\BP-2_NIPOMO_WATERLINE_INTERLINE_BP2_113_13_C-116.dwg - Plotted by: Frawley, Jim Date: 4/27/2009 - 1:37 PM
 XREFS: NCS-3D_BP2 - Nipomo 3D - Waterline - 1.dwg - South Main Waterline - 1.dwg - South Main Waterline - 2.dwg - Ex-Utility



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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 DATE: MARCH 31, 2009

0 1/2 1
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APP#	09/30/2009
DESCRIPTION	C65-400
PROJECT ENGINEER	JOSHUA H. REYNOLDS
DATE	

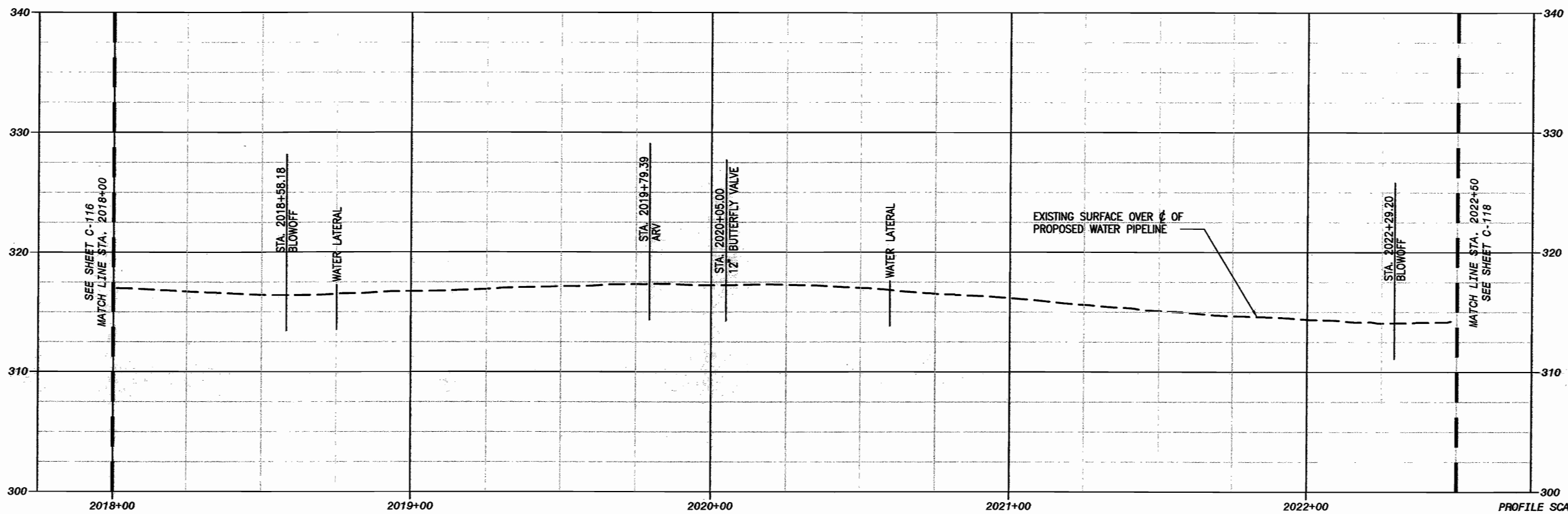
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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERLINE PROJECT - BP2**
**SOUTHLAND STREET
 PLAN AND PROFILE
 STA 2013+50 to 2018+00**

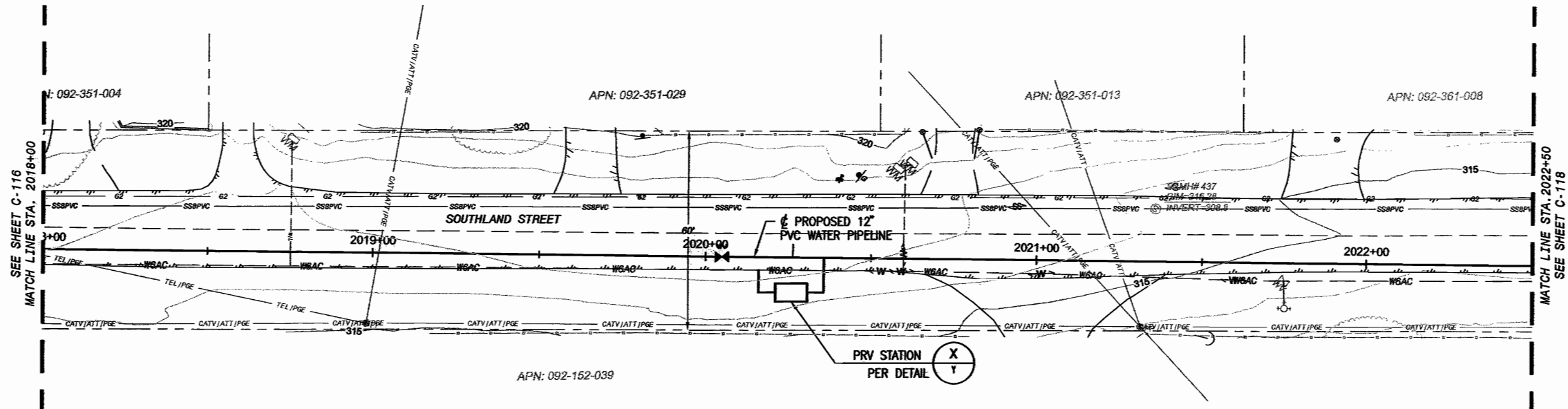
DESIGNED: JHR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 80081285.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-116
 SHEET
 18 OF 64

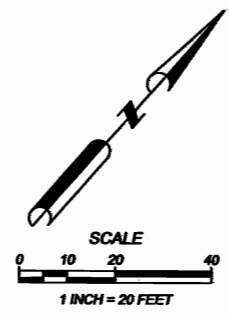
DWG: \\Nipomo_CSD\1999670 Waterline Interline Project Design\Drawings\Plan\BP-2_NIPOMO_INTERLINE_BP-2.dwg, Layout Name: C-117, Picked by: Freichter, lin Date: 4/27/2009 - 3:00 PM
 AREAS: NCSB-BP_2 - fugro points - WalleceBase - Surface-Sections-3-+5 - Ex-Utillitas
 WAZES: Nipomo_top.dwg - Santa Maria Waterline-1.dwg - Santa Maria Waterline-2.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



PRV STATION
 PER DETAIL

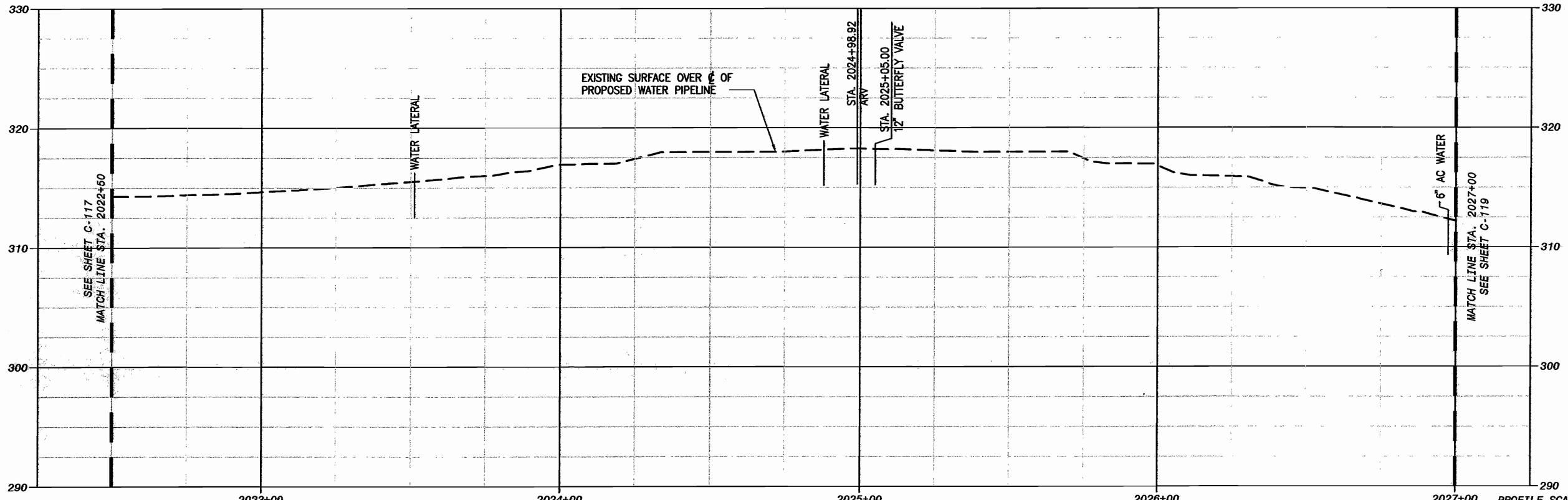


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 DATE: MARCH 31, 2009

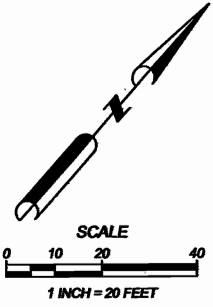
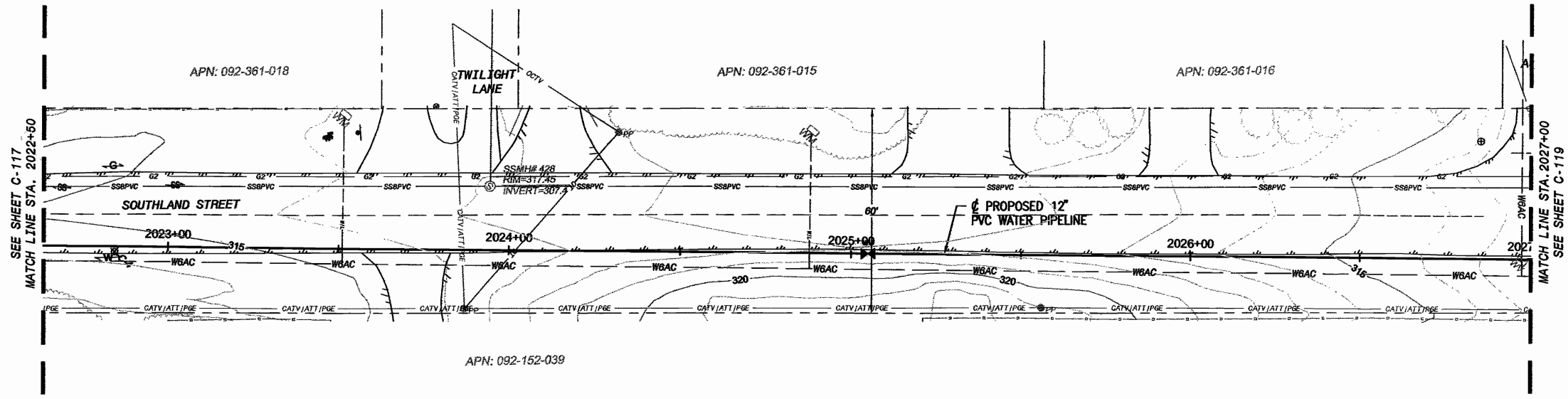
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AECOM	
AECOM USA, Inc. 10150 North Central Expressway, Suite 304 San Jose, CA 95131 Tel: 408.737.4000 Fax: 408.737.4001	PROJECT ENGINEER JOSHUA H. REYNOLDS C816400
DESIGN: JPR DETAILLED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 60081295.0001 NCSO PROJECT NO.	APPR DATE 09/30/2009
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP2	
SOUTHLAND STREET PLAN AND PROFILE STA 2018+00 TO 2022+50	
C-117 SHEET 19 OF 64	

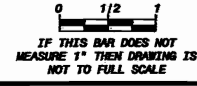
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 XREFS: NCSO-90-BP2 - Auto points - Waterline - Surface-Sections-1-5 - Ex-Utilityline WACES: Nipomo 1000.jpg - Santa Maria Waterline-1.dwg - Santa Maria Waterline-2.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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 DATE: MARCH 31, 2009



APP#	C95400	DESCRIPTION	C95400
DATE	09/30/2009	PROJECT ENGINEER	JOSHUA H. REYNOLDS

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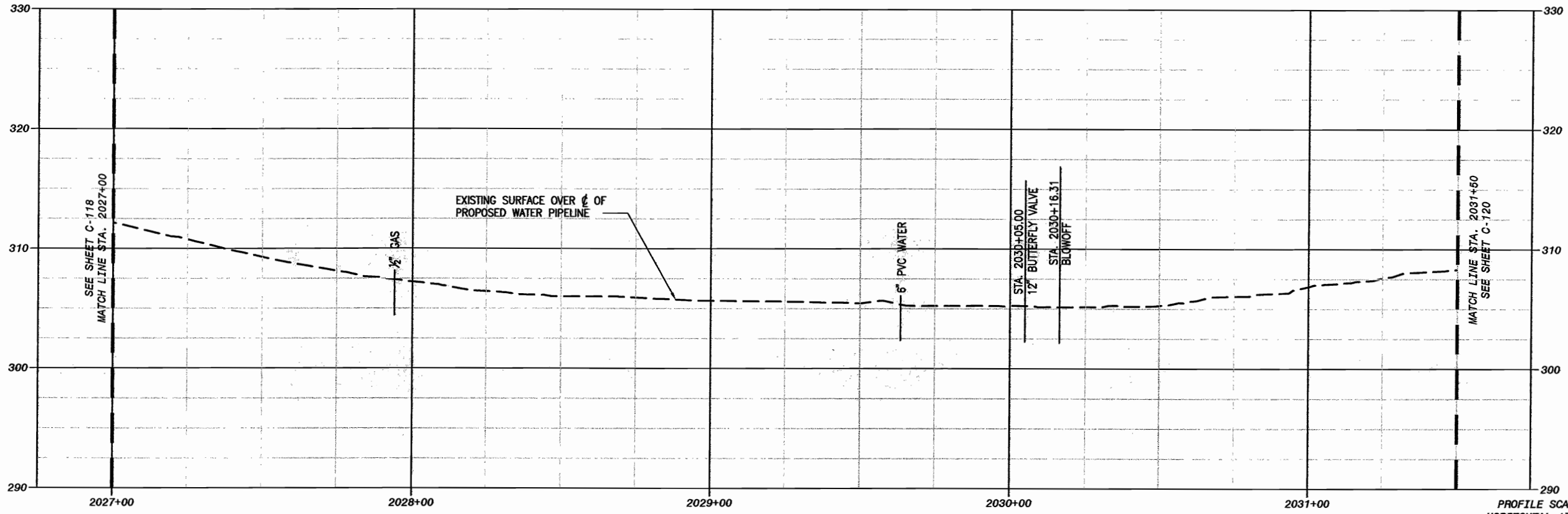
AECOM USA, Inc.
 1154 Rockwell Road, Suite 204
 San Luis Obispo, California 93401
 T 805.542.9940 F 805.542.9900
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NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERLINE PROJECT - BP2
SOUTHLAND STREET
PLAN AND PROFILE
STA 2022+50 to 2027+00

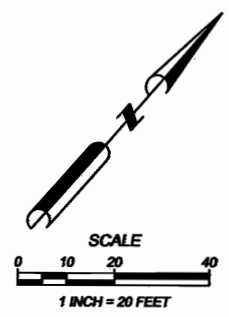
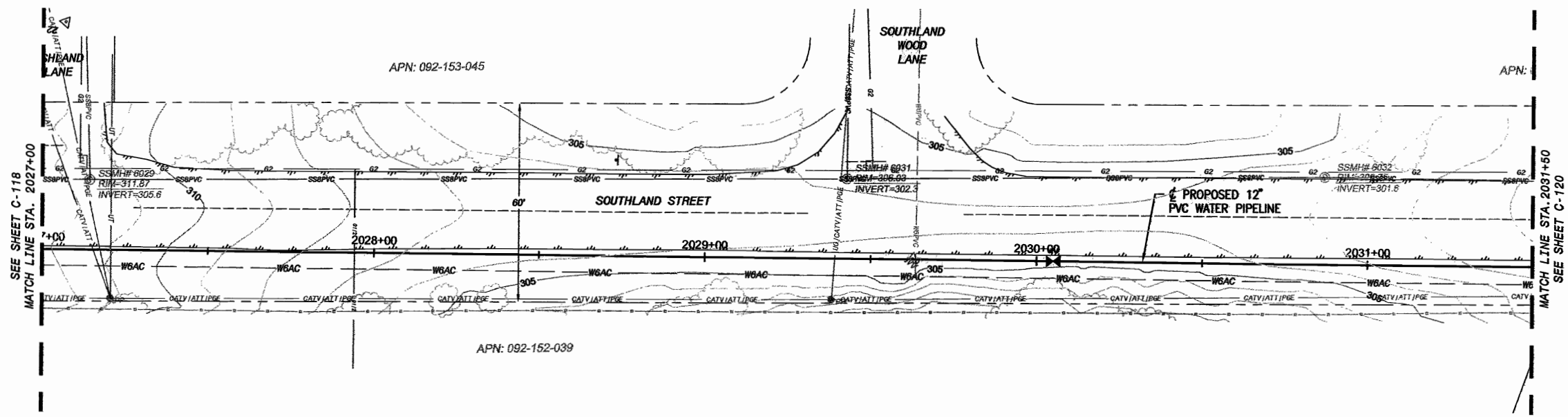
DESIGNED: JHR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 60081285.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-118
 SHEET
 20 OF 64

DWG: \\Nipomo\GISD\19996.70\Waterline\Intertie\Project\Drawings\Plan\DWG\Plan\BP-2\NIPOMO PIPELINE\BP-2\NIPOMO PIPELINE\BP-2.dwg
 LAYOUT: Nipomo_C-119.dwg
 DATE: 4/27/2009 1:39 PM
 DESIGNED BY: FRIEDELICH, JIM
 CHECKED BY: JPF
 APPROVED BY: JPF
 PROJECT: NIPOMO PIPELINE - SURFACE SECTIONS 1-5 - EX-UTILITIES
 SHEET: NIPOMO PIPELINE - SURFACE SECTIONS 1-5 - EX-UTILITIES
 SCALE: 1"=20'
 DATE: 3/31/2009



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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 DATE: MARCH 31, 2009

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REV	DATE	DESCRIPTION	BY	DATE
1				
2				
3				
4				
5				

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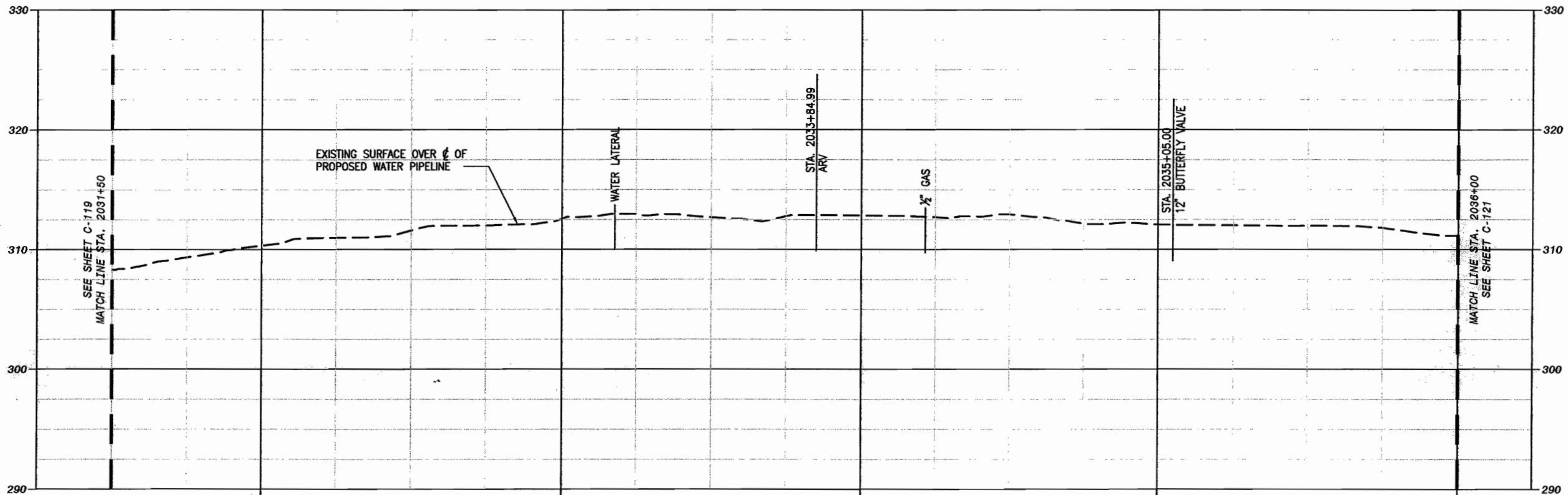
NIPOMO COMMUNITY SERVICES DISTRICT - BP2
WATERLINE INTERTIE PROJECT - BP2
SOUTHLAND STREET
PLAN AND PROFILE
STA 2027+00 TO 2031+50

DESIGNED: JHR
 DETAILED: JPF
 CHECKED: JPF
 APPROVED: JPF
 DATE: MARCH 2009
 AECOM PROJECT NO.: 80061295.0001
 NCSD PROJECT NO.:

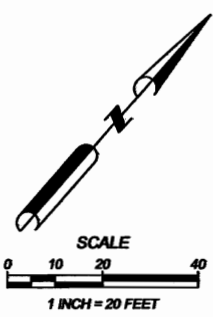
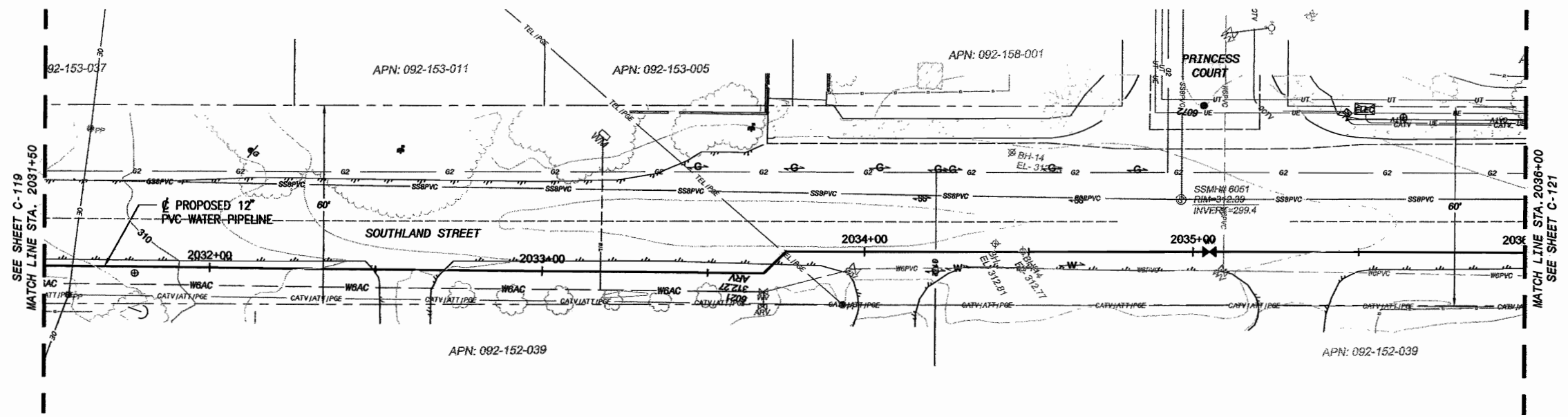
CADD STDS.
 BOYLE

C-119
SHEET
21 OF 64

DWG: WA_Mapsheet_CSD (1089870) 1998.70 Waterline Interiors Project Design Plans (CSD) (Project) BP-2 NCSO PRELIMINARY NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERIOR PROJECT - BP2
 XREFS: NCSO-BD_BP2 - Major points - Waterline - Surface - Stationing - 4-5 - C-120
 Plotted by: Frawler, Jim Date: 4/27/2009 - 1:38 PM



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

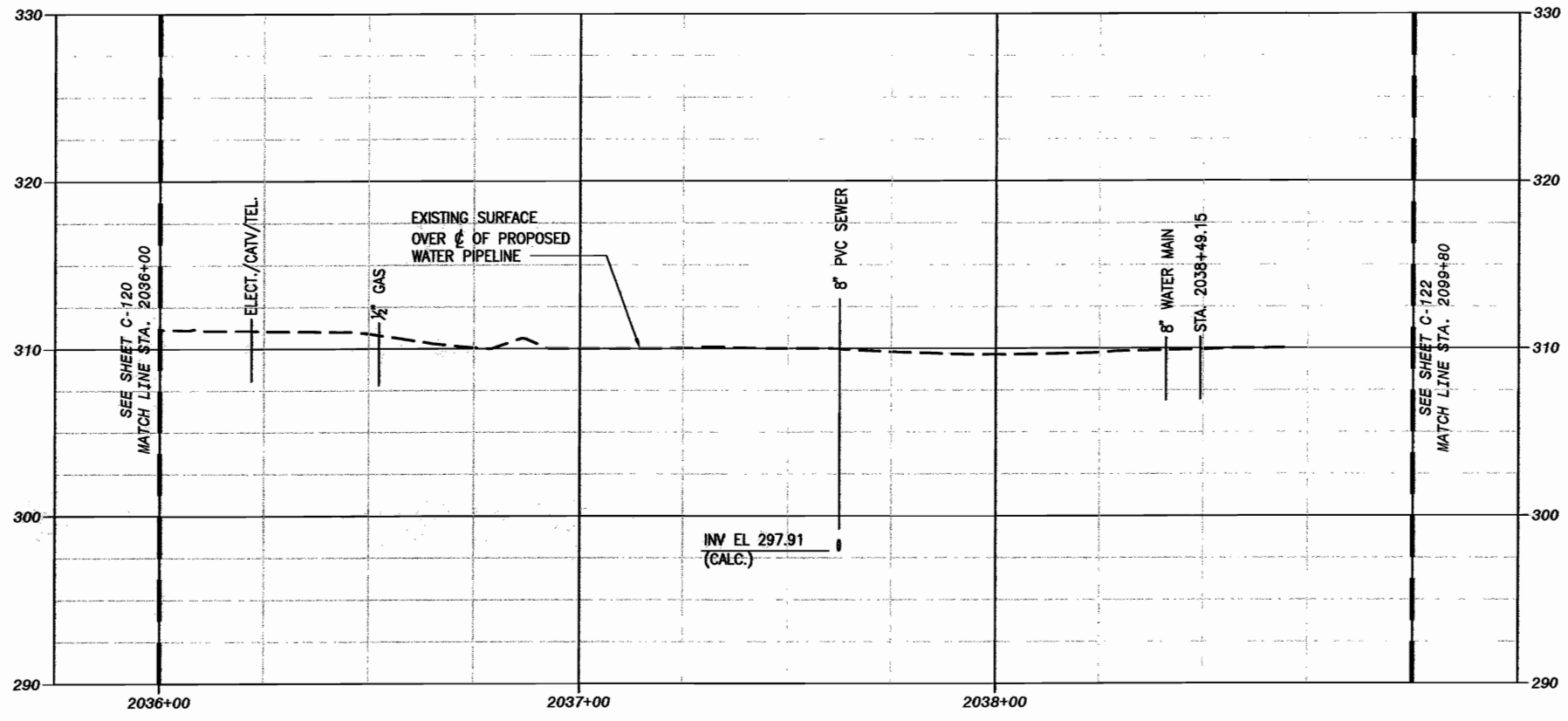


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 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

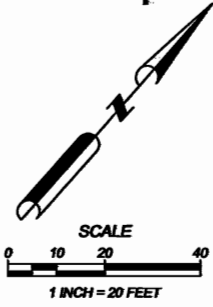
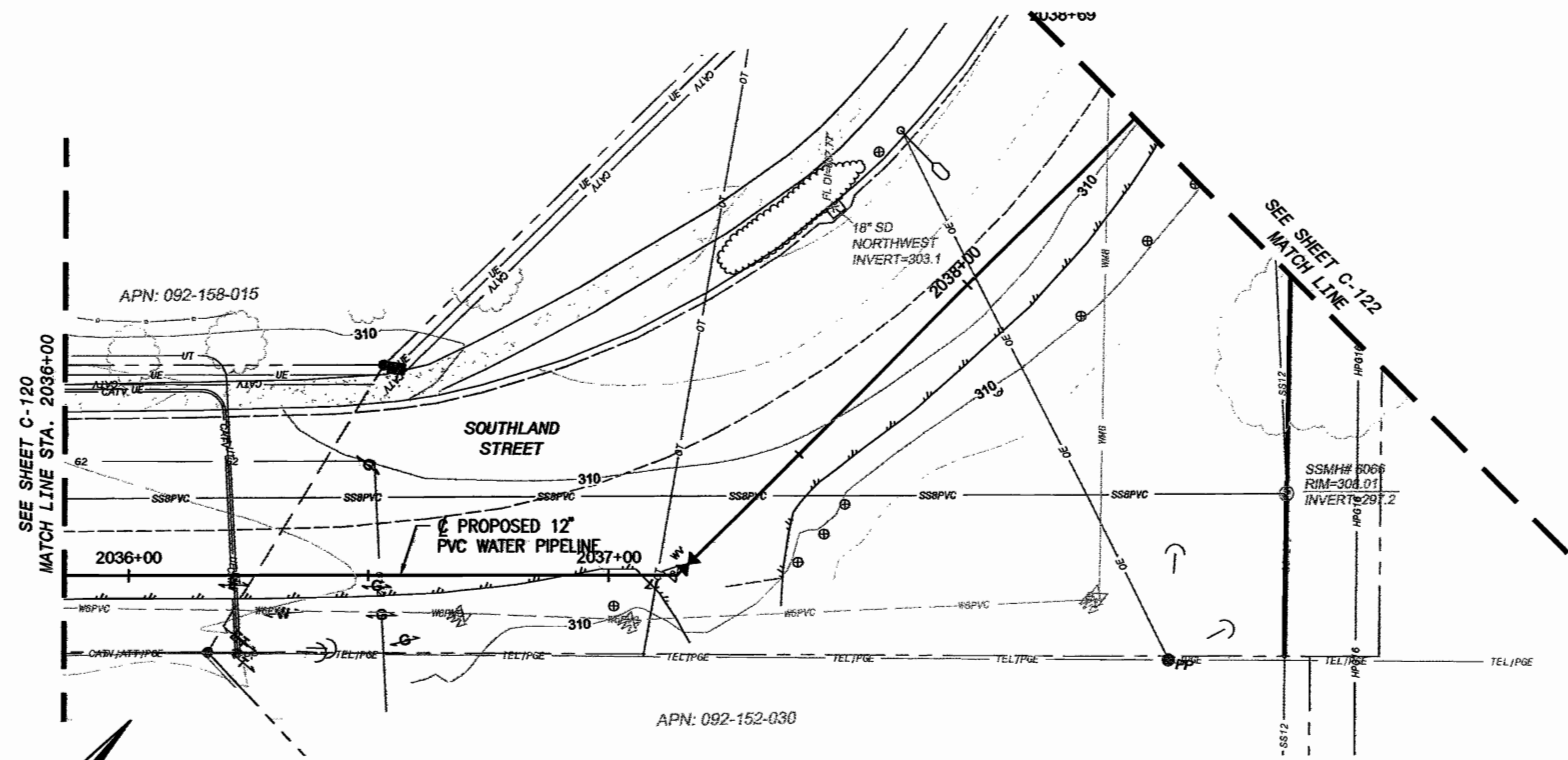
IF THIS BAR DOES NOT
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AECOM <small>AECOM USA, Inc. One Gateway Center San Francisco, CA 94111 T 415.774.4000 F 415.774.4001 www.aecom.com</small>	
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERIOR PROJECT - BP2	
SOUTHLAND STREET PLAN AND PROFILE STA 2031+50 TO 2036+00	
<small>DESIGNED: JMR</small>	<small>DATE: MARCH 2009</small>
<small>DETAILED: JPF</small>	<small>AECOM PROJECT NO. 80081296.0001</small>
<small>CHECKED:</small>	<small>NCSO PROJECT NO.</small>
<small>APPROVED:</small>	<small>CADD STDS. BOYLE</small>
<small>DATE: MARCH 2009</small>	C-120
<small>PROJECT ENGINEER JOSHUA H. REYNOLDS</small>	SHEET 22 OF 64
<small>REV. DATE DESCRIPTION</small>	<small>APP. EXP. DATE</small>
<small>1. 09/30/2009</small>	<small>09/30/2009</small>
<small>2. 09/30/2009</small>	<small>09/30/2009</small>
<small>3. 09/30/2009</small>	<small>09/30/2009</small>
<small>4. 09/30/2009</small>	<small>09/30/2009</small>

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 XREFS: NCSO-BD_BP2 - Map points - MicroStation - Surfer - AutoCAD - L-Utilities
 XREFS: NCSO-BD_BP2 - Map points - MicroStation - Surfer - AutoCAD - L-Utilities



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

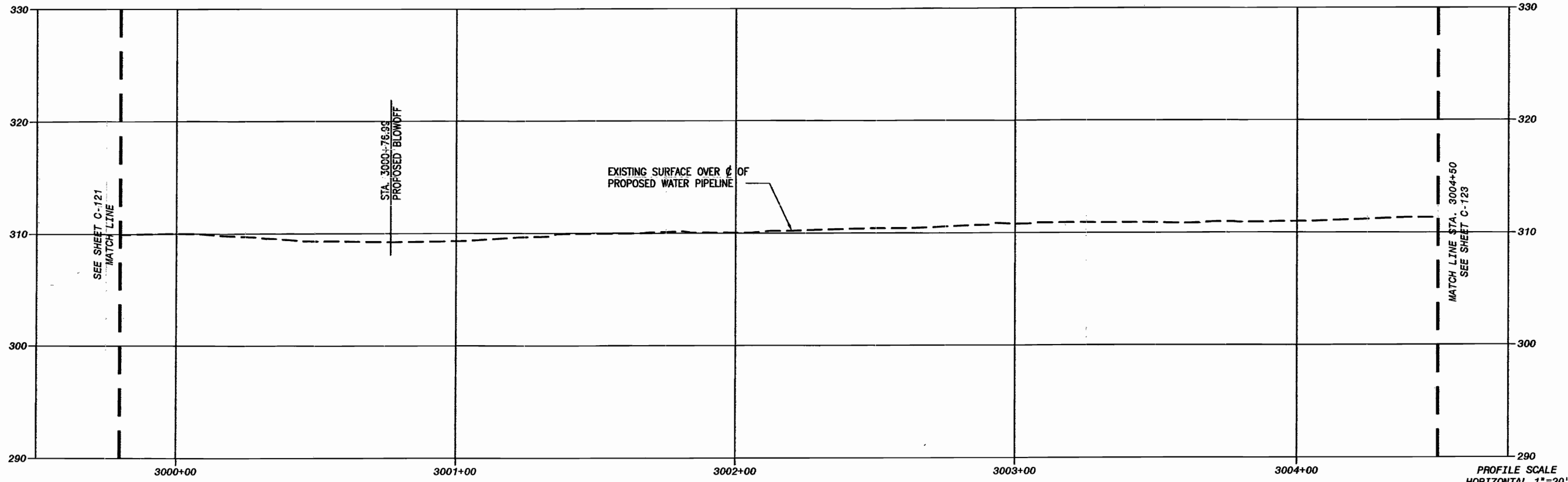


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AECOM USA, Inc. 1000 Town Center Drive, Suite 300 San Ramon, CA 94583 T 925.343.8900 F 925.343.8900 www.aecom.com
SOUTHLAND STREET WATERLINE INTERLINE PROJECT - BP2 PLAN AND PROFILE STA 2036+00 to 2038+49
DESIGNED: JBR DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 80081285.0001 NCSO PROJECT NO.
CADD STDS. BOYLE C-121 SHEET 23 OF 64

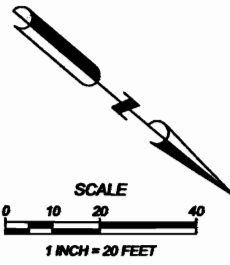
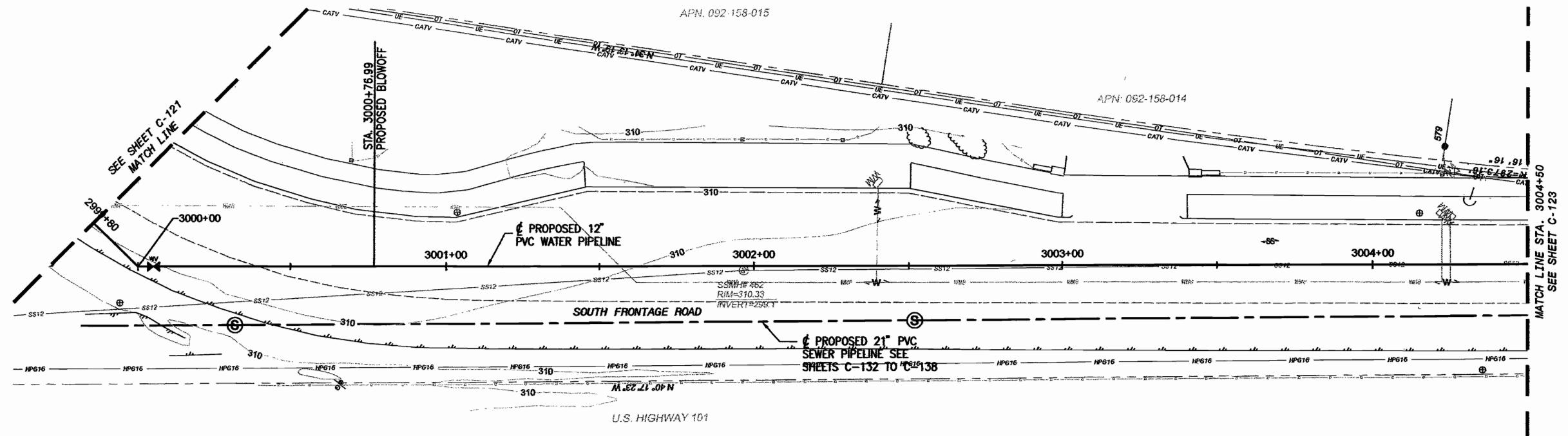
AECOM WATER
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 DATE: MARCH 31, 2009

0 1/2 1
 IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
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DWG: W:\Nipomo_CSD_188888\18888_70_Nipomo_Waterline_Install_Plan\CD\Design_Plan\CAD\Sheet\BP-2_Nipomo_Waterline_Install_Plan\CD\Design_Plan\CAD\Sheet\BP-2_Nipomo_Waterline_Install_Plan.dwg
 PLOTTED BY: FROELICHER, JIM DATE: 4/27/2009 1:57 PM
 APPR: SURFACE-STATIONS-4-5 - LIGNO POINTS - MSD-BP2 - MICROSOFT - E-CAD
 XREFS: SURFACE-STATIONS-4-5 - LIGNO POINTS - MSD-BP2 - MICROSOFT - E-CAD



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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 DATE: MARCH 31, 2009

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PROJECT ENGINEER JOSHUA H. REYNOLDS	DESCRIPTION RES. ROBERT C65-600
DATE 09/30/2009	APPR. EXP. DATE 09/30/2009

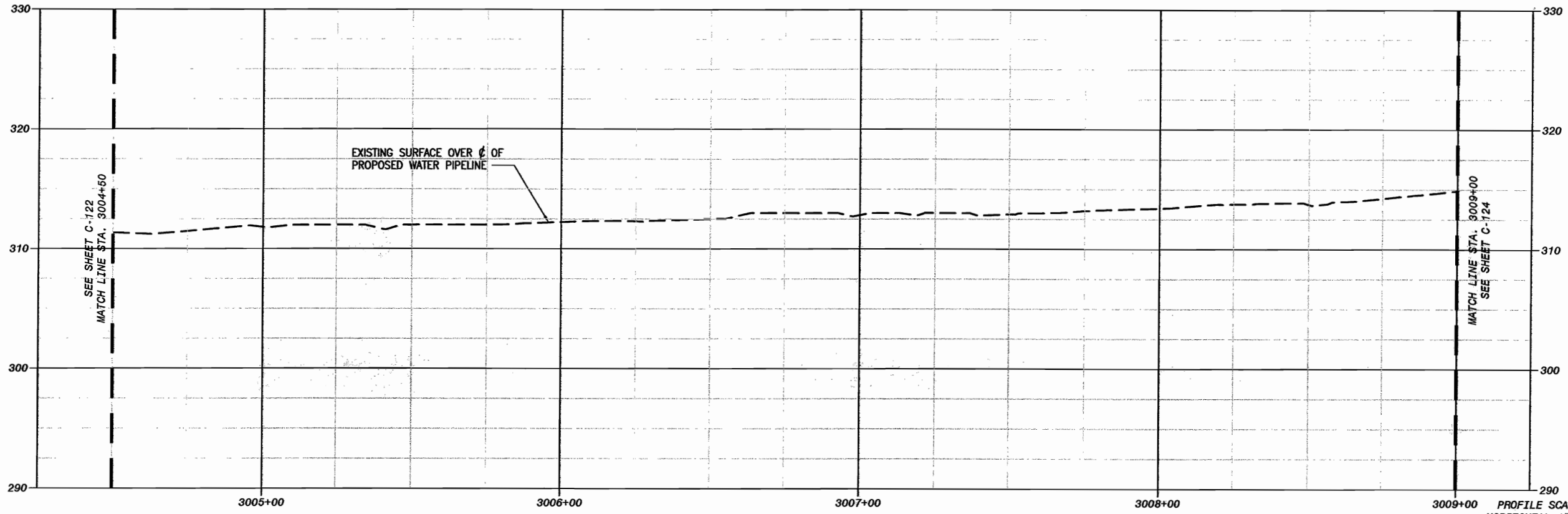
AECOM

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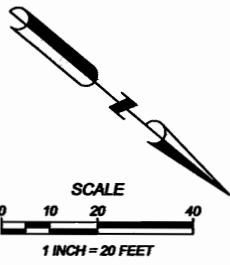
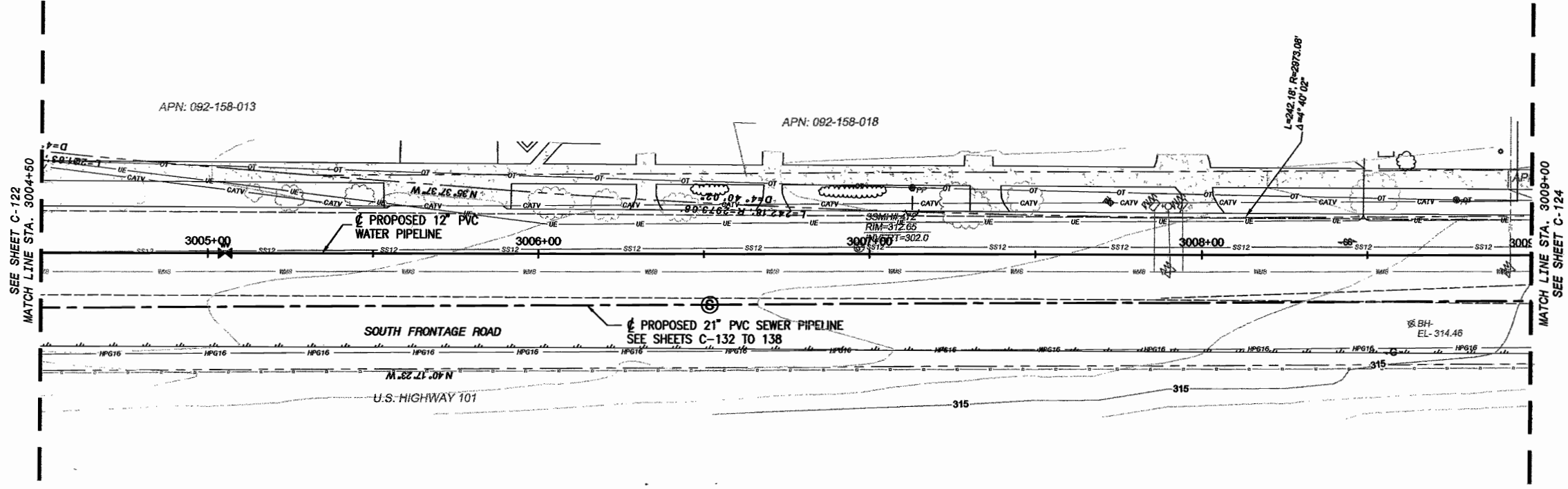
NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERTIE PROJECT - BP2
 SOUTH FRONTAGE WATER
 PLAN AND PROFILE
 STA 3000+00 TO 3004+50

