NACIMIENTO WATER PROJECT

DRAFT Preliminary Design Report Drawing List

BID PACKAGE 7

General

Drawing no	Title
G001	Units G, G1, and H1 Pipeline and Unit T11 Turnout Cover Sheet
G602	Units G, G1, H1, and T11 General SCADA System Block Diagram

UNIT G: Station 1785+00 to 2152+51.24

Drawing no	Title
GP-C101	Plan and Profile Sta 1785+00 to 1797+00
GP-C102	Plan and Profile Sta 1797+00 to 1810+00
GP-C103	Plan and Profile Sta 1810+00 to 1823+00
GP-C104	Plan and Profile Sta 1823+00 to 1836+00
GP-C105	Plan and Profile Sta 1836+00 to 1849+00
GP-C106	Plan and Profile Sta 1849+00 to 1861+00
GP-C107	Plan and Profile Sta 1861+00 to 1874+00
GP-C108	Plan and Profile Sta 1874+00 to 1886+00
GP-C109	Plan and Profile Sta 1886+00 to 1899+00
GP-C110	Plan and Profile Sta 1899+00 to 1912+00
GP-C111	Plan and Profile Sta 1912+00 to 1925+00
GP-C112	Plan and Profile Sta 1925+00 to 1936+00
GP-C113	Plan and Profile Sta 1936+00 to 1949+00
GP-C114	Plan and Profile Sta 1949+00 to 1962+00
GP-C115	Plan and Profile Sta 1962+00 to 1976+00
GP-C116	Plan and Profile Sta 1976+00 to 1989+00
GP-C117	Plan and Profile Sta 1989+00 to 2003+00
GP-C118	Plan and Profile Sta 2003+00 to 2016+00
GP-C119	Plan and Profile Sta 2016+00 to 2029+00
GP-C120	Plan and Profile Sta 2029+00 to 2041+00
GP-C121	Plan and Profile Sta 2041+00 to 2054+00
GP-C122	Plan and Profile Sta 2054+00 to 2067+00
GP-C123	Plan and Profile Sta 2067+00 to 2080+00
GP-C124	Plan and Profile Sta 2080+00 to 2093+00
GP-C125	Plan and Profile Sta 2093+00 to 2106+00
GP-C126	Plan and Profile Sta 2106+00 to 2118+00
GP-C127	Plan and Profile Sta 2118+00 to 2130+00
GP-C128	Plan and Profile Sta 2130+00 to 2143+00
GP-C129	Plan and Profile Sta 2143+00 to 2152+51.24

UNIT G1: Station 2150+00 to 2308+01.49

Drawing no	Title
G1P-C101	Plan and Profile Sta 2150+00 to 2162+00
G1P-C102	Plan and Profile Sta 2162+00 to 2175+00
G1P-C103	Plan and Profile Sta 2175+00 to 2187+00
G1P-C104	Plan and Profile Sta 2187+00 to 2198+00
G1P-C105	Plan and Profile Sta 2198+00 to 2210+00
G1P-C106	Plan and Profile Sta 2210+00 to 2221+00
G1P-C107	Plan and Profile Sta 2221+00 to 2233+00
G1P-C108	Plan and Profile Sta 2233+00 to 2245+00
G1P-C109	Plan and Profile Sta 2245+00 to 2256+25
G1P-C110	Plan and Profile Sta 2256+25 to 2266+00
G1P-C111	Plan and Profile Sta 2266+00 to 2277+00
G1P-C112	Plan and Profile Sta 2277+00 to 2288+00
G1P-C113	Plan and Profile Sta 2288+00 to 2298+00
G1P-C114	Plan and Profile Sta 2298+00 to 2308+01.49

UNIT H1: Station 2370+00 to 2513+78.51

Drawing no	Title
H1P-C101	Plan and Profile Sta 2370+00 to 2376+00
H1P-C102	Plan and Profile Sta 2376+00 to 2389+00
H1P-C103	Plan and Profile Sta 2389+00 to 2402+00
H1P-C104	Plan and Profile Sta 2402+00 to 2415+00
H1P-C105	Plan and Profile Sta 2415+00 to 2428+00
H1P-C106	Plan and Profile Sta 2428+00 v 2441+00
H1P-C204	Plan and Profile Sta 2426+00 to 2439+00
H1P-C205	Plan and Profile Sta 2439+00 to 2452+00
H1P-C206	Plan and Profile Sta 2452+00 to 2465+24.34
H1P-C107	Plan and Profile Sta 2441+00 to 2454+00
H1P-C108	Plan and Profile Sta A 2454+00 to 2467+00
H1P-C109	Plan and Profile Sta 2467+00 to 2480+00
H1P-C110	Plan and Profile Sta 2480+00 to 2493+00
H1P-C111	Plan and Profile Sta 2493+00 to 2506+00
H1P-C112	Plan and Profile Sta 2506+00 to 2513+78.51

UNIT T11: City of San Luis Obispo Tutnout

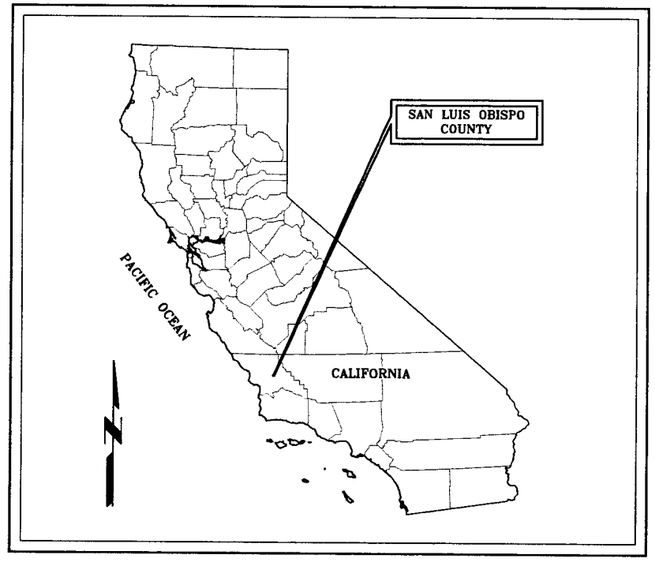
Drawing no	Title
T11-C101	San Luis Obispo Turnout Plan and Sections
T11 -C102	San Luis Obispo Turnout - Alternative A Site Plan
T11 -C103	San Luis Obispo Turnout - Alternative B Site Plan
T11-E601	San Luis Obispo Turnout One-Line Diagram
T11-I601	San Luis Obispo Turnout P&ID

COUNTY OF SAN LUIS OBISPO, CALIFORNIA
FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PLANS FOR THE CONSTRUCTION OF

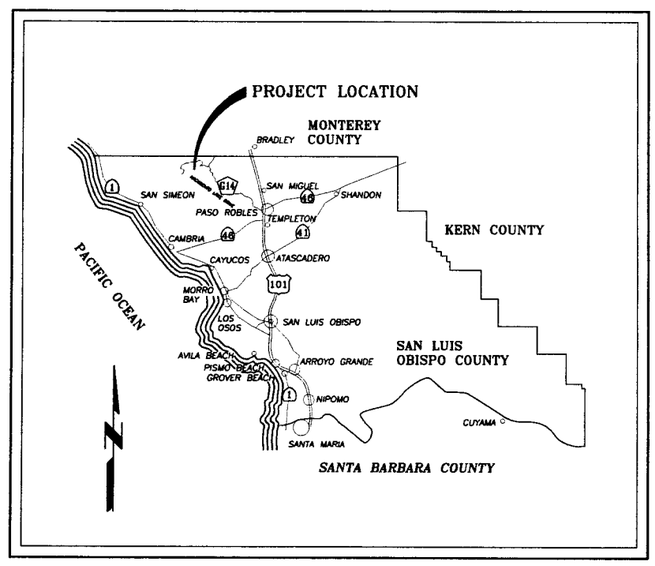
NWP NACIMIENTO WATER PROJECT

San Luis Obispo County Flood Control & Water Conservation District

B&V PROJECT NO. 137522
COUNTY CONTRACT NO. 300187.08
SPECIFICATION 7
UNITS G, G1, AND H1 PIPELINE
UNIT T11 SAN LUIS OBISPO TURNOUT



VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

PRELIMINARY - NOT FOR CONSTRUCTION

THESE DOCUMENTS REPRESENT A 30% PERCENT COMPLETE DESIGN, ARE PRELIMINARY AND ARE NOT FOR CONSTRUCTION OR BIDDING PURPOSES. THESE DOCUMENTS WILL BE FURTHER REVISED BEFORE A FINAL DESIGN IS ACCOMPLISHED. THEY HAVE NOT RECEIVED REGULATORY REVIEW AND DO NOT HAVE FINAL APPROVAL OR ACCEPTANCE OF THE GOVERNING REGULATORY AGENCIES. THESE DOCUMENTS ARE PREPARED WITH THE STANDARD OF CARE FOR THE TIME, LOCALE, AND SYSTEM AS GIVEN IN THE DOCUMENTS. THESE DOCUMENTS ARE THE COPYRIGHTED PROPERTY OF BLACK & VEATCH AND ARE NOT TO BE REPRODUCED OR DISTRIBUTED WITHOUT THE EXPRESS PERMISSION OF BLACK & VEATCH AND THEIR CLIENT, SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT.

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT AT THE REQUEST OF COUNTY OF SAN LUIS OBISPO, IN _____, _____.

_____
L.S. XXXX (EXP. XX-XX-XXXX)

APPROVED:

_____
NACIMIENTO PROJECT MANAGER
RPE C59001 (EXP 6-30-2007)

APPROVED BY:
BLACK & VEATCH CORPORATION

_____
STEVE FOELLMI, P.E.
PROJECT MANAGER

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

FD137522
D137522

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

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PLOTTED: MCC10764, 2/20/2006 10:07:27 AM
USER: MCC10764 DWG VER: 1.3
XREF1:
XREF2:
XREF3:
XREF4:
XREF5:

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BOYLE ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNITS G, G1, AND H1 PIPELINE
UNIT T11 SAN LUIS OBISPO TURNOUT
COVER SHEET

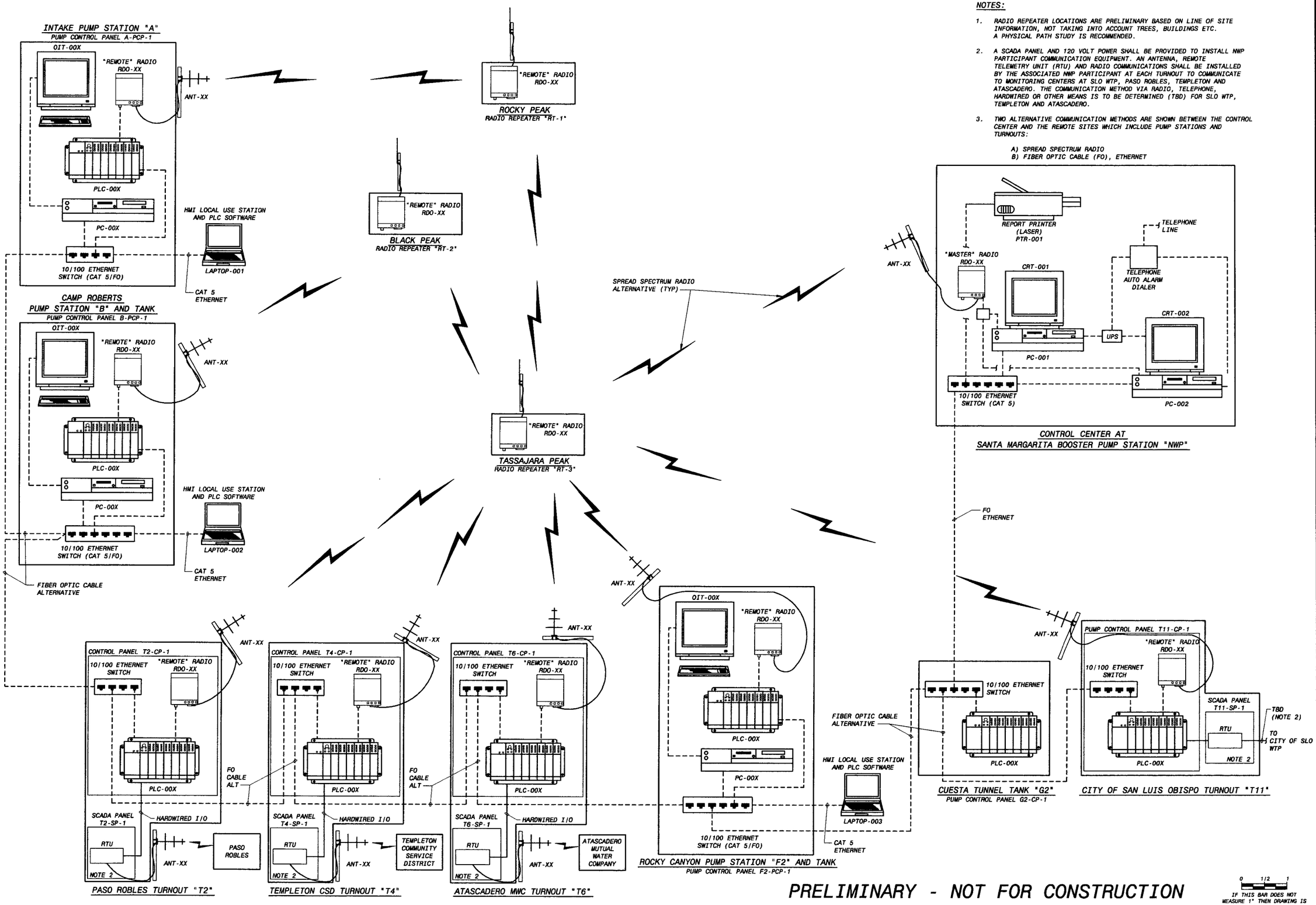
DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE: 2/22/06

BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
07

G001
SHEET
OF



NOTES:

1. RADIO REPEATER LOCATIONS ARE PRELIMINARY BASED ON LINE OF SITE INFORMATION, NOT TAKING INTO ACCOUNT TREES, BUILDINGS ETC. A PHYSICAL PATH STUDY IS RECOMMENDED.
2. A SCADA PANEL AND 120 VOLT POWER SHALL BE PROVIDED TO INSTALL NWP PARTICIPANT COMMUNICATION EQUIPMENT. AN ANTENNA, REMOTE TELEMETRY UNIT (RTU) AND RADIO COMMUNICATIONS SHALL BE INSTALLED BY THE ASSOCIATED NWP PARTICIPANT AT EACH TURNOUT TO COMMUNICATE TO MONITORING CENTERS AT SLO WTP, PASO ROBLES, TEMPLETON AND ATASCADERO. THE COMMUNICATION METHOD VIA RADIO, TELEPHONE, HARDWIRED OR OTHER MEANS IS TO BE DETERMINED (TBD) FOR SLO WTP, TEMPLETON AND ATASCADERO.
3. TWO ALTERNATIVE COMMUNICATION METHODS ARE SHOWN BETWEEN THE CONTROL CENTER AND THE REMOTE SITES WHICH INCLUDE PUMP STATIONS AND TURNOUTS:
   A) SPREAD SPECTRUM RADIO
   B) FIBER OPTIC CABLE (FO), ETHERNET

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

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USER: MCC10764

XREF1:
XREF2:
XREF3:
XREF4:
XREF5:

DWG VER. 1.2

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NWP NACIMIENTO WATER PROJECT

UNITS G, G1, H1, AND T11
SCADA SYSTEM BLOCK DIAGRAM

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	2/22/06
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
SHEET	G602
OF	

PRELIMINARY - NOT FOR CONSTRUCTION

0 1/2 1
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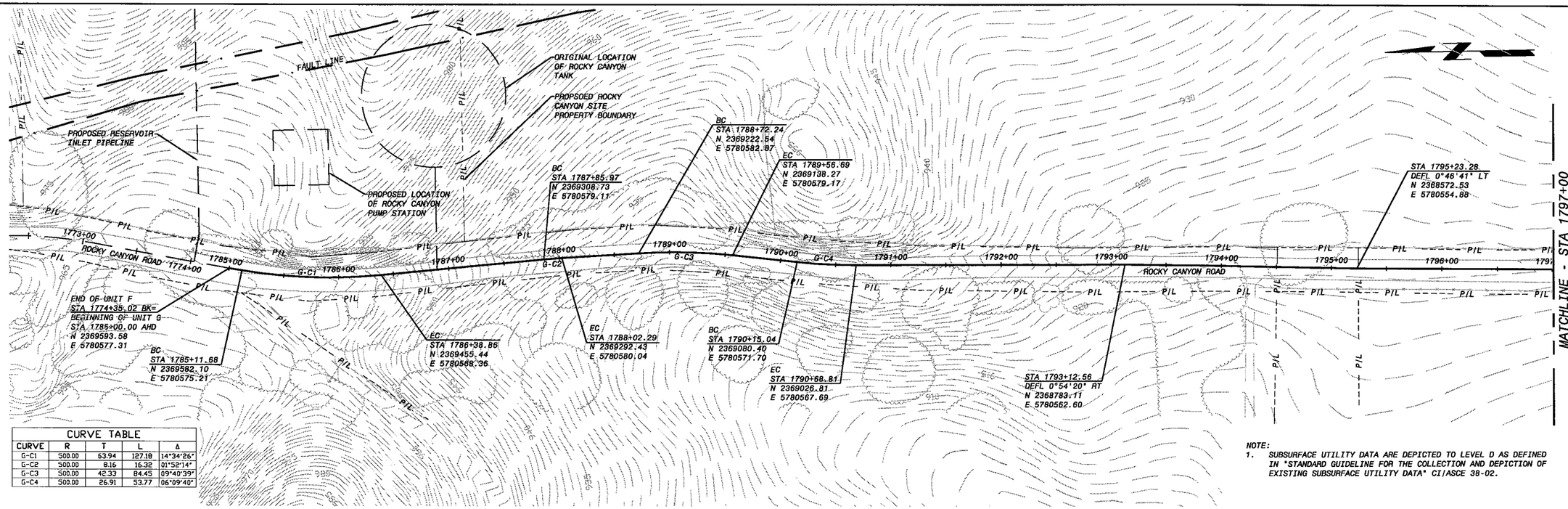
FD137522
D137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C1	500.00	63.94	127.18	14°34'26"
G-C2	500.00	8.16	16.32	01°52'14"
G-C3	500.00	42.33	84.45	09°40'39"
G-C4	500.00	26.91	53.77	06°09'40"

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig! Dig Safely. 1-800-227-2600

0 1/2 1
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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2006	DRAFT FOR SUBMITTAL

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PLOTTED:
USER:

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XREF2:BP7-C-UTIL01.dwg
XREF3:C-TOPO31.dwg
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DWG VER: 1.1

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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1785+00 TO 1797+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C101
SHEET	1 OF

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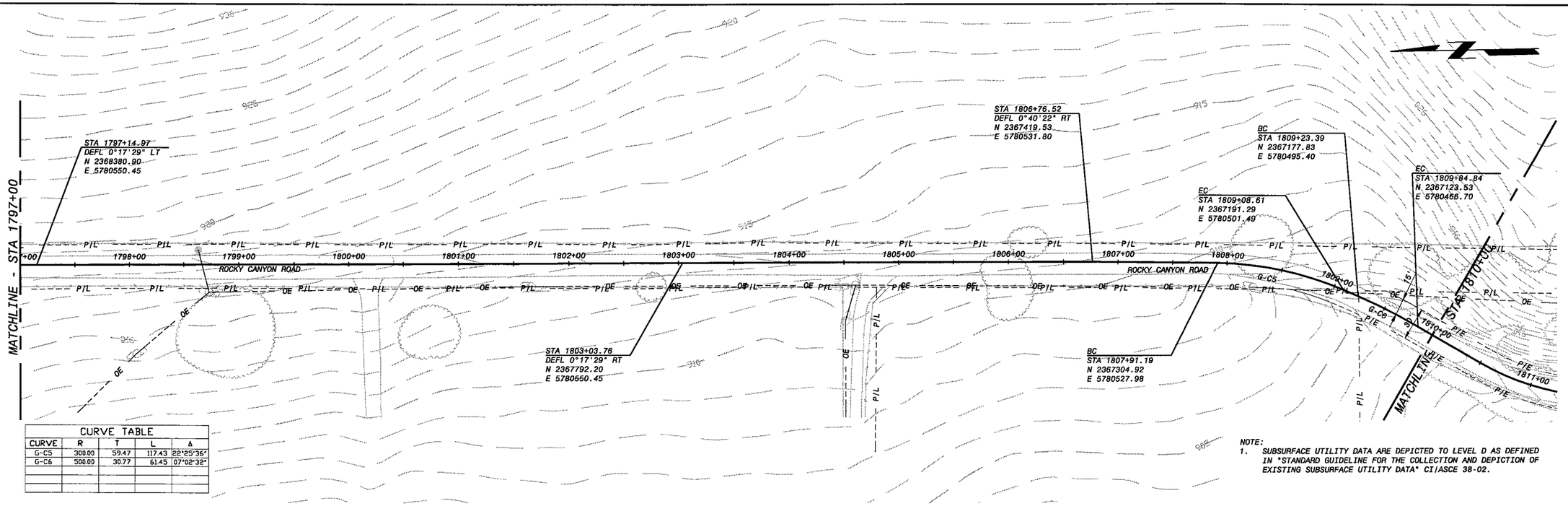
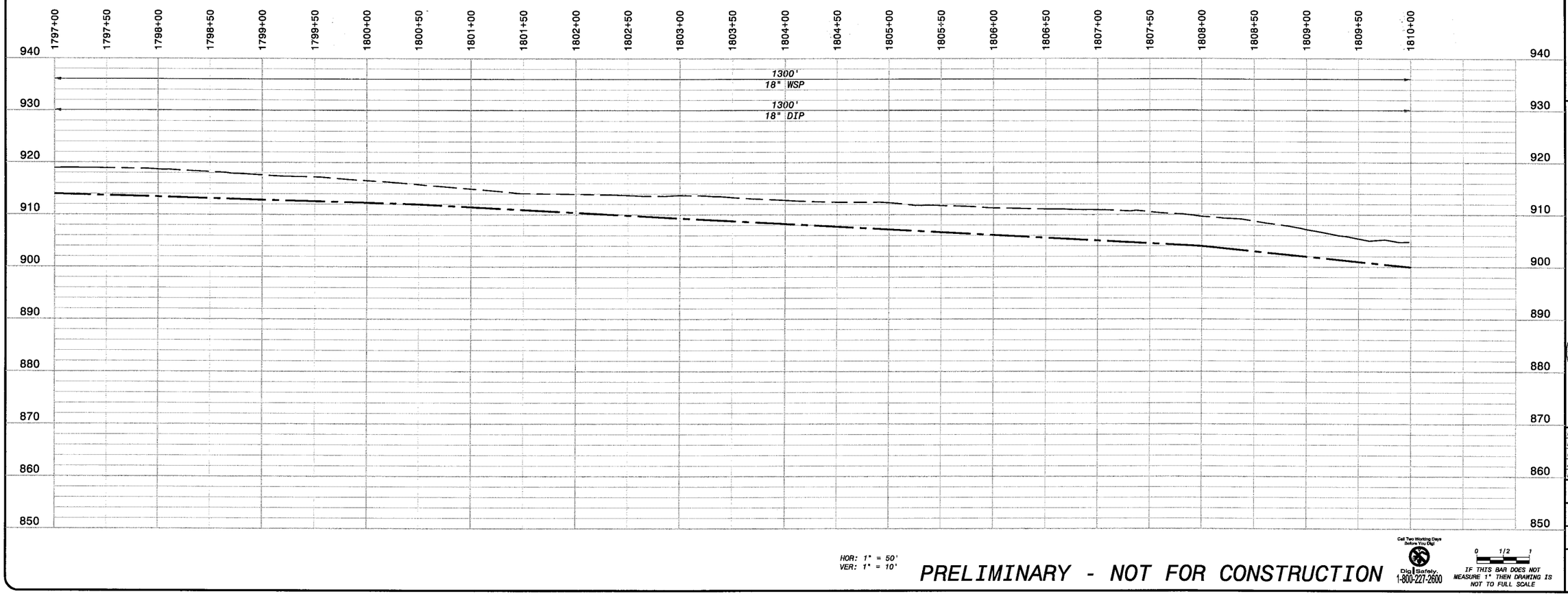


CURVE TABLE				
CURVE	R	T	L	Δ
G-C5	300.00	59.47	117.43	22°25'36"
G-C6	500.00	30.77	61.45	07°02'32"

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
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PLOTTED:
USER:
DWG VER: 1.1

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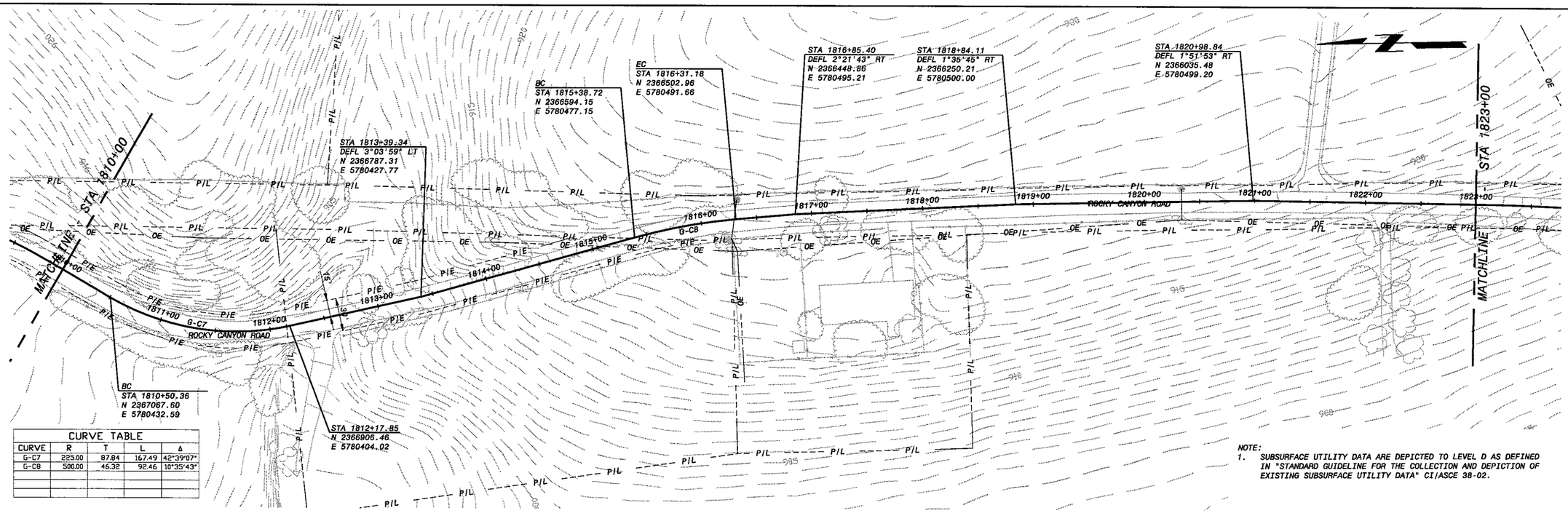
UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1797+00 TO 1810+00

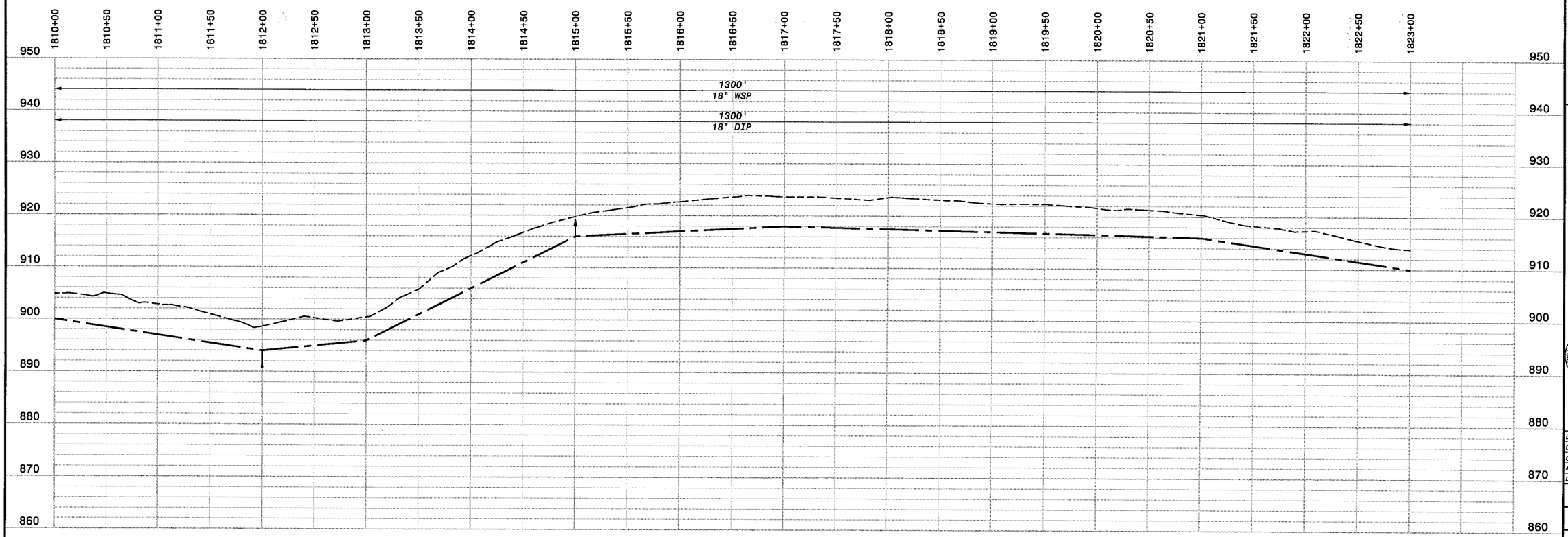
DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C102
SHEET	2 OF

FD137522
D137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C7	225.00	87.84	167.49	42°39'07"
G-C8	500.00	46.32	92.46	10°35'43"

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

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NO.	BY	CK	APP

DATE	REVISIONS AND RECORD OF ISSUE
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UNIT G - PIPELINE
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PLAN AND PROFILE STA 1810+00 TO 1823+00

DESIGNED:	
DETAILED:	
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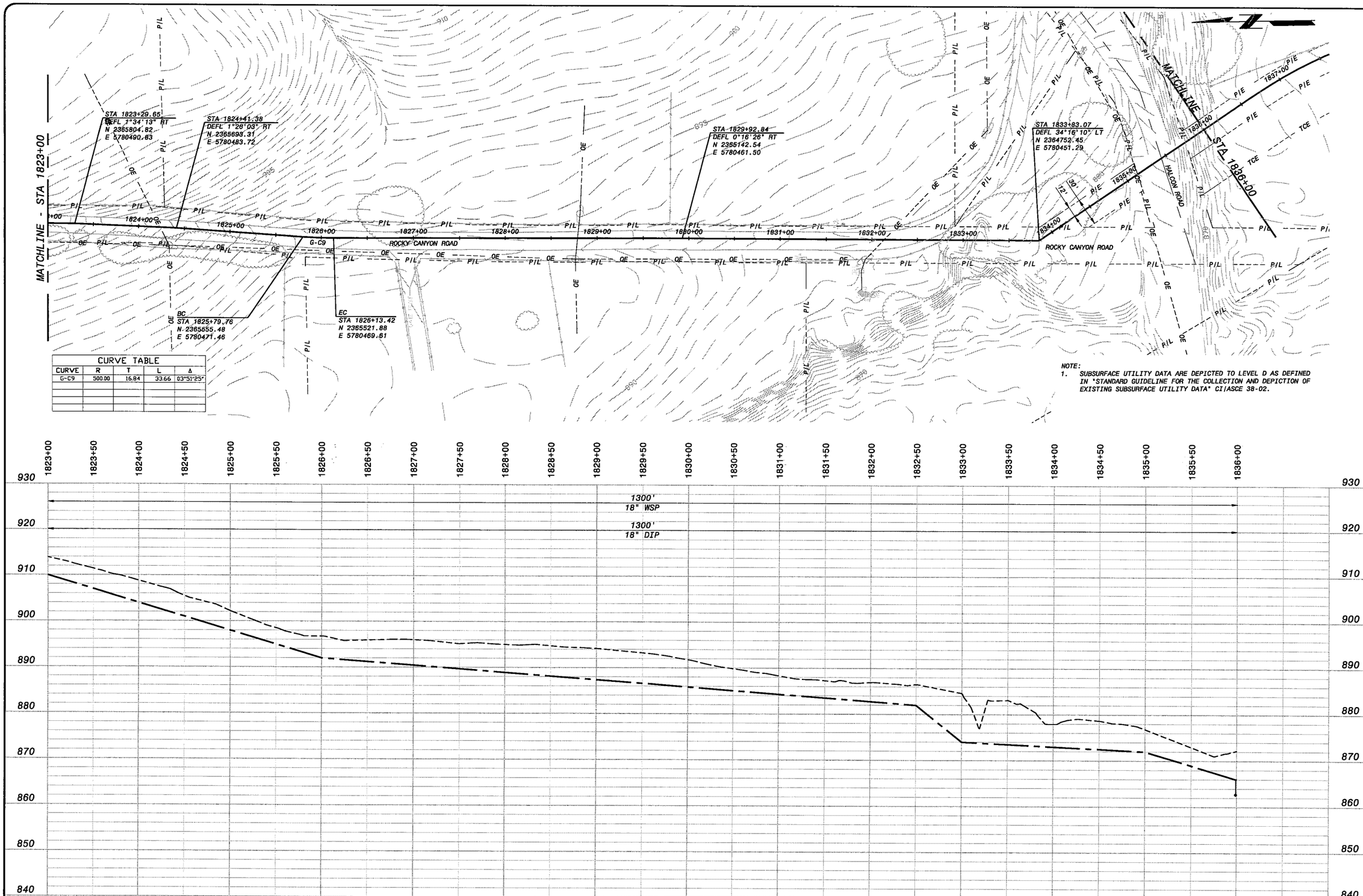
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
GP-C103	
SHEET	3 OF

FD137522
D137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C9	500.00	16.84	33.66	03°51'25"

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.

HOR: 1" = 50'
VER: 1" = 10'

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DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
02/01/2008	DRAFT FOR SUBMITTAL				

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SAVED:
PLOTTED:
USER:
DWG VER: 1.1

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XREF3: C-TOP031.dwg
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UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1823+00 TO 1836+00

DESIGNED:
DETAILED:
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DATE:

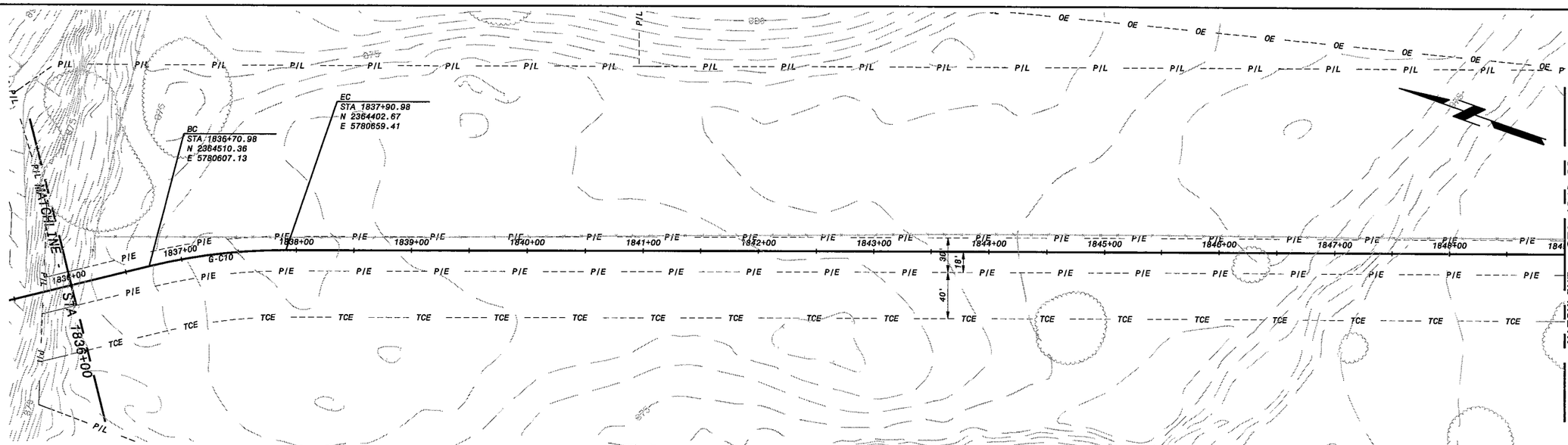
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
07

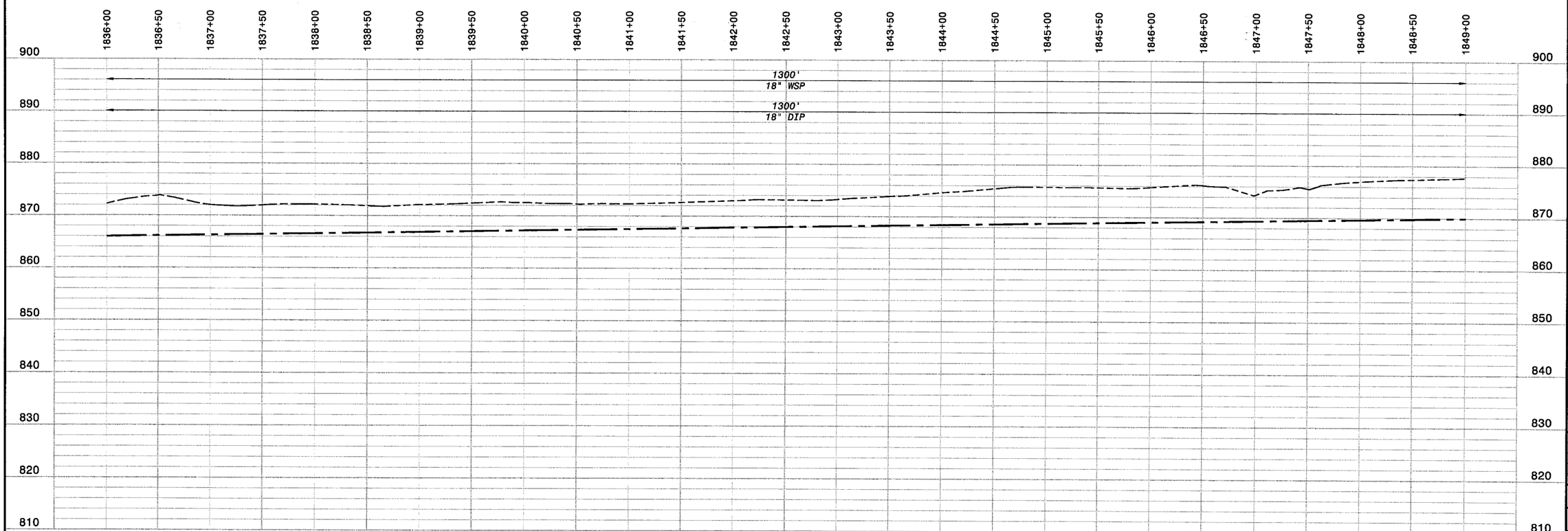
GP-C104
SHEET
4 OF

FD137522
D137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C10	500.00	60.29	120.00	13°45'06"
G-C11	500.00	37.00	73.86	08°27'49"

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

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DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
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DWG VER: 1.1
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XREF3: C-TOPO32.dwg
XREF4: BP7-C-VALN01.dwg
XREF5:

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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1836+00 TO 1849+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

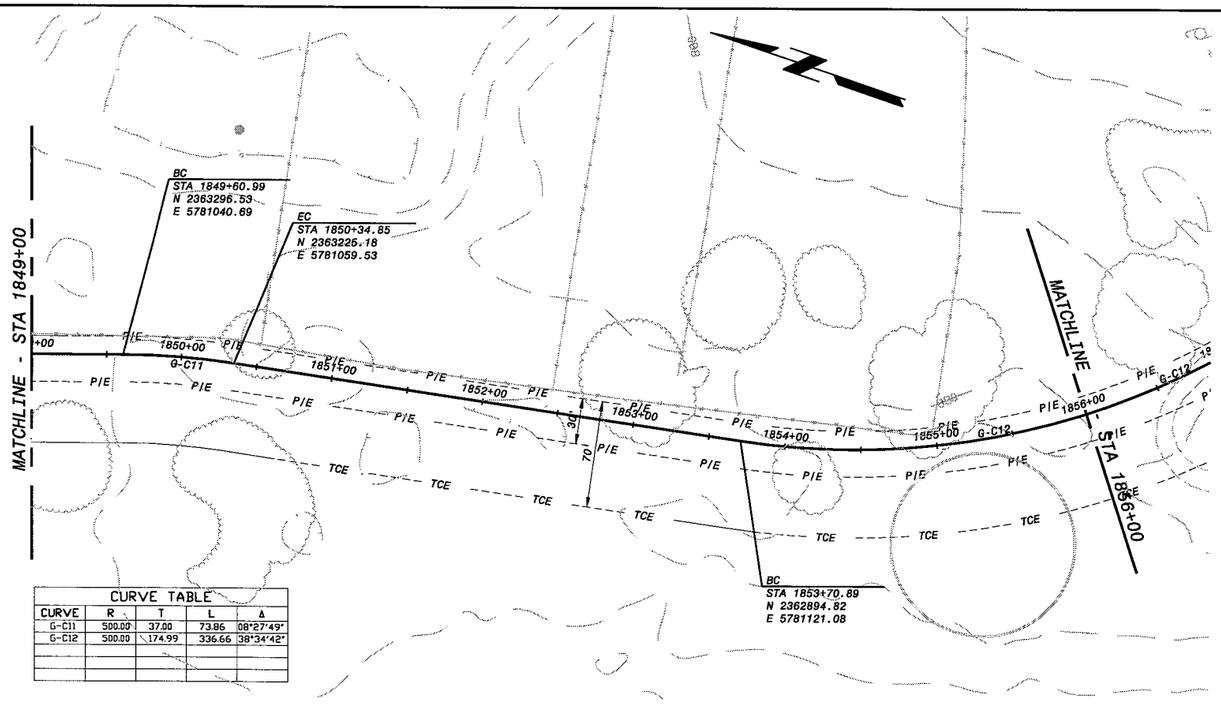
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
07

