



CALIFORNIA
AMERICAN WATER

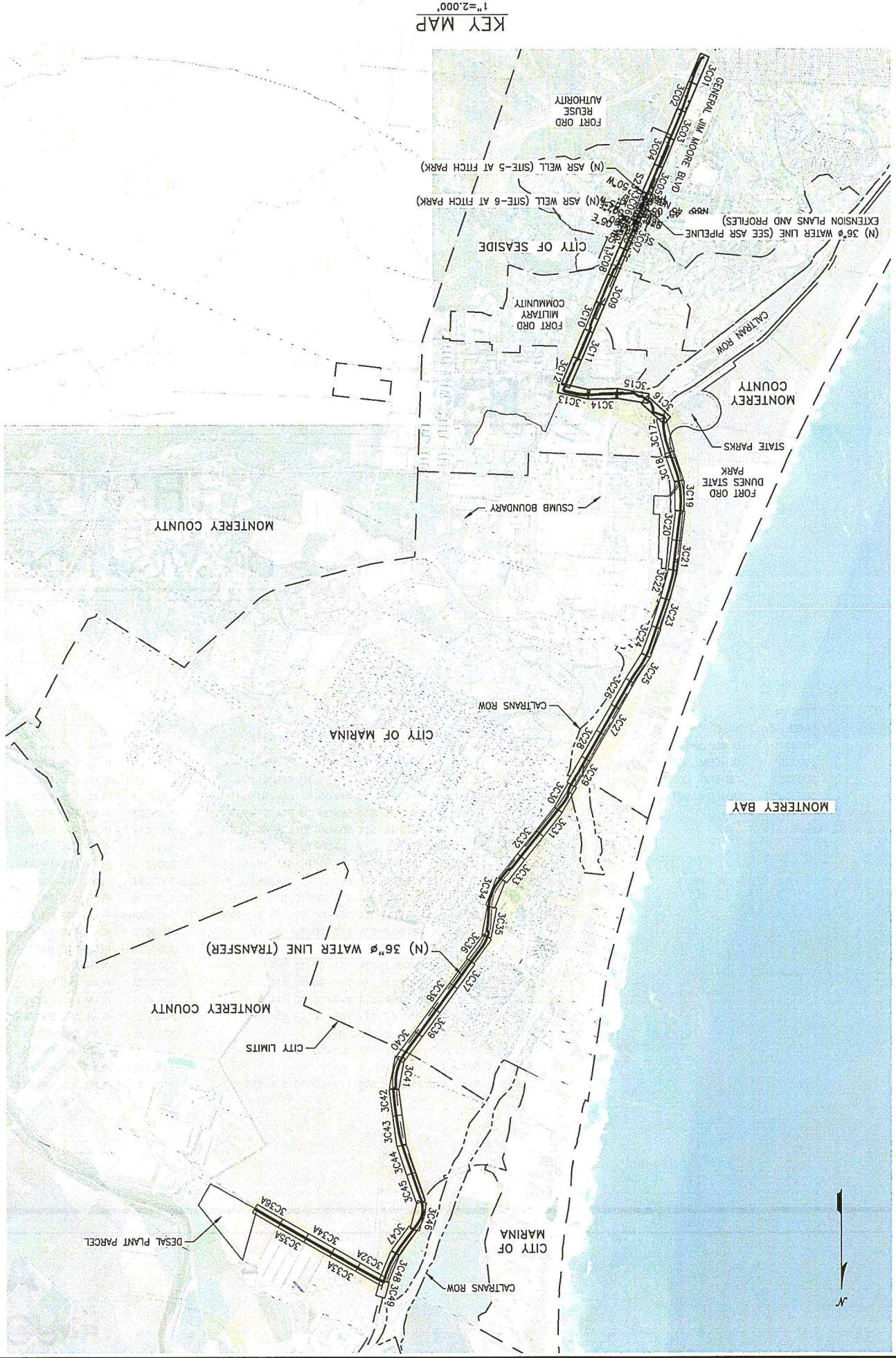
TRANSMISSION MAINS FOR MONTEREY
PENINSULA WATER SUPPLY PROJECT (MPWSP)

TRANSFER PIPELINE
DRAWING INDEX No. 1000-3003-G00

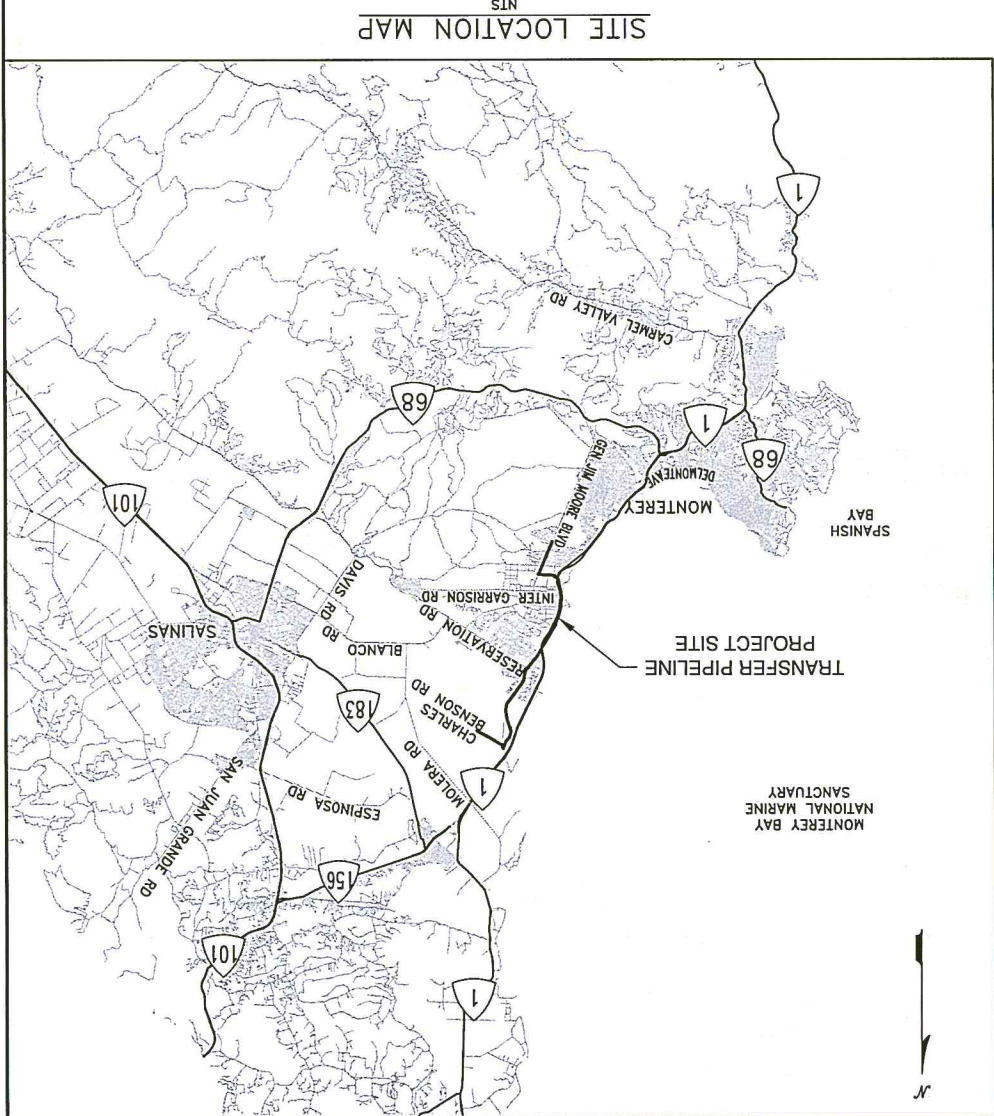
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SHEET NO.	TITLE	SHEET NO.	TITLE	SHEET NO.	TITLE	SHEET NO.	TITLE	SHEET NO.	TITLE
3003G00	COVER SHEET	3003C00	KEY PLAN	3003C19	PLAN AND PROFILE STA 186+00 TO STA 195+00	3003C40	PLAN AND PROFILE STA 375+00 TO STA 384+00	3003M01	VALVE TABLE
3003G01	GENERAL ABBREVIATIONS	3003C01	PLAN AND PROFILE STA 23+49.49 TO STA 32+00	3003C20	PLAN AND PROFILE STA 195+00 TO STA 204+00	3003C41	PLAN AND PROFILE STA 384+00 TO STA 394+00		
3003G02	GENERAL LEGEND	3003C02	PLAN AND PROFILE STA 32+00 TO STA 41+00	3003C21	PLAN AND PROFILE STA 204+00 TO STA 213+00	3003C42	PLAN AND PROFILE STA 394+00 TO STA 402+00		
3003G03	GENERAL NOTES	3003C03	PLAN AND PROFILE STA 41+00 TO STA 50+00	3003C22	PLAN AND PROFILE STA 213+00 TO STA 222+00	3003C43	PLAN AND PROFILE STA 402+00 TO STA 411+00		
		3003C04	PLAN AND PROFILE STA 50+00 TO STA 59+00	3003C23	PLAN AND PROFILE STA 222+00 TO STA 231+00	3003C44	PLAN AND PROFILE STA 411+00 TO STA 420+00		
		3003C05	PLAN AND PROFILE STA 59+00 TO STA 68+00	3003C24	PLAN AND PROFILE STA 231+00 TO STA 240+00	3003C45	PLAN AND PROFILE STA 420+00 TO STA 429+00		
		3003C06	PLAN AND PROFILE STA 68+00 TO STA 77+00	3003C25	PLAN AND PROFILE STA 240+00 TO STA 249+00	3003C46	PLAN AND PROFILE STA 429+00 TO STA 438+00		
		3003C07	PLAN AND PROFILE STA 77+00 TO STA 86+00	3003C26	PLAN AND PROFILE STA 249+00 TO STA 258+00	3003C47	PLAN AND PROFILE STA 438+00 TO STA 447+00		
		3003C08	PLAN AND PROFILE STA 86+00 TO STA 95+00	3003C27	PLAN AND PROFILE STA 258+00 TO STA 267+00	3003C48	PLAN AND PROFILE STA 447+00 TO STA 456+00		
		3003C09	PLAN AND PROFILE STA 95+00 TO STA 104+00	3003C28	PLAN AND PROFILE STA 267+00 TO STA 276+00	3003C49	PLAN AND PROFILE STA 456+00 TO STA 465+00		
		3003C10	PLAN AND PROFILE STA 104+00 TO STA 113+00	3003C29	PLAN AND PROFILE STA 276+00 TO STA 285+00	3003C50	PLAN AND PROFILE STA 465+00 TO STA 473+00		
		3003C11	PLAN AND PROFILE STA 113+00 TO STA 122+00	3003C30	PLAN AND PROFILE STA 285+00 TO STA 294+00	3003C51	PLAN AND PROFILE STA 473+00 TO STA 482+00		
		3003C12	PLAN AND PROFILE STA 122+00 TO STA 131+00	3003C31	PLAN AND PROFILE STA 294+00 TO STA 303+00	3003C52	PLAN AND PROFILE STA 482+00 TO STA 491+00		
		3003C13	PLAN AND PROFILE STA 131+00 TO STA 140+00	3003C32	PLAN AND PROFILE STA 303+00 TO STA 312+00	3003C53	PLAN AND PROFILE STA 491+00 TO STA 500+00		
		3003C14	PLAN AND PROFILE STA 140+00 TO STA 149+00	3003C33	PLAN AND PROFILE STA 312+00 TO STA 321+00	3003C53-A	SECTIONS A AND B		
		3003C15	PLAN AND PROFILE STA 149+00 TO STA 158+00	3003C34	PLAN AND PROFILE STA 321+00 TO STA 330+00	3003C54	PLAN AND PROFILE STA 500+00 TO STA 509+00		
		3003C16	PLAN AND PROFILE STA 158+00 TO STA 167+00	3003C35	PLAN AND PROFILE STA 330+00 TO STA 339+00	3003C55	PLAN AND PROFILE STA 509+00 TO STA 518+00		
		3003C16-A	JACK AND BORE STAGING AREA	3003C36	PLAN AND PROFILE STA 339+00 TO STA 348+00	3003C56	PLAN AND PROFILE STA 518+00 TO END		
		3003C17	PLAN AND PROFILE STA 167+00 TO STA 177+00	3003C37	PLAN AND PROFILE STA 348+00 TO STA 357+00				
		3003C17-A	DETAILS OF 3C17	3003C38	PLAN AND PROFILE STA 357+00 TO STA 366+00				
		3003C18	PLAN AND PROFILE STA 177+00 TO STA 186+00	3003C39	PLAN AND PROFILE STA 366+00 TO STA 375+00				