DESIGNED: JHR
DETAILED: JPF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO. 00081285.0001
NCSO PROJECT NO.
CADD STDS. BOYLE
C-122
SHEET 24 OF 64

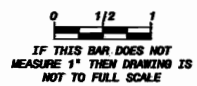
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 XREFS: Surfaces-Sections3-4-5 - Light points - NCSB-BD_BP2 - WflocBase - Ex-Utilities



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



AECOM WATER
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 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009



REV	DATE	DESCRIPTION	APPR
1		REG RUBBER	C65400
PROJECT ENGINEER			JOSHUA H. REYNOLDS
EXP. DATE			06/30/2009

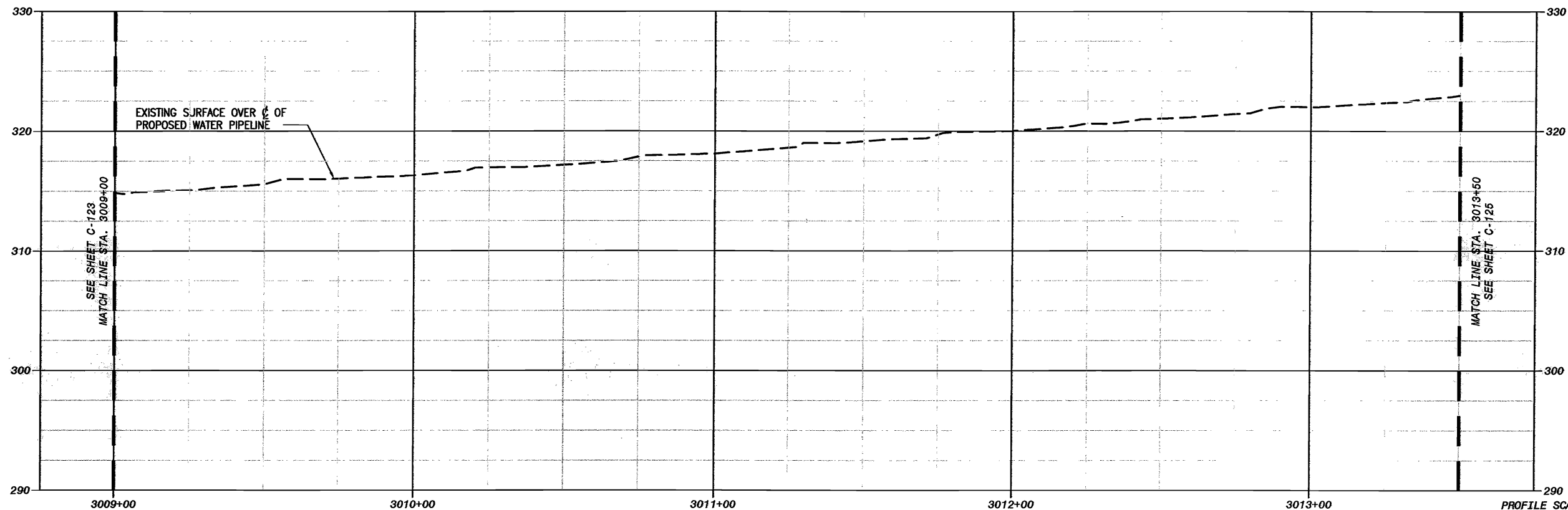
AECOM
 AECOM USA, Inc.
 1184 Pacific Street, Suite 204
 San Luis Obispo, California 93401
 T 805.542.5940 F 805.542.5990
 www.aecom.com

**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERSECT PROJECT - BP2**
**SOUTH FRONTAGE WATER
 PLAN AND PROFILE**
 STA 3004+50 to 3009+00

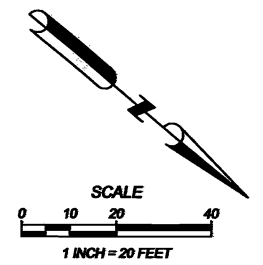
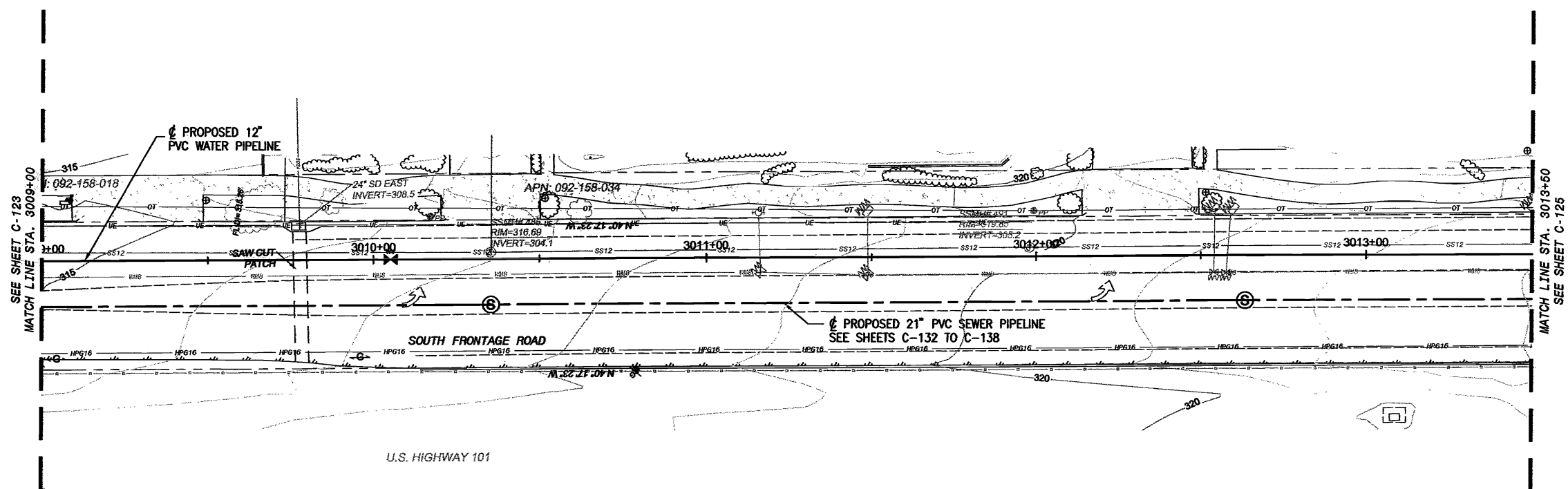
DESIGNED: JHR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 80061295.0001
 NCSB PROJECT NO.

CADD STDS.
 BOYLE
C-123
 SHEET
 25 OF 64

DMC: \\NA-Nipomo-CSD\199870-Waterline-Interline-Project-Design\Drawings\BP-2-WATERLINE-PROFILE\Drawings\BP-2-WATERLINE-PROFILE.dwg - Layout Name: C-124 - Plotted by: Froelicher, Jim Date: 4/27/2009 - 1:58 PM



PROFILE SCALE
HORIZONTAL 1"=20'
VERTICAL 1"=5'



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NOT TO BE USED FOR CONSTRUCTION
DATE: MARCH 31, 2009

IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
NOT TO FULL SCALE

REV	DATE	DESCRIPTION	BY	DATE
1		PROJECT ENGINEER	JOSHUA H REYNOLDS	09/30/2009
2		REVISION		

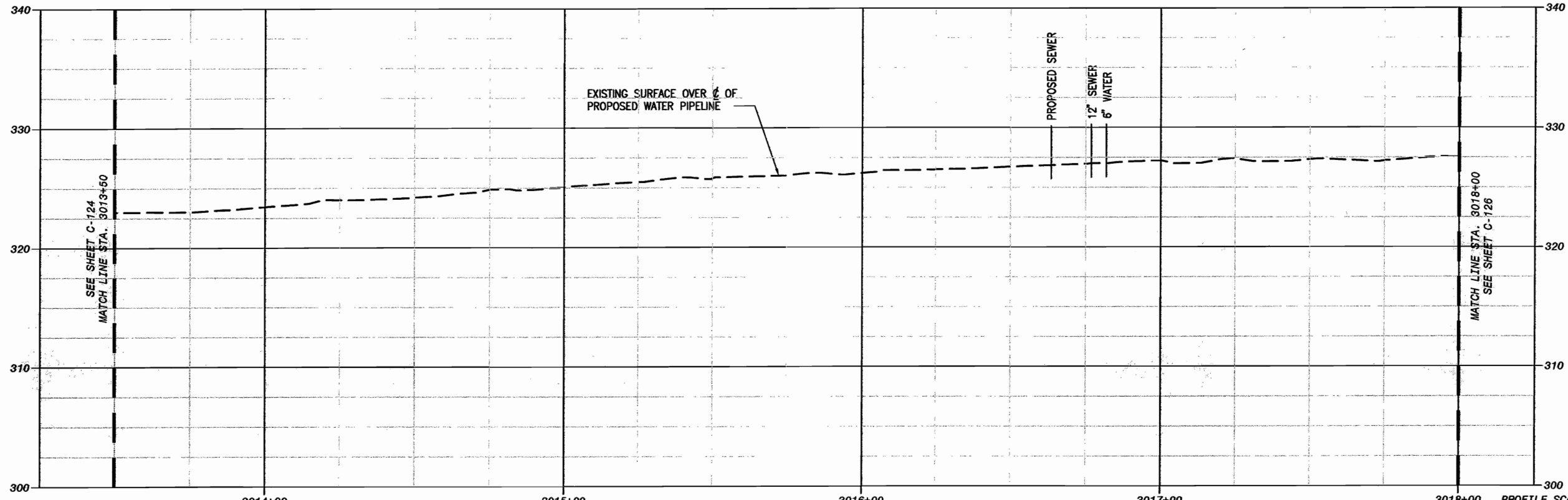
AECOM
AECOM USA, Inc.
1155 Marina Village Parkway, Suite 500
San Luis Obispo, California 93401
T 805.542.1840 F 805.542.8880
www.aecom.com

**NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERLINE PROJECT - BP2**
**SOUTH FRONTAGE WATER
PLAN AND PROFILE**
STA 3009+00 TO 3013+50

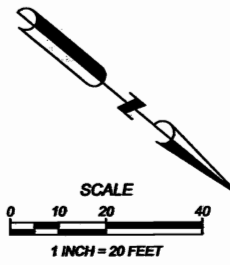
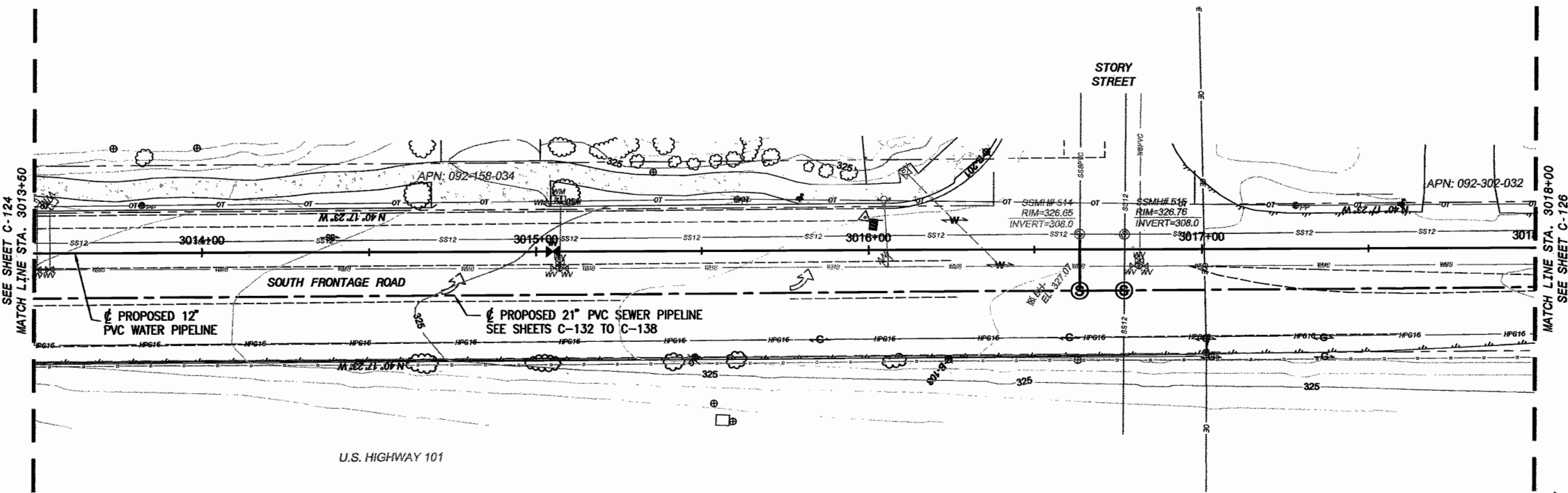
DESIGNED: JHR
DETAILED: JPF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO.
80061295.0001
NCSO PROJECT NO.

CADD STDS.
BOYLE
C-124
SHEET
26 OF 64

C:\GIS\Nipomo_CSD\1999670\Nipomo\Interline\Project\Design\Drawings\Plan\DWG\Nipomo\BP-2\NIPOMO_PIPELINE\300\Plan\Nipomo_C-125.dwg, Plotted by: Fraulicher, Jim Date: 4/27/2009 - 1:59 PM
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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

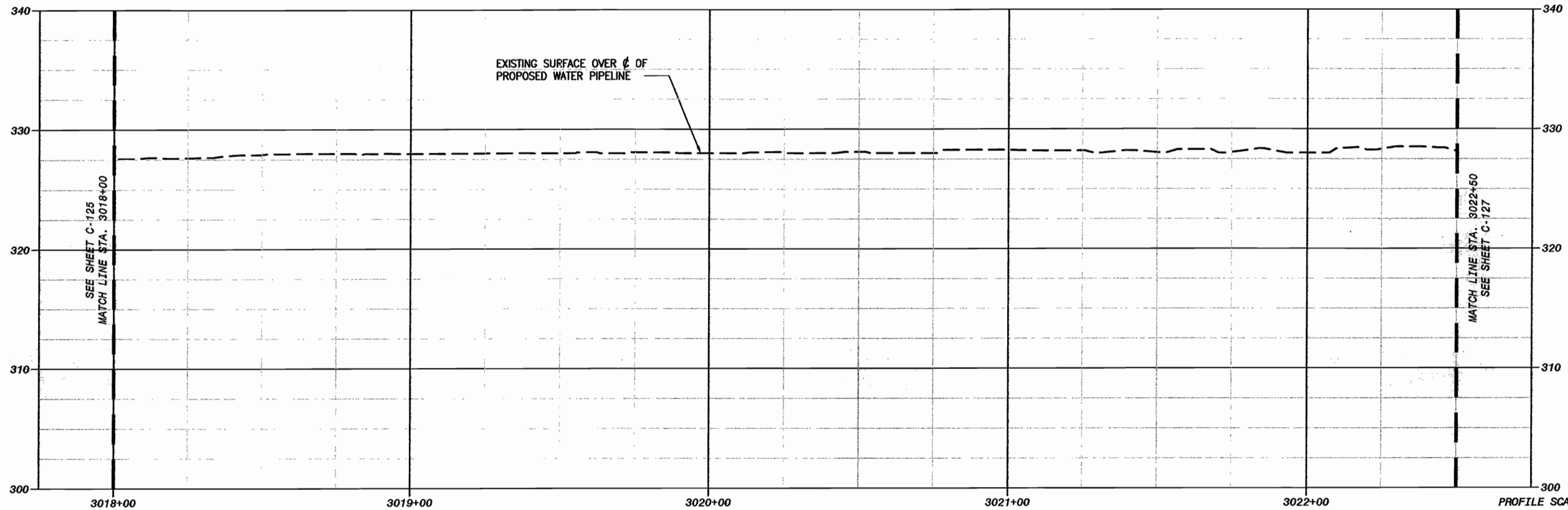


AECOM WATER
FOR PRELIMINARY USE ONLY
 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

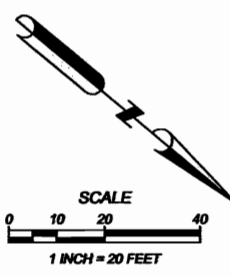
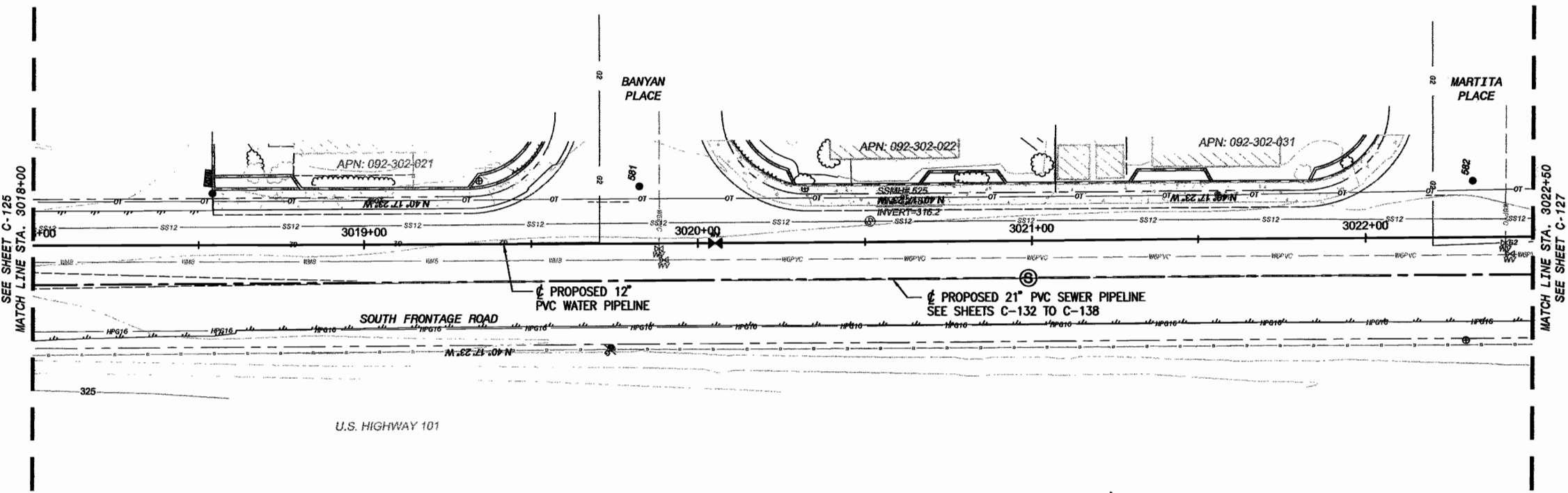
IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

AECOM	
AECOM USA, Inc. 1194 Pacific Street, Suite 204 San Jose, CA 95128 TEL: 408.453.4000 FAX: 408.453.4000 www.aecom.com	PROJECT ENGINEER JOSHUA H. REYNOLDS REG. NUMBER C66400 APPR DATE 09/30/2009
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP2	
SOUTH FRONTAGE WATER PLAN AND PROFILE STA 3013+50 to 3018+00	
DESIGNED: JWR DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 80061295.0001 NCSF PROJECT NO.	
CADD STDS. BOYLE	
C-125 SHEET 27 OF 64	

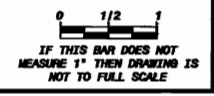
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 PLOTTED BY: FRIEDLICH, JIM
 NIPOMO: Nipomo - Ex-Utility
 NIPOMO: Nipomo - Ex-Utility
 NIPOMO: Nipomo - Ex-Utility



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009



APP'D		EXP. DATE	09/30/2009
REV.	DESCRIPTION	TRAC NUMBER	C95400
DATE			
PROJECT ENGINEER	JOSHUA H. REYNOLDS		

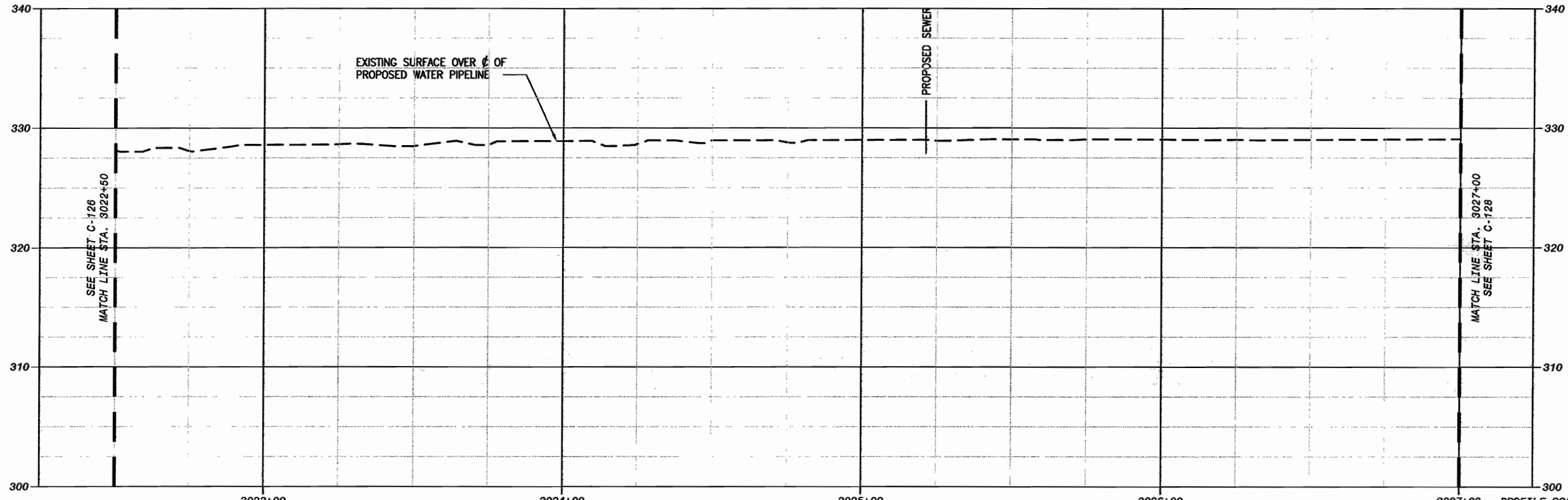
AECOM
 1825 K ST., SUITE 204
 SAN JOSE, CALIFORNIA 95101
 T 408.542.9940 F 408.542.9900
 WWW.AECOM.COM

NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERTIE PROJECT - BP2
SOUTH FRONTAGE WATER
PLAN AND PROFILE
STA 3018+00 TO 3022+50

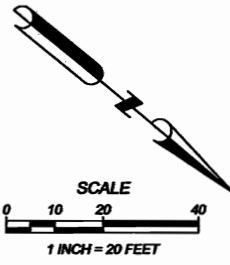
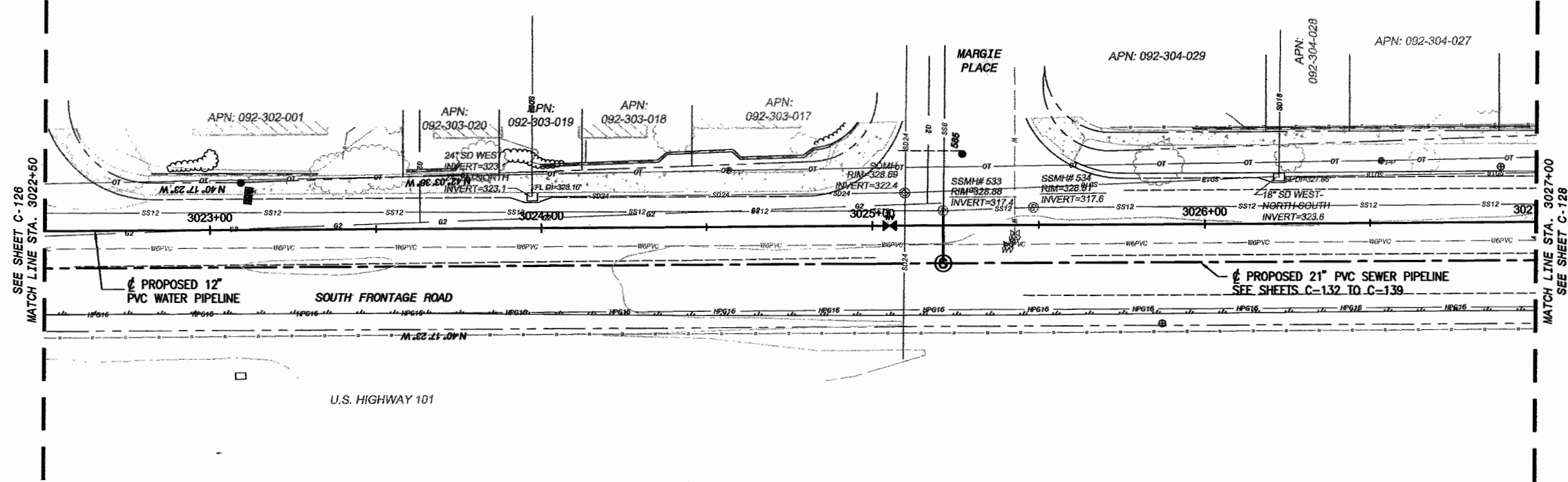
DESIGNED:	JWR
DETAILED:	JPF
CHECKED:	
APPROVED:	
DATE:	MARCH 2009
AECOM PROJECT NO.	80081295.0001
NCSD PROJECT NO.	

CADD STDS.
 BOYLE
C-126
SHEET
 28 OF 64

DWG: N:\Vipomo_CSD (19988) 19988_20 Waterline Intersect Project Design\Drawings\Plan\AECOM\BP-2_NIPOMO_PIPELINE\JOB_Plan\AECOM\C-122 to C-133.dwg Layout Name: C-127 - Plotted by: Freilicher, Jim Date: 4/27/2009 - 2:00 PM
 XREFS: Surface-Station3-4-3 - Light points - US2D-BD_BP2 - Microstation - C:\Users\jfreiliche\AppData\Local\Temp\ipom039 - Samba Area Waterline-1.dwg - Samba Area Waterline-2.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



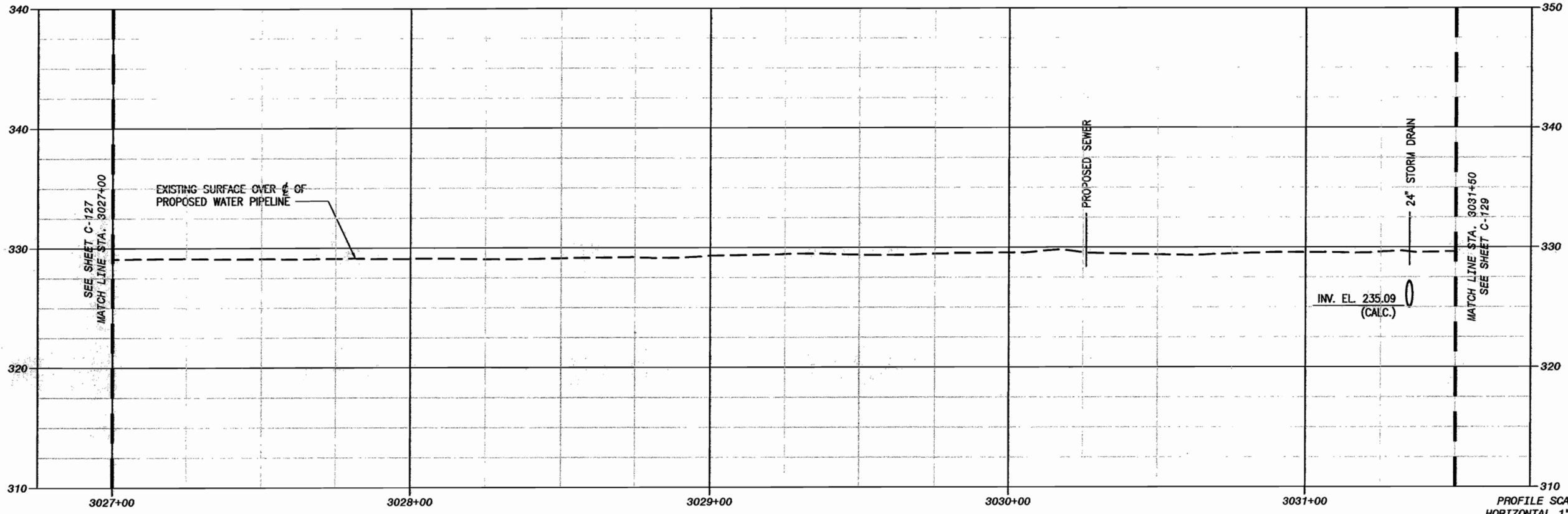
AECOM WATER
FOR PRELIMINARY USE ONLY
 NOT TO BE USED FOR CONSTRUCTION

DATE: MARCH 31, 2009

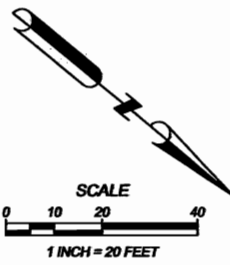
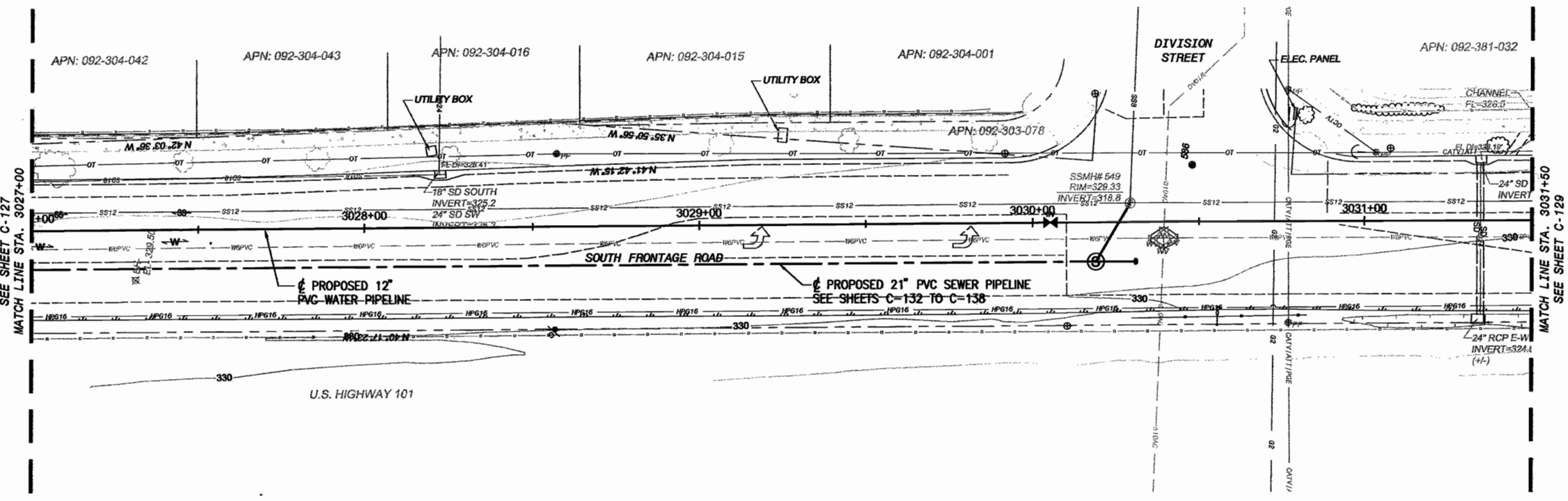
0 1/2 1
 IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

	AECOM USA, Inc. 1000 Wilshire Blvd., Suite 200 San Francisco, California 94101 T 415.764.2500 F 415.764.2500 www.aecom.com
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERIECT PROJECT - BP2 SOUTH FRONTAGE WATER PLAN AND PROFILE STA 3022+50 to 3027+00	
DESIGNED: JWR DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 60081295.0001 NCSO PROJECT NO.	PROJECT ENGINEER JOSHUA H REYNOLDS REG NUMBER C65400 DATE 09/30/2009 APPR DATE
CADD STDS. BOYLE C-127 SHEET 29 OF 64	

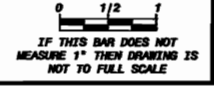
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 DATE: 4/27/2009 2:01 PM
 PLOTTED BY: FROELICHER, JIM
 LAYOUT NAME: C-128
 SOURCE FILE: Waterline-2.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



AECOM WATER
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 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009



APPRI	09/30/2009
DESCRIPTION	C95400
REV NUMBER	
DATE	
PROJECT ENGINEER	JOSHUA H. REYNOLDS

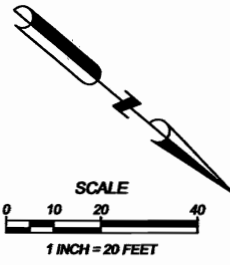
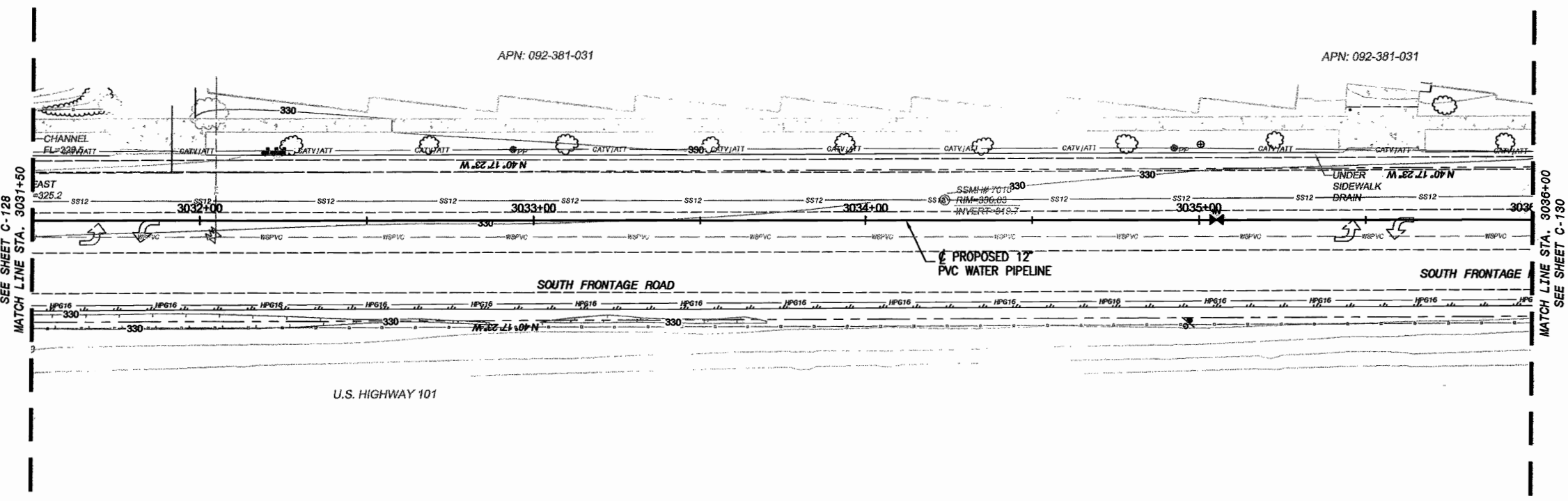
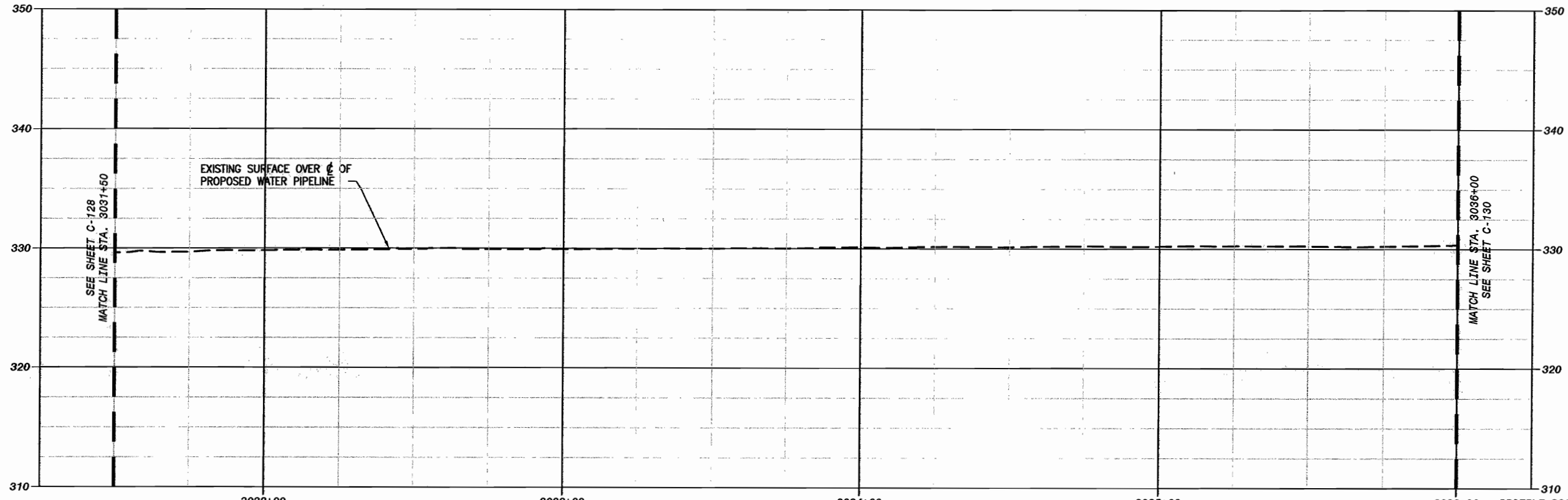
AECOM
 1154 Pico Blvd., Suite 204
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NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERLINE PROJECT - BP2
SOUTH FRONTAGE WATER
PLAN AND PROFILE
STA 3027+00 TO 3031+50

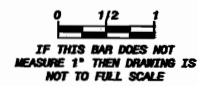
DESIGNED: JHR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 80081206.0001
 NCSD PROJECT NO.