GP-C105
SHEET
5 OF

FD137522
D137522



CURVE TABLE				
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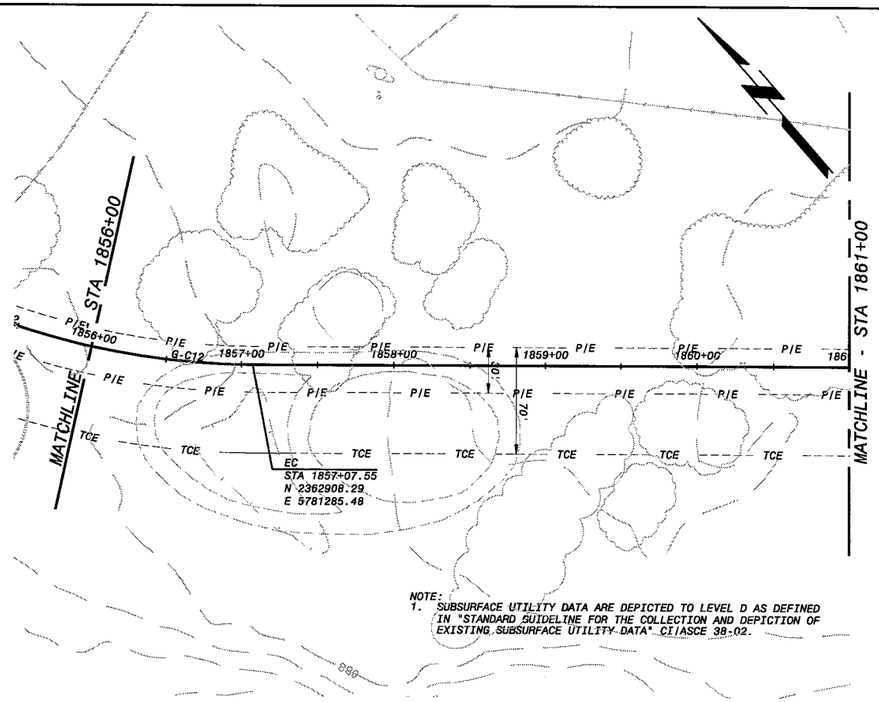
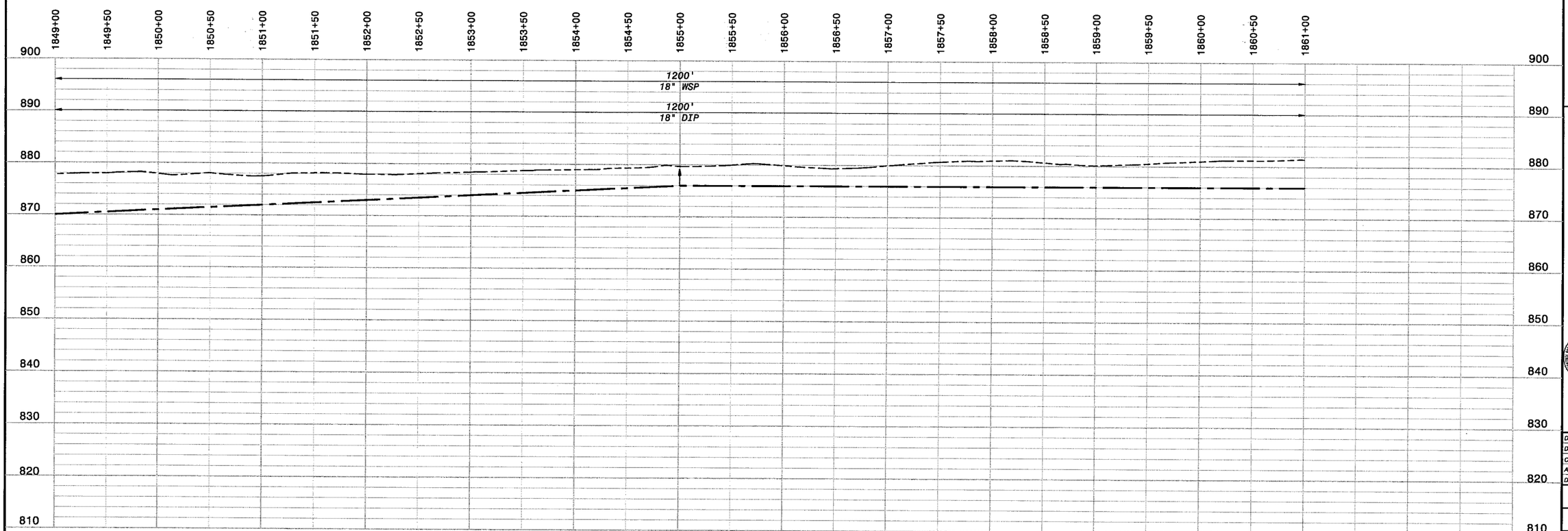
G-C12	500.00	174.99	336.66	38°34'42"



NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2008	DRAFT FOR SUBMITTAL

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PLOTTED:
USER:

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XREF2: C-TOPO32.dwg
XREF3: BP7-C-VALN01.dwg
XREF4: BP7-C-UTIL01.dwg
XREF5:
DWG VER: 1.1

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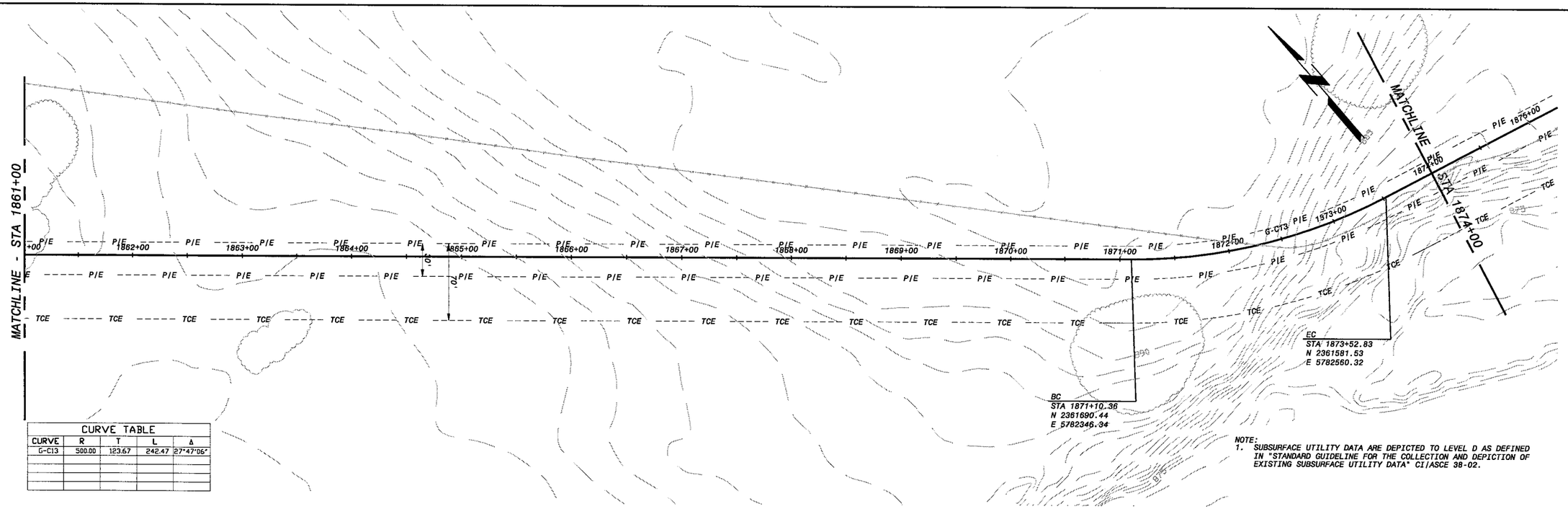
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1849+00 TO 1861+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C106
SHEET	6 OF

FD137522
D137522



CURVE TABLE				
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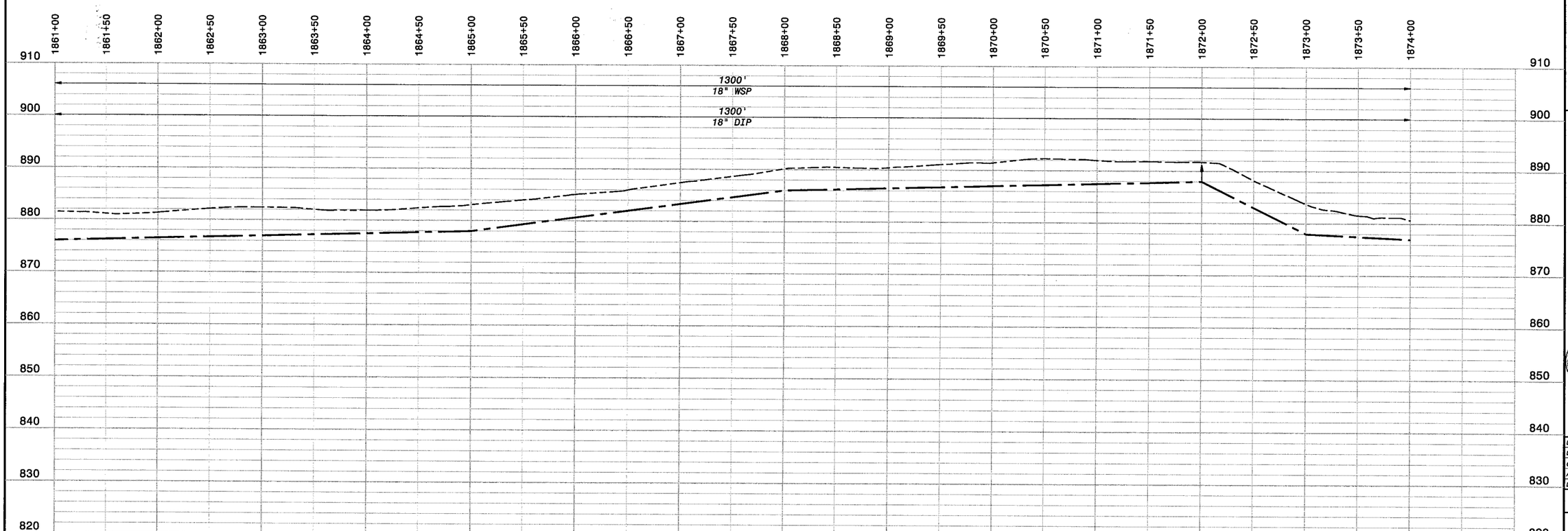

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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Dig Safely. 1-800-227-2600

0 1/2 1
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NO.	BY	CK	APP

02/01/2006 DRAFT FOR SUBMITTAL
DATE REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP7-
MF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1:BP7-C-HALN01.dwg
XREF2:C-TOPO32.dwg
XREF3:BP7-C-VALN01.dwg
XREF4:BP7-C-UTIL01.dwg
XREF5:
DWG VER: 1.1

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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1861+00 TO 1874+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

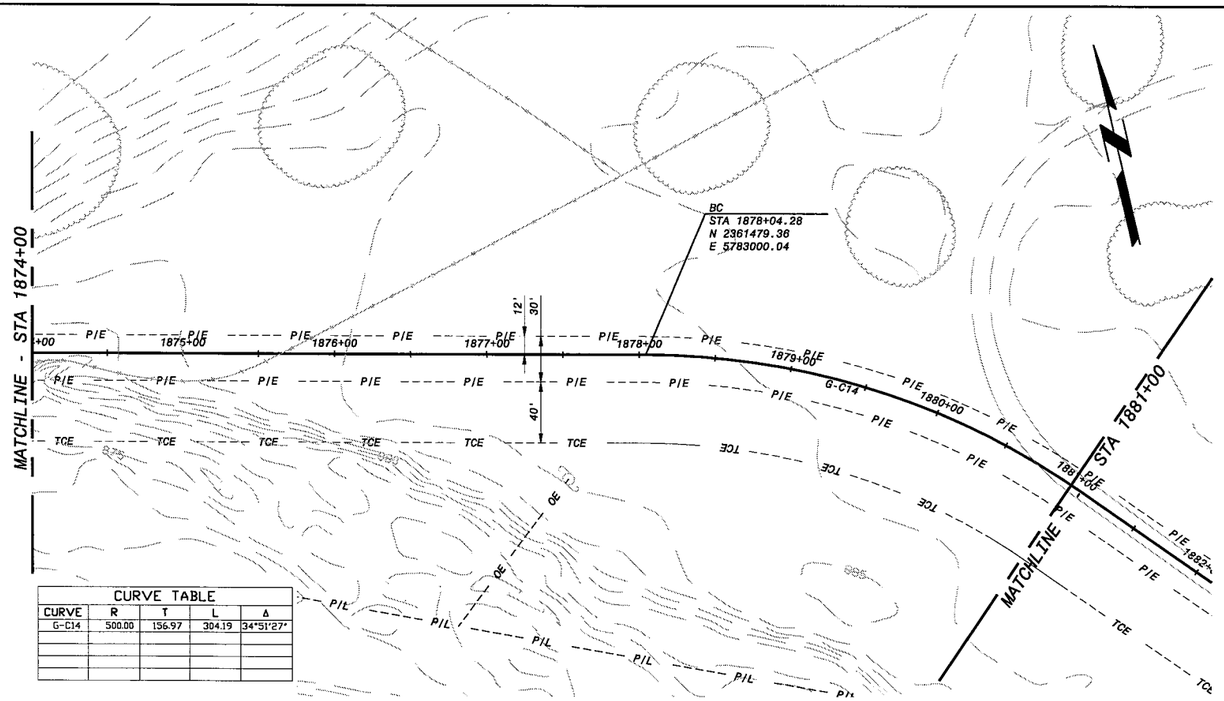
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
07

GP-C107
SHEET
7 OF

FD137522
D137522



CURVE TABLE				
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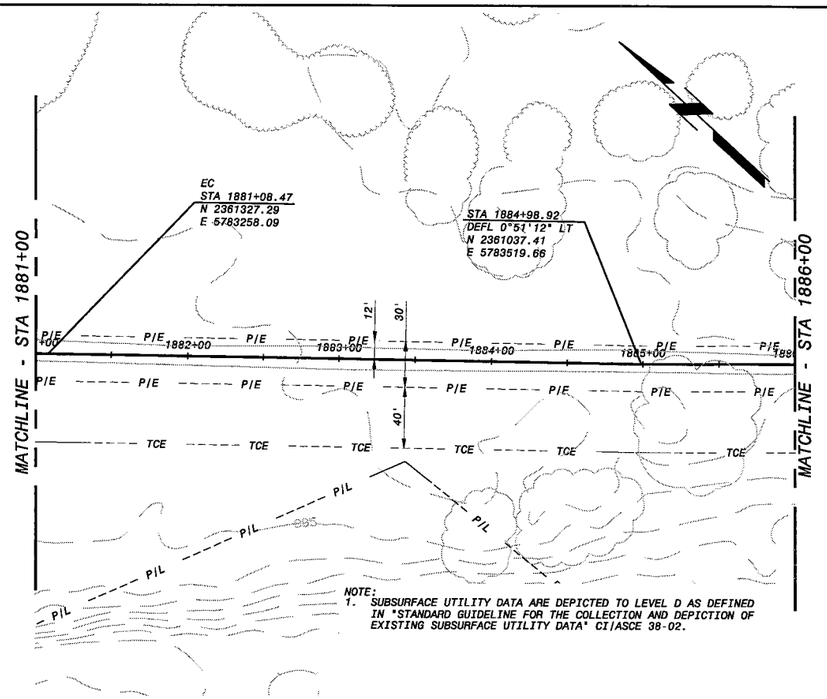
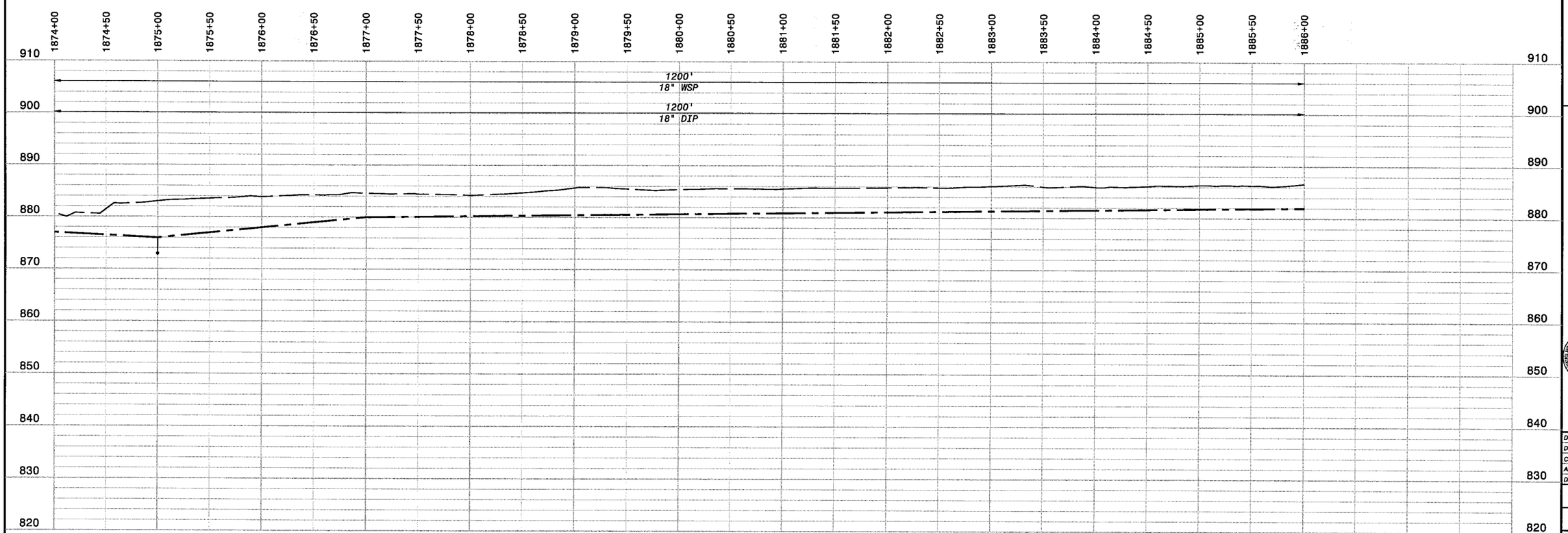
G-C14	500.00	156.97	304.19	34°51'27"



NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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1-800-227-2600

0 1/2 1
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NO.	BY	CK	APP

02/01/2006 DRAFT FOR SUBMITTAL
DATE REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1:BP7-C-HALN01.dwg
XREF2:C-TOPO32.dwg
XREF3:BP7-C-VALN01.dwg
XREF4:BP7-C-UTIL01.dwg
XREF5:
DWG VER: 1.1

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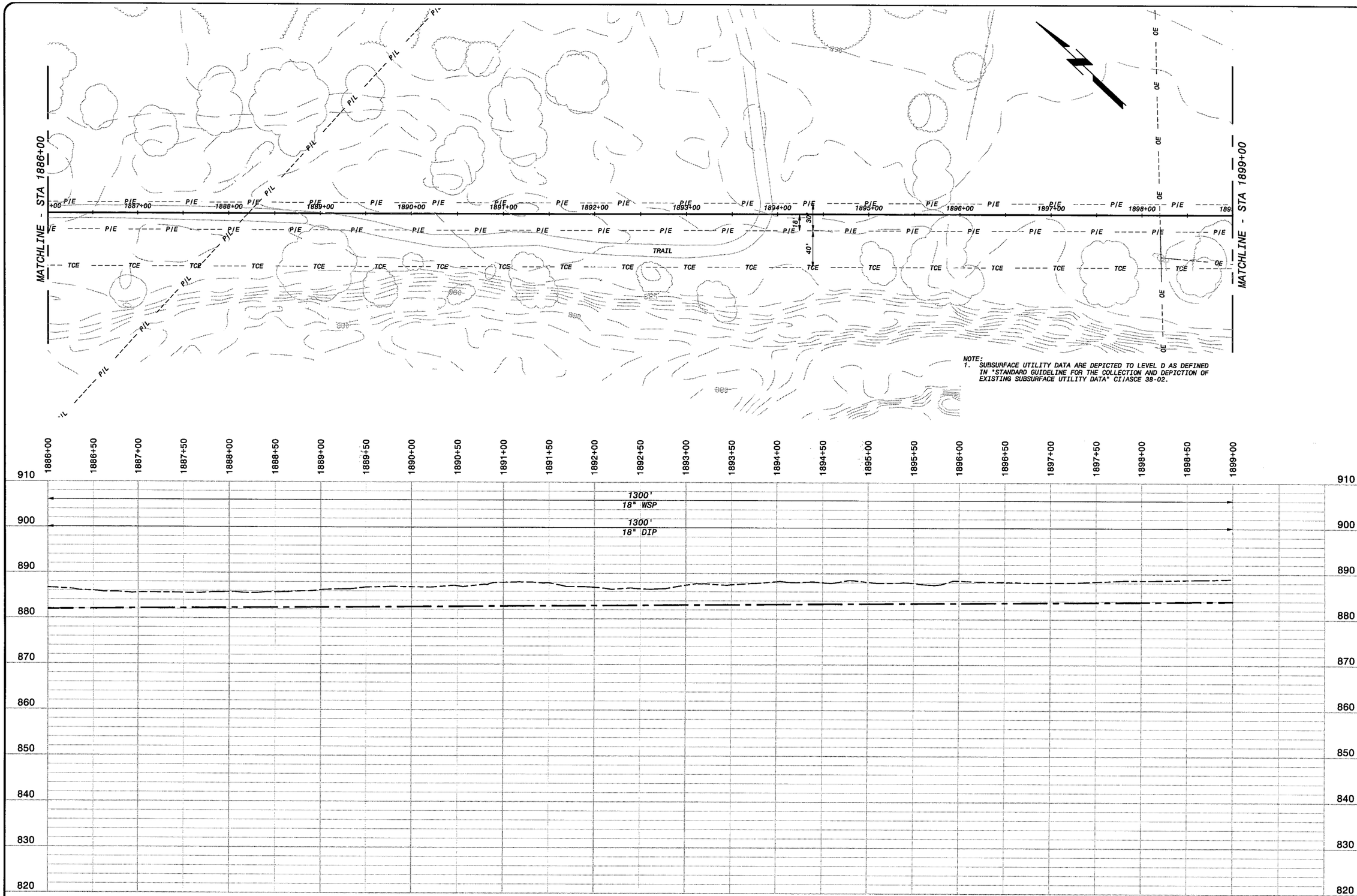
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1874+00 TO 1886+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C108
SHEET	8 OF

FD137522
D137522



NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
02/01/2008	DRAFT PDR SUBMITTAL				

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:
DWG VER: 1.1
XREF1: BP7-C-HALN01.dwg
XREF2: C-TOPO32.dwg
XREF3: BP7-C-VALN01.dwg
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XREF5: BP7-C-UTIL01.dwg

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San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1886+00 TO 1899+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

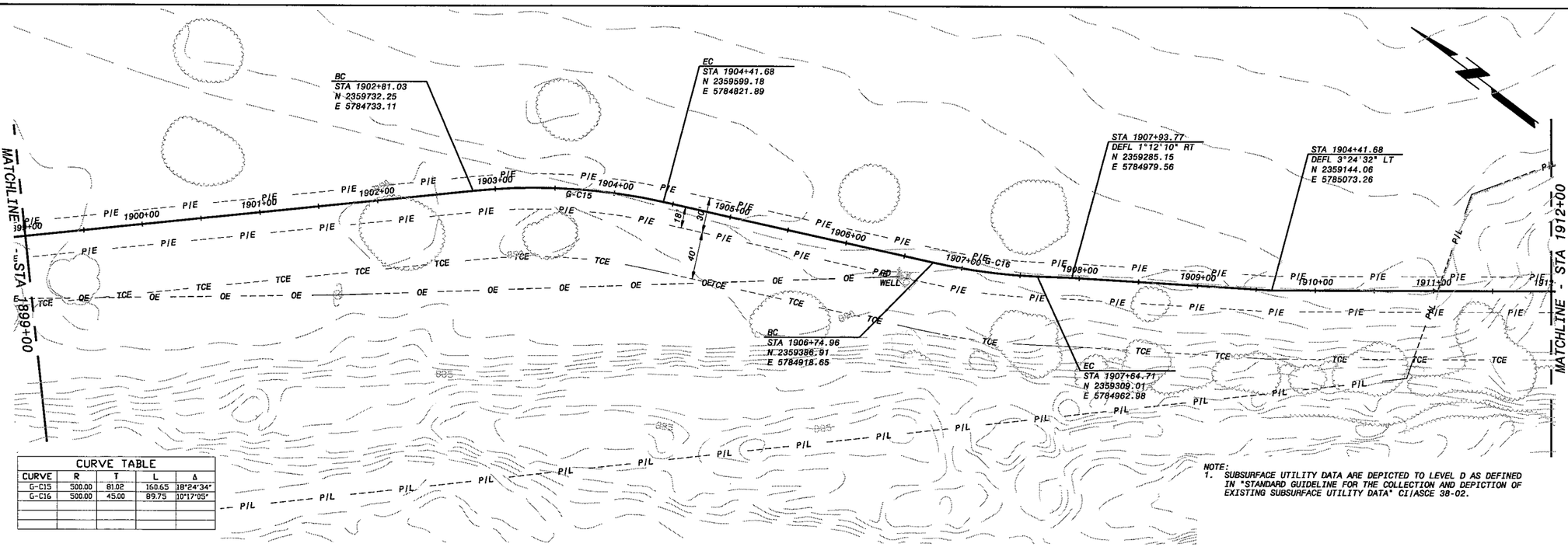
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
07

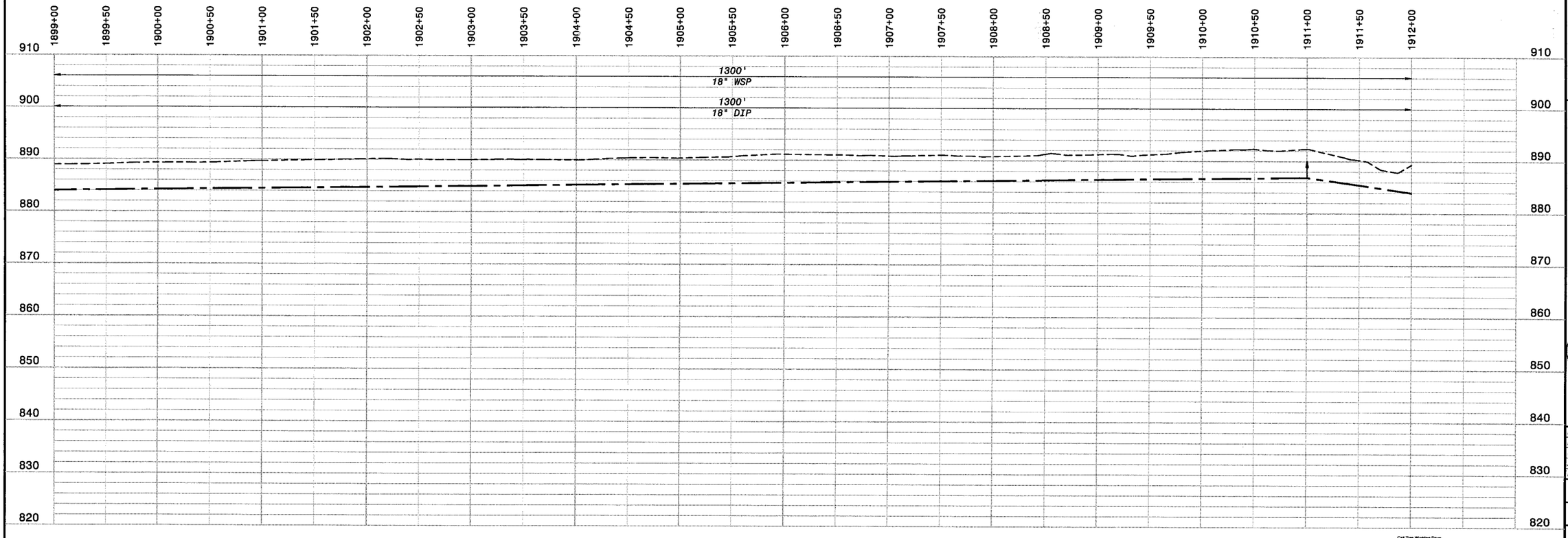
GP-C109
SHEET
9 OF

FD137522
D137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C15	500.00	81.02	160.65	18°24'34"
G-C16	500.00	45.00	89.75	10°17'05"

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

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NO.	BY	CK	APP	REVISIONS AND RECORD OF ISSUE
				02/01/2008 DRAFT FOR SUBMITTAL

DATE:
CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1:BP7-C-HALN01.dwg
XREF2:C-TOP032.dwg
XREF3:BP7-C-VALN01.dwg
XREF4:C-TOP033.dwg
XREF5:BP7-C-UTIL01.dwg
DWG VER: 1.1

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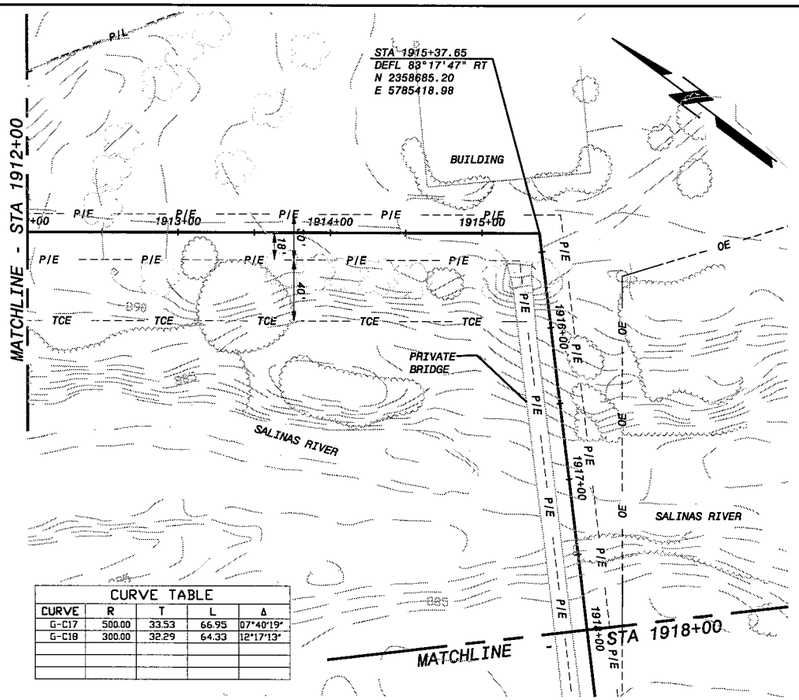
NWP NACIMIENTO WATER PROJECT
Joint Use Pipeline Project Owned and Operated by Nacimiento Water Conservation District

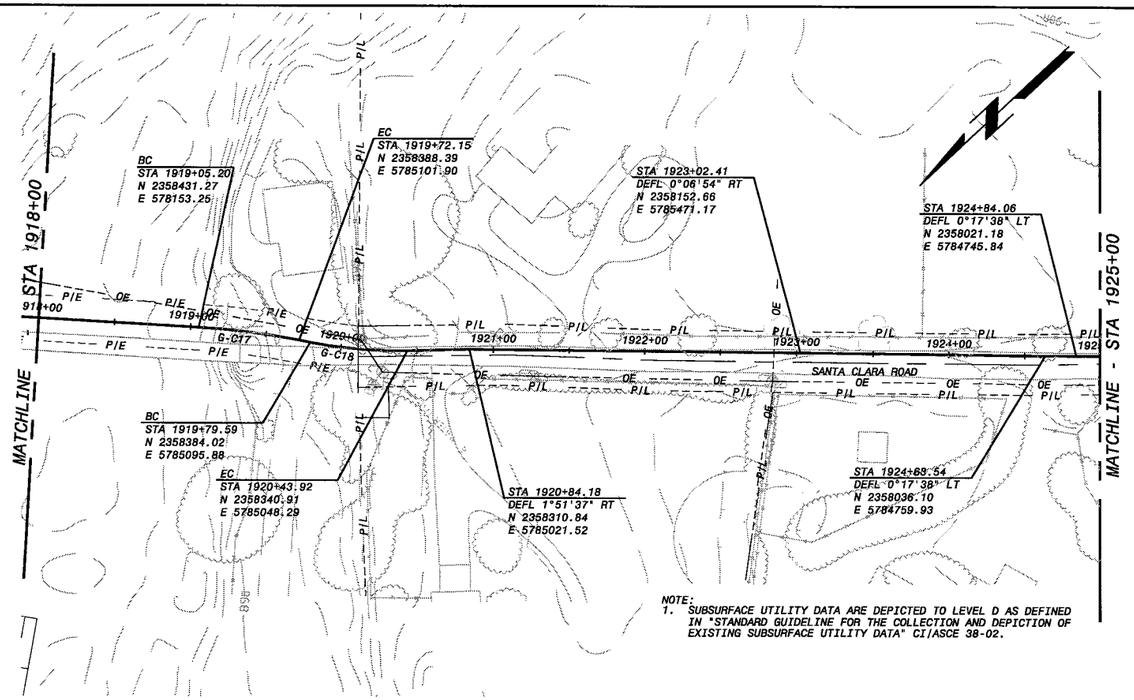
UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1899+00 TO 1912+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C110
SHEET	10 OF

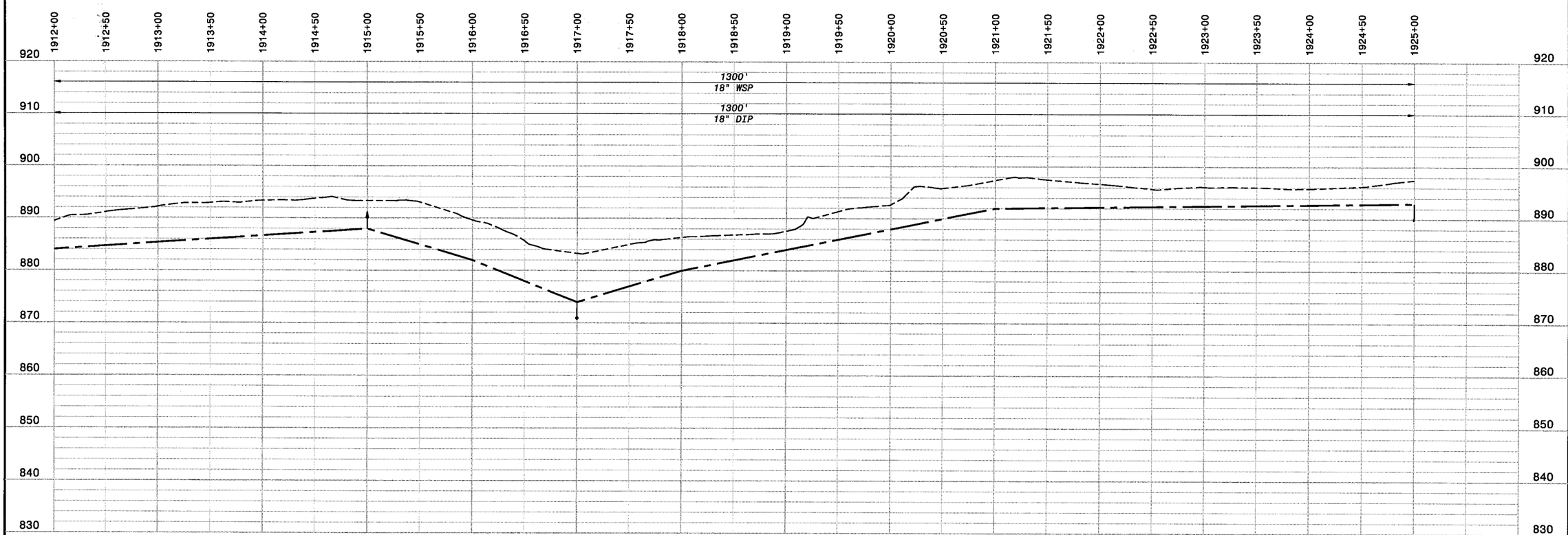
FD137522
D137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C17	500.00	33.53	66.95	07°40'19"
G-C18	300.00	32.29	64.33	12°17'13"



NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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NO.	BY	CK	APP

REVISIONS AND RECORD OF ISSUE

02/01/2008 DRAFT FOR SUBMITTAL

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CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:
DWG VER: 1.1

XREF1: BP7-C-HALN01.dwg
XREF2: C-TOPO33.dwg
XREF3: BP7-C-VALN01.dwg
XREF4: BP7-C-UTIL01.dwg
XREF5:

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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1912+00 TO 1925+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

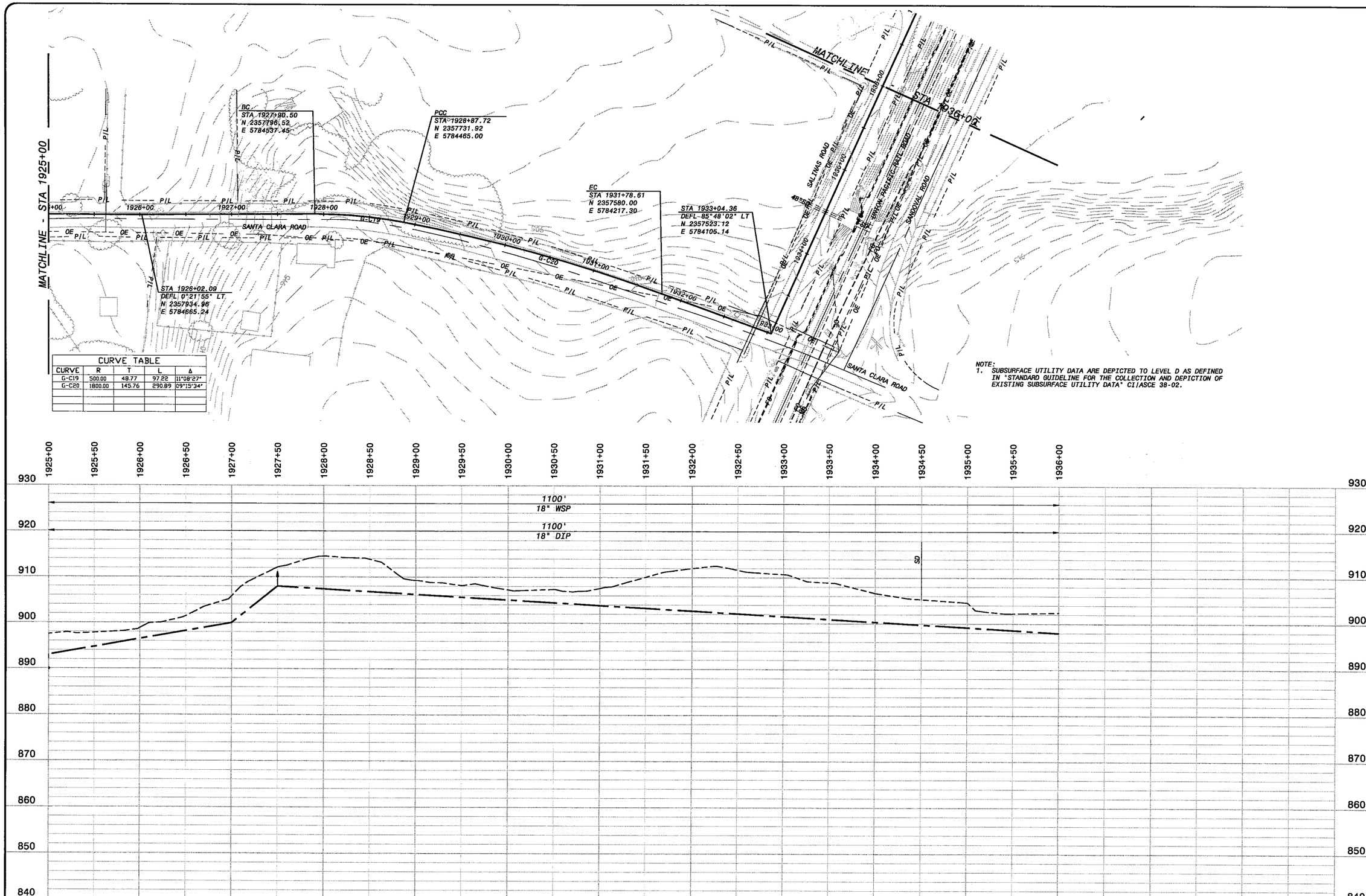
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
07

GP-C111
SHEET
11 OF

FD137522
D137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C19	500.00	48.77	97.22	11°08'27"
G-C20	1800.00	145.76	290.89	09°15'34"

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.