AECOM

AUGUST 2015 September 2019



KEY MAP



SITE LOCATION MAP
SIN

REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
KEY PLAN

CALIFORNIA
AMERICAN WATER

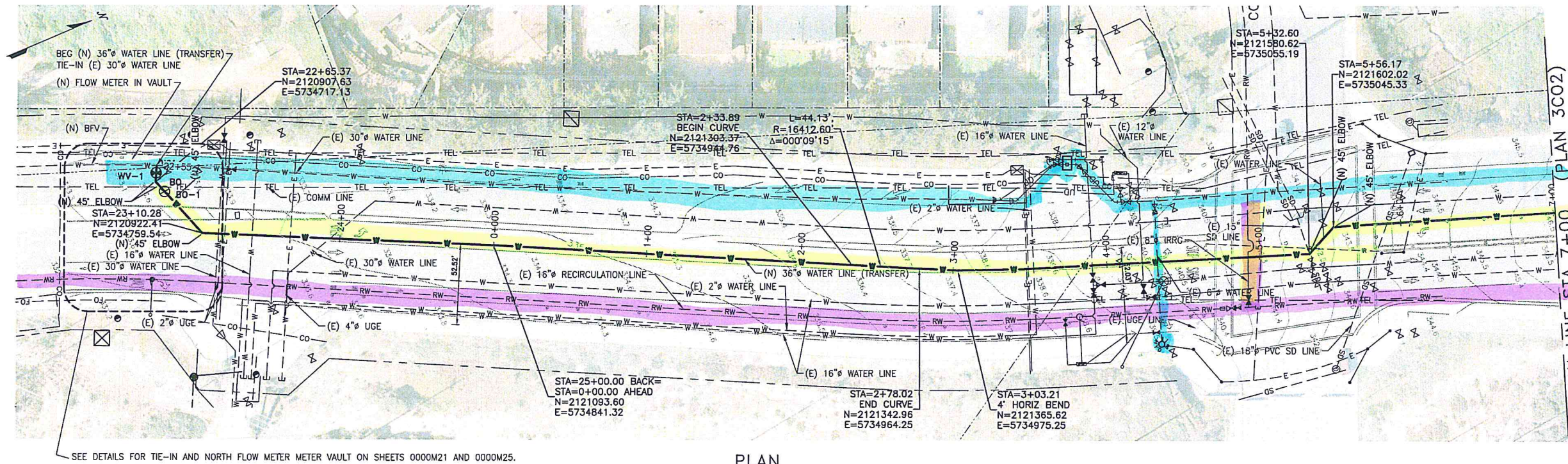
3003C00

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

AECOM
 1333 BROADWAY, SUITE 800
 OAKLAND, CALIFORNIA 94612
 DRAWN BY: C. SOMERA
 PROJECT ENG'N: J. HYMAN
 APPROVED: C. SMITH
 DATE: SEPTEMBER 2015
 PROJECT: 60424498
 SCALE: AS SHOWN
 USE DIMENSIONS ONLY
 AMERICAN WATER
 CALIFORNIA