CADD STDS.
 BOYLE
C-128
 SHEET
 30 OF 64

DWG: W:\Nipomo_CSD (199801) 19981670 Waterline Upgrade Project Design Plans\CAD Plans\BP-2_WFPOWD_PIPE\NIP_C-129 to C-131.dwg Layout: Nipomo_C-129 - Plotted by: Freilicher, Jim Date: 4/27/2009 - 2:02 PM
 XREFS: Surface-Station3-4-5 - Ligne points - MSD-SD_BP2 - MicroStation - Ex-Utilities - ACCESS - Nipomo Upgrade - Santa Maria Irrigation-Land - Santa Maria Irrigation-2.dwg



AECOM WATER
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 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009



REV	DATE	DESCRIPTION	BY	DATE
1			JOSHUA H. REYNOLDS	08/30/2009

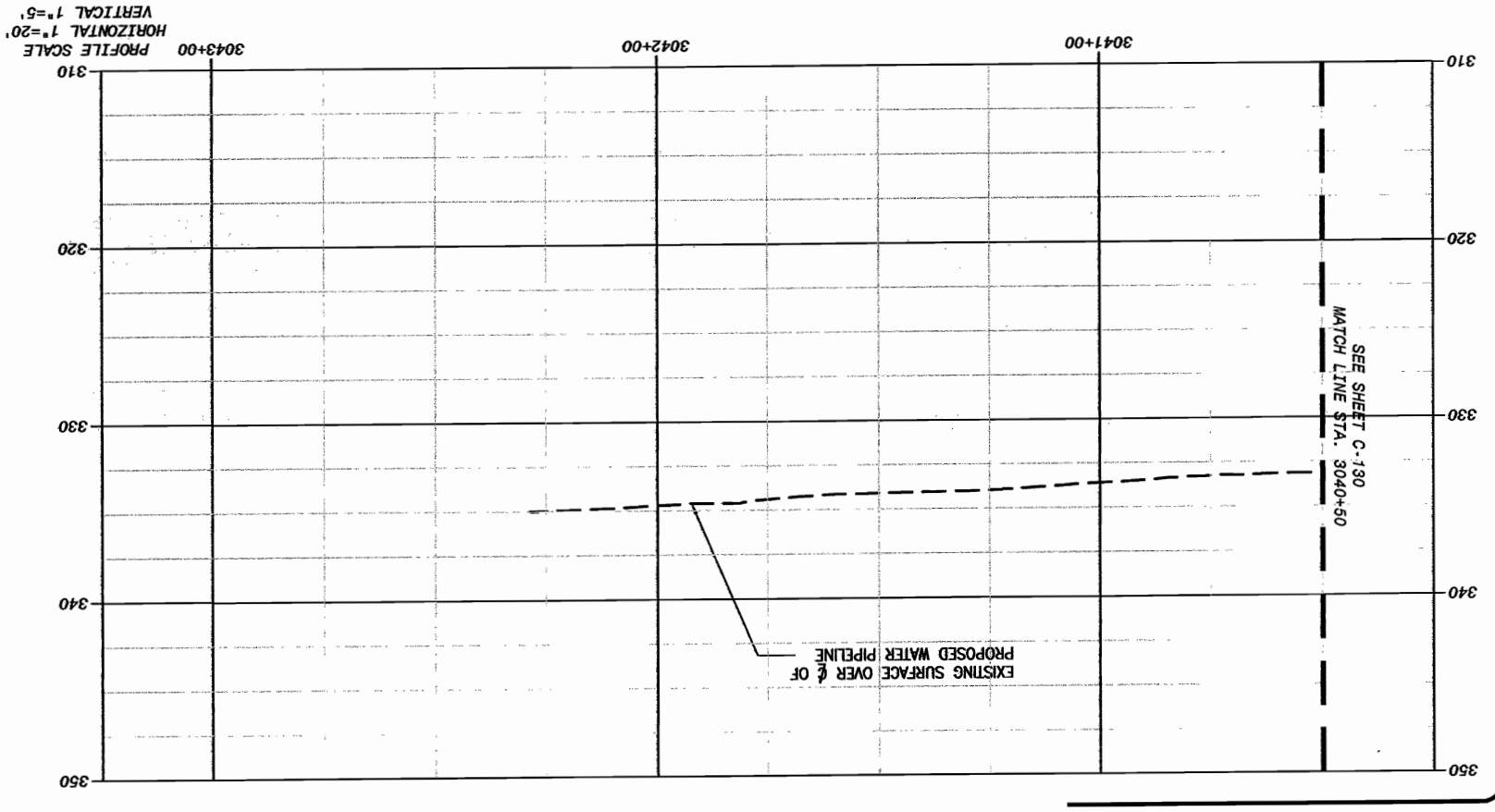
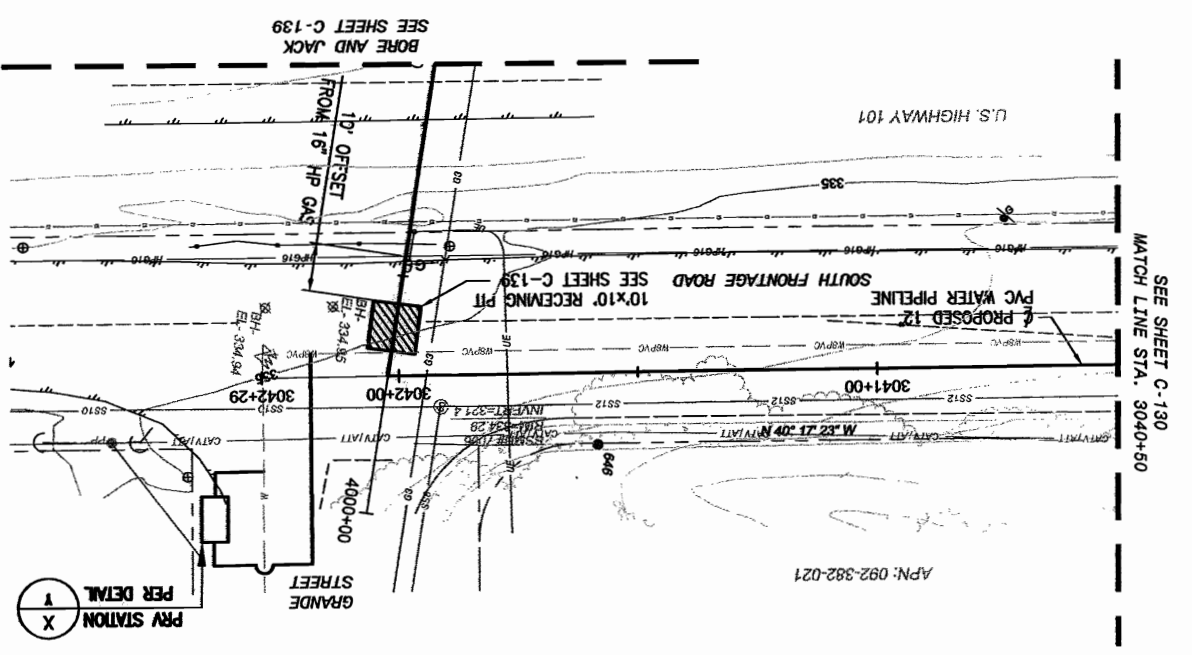
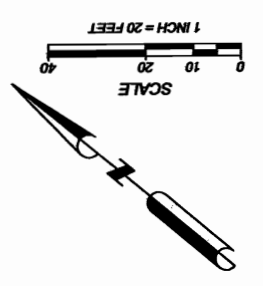
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 1000 West Street, Suite 800
 San Luis Obispo, CA 93401
 T 805.542.8840 F 805.542.8990
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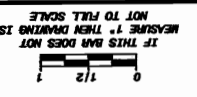
**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERTIE PROJECT - BP2
 SOUTH FRONTAGE WATER
 PLAN AND PROFILE
 STA 3031+50 TO 3036+00**

DESIGNED: JHR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 80081285.0001
 NCSD PROJECT NO.

CADD STDS.
 BOYLE
C-129
 SHEET
 31 OF 64



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 AECOM WATER



DATE: MARCH 31, 2009

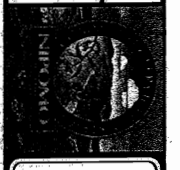
NOT TO BE USED FOR CONSTRUCTION

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

SHEET C-131
 33 OF 64
 CAD STANDARDS
 BOYLE

NCS0 PROJECT NO. 00081296.0001
 AECOM PROJECT NO. 00081296.0001
 DATE: MARCH 2009
 APPROVED:
 CHECKED:
 DETAILED: JPF
 DESIGNED: JMN

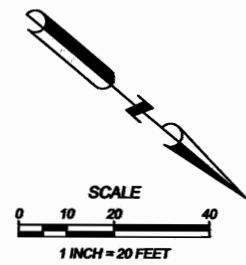
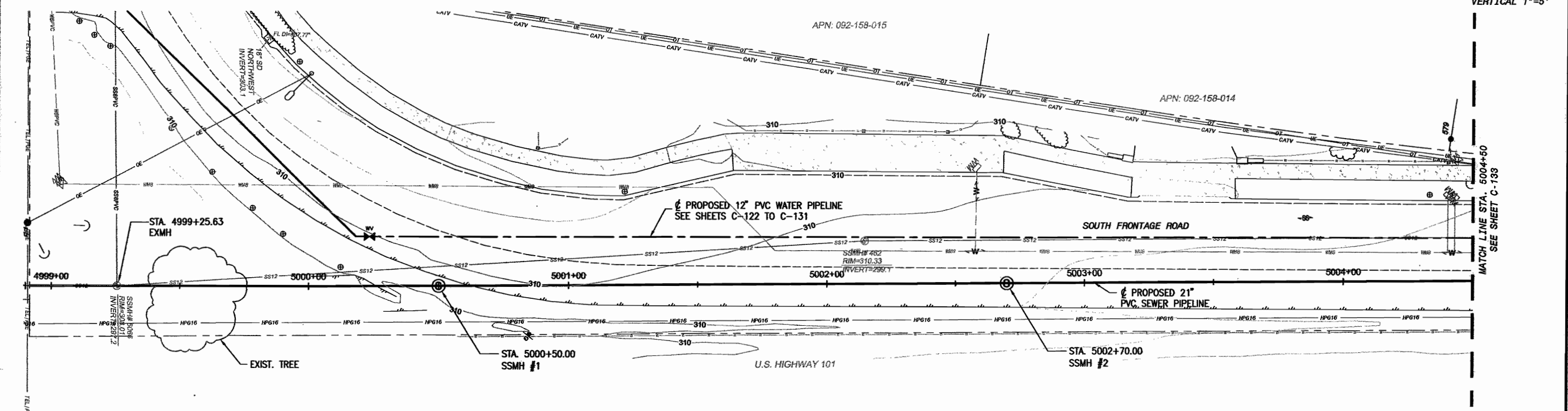
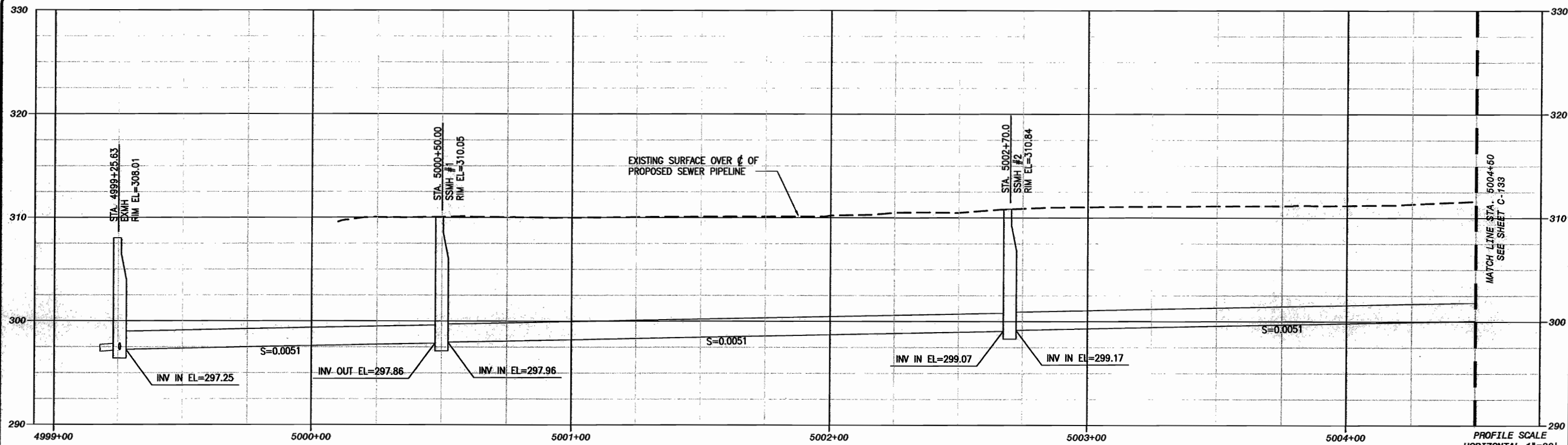
NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERTE PROJECT - BP2
 SOUTH FRONTAGE WATER
 PLAN AND PROFILE
 STA 3040+50 TO 3043+00



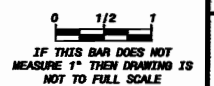
AECOM
 AECOM USA, Inc.
 1194 Pacific Street, Suite 204
 San Luis Obispo, California 93401
 T 805.542.2890 F 805.542.2890
 www.aecom.com

REV	DATE	DESCRIPTION	REV NUMBER	APP'D	DATE
1		PROJECT EXAMINER			
2		JOSHUA H. REYNOLDS	096400		08/30/2008

D:\MSD\1998670\Waterline\Inertia\Project\Design\Plan\BP-2\NIPOMO\PRELIM\XREF\Plan\BP-2\C-132.dwg, Layout Name: C-132 - Plotted by: Froulicher, Jim Date: 4/27/2009 - 2:20 PM
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 DATE: MARCH 31, 2009



REV	DATE	DESCRIPTION	REF NUMBER	APPR DATE
1			C65400	08/30/2008

PROJECT ENGINEER: JOSHUA H. REYNOLDS
 PROJECT NUMBER: C65400

AECOM
 AECOM USA, Inc.
 1184 Pacific Street, Suite 204
 San Jose, CA 95128
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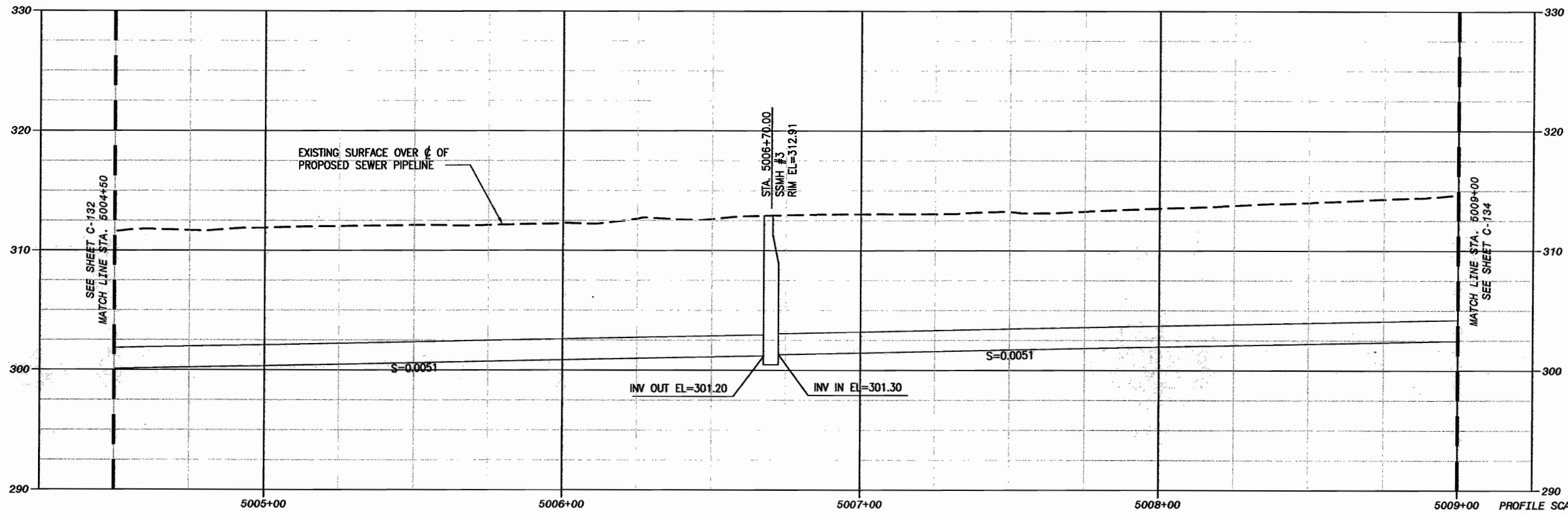


NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERIE REPLACEMENT
SOUTH FRONTAGE SEWER REPLACEMENT
PLAN AND PROFILE
STA 4999+00 to 5004+50

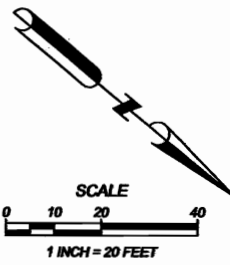
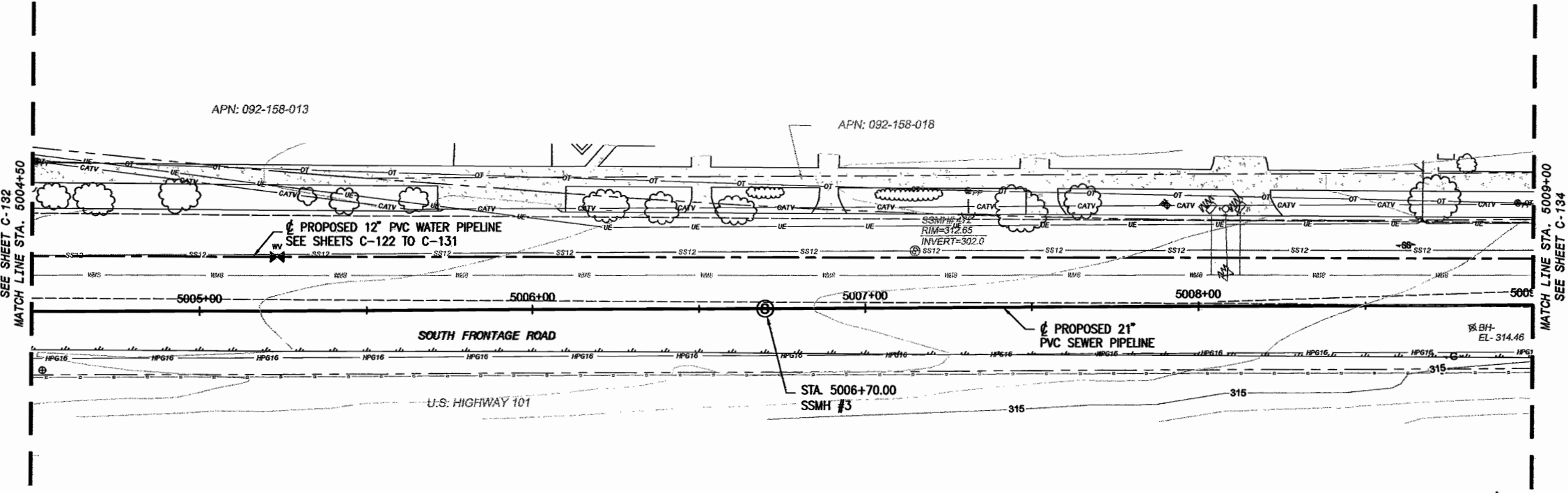
DESIGNED: JHR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 80061295.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-132
 SHEET
 34 OF 64

D:\CADD\1998670\Waterline\Intertie\Project\Drawings\DWG\Profile\Profile-C-133.dwg - Plotted by: Fraelicher, Jim Date: 4/27/2009 - 2:20 PM
 XREFS: Nipomo.apn - NCS-80-BP2 - E-Utilities - WallowaBas - Surface-sections-3 - S
 MACES: Nipomo.apn - Sema Water Wallowa-2.dwg - Sema Water Wallowa-2.dwg - Sema Water Wallowa-2.dwg - Sema Water Wallowa-2.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



AECOM WATER
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 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

REV	DATE	DESCRIPTION	BY	DATE
1				
2				
3				
4				

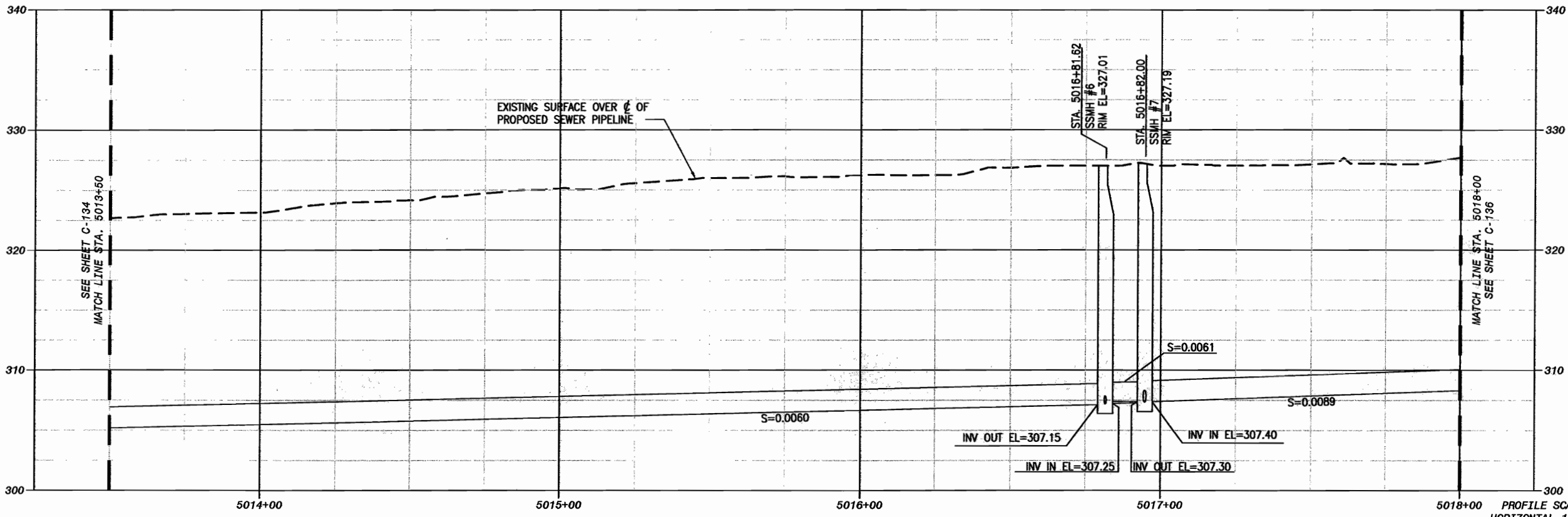
AECOM
 AECOM USA, Inc.
 14141 Pacific Street, Suite 200
 San Diego, CA 92128
 T 602.542.8940 F 602.542.8990
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NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERTIE PROJECT - BP2
SOUTH FRONTAGE SEWER REPLACEMENT
PLAN AND PROFILE
STA 5004+50 TO 5009+00

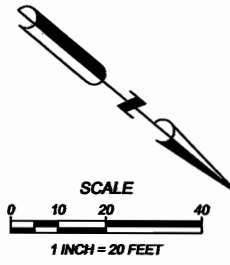
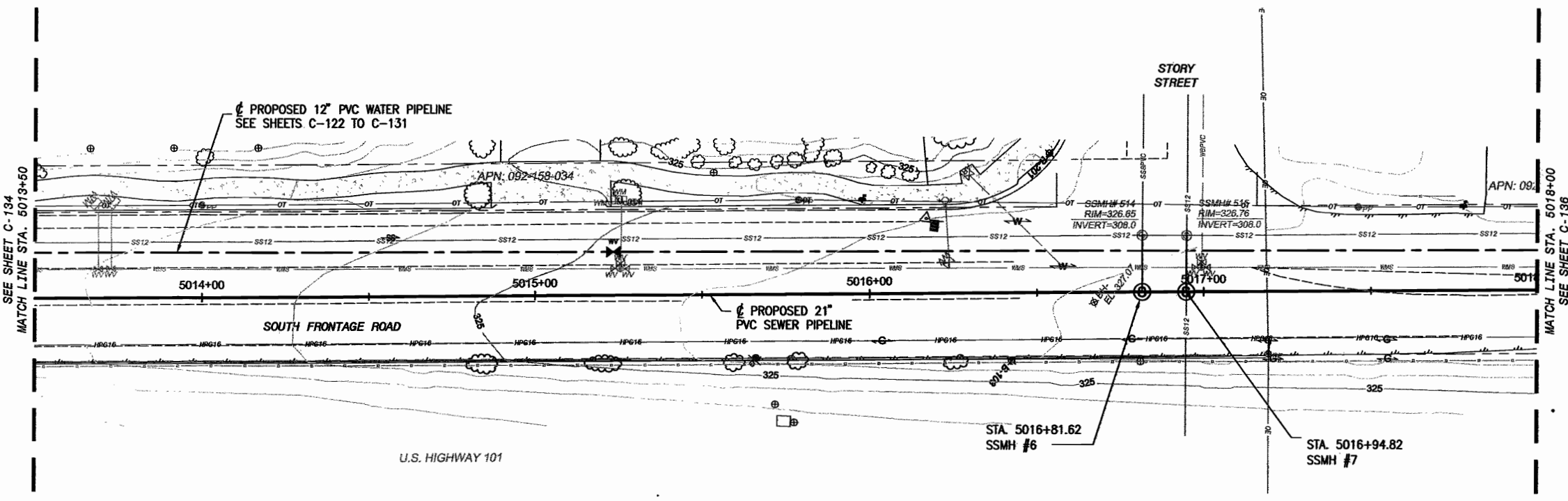
DESIGNED: JWR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 60081295.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-133
SHEET
35 OF 64

DWG: N:\Nipomo_CSD (18086) 1998670 Waterline Interite Project Design\Drawings\Plan\DWG\Plan\BP-2-NIPOMO PIPELINE\300\Plan\BP-2-C-135.dwg Layout Name: C-135
 Date: 4/27/2009 2:22 PM
 Plotted by: Freilicher, Jim
 Project: Nipomo Interite - Ex-Utility - Waterbase - Surface-Sections3-4-5
 Images: Nipomo Interite - Ex-Utility - Waterbase - Surface-Sections3-4-5
 User: Santa Maria Waterline-2.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

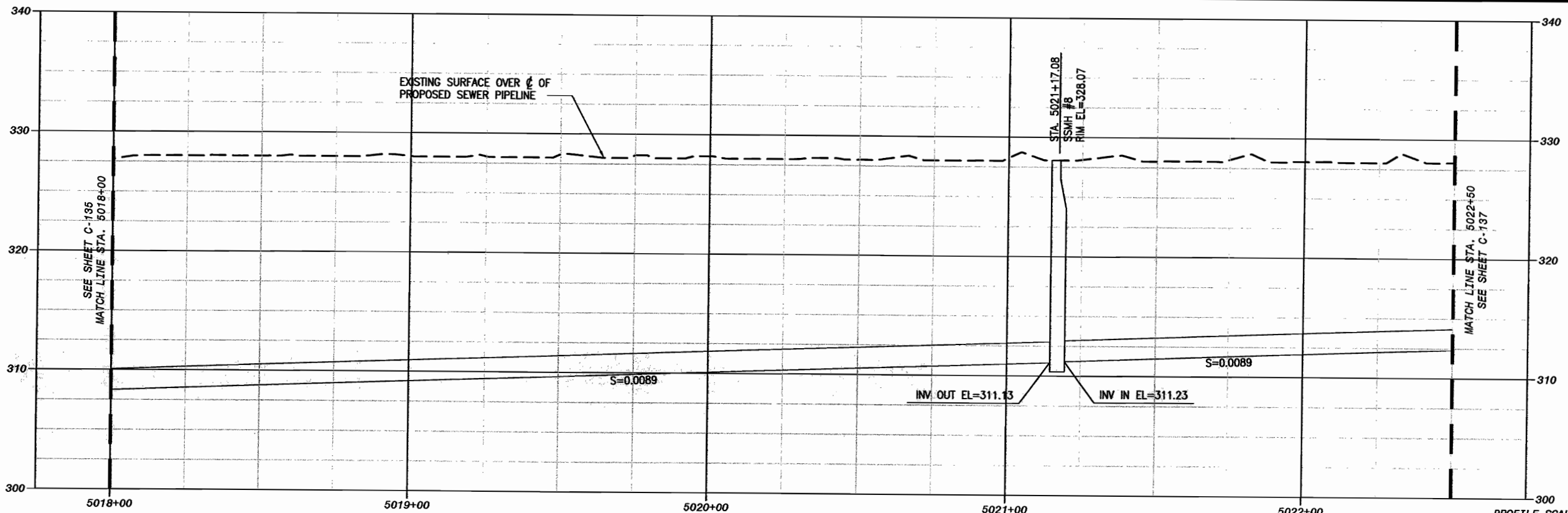


AECOM WATER
FOR PRELIMINARY USE ONLY
 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

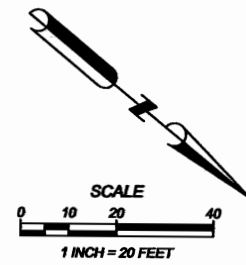
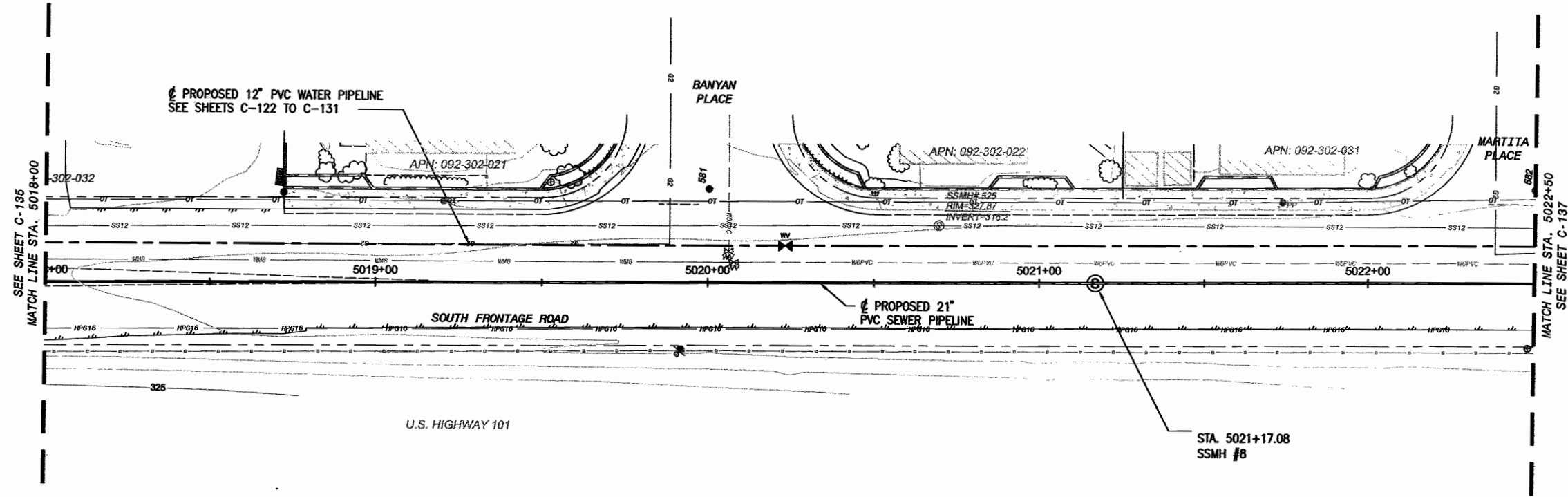
IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
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AECOM <small>AECOM USA, Inc. Suite 200 1794 Pacific Street Torrance, CA 90504 T 805.242.8900 F 805.242.8990 www.aecom.com</small>	
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERITE PROJECT - BP2 SOUTH FRONTAGE SEWER REPLACEMENT PLAN AND PROFILE STA 5013+50 to 5018+00	
DESIGNED: JHR	APPROVED: JHR
DETAILED: JPF	DATE: MARCH 2009
CHECKED:	AECOM PROJECT NO. 80081296.0001
APPROVED:	NCSO PROJECT NO.
CADD STDS. BOYLE	
C-135 SHEET 37 OF 64	

DWG: W:\Nipomo_CSD (1998)\1899670 Waterline Intertie Project Design\Drawings\Plan\APN\APN-092-302-021.dwg
 XREFS: Nipomo points - NCSO-SD_BP2 - Ex-Utilities - Waterlines - Surface-Systems-C-3
 IMAGES: Nipomo logo.jpg - Santa Maria Waterline-1.dwg - Santa Maria Waterline-2.dwg
 Date: 4/27/2009 - 2:22 PM
 Plotted by: Freilicher, Jim



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



AECOM WATER
FOR PRELIMINARY USE ONLY
 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

REV	DATE	DESCRIPTION	BY	CHK
1				
2				
3				

PROJECT ENGINEER: JOSHUA H. RETYMOULDS
 PROJECT NUMBER: C05-000
 EXP DATE: 09/30/2009

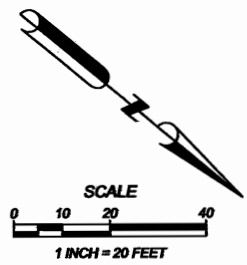
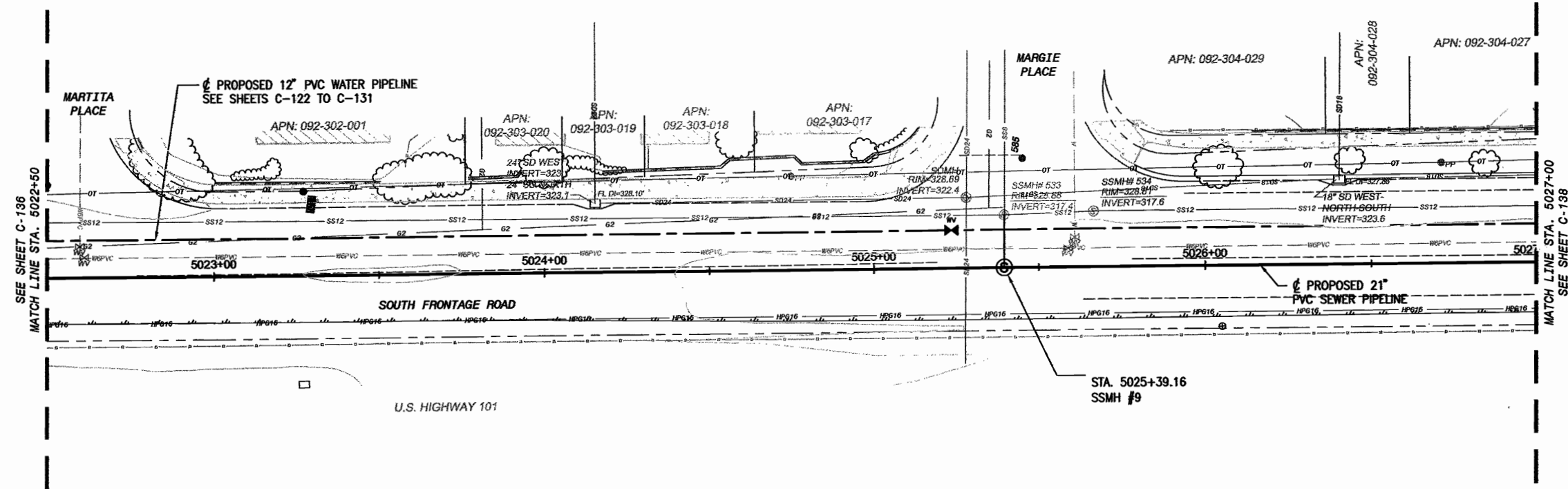
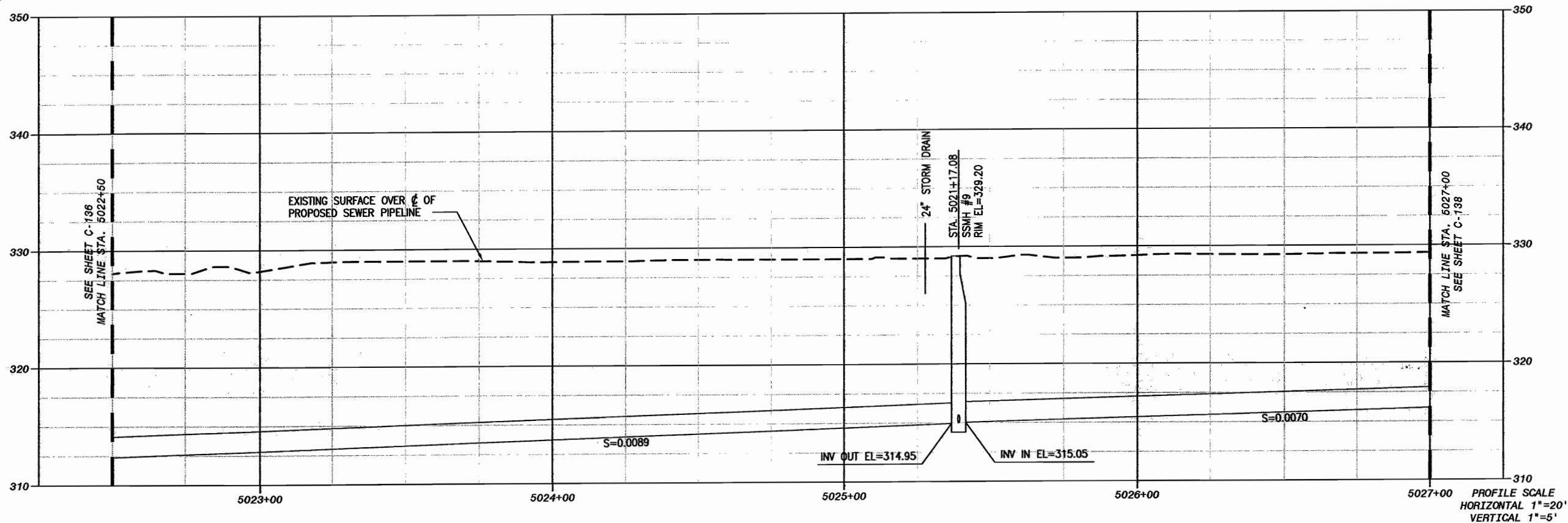
AECOM
 AECOM USA, Inc.
 1154 Pacific Street, Suite 204
 San Jose, CA 95128-1601
 T 650-543-0000 F 650-543-0001
 www.aecom.com

**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERTIE PROJECT - BP2**
**SOUTH FRONTAGE SEWER REPLACEMENT
 PLAN AND PROFILE**
STA 5018+00 TO 5022+60

DESIGNED: JHR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 60081286.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-136
 SHEET
 38 OF 64

DWG: W:\Nipomo_CSD (1999)\1999\1999\Waterline Inertia Project\Design Plans\CAD\Plan\BP-2_NIPOMO PIPELINE\BP-2-NIPOMO-Waterline-1.dwg Plot Date: 4/27/2009 - 2:23 PM
 XREFS: Tugro points - NCSO-BD_BP2 - D3-Utilities - NCSO-BD - Waterline - 1.dwg
 MAPCS: Nipomo Logo.dwg - Santa Maria Waterline-1.dwg - Santa Maria Waterline-2.dwg



AECOM WATER
FOR PRELIMINARY USE ONLY
 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

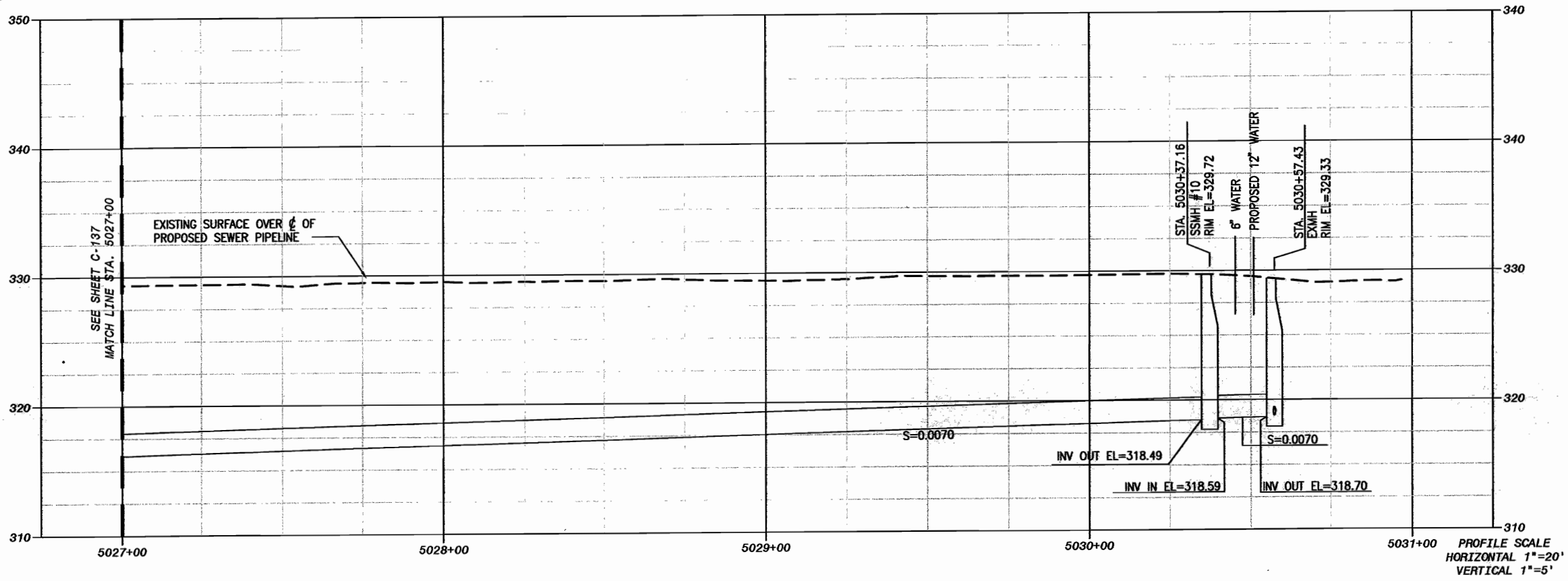
AECOM
 AECOM USA, Inc.
 194 Pacific Street, Suite 504
 San Francisco, CA 94102
 T 800.542.8940 F 800.542.8990
 www.aecom.com

PROJECT NUMBER: C95-400
 PROJECT ENGINEER: JOSHUA H. REYNOLDS
 DATE: 08/30/2009

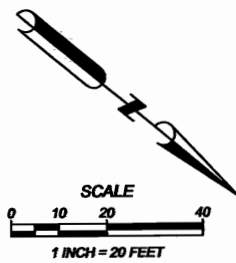
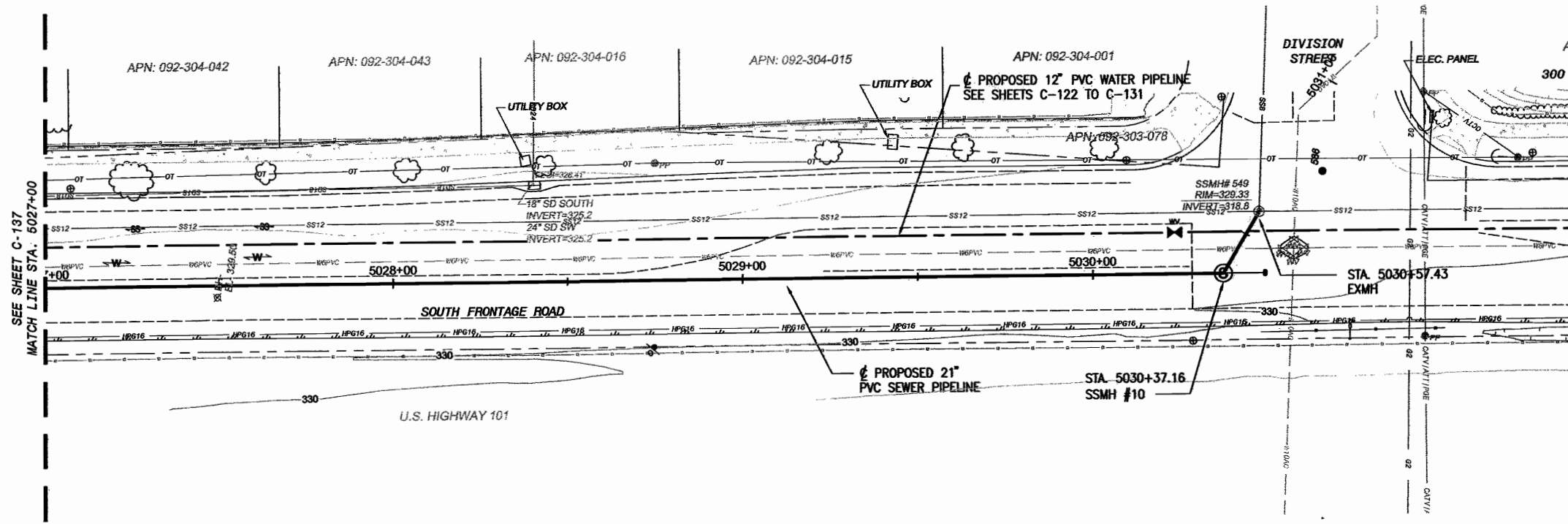
**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERIE PROJECT - BP2
 SOUTH FRONTAGE SEWER REPLACEMENT
 PLAN AND PROFILE
 STA 5022+50 to 5027+00**