HOR: 1" = 50'
VER: 1" = 10'

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DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
02/01/2006	DRAFT PDR SUBMITTAL				

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:
DWG VER: 1.1
XREF1: BP7-C-HALN01.dwg
XREF2: C-TOPO33.dwg
XREF3: BP7-C-VALN01.dwg
XREF4: BP7-C-UTIL01.dwg
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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1925+00 TO 1936+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

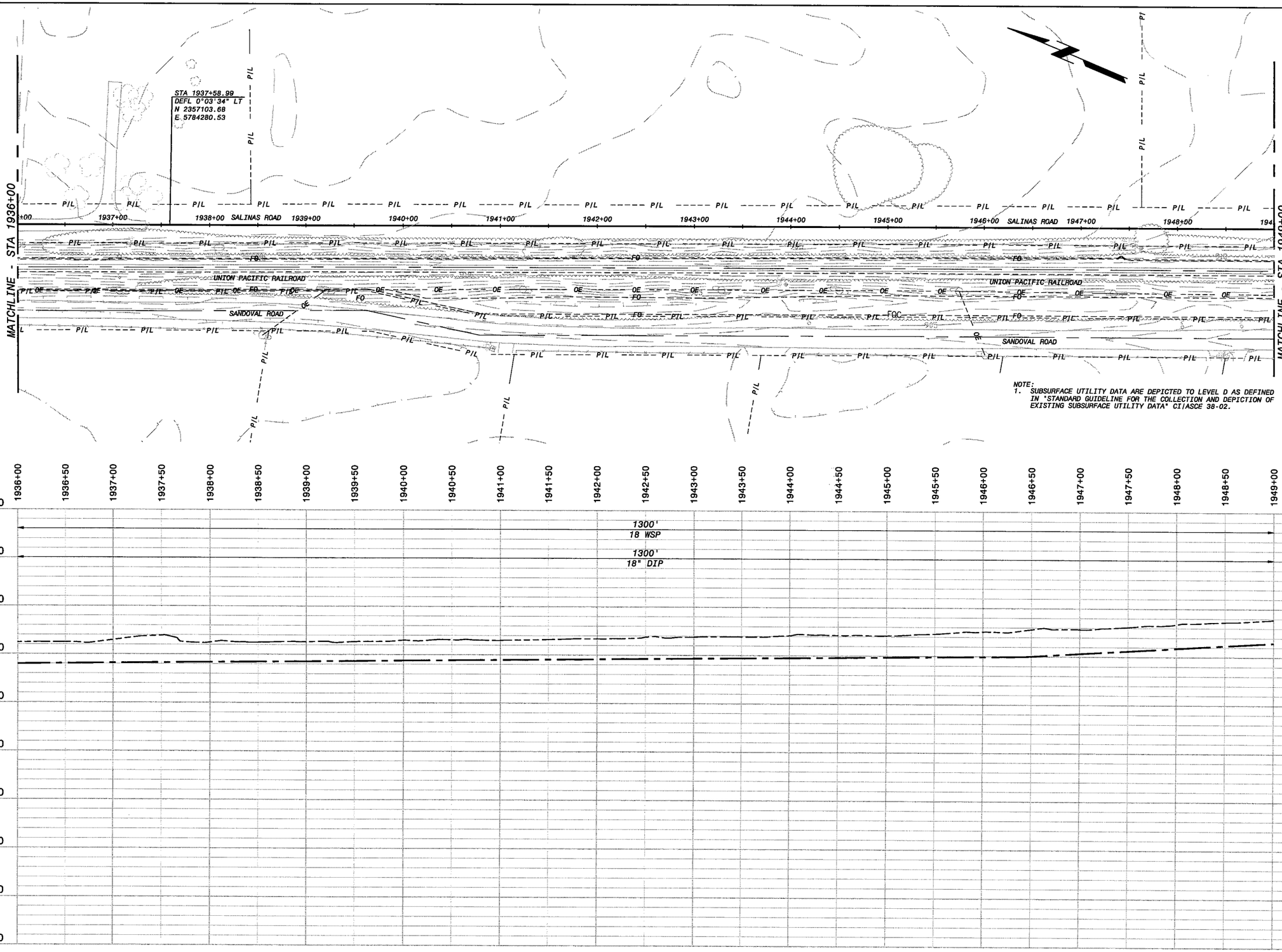
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
07

GP-C112
SHEET
12 OF

FD137522
D137522



NOTE:
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HOR: 1" = 50'
VER: 1" = 10'

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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2008	DRAFT PDR SUBMITTAL

CYGNET ID: 137522-C-BP7-
XREF1:BP7-C-HALN01.dwg
WF: BP7-GP-C101.dwg
XREF2:C-TOP033.dwg
SAVED:
XREF3:BP7-C-VALN01.dwg
PLOTTED:
XREF4:BP7-C-UTIL01.dwg
USER:
XREF5:
DWG VER: 1.1

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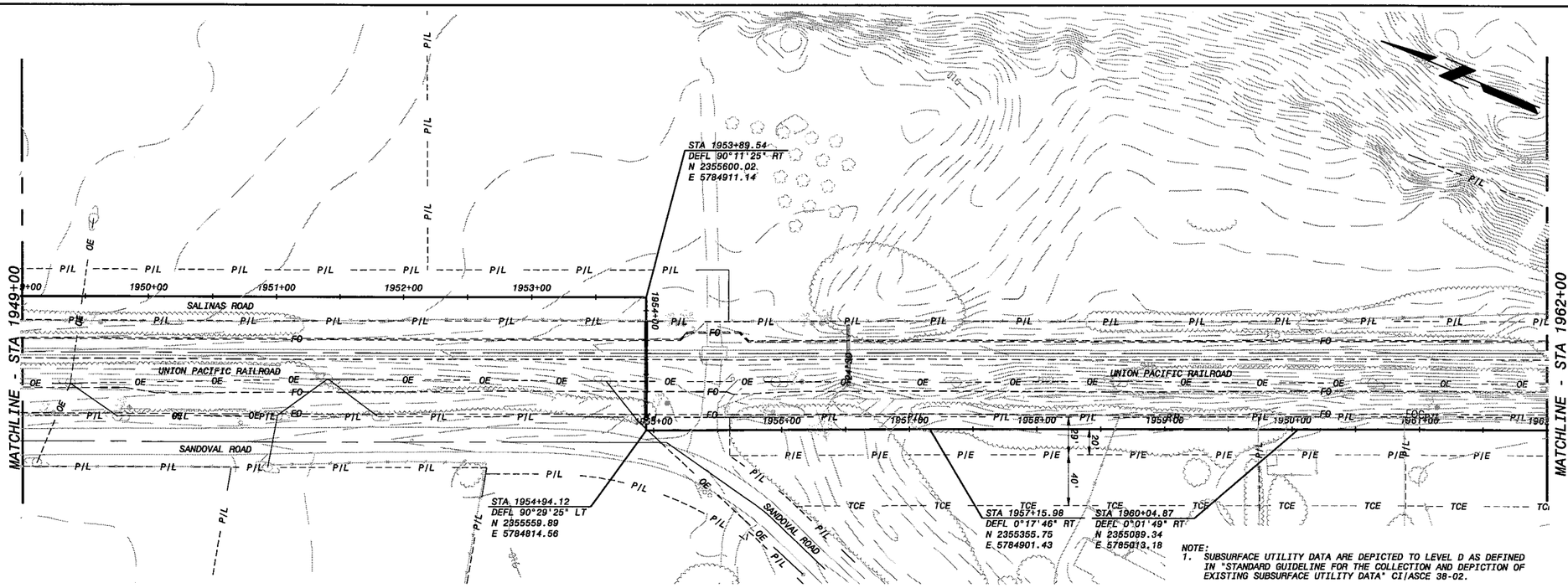
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1936+00 TO 1949+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C113
SHEET	13 OF

FD137522
D137522



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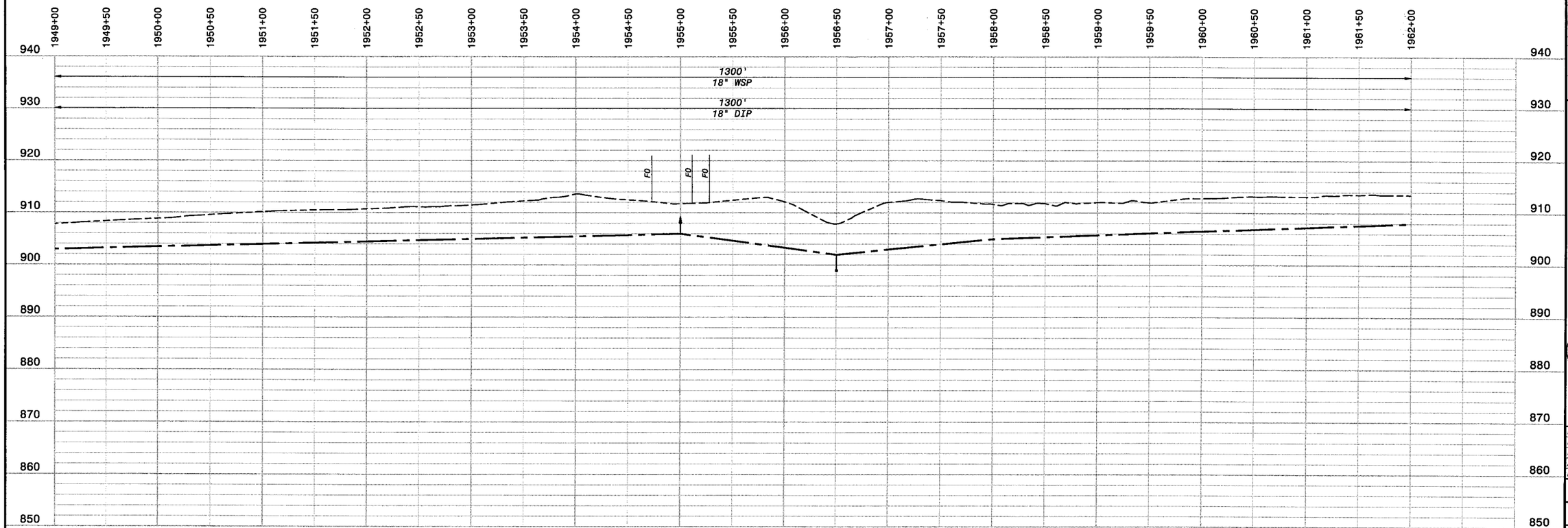

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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

NO.	BY	CK.	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2008	DRAFT PDR SUBMITTAL

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1:BP7-C-HALN01.dwg
XREF2:C-TOP033.dwg
XREF3:BP7-C-VALN01.dwg
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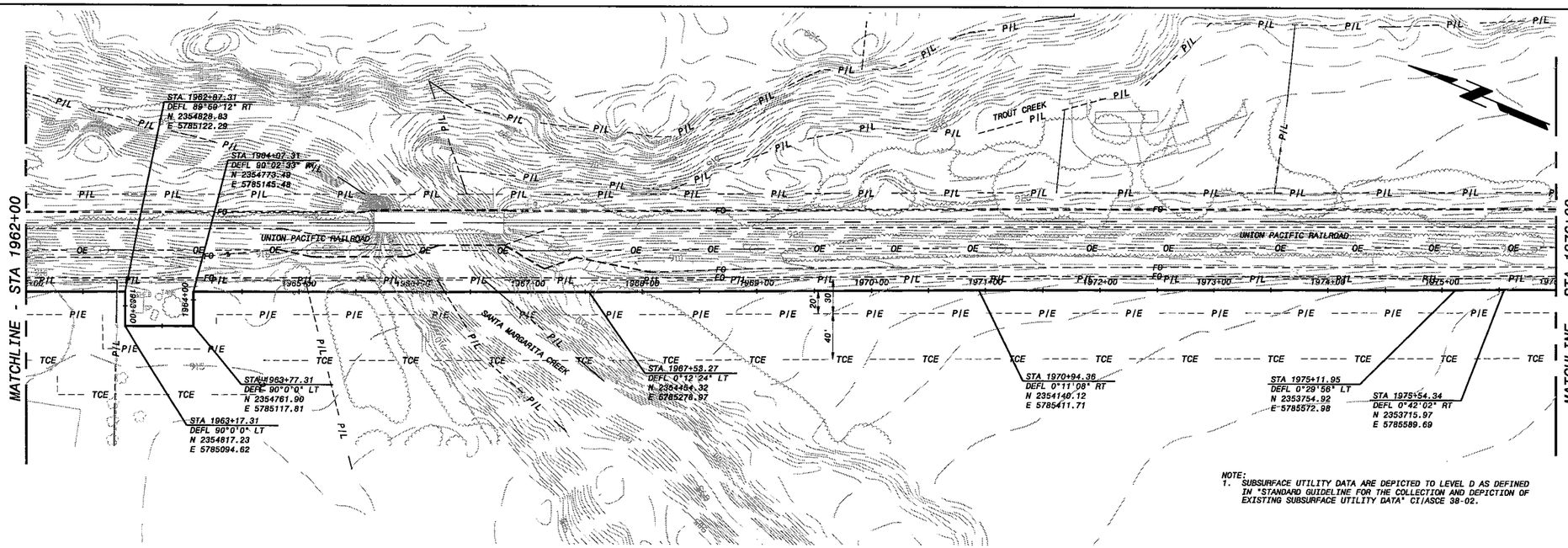
UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1949+00 TO 1962+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C114
SHEET	14 OF

FD137522
D137522



NOTE:
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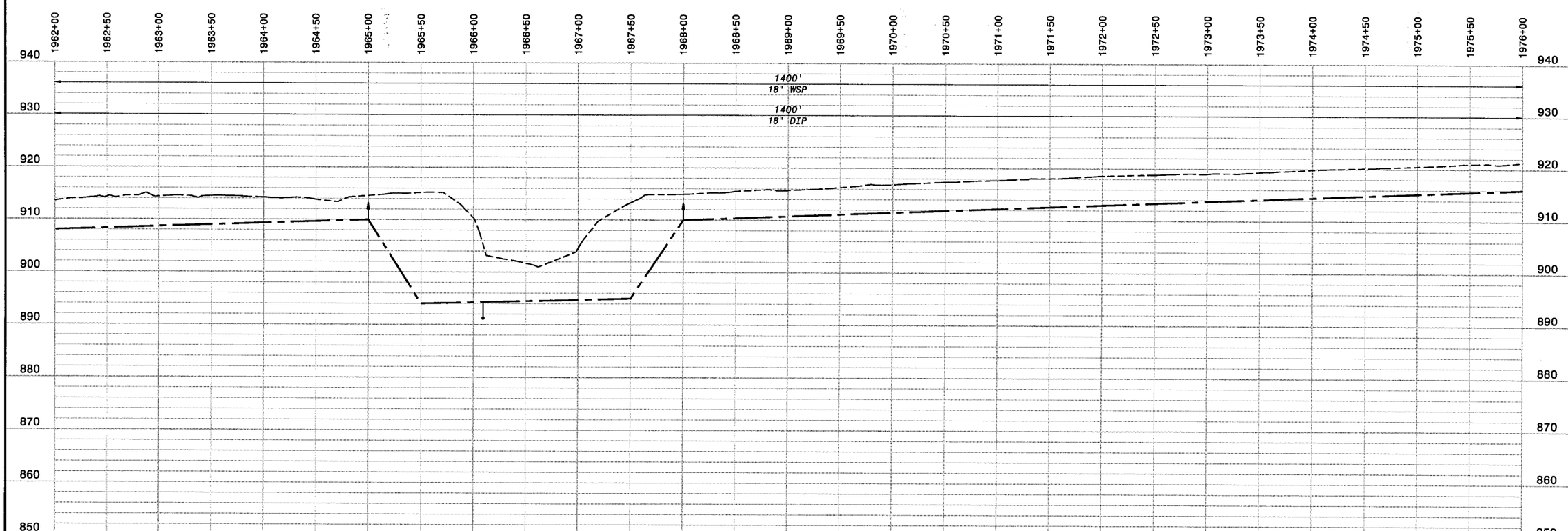

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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NO.	BY	CK	APP

02/01/2006 DRAFT FOR SUBMITTAL

DATE REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP7-

XREF1:BP7-C-VALN01.dwg
XREF2:BP7-C-VALN01.dwg
XREF3:C-TOPO34.dwg
XREF4:BP7-C-UTIL01.dwg
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DWG VER: 1.1

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San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1962+00 TO 1976+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

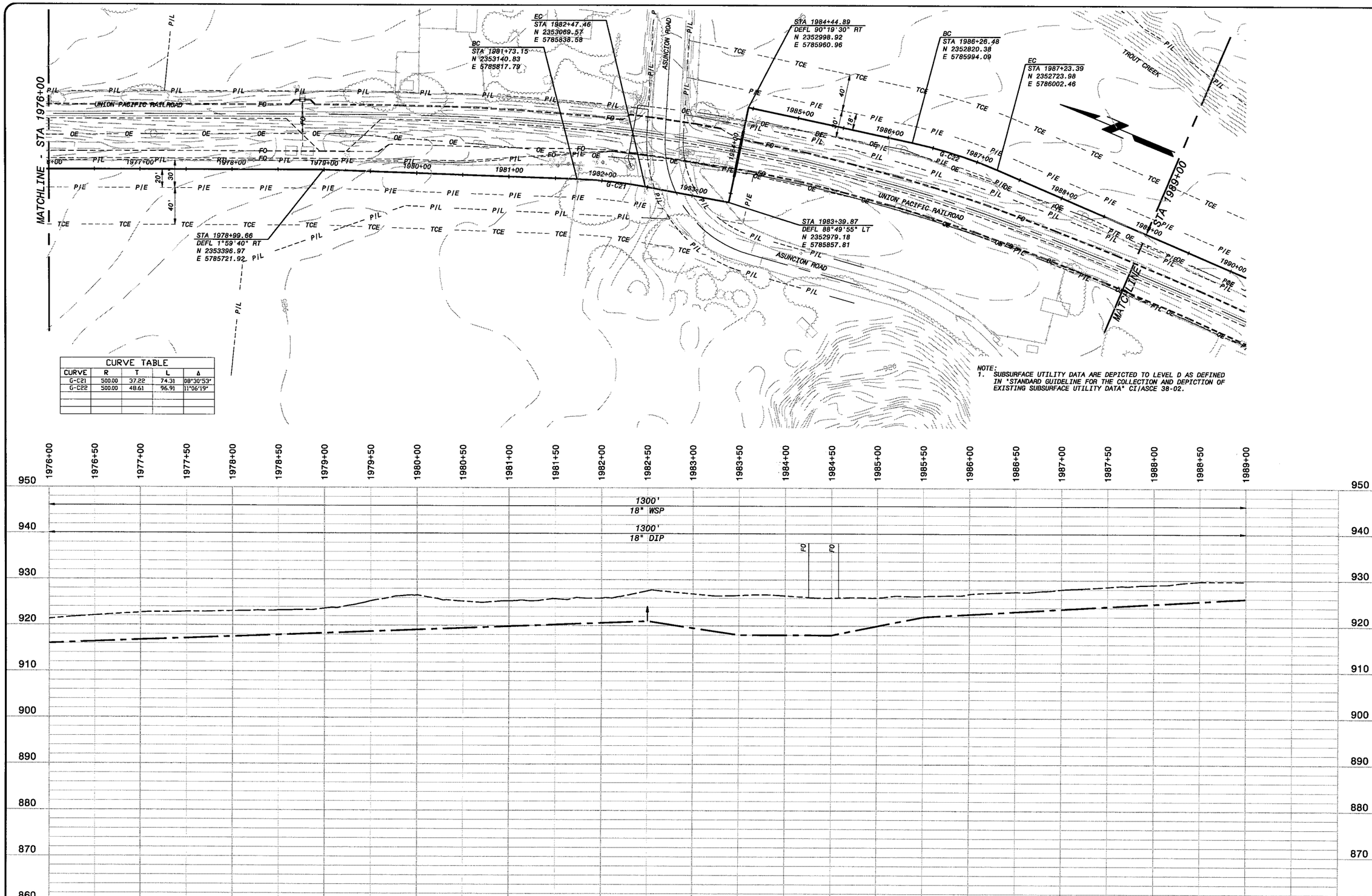
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
07

GP-C115
SHEET
15 OF

FD137522
D137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C21	500.00	37.22	74.31	08°30'53"
G-C22	500.00	48.61	96.91	11°06'19"

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.

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VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
02/01/2006	DRAFT FOR SUBMITTAL				

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:
XREF1: BP7-C-HALN01.dwg
XREF2: BP7-C-VALN01.dwg
XREF3: C-TOPO34.dwg
XREF4: BP7-C-UTIL01.dwg
XREF5:
DWG VER: 1.1

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San Luis Obispo County, Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1976+00 TO 1989+00

DESIGNED:
DETAILED:
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APPROVED:
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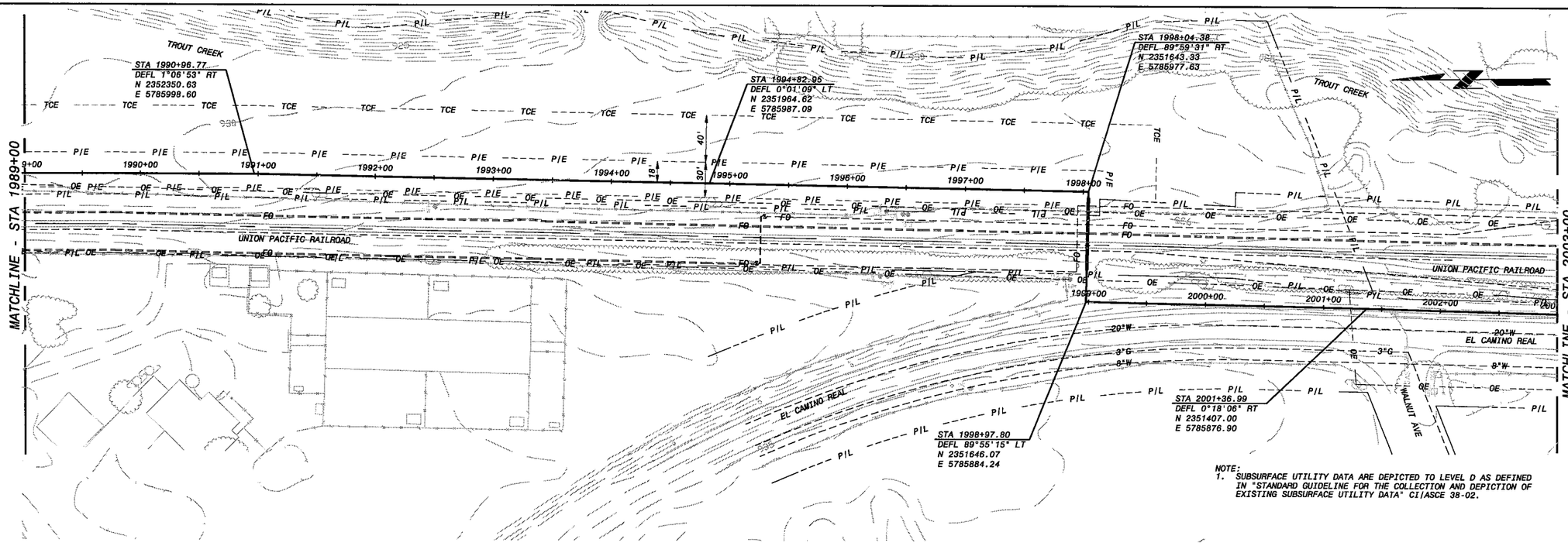
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
07

GP-C116
SHEET
16 OF

FD137522
D137522



NOTE:
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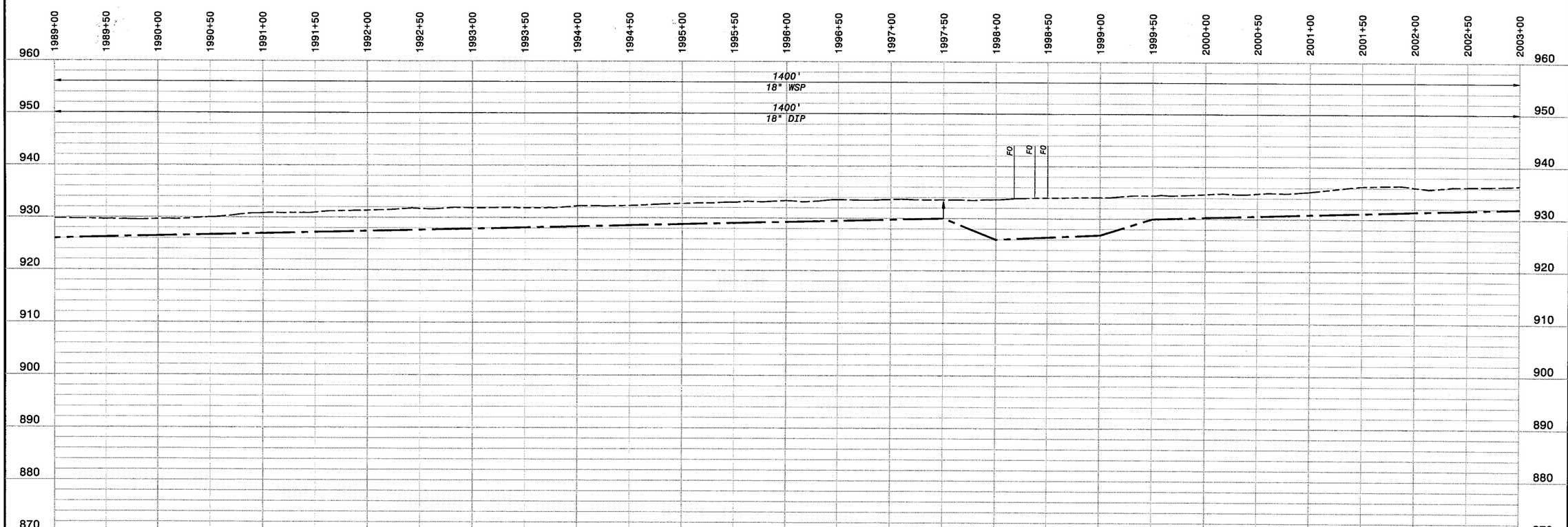

HOR: 1" = 50'
VER: 1" = 10'

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

NO.	BY	CK	APP

02/01/2008 DRAFT PDR SUBMITTAL
DATE REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
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USER:

XREF1:BP7-C-HALN01.dwg
XREF2:BP7-C-VALN01.dwg
XREF3:C-TOPO34.dwg
XREF4:BP7-C-UTIL01.dwg
XREF5:
DWG VER: 1.1

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ENERGY WATER INFORMATION GOVERNMENT

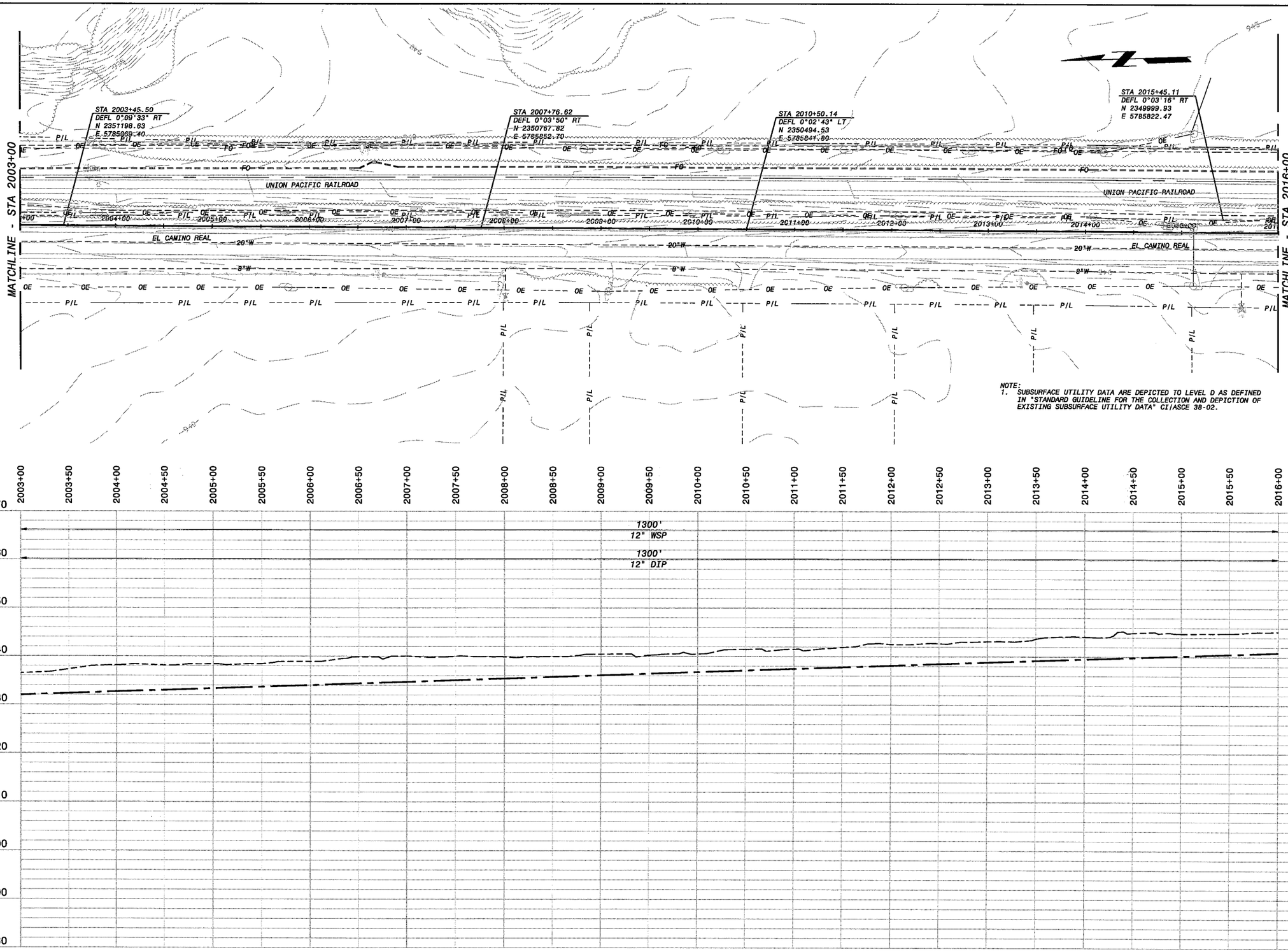
BOYLE
ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 1989+00 TO 2003+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C117
SHEET	17 OF

FD137522
D137622



NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely.
1-800-227-2600

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

NO.	BY	CK	APP

02/01/2008 DRAFT PDR SUBMITTAL

DATE REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP7-
W:\BP7_GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1:BP7-C-HALN01.dwg
XREF2:BP7-C-VALN01.dwg
XREF3:C-TOP034.dwg
XREF4:BP7-C-UTIL01.dwg
XREF5:C-TOP035.dwg
DWG VER: 1.1

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ENERGY WATER INFORMATION GOVERNMENT

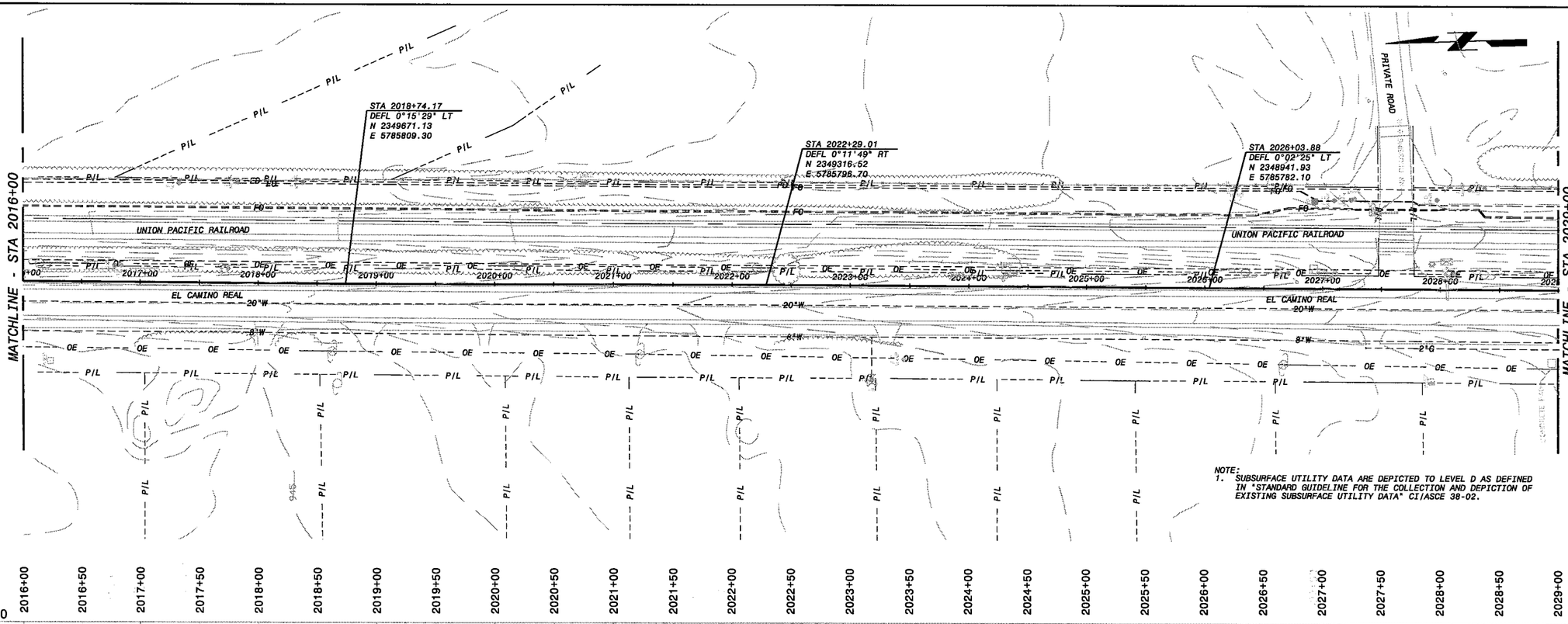
BOYLE ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT
Joint Labor / Design Teams (Hood Contract & Water Conservation Teams)

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2003+00 TO 2016+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C118
SHEET	18 OF

FD137522
D137522



NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2008	DRAFT FOR SUBMITTAL

CYGNET ID: 137522-C-BP7-
MF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1:BP7-C-HALN01.dwg
XREF2:BP7-C-VALN01.dwg
XREF3:BP7-C-UTIL01.dwg
XREF4:C-TOP035.dwg
XREF5:

DMS VER: 1.1

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BOYLE ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT
Joint Use Pipeline System, Phase 1 and Phase 2, Water Treatment Plant, and Improvements to Phase 1

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2016+00 TO 2029+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C119
SHEET	19 OF

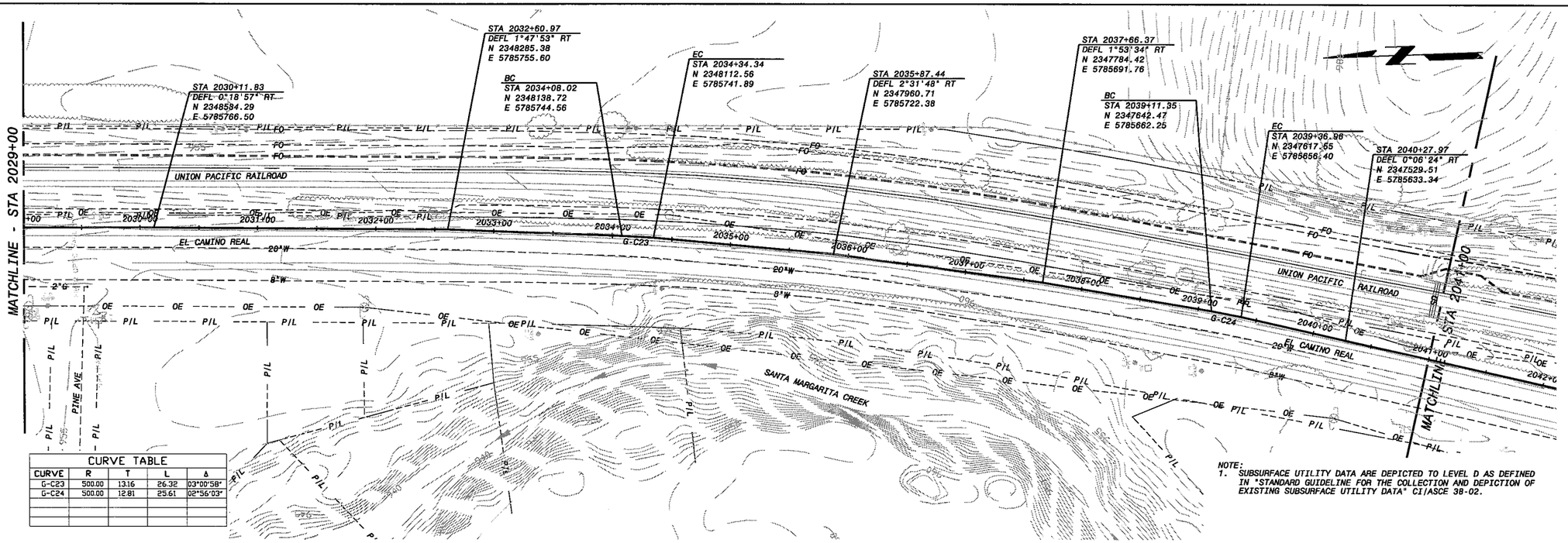
HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely. 1-800-227-2600

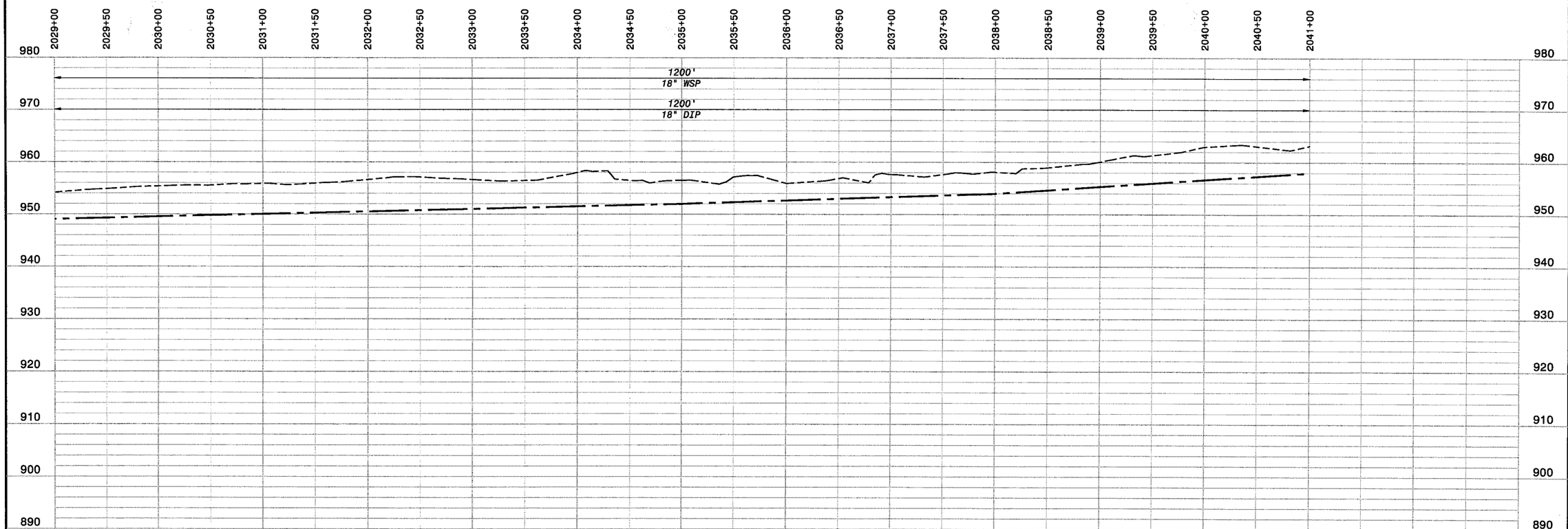
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

FD137522
D137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C23	500.00	13.16	26.32	03°00'58"
G-C24	500.00	12.81	25.61	02°56'03"

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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1-800-227-2600

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

NO.	BY	CK	APP

02/01/2008 DRAFT FOR SUBMITTAL

DATE REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1:BP7-C-HALN01.dwg
XREF2:BP7-C-VALN01.dwg
XREF3:BP7-C-UTIL01.dwg
XREF4:C-TOP035.dwg
XREF5:

DWG VER: 1.1

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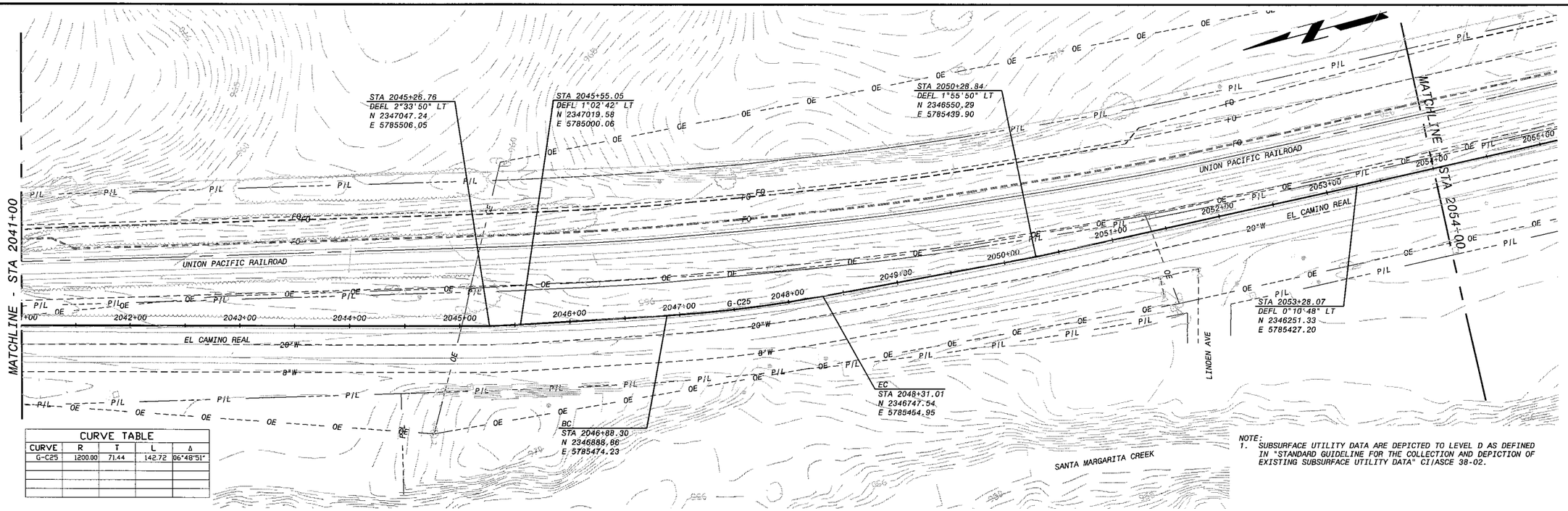
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2029+00 TO 2041+00

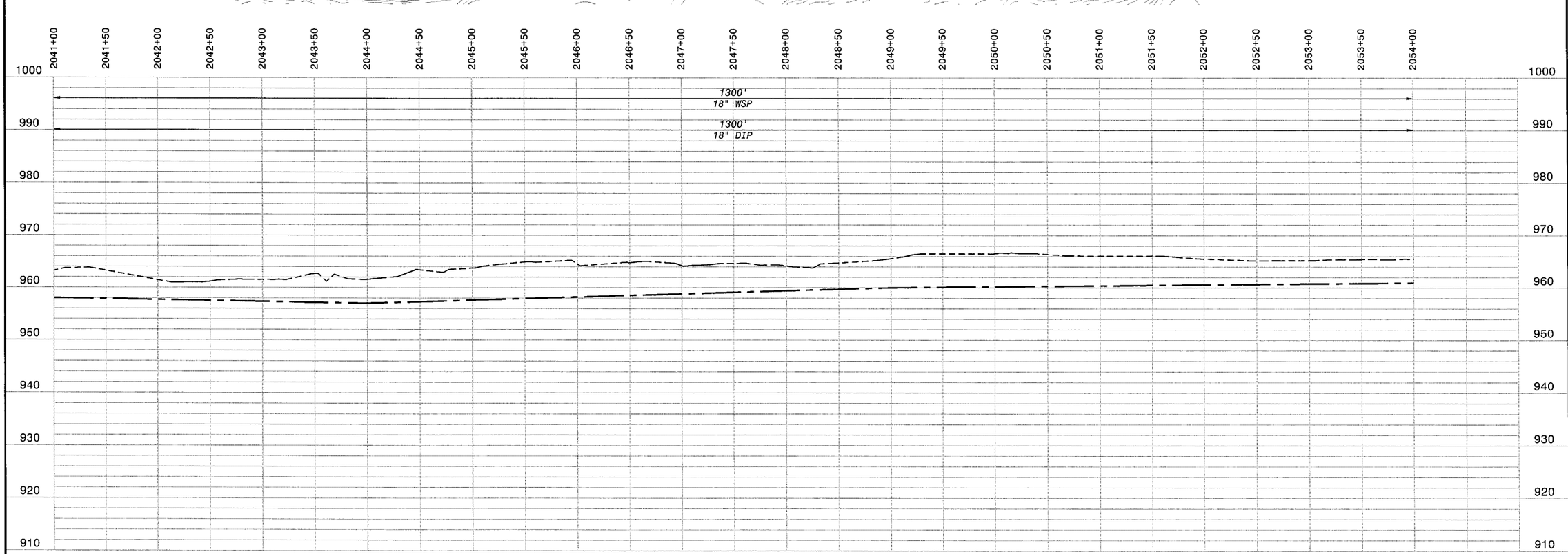
DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C120
SHEET	20 OF

FD137522
D137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C25	1200.00	71.44	142.72	06°48'51"

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely.
1-800-227-2600

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

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2008	DRAFT FOR SUBMITTAL

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:
DWG VER: 1.1

XREF1:BP7-C-HALN01.dwg
XREF2:BP7-C-VALN01.dwg
XREF3:BP7-C-UTIL01.dwg
XREF4:C-TOPO35.dwg
XREF5:

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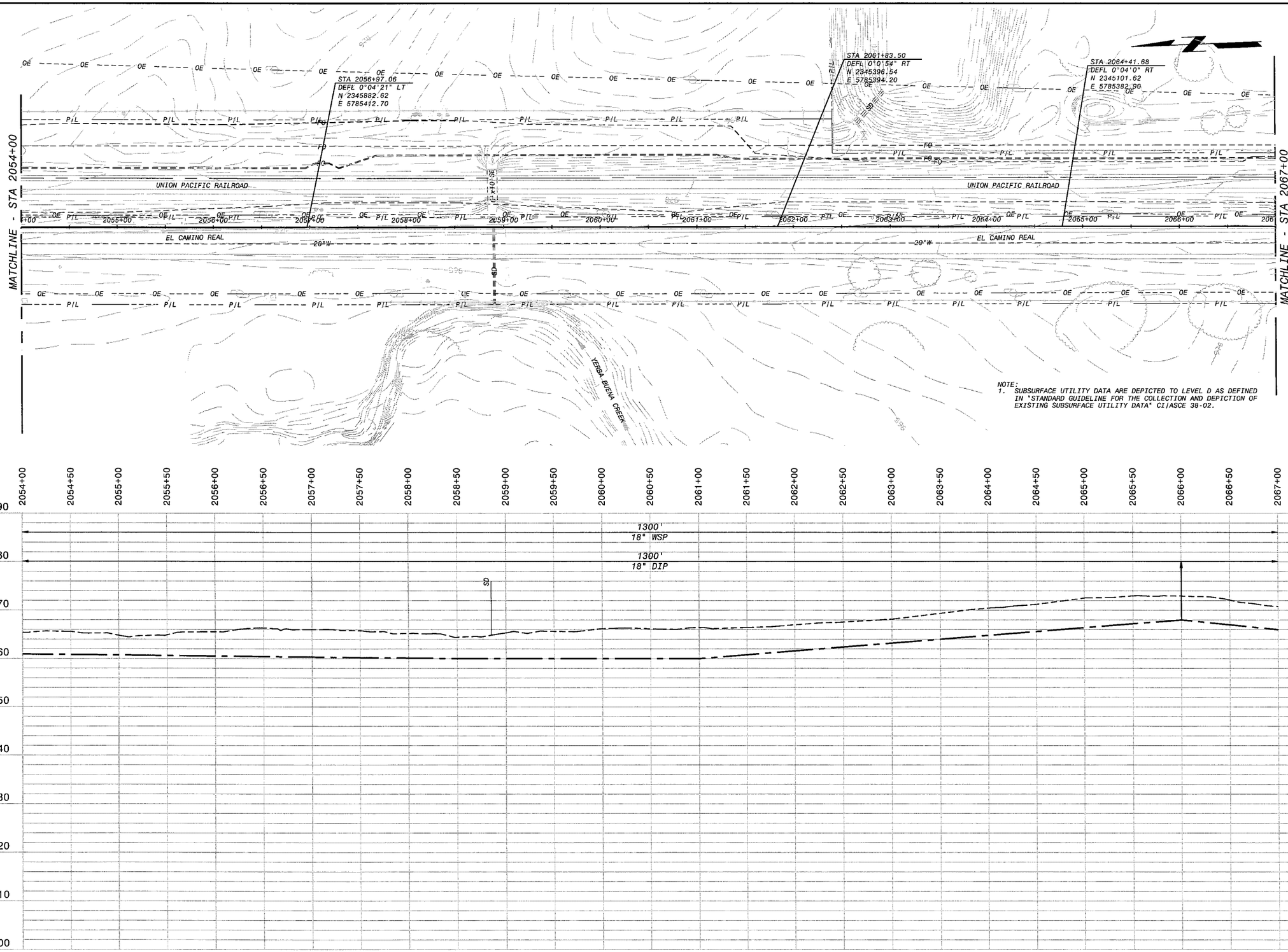
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2041+00 TO 2054+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
SHEET	GP-C121
	21 OF

FD137522
D137522



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HOR: 1" = 50'
VER: 1" = 10'

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Dig Safely. 1-800-227-2600

0 1/2 1
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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/07/2006	DRAFT FOR SUBMITTAL

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1: BP7-C-HALN01.dwg
XREF2: BP7-C-VALN01.dwg
XREF3: BP7-C-UTIL01.dwg
XREF4: C-TOPO35.dwg
XREF5: C-TOPO36.dwg
DWG VER: 1.1

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BOYLE
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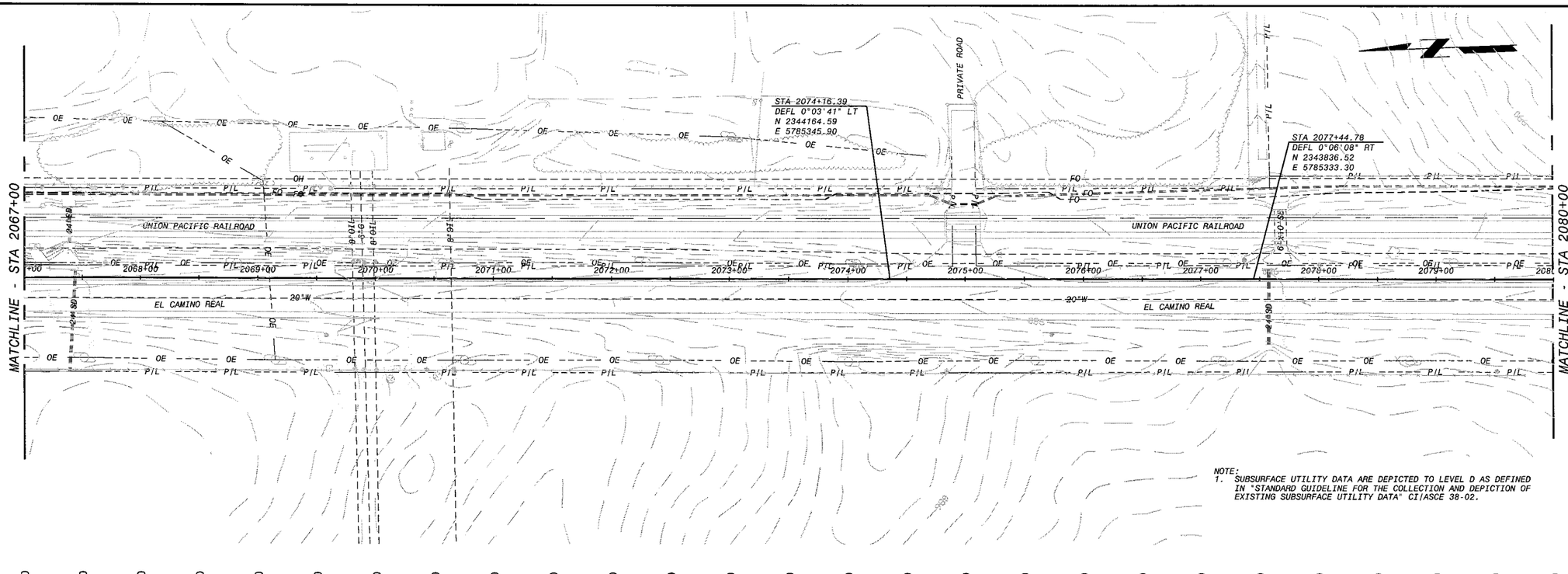
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2054+00 TO 2067+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C122
SHEET	22 OF

FD137522
D137522



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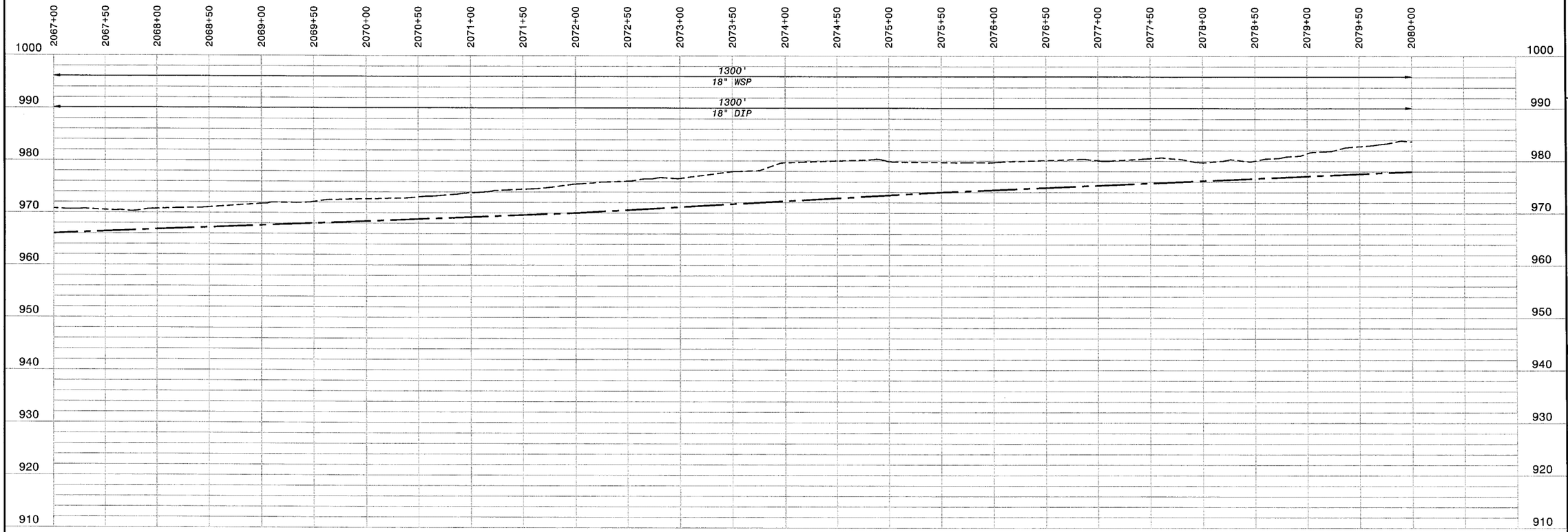

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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Dig Safely. 1-800-227-2600

0 1/2 1
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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2006	DRAFT FOR SUBMITTAL

XREF1:BP7-C-VALN01.dwg
XREF2:BP7-C-VALN01.dwg
XREF3:BP7-C-UTIL01.dwg
XREF4:C-TOPO36.dwg
XREF5:

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:
DWG VER: 1.1

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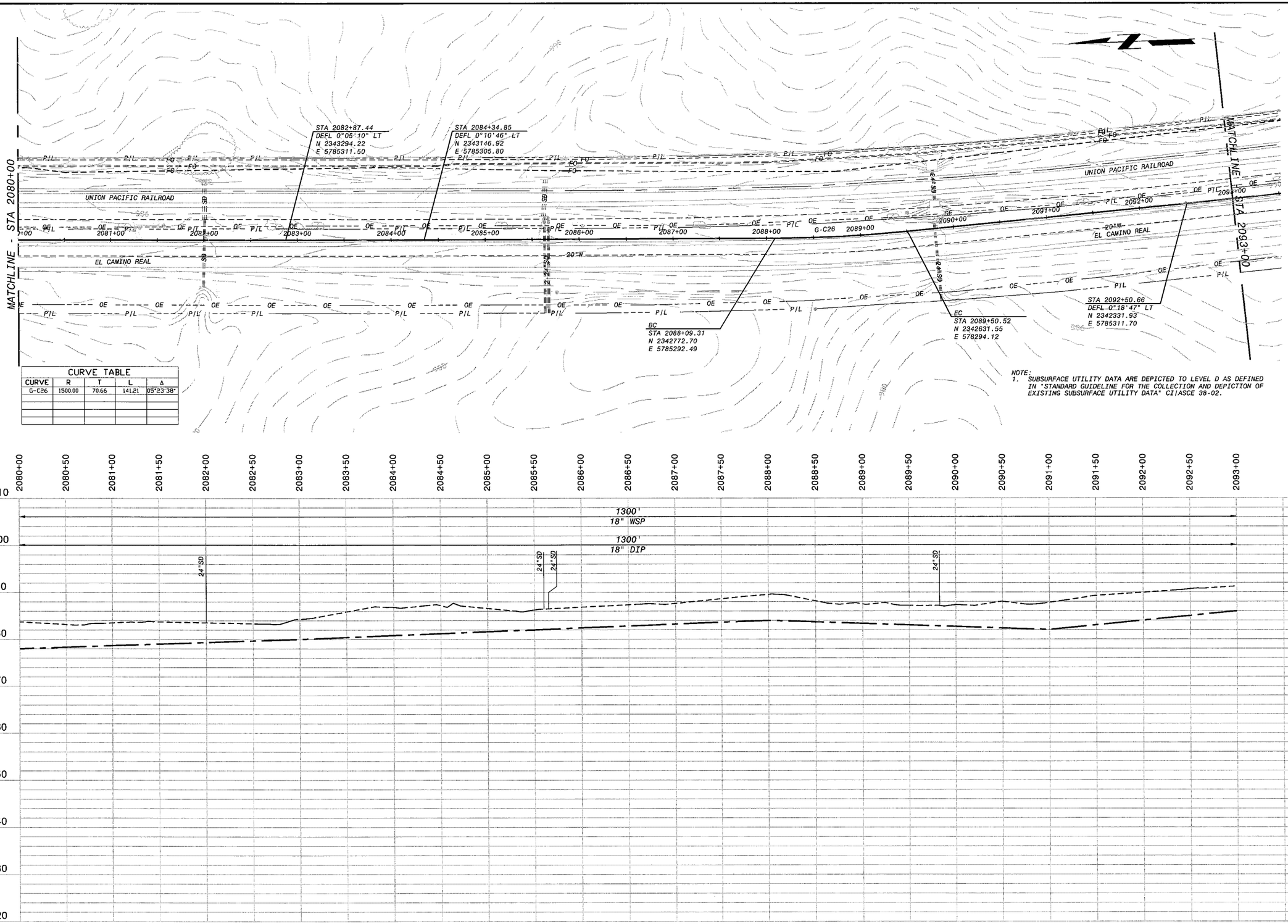
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2067+00 TO 2080+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C123
SHEET	23 OF

FD137522
0137522



CURVE TABLE				
CURVE	R	T	L	Δ
G-C26	1500.00	70.66	141.21	05°23'38"

NOTE:
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HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig! Dig Safely. 1-800-227-2600

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

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2006	DRAFT FOR SUBMITTAL

XREF1:BP7-C-HALN01.dwg
XREF2:BP7-C-VALN01.dwg
XREF3:BP7-C-UTIL01.dwg
XREF4:C-TOPO36.dwg
XREF5:

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
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USER:
DWG VER: 1.1

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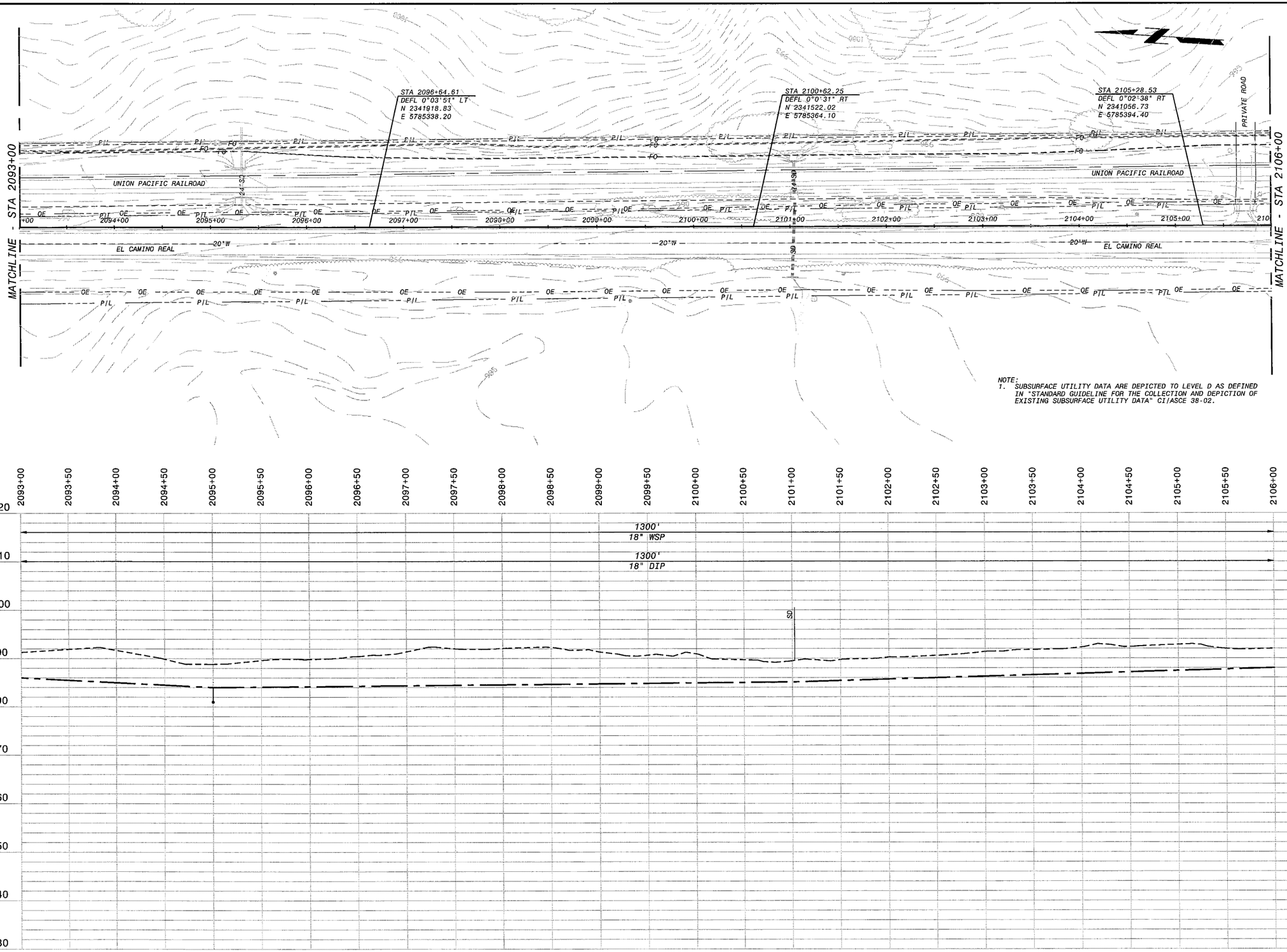
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2080+00 TO 2093+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C124
SHEET	24 OF

FD137522
D137522



NOTE:
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HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig! Dig Safely. 1-800-227-2600

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

NO.	BY	CK	APP

02/01/2006 DRAFT PDR SUBMITTAL

DATE REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522.C.BP7.
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1: BP7-C-HALN01.dwg
XREF2: BP7-C-VALN01.dwg
XREF3: BP7-C-UTIL01.dwg
XREF4: C_TOPO36.dwg
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DWG VER: 1.1

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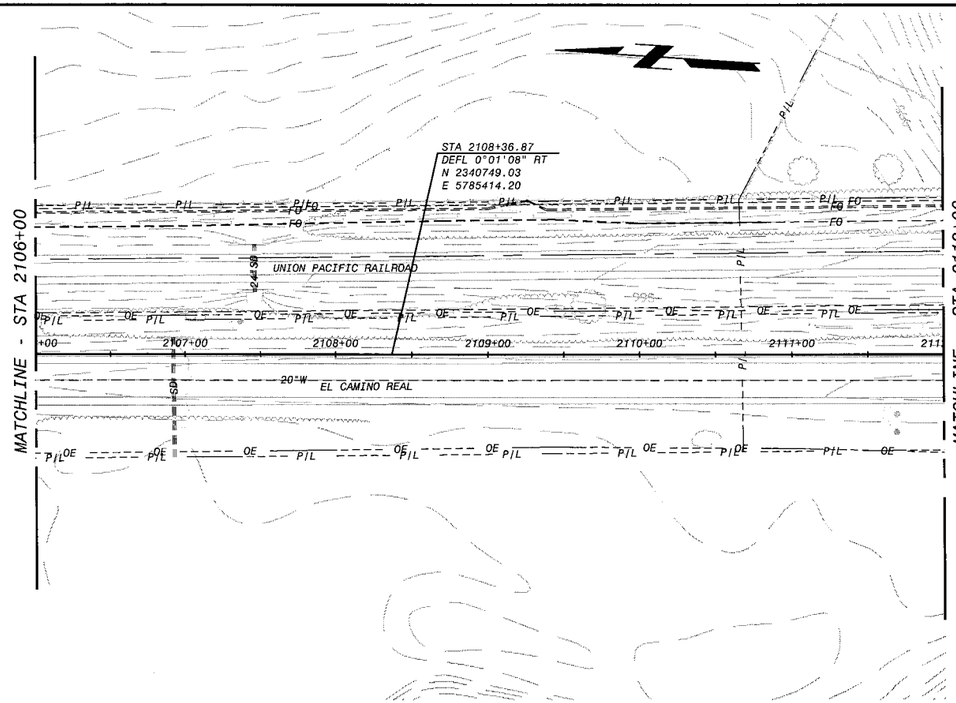
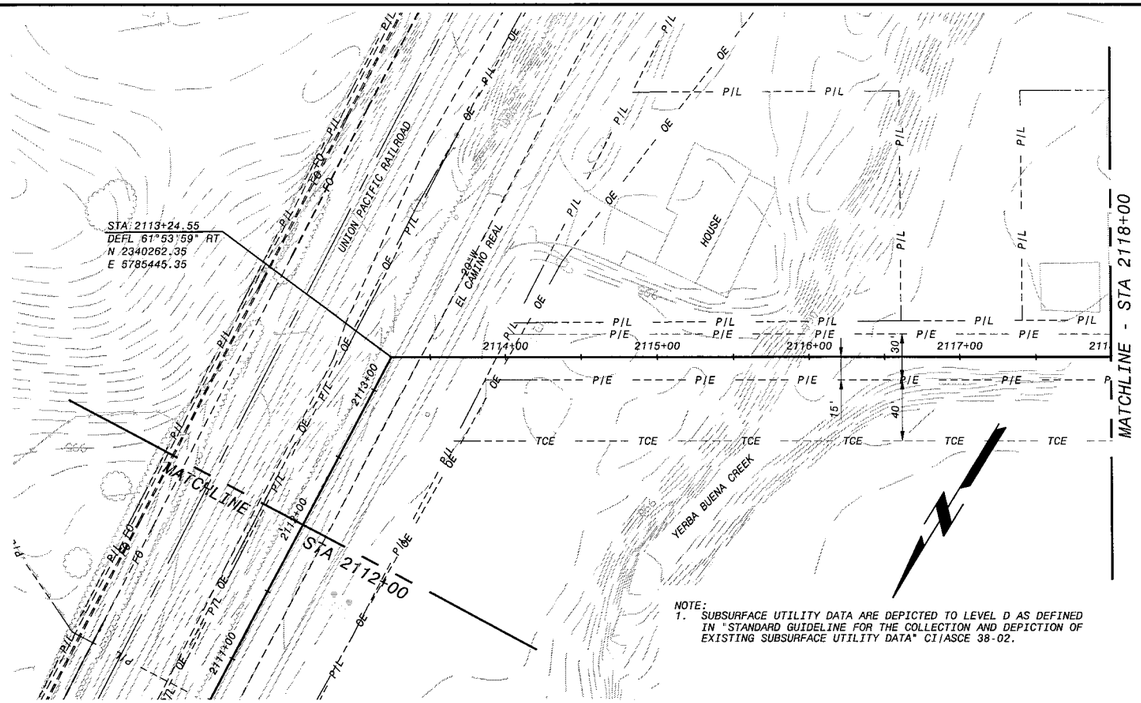
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2093+00 TO 2106+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C125
SHEET	25 OF

F0137522
D137522





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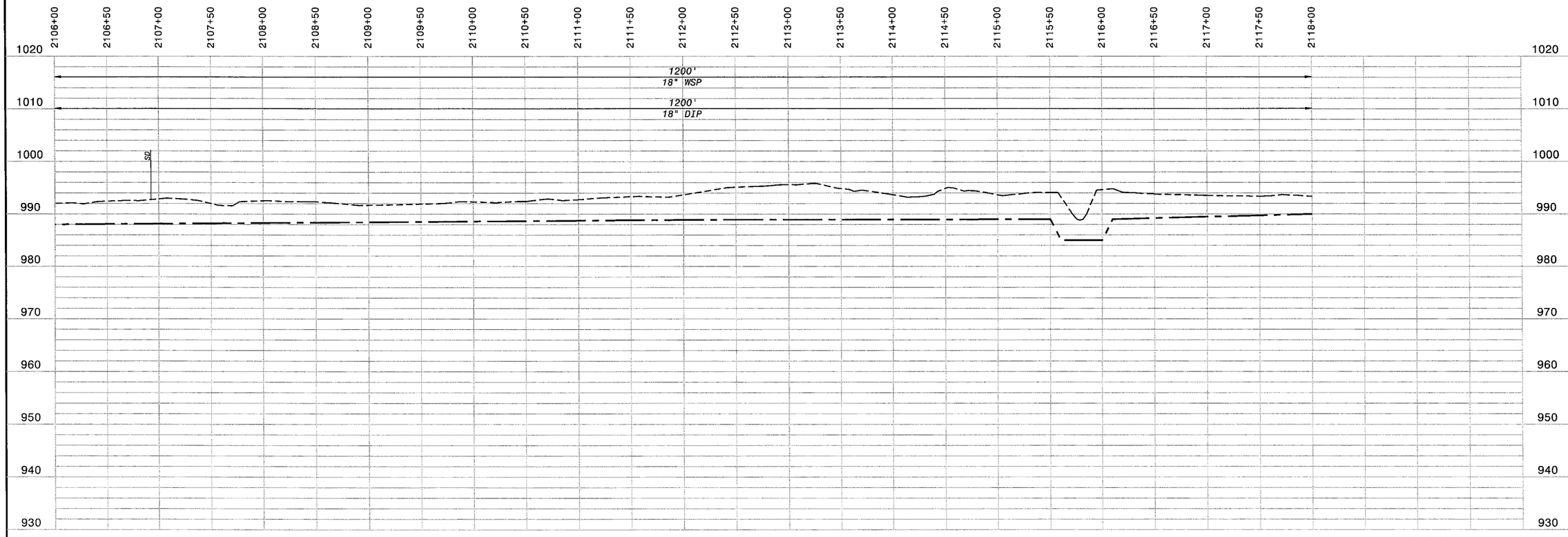

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
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0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2006	DRAFT FOR SUBMITTAL

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1: BP7-C-VAL-N01.dwg
XREF2: BP7-C-VAL-N01.dwg
XREF3: BP7-C-UTIL01.dwg
XREF4: C-TOPO36.dwg
XREF5: C-TOPO37.dwg
DWG VER: 1.1

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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2106+00 TO 2118+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	GP-C126
SHEET	26 OF

F0137522
D137522

2118+00 2118+50 2119+00 2119+50 2120+00 2120+50 2121+00 2121+50 2122+00 2122+50 2123+00 2123+50 2124+00 2124+50 2125+00 2125+50 2126+00 2126+50 2127+00 2127+50 2128+00 2128+50 2129+00 2129+50 2130+00

1020
1010
1000
990
980
970
960
950
940
930

1200'
18" WSP

1200'
18" DIP

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely.
1-800-227-2600

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

F0137522
D137522

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
02/01/2006	DRAFT PDR SUBMITTAL				

CYGNET ID: 137522-C-BP7-
WP: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1: BP7-C-HALN01.dwg
XREF2: BP7-C-VALN01.dwg
XREF3: BP7-C-UTIL01.dwg
XREF4: C-TOPO07.dwg
XREFS:
DWG VER: 1.1

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NWP NACIMIENTO WATER PROJECT

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2118+00 TO 2130+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
07

GP-C127
SHEET
27 OF

2130+00 2130+50 2131+00 2131+50 2132+00 2132+50 2133+00 2133+50 2134+00 2134+50 2135+00 2135+50 2136+00 2136+50 2137+00 2137+50 2138+00 2138+50 2139+00 2139+50 2140+00 2140+50 2141+00 2141+50 2142+00 2142+50 2143+00

1030 1020 1010 1000 990 980 970 960 950 940

1300' 18" WSP

1300' 18" DIP

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely. 1-800-227-2600

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

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2006	DRAFT PDR SUBMITTAL

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:
XREF1: BP7-C-HALN01.dwg
XREF2: BP7-C-VALN01.dwg
XREF3: BP7_C_UTIL01.dwg
XREF4: C_TOPO01.dwg
XREFS:
DWG VER: 1.1

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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

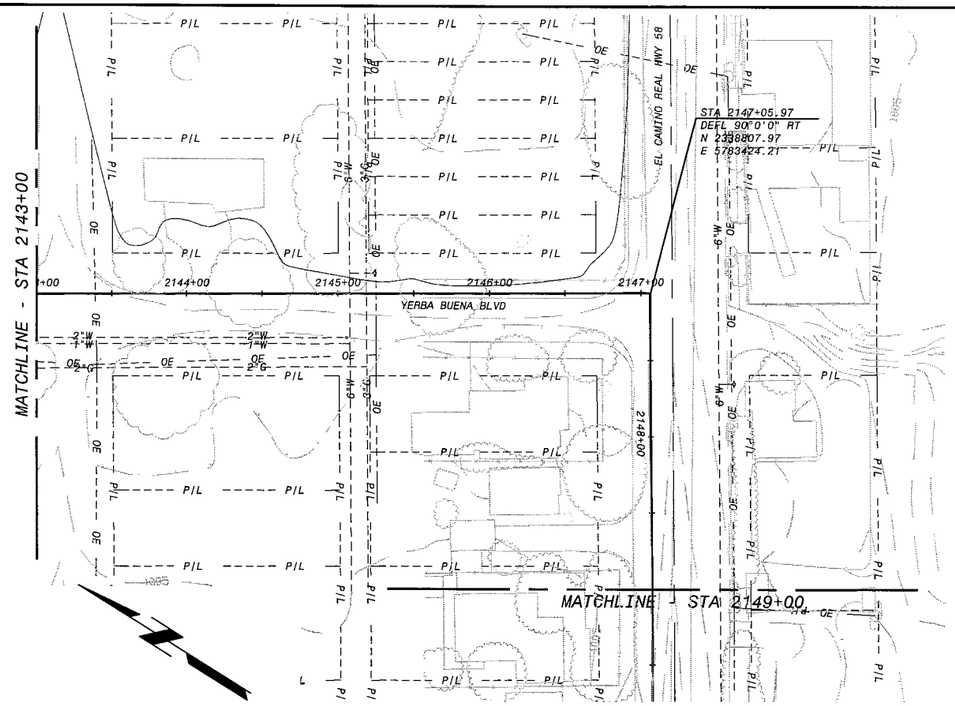
UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2130+00 TO 2143+00

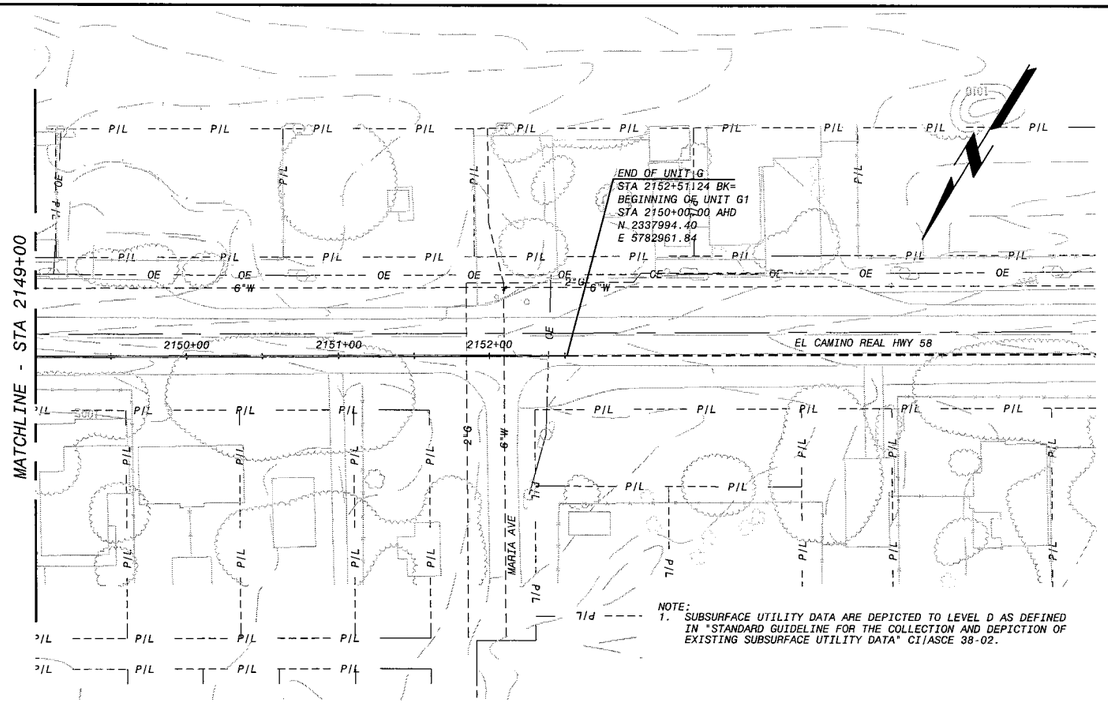
DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 07

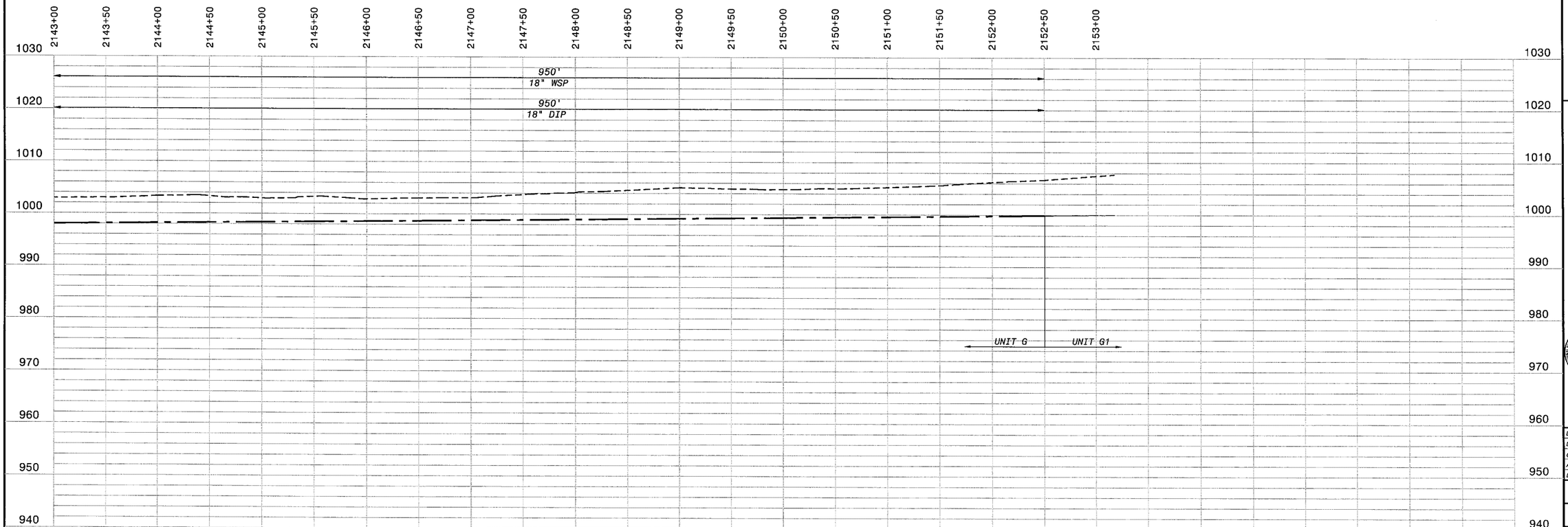
GP-C128
SHEET 28 OF

FD137522
D137522





NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
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1-800-227-2600

0 1/2 1
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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2006	DRAFT FOR SUBMITTAL

CYGNET ID: 137522-C-BP7-
WF: BP7-GP-C101.dwg
SAVED:
PLOTTED:
USER:

XREF1: BP7-C-HALN01.dwg
XREF2: BP7-C-VALN01.dwg
XREF3: BP7-C-UTIL01.dwg
XREF4: C-TOPO37.dwg
XREF5:

DWG VER: 1.1

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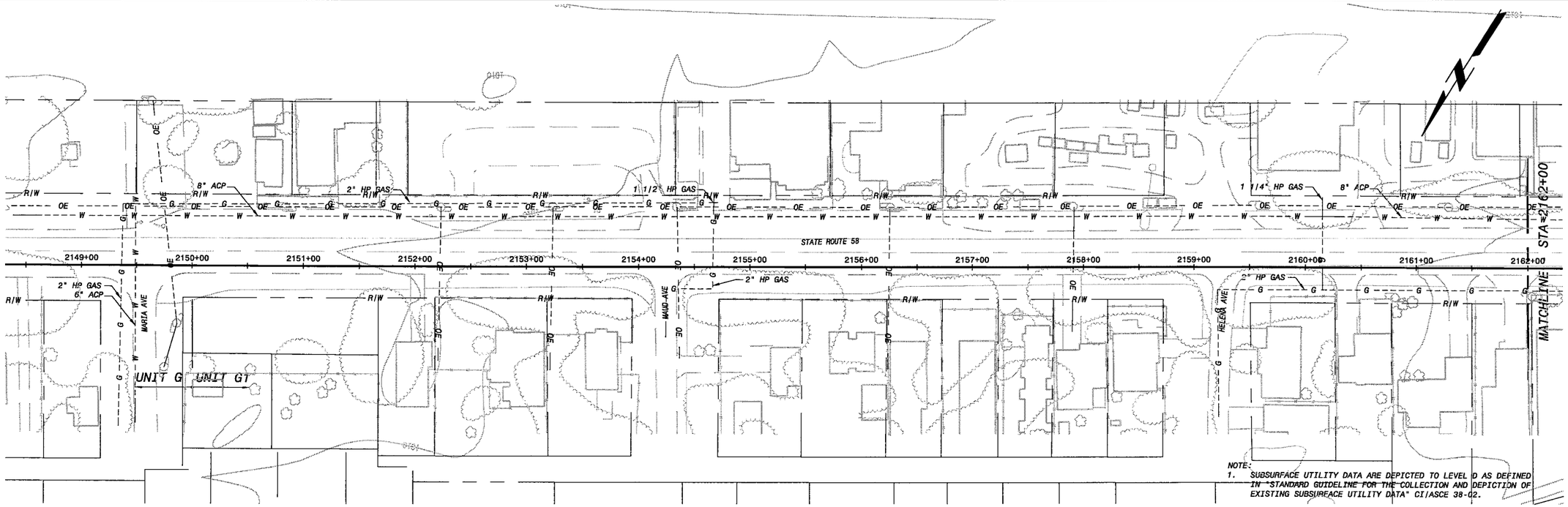
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G - PIPELINE
CIVIL
PLAN AND PROFILE STA 2143+00 TO 2152+51

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
GP-C129	SHEET 29 OF

FD137522
D137522



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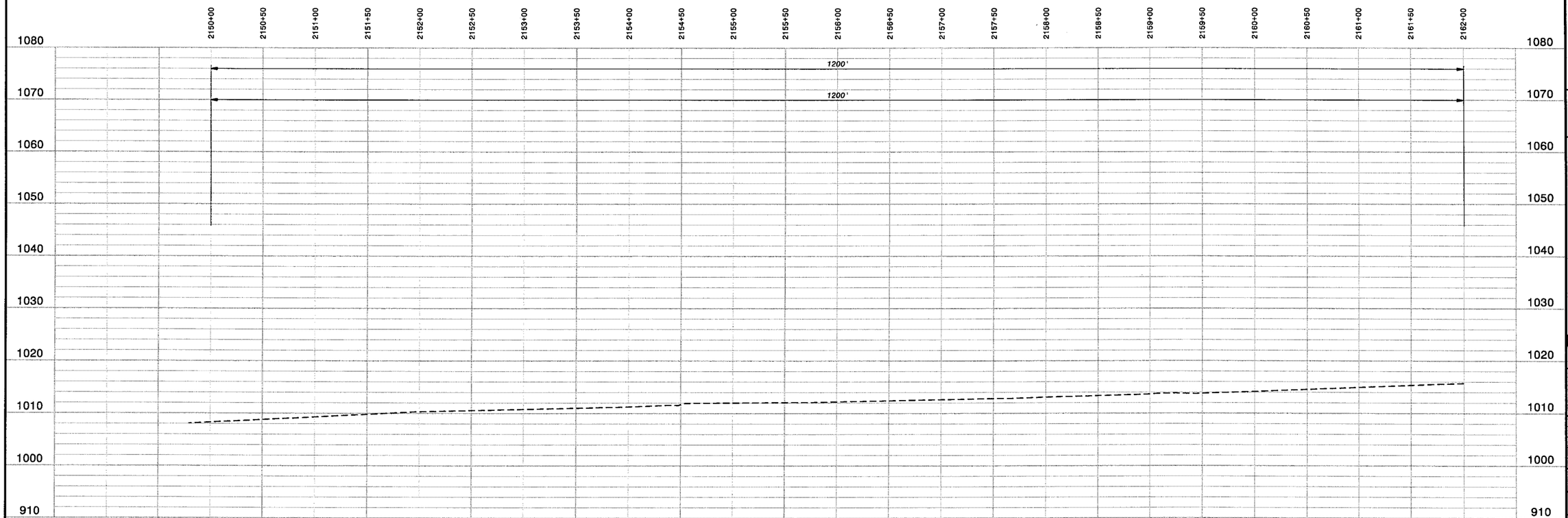

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0 1/2 1
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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP1-E0000TM2P
WF: BP1-G1-C101.dwg
SAVED: BUL41266, 11/4/2006 9:34:57 AM
PLOTTED:
USER: BUL41266
DWG VER: 1.1

XREF1:C-TOP037
XREF2:G1-C-HALN01
XREF3:G1-C-PROP01
XREF4:G1-C-UTIL01
XREF5:

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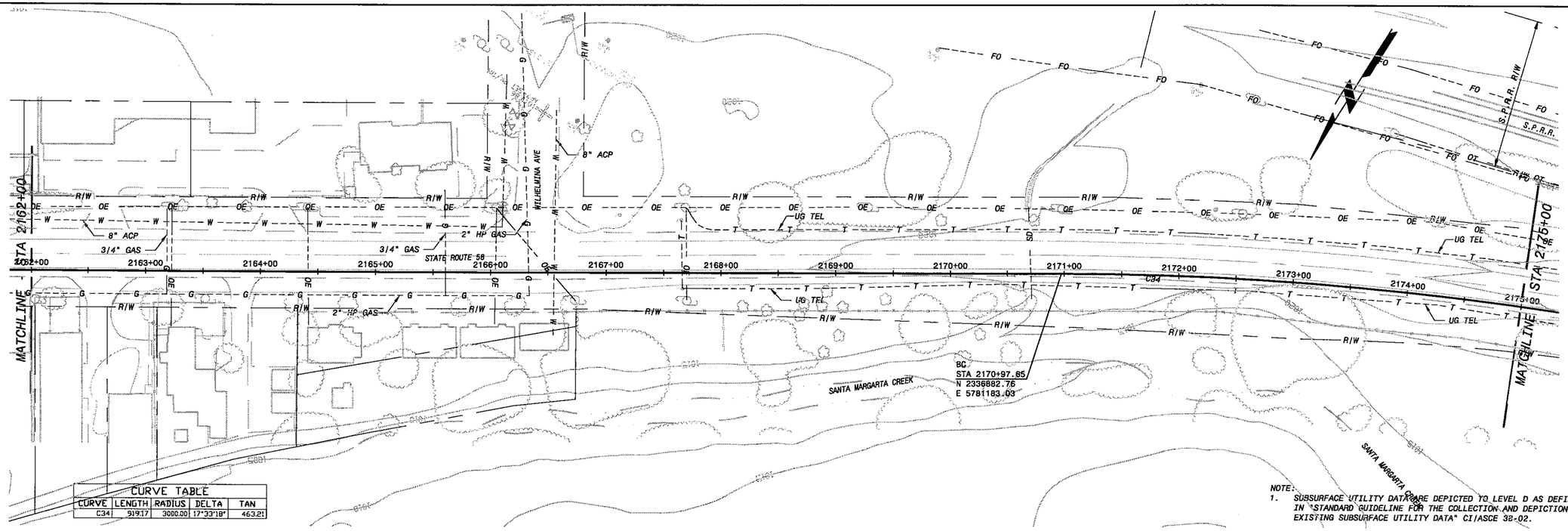
NWP NACIMIENTO WATER PROJECT
Joint Use Pipeline Between The North Coast & Salinas Monterey Basin