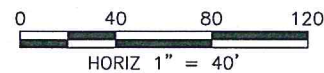
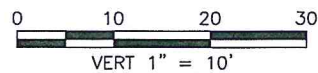
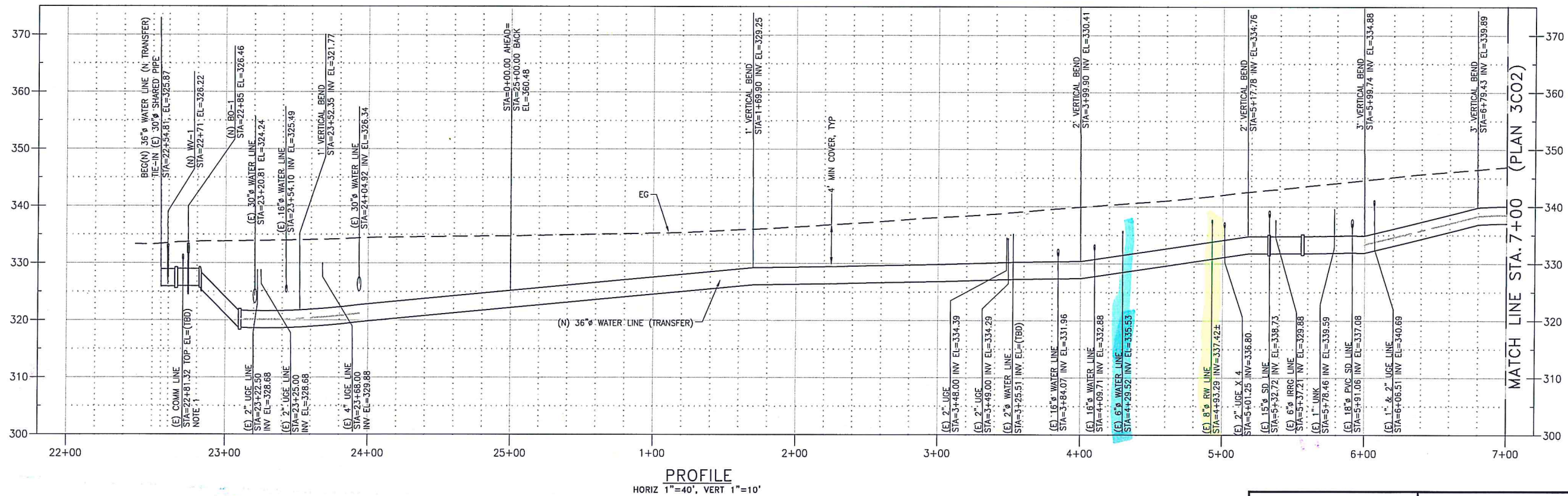
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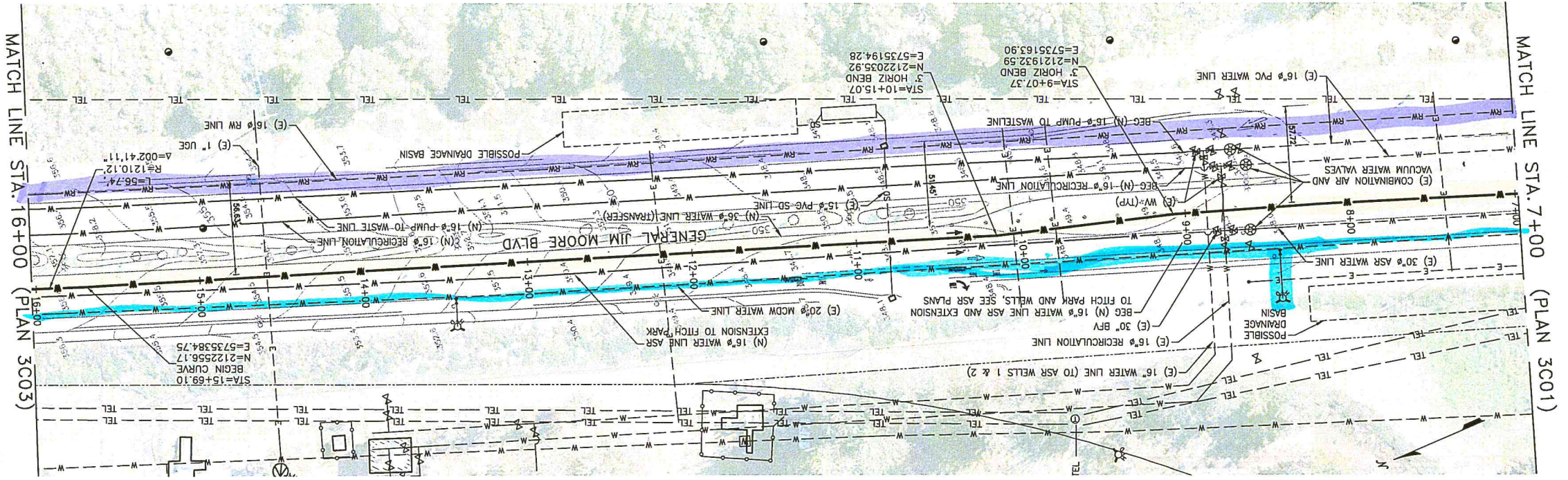
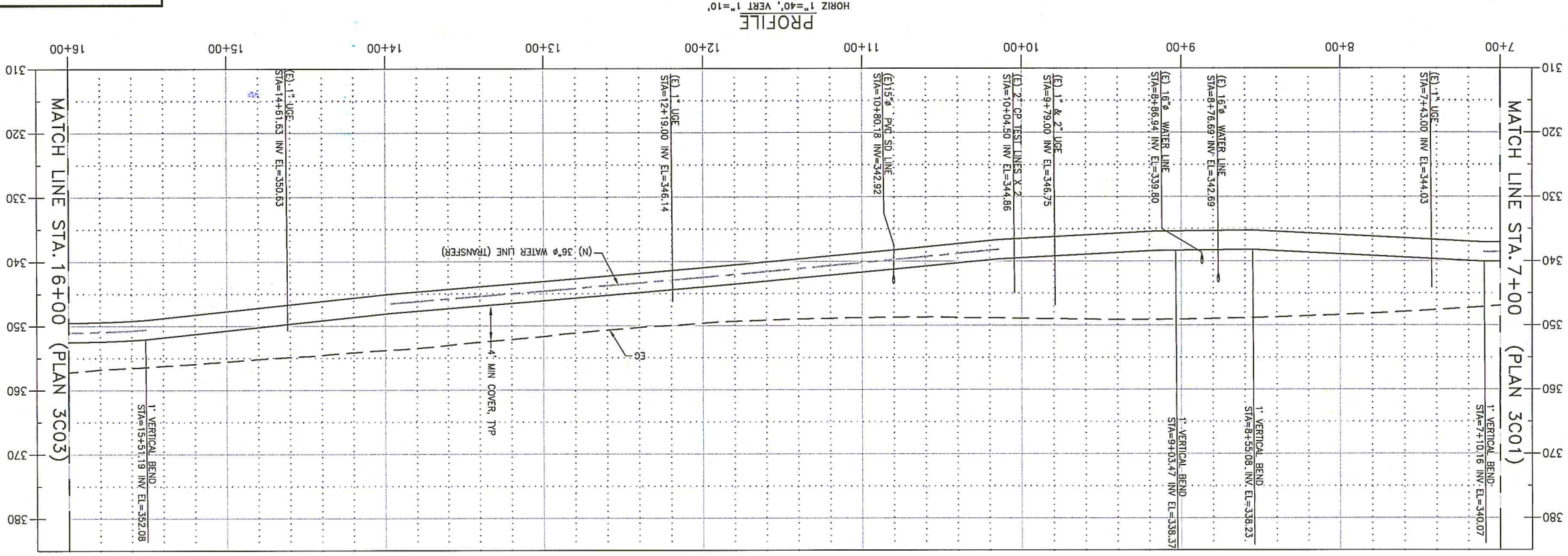
NOTES:

- UTILITY NOT MARKED BY USA.



REVISIONS

TRANSMISSION MAINS FOR MPWSP CIVIL NORTH TRANSFER PIPELINE PLAN AND PROFILE STA 23+00 TO STA 32+00		
CALIFORNIA AMERICAN WATER		
AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612	AECOM	CALIFORNIA AMERICAN WATER
DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN APPROVED C. SMITH	DATE MAY 2019 PROJECT 60489016	USE DIMENSIONS ONLY SCALE AS SHOWN
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES		3003C01



NOTES:

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
AND PROFILE STA 32+00 TO STA 41