DESIGNED: JMR
DETAILED: JPF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO. 00061296.0001
NCSO PROJECT NO.
CADD STDS. BOYLE
C-137 SHEET 39 OF 64

D:\C:\Users\jrh\Documents\1999670 Waterline Intertie Project\Drawings\Plan\SS12 to C-138.dwg Plot Date: 4/27/2009 2:23 PM
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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



AECOM WATER
FOR PRELIMINARY USE ONLY
 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

APPR	09/30/2009
DESIGNER	JOSHUA H. REYNOLDS
PROJECT ENGINEER	JOSHUA H. REYNOLDS
REV	DATE
DESCRIPTION	REF NUMBER
065-400	

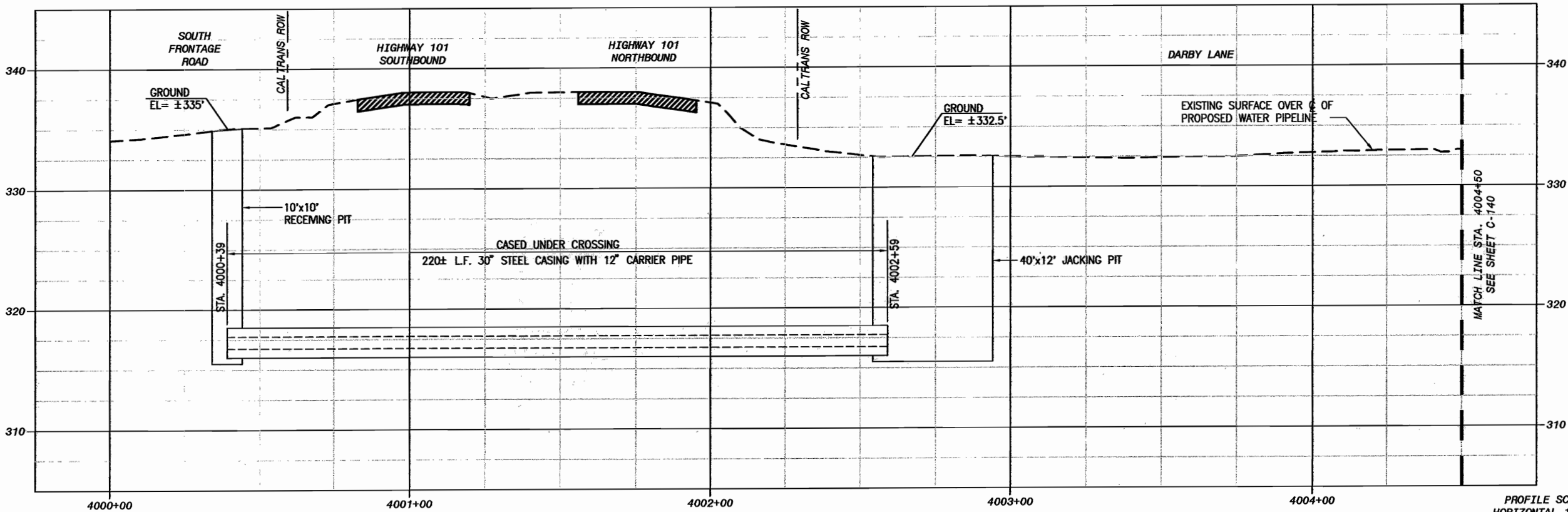
AECOM
 AECOM USA, Inc.
 11400 Wilshire Blvd., Suite 300
 Los Angeles, CA 90025
 T 800.542.8840 F 800.542.8880
 www.aecom.com

NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERTIE PROJECT - BP2
SOUTH FRONTAGE SEWER REPLACEMENT
PLAN AND PROFILE
STA 5027+00 to 5031+00

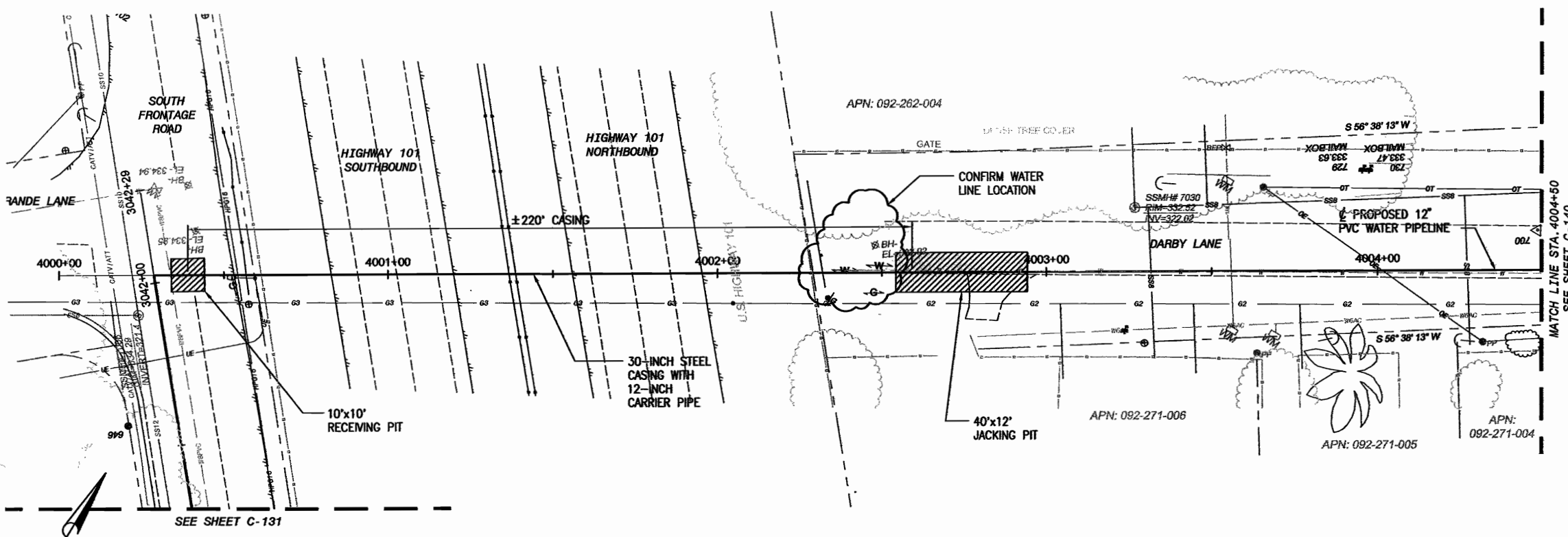
DESIGNED:	JRH
DETAILED:	JPF
CHECKED:	
APPROVED:	
DATE:	MARCH 2009
AECOM PROJECT NO.	60061296.0001
NCSD PROJECT NO.	

CADD STDS.
 BOYLE
C-138
 SHEET
 40 OF 64

DWG: W:\Nipomo_CSD (19985)\19985.70 Waterline Interline Project Design\Drawings\Plan\CAO\Plan\CAO-139 C-140.dwg
 XREFS: NCS-IP-02_BP2 - fugro points - WallaceBase - Surface-Sections3-4-5 - Ex-Utilities
 IMAGES: Nipomo logo.jpg - Santa Maria Waterline-1.dwg - Santa Maria Waterline-2.dwg
 Plotted by: Freilicher, Jim Date: 4/27/2009 - 2:31 PM



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



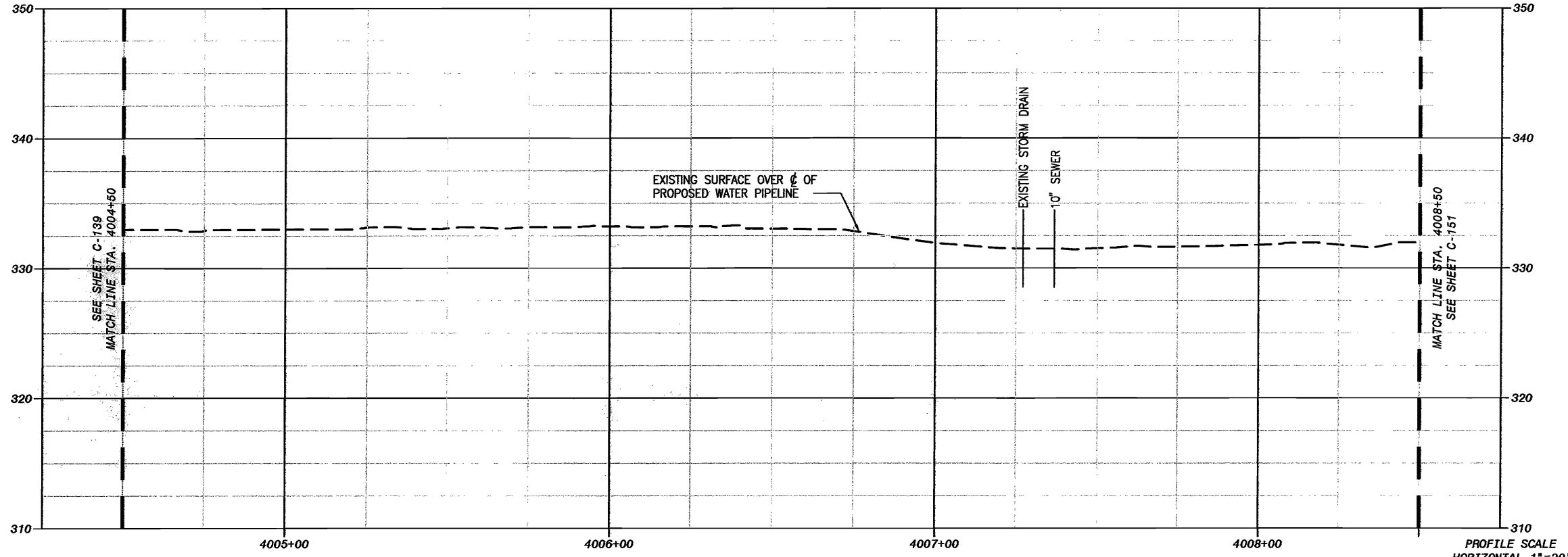
SCALE
 1 INCH = 20 FEET

AECOM WATER
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 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

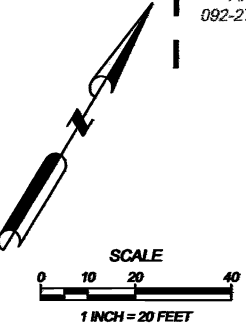
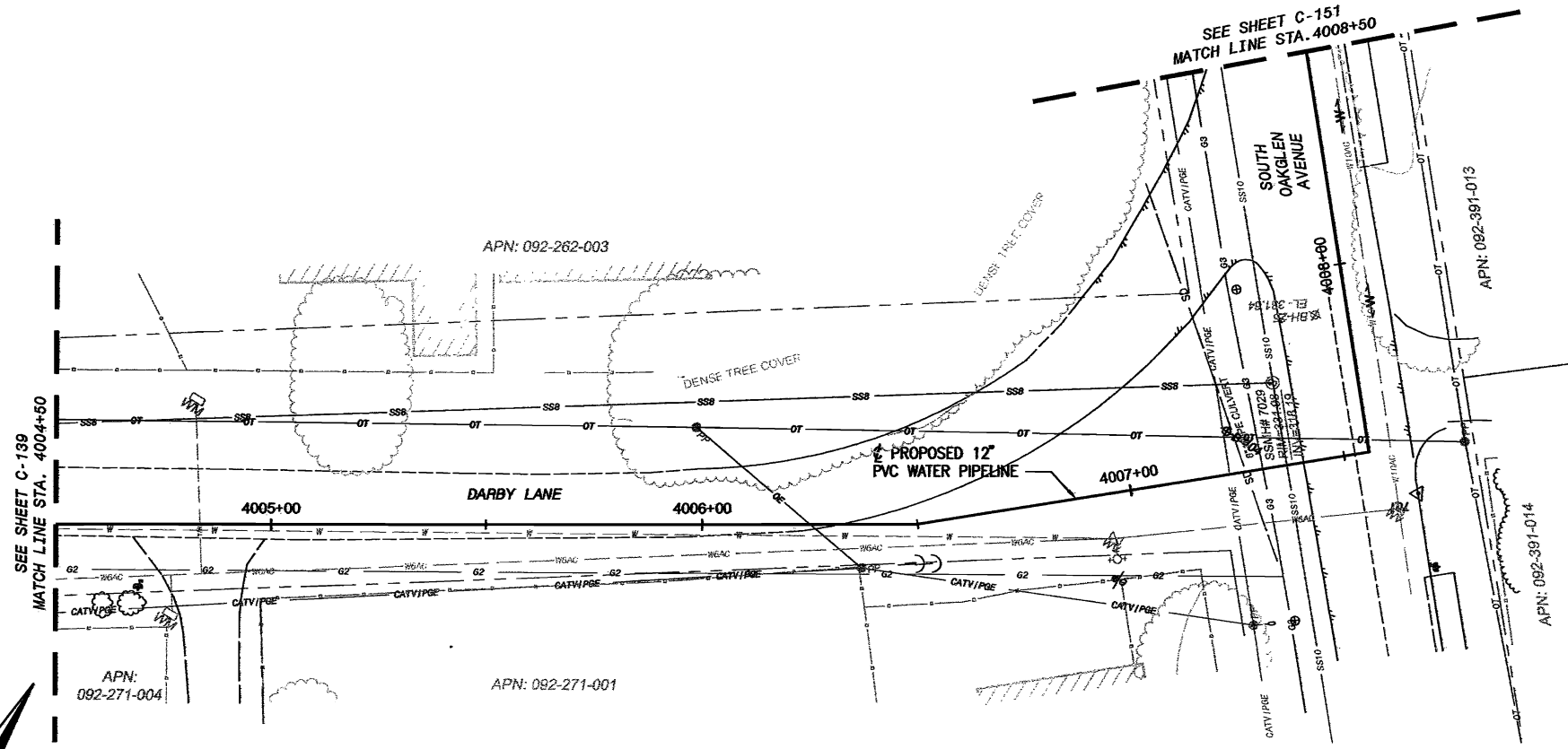
IF THIS BAR DOES NOT
 MEASURE 1" THEN DIMENSIONS
 NOT TO FULL SCALE

AECOM	
AECOM USA, Inc. 1194 Pacific Street, Suite 204 San Luis Obispo, California 93401 T 805-942-6900 F 805-942-9890 www.aecom.com	PROJECT ENGINEER JOSHUA H. REYNOLDS DATE 09/30/2009 DESCRIPTION C65400 APP. DATE 09/30/2009
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP2 HIGHWAY 101 CROSSING PLAN AND PROFILE STA 4000+00 to 4004+50	
DESIGNED: JHR	APPROVED:
DETAILED: JPF	
CHECKED:	
DATE: MARCH 2009	
AECOM PROJECT NO. 60061295.0001	
NCS-D PROJECT NO.	
CADD STDS. BOYLE	
C-139	
SHEET	
41 OF 64	

DWG: W:\Projects\10986_70\Waterline\Interline\Project\Design\Plan\APN\BP-2\NIPOMO_PIPELINE\BP-2_NIPOMO_PIPELINE.dwg Plot Date: 4/27/2009 2:31 PM
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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

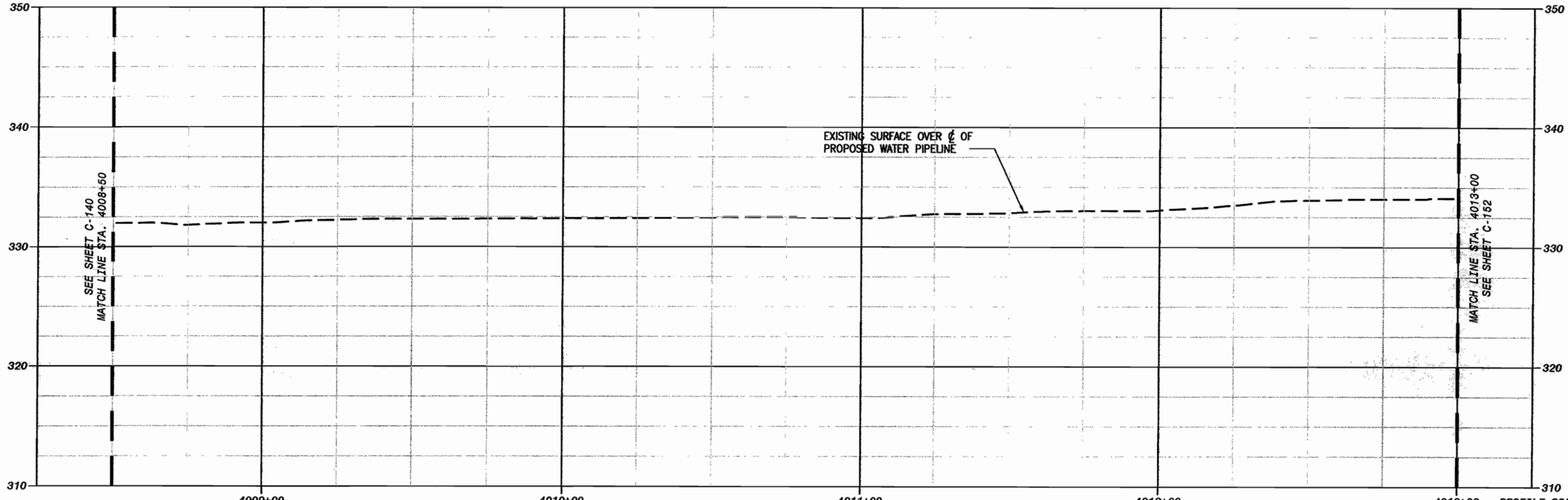


AECOM WATER
FOR PRELIMINARY USE ONLY
 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

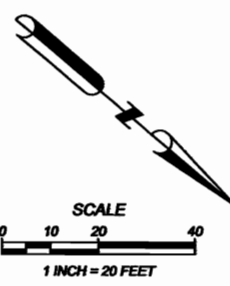
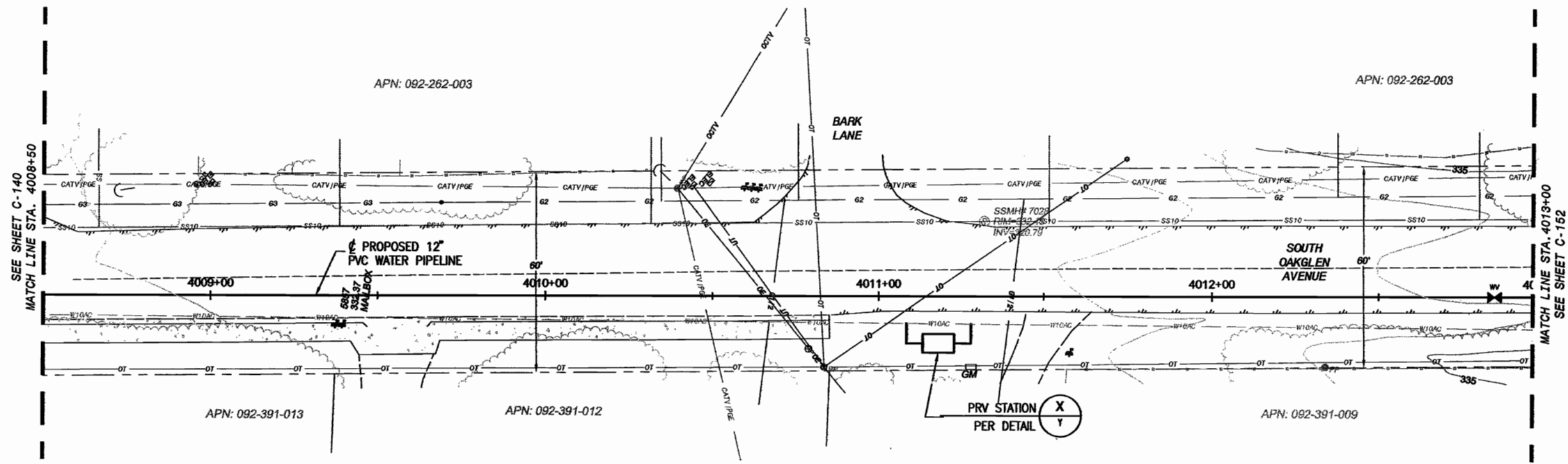
IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

<p>AECOM</p> <p>AECOM USA, Inc. 1100 Jamboree Street, Suite 204 San Jose, CA 95128 T 805.242.8940 F 805.242.8990 www.aecom.com</p>	
<p>NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP2</p> <p>DARBY LANE PLAN AND PROFILE STA 4004+50 to 4008+50</p>	
<p>DESIGNED: JHR</p> <p>DETAILED: JPF</p> <p>CHECKED:</p> <p>APPROVED:</p> <p>DATE: MARCH 2009</p> <p>AECOM PROJECT NO. 00001296.0001</p> <p>NCS PROJECT NO.</p>	<p>CADD STDS. BOYLE</p> <p>C-140</p> <p>SHEET 42 OF 64</p>
<p>PROJECT NUMBER C65400</p> <p>DATE JOSHUA H. REYNOLDS</p> <p>APPR DATE 09/30/2009</p>	

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 DATE: 4/27/2009 2:37 PM
 DESIGNED BY: JRR
 CHECKED BY: JPF
 APPROVED BY: JRR
 PROJECT NO.: 80061295.0001
 SHEET NO.: C-151
 OF SHEETS: 43



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

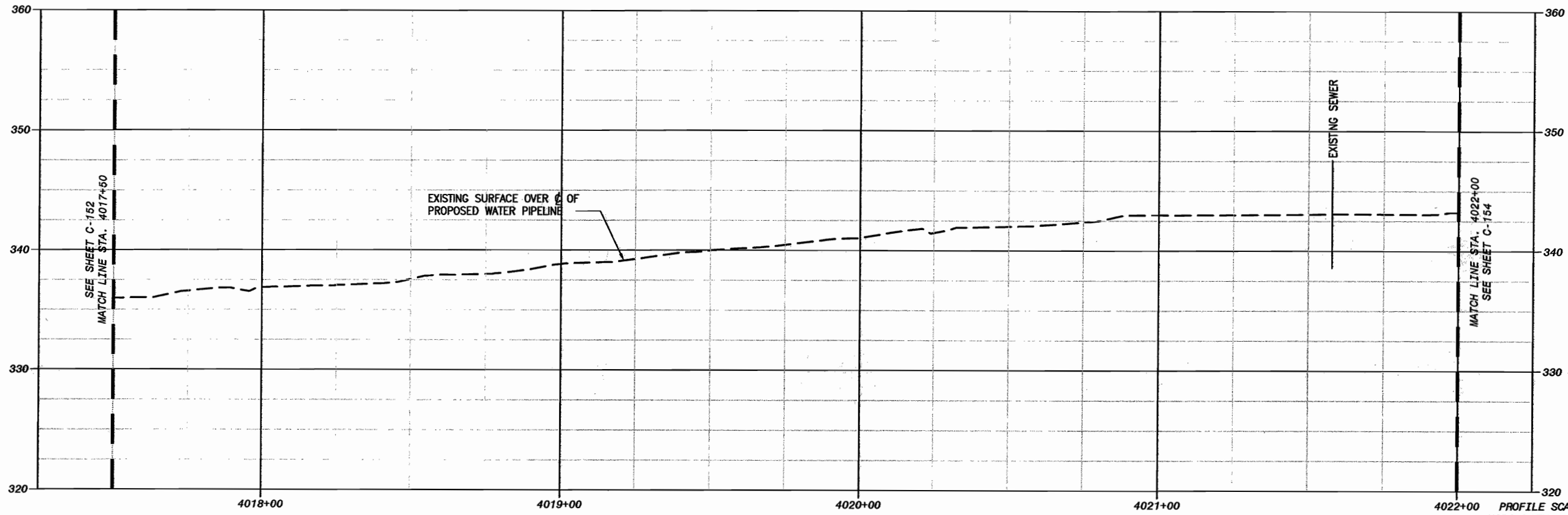


AECOM WATER
FOR PRELIMINARY USE ONLY
 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

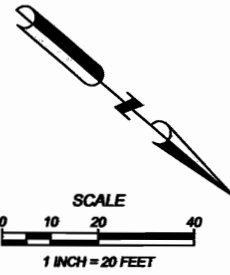
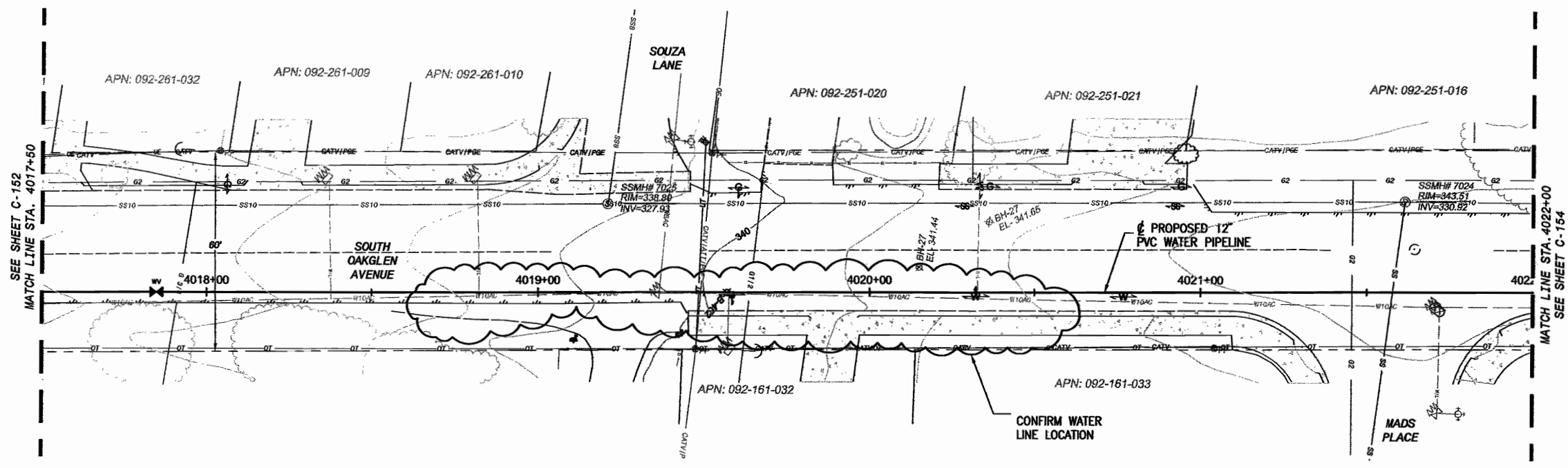
IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

AECOM	
AECOM USA, Inc. 11400 Wilshire Blvd, Suite 300 Los Angeles, CA 90025 T 805.542.8840 F 805.542.8980 www.aecom.com	
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP2 SOUTH OAKGLEN AVENUE PLAN AND PROFILE STA 4008+50 TO 4013+00	
DESIGNED: JRR	DATE: MARCH 2009
DETAILED: JPF	AECOM PROJECT NO. 80061295.0001
CHECKED:	NCSD PROJECT NO.
APPROVED:	CADD STDS. BOYLE
C-151 SHEET 43 OF 64	

DWG: W:\Nipomo_CSD_1998\1998\Waterline\Nipomo_CSD\Nipomo_CSD\Nipomo_CSD.dwg
 XREFS: NCSO-BD_BP2 - AutoCAD
 DATE: 4/27/2009 2:39 PM
 PLOTTED BY: FRIEDLICH, JIM
 PLOT DATE: 4/27/2009 2:39 PM



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



AECOM WATER
FOR PRELIMINARY USE ONLY
 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

REV	DATE	DESCRIPTION	APP'D
1		PROJECT ENGINEER	JOSHUA H. REYNOLDS
2		REG NUMBER	C65400
3		EXP DATE	08/30/2009

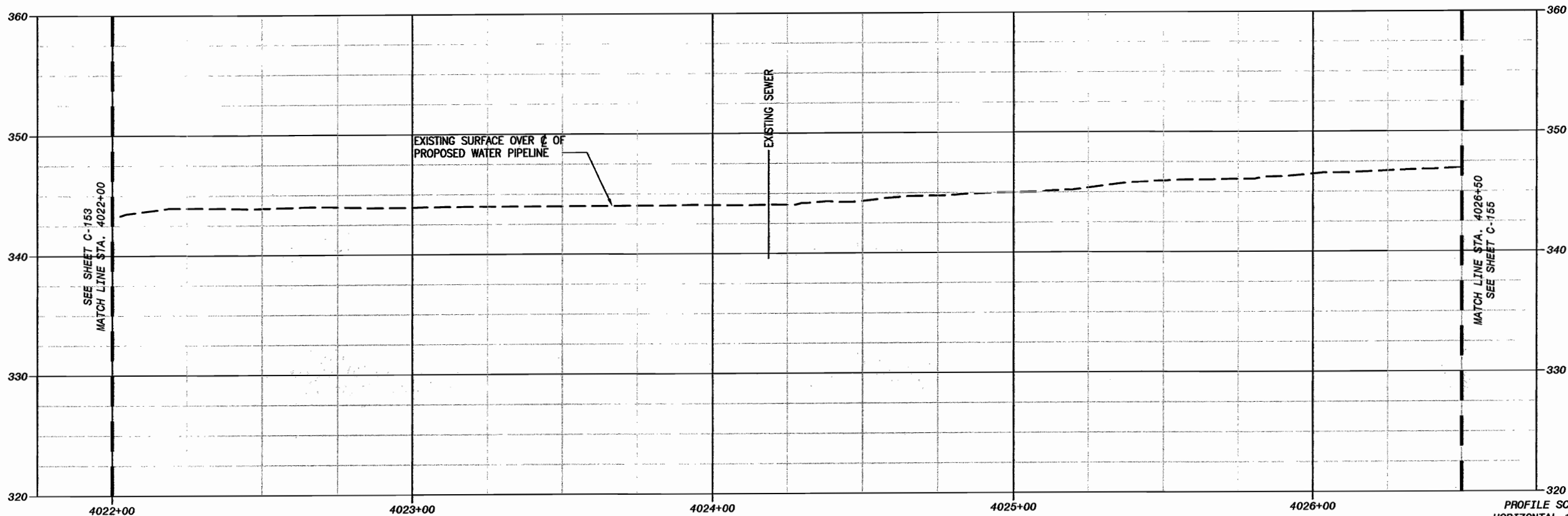
AECOM
 AECOM USA, Inc.
 1154 Pico Blvd, Suite 204
 San Luis Obispo, California 93401
 T 805.542.3840 F 805.542.3890
 www.aecom.com

NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERTIE PROJECT - BP2
SOUTH OAKGLEN AVENUE
PLAN AND PROFILE
STA 4017+50 TO 4022+00

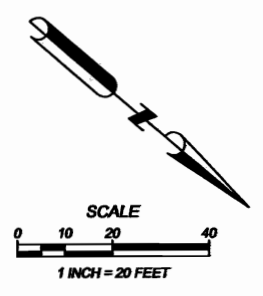
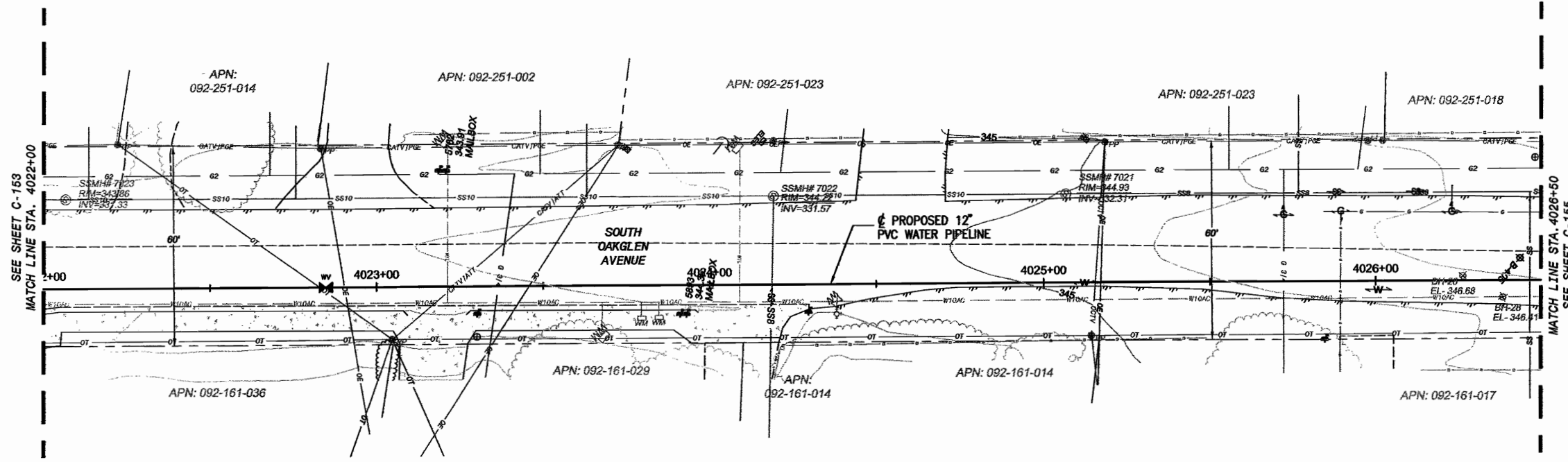
DESIGNED: JFR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 00061295.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-153
 SHEET
 45 OF 64

DWG: W:\Nipomo_CSD (19996)\19996.70 Waterline Interline Project Design\Plan\CAD\Plan\BP-2_NIPOMO_PIPELINE\303_Plan\151 to C-155.dwg Layout Name: C-154 - Plotted by: Fraulicher, Jim Date: 4/27/2009 - 2:39 PM
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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

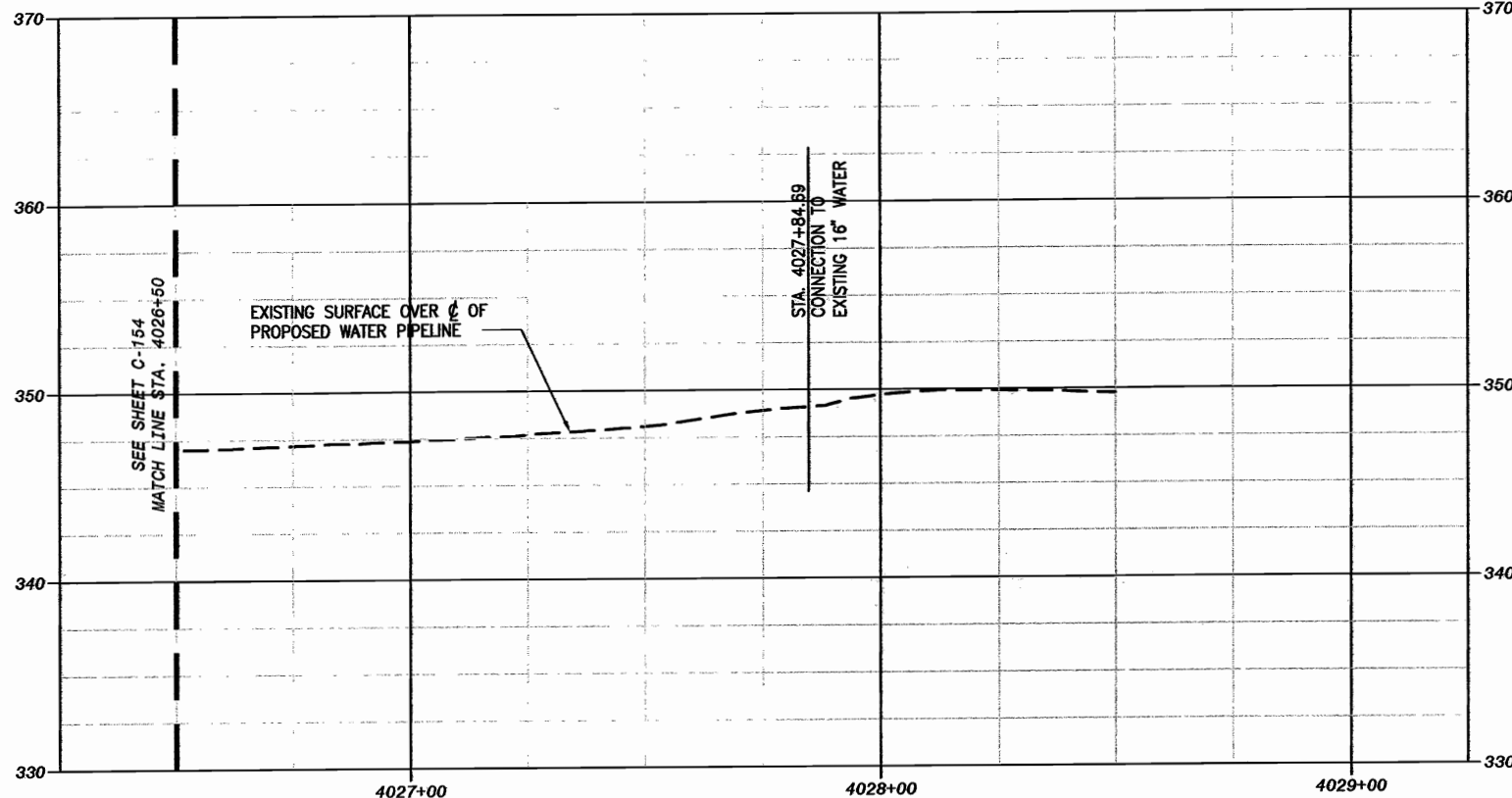


AECOM WATER
FOR PRELIMINARY USE ONLY
 NOT TO BE USED FOR CONSTRUCTION
 DATE: MARCH 31, 2009

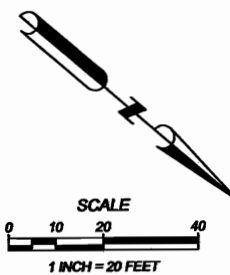
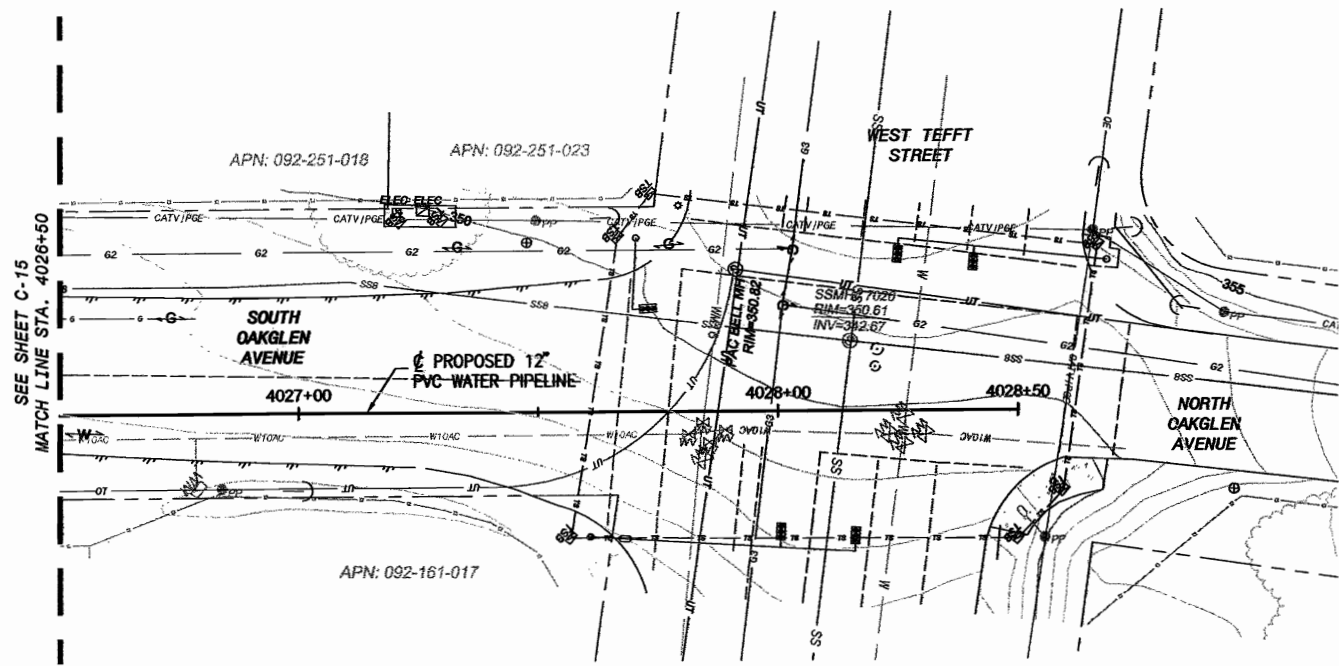
IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

	AECOM USA, Inc. 1194 Pacific Street, Suite 204 San Luis Obispo, California 93401 T 805.542.3846 F 805.542.3980 www.aecom.com
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP2	
SOUTH OAKGLEN AVENUE PLAN AND PROFILE STA 4022+00 to 4026+50	
DESIGNED: JPH DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 80061295.0001 NCSD PROJECT NO.	PROJECT NUMBER 0925400 PROJECT ENGINEER JOSHUA H. RETNOLDS APPR DATE 09/30/2009
CADD STDS. BOYLE	C-154 SHEET 46 OF 64

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 XREFS: WQVAD PRELIMS - Source=Waterline-1.dwg - Source=Waterline-2.dwg - Source=Waterline-3.dwg - Source=Waterline-4.dwg



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



REV	DATE	DESCRIPTION	APP'D
1	03/31/2009	PROJECT MANAGER	JOSHUA H REYNOLDS
2	09/30/2009	REV NUMBER	008400

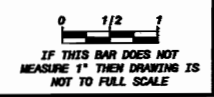
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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERTIE PROJECT - BP2
 SOUTH OAKGLEN AVENUE
 PLAN AND PROFILE
 STA 4026+50 TO 4029+00**

DESIGNED: JBR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 60081296.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-155
 SHEET
 47 OF 64