UNIT G1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2150+00 - 2162+00

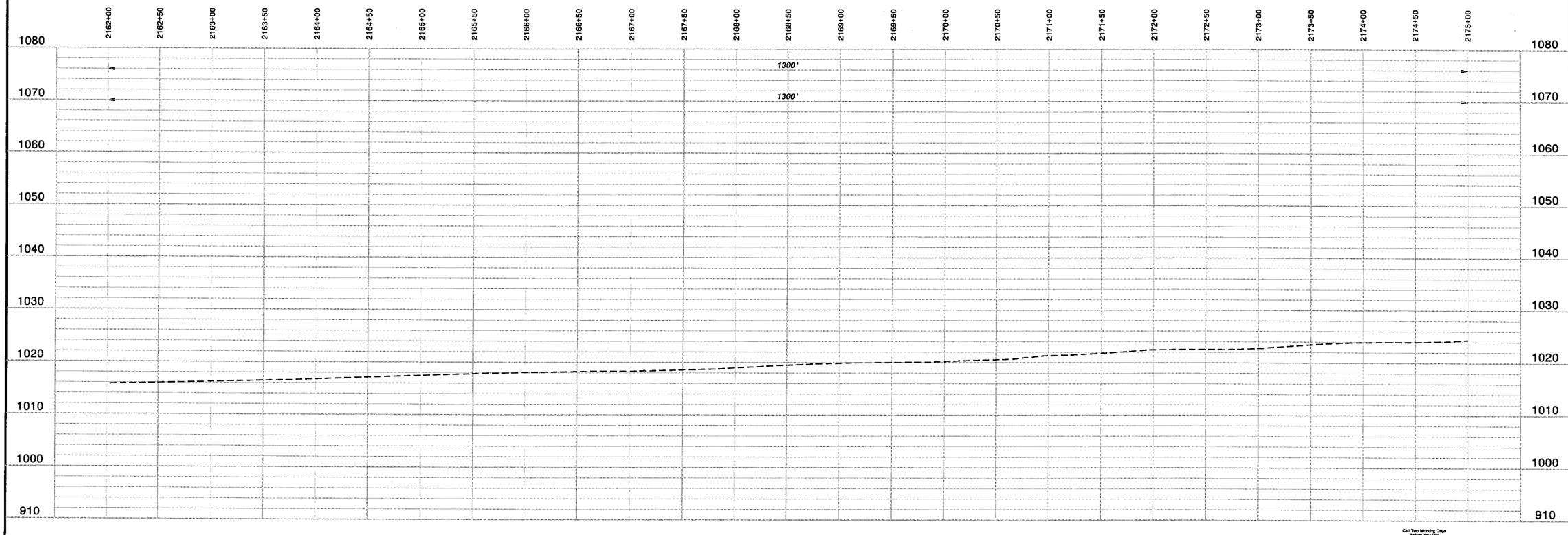
DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	01
	G1P-C101
SHEET OF	

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C34	919.17	3000.00	17°33'18"	463.21

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

CYBNET ID: 137522-C-BPT-E00007N2P
W: BPT-01-C101.dwg
SAVED: BUL41266, 11/1/2006 9:34:57 AM
PLOTTED:
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XREF5:
DWG VER: 1.1

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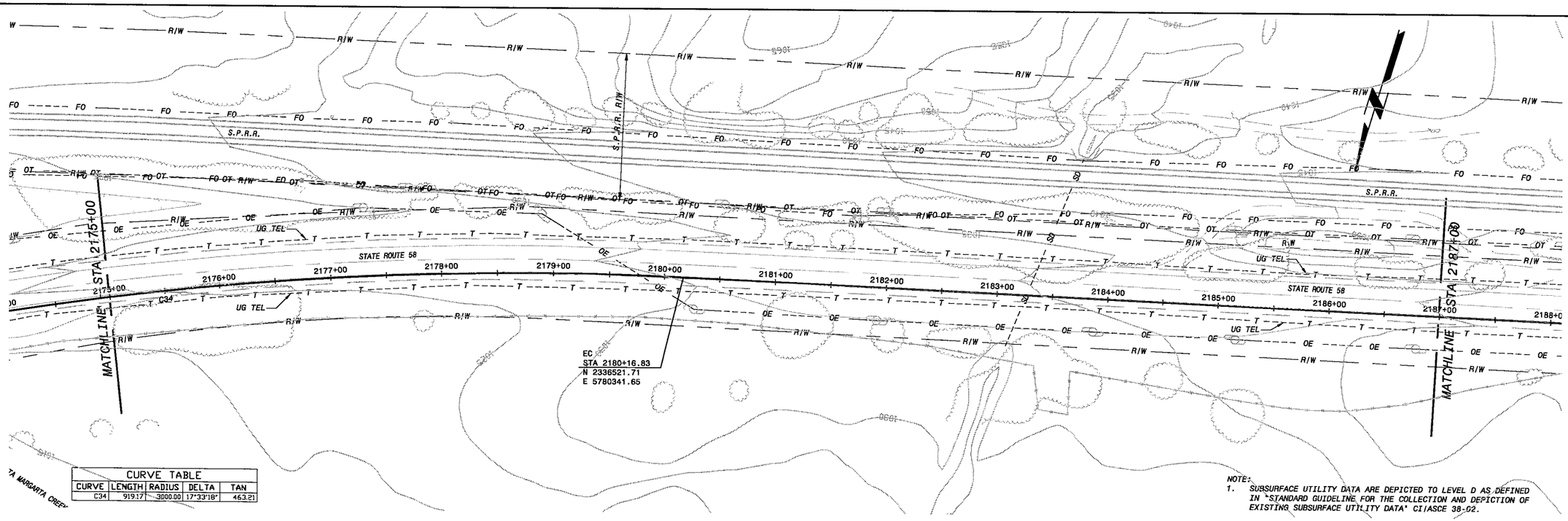
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2162+00 - 2175+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	01
	G1P-C102
SHEET OF	

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C34	919.17	3000.00	17°33'18"	463.21

NOTE:
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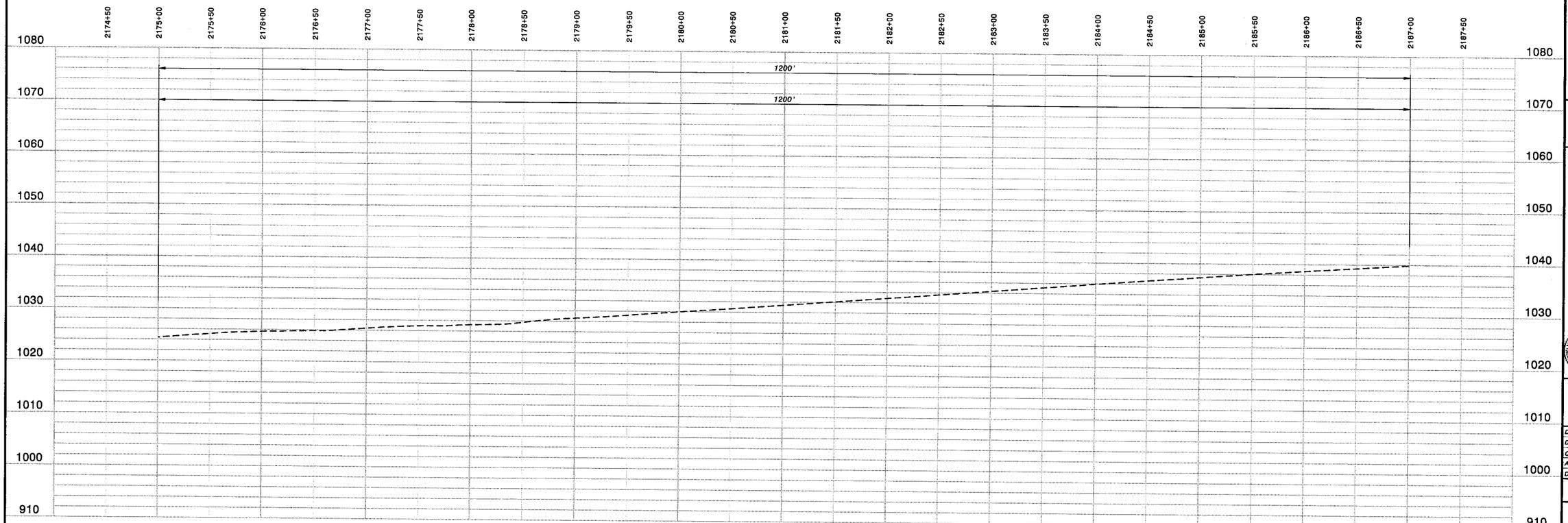

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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522 C-BP1-E00007N2P
XREF1:C-TOP037,C-TOPO38
WF:BP1-G1-C101.dwg
XREF2:G1-C-HALN01
SAVED: BULL1286, 11/4/2006 9:34:57 AM
XREF3:G1-C-PROP01
PLOTTED:
XREF4:G1-C-UTIL01
USER: BULL1286
XREF5:
DWG VER: 1.1

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UNIT G1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2175+00 - 2187+00

DESIGNED:
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APPROVED:
DATE:

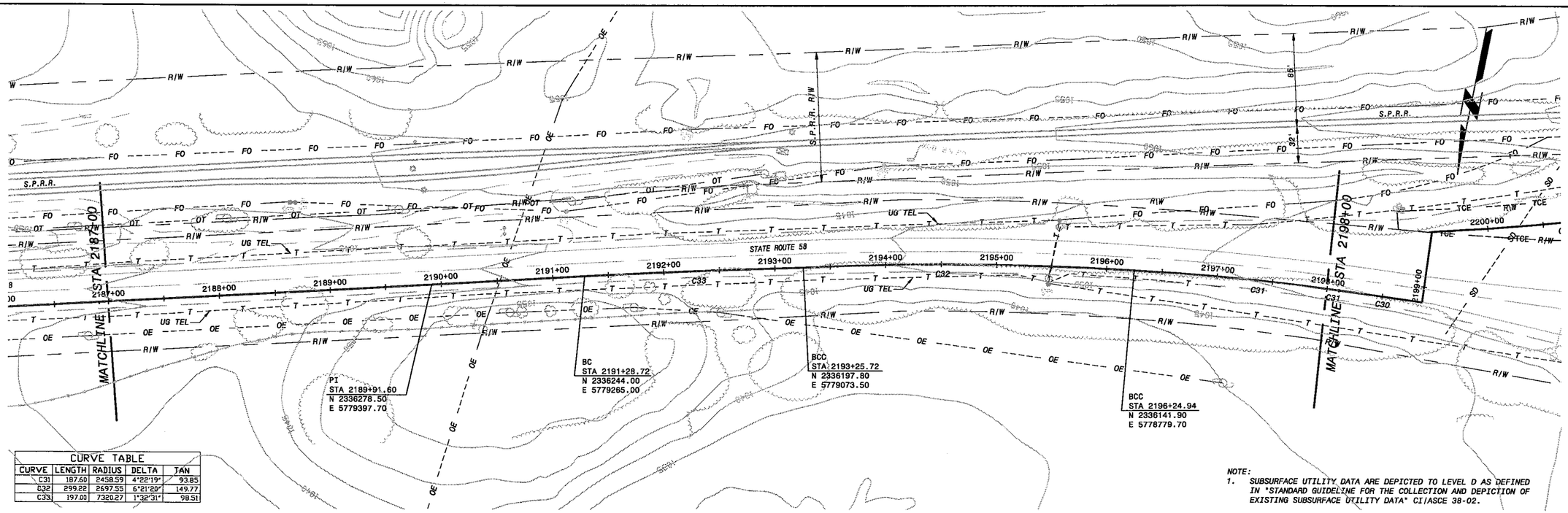
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

G1P-C103
SHEET
OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C31	187.60	2458.59	4°22'19"	93.85
C32	299.22	2697.55	6°21'20"	149.77
C33	197.00	7320.27	1°32'31"	98.51

NOTE:
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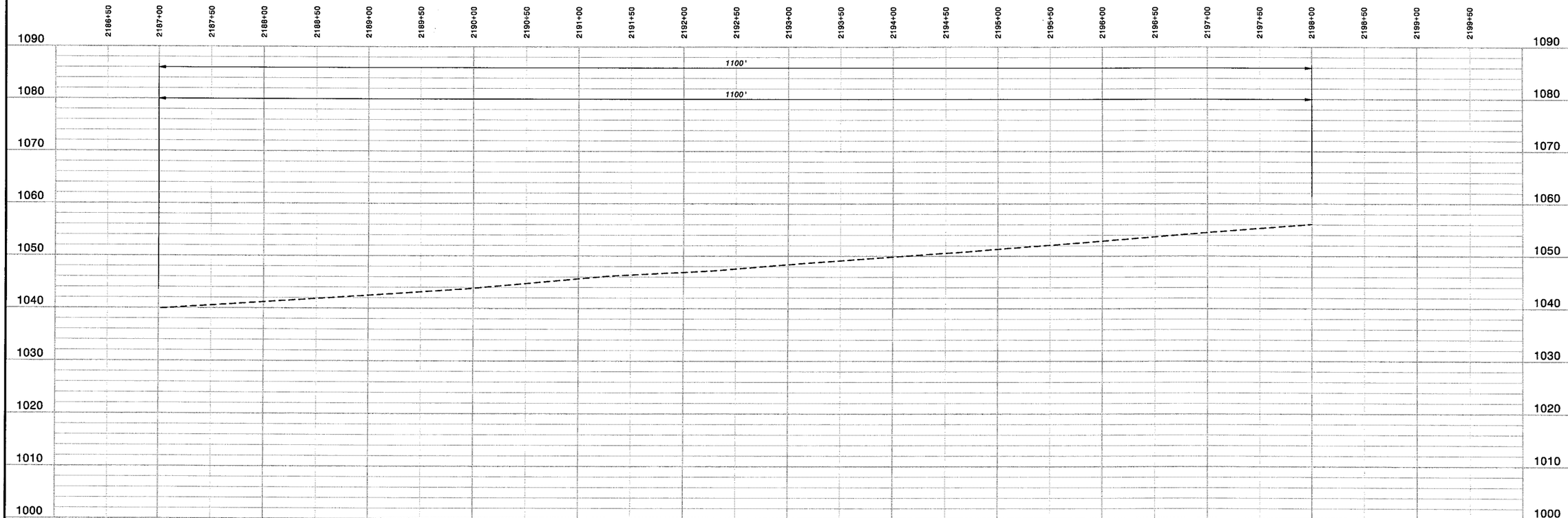

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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP1-E0000702P
WF: BP1-G1-C101.dwg
SAVED: BUL41286, 1/4/2006 9:34:57 AM
PLOTTED:
USER: BUL41286

XREF1:C-TOP037,C-TOP038
XREF2:01-C-HALN01
XREF3:01-C-PROP01
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XREF5:
DWG VER: 1.1

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San Luis Obispo County Flood Control & Water Conservation District

UNIT G1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2187+00 - 2198+00

DESIGNED:
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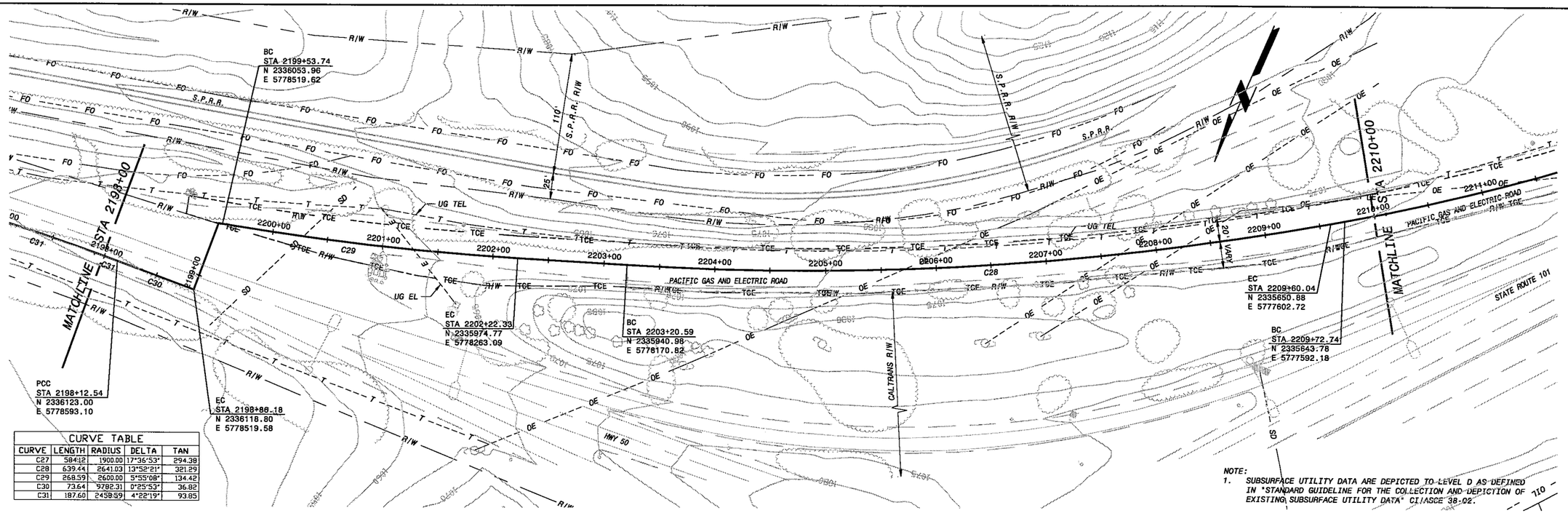
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

G1P-C104
SHEET
OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C27	584.12	1900.00	17°36'53"	294.38
C28	639.44	2641.03	13°52'21"	321.29
C29	268.59	2600.00	5°55'08"	134.42
C30	73.64	9782.31	0°25'53"	36.82
C31	187.60	2459.59	4°22'19"	93.85

NOTE:
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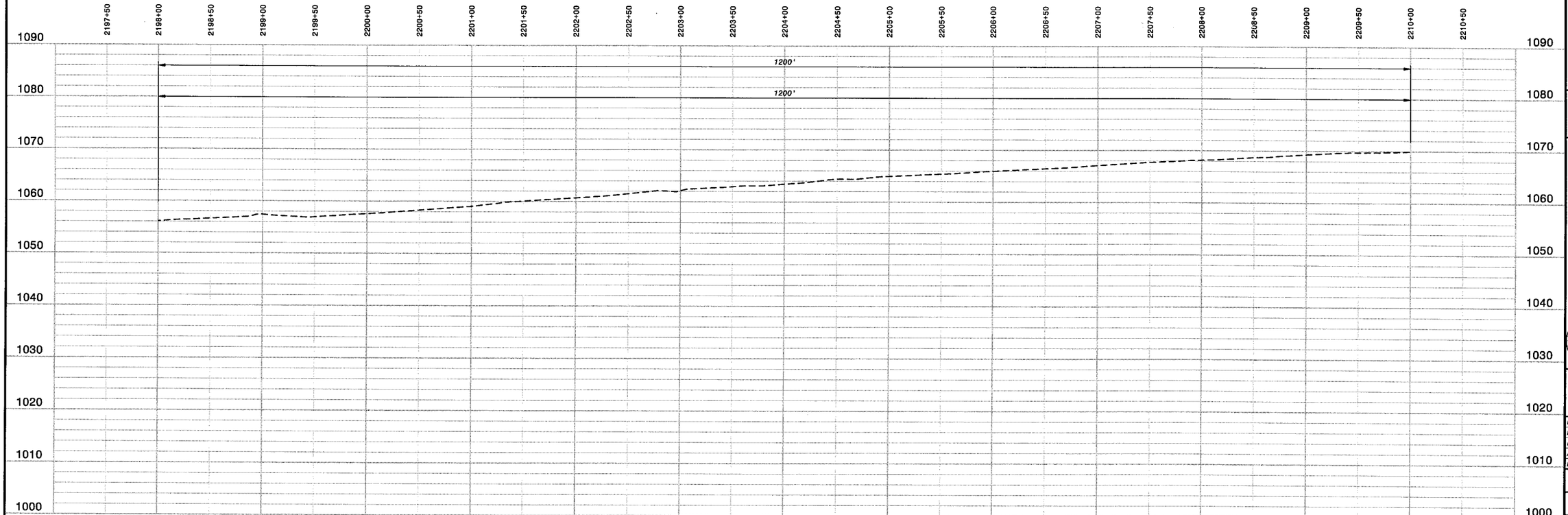

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NO.	BY	CK	APP	REVISIONS AND RECORD OF ISSUE	DATE

CYGNET ID: 137522-C-BP1-E0000N2P
WF: BP1-G1-C101.dwg
SAVED: BULK1286, 1/4/2008 8:34:57 AM
PLOTTED:
USER: BULK1286

XREF1: C-TOP037, C-TOP038
XREF2: G1-C-HALN01
XREF3: G1-C-PROP01
XREF4: G1-C-UTIL01
XREFS:
DWG VER: 1.1

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San Luis Obispo County Flood Control & Water Conservation District

UNIT G1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2198+00 - 2210+00

DESIGNED:
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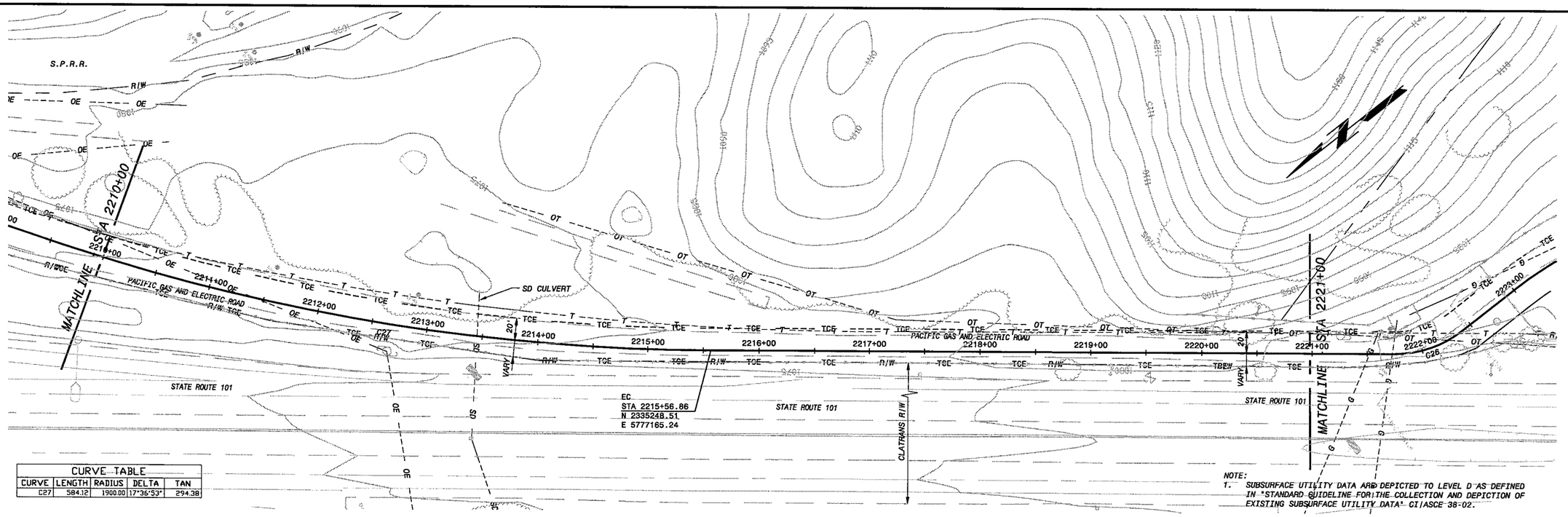
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

G1P-C105
SHEET
OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C27	584.12	1900.00	17°36'53"	294.38

NOTE:
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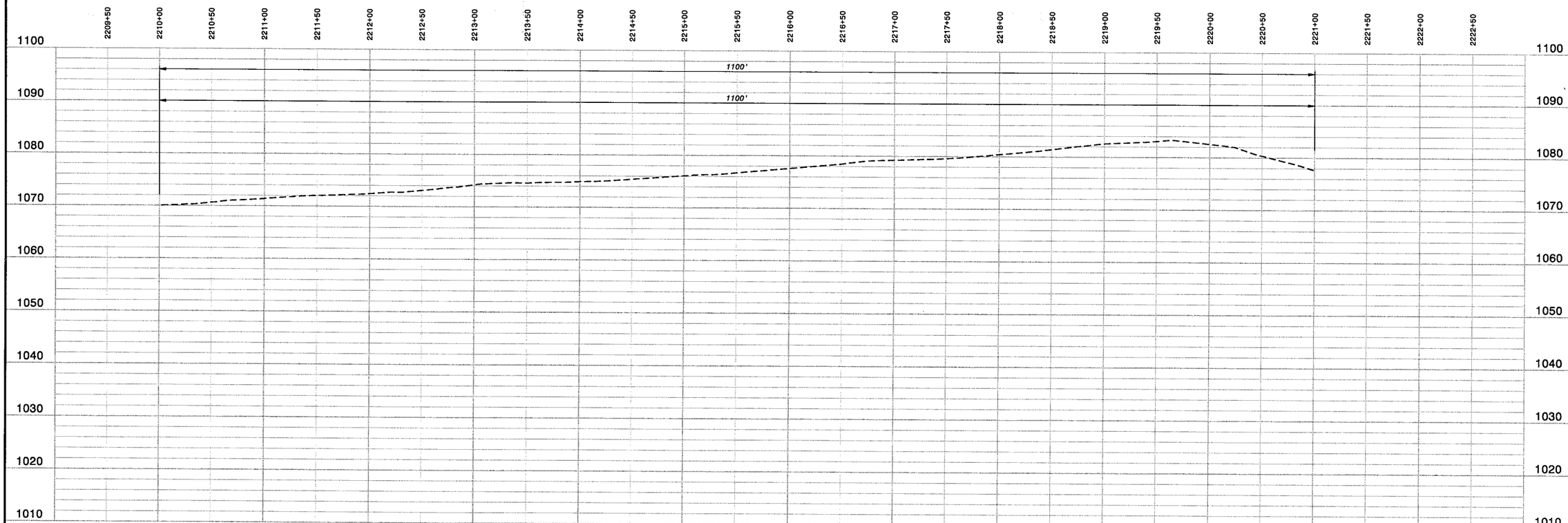

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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP1-E00007N2P
WF: BP1-G1-C101.dwg
SAVED: BUL41266, 1/4/2008 9:34:57 AM
PLOTTED:
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XREF1:C-TOP037,C-TOP038
XREF2:G1-C-HALN01
XREF3:G1-C-PROP01
XREF4:G1-C-UTIL01
XREF5:

DMG VER: 1.1

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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2210+00 - 2221+00

DESIGNED:
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APPROVED:
DATE:

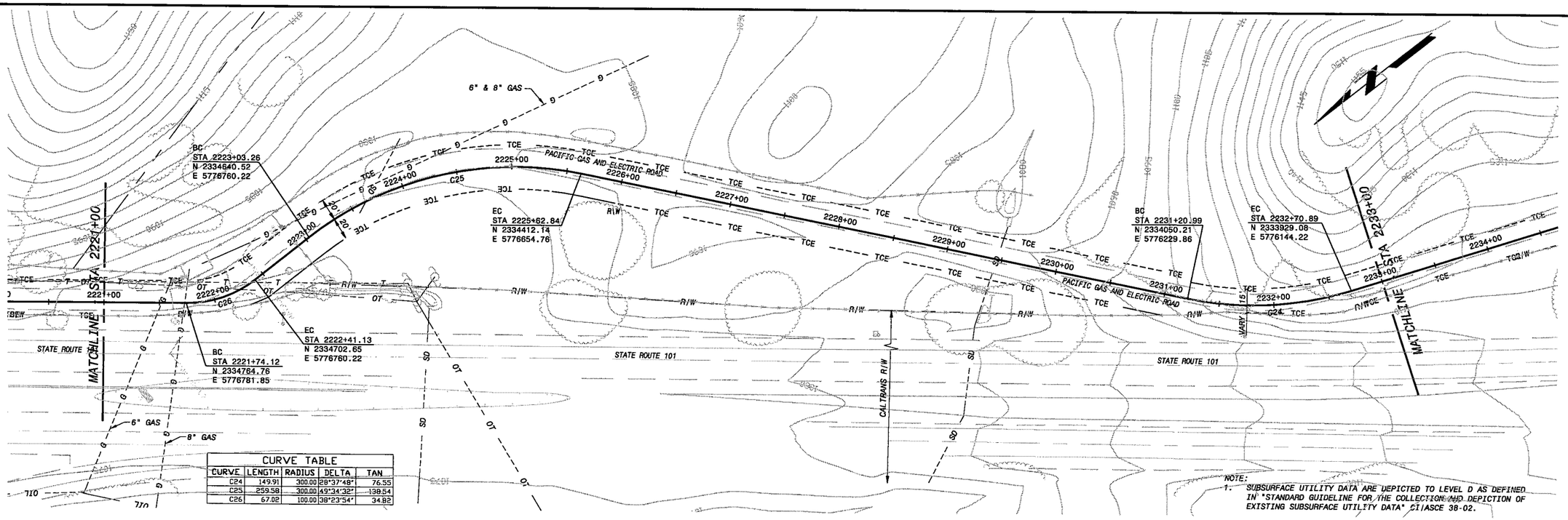
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

G1P-C106
SHEET
OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C24	149.91	300.00	28°37'48"	76.55
C25	259.58	300.00	49°34'32"	138.54
C26	67.02	100.00	38°23'54"	34.82

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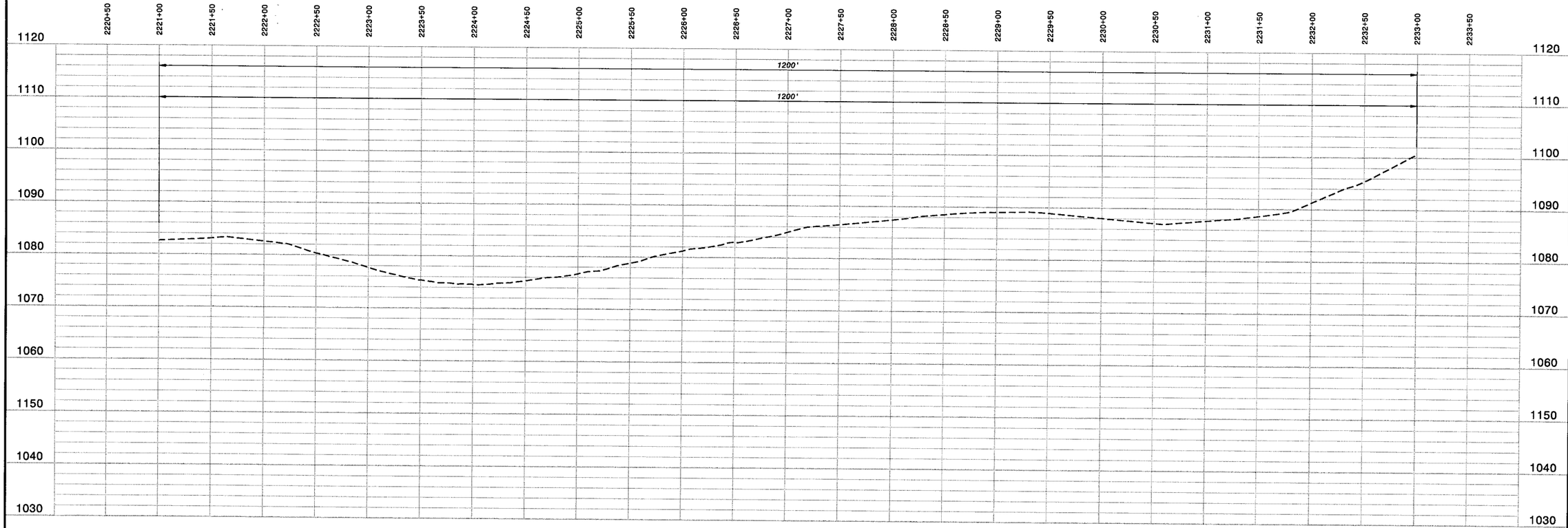

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DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
CYGNET ID: 137522-C-BP1-E00007N2P		XREF1: C-TOP037, C-TOP038			
WF: BP1-G1-C101.dwg		XREF2: G1-C-HALN01			
SAVED: BUL41266, 1/4/2006 9:34:57 AM		XREF3: G1-C-PROP01			
PLOTTED:		XREF4: G1-C-UTIL01			
USER: BUL41266	DWG VER: 1.1	XREF5:			

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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2221+00 - 2233+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

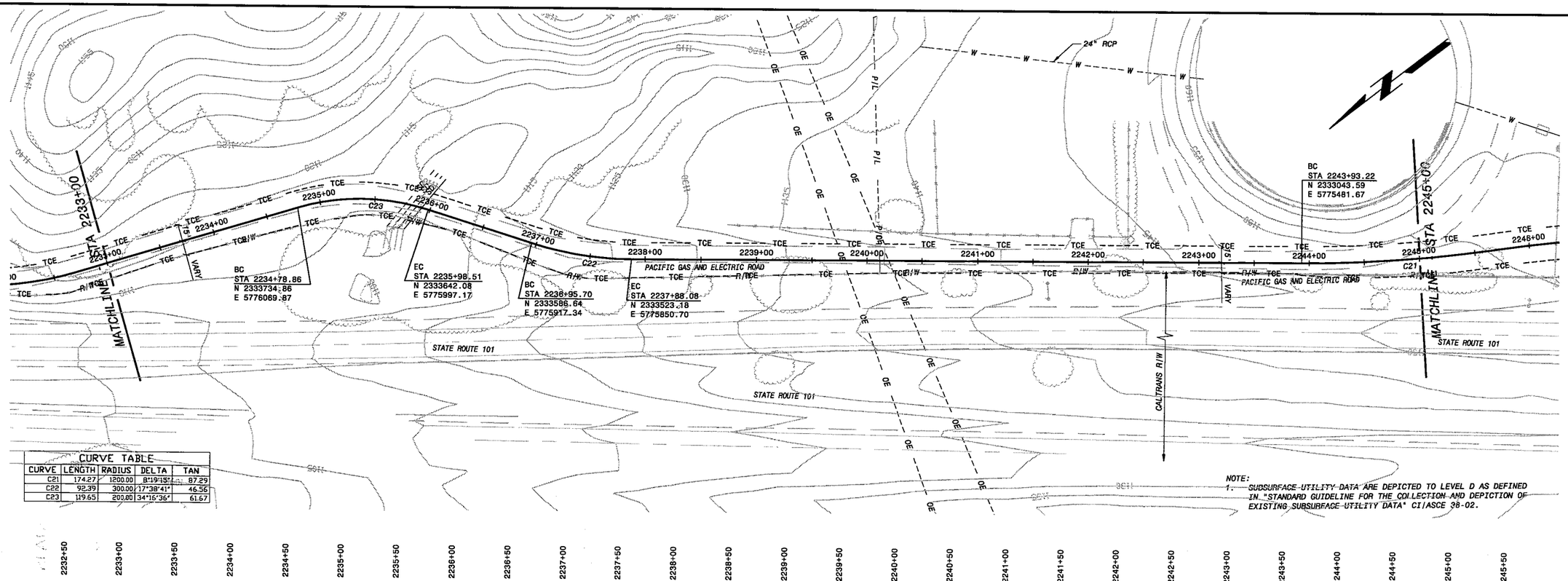
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

G1P-C107
SHEET
OF

F0137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C21	174.27	1200.00	8°19'15"	87.29
C22	92.39	300.00	17°38'41"	46.56
C23	119.65	200.00	34°16'36"	61.67

NOTE:
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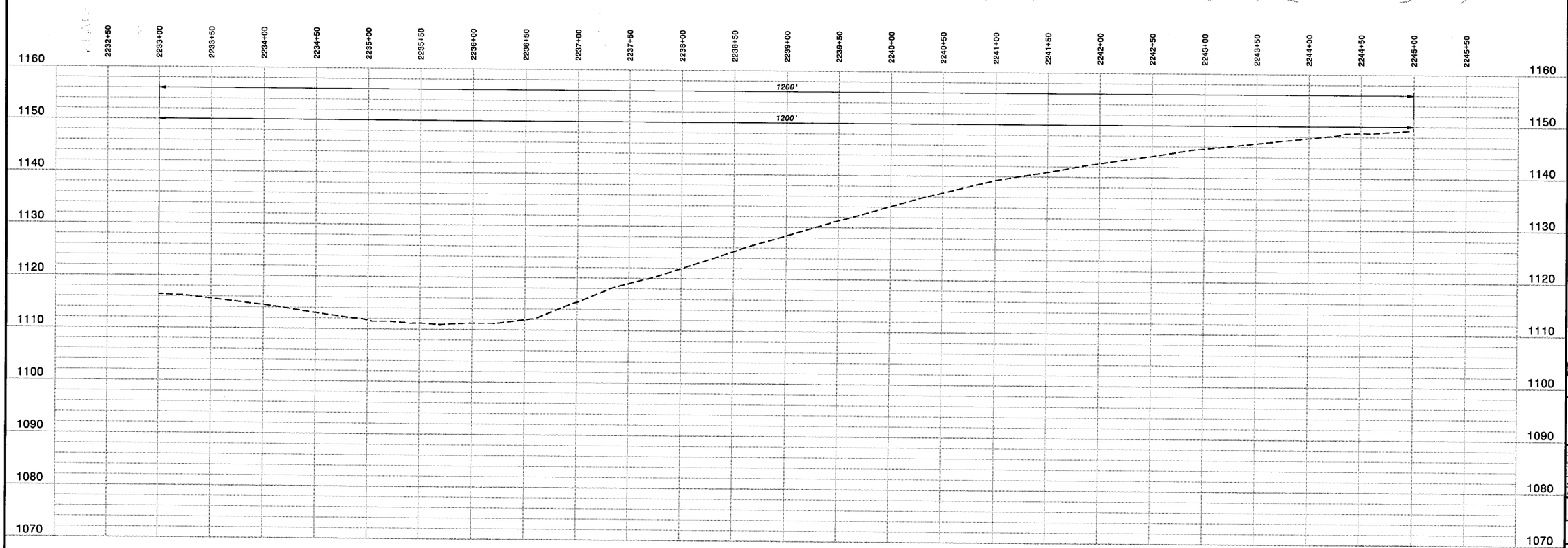

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CYGNET ID: 137522-C-BP1-E00007N2P		XREF1: C-TOP037, C-TOP038			
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PLOTTED:		XREF4: G1-C-UTIL01			
USER: BUL41266	DWG VER: 1.1	XREF5:			

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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2233+00 - 2245+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

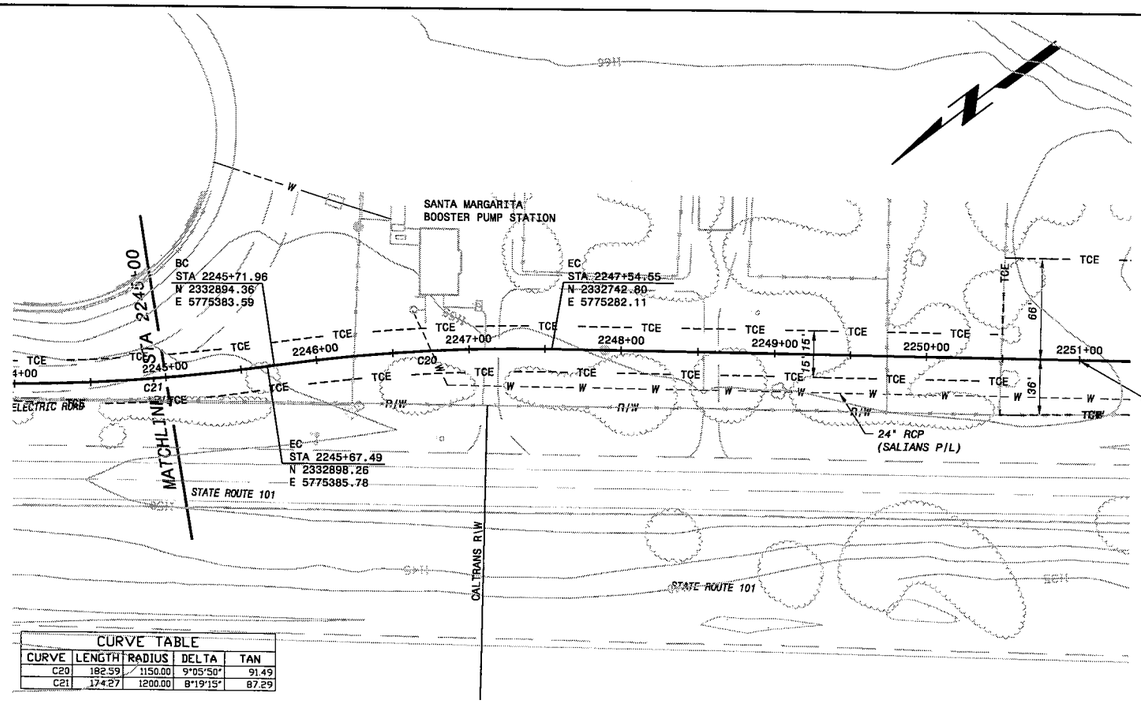
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

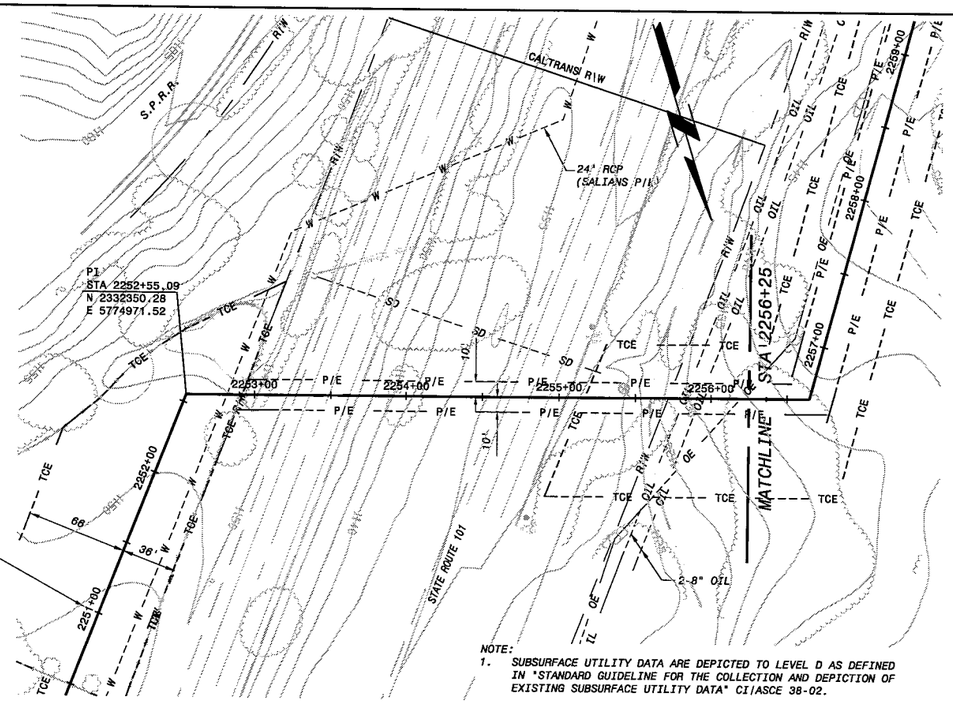
G1P-C108
SHEET
OF

F0137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C20	182.59	1150.00	9°05'50"	91.49
C21	174.27	1200.00	8°19'15"	87.29