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

USE DIMENSIONS ONLY
SCALE AS SHOWN

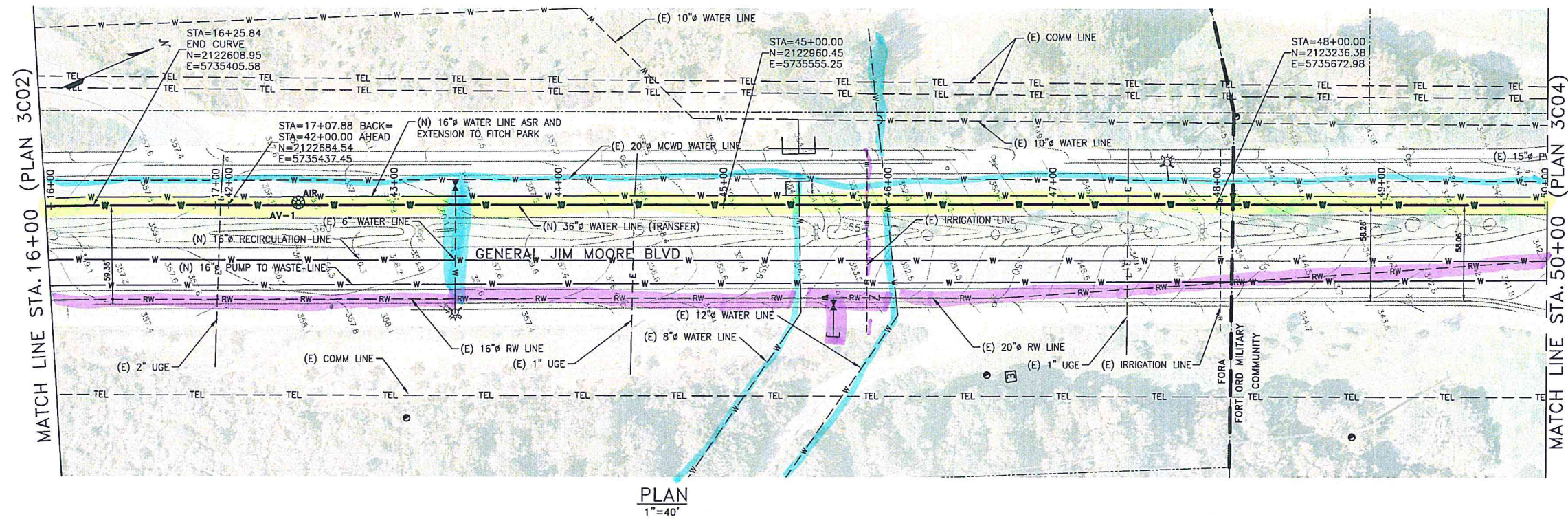
CALIFORNIA
AMERICAN WATER

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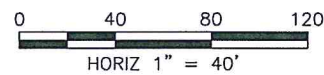
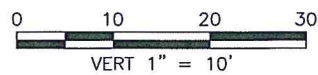
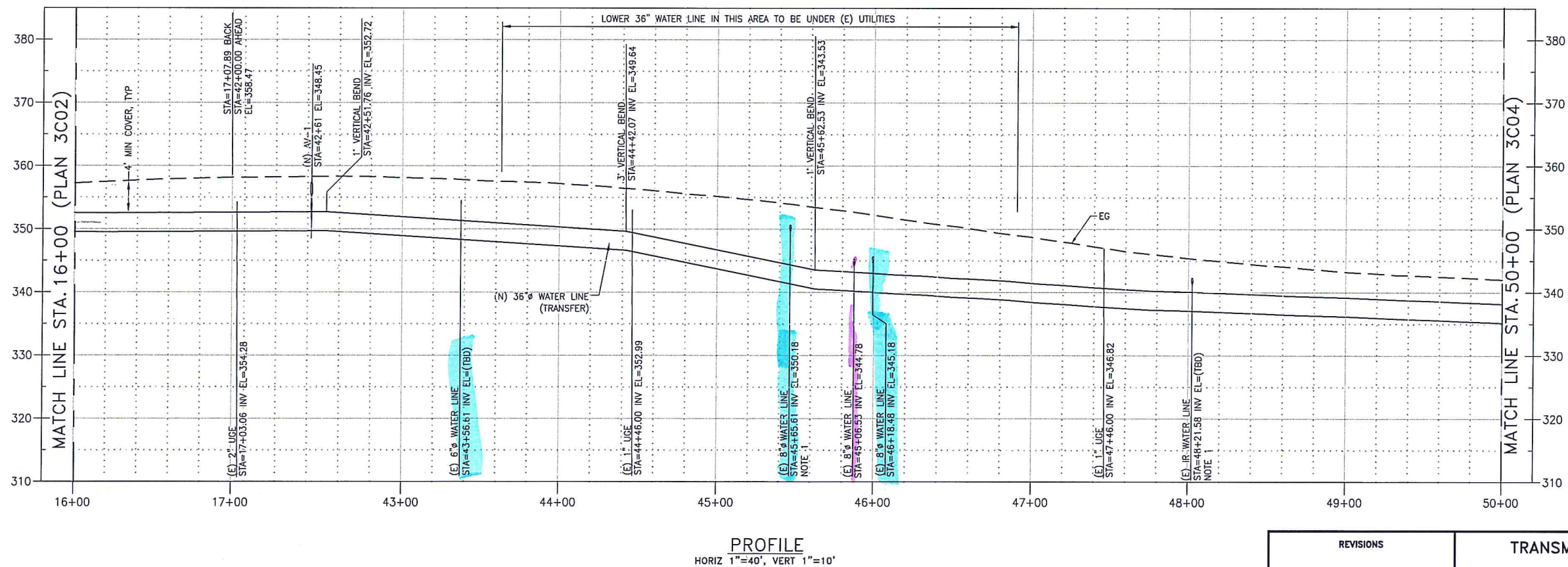
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NOTES:

- UTILITY NOT MARKED BY USA.



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 41+00 TO STA 50+00

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

CALIFORNIA
AMERICAN WATER

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

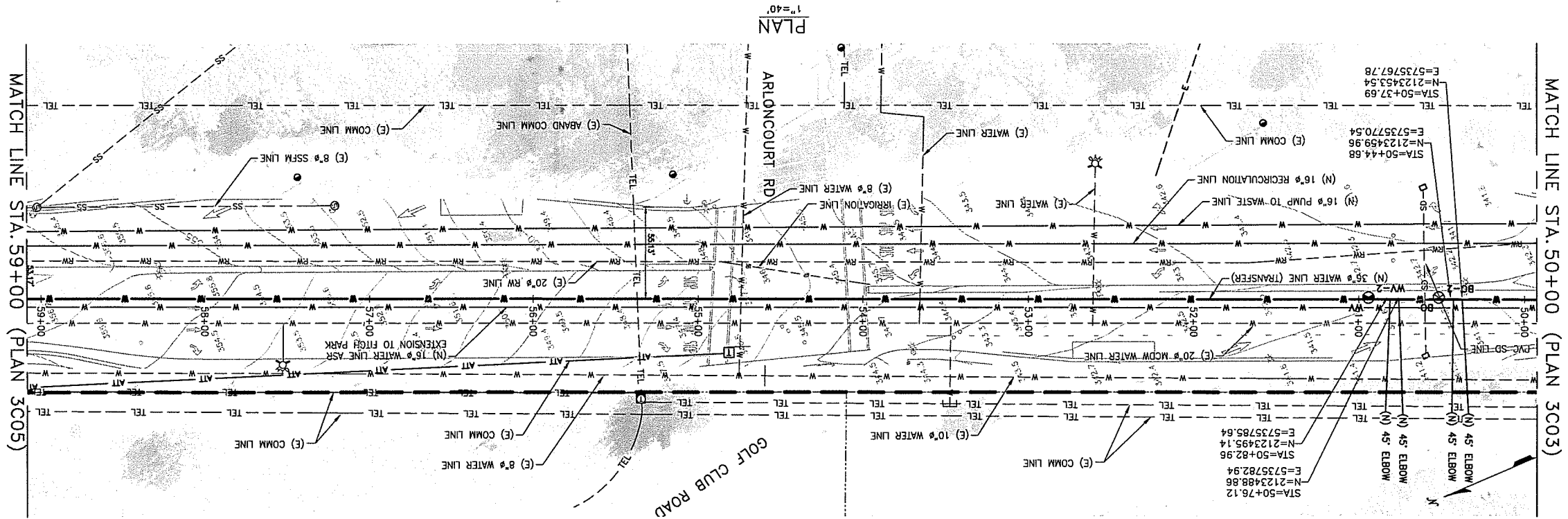
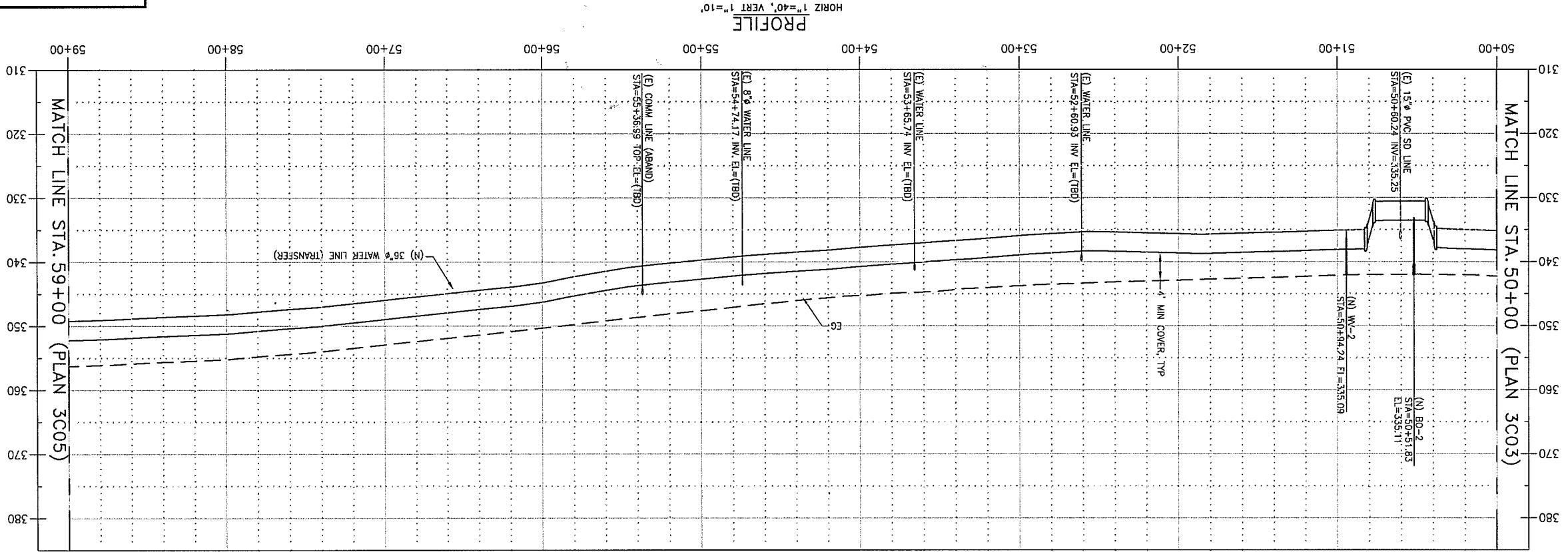
DATE MAY 2019
PROJECT 60424498