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 DATE: MARCH 31, 2009

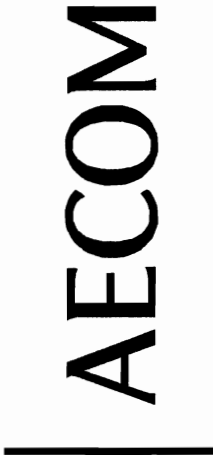


NIPOMO COMMUNITY SERVICES DISTRICT

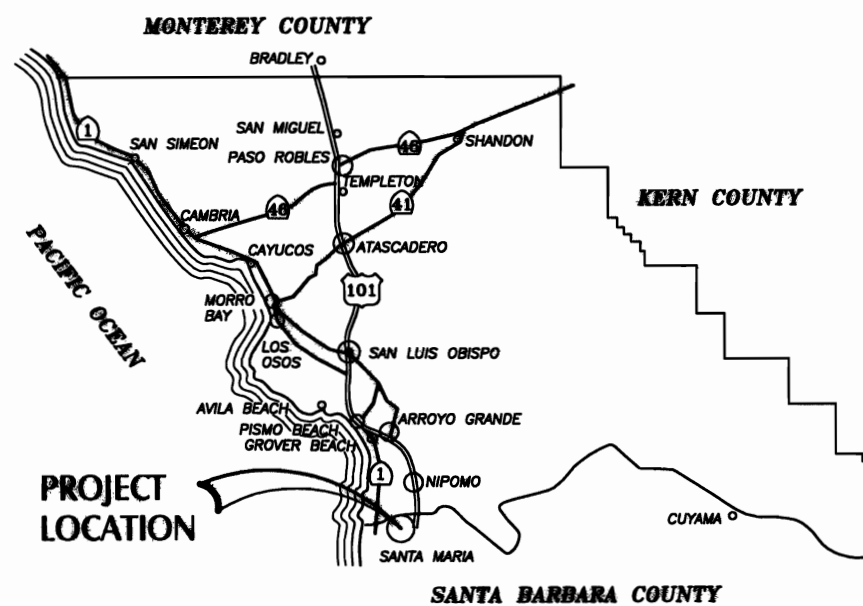


Construction Plans for WATERLINE INTERTIE PROJECT Bid Package 3

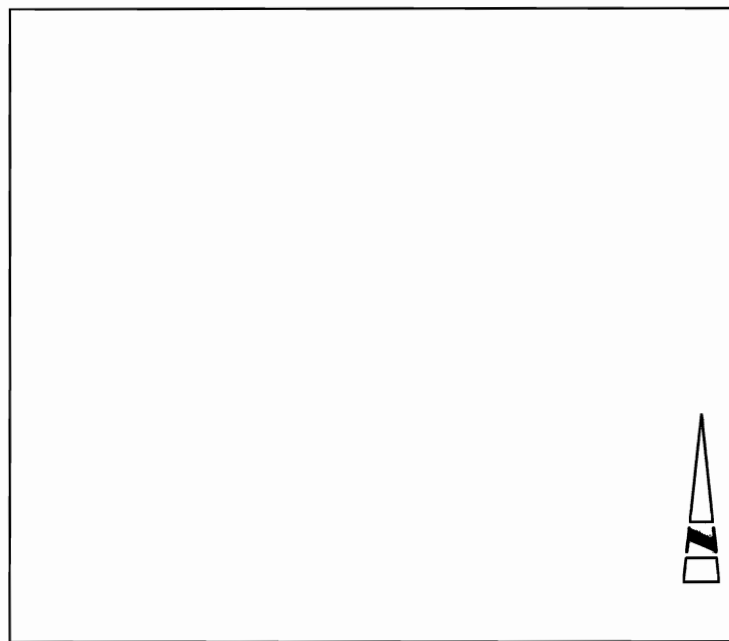
Blosser Road Water Main and Flow Meter March 2009



PWS: \\Nipomo_CSD\1986870\Waterline Intertie Project Design\Drawings\Plan\Drawings\BP-3_BLOSSER ROAD\Drawings\C-001.dwg Layout Name: C-001 - Plotted by: Frenchie, jm Date: 4/21/2009 - 2:01 PM
 PLOT: \\Nipomo_CSD\1986870\Waterline Intertie Project Design\Drawings\Plan\Drawings\BP-3_BLOSSER ROAD\Drawings\C-001.dwg



VICINITY MAP



LOCATION MAP

SHT. NO.	DWG. NO.	SHEET TITLE
1	G-001	TITLE SHEET
2	G-002	SHEET INDEX, LEGEND, ABBREVIATION & GENERAL NOTES
3	C-101	PLAN & PROFILE - STA. 1+00 TO 5+00
4	C-102	PLAN & PROFILE - STA. 5+00 TO 9+50
5	C-103	PLAN & PROFILE - STA. 9+50 TO 14+00
6	C-104	PLAN & PROFILE - STA. 14+00 TO 18+50
7	C-105	PLAN & PROFILE - STA. 18+50 TO 23+00
8	C-106	PLAN & PROFILE - STA. 23+00 TO 27+50
9	C-107	PLAN & PROFILE - STA. 27+50 TO 32+00
10	C-108	PLAN & PROFILE - STA. 32+00 TO 36+50
11	C-109	PLAN & PROFILE - STA. 36+50 TO 41+00
12	C-110	PLAN & PROFILE - STA. 41+00 TO 45+50
13	C-111	PLAN & PROFILE - STA. 45+50 TO 50+00
14	C-112	LEVEE CROSSING PLAN AND PROFILE-STA. 50+00 TO 54+50
15	C-113	LEVEE CROSSING PLAN AND PROFILE-STA. 54+50 TO 57+00
16	C-114	LEVEE CROSSING PLAN AND PROFILE-STA. 57+00 TO 62+00
17	C-401	METERING STATION PLAN & SECTIONS
18	C-501	BLOSSER ROAD PIPELINE DETAILS - 1
19	C-502	BLOSSER ROAD PIPELINE DETAILS - 2
20	C-503	LEVEE CROSSING BORE & JACK DETAILS
21	E-101	ELECTRICAL SINGLE LINE DIAGRAM & NOTES
22	E-102	ELECTRICAL PLAN AND DETAILS
23	E-501	ELECTRICAL DETAILS

Sheet Index

PROJECT	WATERLINE INTERTIE PROJECT
CLIENT	NIPOMO COMMUNITY SERVICES DISTRICT
APPROVED BY:	
DATE:	

PROJECT MANAGER	DATE
MICHAEL NUNLEY, PE	2/2009
DESIGNER	DATE
JOSHUA REYNOLDS, PE	2/2009

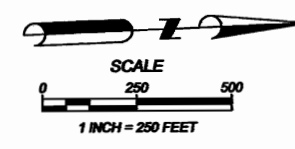
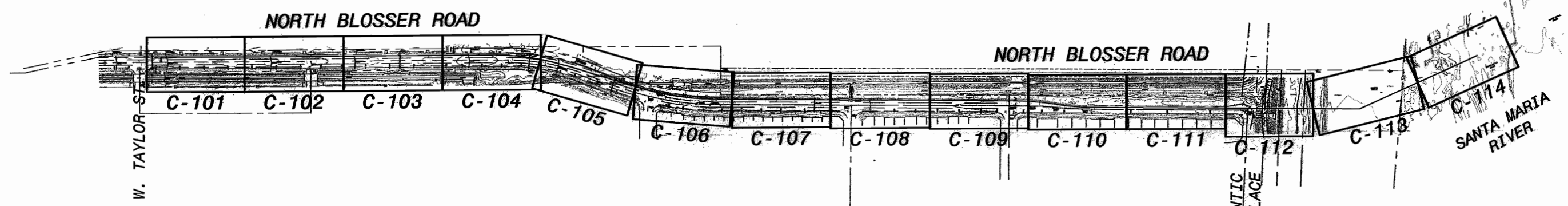
SHEET NUMBER	1	23
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****PRELIMINARY PLANS FOR ALIGNMENT REVIEW - NOT FOR CONSTRUCTION**

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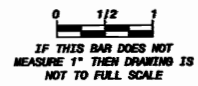
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 XREFS: NCSO-BD-BP3 - Wellbase - Wellbase.dwg - Santa Maria Waterline-1.dwg - Santa Maria Waterline-2.dwg - Santa Maria Waterline-3.dwg



SHEET INDEX
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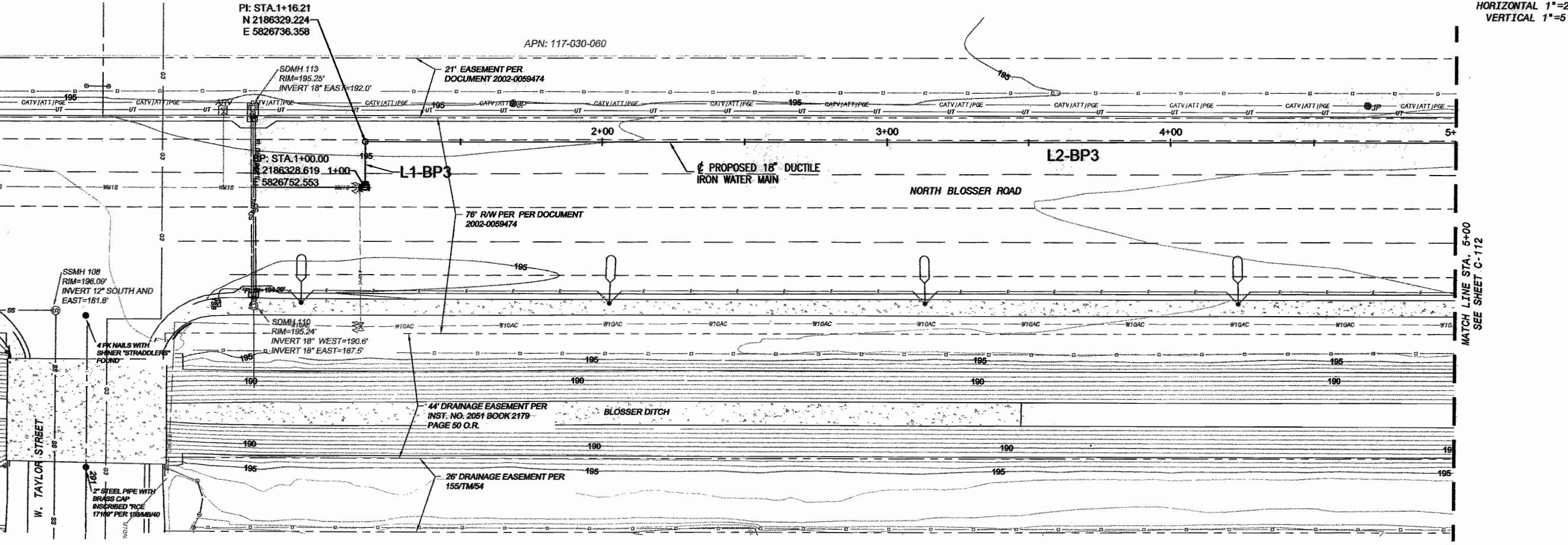
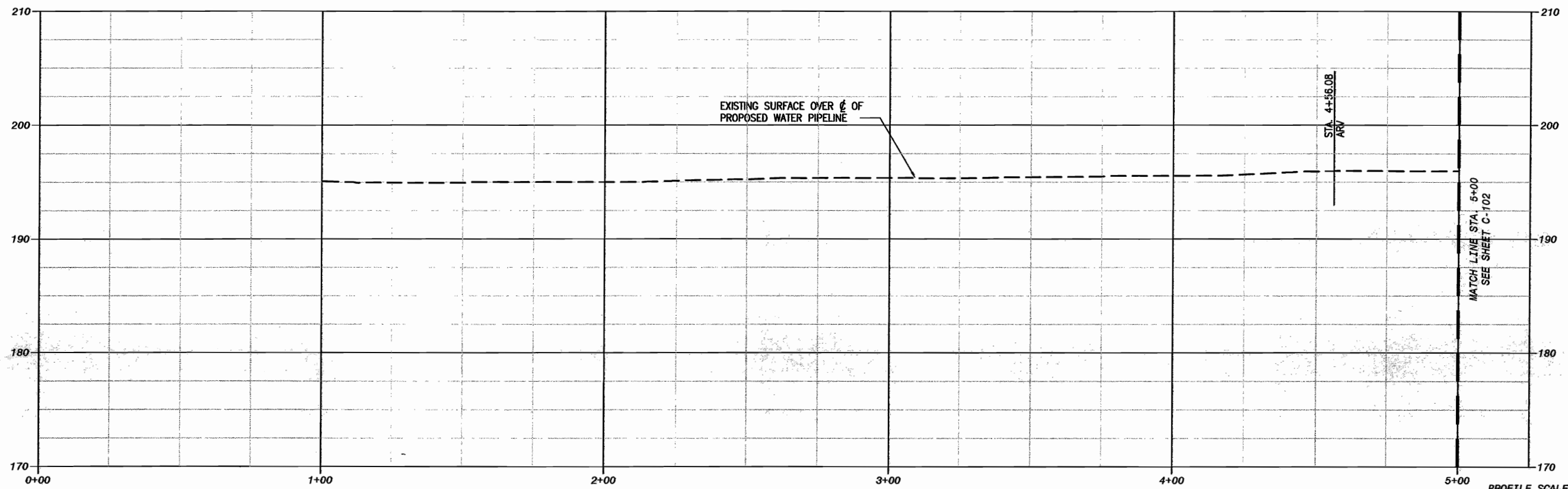
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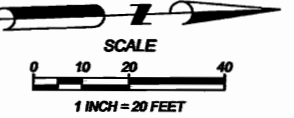
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP3	
GENERAL NOTES	
DESIGNED: ES DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 80061295.0001 NCSO PROJECT NO.	APPR DESCRIPTION REF NUMBER C85400 DATE 09-30-2009 PROJECT ENGINEER JOSHUA H. REYNOLDS
CADD STDS. BOYLE G-002 SHEET 2 OF 22	

DWG: WA:Watershed_CSD (19888) (19888) 20 Blosser Intertie Project Design (Plan) C-101 to C-111.dwg Layout Name: C-101 Plotted by: Freilicher, Jim Date: 4/21/2009 - 2:02 PM
 XREFS: NSD-BD_BP3 - sign points - Miscellaneous - Ex-Utilities - Service Streets



Line Table: Blosser Road

Line #	Length	Direction
L1-BP3	16.21'	N87° 51' 33.20"W
L2-BP3	1506.93'	N2° 07' 21.93"E



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REV	DATE	DESCRIPTION	BY	DATE
1			JOSHUA H. REYNOLDS	09/30/2009

PROJECT NUMBER: C66400

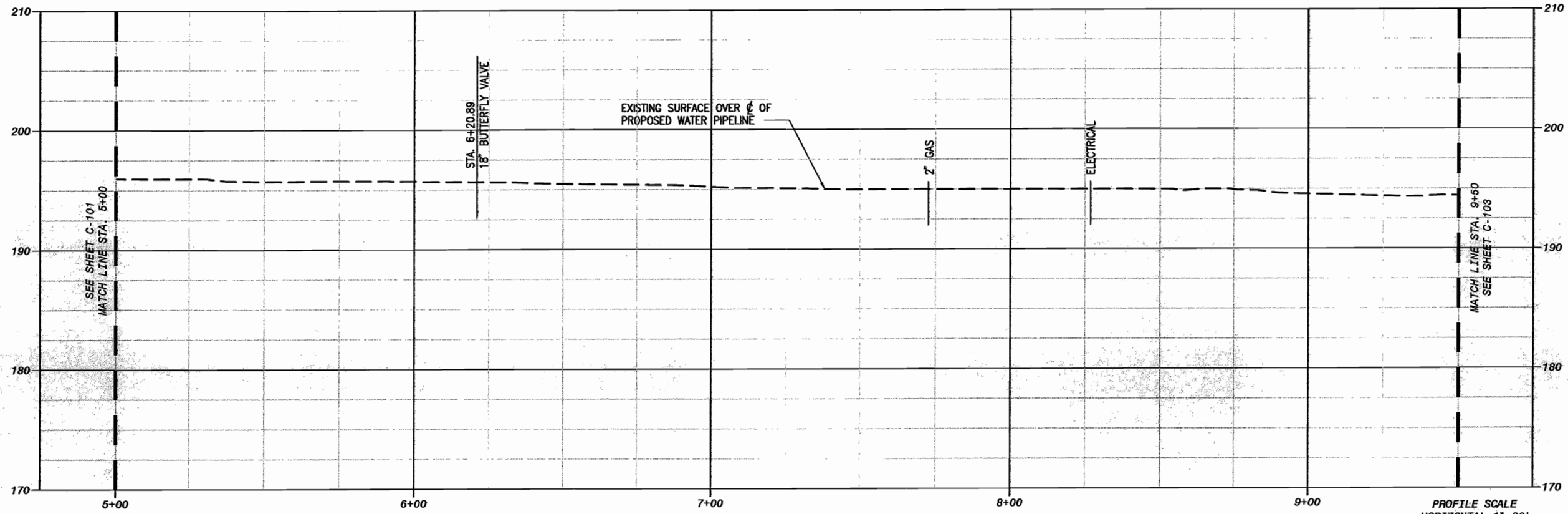
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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERTIE PROJECT - BP3**

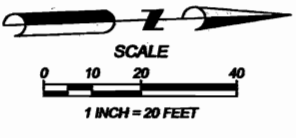
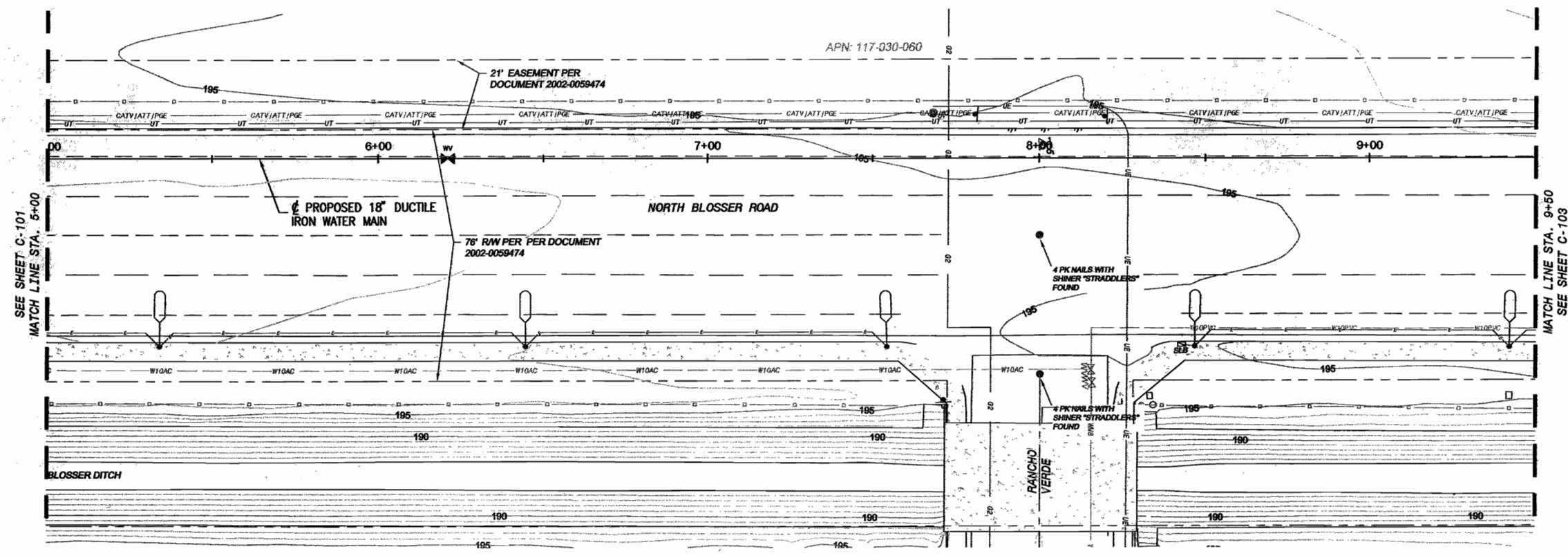
PLAN AND PROFILE
 STA. 1+00 to STA. 5+00

DESIGNED: ES
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO. 00081295.0001
 NCSJ PROJECT NO.
 CADD STDS. BOYLE
C-101
 SHEET 3 OF 22

PWS: W:\Nipomo_CSD_(1999)\1999_70_Waterline_Infertile_Project_Design_Plan\CAD\Planets\C-101 to C-111.dwg Layout Name: C-102 - Plotted by: Freichter, Jim Date: 4/21/2009 - 2:03 PM
 XREFS: NCSB-85LBP3 - large points - Intersections - EX-Utilities - Surface-Section - MDCS: Nipomo_850.dwg - Santa Maria Waterline-2.dwg



PROFILE SCALE
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 VERTICAL 1"=5'



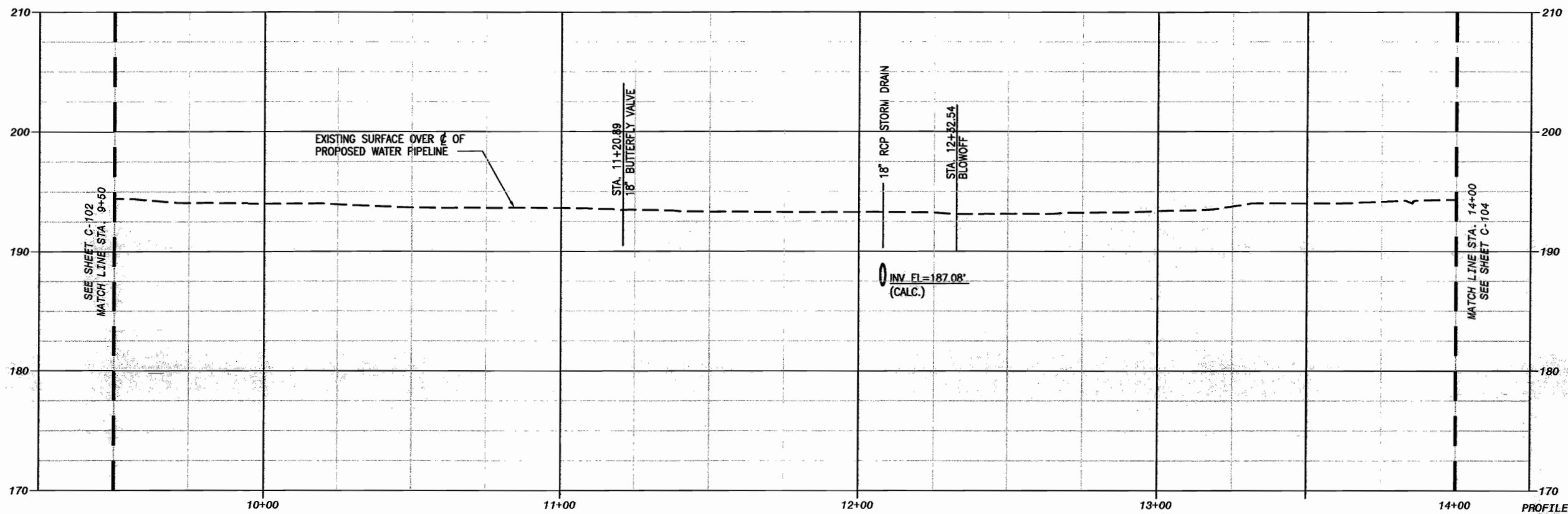
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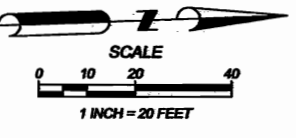
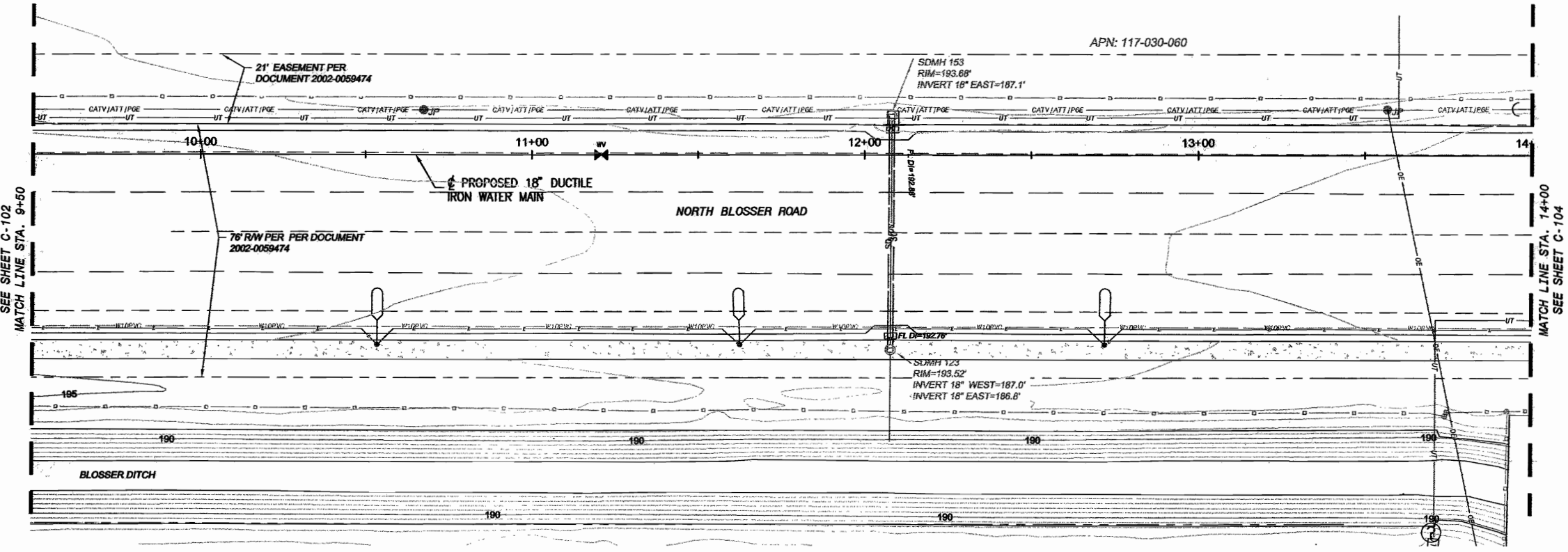
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NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERTIE PROJECT - BP3 PLAN AND PROFILE STA. 5+00 to STA. 9+50	
DESIGNED: ES DETAILER: JFF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 00081295.0001 NCSO PROJECT NO.	CADD STDS. BOYLE C-102 SHEET 4 OF 22
PROJECT ENGINEER JOSHUA H. REYNOLDS CSIS-400	APPR EXP DATE 09/30/2009

DWG: W:\Nipomo_CSD (1999)\1999\70 Waterline Interline Project Design Plans\BP-3_BLOSSER ROAD\BP-3_C-101 to C-111.dwg
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MAGES: Nipomo_Spec - Santa Maria Waterline - Santa Maria Waterline - 2.5d
Date: 4/21/2009 - 2:04 PM
Plotted by: Freilicher, Jim



PROFILE SCALE
HORIZONTAL 1"=20'
VERTICAL 1"=5'



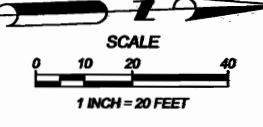
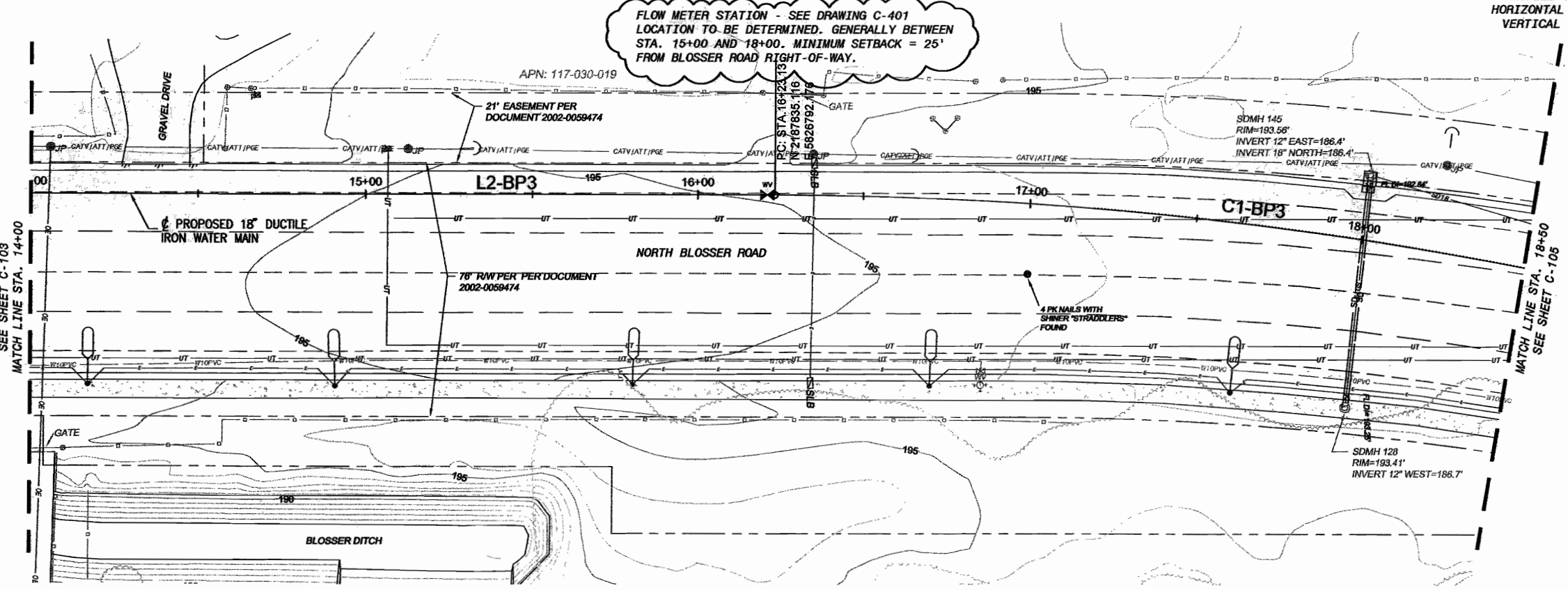
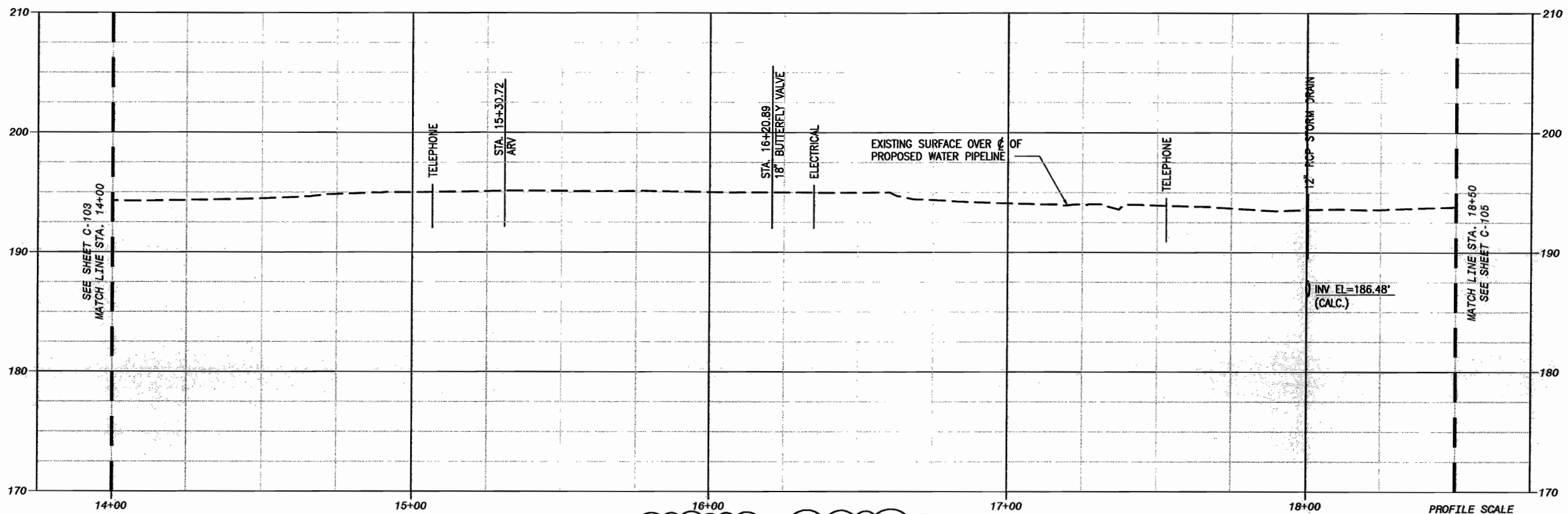
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DATE: MARCH 31, 2009

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PROJECT ENGINEER: JOSHUA H. REYNOLDS	
DATE: 03/30/2009	APP'D: 03/30/2009
DESCRIPTION: NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP3	DESCRIPTION: NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP3
PLAN AND PROFILE STA. 9+50 TO STA. 14+00	
DESIGNED: ES	DATE: MARCH 2009
DETAILED: JPF	AECOM PROJECT NO. 00061285.0001
CHECKED:	NCS PROJECT NO.
APPROVED:	CADD STDS. BOYLE
C-103	
SHEET 5 OF 22	

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 XREFS: NCS0-BD-BP3 - AutoCAD
 PLOTTED BY: FRIEDLICH, JIM
 DATE: 4/21/2009 2:05 PM



Line Table: Blosser Road

Line #	Length	Direction
L2-BP3	1506.93'	N2° 07' 21.93"E

Curve Table: Blosser Road

Curve #	Radius	Length	External Tangent	Delta
C1-BP3	1193.50'	361.95'	182.38	17.376

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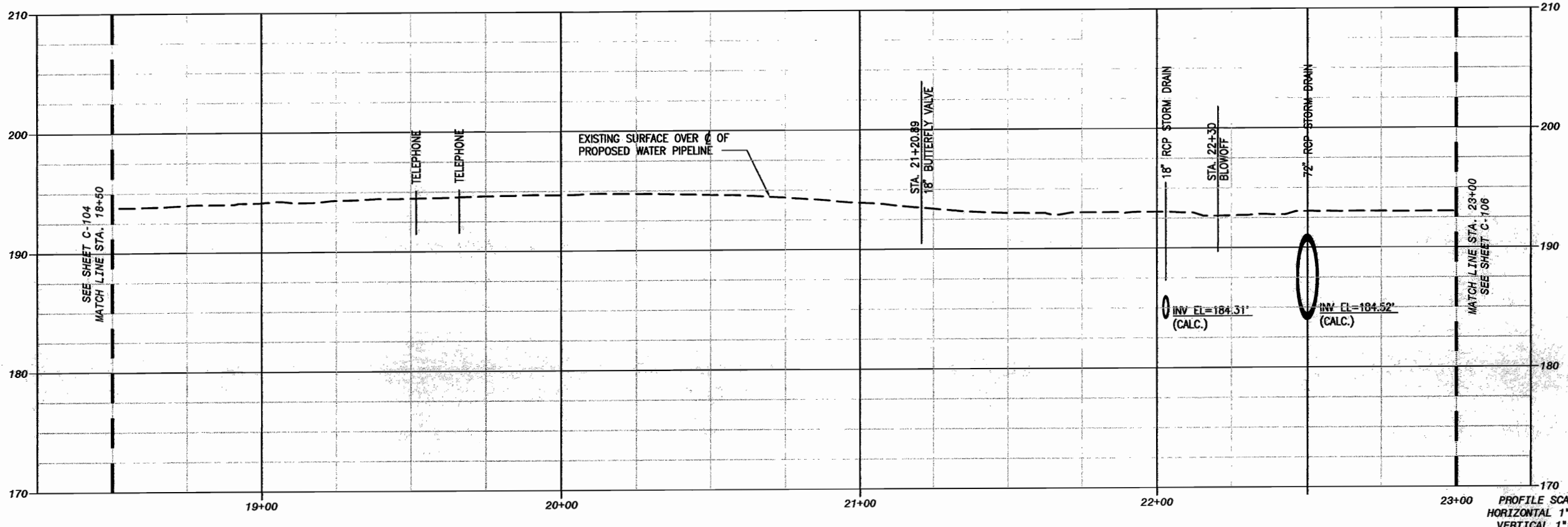
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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERLINE PROJECT - BP3
 PLAN AND PROFILE
 STA. 14+00 TO STA. 18+50**

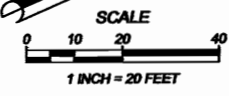
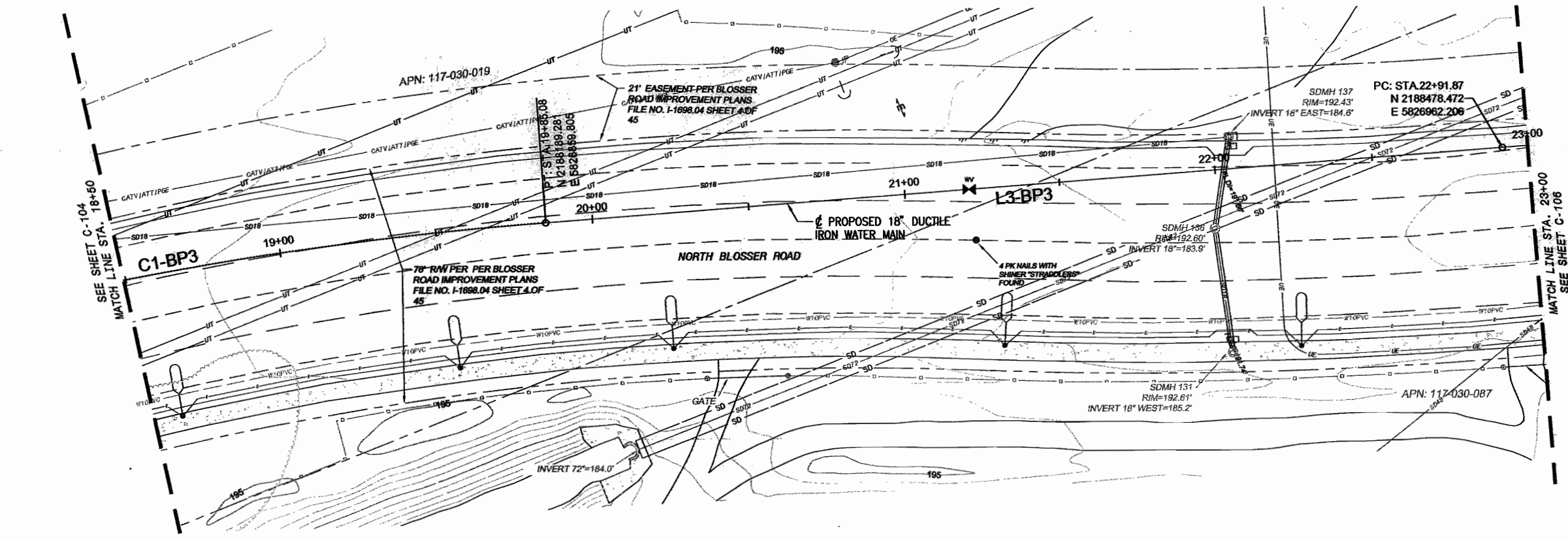
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 APPROVED:
 DATE: MARCH 2009
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 NCS0 PROJECT NO.
 CADD STDS.
 BOYLE
C-104
 SHEET
 6 OF 22

PROJECT ENGINEER: JOSHUA H. REYNOLDS
 DESCRIPTION: WATER MAIN
 SHEET NUMBER: C85400
 APPR DATE: 09/30/2009

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 Date: 4/21/2009 2:06 PM
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 Layout Name: C-105
 Scale: 1"=20'
 Plot Size: 36" x 48"



PROFILE SCALE
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 VERTICAL 1"=5'




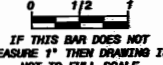
Curve Table: Blosser Road

Curve #	Radius	Length	External Tangent	Delta
C1-BP3	1193.50'	361.95'	182.38	17.376

Line Table: Blosser Road

Line #	Length	Direction
L3-BP3	306.78'	N19° 29' 55.29"E

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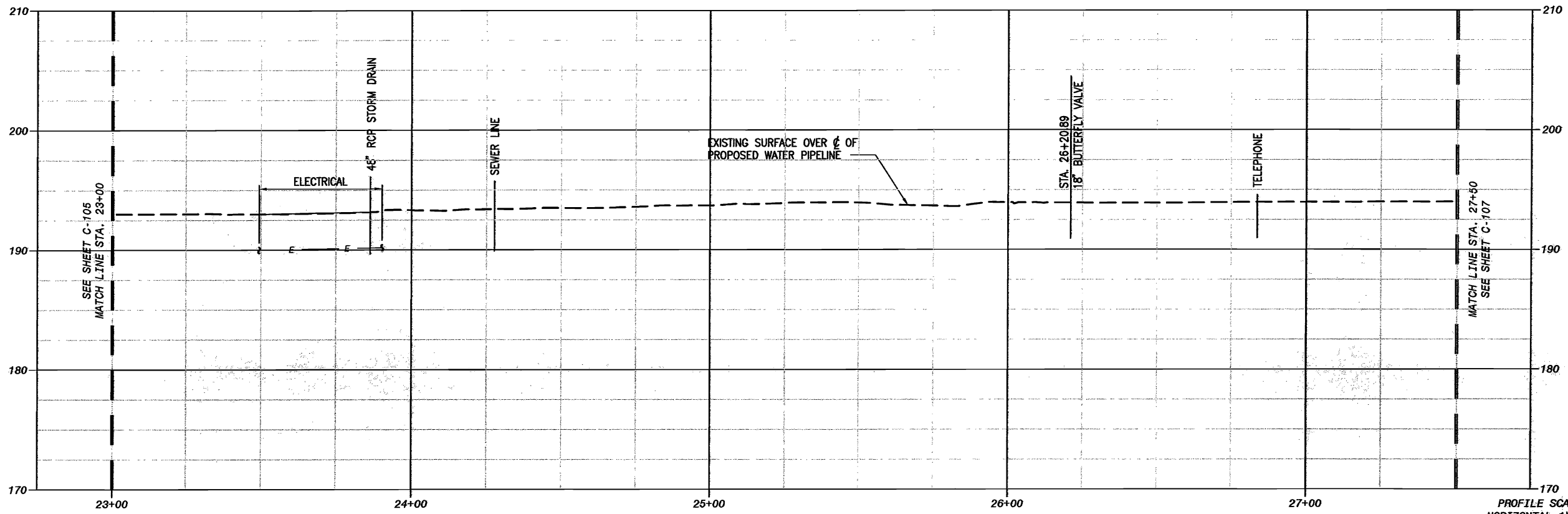