IDENTICAL POINTS



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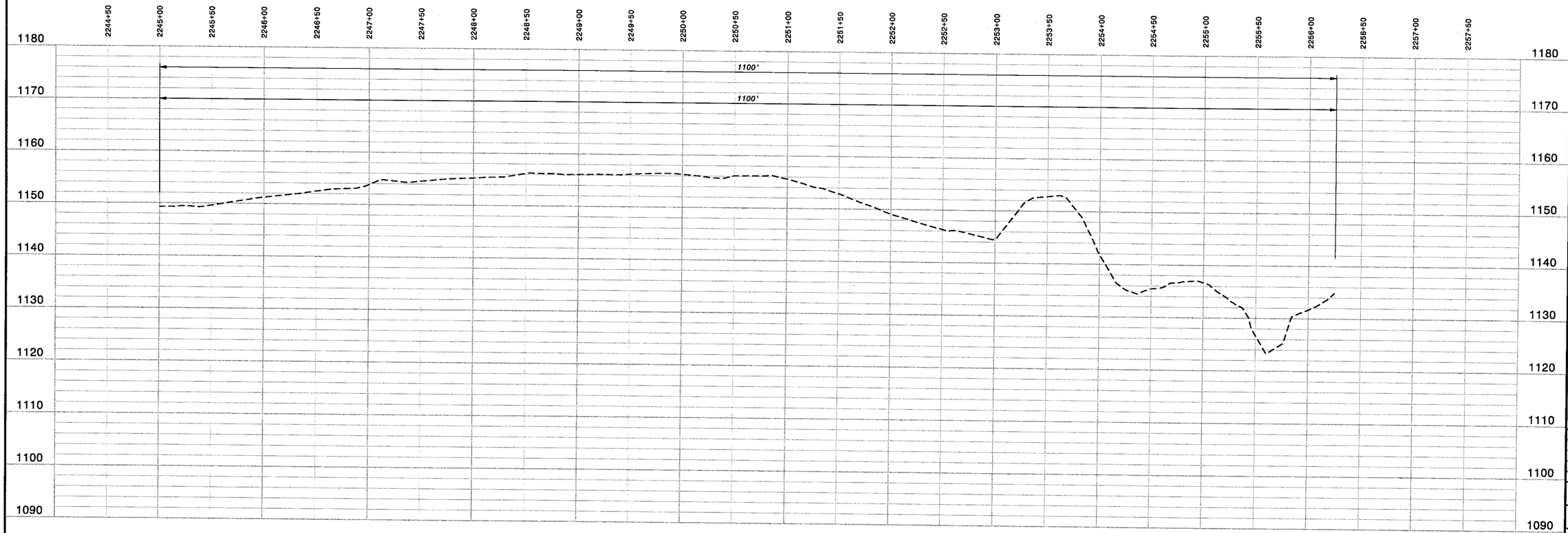

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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

NO.	BY	CK	APP	REVISIONS AND RECORD OF ISSUE	DATE

CYGNET ID: 137522-C-BP1-EQ000TKNP
MF: BP1-G1-C101.dwg
SAVED: BULK1286, 1/4/2006 9:34:57 AM
PLOTTED:
USER: BULK1286

XREF1: C-TOPO37, C-TOPO38
XREF2: G1-C-HAL101
XREF3: G1-C-PROF01
XREF4: G1-C-UTIL01
XREFS:
DWG VER: 1.1

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BOYLE
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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT G1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2245+00 - 2256+25

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

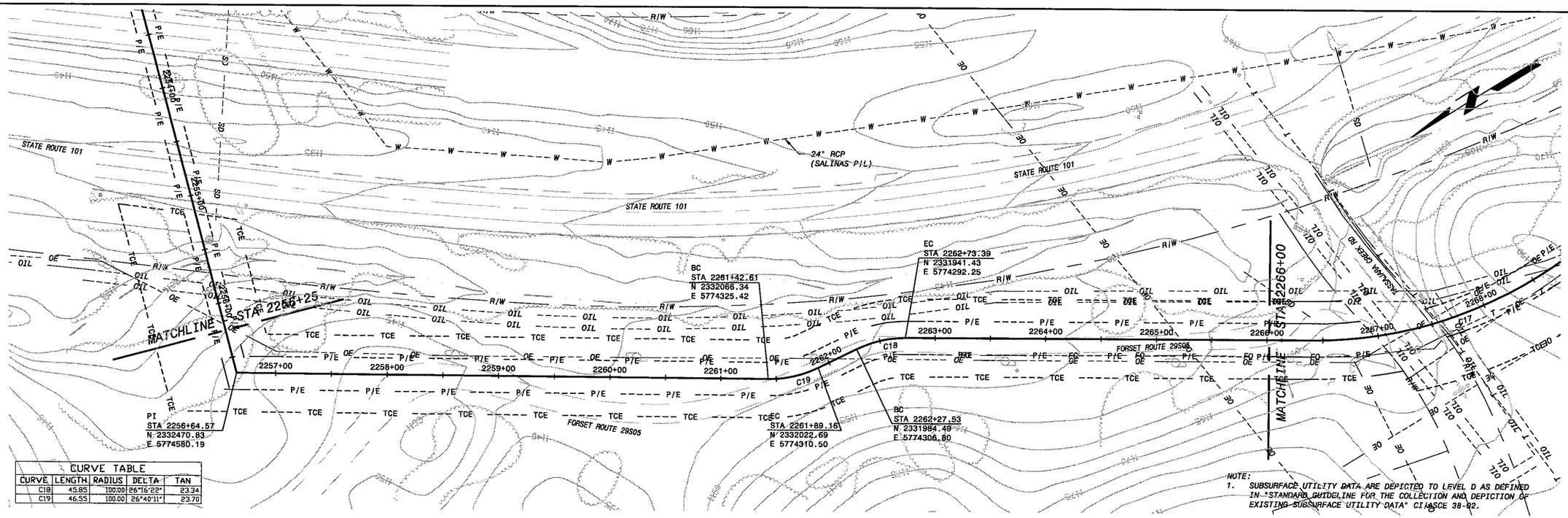
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

G1P-C109
SHEET
OF

FD137522
D137522



CURVE TABLE				
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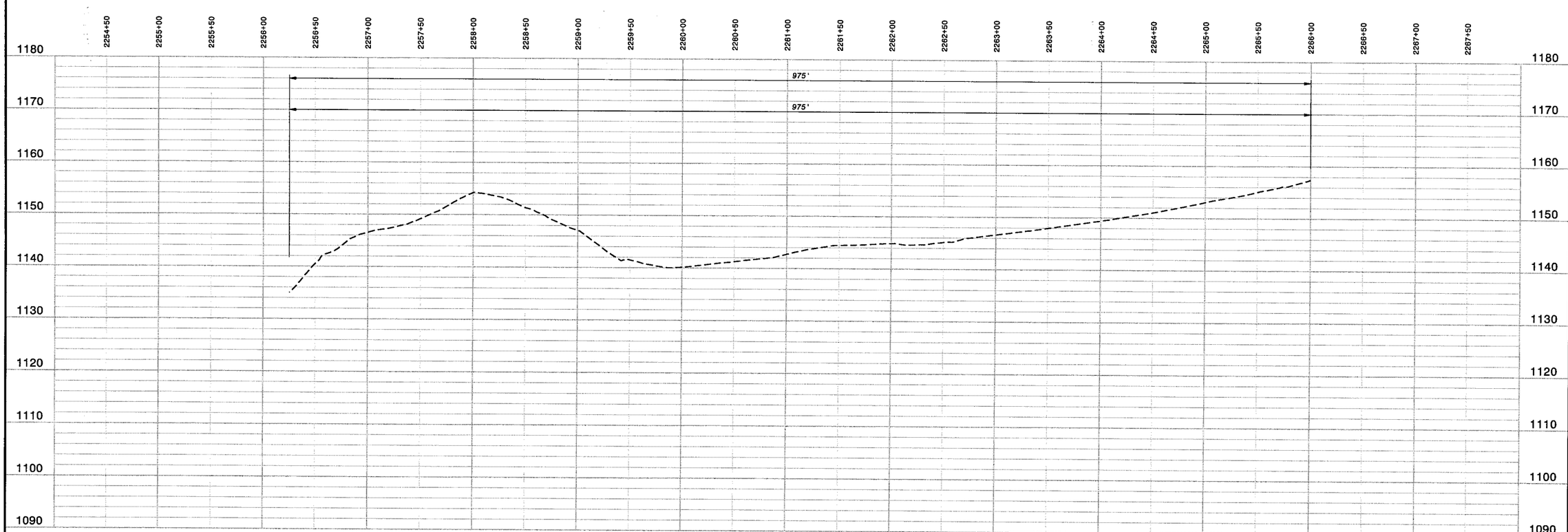
C18	45.85	100.00	26°16'22"	23.34
C19	46.55	100.00	26°40'11"	23.70



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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

NO.	BY	CK	APP	REVISIONS AND RECORD OF ISSUE	DATE
				CYGNET ID: 137522-C-BP1-E00007N2P	
				W:\BP1-G1-C101.dwg	
				SAVED: BILL41286, 11/4/2008 9:34:57 AM	
				PLOTTED:	
				USER: BILL41286	

XREF1:C-TOPO37,C-TOPO38
XREF2:G1-C-HALM01
XREF3:G1-C-PROP01
XREF4:G1-C-UTIL01
XREF5:
DWG VER: 1.1

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PLAN AND PROFILE STA 2256+25 - 2266+00

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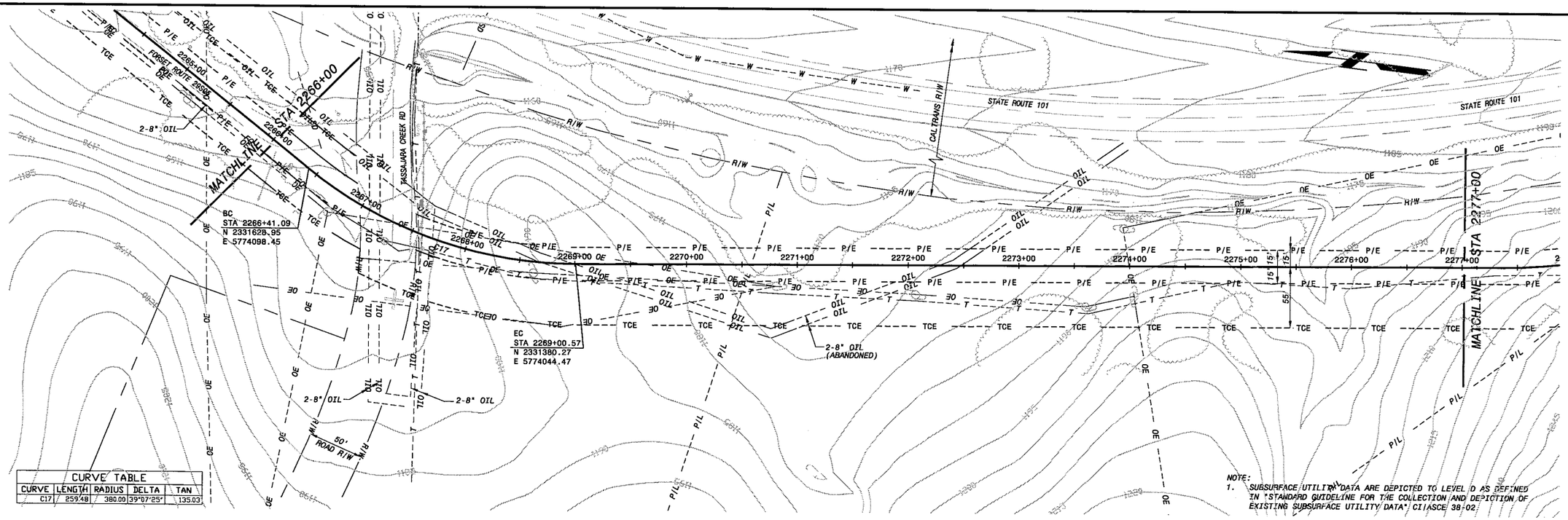
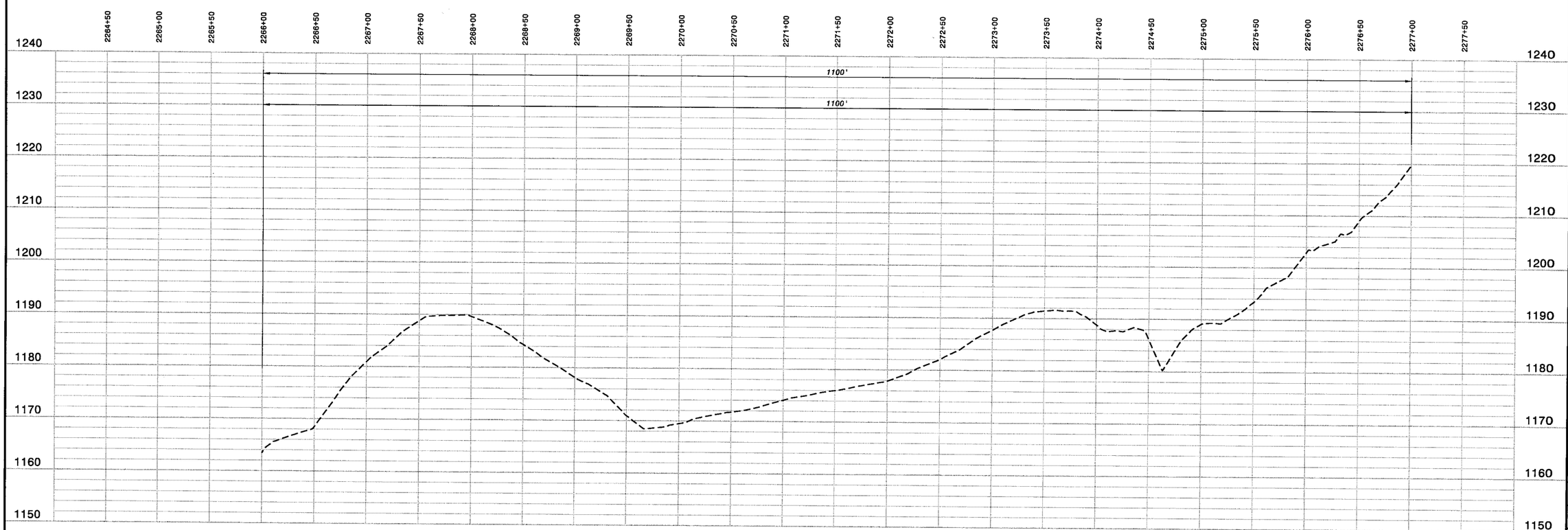
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	01
G1P-C110	SHEET OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C17	259.48	380.00	39°07'25"	135.03

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
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PRELIMINARY - NOT FOR CONSTRUCTION

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

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-C-BP1-E00007N2P
WF: BP1-G1-C101.dwg
SAVED: BUL41266, 1/4/2006 9:34:57 AM
PLOTTED:
XREF1: G1-C-TOP037, C-TOP038
XREF2: G1-C-HALN01
XREF3: G1-C-PROP01
XREF4: G1-C-UTIL01

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CIVIL
PLAN AND PROFILE STA 2266+00 - 2277+00

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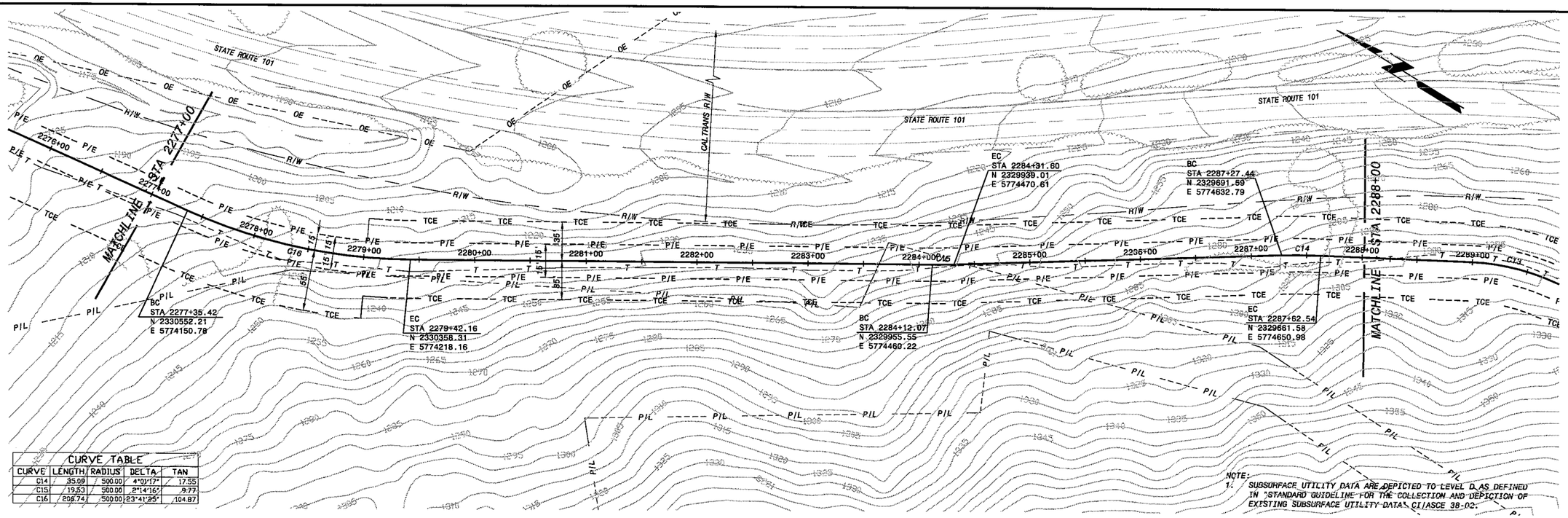
APPROVED:
DATE:

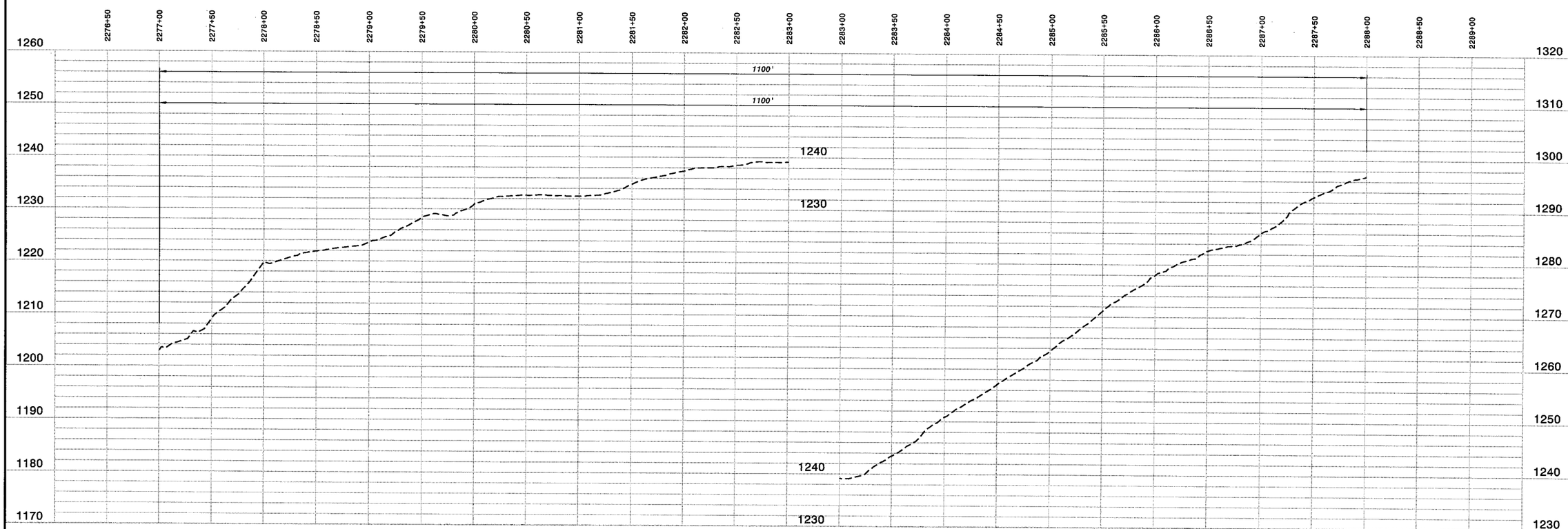
BV PROJECT NO.
137522
NWP PROJECT NO.
3000187.08
SPEC
01
G1P-C111
SHEET
OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C14	35.09	500.00	4°01'17"	17.55
C15	19.53	500.00	2°14'16"	9.77
C16	208.74	500.00	23°41'25"	104.87

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

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

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-C-BP1-E00007N2P
WF: BP1-01-C101.dwg
SAVED: BUL41266, 1/4/2006 9:34:57 AM
PLOTTED:
USER: BUL41266
DWG VER: 1.1
XREF1: C-TOPO37, C-TOPO38
XREF2: G1-C-HALN01
XREF3: G1-C-PROP01
XREF4: G1-C-UTIL01
XREF5:

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DATE:

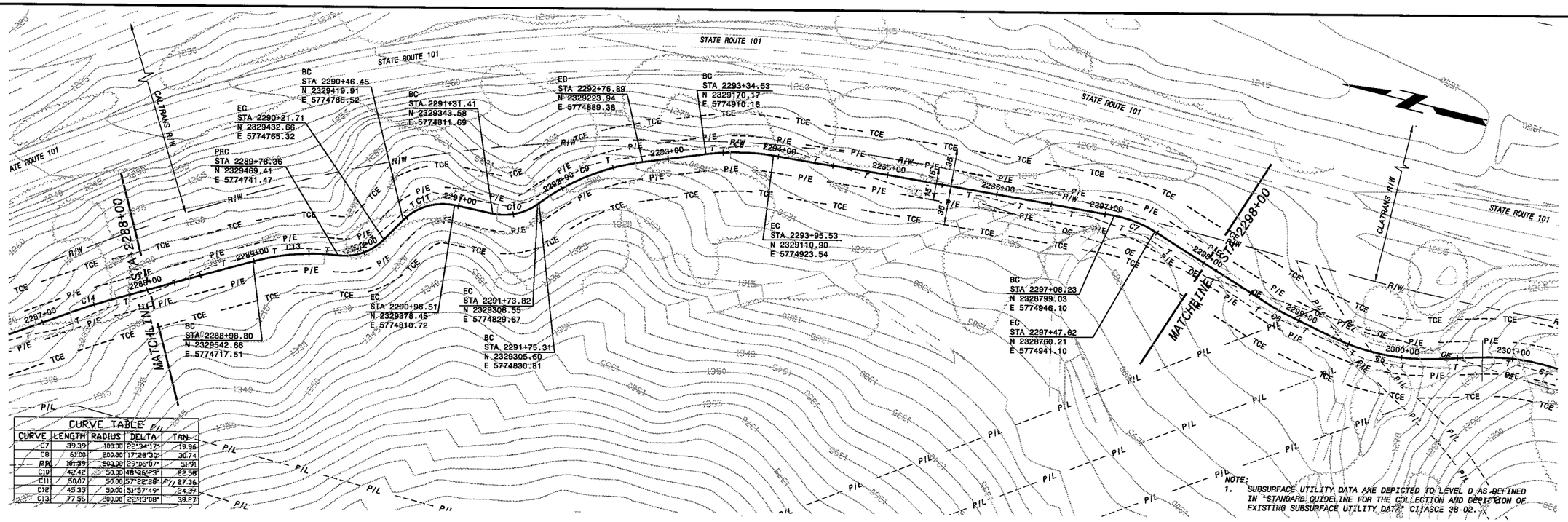
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

G1P-C112
SHEET
OF

F0137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C7	39.39	100.00	22°34'17"	19.96
C8	61.00	200.00	17°28'30"	30.74
C9	101.59	200.00	29°06'07"	51.91
C10	42.42	50.00	48°36'23"	22.58
C11	50.07	50.00	57°22'28"	27.36
C12	45.35	50.00	51°57'49"	24.37
C13	77.56	200.00	22°13'08"	39.27

NOTE:
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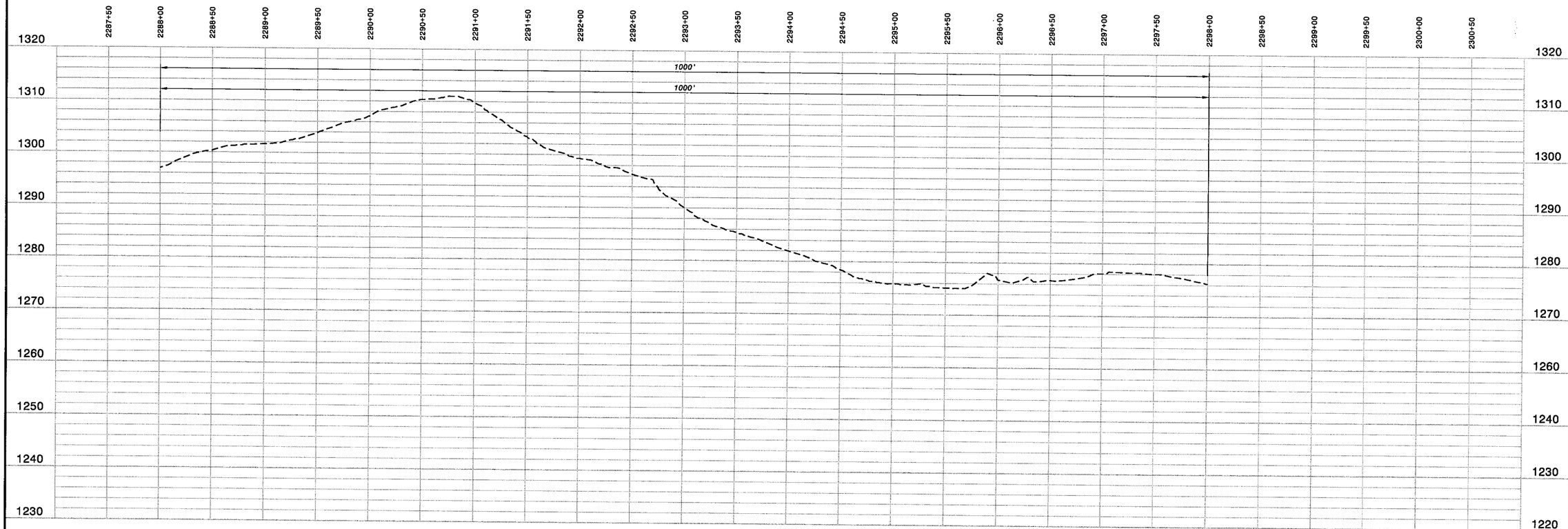

HOR: 1" = 50'
VER: 1" = 10'

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0 1/2 1
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DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-C-BP1-E00007N2P
WF: BP1-G1-C101.dwg
SAVED: BUL41266, 1/4/2006 9:34:57 AM
PLOTTED:
USER: BUL41266
DWG VER: 1.1
XREF1: C-TOP037, C-TOP038
XREF2: G1-C-HALN01
XREF3: G1-C-PROP01
XREF4: G1-C-UTIL01
XREF5:

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UNIT G1 - PIPELINE
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PLAN AND PROFILE STA 2288+00 - 2298+00

DESIGNED:
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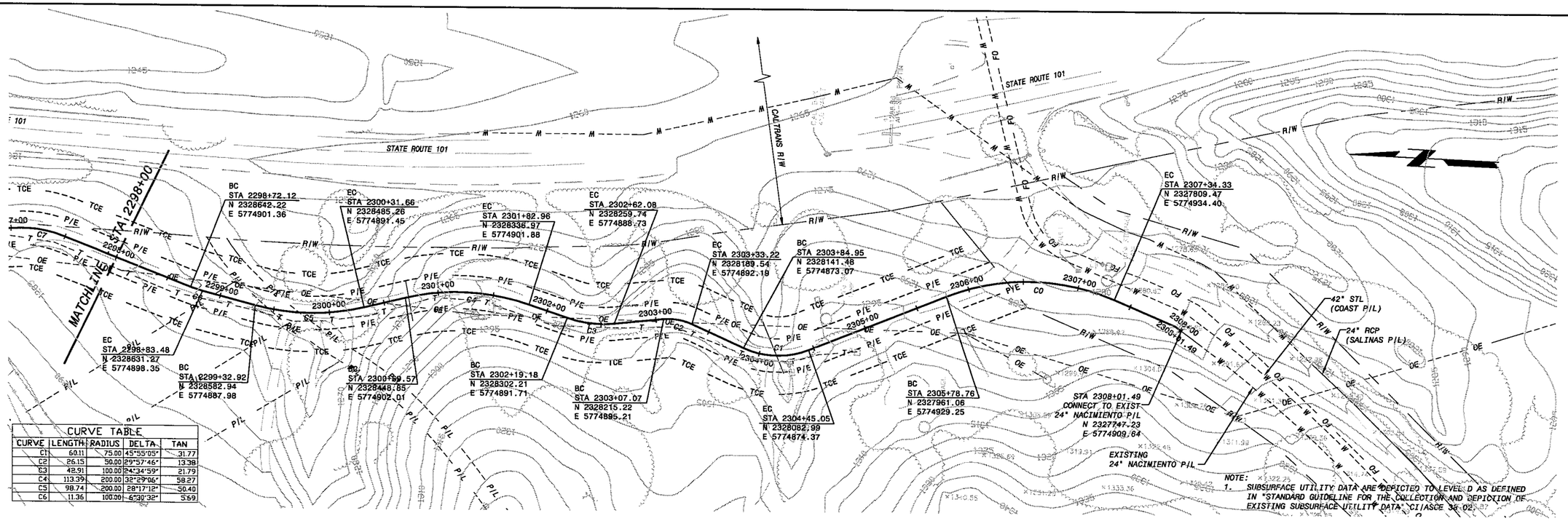
CHECKED:
APPROVED:
DATE:

BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 01
G1P-C113
SHEET OF

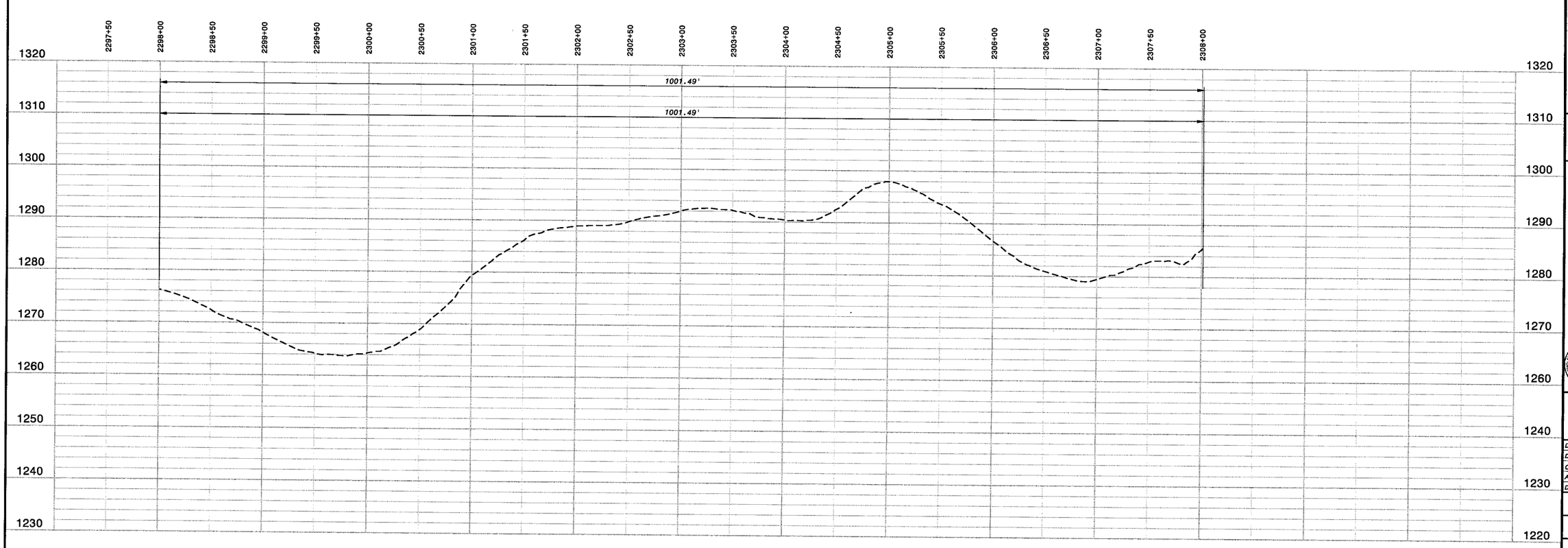
F0137522
D137522



NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA", CI/ASCE 38-02.

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TAN
C1	60.11	75.00	45°55'05"	31.77
C2	26.15	50.00	29°57'46"	13.38
C3	42.91	100.00	24°34'59"	21.79
C4	113.39	200.00	32°29'06"	58.27
C5	98.74	200.00	28°17'12"	50.40
C6	11.36	100.00	6°30'32"	5.69



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PRELIMINARY - NOT FOR CONSTRUCTION

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NO.	BY	CK	APP

DATE: REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP1-EG0007MXP
XREF1:C-TOPO37,C-TOPO38
ME: BP1-G1-C101.dwg
XREF2:G1-C-HALN01
SAVED: BULA1268, 1/4/2008 9:34:57 AM
XREF3:G1-C-PROP01
PLOTTED:
XREF4:G1-C-UTIL01
USER: BULA1268
XREF5:
DWG VER: 1.1

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CIVIL
PLAN AND PROFILE STA 2298+00 - 2308+01.49

DESIGNED:	
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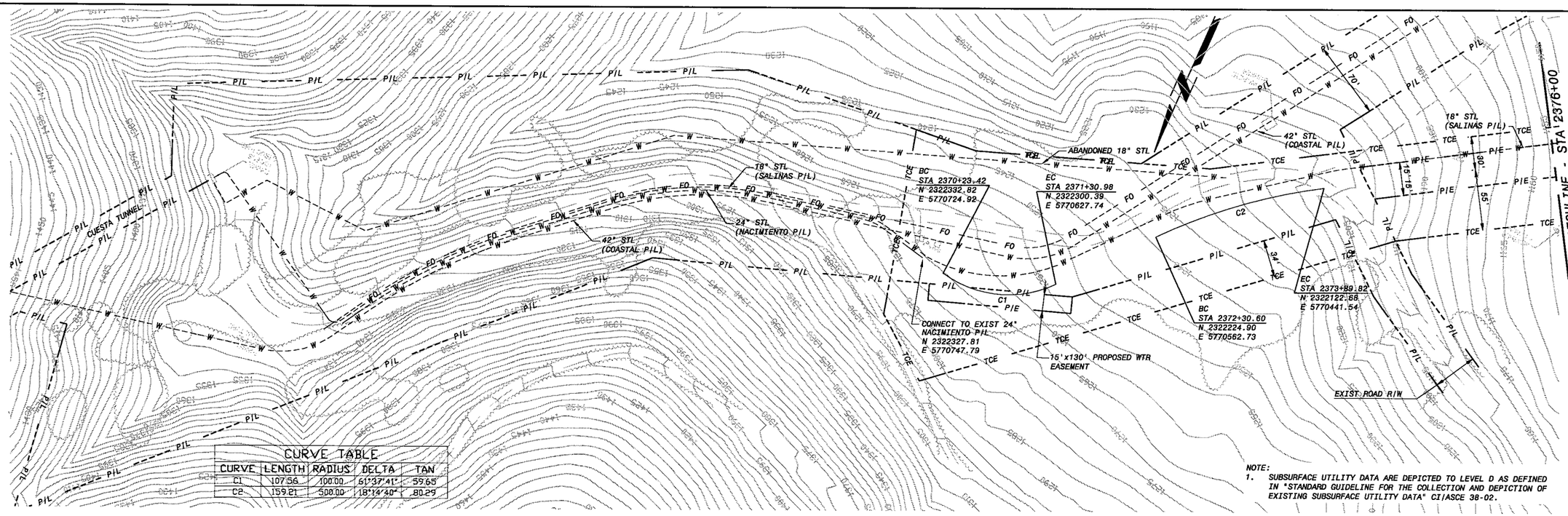
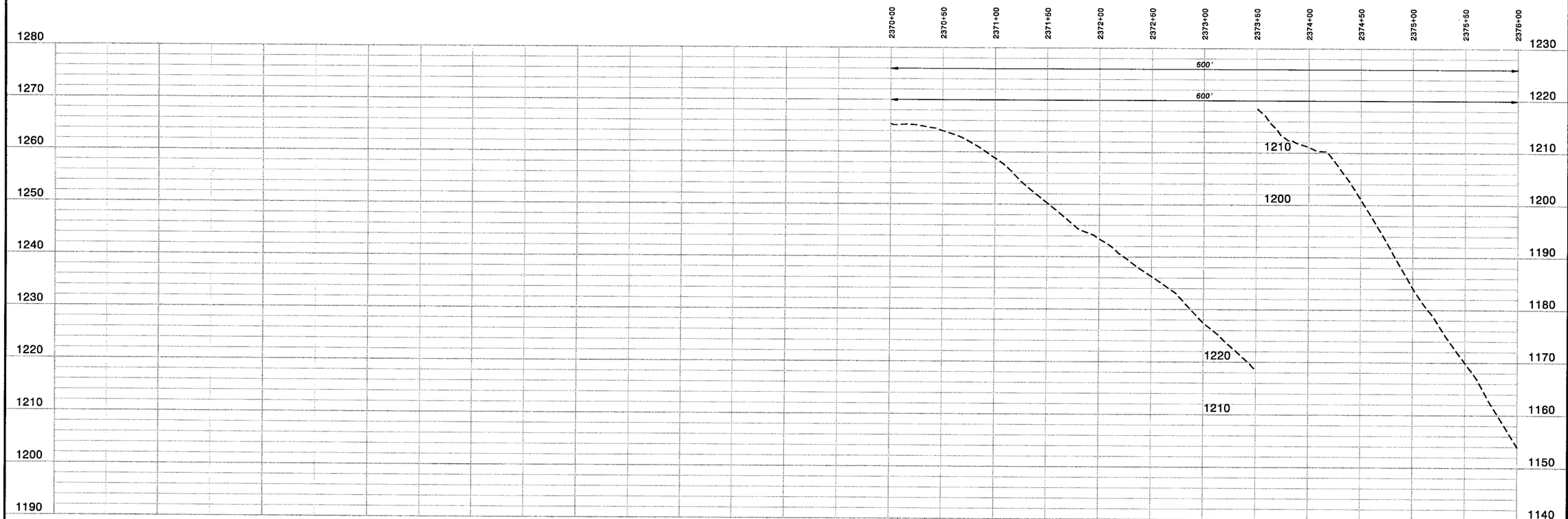
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	01
G1P-C114	SHEET OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C1	107.56	100.00	61°37'41"	59.68
C2	159.21	508.00	18°14'40"	80.29

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
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0 1/2 1
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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

CYDNET ID: 137522-C-BP1-E00007N2P
WF: BP1-G1-C101.dwg
SAVED: BULK1286, 1/4/2006 9:34:57 AM
PLOTTED:
USER: BULK1286

XREF1:C-TOPO41
XREF2:H1-C-HAUN01
XREF3:H1-C-PROP01
XREF4:H1-C-UTIL01
XREF5:

DWG VER: 1.1

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DATE:

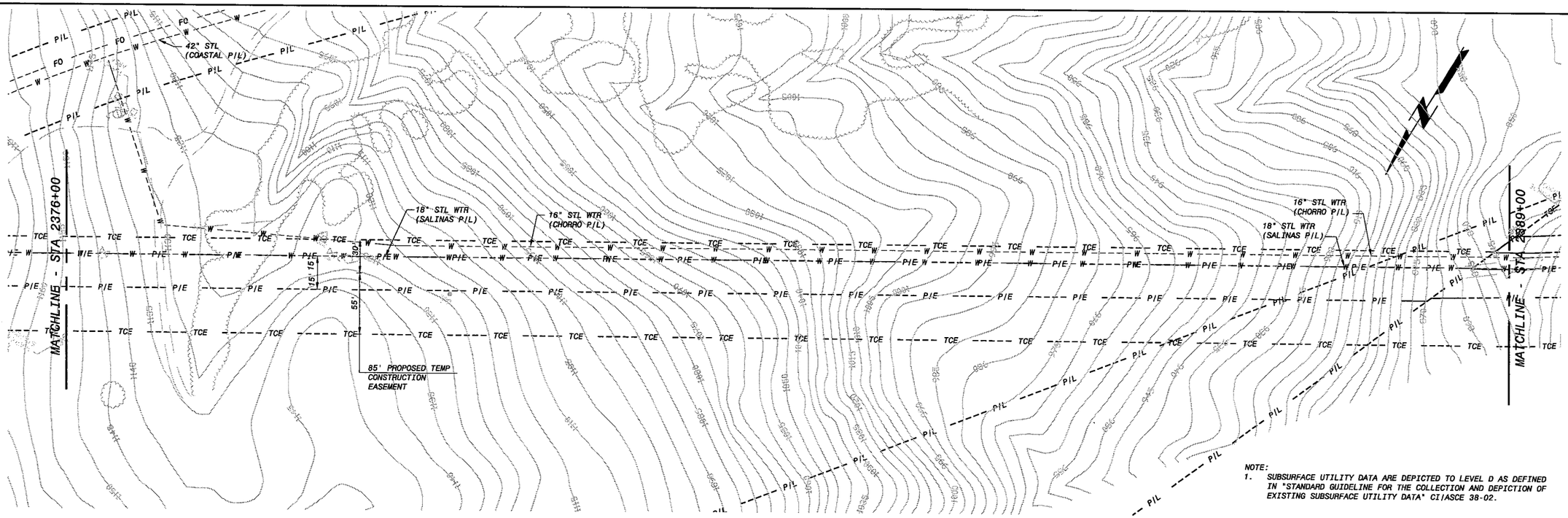
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