USE DIMENSIONS ONLY
SCALE AS SHOWN

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FOR CONSTRUCTION PURPOSES

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NOTES:



TRANSMISSION MAINS FOR MPWSP
CIVIL
PLAN AND PROFILE STA 50+00 TO STA 59+00

REVISIONS

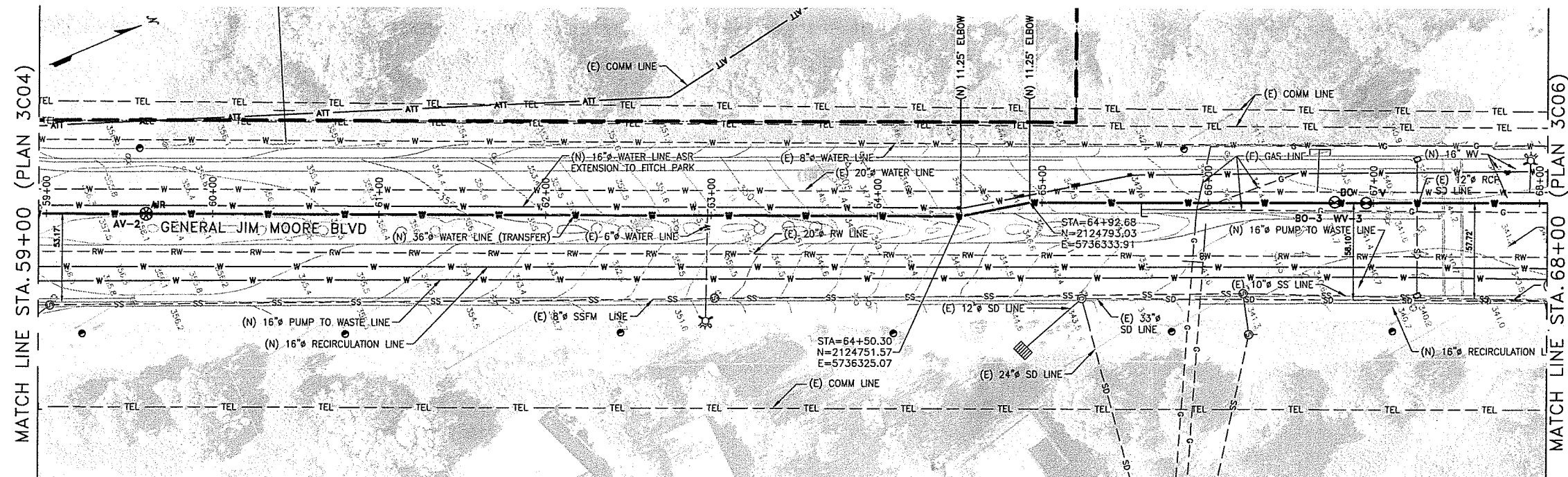
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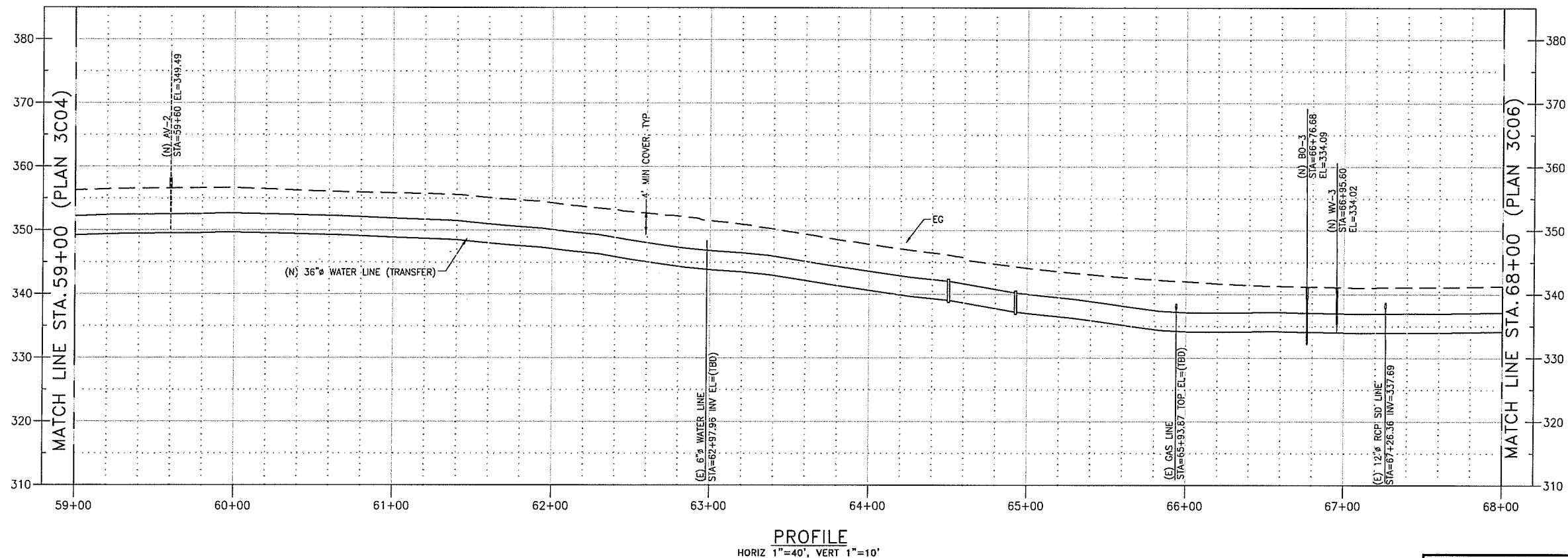
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PLAN
1"=40'



PROFILE
HORIZ 1"=40', VERT 1"=10'

0 10 20 30
VERT 1" = 10'

0 40 80 120
HORIZ 1" = 40'