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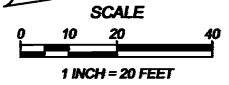
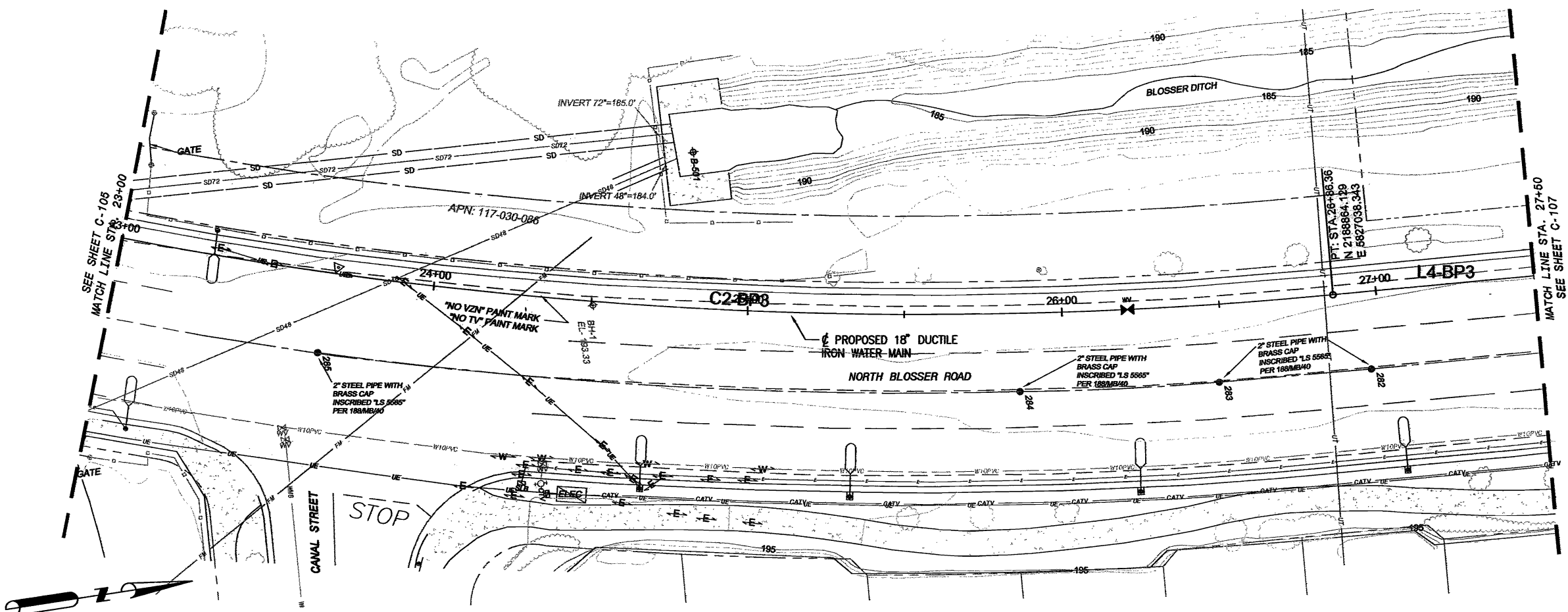
NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERLINE PROJECT - BP3
PLAN AND PROFILE
STA. 18+50 TO STA. 23+00

DESIGNED: ES	DATE: MARCH 2009
DETAILED: JPF	AECOM PROJECT NO. 00061295.0001
CHECKED:	NCSO PROJECT NO.
APPROVED:	CADD STDS. BOYLE
PROJECT ENGINEER: JOSHUA H. RETNOLDS	C-105
DESCRIPTION: WATER MAIN	SHEET 7 OF 22
PROJECT NUMBER: C95400	
DATE: 09/30/2009	

DWG: \\Nipomo\GIS\1999\70 Waterline Interline Project Design\Drawn\BP-3 Blosser Road\BP-3 Blosser Road.dwg
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 PLOTTED BY: FROEHLICH, JIM




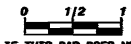
PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



Curve Table: Blosser Road				
Curve #	Radius	Length	External Tangent	Delta
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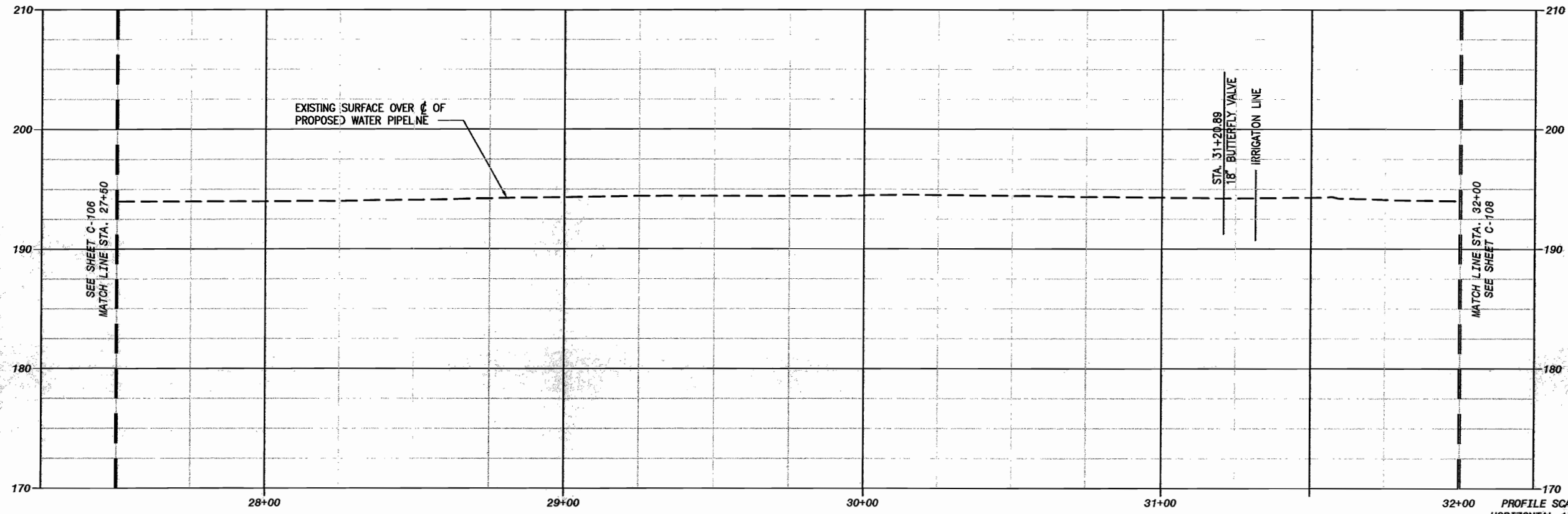
Line Table: Blosser Road		
Line #	Length	Direction
L4-BP3	1364.82'	N2° 50' 13.86"E

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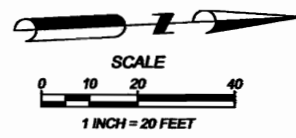
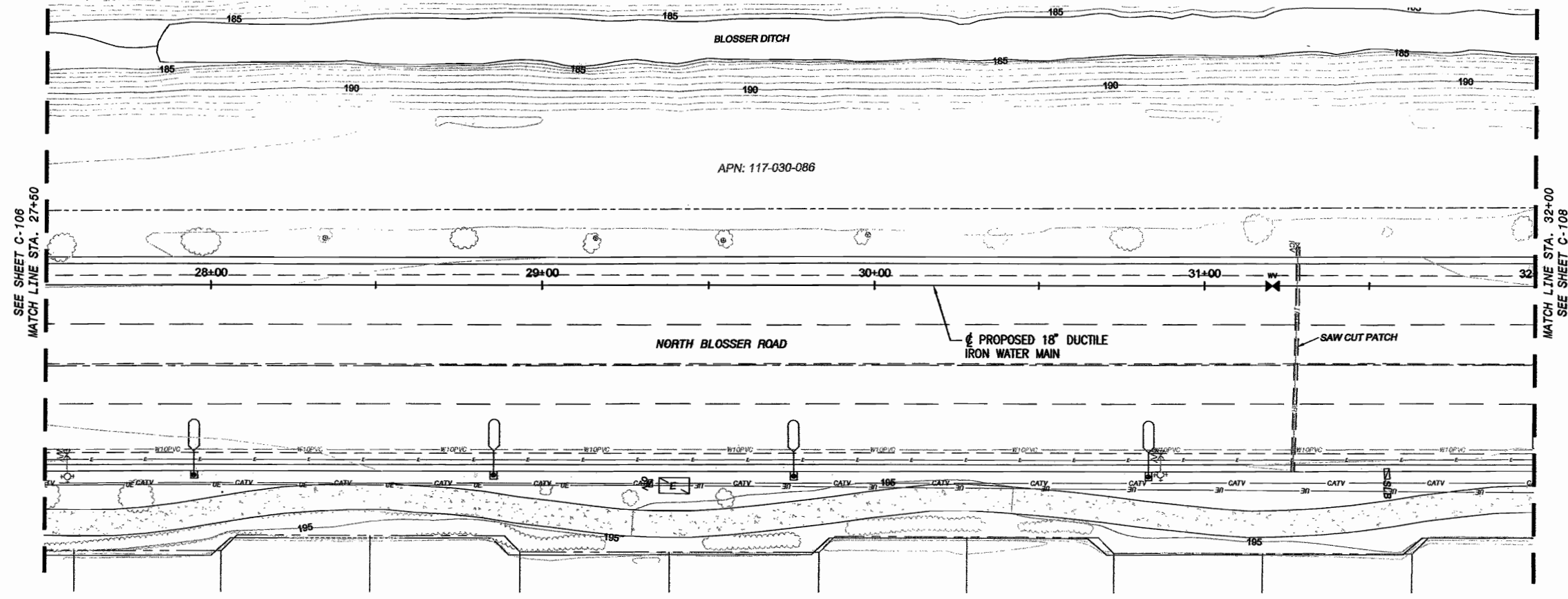

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AECOM <small>AECOM USA, Inc. 11841 Rockwell Road, Suite 204 San Jose, CA 95128 T: 908.542.8940 F: 908.542.8990 www.aecom.com</small>	NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP3 PLAN AND PROFILE STA. 23+00 TO STA. 27+50	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">DESIGNED: ES</td> </tr> <tr> <td style="font-size: 8px;">DETAILED: JPF</td> </tr> <tr> <td style="font-size: 8px;">CHECKED:</td> </tr> <tr> <td style="font-size: 8px;">APPROVED:</td> </tr> <tr> <td style="font-size: 8px;">DATE: MARCH 2009</td> </tr> <tr> <td style="font-size: 8px;">AECOM PROJECT NO.: 00081295.0001</td> </tr> <tr> <td style="font-size: 8px;">NCS-D PROJECT NO.:</td> </tr> <tr> <td style="font-size: 8px;">CADD STDS. BOYLE</td> </tr> <tr> <td style="font-size: 12px; font-weight: bold;">C-106</td> </tr> <tr> <td style="font-size: 10px;">SHEET 8 OF 22</td> </tr> </table>	DESIGNED: ES	DETAILED: JPF	CHECKED:	APPROVED:	DATE: MARCH 2009	AECOM PROJECT NO.: 00081295.0001	NCS-D PROJECT NO.:	CADD STDS. BOYLE	C-106	SHEET 8 OF 22
DESIGNED: ES												
DETAILED: JPF												
CHECKED:												
APPROVED:												
DATE: MARCH 2009												
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CADD STDS. BOYLE												
C-106												
SHEET 8 OF 22												
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APPN	DESCRIPTION	REF NUMBER	DATE									
06/30/2009	C66400	JOSHUA H. REMOLDS	06/30/2009									


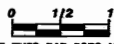
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 XREFS: NCS-DR-BP3 - Layer points - Waterlines - S-Utilities - Services - Electrical - Sanitary - Waterline - Lead - Santa Maria Waterline - 2.dwg
 Plotted by: Frosticher, Jim Date: 4/21/2009 - 2:08 PM




PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

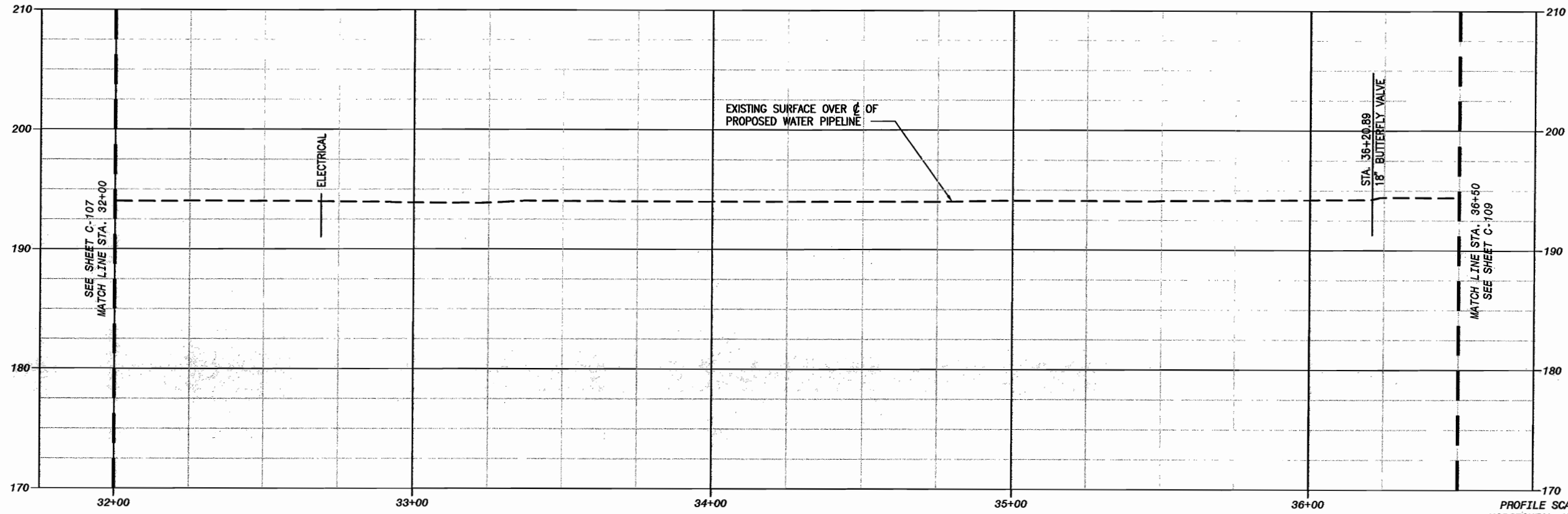


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 DATE: MARCH 31, 2009

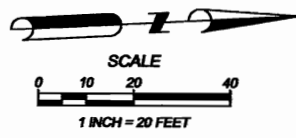
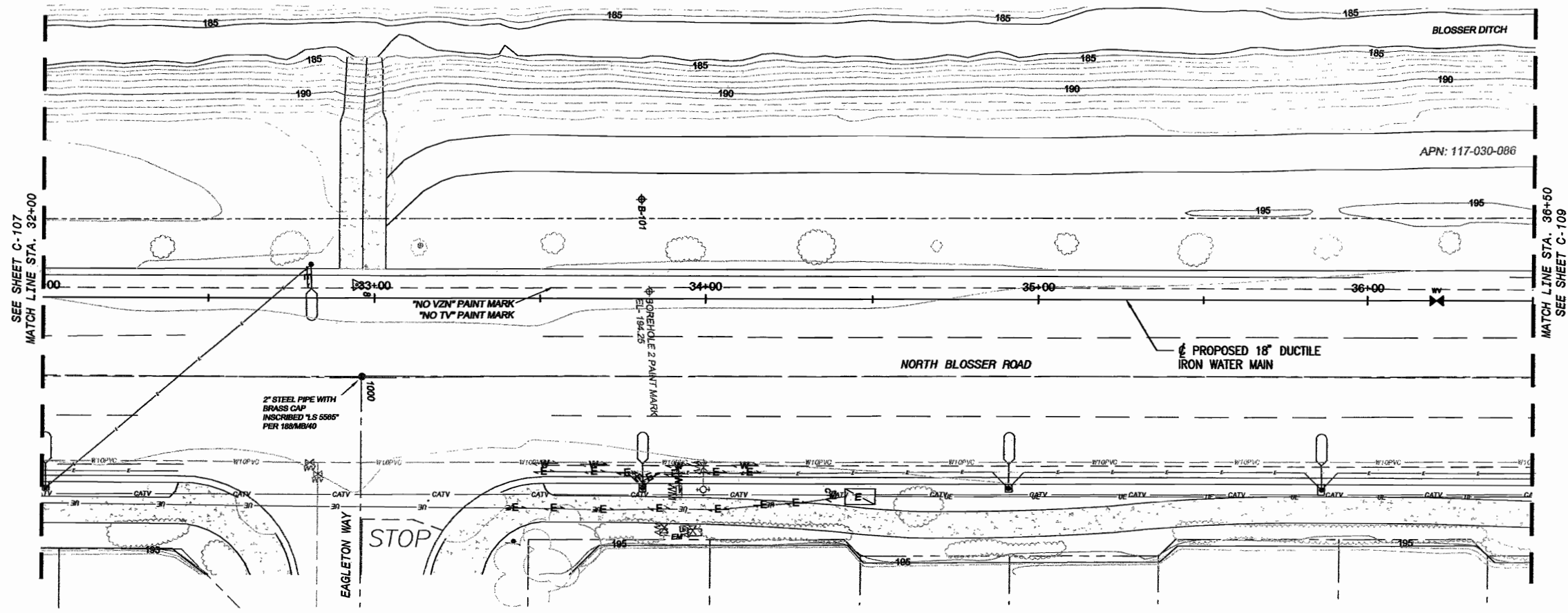

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NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP3 PLAN AND PROFILE STA. 27+50 to STA. 32+00	
DESIGNED: ES DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 00081295.0001 NCS PROJECT NO.	PROJECT ENGINEER JOSHUA H. REYNOLDS C655400 09/30/2009
CADD STDS. BOYLE C-107 SHEET 9 OF 22	



DWG: W:\Nipomo_CSD (199904) 199904_70 Waterline Intersect Project Design Plans\CSD Plans\BP-3_BLOSSER RD\BP-3_BLOSSER RD.dwg Plot Date: 4/21/2009 - 2:03 PM
 XREFS: NCS-D-BO_BP3 - Logo points - Waterline - E-Utilities - Survey - Section
 MARKS: Nipomo Logo - Solid - 3/10/09



PROFILE SCALE
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 VERTICAL 1"=5'

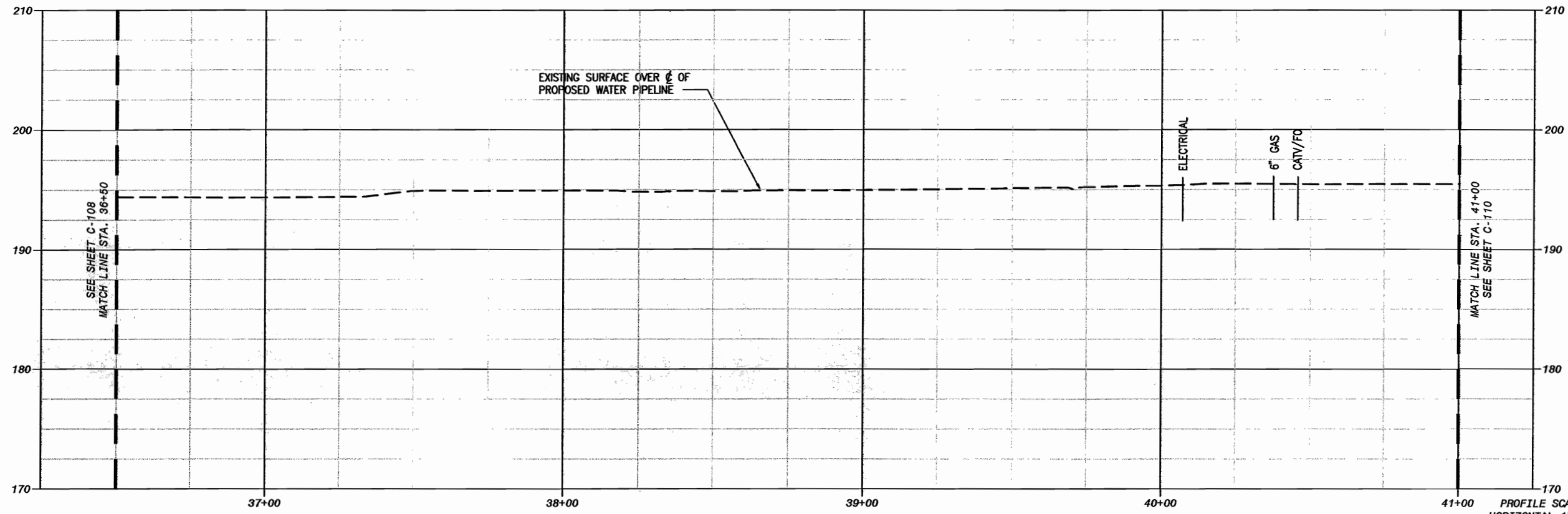


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 DATE: MARCH 31, 2009

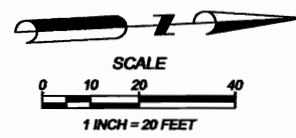
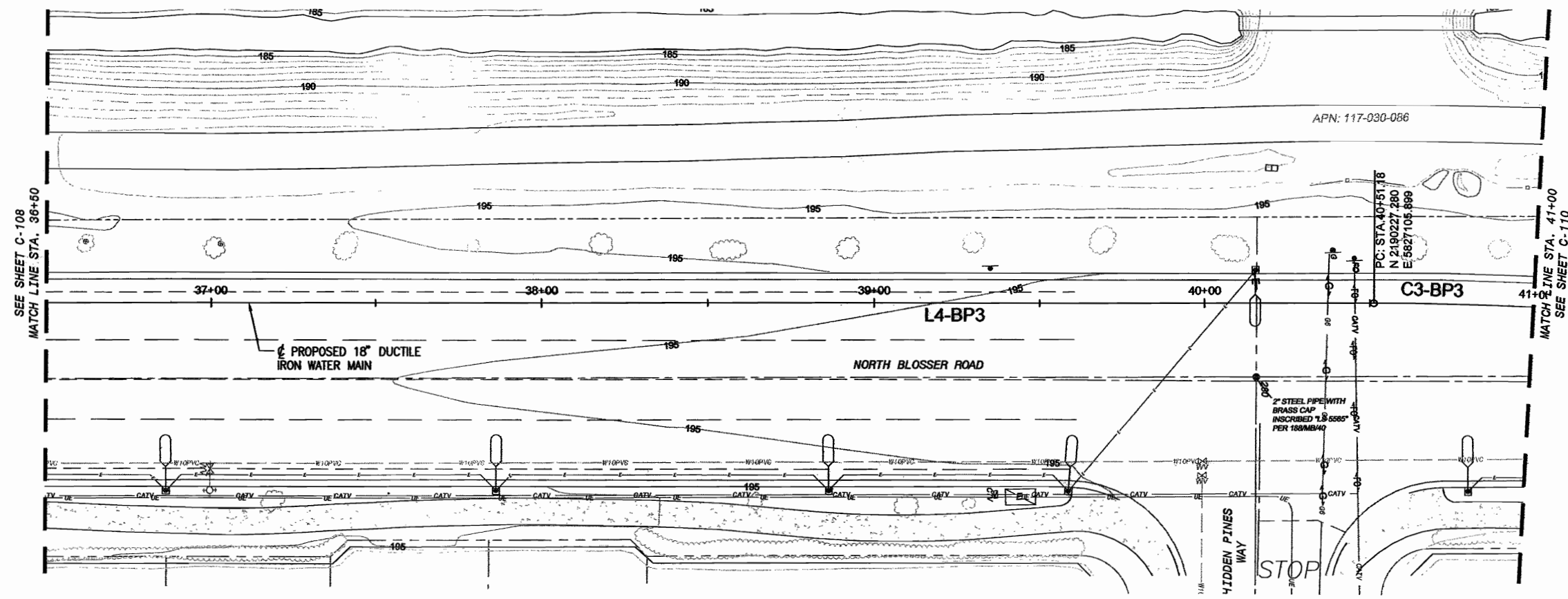

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NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERTE PROJECT - BP3 PLAN AND PROFILE STA. 32+00 to STA. 36+50																															
DESIGNED: ES DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 00081295.0001 NCS-D PROJECT NO.	CADD STDS. BOYLE C-108 SHEET 10 OF 22																														
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REV	DATE	DESCRIPTION	BY	DATE																											
1			JOSHUA H. REYNOLDS	08/30/2008																											
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DWG: \\NA\Users\CSB (19996)\19996.70 Waterline Interiors Project Design\Drawings\Plan\BP-3_BLOSSER ROAD\OR_Planet\BP-3_BLOSSER ROAD\OR_Planet\C-101 to C-111.dwg Layout Name: C-109
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 Plotted by: Freilicher, Jim Date: 4/21/2009 - 2:10 PM



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



Line Table: Blosser Road

Line #	Length	Direction
L4-BP3	1364.82'	N2° 50' 13.86"E

Curve Table: Blosser Road

Curve #	Radius	Length	External Tangent	Delta
C3-BP3	1057.07'	166.54'	83.44	9.027°

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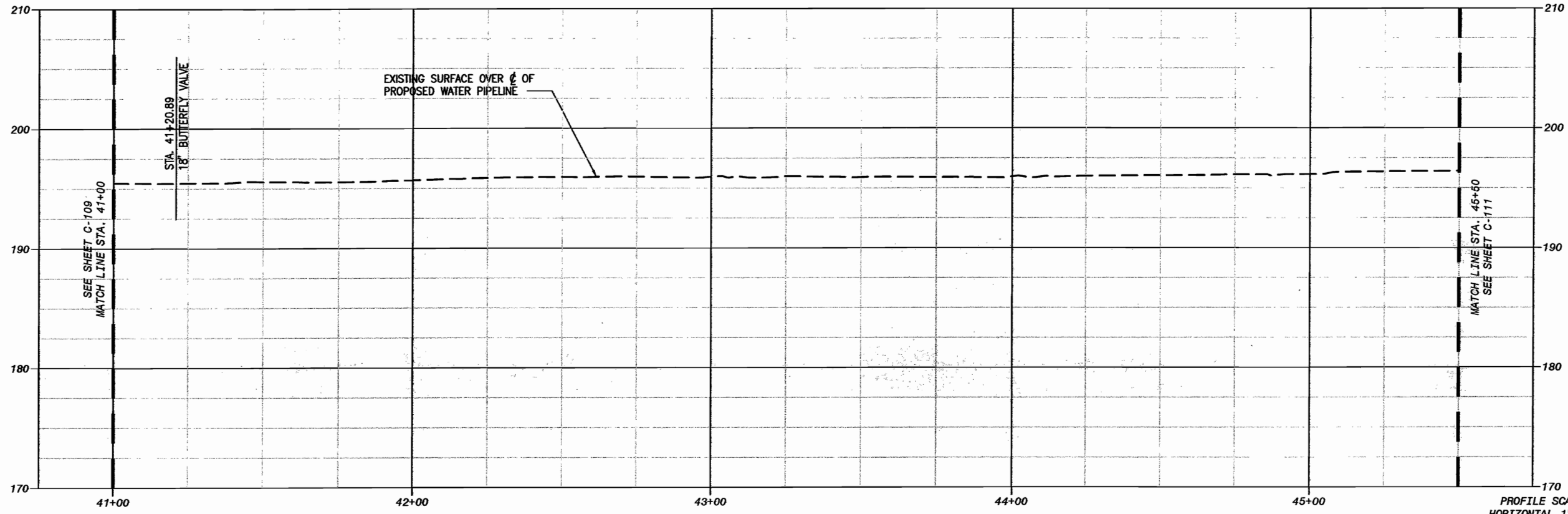
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NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERIE PROJECT - BP3
PLAN AND PROFILE
STA. 36+50 to STA. 41+00

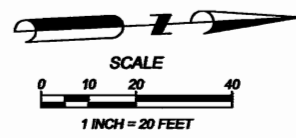
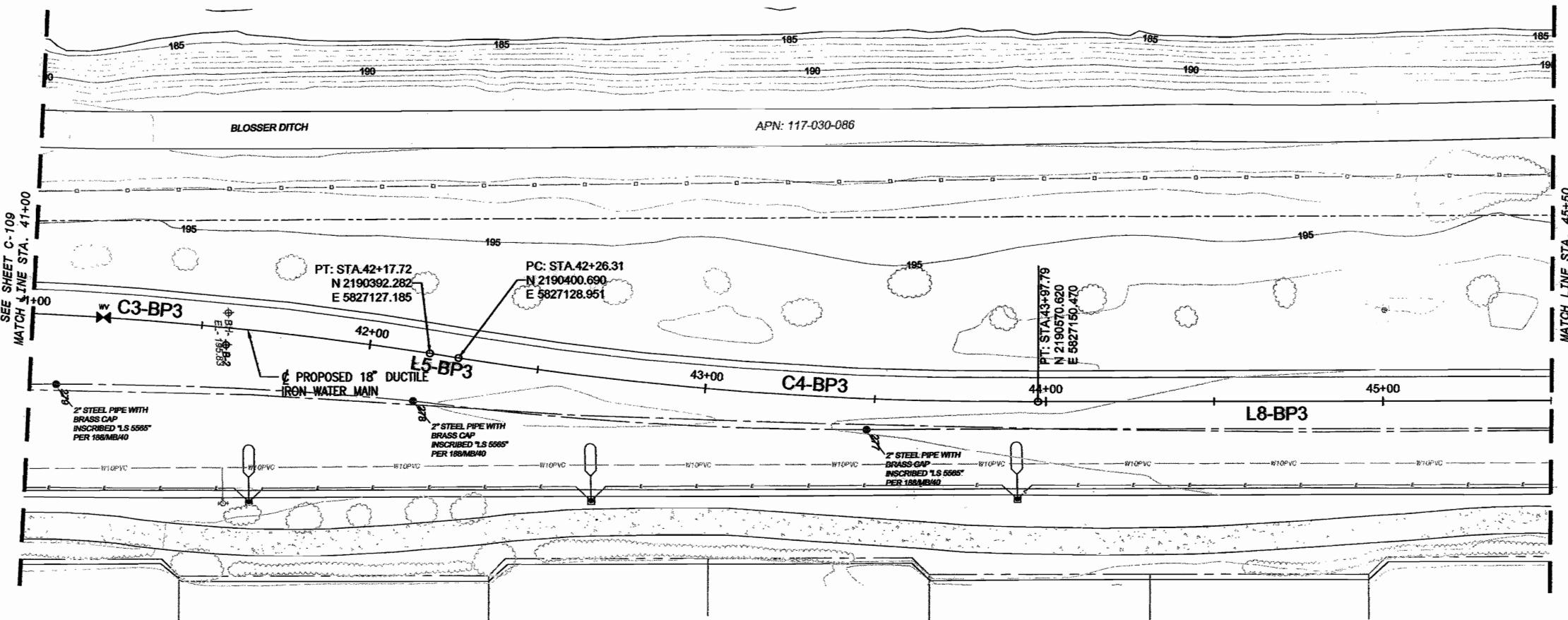
DESIGNED: ES
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.: 0001298.0001
 NSD PROJECT NO.:
 CADD STDS. BOYLE
C-109
 SHEET 11 OF 22

PROJECT NUMBER: C65400
 PROJECT ENGINEER: JOSHUA H. REYNOLDS
 DATE: APRR
 EXP. DATE: 09/30/2009

DWG: WA Waterline Intertie District - Blosser Road - C-110.dwg
 XREFS: NCS-803-BP3 - 8/19/09 - 11:08 AM - 11/11/09
 PLOTTED BY: FROELICHER, JIM DATE: 4/21/2009 2:11 PM



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



Curve Table: Blosser Road

Curve #	Radius	Length	External Tangent	Delta
C3-BP3	1057.07'	166.54'	83.44	9.027
C4-BP3	1057.07'	171.47'	85.93	9.294

Line Table: Blosser Road

Line #	Length	Direction
L5-BP3	8.59'	N11° 51' 51.06"E
L8-BP3	690.14'	N2° 44' 34.25"E

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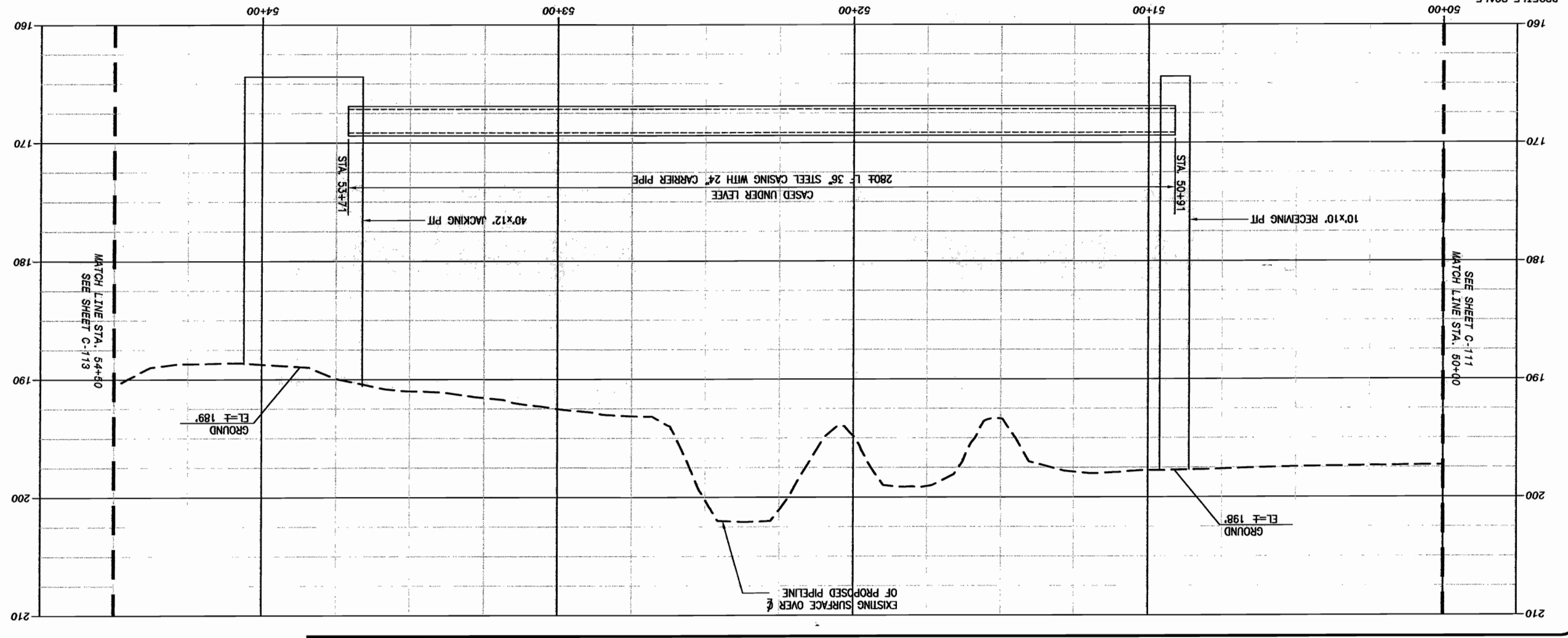
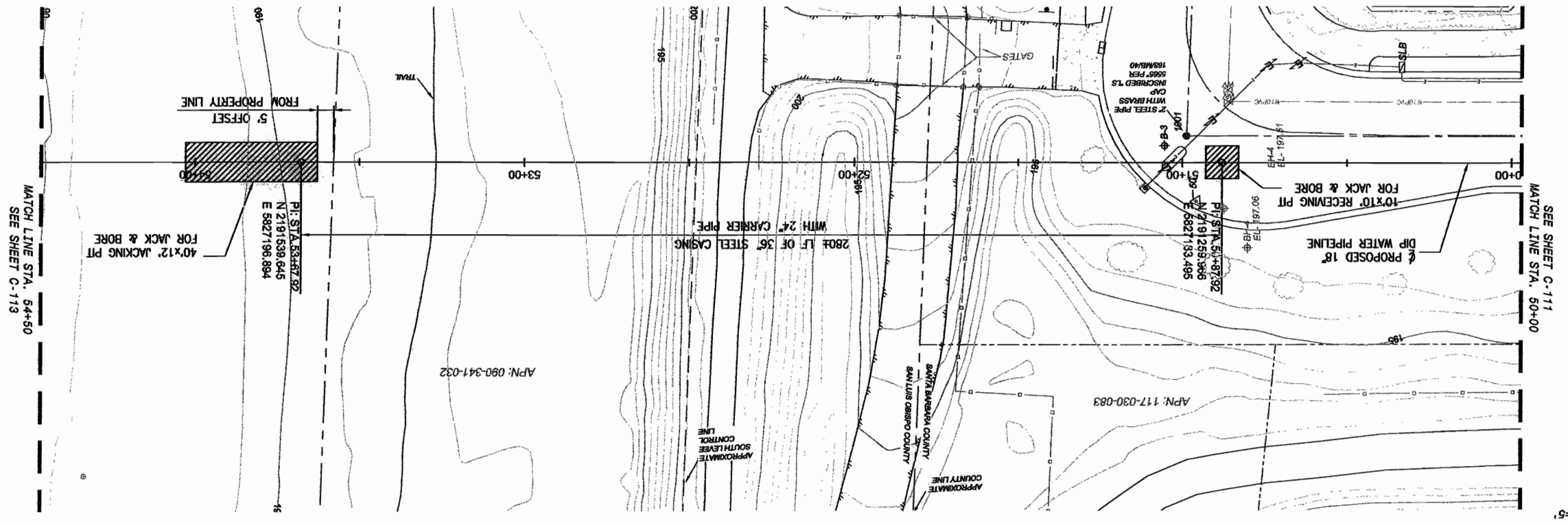
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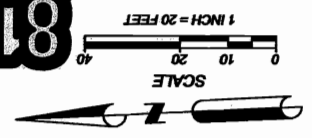
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NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERTIE PROJECT - BP3
PLAN AND PROFILE
STA. 41+00 TO STA. 45+50

DESIGNED: ES	APPX DATE: 09/30/2009
DETAILED: JPF	DESCRIPTION REF NUMBER: C85400
CHECKED:	PROJECT ENGINEER: JOSHUA H. REYNOLDS
APPROVED:	DATE: 03/31/09
DATE: MARCH 2009	
AECOM PROJECT NO. 00061295.0001	
NCSO PROJECT NO.	
CADD STDS. BOYLE	
C-110	
SHEET	
12 OF 22	



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SHEET C-112
 14 OF 22
 DATE: MARCH 2009
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 NCSD PROJECT NO.

NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERTIE PROJECT - BP3
 LEVEE BORE AND JACK
 PLAN AND PROFILE
 STA. 50+00 TO 54+50

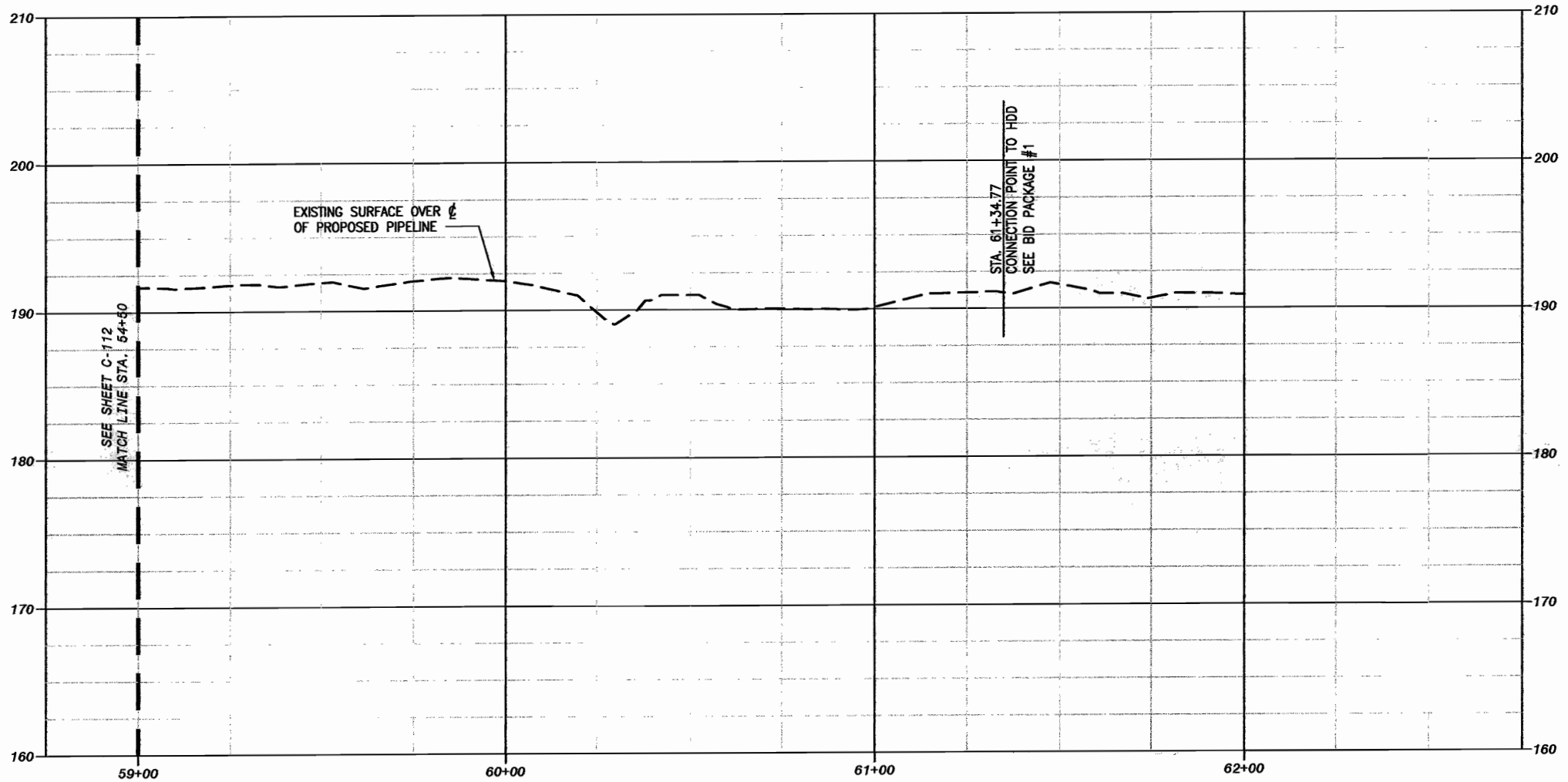


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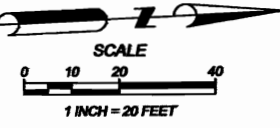
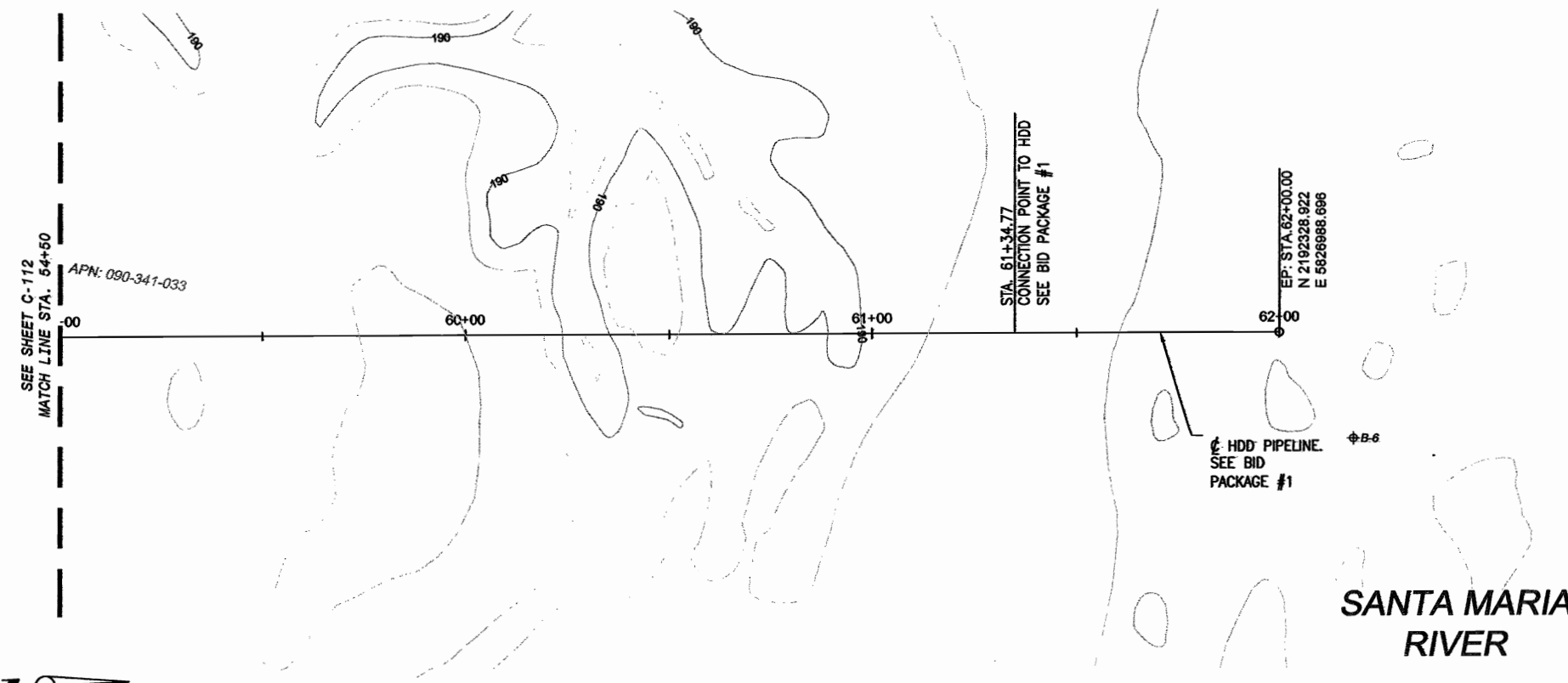
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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



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PROJECT NUMBER			EXP DATE

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WATERLINE INTERLINE PROJECT - BP3
LEVEE BORE AND JACK
PLAN AND PROFILE
STA. 59+00 to 62+00

DESIGNED: CR
DETAILED: JPF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO. 80081285.0001
NCSO PROJECT NO.
CADD STDS. BOYLE
C-114
SHEET 16 OF 22

NIPOMO COMMUNITY SERVICES DISTRICT

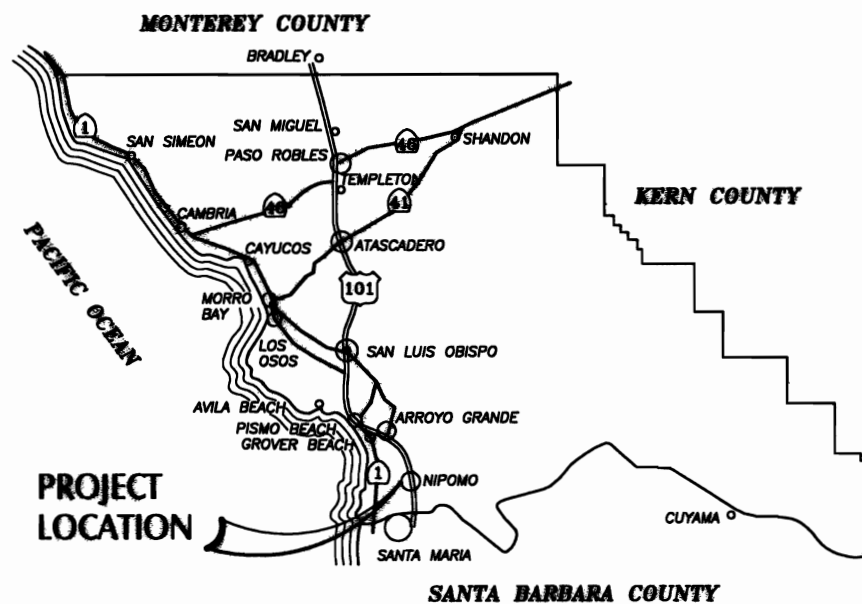


Construction Plans for WATERLINE INTERTIE PROJECT Bid Package 4

Joshua Road Pump Station and Reservoir Wellhead Chloramination Improvements

MARCH 2009

AECOM



VICINITY MAP



LOCATION MAP

PROJECT	WATERLINE INTERTIE PROJECT
CLIENT	NIPOMO COMMUNITY SERVICES DISTRICT
APPROVED BY:	
DATE:	
PROJECT NUMBER	
DATE	
PROJECT MANAGER	MICHAEL NUNLEY, PE 3/2009
DATE	
PROJECT MANAGER	JOSHUA REYNOLDS, PE 3/2009
DATE	
PROJECT NUMBER	60061286
DATE	
PROJECT NUMBER	1 - 71
DATE	

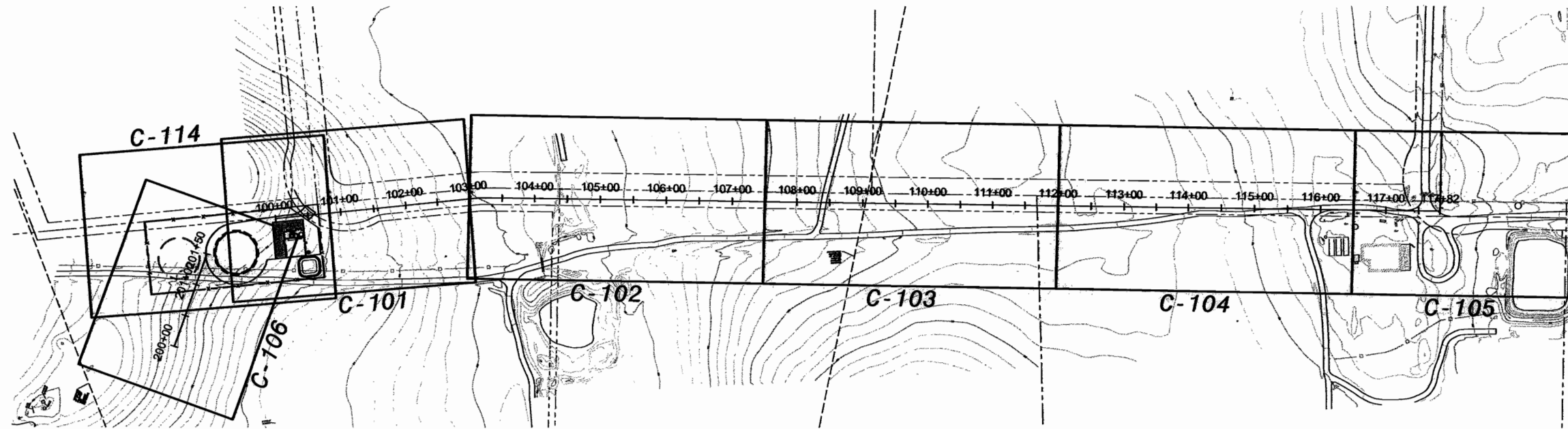


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SHEET INDEX
 SCALE: 1" = 100'

1

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0 1/2 1
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SHT. NO.	DWG. NO.	SHEET TITLE
1	G001	TITLE SHEET
2	G-002	SHEET INDEX AND GENERAL NOTES
3	C-101	MESA AREA PIPELINE PLAN & PROFILE-STA. 100+00 to 103+00
4	C-102	MESA AREA PIPELINE PLAN & PROFILE-STA. 103+00 to 107+50
5	C-103	MESA AREA PIPELINE PLAN & PROFILE-STA. 107+50 to 112+00
6	C-104	MESA AREA PIPELINE PLAN & PROFILE-STA. 112+00 to 116+50
7	C-105	MESA AREA PIPELINE PLAN & PROFILE-STA. 116+50 to 119+00
8	C-106	PIPELINE FROM HDD TO TANKS PLAN & PROFILE
9	C-107	MESA AREA PIPELINE DETAILS
10	C-108	PIPELINE FROM HDD TO TANKS DETAILS - 1
11	C-109	PIPELINE FROM HDD TO TANKS DETAILS - 2
12	C-110	DISCHARGE PIPELINE PLAN & PROFILE-STA. 1000+00 to 1004+50
13	C-111	DISCHARGE PIPELINE PLAN & PROFILE-STA. 1004+50 to 1009+00
14	C-112	DISCHARGE PIPELINE PLAN & PROFILE-STA. 1009+00 to 1013+50
15	C-113	DISCHARGE PIPELINE PLAN & PROFILE-STA. 1013+50 to 1018+00
16	C-114	TANK SITE - SITE PLAN
17	C-115	TANK SITE - GRADING PLAN
18	C-116	TANK SITE - STORM DRAIN DETAILS
19	C-117	TANK SITE - PROCESS FLOW DIAGRAM
20	C-118	RESERVOIR SECTION VIEW
21	C-121	PUMP STATION FLOOR PLAN
22	C-122	PUMP STATION PIPING PLAN
23	C-123	PUMP STATION PIPING SECTION VIEW
24	C-124	PUMP STATION PIPING PROFILES
25	C-125	PUMP STATION DETAILS
26	C-126	PUMP STATION SURGE CONTROL FACILITIES
27	C-131	CHLORAMINATION FACILITY PIPING PLAN
28	C-132	CHLORAMINATION FACILITY PROFILES
29	C-133	CHLORAMINATION FACILITY MISC. PIPING & DETAILS - 1
30	C-134	CHLORAMINATION FACILITY MISC. PIPING & DETAILS - 2
31	C-135	CHLORAMINATION FACILITY MISC. PIPING & DETAILS - 3
32	C-401	FLOW CONTROL VALVE VAULT
33	C-402	FLOW METER VAULT

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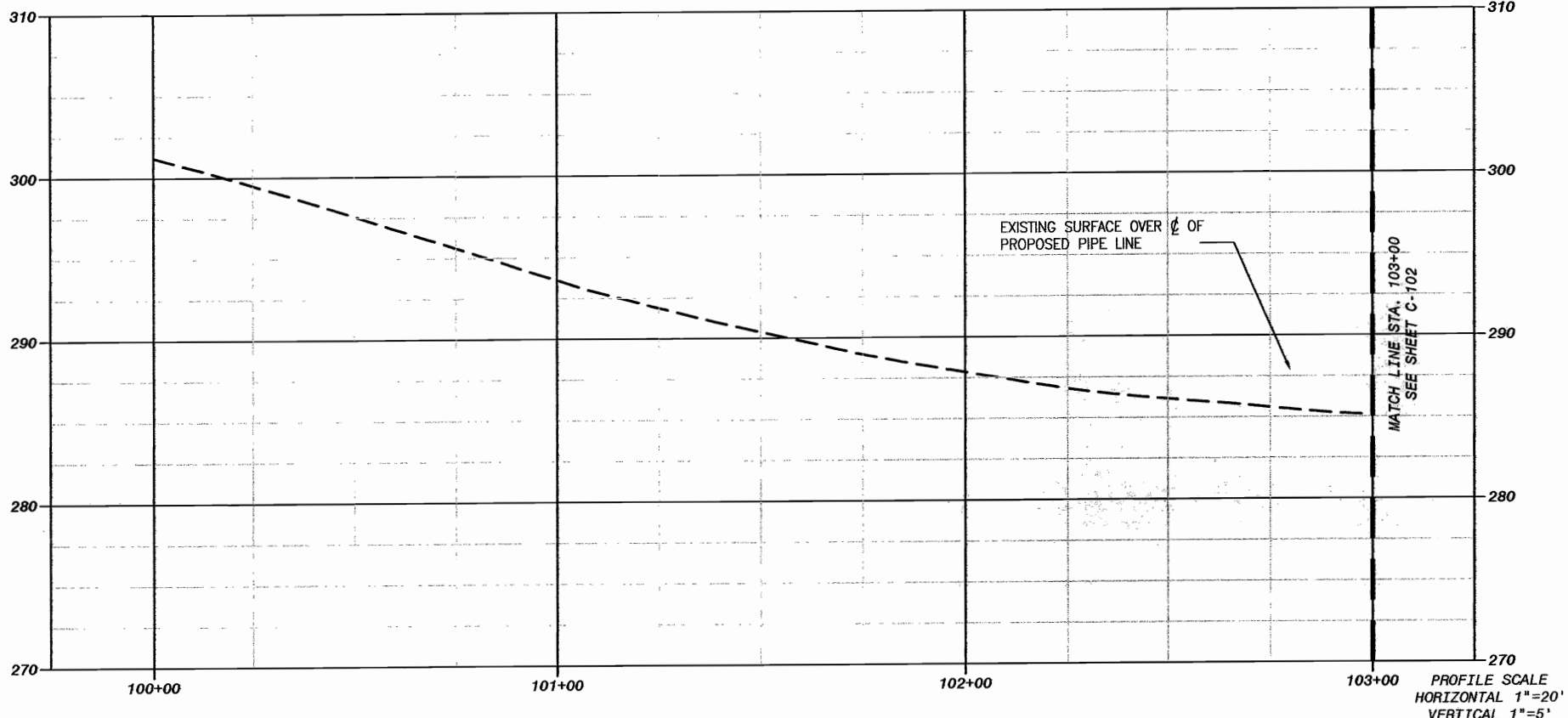
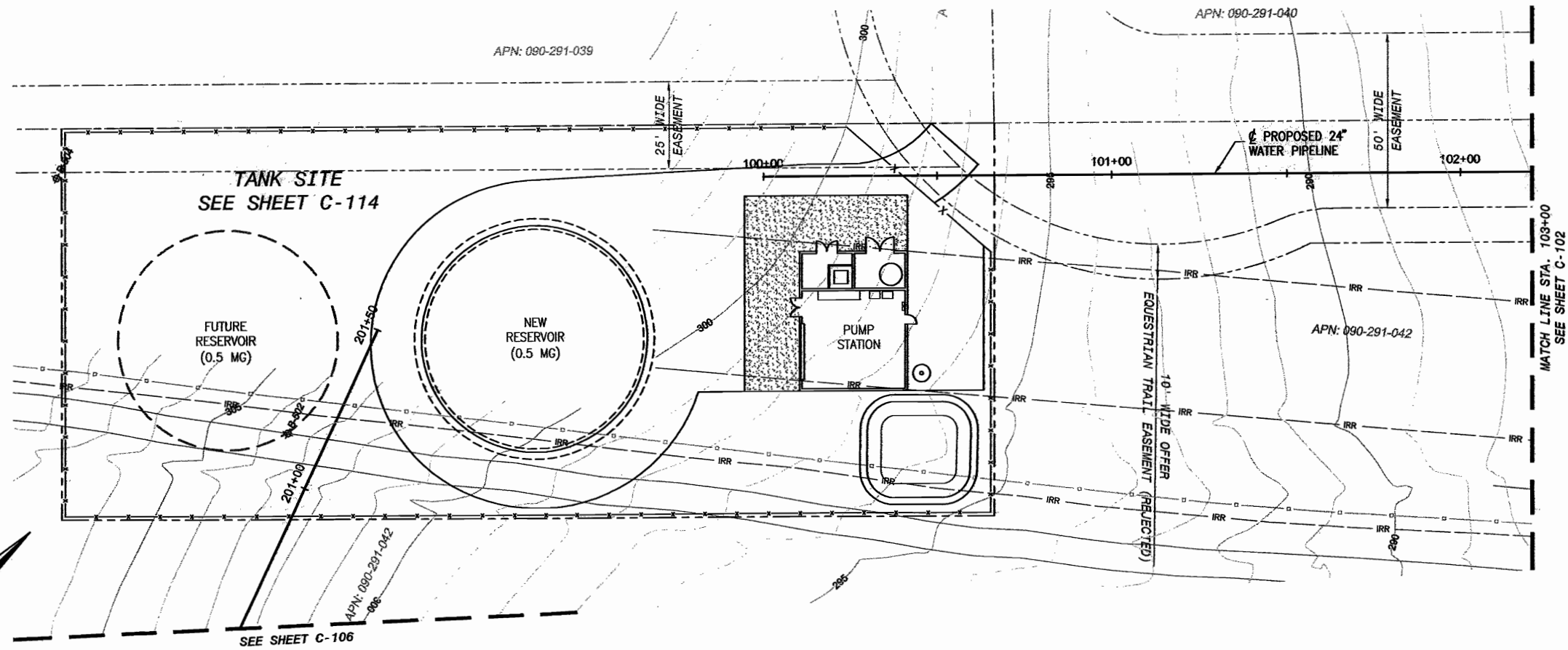
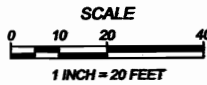
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 WATERLINE INTERTIE PROJECT - BPA
 SHEET INDEX, GENERAL NOTES
 LEGENDS AND ABBREVIATIONS

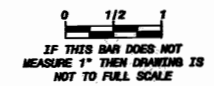
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DATE: MARCH 2009
AECOM PROJECT NO. 60061295.0001
MCSO PROJECT NO.

CADD STDS.
 BOYLE
G-002
 SHEET
 2 OF 71

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 SHEET NO: 3 OF 31



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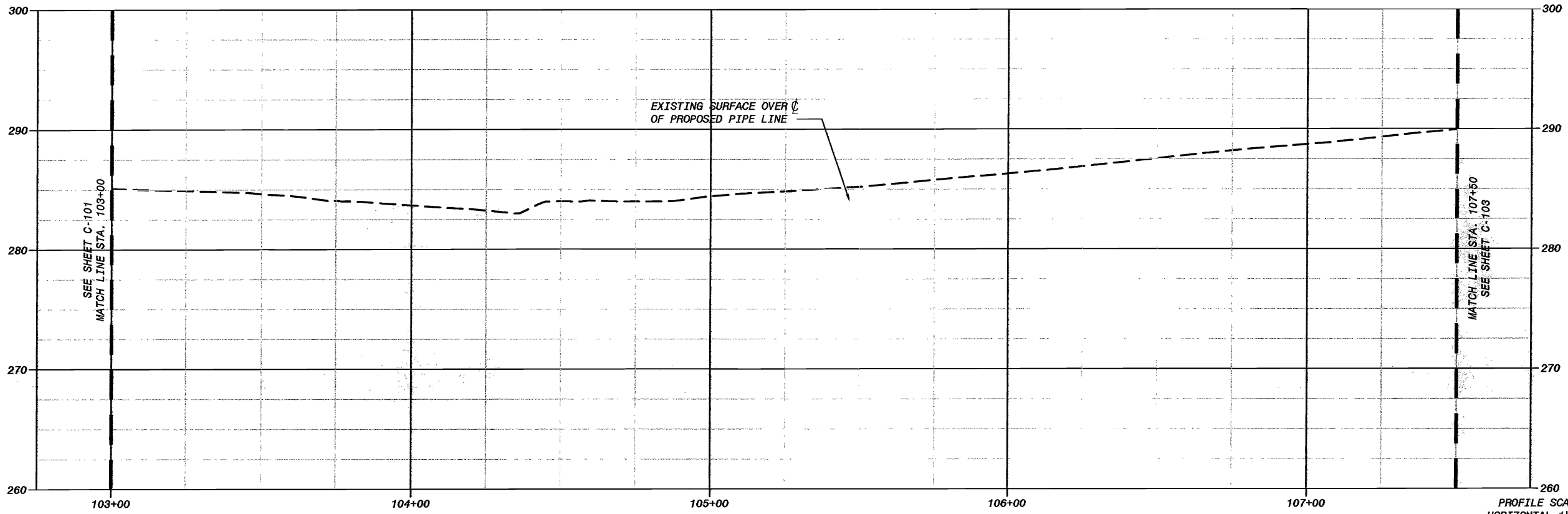
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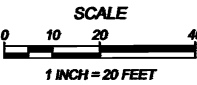
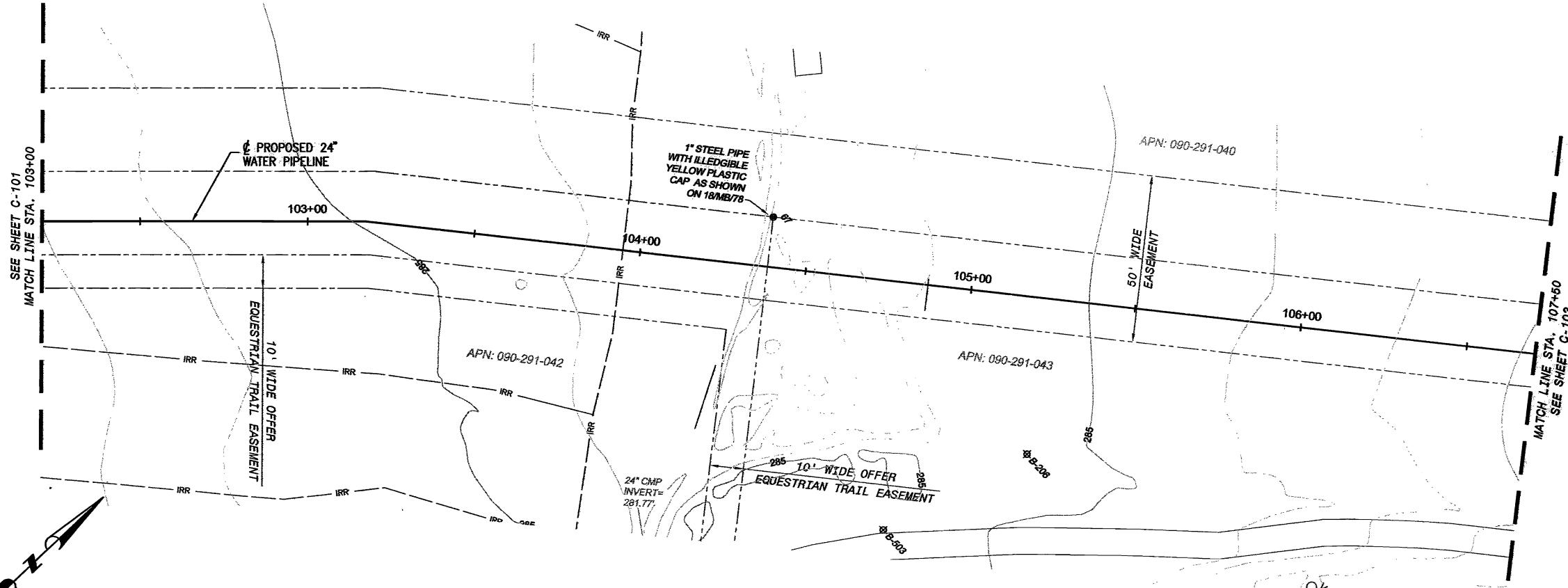
NIPOMO COMMUNITY SERVICES DISTRICT
WATERLINE INTERTIE PROJECT - BP4
MESA AREA PIPELINE
PLAN AND PROFILE
STA 100+00 TO 103+00

DESIGNED: JHR
DATE: MARCH 2009
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NCSD PROJECT NO.
CADD STDS. BOYLE
C-101
SHEET
3 OF 31

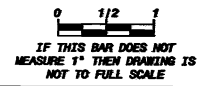
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 MADES: Nipoma, Spring, Santa Maria Waterline-1,ud, Santa Maria Waterline-2,ud



PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

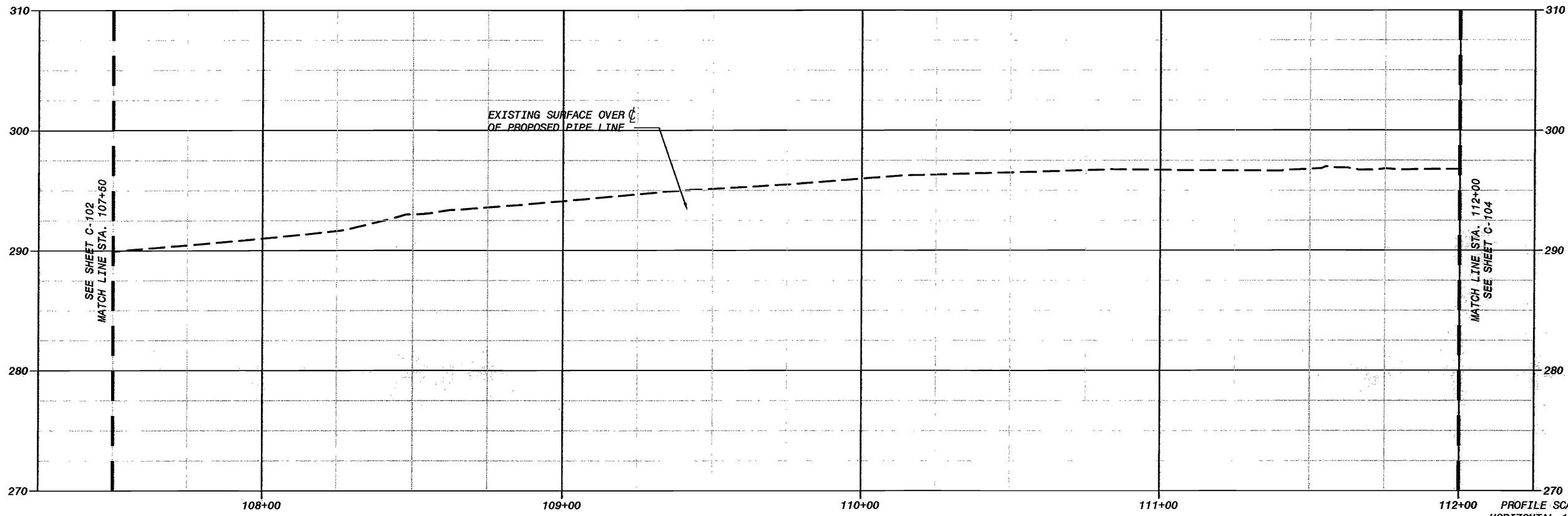


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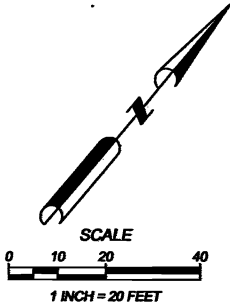
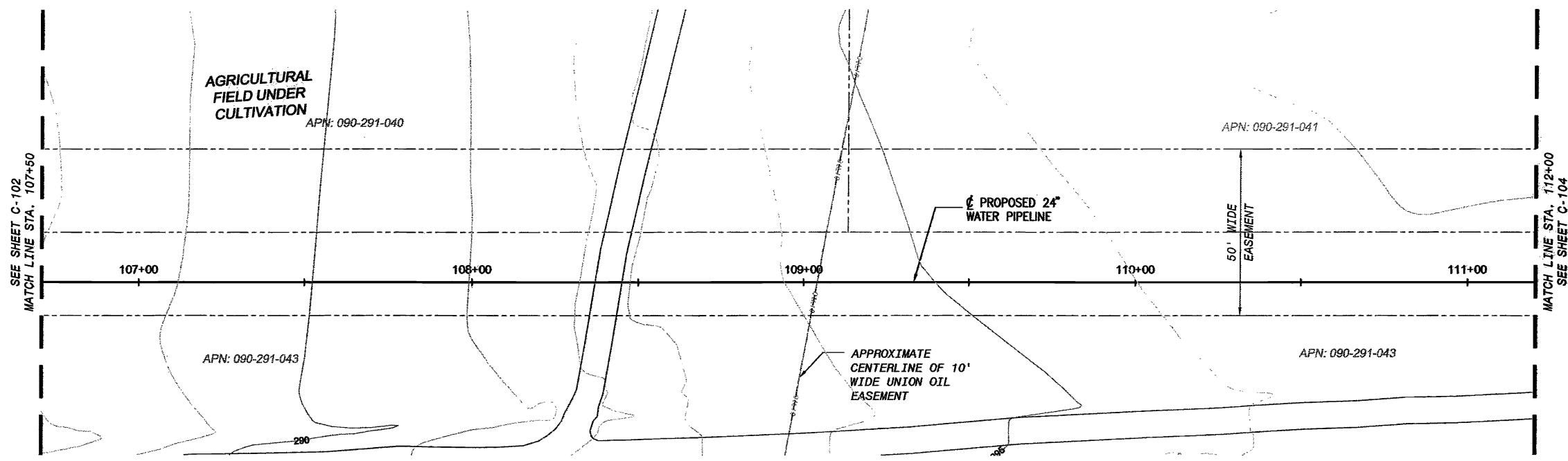


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AECOM USA, Inc. 1825 Folsom Street, Suite 204 San Jose, CA 95125 T 408.542.8940 F 408.542.8990 www.aecom.com	PROJECT ENGINEER JOSHUA H REYNOLDS REVISION NUMBER C05400 APPR EXP DATE 09/30/2009
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP4 MESA AREA PIPELINE PLAN AND PROFILE STA 103+00 TO 107+50	
DESIGNED: JHR DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 80061296.0001 NCSO PROJECT NO.	
CADD STDS. BOYLE C-102 SHEET 4 OF 71	

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PROFILE SCALE
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 VERTICAL 1"=5'

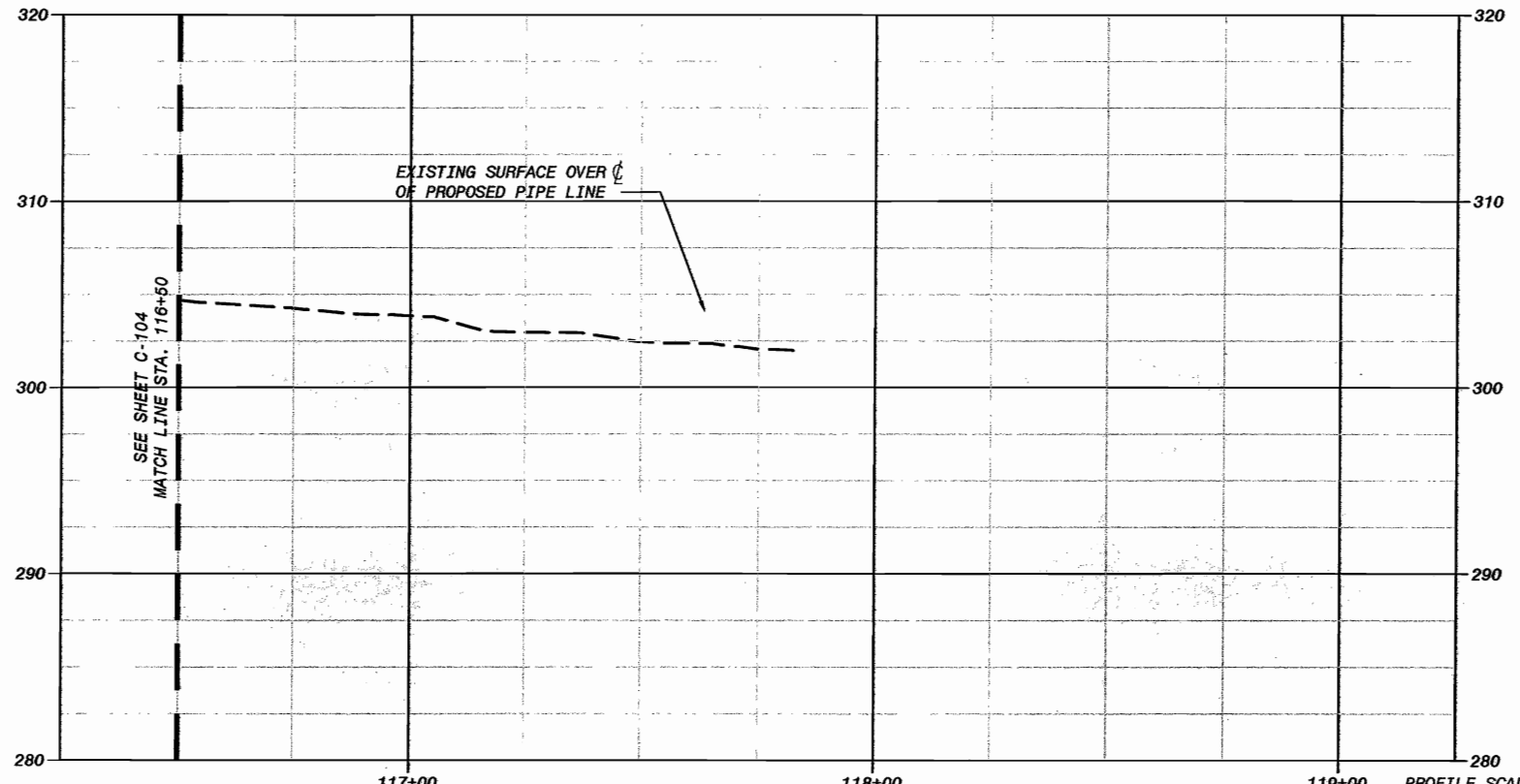


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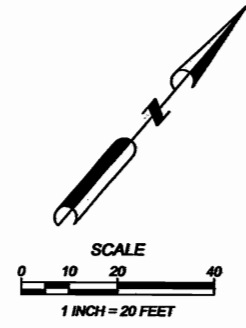
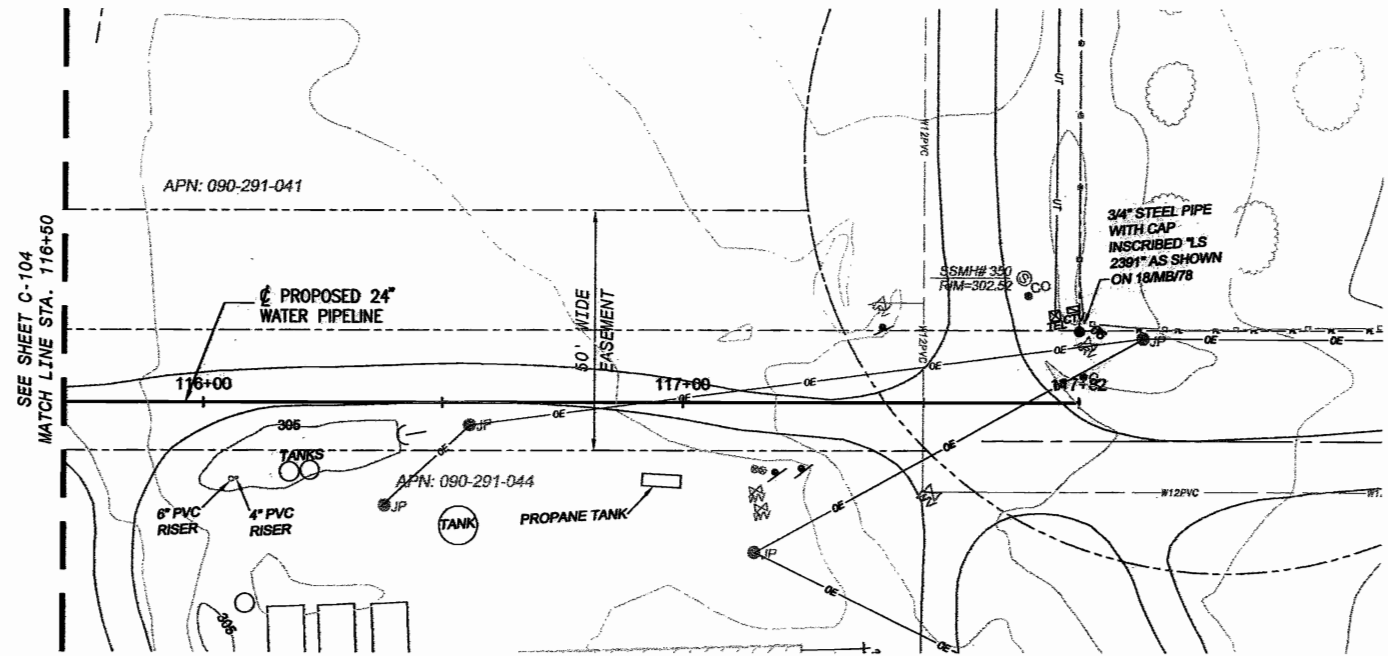
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AECOM USA, Inc. 194 Pacific Street, Suite 204 San Jose, CA 95128 T 408.542.8940 F 408.542.8990 www.aecom.com	PROJECT ENGINEER JOSHUA H. REYNOLDS REG NUMBER CS5500
NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP4	
MESA AREA PIPELINE PLAN AND PROFILE STA 107+50 TO 112+00	
DESIGNED: JWR DETAILED: JWF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 60061296.0001 NCSO PROJECT NO.	CADD STDS. BOYLE C-103 SHEET 6 OF 71

DWG: W:\pismo_CSD (19980) \999870 Waterline Interline Project Design\Drawings\Plan\APN 090-291-041 - 2008.dwg, Plot Date: 4/27/2009 - 3:05 PM
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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'



APPN	EXP DATE	09/30/2009
DESCRIPTION	REB NUMBER	CS65400
DATE	PROJECT ENGINEER	JOSHUA H REYNOLDS

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 1155 West Park Drive, Suite 300
 Sunnyvale, CA 94087
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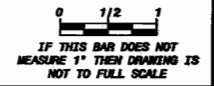
**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERLINE PROJECT - BP4**

MESA AREA PIPELINE
 PLAN AND PROFILE
 STA 116+50 TO 119+00

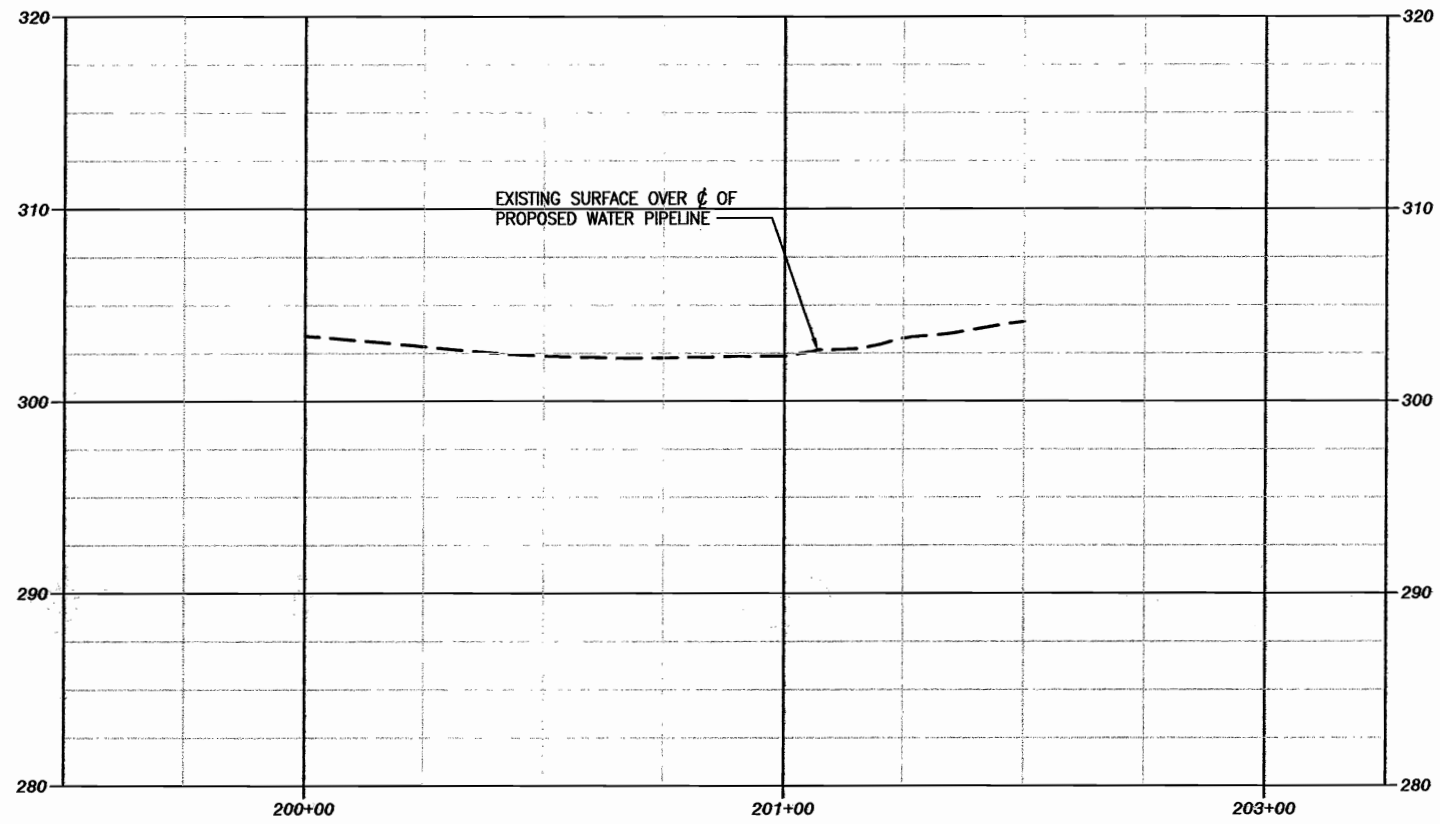
DESIGNED: JWR
 DETAILED: JPF
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 00081295.0001
 NCSO PROJECT NO.