H1P-C101
SHEET
OF

FD137522
D137522



NOTE:
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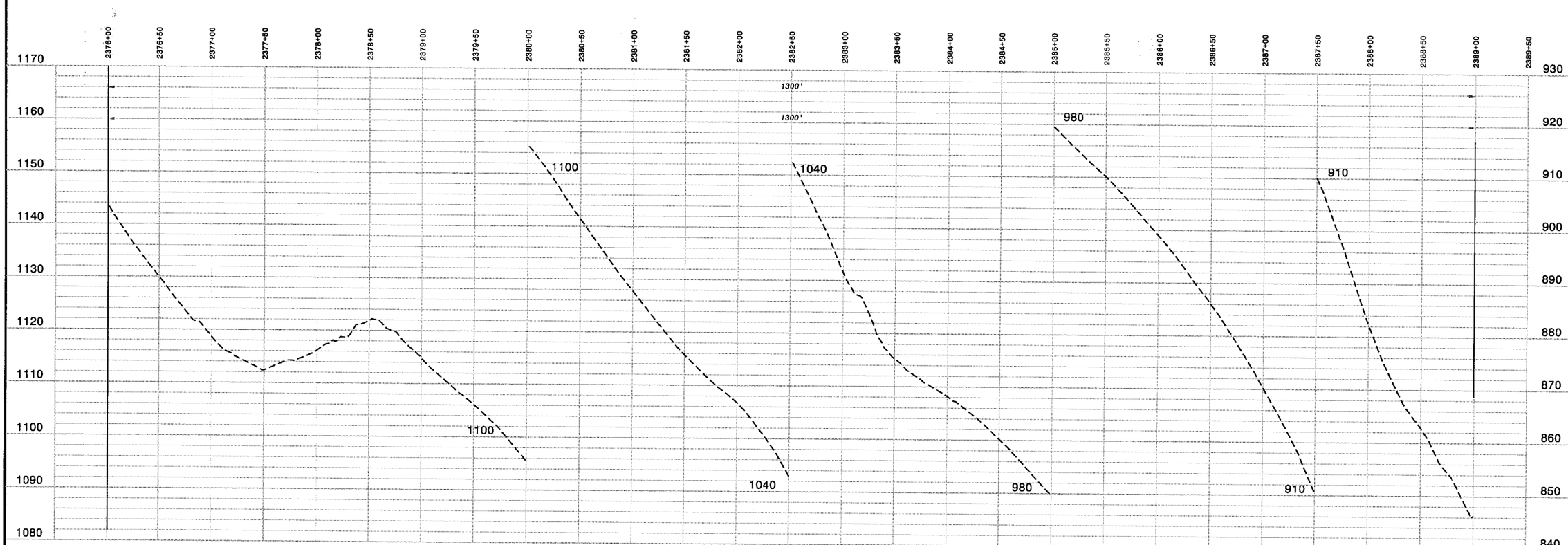

HOR: 1" = 50'
VER: 1" = 10'

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0 1/2 1
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DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-C-BP1-E00007N2P
WF: BP1-G1-C101.dwg
SAVED: BUL41266, 1/4/2006 9:34:57 AM
PLOTTED:
USER: BUL41266
DWG VER: 1.1
XREF1: C-TOPO41
XREF2: H1-C-HALN01
XREF3: H1-C-PROP01
XREF4: H1-C-UTIL01
XREF5:

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PLAN AND PROFILE STA 2376+00 - 2389+00

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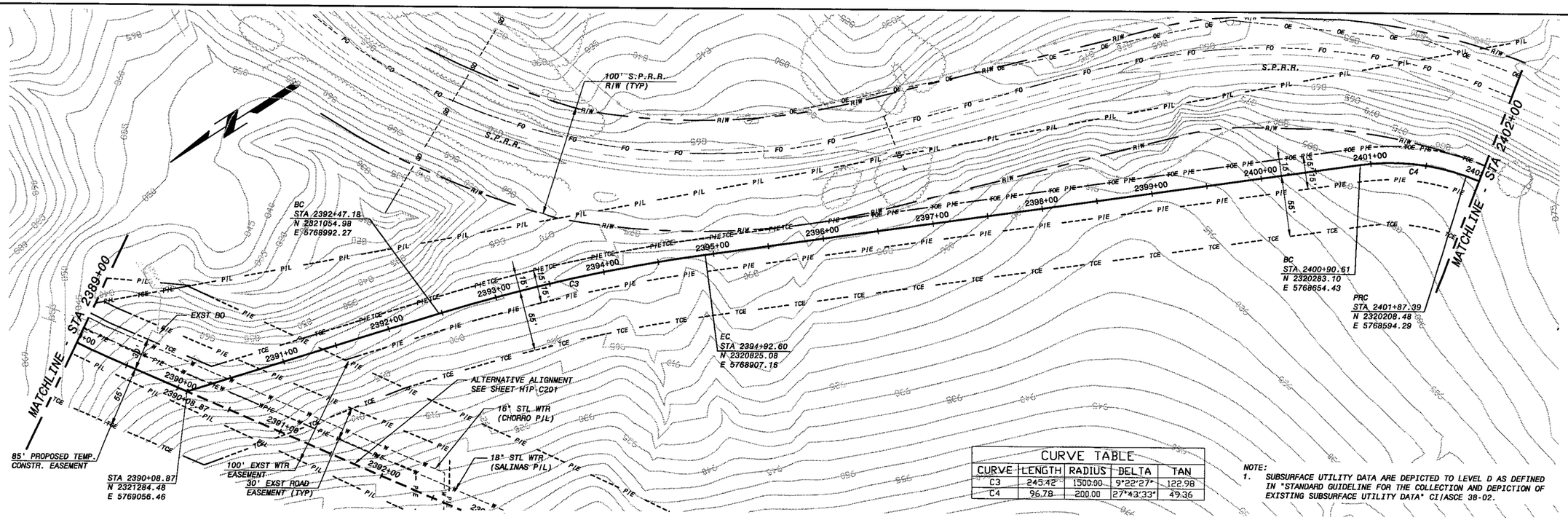
DATE:

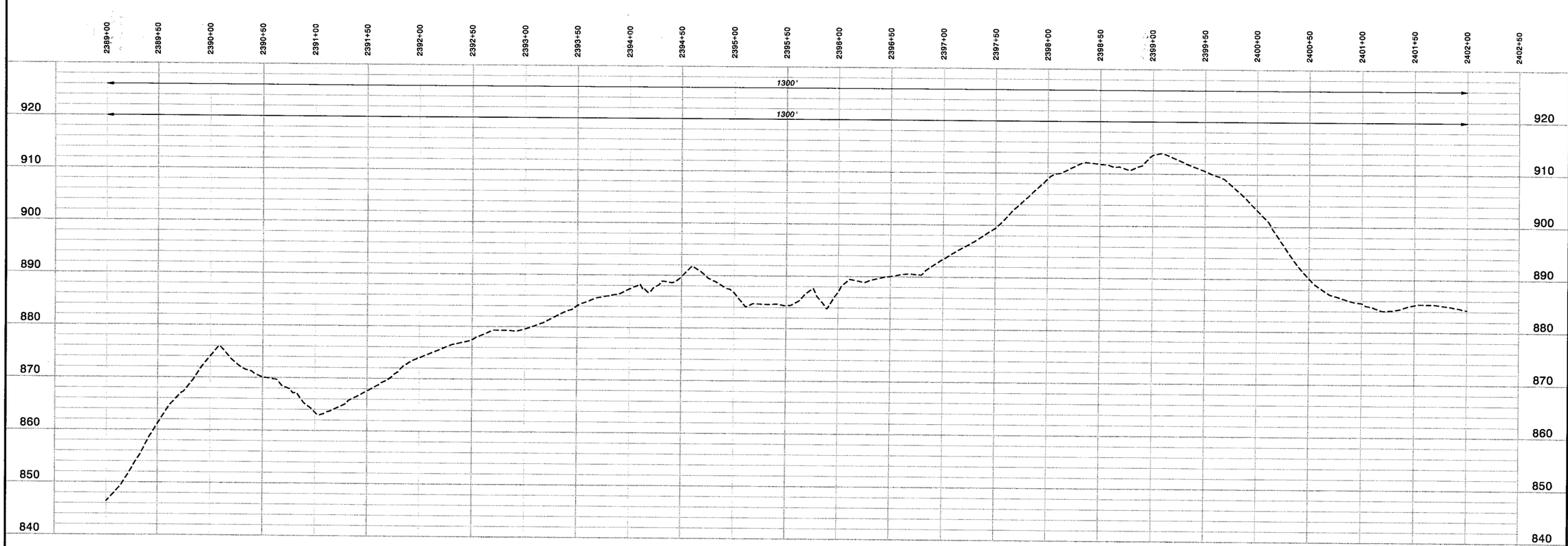
BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 01
H1P-C102
SHEET OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C3	245.42'	1500.00	9°22'27"	122.98
C4	96.78	200.00	27°43'33"	49.36

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



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VER: 1" = 10'

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NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

OYGNET ID: 137522-C-BP1-E0000TN2P
XREF1:C-TOPO41
WF: BP1-G1-C101.dwg
XREF2:H1-C-HALN01
SAVED: BUL41266, 1/4/2008 9:34:57 AM
XREF3:H1-C-PROP01
PLOTTED:
XREF4:H1-C-UTIL01
USER: BUL41266
DWG VER: 1.1
XREF5:C-TOPO42

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CIVIL
PLAN AND PROFILE STA 2389+00 - 2402+00

DESIGNED:	
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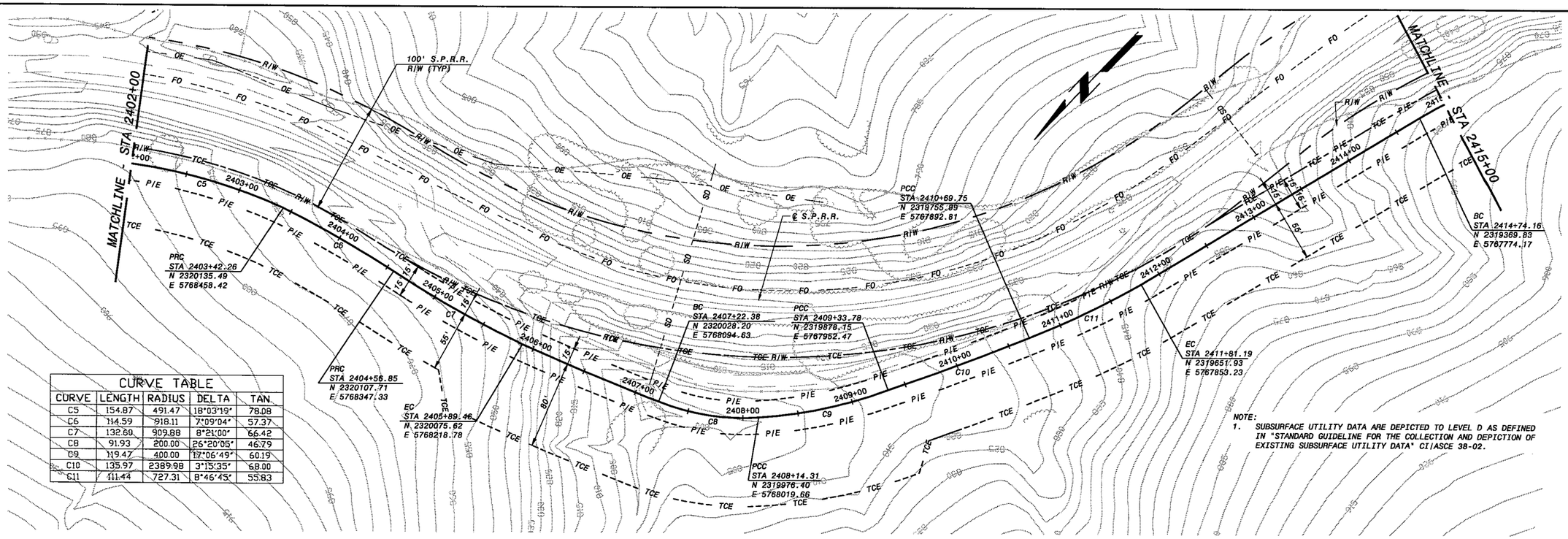
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	01
SHEET	H1P-C103
OF	

FD137822
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C5	154.87	491.47	18°03'19"	78.08
C6	114.59	918.11	7°09'04"	57.37
C7	132.60	909.88	8°21'00"	66.42
C8	91.93	200.00	26°20'05"	46.79
C9	119.47	400.00	17°06'49"	60.19
C10	135.97	2389.98	3°15'35"	68.00
C11	111.44	727.31	8°46'45"	55.83

NOTE:
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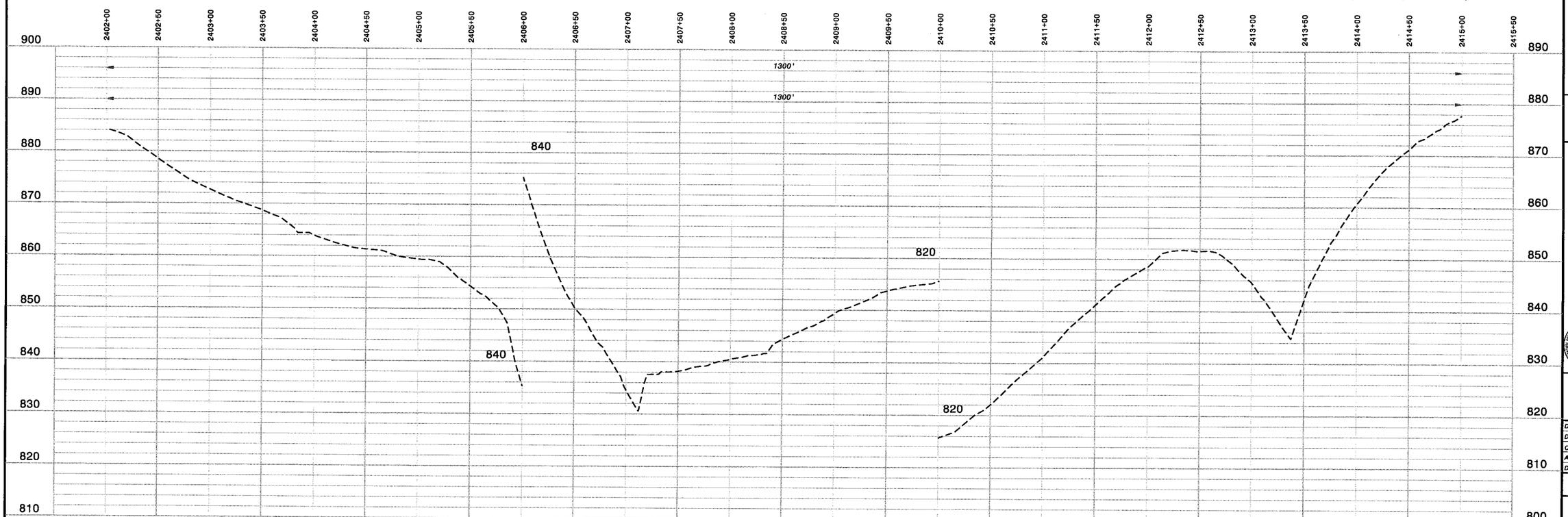

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0 1/2 1
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DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-C-BP1-E00007N2P
WF: BP1-G1-C101.dwg
SAVED: BUL41266, 1/4/2006 9:34:57 AM
PLOTTED:
USER: BUL41266
DWG VER: 1.1
XREF1: C-TOPO41
XREF2: H1-C-HALN01
XREF3: H1-C-PROP01
XREF4: H1-C-UTIL01
XREF5: C-TOPO42

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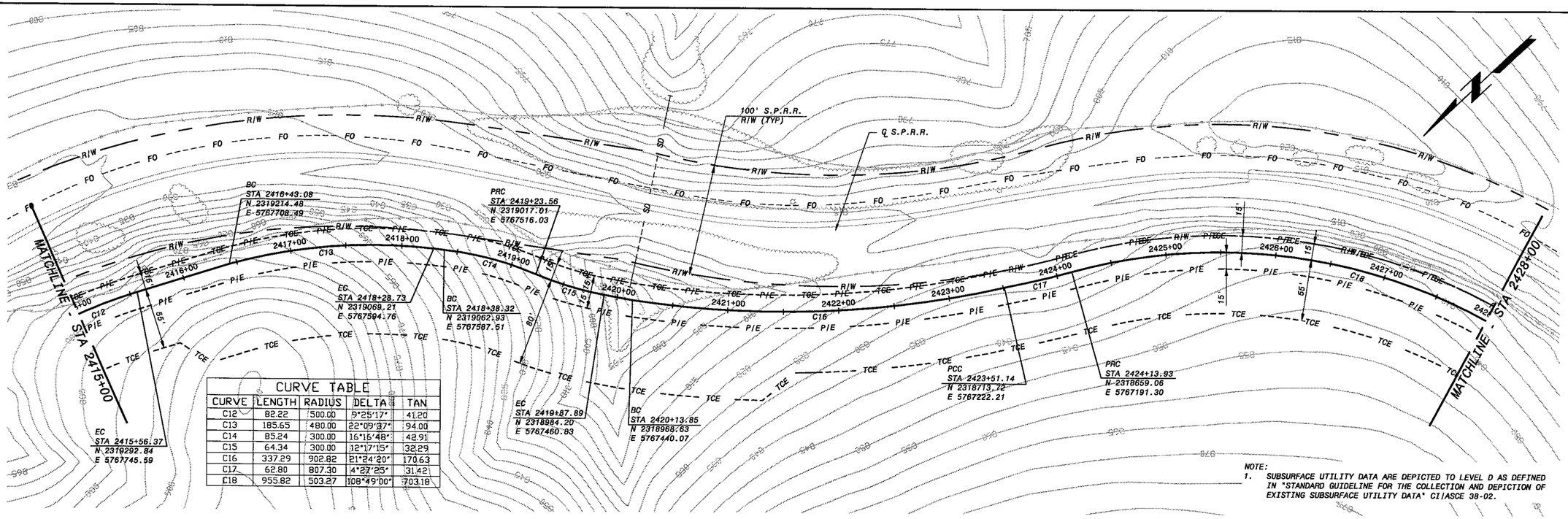
San Luis Obispo County, Monterey County & Water Conservation District

UNIT H1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2412+00 - 2415+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 01
H1P-C104
SHEET OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C12	82.22	500.00	9°25'17"	41.20
C13	185.65	480.00	22°09'37"	94.00
C14	85.24	300.00	16°16'48"	42.91
C15	64.34	300.00	12°17'15"	32.29
C16	337.29	902.82	21°24'20"	170.63
C17	62.80	807.30	4°27'25"	31.42
C18	955.82	503.27	108°49'00"	703.18

NOTE:
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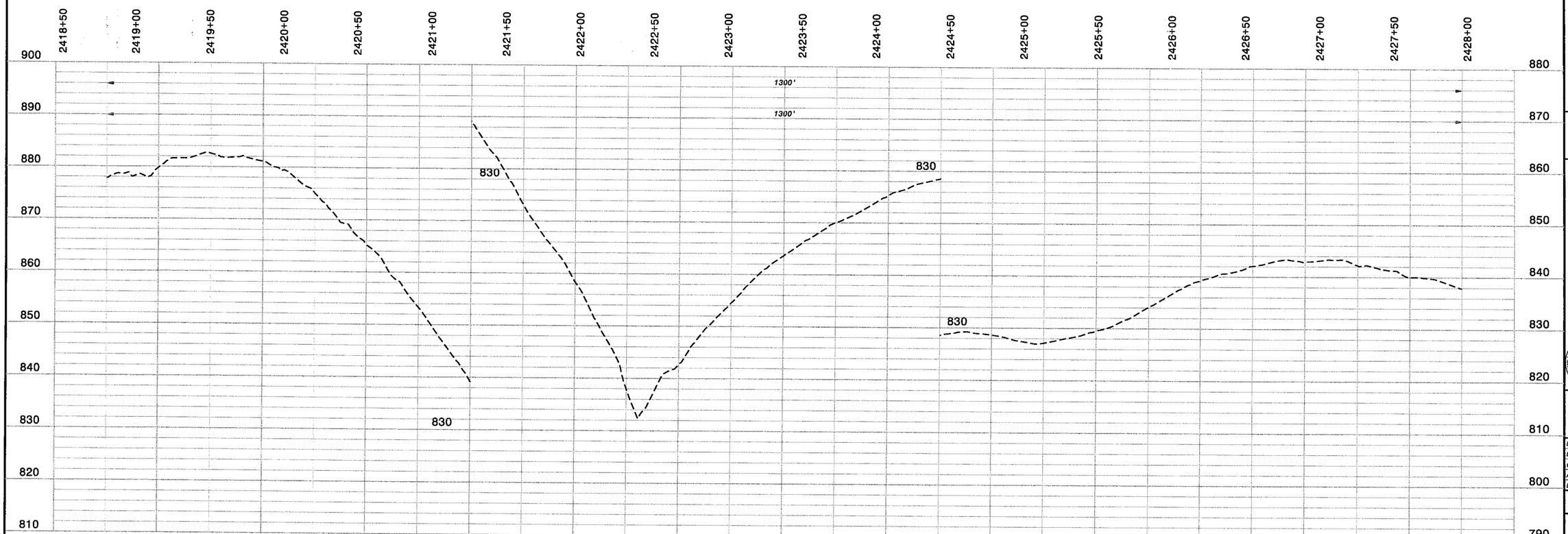

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0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

NO.	BY	CK	APP

DATE | REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-BP1-E00007N2P
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USER: BUL41266
DWG VER: 1.1

XREF1:C-TOPO41
XREF2:H1-C-HALN01
XREF3:H1-C-PROP01
XREF4:H1-C-UTIL01
XREF5:C-TOPO42

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ENERGY WATER INFORMATION GOVERNMENT

BOYLE
ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT
San Luis Obispo County, Flood Control & Water Conservation District

UNIT H1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2415+00 - 2428+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

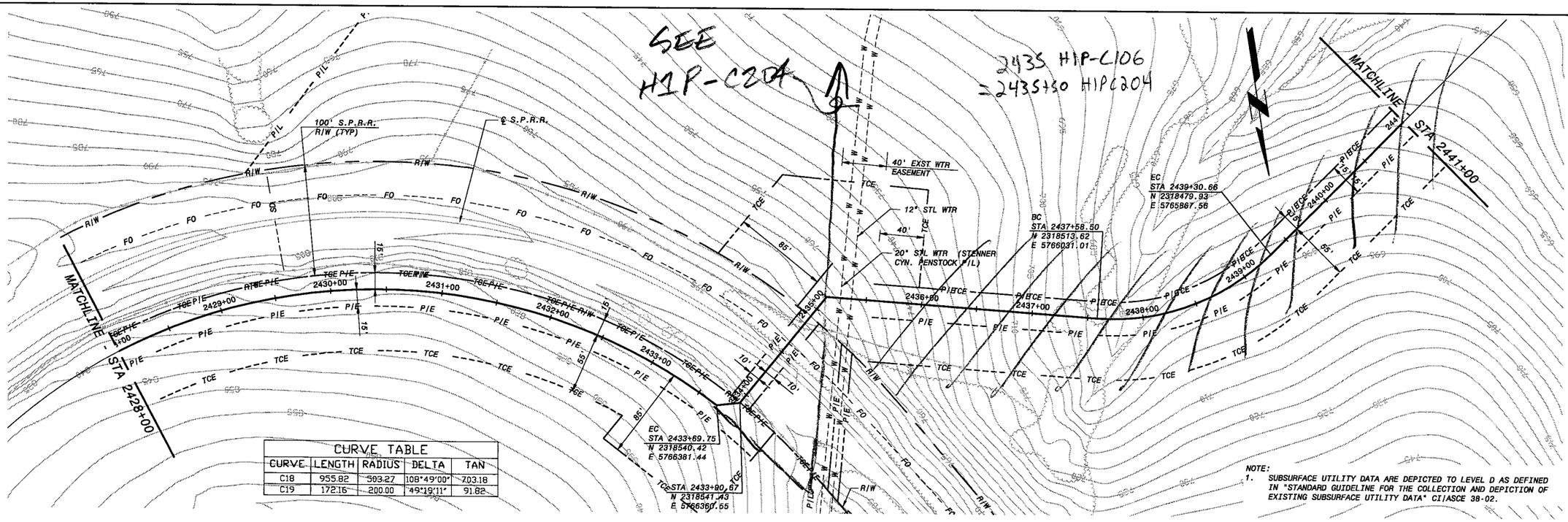
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

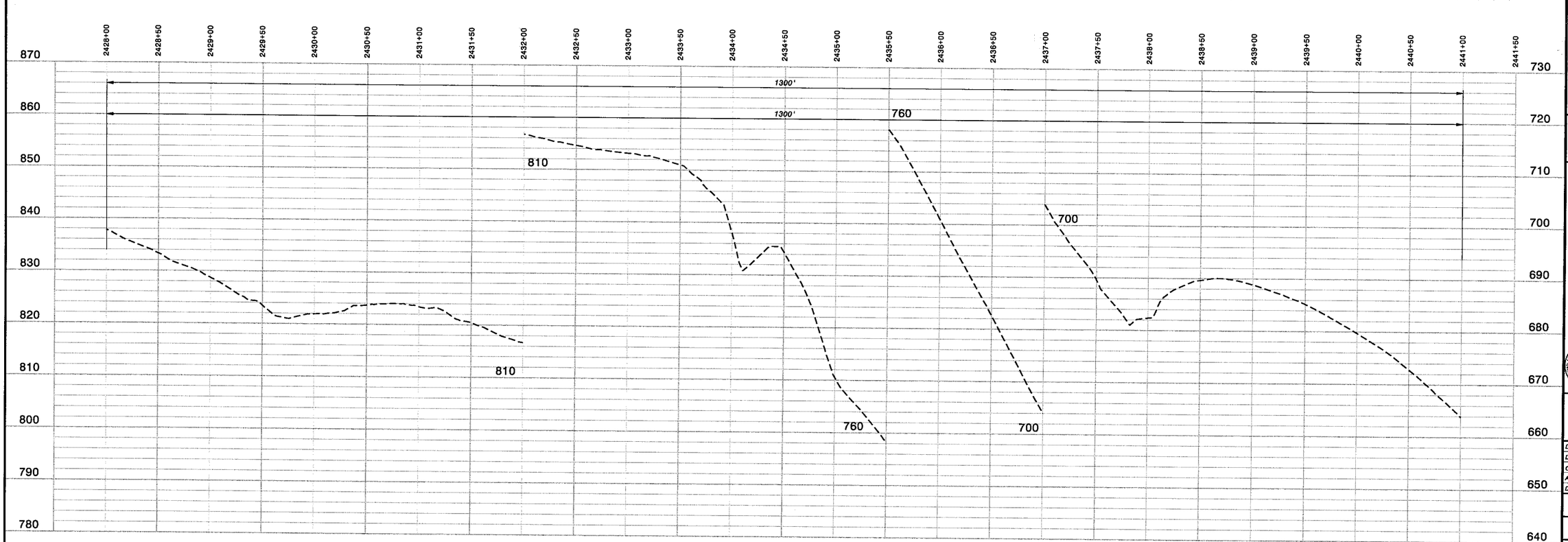
H1P-C105
SHEET
OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C18	955.82	503.27	108°49'00"	703.18
C19	172.16	200.00	49°19'11"	91.82

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely. 1-800-227-2600

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

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-C-BP1-E00007N2P
WF: BP1-G1-C101.dwg
SAVED: BUL41266, 1/4/2006 9:34:57 AM
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USER: BUL41266
DWG VER: 1.1
XREF1: C-TOPO41
XREF2: H1-C-HALN01
XREF3: H1-C-PROP01
XREF4: H1-C-UTIL01
XREF5: C-TOPO42

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BOYLE ENGINEERING CORPORATION

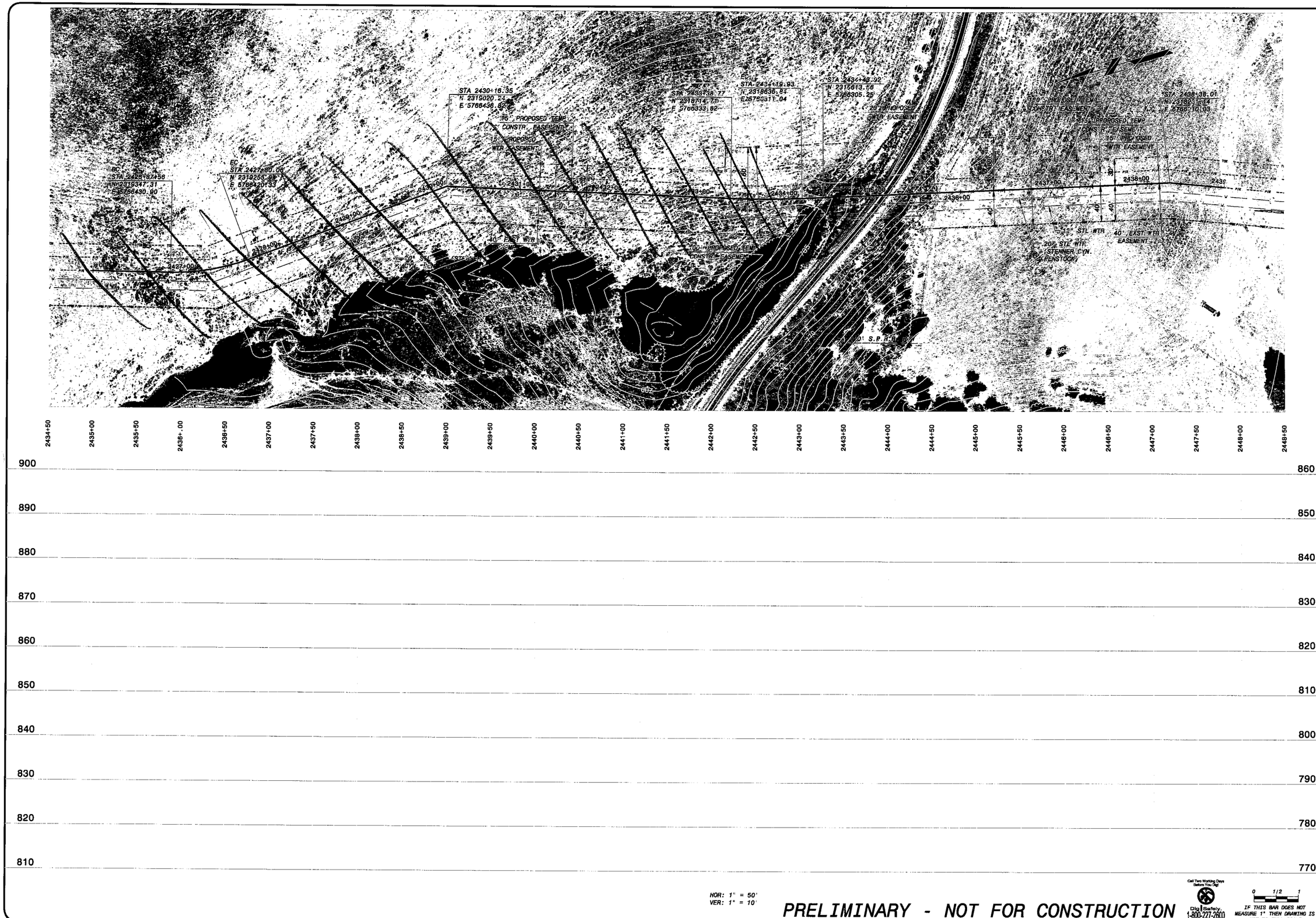
NWP NACIMIENTO WATER PROJECT
Sustainable Water Conservation District

UNIT H1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2428+00 - 2441+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 01
H1P-C106
SHEET
OF

FD137522
D137522



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely.
1-800-227-2600

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

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-C-BP1-E00007N2P
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XREF3: H1-C-PROP01
XREF4: H1-C-UTIL01
XREF5:

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ENERGY WATER INFORMATION GOVERNMENT

BOYLE
ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT

UNIT H1 - PIPELINE (ALTERNATIVE ALIGNMENT)
CIVIL
PLAN AND PROFILE STA 2426+00 - 2439+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

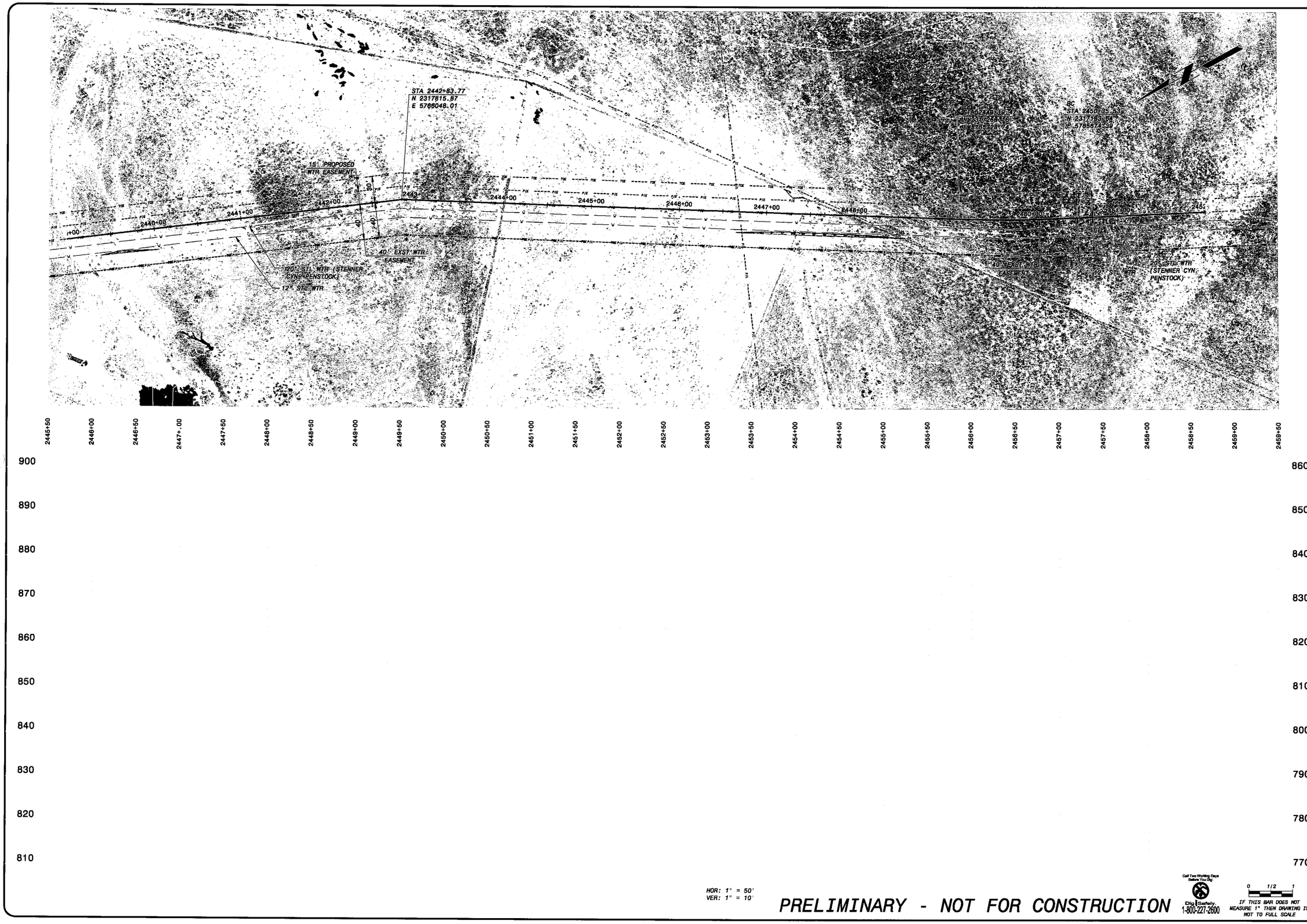
BV PROJECT NO.
137522

NWP PROJECT NO.
3000187.08

SPEC
01

H1P-C204
SHEET
OF

F0137522
D137522



PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely. 1-800-227-2600

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

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-C-BP1-E00007N2P
WF: BP1-G1-C101.dwg
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XREF5:

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BOYLE ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT

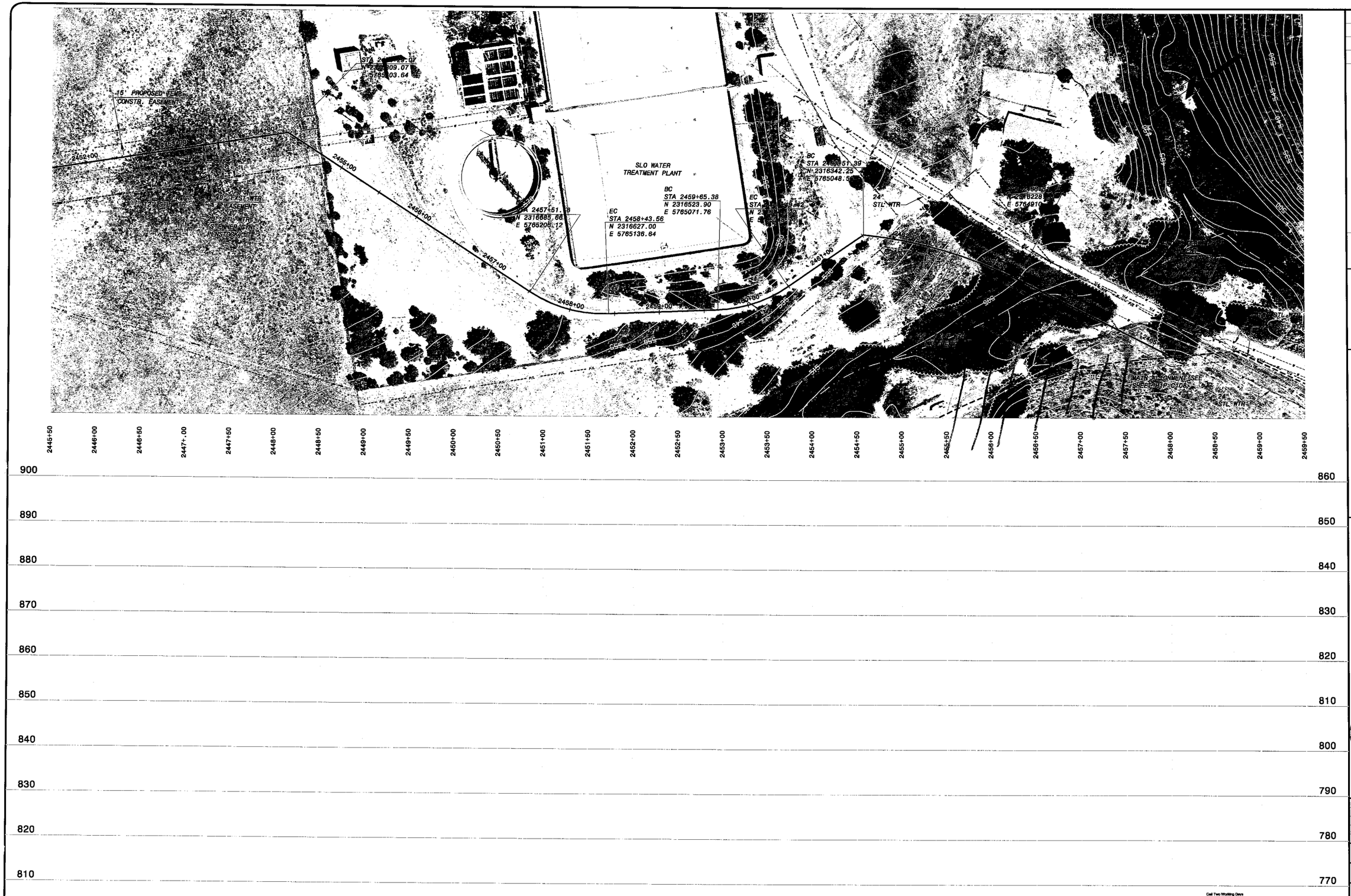
UNIT H1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2439+00 - 2452+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 01

H1P-C205
SHEET
OF

FD137522
D137522



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely. 1-800-227-2600

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

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-C-BP1-E00007N2P
WF: BP1-G1-C101.dwg
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XREF1: C-TOPO42
XREF2: H1-C-HALN01
XREF3: H1-C-PROP01
XREF4: H1-C-UTIL01
XREF5:

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NWP NACIMIENTO WATER PROJECT

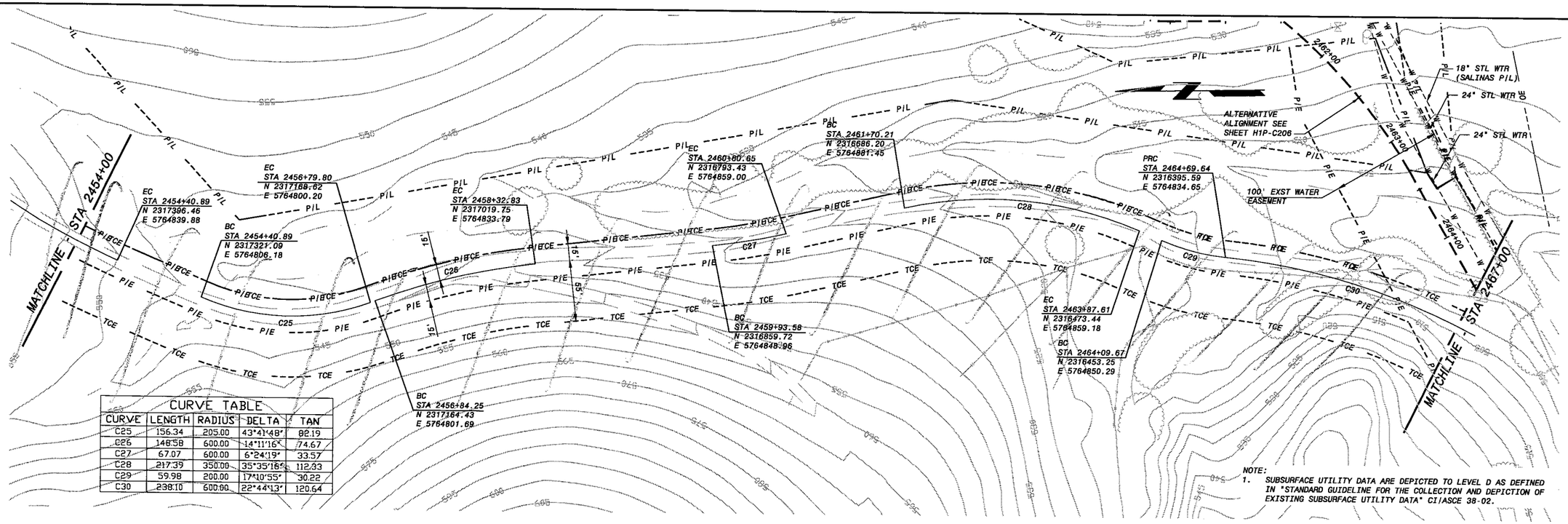
UNIT H1 - PIPELINE (ALTERNATIVE ALIGNMENT)
CIVIL
PLAN AND PROFILE STA 2452+00 - 2465+24.34