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 59+00 TO STA 68+00

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM
CALIFORNIA
AMERICAN WATER

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

DATE JANUARY 2016
PROJECT 60424498

USE DIMENSIONS ONLY
SCALE AS SHOWN

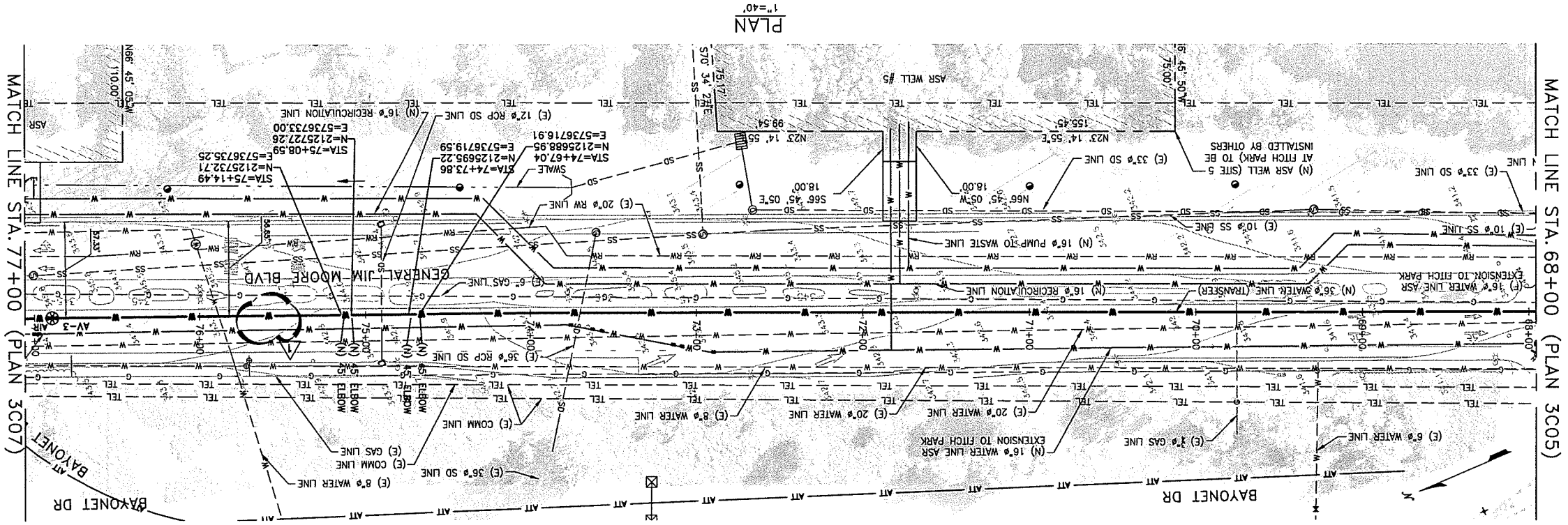
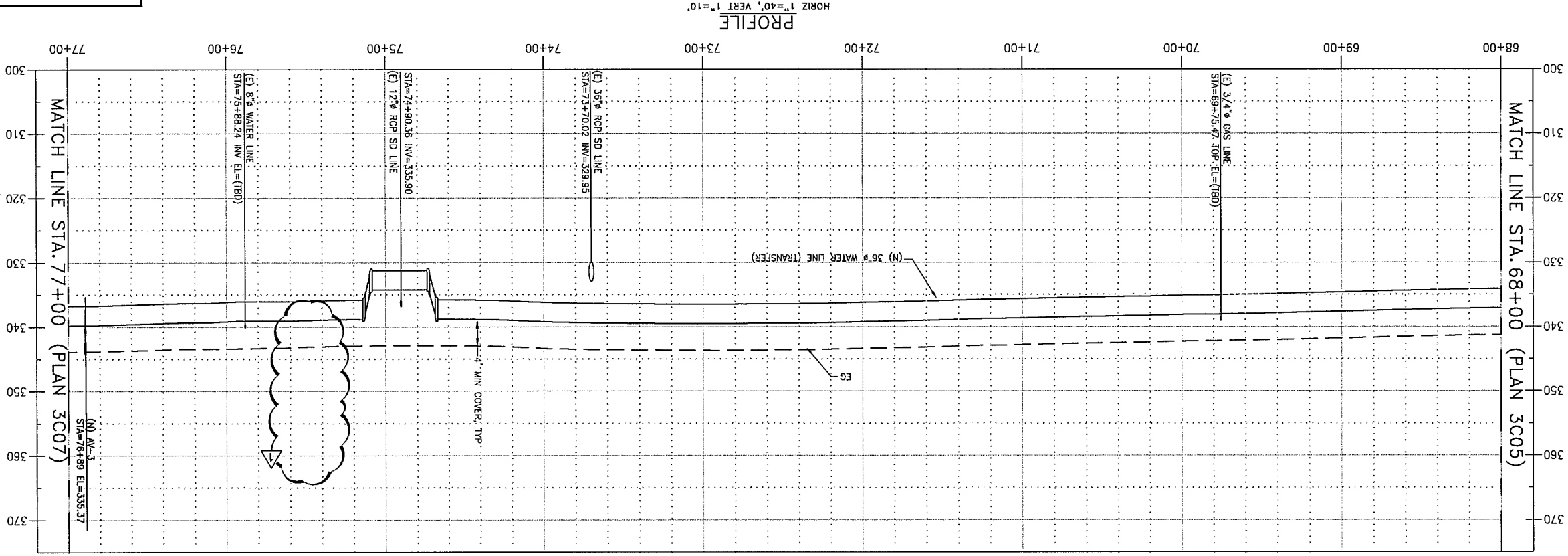
USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

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NOTES:

1.



NOTES:

1		BID ADDENDUM 1	9/14/15	JAH
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REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
AND PROFILE STA 68+00 TO STA 77

CALIFORNIA
AMERICAN WATER

AECON
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612



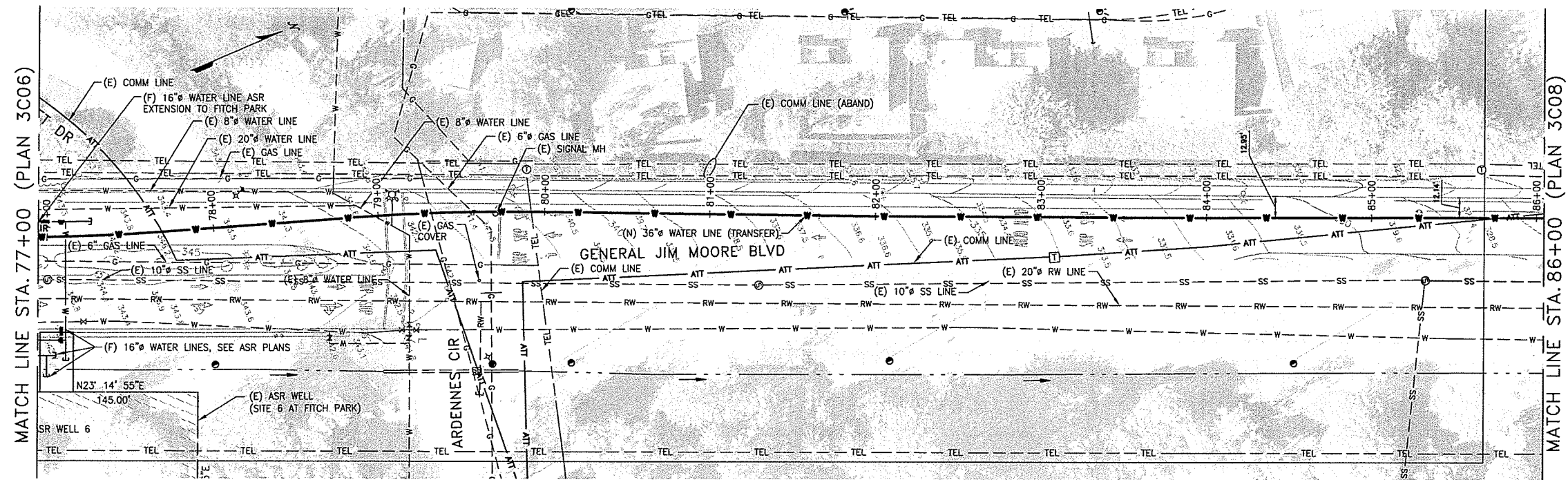
AMERICAN WATER
CALIFORNIA

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FOR CONSTRUCTION PURPOSES

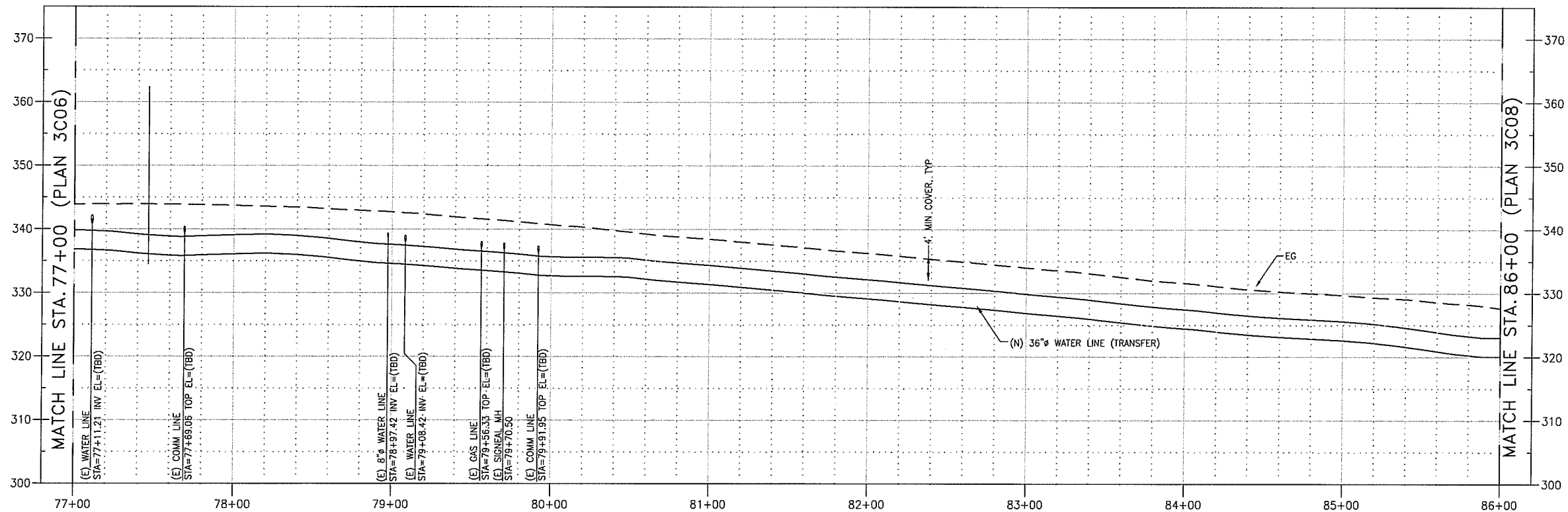
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PROFILE
HORIZ 1"=40', VERT 1"=10'