CADD STDS.
 BOYLE
C-105
 SHEET
 7 OF 71

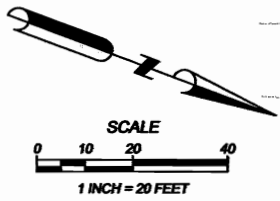
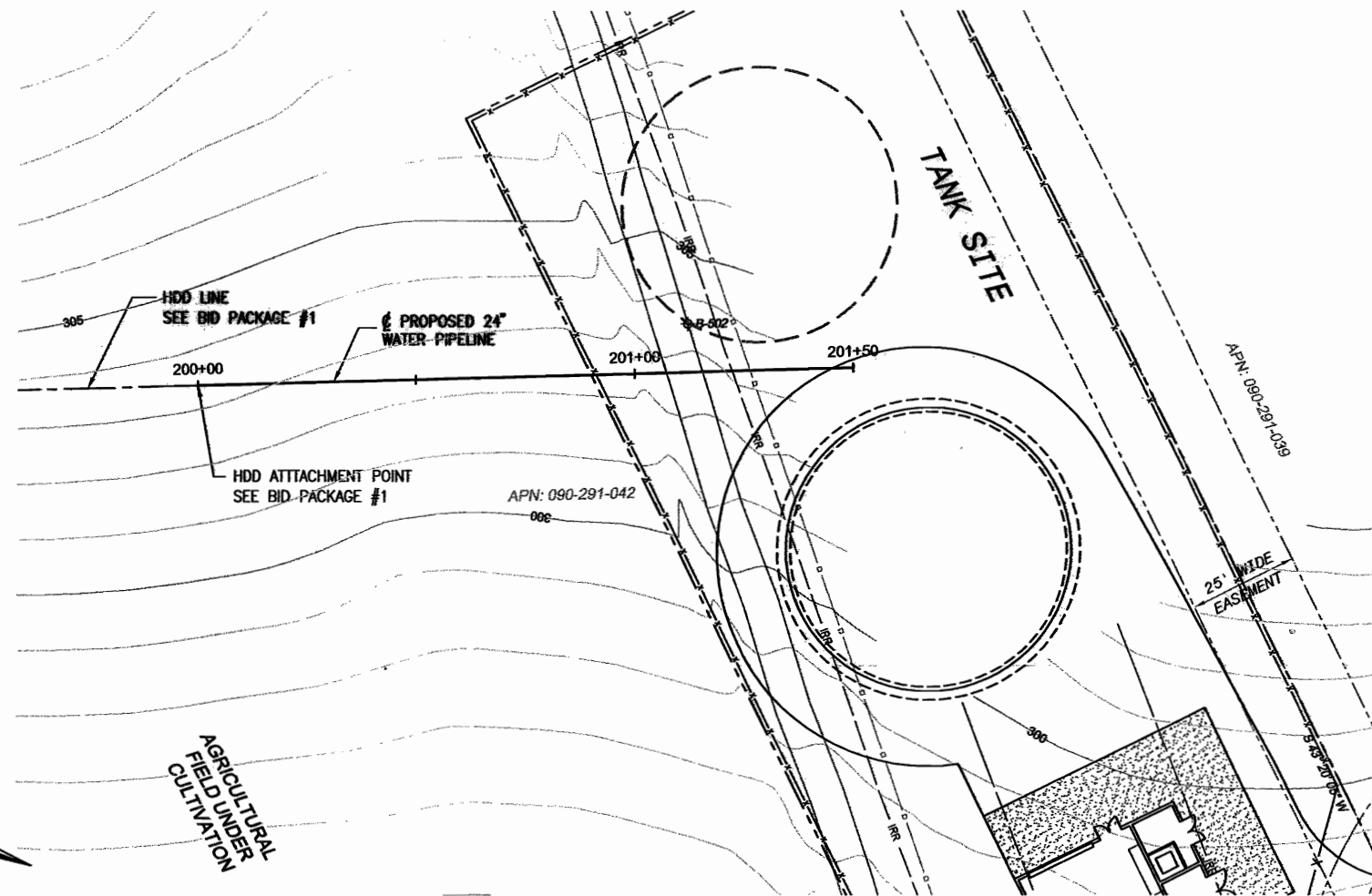
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 DATE: MARCH 31, 2009



DWG: W:\Nipomo_CSD (1998) 70 Waterline Interline Project Design Plans\CSD Project\BP-4_JOSHUA 305_Planes\C-106.dwg Layout Name: C-106 - Plotted by: Francisco Jim Date: 4/27/2009 - 3:06 PM
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PROFILE SCALE
 HORIZONTAL 1"=20'
 VERTICAL 1"=5'

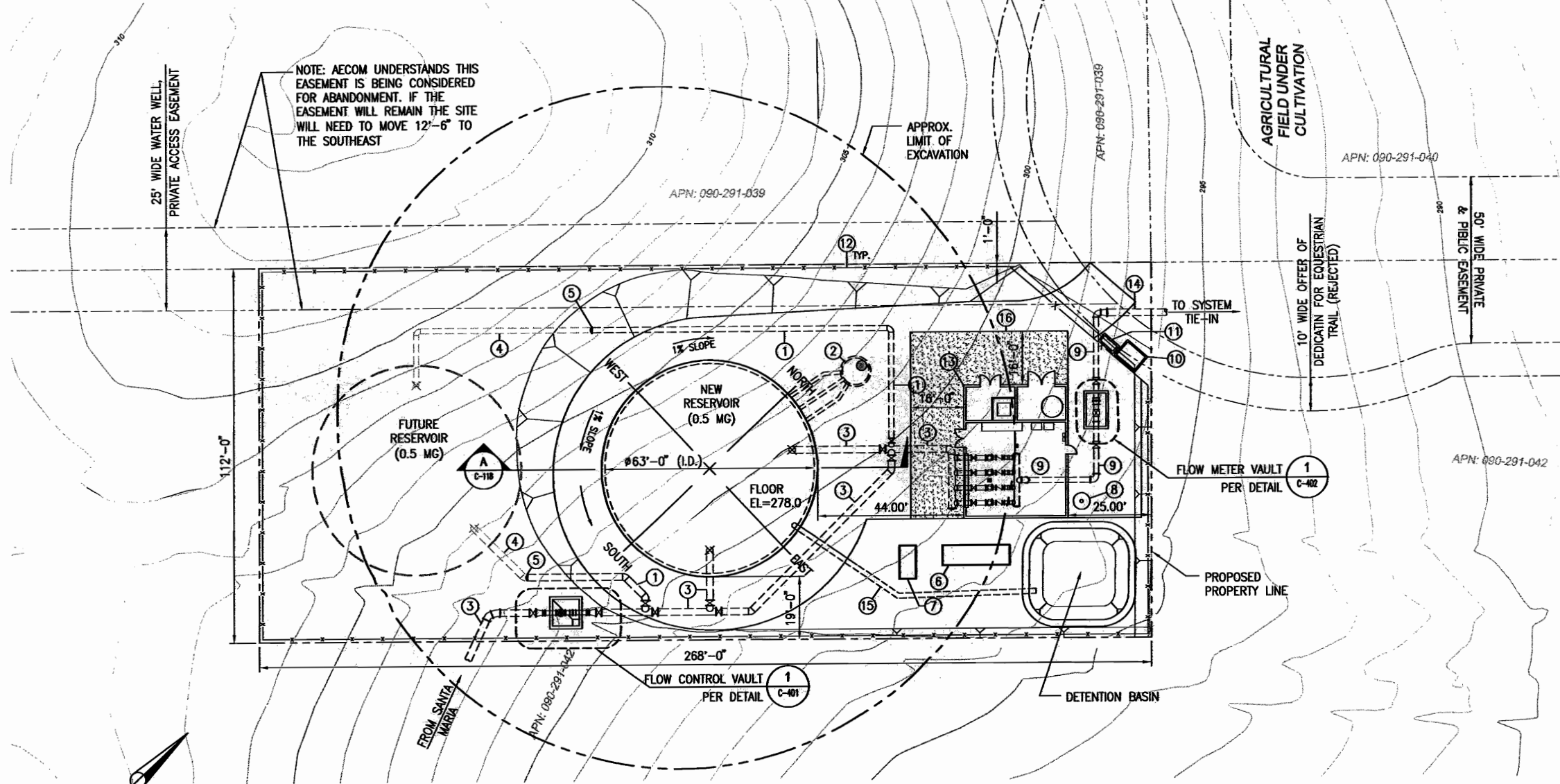


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 DATE: MARCH 31, 2009

0 1/2 1
 IF THIS BAR DOES NOT
 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

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NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP4	
PIPELINE FROM HDD TO TANK SITE PLAN AND PROFILE STA 200+00 to 201+50	
DESIGNED: JPR	APPR DATE: 09/30/2009
DETAILED: JPF	DESCRIPTION: C65400
CHECKED:	PROJECT ENGINEER: JOSHUA H. REYNOLDS
APPROVED:	DATE: 03/31/2009
DATE: MARCH 2009	
AECOM PROJECT NO. 60081295.0001	
NCS3 PROJECT NO.	
CADD STDS. BOYLE	
C-106 SHEET 8 OF 71	

DWG: N:\Nipomo CSD (199967) 999670 Waterline Interline Project Plans\CAD\Drawings\BP4-JOSHUA\308 Pionnet\C-114.dwg Layout Name: C-114 - Plotted by: Freilicher, Jim Date: 4/27/2009 - 3:08 PM
 XREFS: Surface-Section2-TonAV2 - Wellbase - NCS-8D_BP4 - WAK SITE IMAGES: Santa Maria Waterline-1.dwg - Santa Maria Waterline-2.dwg - Nipomo logo.jpg



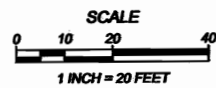
NOTE: AECOM UNDERSTANDS THIS EASEMENT IS BEING CONSIDERED FOR ABANDONMENT. IF THE EASEMENT WILL REMAIN THE SITE WILL NEED TO MOVE 12'-6" TO THE SOUTHEAST

CONSTRUCTION NOTES:

- ① 18" WSP
- ② DRAINAGE MANHOLE, SEE DETAIL X
Y
- ③ 24" WSP
- ④ FUTURE 18" WSP
- ⑤ 18" BLIND FLANGE
- ⑥ EMERGENCY GENERATOR
- ⑦ GENERATOR FUEL TANK
- ⑧ SURGE TANK
- ⑨ 18" DIP
- ⑩ PG&E PAD MOUNTED TRANSFORMER
- ⑪ METERING SWITCHBOARD
- ⑫ 6'-0" HIGH CHAIN LINK FENCE WITH THREE STRANDS OF BARBED WIRE, SEE DETAIL U
V
- ⑬ PUMP STATION AND CHLORAMINE BOOSTER BUILDING, SEE DETAIL 1
C-121
- ⑭ 24" DIP
- ⑮ 18" DIP TANK OVERFLOW
- ⑯ ASPHALT APRON

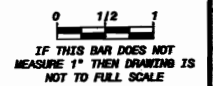
NOTES:

- 1. GRADING IS PRELIMINARY, TO BE REVISED IN 60% SUBMITTAL



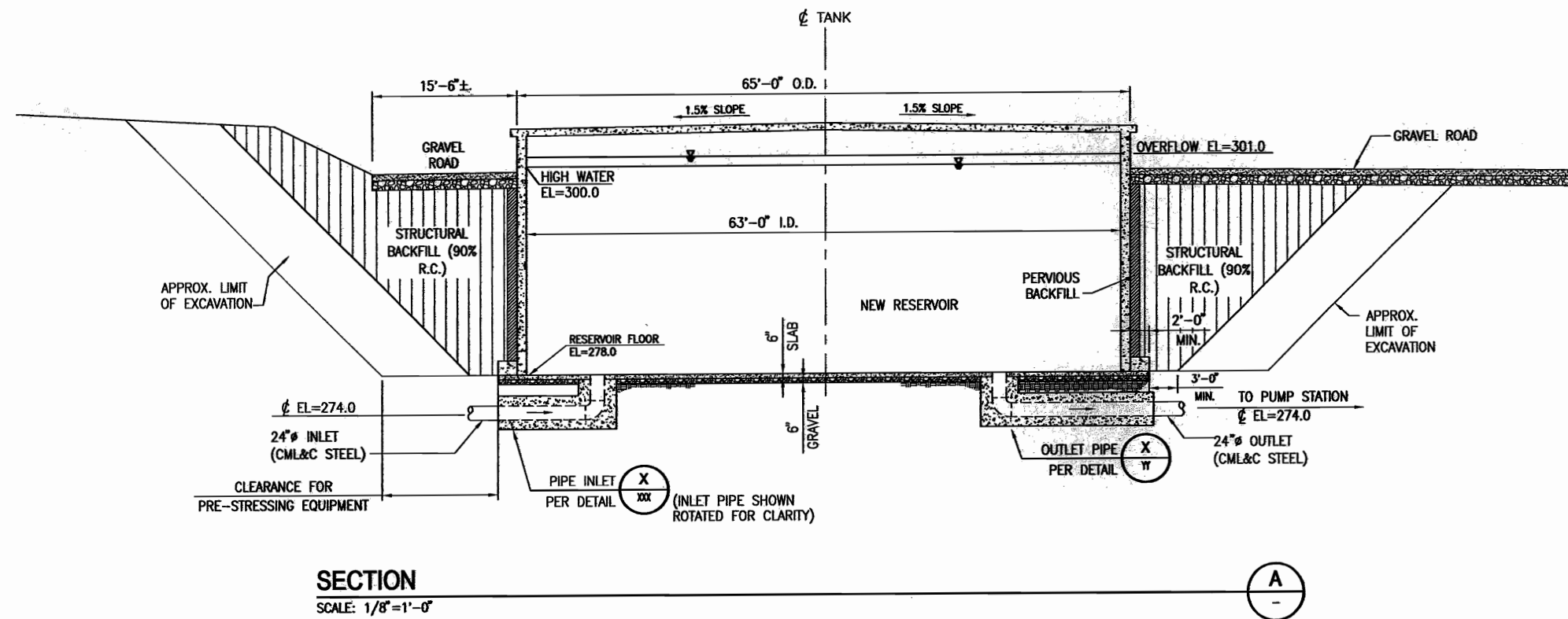
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DATE: MARCH 31, 2009



<p>AECOM</p> <p>AECOM USA, Inc. 1184 Pacific Street, Suite 204 San Jose, CA 95128 Tel: 408.436.8900 Fax: 408.436.8999 www.aecom.com</p>	<p>APP'D: _____ DATE: _____ BDP DATE: 09/30/2009</p> <p>DESCRIPTION: _____ REF NUMBER: C56400</p> <p>PROJECT ENGINEER: _____ JOSHUA H. REYNOLDS</p>
<p>RESERVOIR SITE PLAN</p>	
<p>NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP4</p>	
<p>DESIGNED: JMR/ES DETAILED: JPF CHECKED: _____ APPROVED: _____</p>	
<p>DATE: MARCH 2009 AECOM PROJECT NO.: 00061295.0001 NCSO PROJECT NO.:</p>	
<p>CADD STDS. BOYLE C-114 SHEET 16 OF 71</p>	

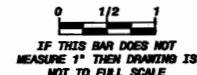
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 XREFS: NCSO-BD_BP4 MACSES: Nipomo Logo.jpg



SECTION
 SCALE: 1/8"=1'-0"

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 DATE: MARCH 31, 2009



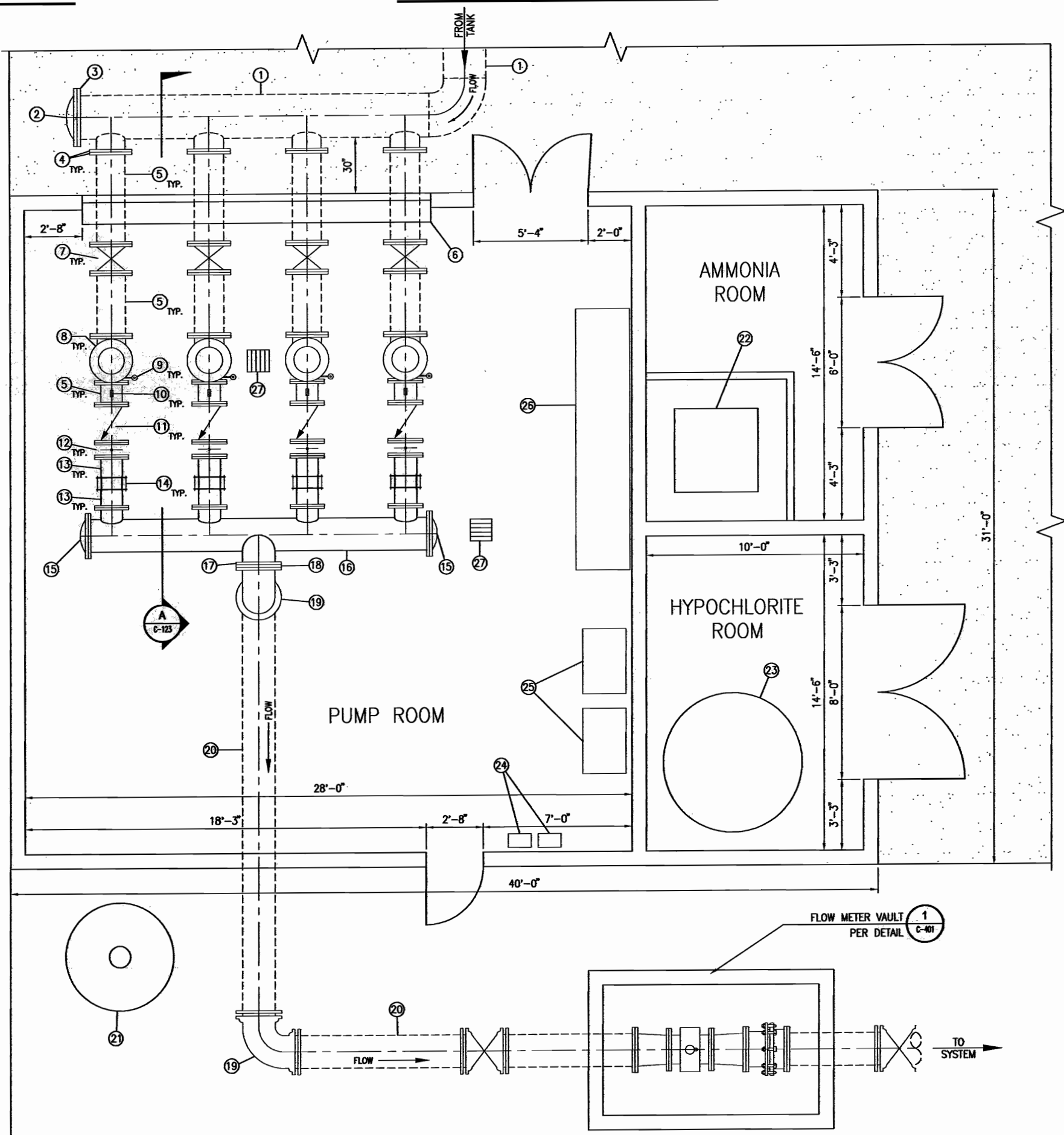
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**NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERTIE PROJECT - BP4**
RESERVOIR SECTION VIEW

DESIGNED: ES/JRR
DETAILED: JPF
CHECKED:
APPROVED:
DATE: MARCH 2009
AECOM PROJECT NO. 80081295.0001
NCSO PROJECT NO.
CADD STDS. BOYLE
C-118 SHEET 20 OF 71

DWG: W:\Mipomo_CSD (19998)\1999870 Waterline Interline Project Design\Drawings\Plan\Drawings\C-121.dwg Date: 4/27/2009 3:09 PM
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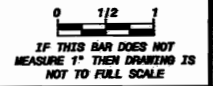


CONSTRUCTION NOTES:

- ① 24" CMLC WELDED STEEL PIPE
- ② 24" BLIND FLANGE
- ③ 24" WELDABLE FLANGE
- ④ 16" WELDABLE FLANGE
- ⑤ 16" WELDED STEEL PIPE SPOOL, FLG'D
- ⑥ 16-FOOT WIDE ROLL-UP DOOR
- ⑦ 16" RESILIENT WEDGE GATE VALVE, FLG'D
- ⑧ 5 STAGE, 100hp VERTICAL TURBINE PUMP RATED AT 800gpm AT 350-ft TDH
- ⑨ AIR RELEASE VALVE
- ⑩ PRESSURE GAUGE
- ⑪ 12" CHECK VALVE, FLG'D
- ⑫ 12" BUTTERFLY VALVE, FLG'D
- ⑬ 12" WELDED STEEL PIPE SPOOL, PEXFLG
- ⑭ 12" COUPLER
- ⑮ 18" BLIND FLANGE
- ⑯ 18" WELDED STEEL PIPE
- ⑰ 18" WELDABLE FLANGE
- ⑱ WESTFALL STATIC MIXER
- ⑲ 18" 90° ELBOW, FLG'D
- ⑳ 18" DUCTILE IRON PIPE
- ㉑ 5' x 8'-0" HIGH BLADDER SURGE TANK
- ㉒ 220gal AMMONIUM SULFATE SOLUTION TANK
- ㉓ 1000gal SODIUM HYPOCHLORITE TANK
- ㉔ RESIDUAL METERS
- ㉕ SKID MOUNTED CHEMICAL METERING PUMPS
- ㉖ MOTOR CONTROL CENTER
- ㉗ 12'x12' FLOOR DRAIN

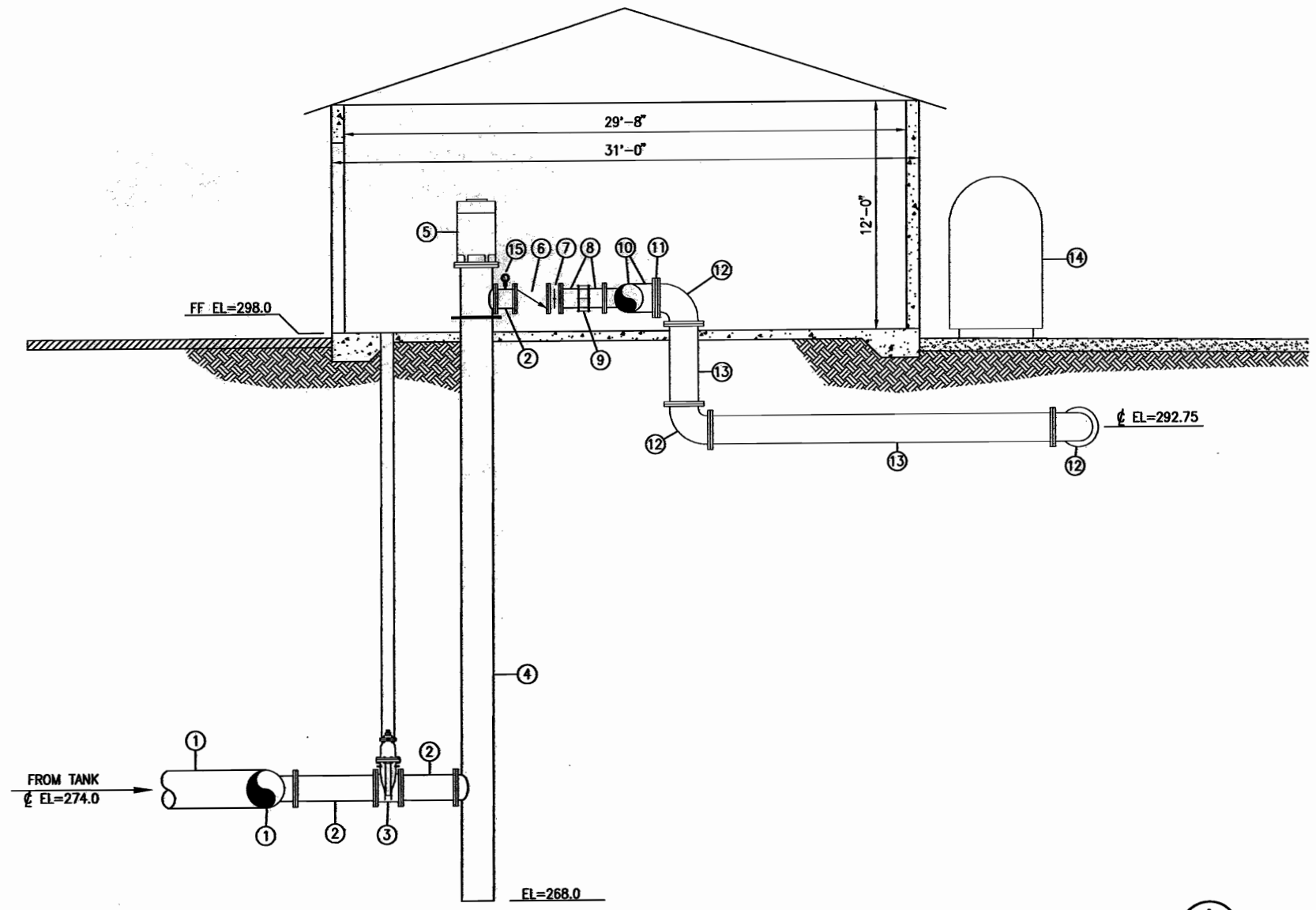
PUMP STATION FLOOR PLAN
 SCALE: 3/8"=1'-0"

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 DATE: MARCH 31, 2009



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NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP4	
PUMP STATION FLOOR PLAN	
DESIGNED: JMR/ES	DATE: MARCH 2009
DETAILED: JPF	AECOM PROJECT NO. 00061295.0001
CHECKED:	NCSO PROJECT NO.
APPROVED:	CADD STDS. BOYLE
C-121 SHEET 21 OF 71	

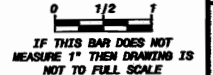
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PUMP STATION SECTION
 SCALE: 1/4"=1'-0"

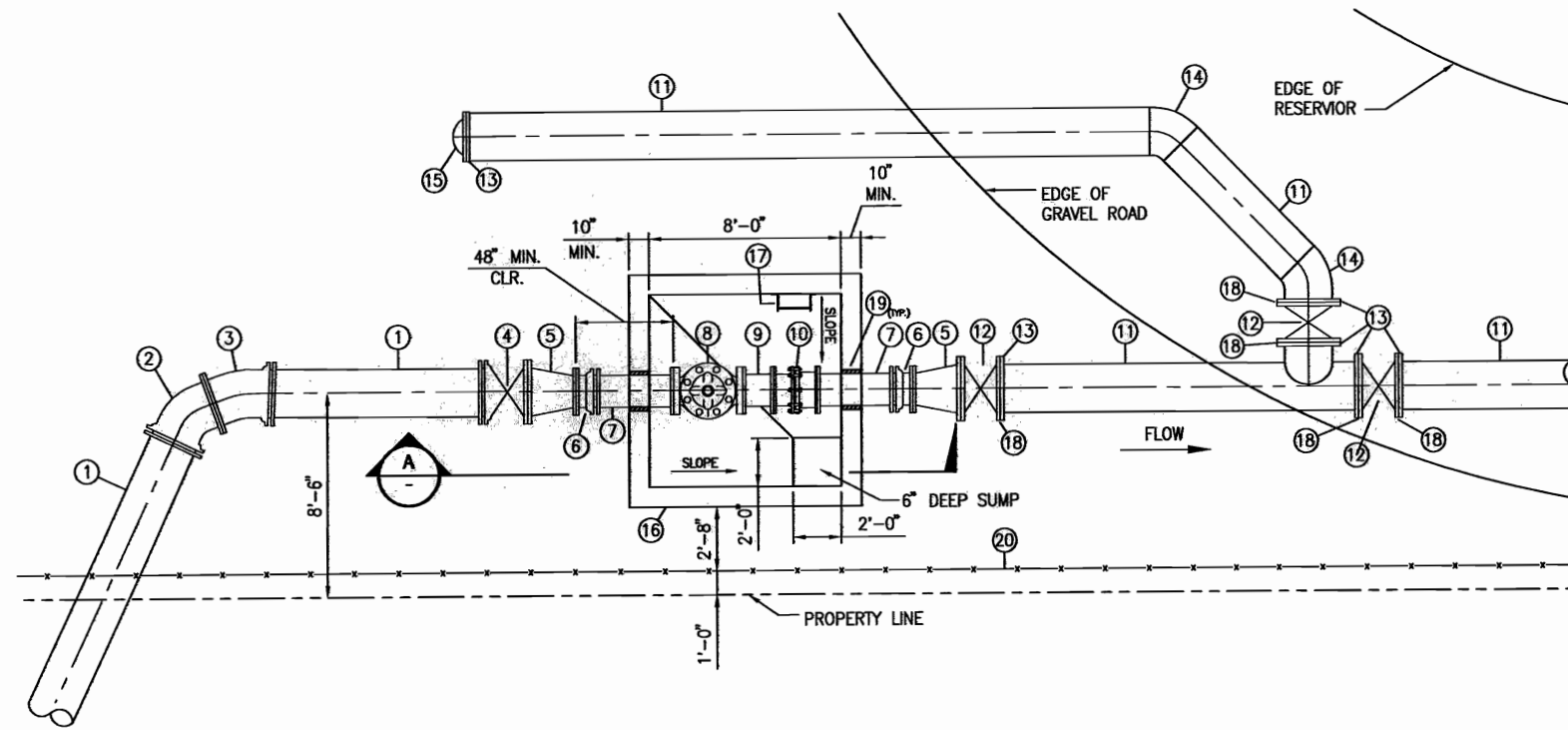
- CONSTRUCTION NOTES:**
- ① 24" CMLC WELDED STEEL PIPE
 - ② 16" WELDED STEEL PIPE SPOOL, FLG'D
 - ③ 16" RESILIENT WEDGE GATE VALVE, FLG'D
 - ④ 20" SUCTION CAN
 - ⑤ 5 STAGE, 100hp VERTICAL TURBINE PUMP RATED AT 800gpm AT 350-ft TDH
 - ⑥ 12" CHECK VALVE, FLG'D
 - ⑦ 12" BUTTERFLY VALVE, FLG'D
 - ⑧ 12" WELDED STEEL PIPE SPOOL, PEXFLG
 - ⑨ 12" COUPLER
 - ⑩ 18" WELDED STEEL PIPE
 - ⑪ WESTFALL STATIC MIXER
 - ⑫ 18" 90° ELBOW, FLG'D
 - ⑬ 18" DUCTILE IRON PIPE
 - ⑭ 5' x 8'-0" HIGH BLADDER SURGE TANK
 - ⑮ PRESSURE GAUGE

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NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERITE PROJECT - BP4	
PUMP STATION PIPING SECTION	
<small>DESIGNED: JHR/ES</small> <small>DETAILED: JPF</small> <small>CHECKED:</small> <small>APPROVED:</small> <small>DATE: MARCH 2009</small> <small>AECOM PROJECT NO. 80061296.0001</small> <small>NCSO PROJECT NO.</small>	
<small>CADD STDS. BOYLE</small> C-123 <small>SHEET 22 OF 71</small>	

DWG: W:\Nipomo_CSD (19998)\19998_70 Waterline Interline Project Design\Drawings\Plan\CA01\Plan\CA-401.dwg
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 Layout Name: C-401 - Plotted by: Freilicher, Jim Date: 4/27/2009 - 3:11 PM

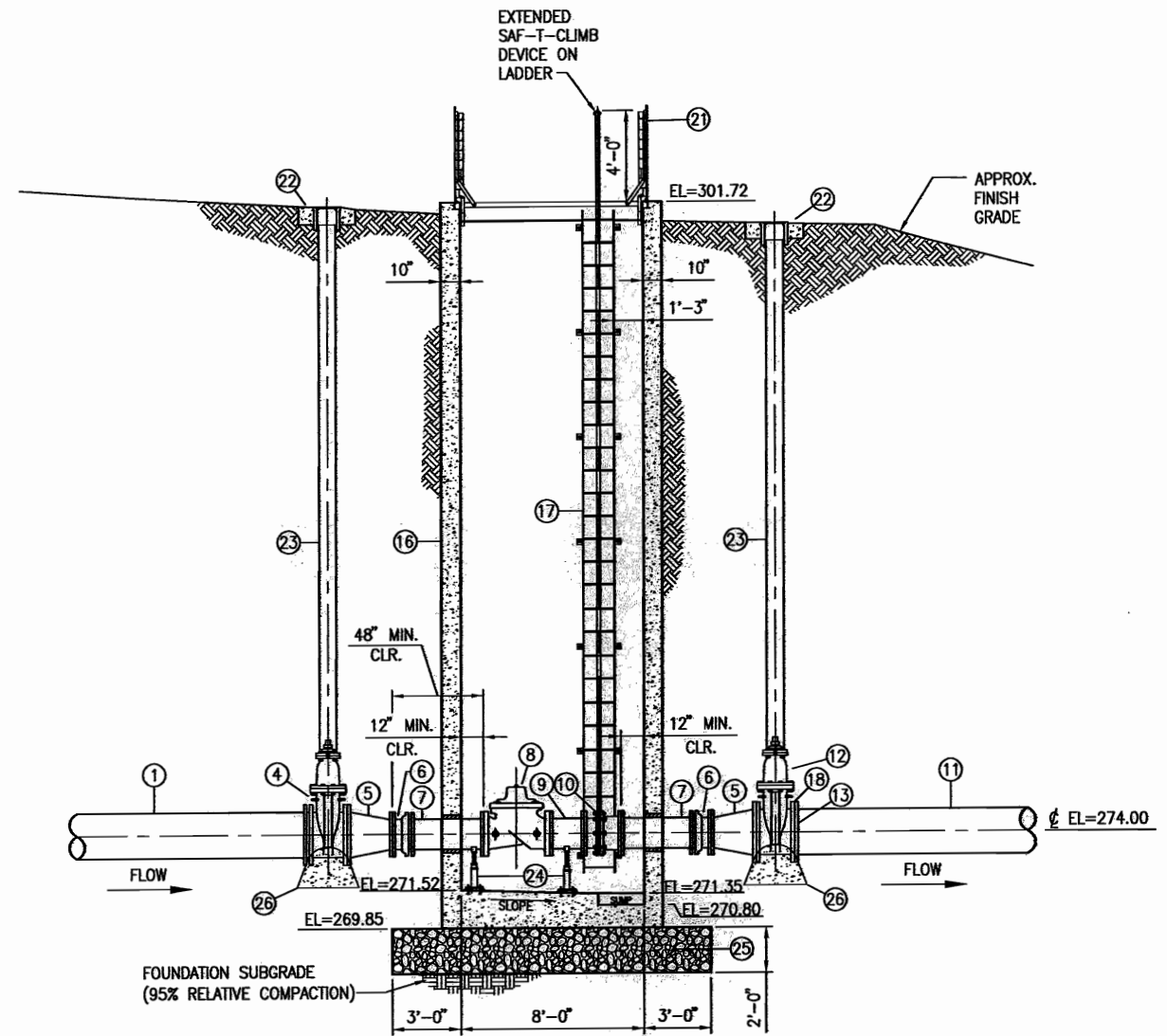


FLOW CONTROL VALVE VAULT

SCALE: 1/4"=1'-0"

CONSTRUCTION NOTES:

- | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| ① 24" ϕ DUCTILE IRON PIPE | ⑭ 24" ϕ WSP 45° ELBOW, MjxFLG |
| ② 24" D.I. 45° ELBOW, MjxFLG, RESTRAINED | ⑮ 24" DI BLIND FLANGE |
| ③ 24" D.I. 22.5° ELBOW, MjxFLG, RETRAINED | ⑯ 8'-0" x 8'-0" CONCRETE VAULT PER DETAIL |
| ④ 24" RESILIENT WEDGE GATE VALVE, MjxFLG | ⑰ LADDER, 316 STAINLESS STEEL WITH 304 SST SAF-T-CLIMB DEVICES PER DETAIL |
| ⑤ 24" x 16" D.I. REDUCER, FLG'D | ⑱ INSULATING FLANGE PER DETAIL |
| ⑥ 16" MJ x FLANGE ADAPTER | ⑲ PIPE PENETRATION PER DETAIL |
| ⑦ 16" ϕ DIP SPOOL, FLGxPE | ⑳ 6-FOOT HIGH CHAIN LINK SECURITY FENCE PER DETAIL |
| ⑧ 16" REDUCED PORT ELECTRONIC FLOW CONTROL AND HIGH WATER SHUT-OFF VALVE | ㉑ 8'-0" x 8'-0" DOUBLE LEAF ALUMINUM ACCESS HATCH PER SPEC. SECTION |
| ⑨ 16" ϕ DIP SPOOL, FLG'D | ㉒ VALVE BOX AND CONCRETE RING PER DETAIL |
| ⑩ 16" DISMANTLING JOINT | ㉓ 8" ϕ SDR-35 PVC EXTENSION |
| ⑪ 24" ϕ I.D. WELDED-STEEL PIPE, CML&C | ㉔ PIPE SUPPORT PER DETAIL |
| ⑫ 24" RESILIENT WEDGE GATE VALVE, FLG'D | ㉕ CLEAN COMPACTED CRUSHED ROCK, 90% REL. COMP., SURROUNDED ALL SIDES WITH GEOFABRIC, PER SPEC. |
| ⑬ 24" WELDED NECK FLANGE OR DOUBLE WELDED SLIP-ON FLANGE | ㉖ CONCRETE ANCHOR BLOCK PER DETAIL |



SECTION

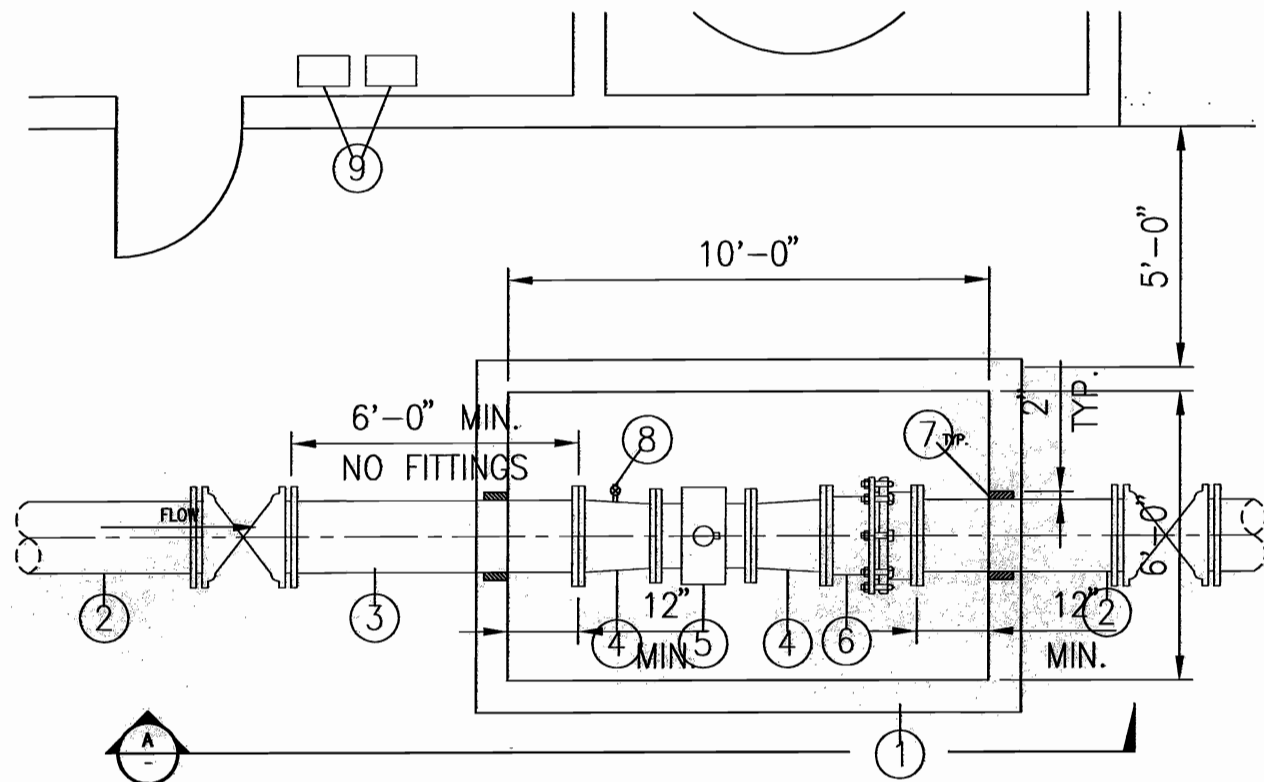
SCALE: 1/4"=1'-0"

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 DATE: MARCH 31, 2009

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NIPOMO COMMUNITY SERVICES DISTRICT WATERLINE INTERLINE PROJECT - BP4	
FLOW CONTROL VALVE VAULT	
DESIGNED: JWR/ES DETAILED: JPF CHECKED: APPROVED: DATE: MARCH 2009 AECOM PROJECT NO. 00061295.0001 NCSO PROJECT NO.	
CADD STDS. BOYLE C-401 SHEET 32 OF 71	

DWS: W:\Nipomo_CSD (1998) 70 Waterline Inter tie Project Details\Drawings\BP-4_CSD\A\306 Promat\C-401.dwg Layout Name: C-402 - Plotted by: Froelicher, Jim Date: 4/27/2009 - 3:11 PM
 XREFS: TANK SITE4 - NSD - SD - BP4 - Surface - Stationing: 2+104.02



CONSTRUCTION NOTES:

- ① 6'x10' CONCRETE VAULT
- ② 18" ϕ DIP
- ③ 18" ϕ X 6'-0" DIP SPOOL, FLG,D
- ④ 18"x16" REDUCER, FLG'S
- ⑤ 16" PROMAG W REMOTE MAG METER
- ⑥ 18" DISMANTLING COUPLING
- ⑦ LINK SEAL & GROUT
- ⑧ TAP FOR RESIDUAL SAMPLE
- ⑨ RESIDUAL METERS

FLOW METER VAULT

SCALE: 1/2" = 1'-0"

1

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 MEASURE 1" THEN DRAWING IS
 NOT TO FULL SCALE

NIPOMO COMMUNITY SERVICES DISTRICT
 WATERLINE INTERTIE PROJECT - BP4

FLOW METER VAULT

DESIGNED: JPH/JES
 DETAILED: JPH
 CHECKED:
 APPROVED:
 DATE: MARCH 2009
 AECOM PROJECT NO.
 00081205.0001
 NCSO PROJECT NO.
 CADD STDS.
 BOYLE
C-402
 SHEET
 33 OF 71

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PROJECT ENGINEER: JOSHUA H. REYNOLDS
 PROJECT NUMBER: CS6400
 APPR DATE: 09/30/2009