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 01

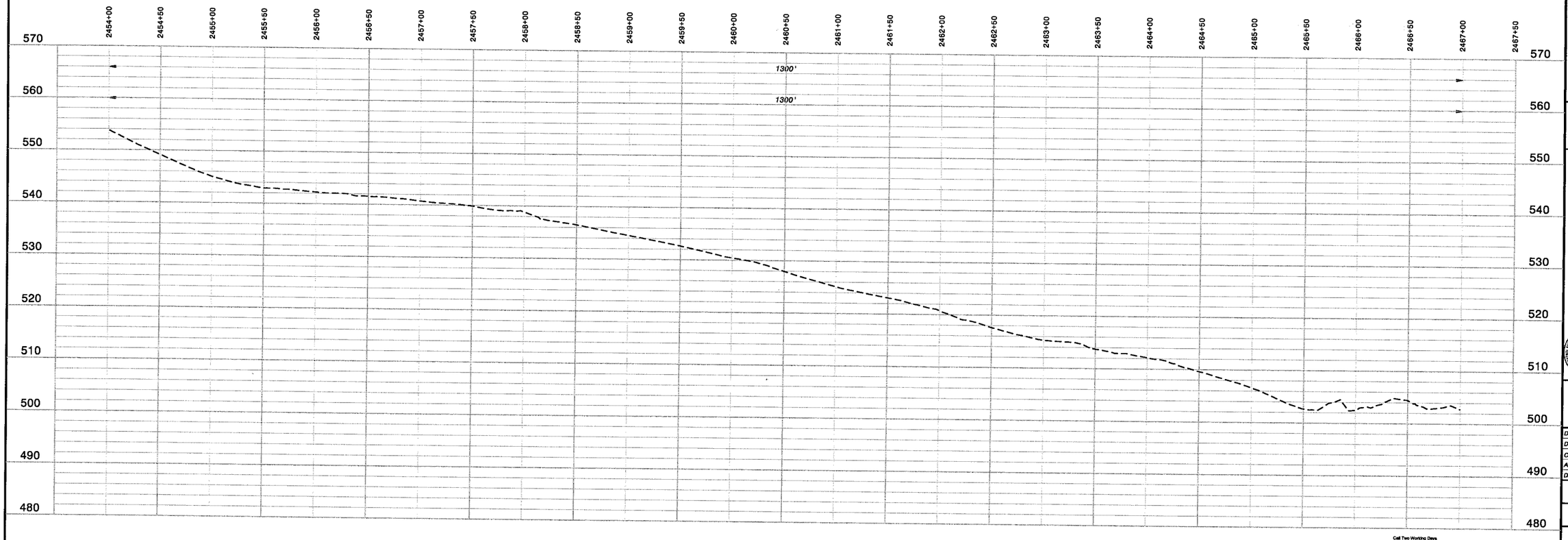
H1P-C206
SHEET
OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C25	156.34	205.00	43°41'48"	82.19
C26	148.58	600.00	14°11'16"	74.67
C27	67.07	600.00	6°24'19"	33.57
C28	217.39	350.00	35°35'16"	112.33
C29	59.98	200.00	17°10'55"	30.22
C30	238.10	600.00	22°44'13"	120.64

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely. 1-800-227-2600

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

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
CYGNET ID: 137522-C-BP1-E00007N2P	XREF1:C-TOPO41				
WF:BP1-G1-C101.dwg	XREF2:H1-C-HALN01				
SAVED:BUL41266, 1/4/2006 9:34:57 AM	XREF3:H1-C-PROP01				
PLOTTED:	XREF4:H1-C-UTIL01				
USER:BUL41266	DWG VER:1.1				

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BOYLE ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

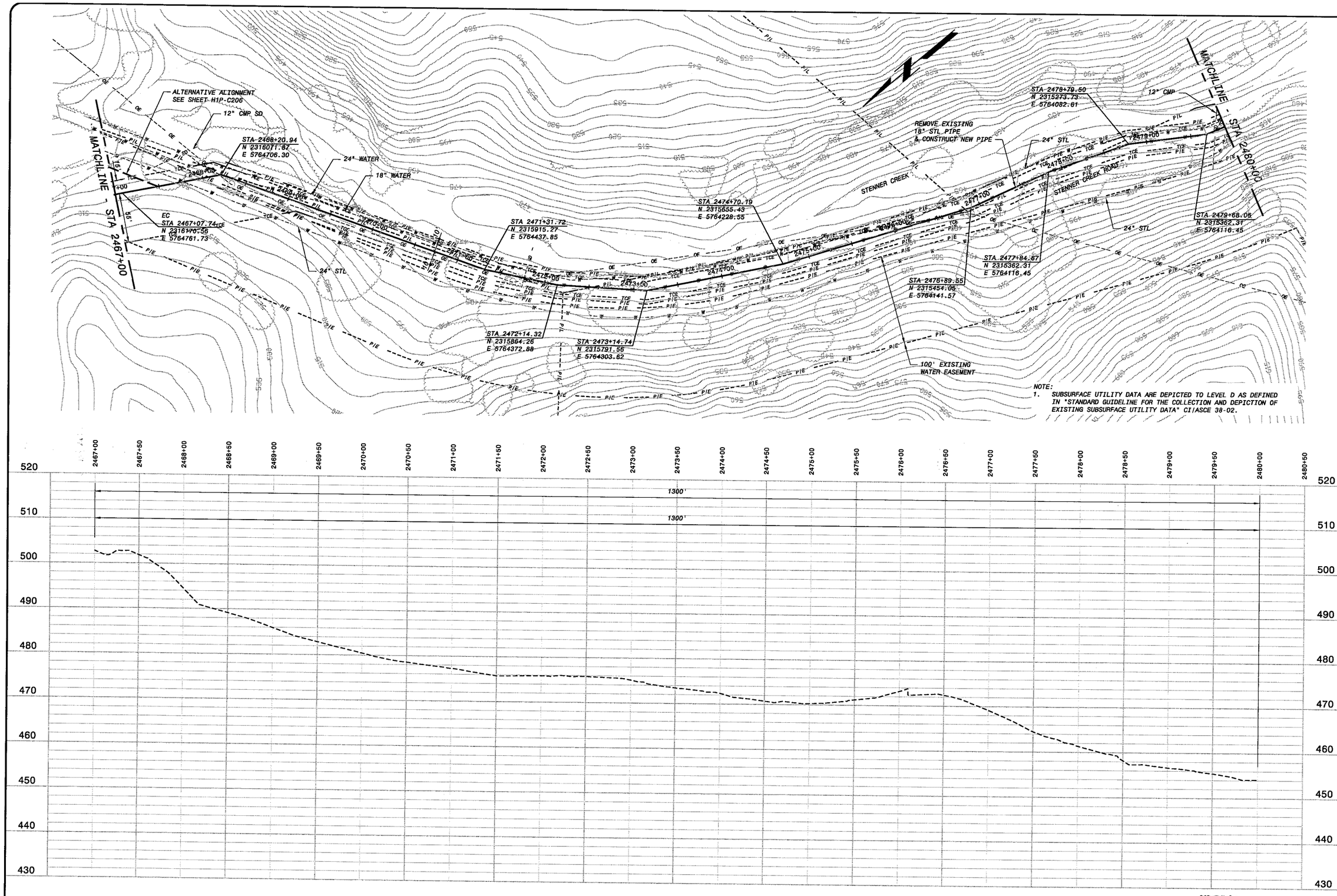
UNIT H1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2454+00 - 2467+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 01

H1P-C108
SHEET
OF

F0137522
D137522



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely. 1-800-227-2600

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

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
CYGNET ID: 137522-C-BP1-E00007N2P	XREF1:C-TOPO42				
WF: BP1-G1-C101.dwg	XREF2:H1-C-HALN01				
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PLOTTED:	XREF4:H1-C-UTIL01				
USER: BUL41266	DWG VER: 1.1	XREF5:			

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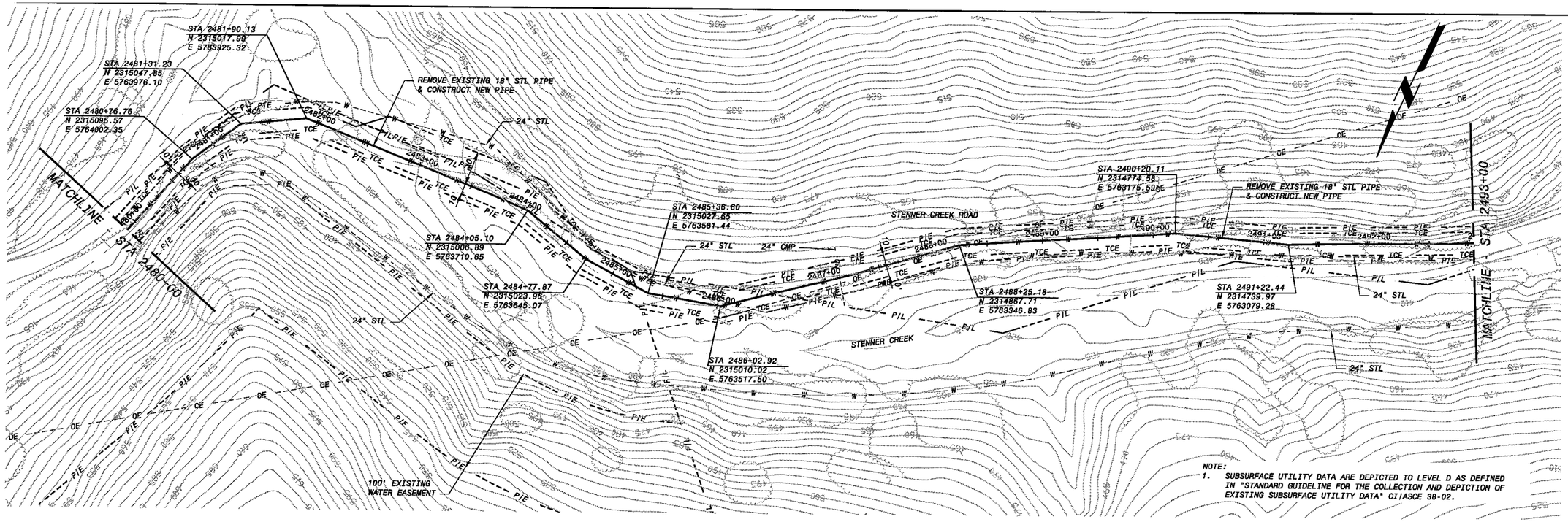
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Water Control & Water Conservation Design

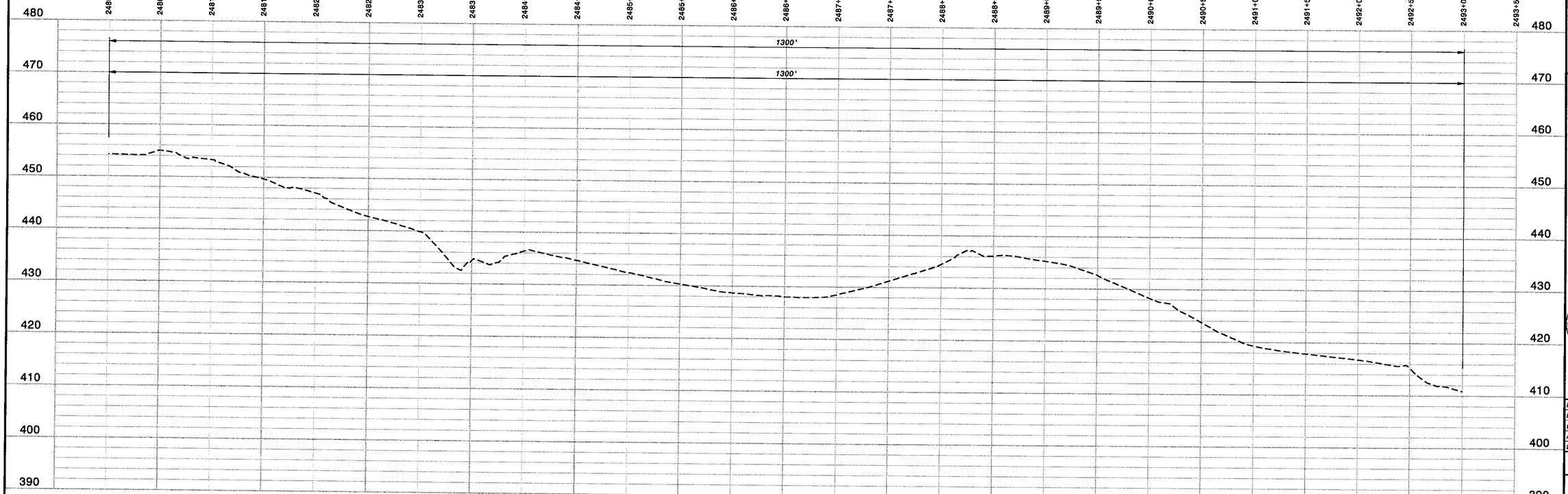
UNIT H1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2467+00 - 2480+00

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 01
H1P-C109
SHEET
OF

FD137522
D137522





HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely. 1-800-227-2600

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

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

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WF: BP1-G1-C101.dwg
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XREF3:H1-C-PROP01
PLOTTED:
XREF4:H1-C-UTIL01
USER: BULA1266
DWG VER: 1.1
XREF5:

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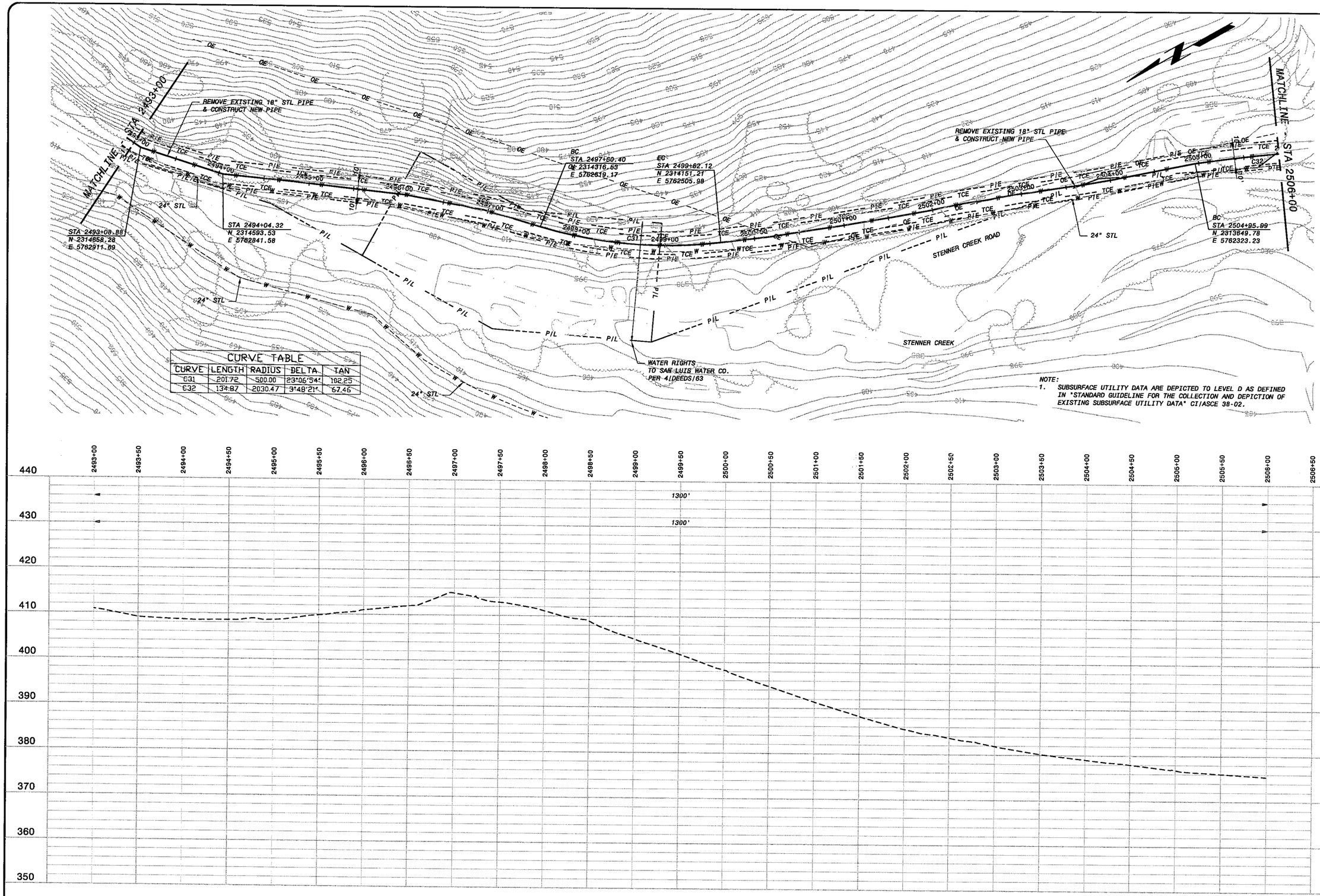
BOYLE ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT H1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2480+00 - 2493+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	01
H1P-C110	SHEET OF

FD137522
D137522



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TAN
C31	201.72	500.00	23°06'54"	102.25
C32	134.87	2030.47	3°48'21"	67.46

NOTE:
1. SUBSURFACE UTILITY DATA ARE DEPICTED TO LEVEL D AS DEFINED IN "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CI/ASCE 38-02.

HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig! Dig Safely. 1-800-227-2600

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

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

CYGNET ID: 137522-C-DP1-E00007N2P
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PLOTTED:
USER: BULK1286
DWG VER: 1.1

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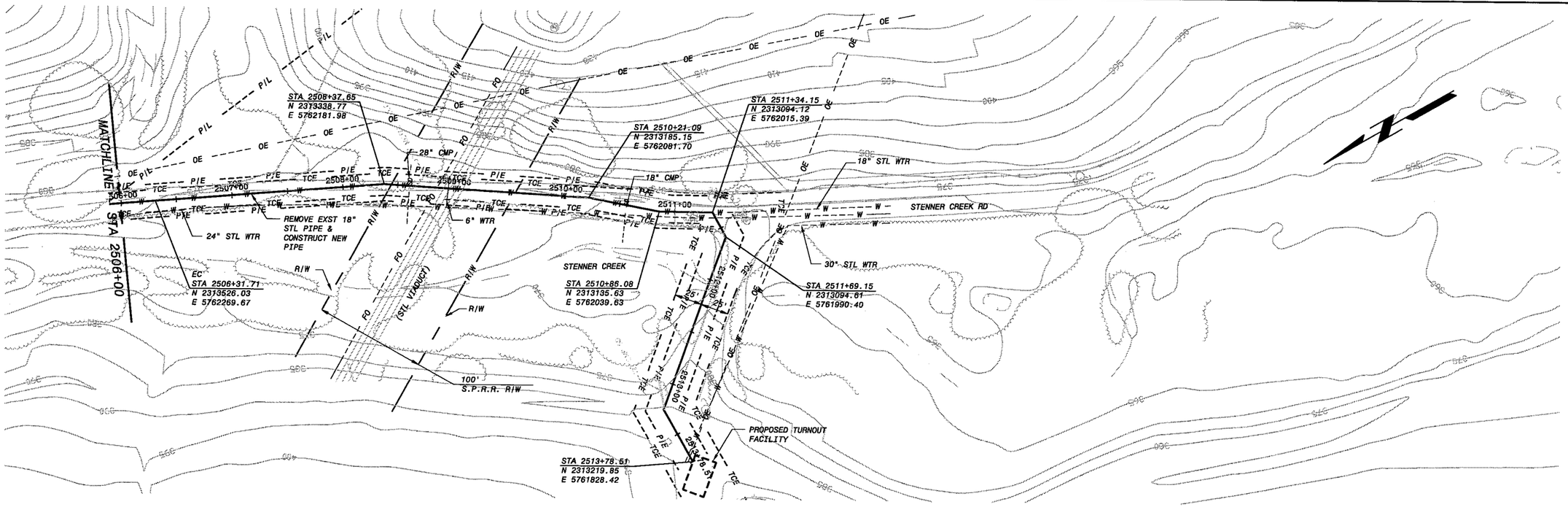
BOYLE
engineering corporation

NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT H1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2493+00 - 2506+00

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	01
H1P-C111	
SHEET OF	

FD137522
D137522



HOR: 1" = 50'
VER: 1" = 10'

PRELIMINARY - NOT FOR CONSTRUCTION

Call Two Working Days Before You Dig!
Dig Safely. 1-800-227-2600

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

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-C-BP1-E00007N2P
WF: BP1-G1-C101.dwg
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XREF2: H1-C-HALN01
XREF3: H1-C-PROP01
XREF4: H1-C-UTIL01
XREF5:

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BOYLE ENGINEERING CORPORATION

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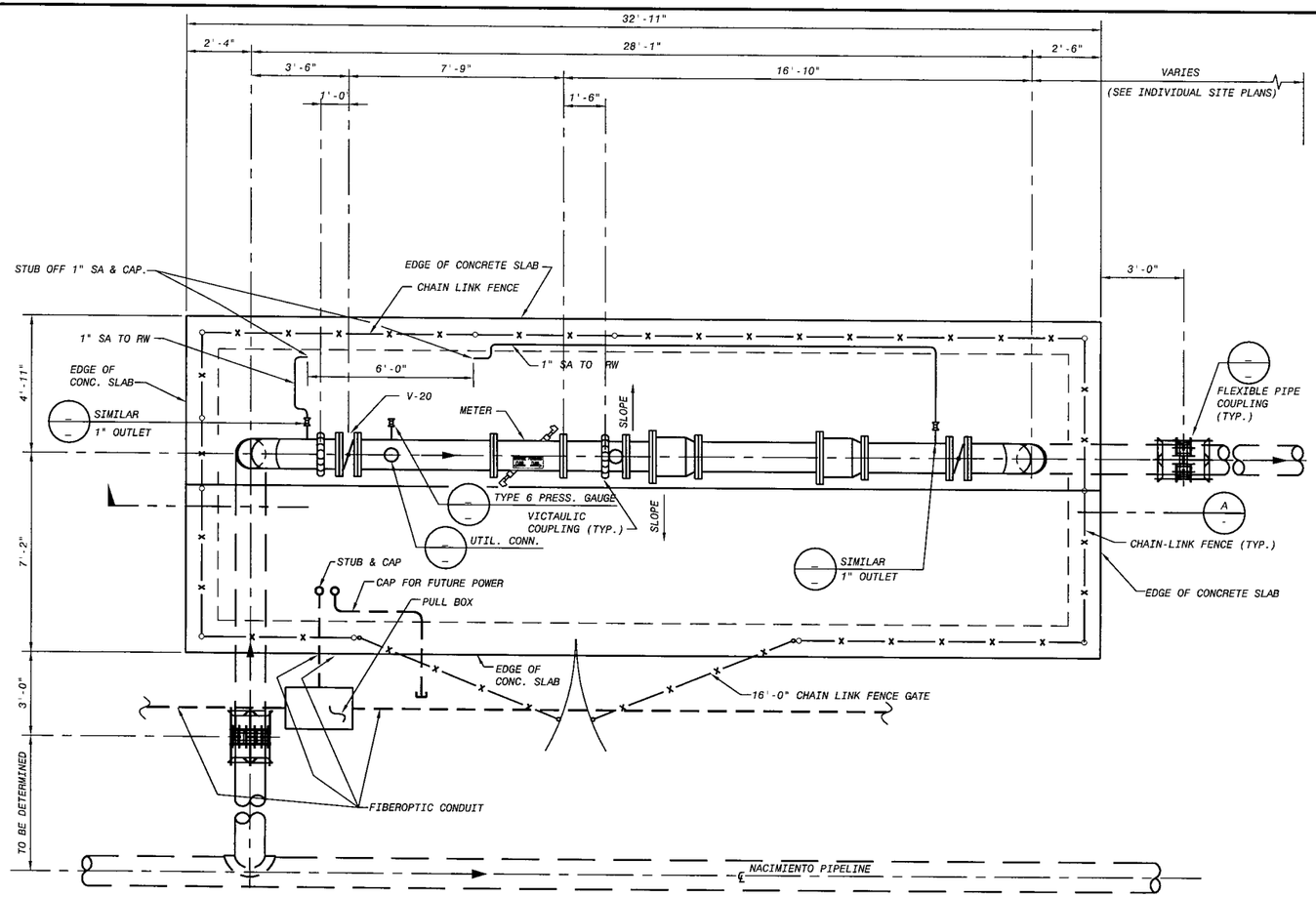
San Luis Obispo Coastal Water Conservation District

UNIT H1 - PIPELINE
CIVIL
PLAN AND PROFILE STA 2506+00 - 2513+78.51

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE:

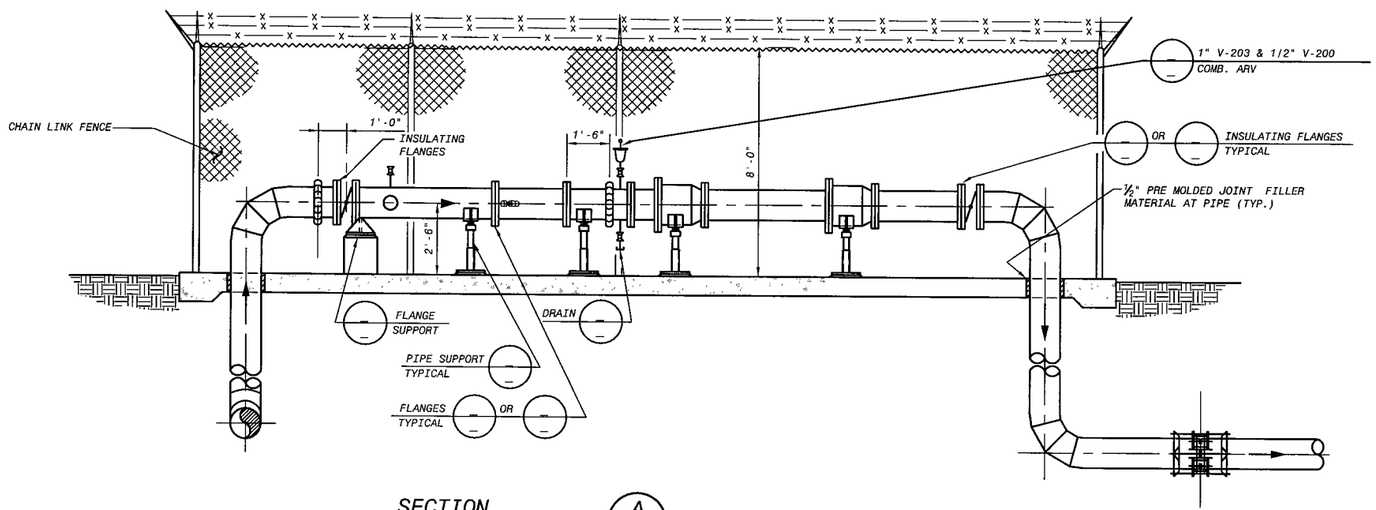
BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 01
H1P-C112
SHEET
OF

FD137522
D137522



PLAN - SAN LUIS OBISPO TURNOUT (1)

SCALE: 3/8" = 1'-0"



SECTION (A)

SCALE: 3/8" = 1'-0"

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

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
				02/01/2006	DRAFT PDR SUBMITTAL

CYGNET ID:
WF:ACAD-20001
SAVED: VEL42520, 4/12/2005 10:18:09 AM
PLOTTED:
USER: VEL42520
XREF1:
XREF2:
XREF3:
XREF4:
XREF5:
DWG VER:

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NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

SAN LUIS OBISPO TURNOUT - PLAN & SECTIONS

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE: 4/12/2005

BV PROJECT NO.

NWP PROJECT NO.

SPEC
90245.691

T11-C101
SHEET
OF G-00

FD137522
D137522
DWG: \\Sfo1\sfo1_v00 Proj...ustign Phase\406 Turnouts\PLANSET\T11-C101.dwg USER: mmcguinn
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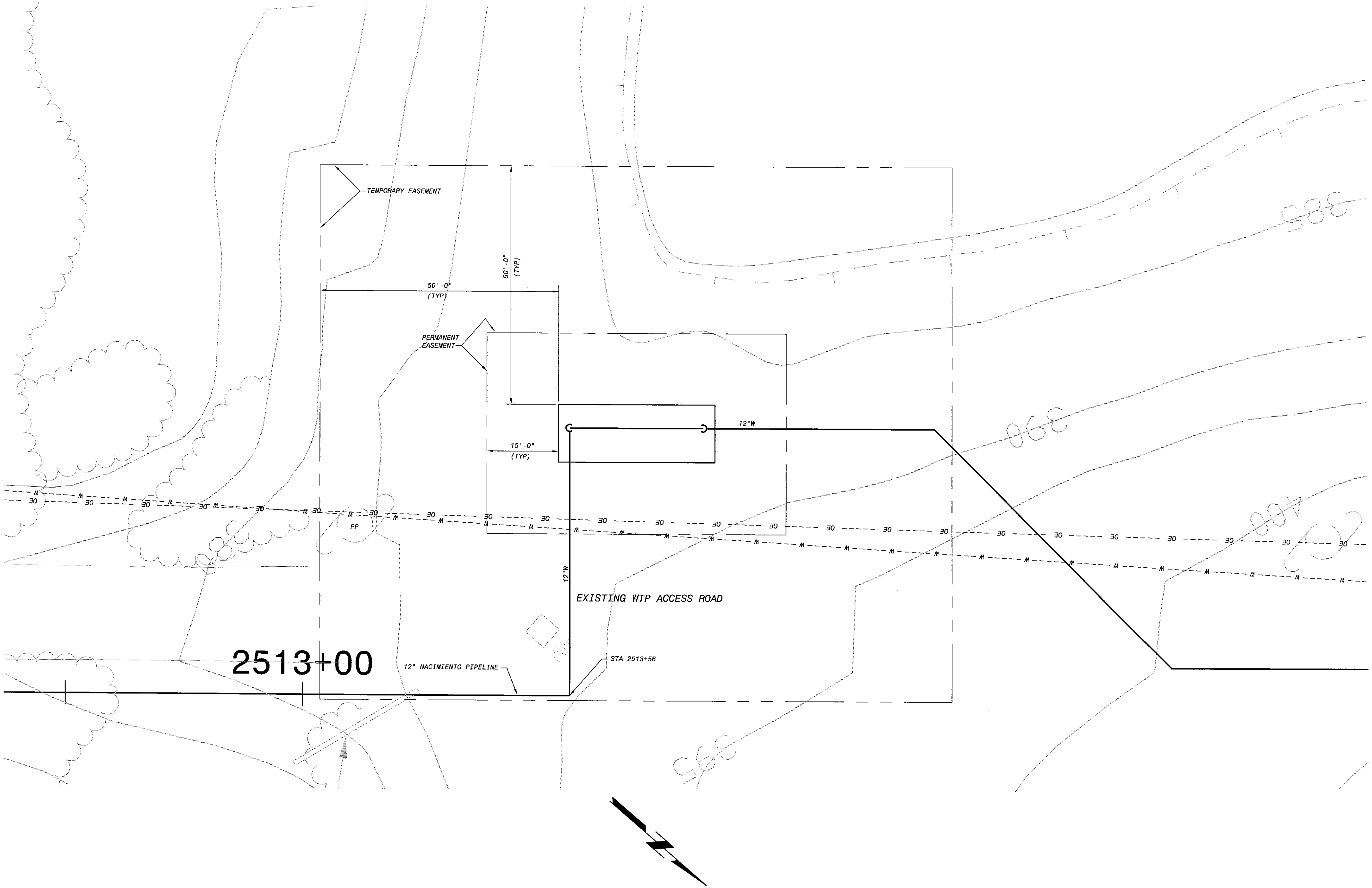

SITE PLAN

SCALE: 1" = 10'

0 1/2 1

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

FD137522
D137522

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

CYGNET ID:
WF: ACAD-20001
SAVED: VEL42520, 4/12/2005 10:18:09 AM
PLOTTED:
USER: VEL42520
DWG VER:
XREF1:
XREF2:
XREF3:
XREF4:
XREF5:

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San Luis Obispo County Flood Control & Water Conservation District

SAN LUIS OBISPO TURNOUT - ALTERNATIVE A
SITE PLAN

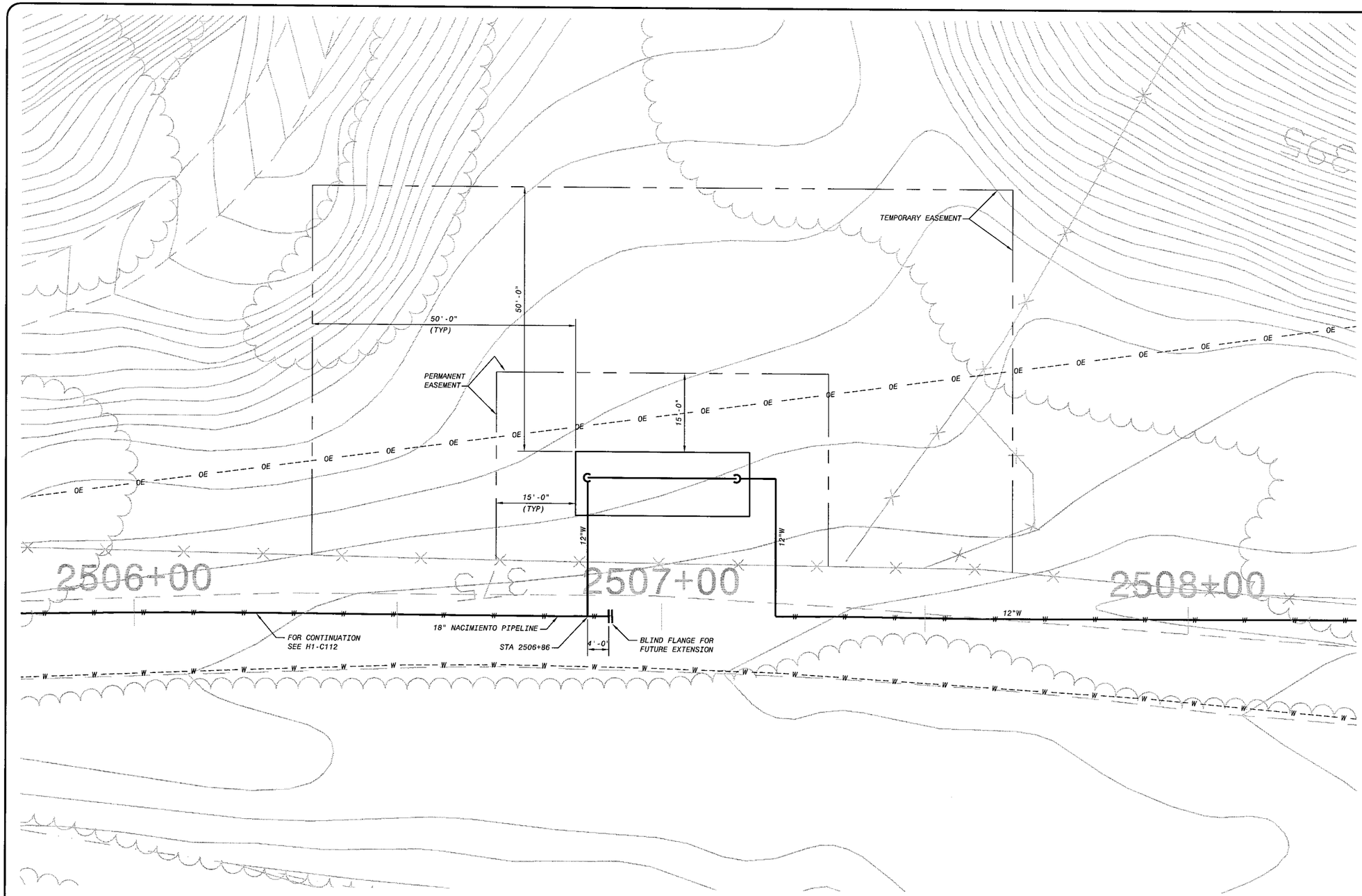
DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE: 4/12/2005

BV PROJECT NO.

NWP PROJECT NO.

SPEC
90245.691

T11-C102
SHEET
OF G-00



SITE PLAN

SCALE: 1" = 10'

FD137522
D137022

0 1/2 1

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

NO.	DATE	REVISIONS AND RECORD OF ISSUE	BY	CK	APP

CYGNET ID:
XREF1:
WF:ACAD-20001
XREF2:
SAVED: VEL42520, 4/12/2005 10:18:09 AM
XREF3:
PLOTTED:
XREF4:
USER: VEL42520
DWG VER:
XREF5:

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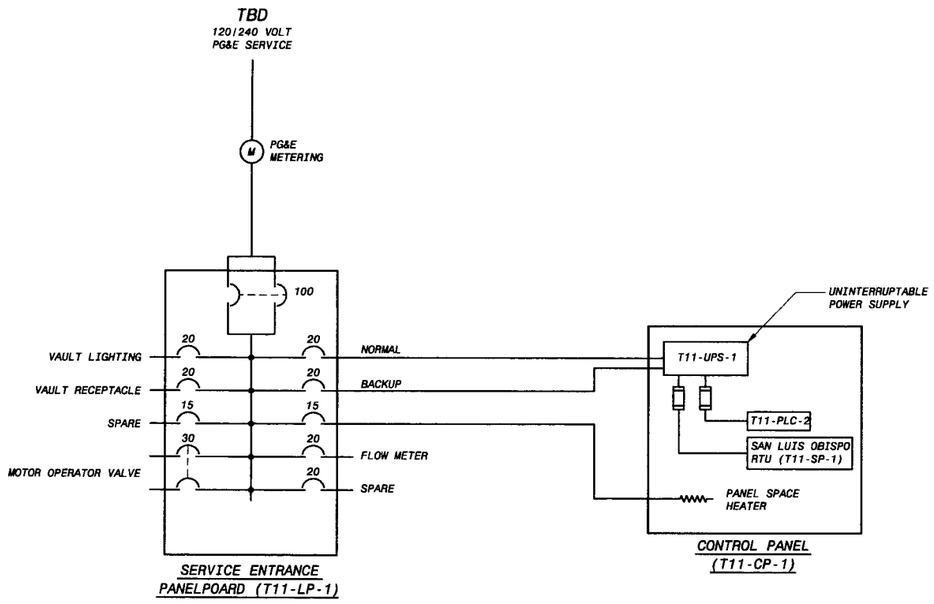
BOYLE engineering corporation

NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

SAN LUIS OBISPO TURNOUT - ALTERNATIVE B
SITE PLAN

DESIGNED:	
DETAILED:	
CHECKED:	
APPROVED:	
DATE:	4/12/2005
BV PROJECT NO.	
NWP PROJECT NO.	
SPEC	90245.691
T11-C103	SHEET OF G-00



SAN LUIS OBISPO TURNOUT - T11
ONE-LINE DIAGRAM
NO SCALE

NOTES:

1. SEE STD-G023 THROUGH STD-G032 FOR LEGEND.

LEGEND:

TBD TO BE DETERMINED

PRELIMINARY - NOT FOR CONSTRUCTION

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

FD137322
D137522

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE

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XREF2:
XREF3:
XREF4:
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PLOTTED: MCC10784, 2/20/2006 10:10:13 AM
USER: MCC10784
DWG VER: 1.4

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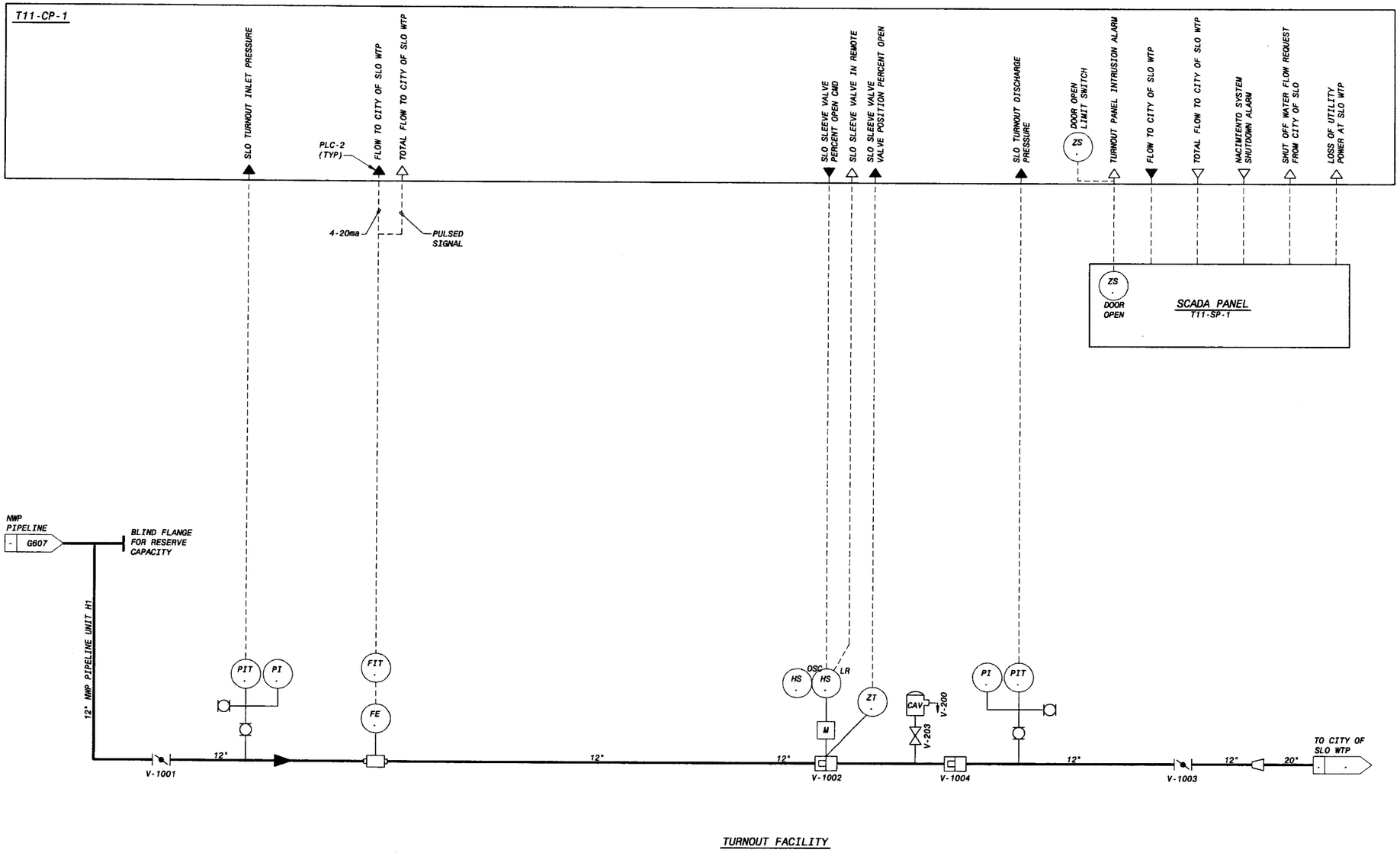
NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT T11 - SAN LUIS OBISPO TURNOUT
ELECTRICAL
ONE-LINE DIAGRAM

DESIGNED:	JJW
DETAILED:	JCP
CHECKED:	
APPROVED:	
DATE:	2/22/06
BV PROJECT NO.	137522
NWP PROJECT NO.	3000187.08
SPEC	07
	T11-E601
SHEET	OF



TURNOUT FACILITY

NOTES:

1. SEE STD-G008 THROUGH STD-G022 FOR LEGEND.
2. UNIT CODE IS "T11" UNLESS OTHERWISE NOTED.

PRELIMINARY - NOT FOR CONSTRUCTION

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

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP

CYGNET ID: 137522-I-BP7-E000080H1 XREF1:
WF: BP7-T11-I601.dwg XREF2:
SAVED: WAG13008, 2/14/2006 2:59:16 PM XREF3:
PLOTTED: MCC10764, 1/19/2006 3:20:22 PM XREF4:
USER: MCC10764 DWG VER: 1.8 XREF5:

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ENERGY WATER INFORMATION GOVERNMENT
BOYLE ENGINEERING CORPORATION

NWP NACIMIENTO WATER PROJECT
San Luis Obispo County Flood Control & Water Conservation District

UNIT T11 - SAN LUIS OBISPO TURNOUT INSTRUMENTATION P&ID

DESIGNED:
DETAILED:
CHECKED:
APPROVED:
DATE: 2/22/06
BV PROJECT NO. 137522
NWP PROJECT NO. 3000187.08
SPEC 07
T11-I601
SHEET OF

FD137522
D137522