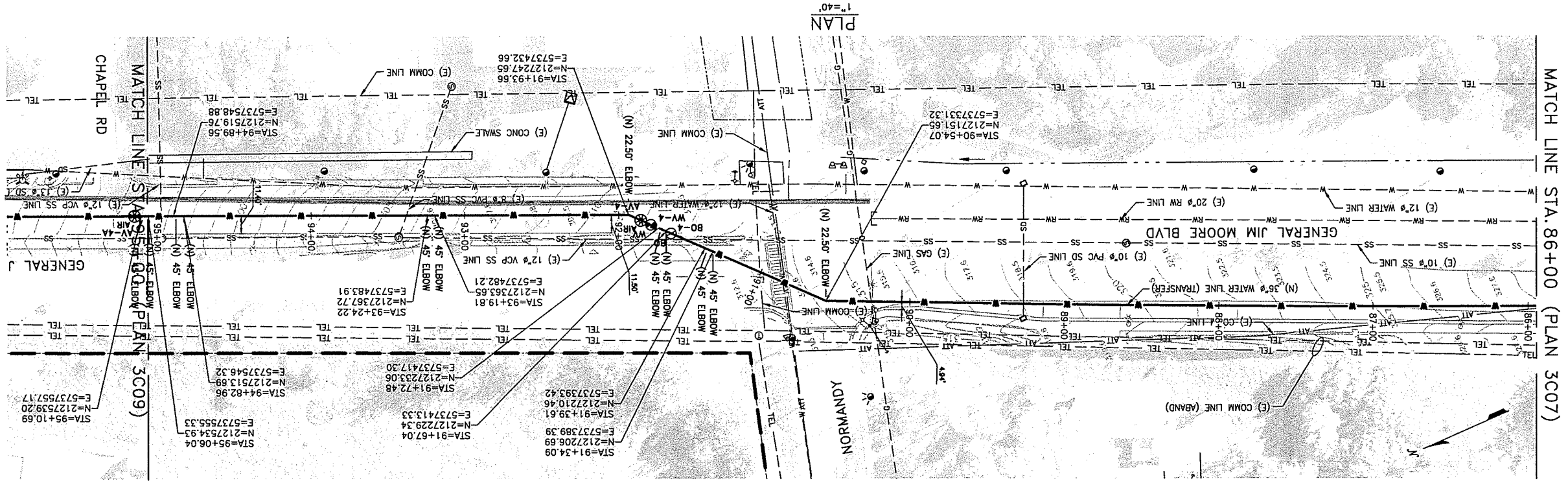
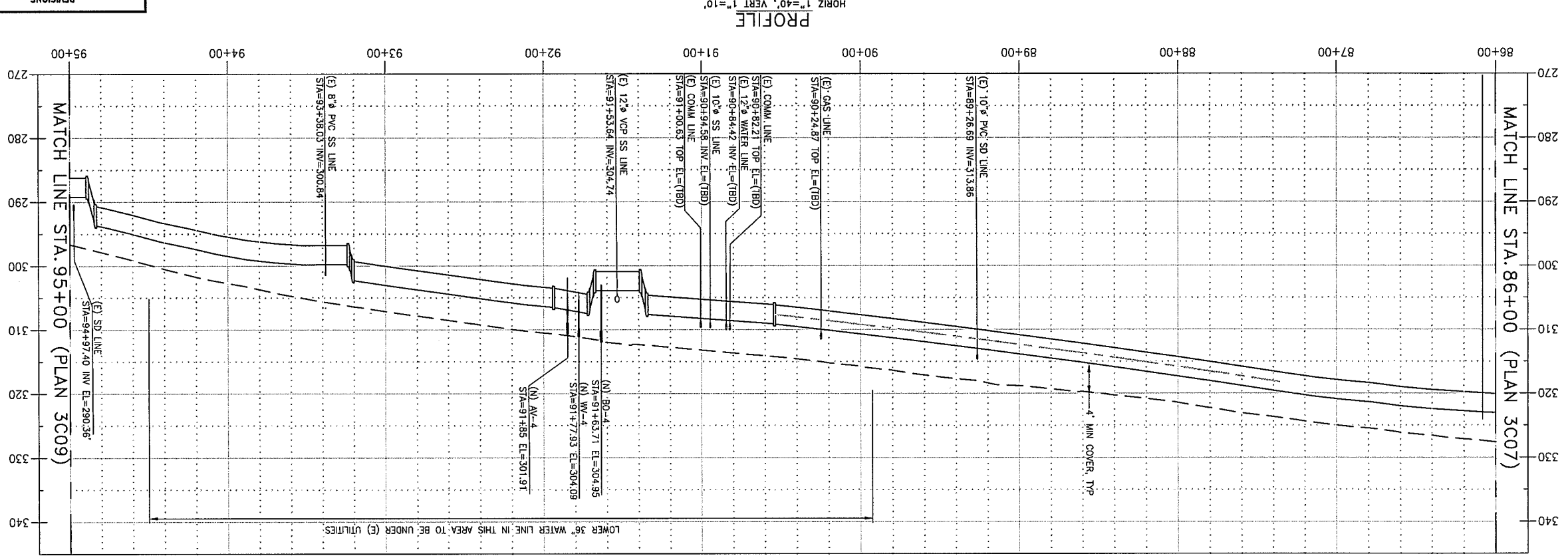


REVISIONS

TRANSMISSION MAINS FOR MPWSP CIVIL TRANSFER PIPELINE PLAN AND PROFILE STA 77+00 TO STA 86+00	
CALIFORNIA AMERICAN WATER	
AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612	AECOM CALIFORNIA AMERICAN WATER
DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN APPROVED C. SMITH	DATE MAY 2019 PROJECT 60424498 USE DIMENSIONS ONLY SCALE AS SHOWN
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	
3003C07	

NOTES:

1.



NOTES:

MCWD/M1W RUWAP

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 86+00 TO STA 95+00

CALIFORNIA
AMERICAN WATER

AECOM

 CALIFORNIA
AMERICAN WATER

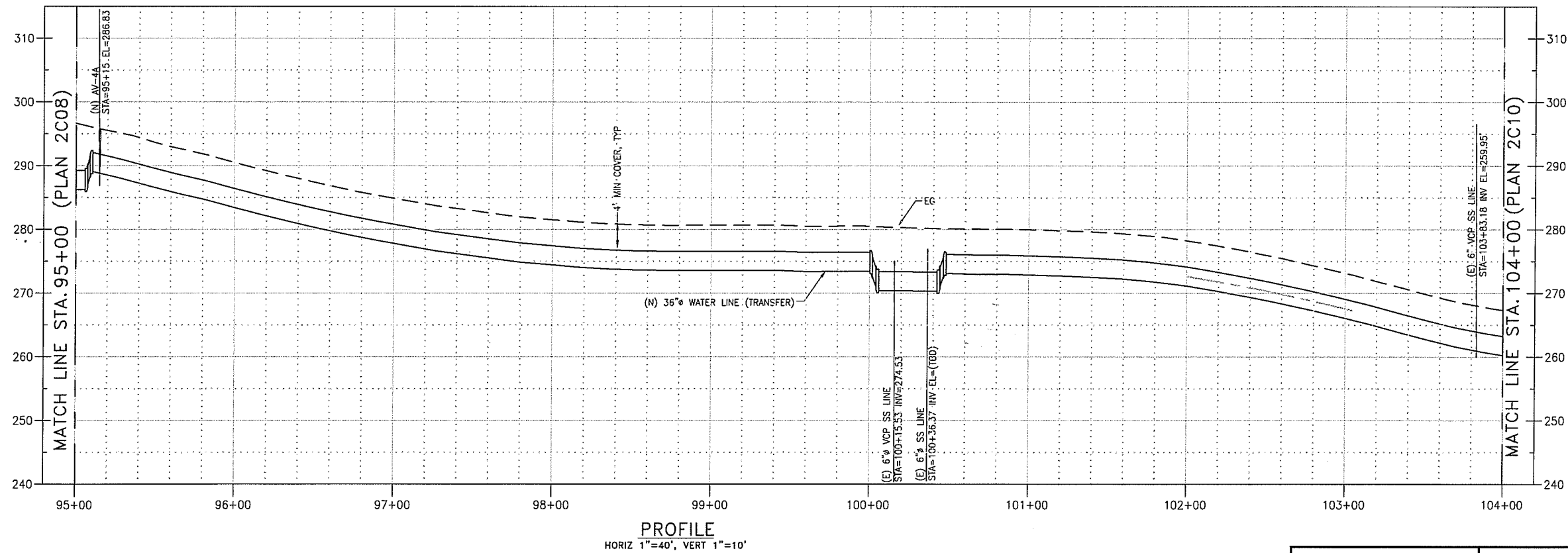
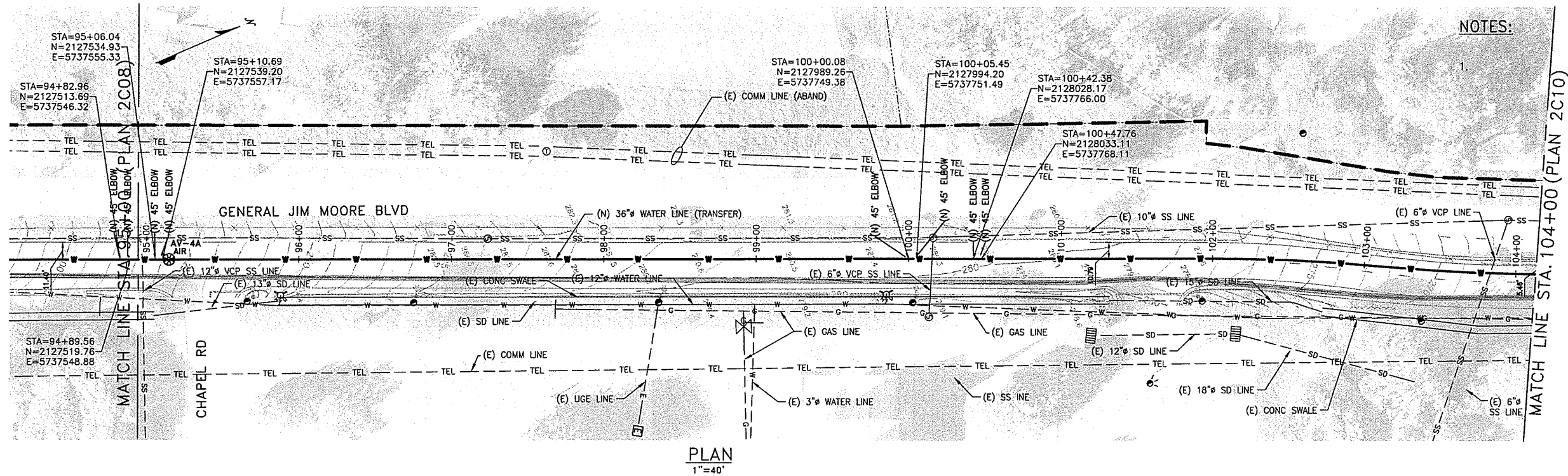
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PROJECT 60474/102
DATE MAY 2019

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3003C08

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0 10 20 30
VERT 1" = 10'

0 40 80 120
HORIZ 1" = 40'



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 95 +00 TO STA 104+00

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

CALIFORNIA
AMERICAN WATER

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

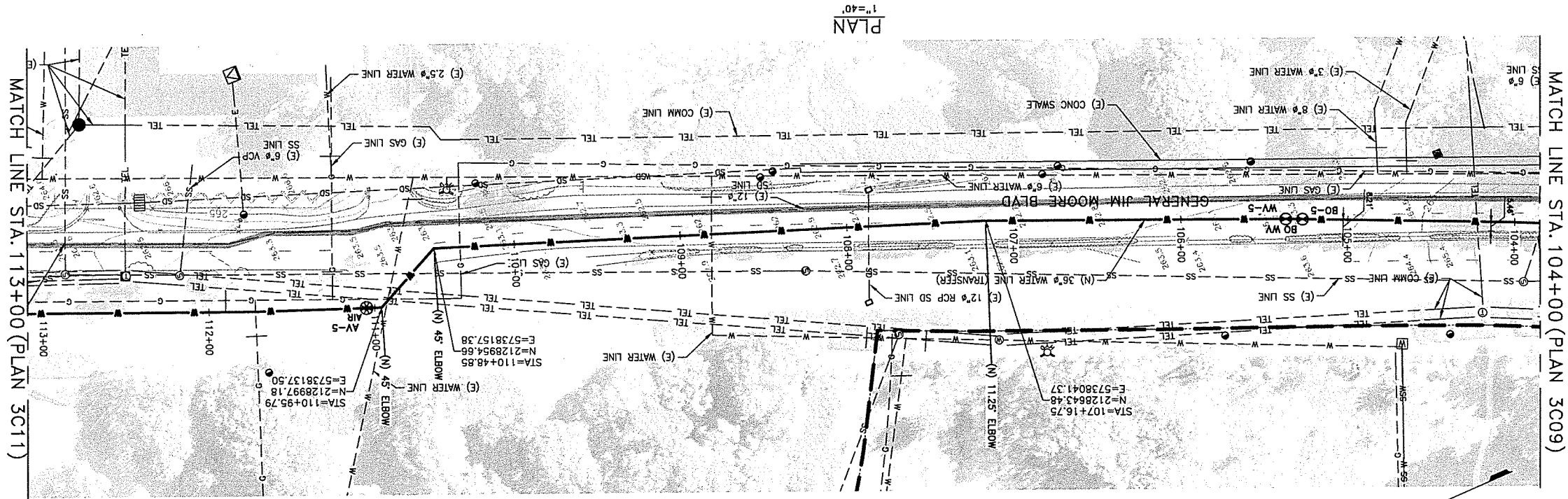
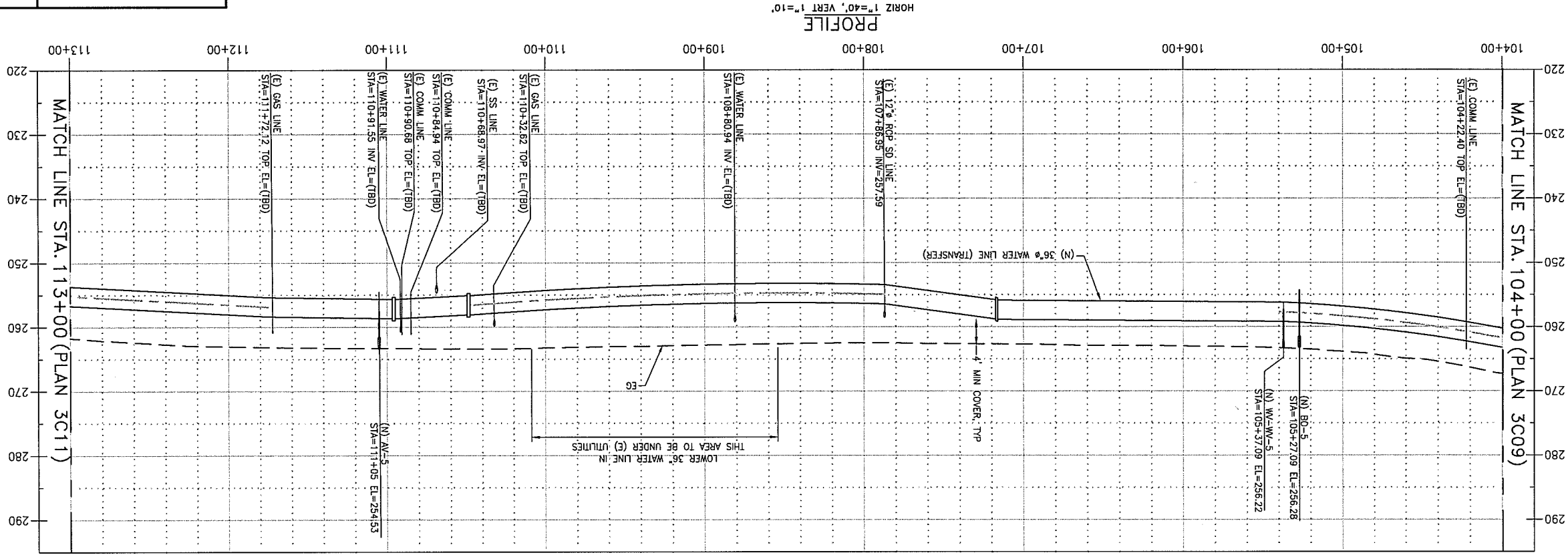
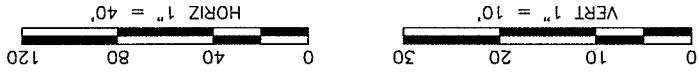
DATE MAY 2019
PROJECT 6042498

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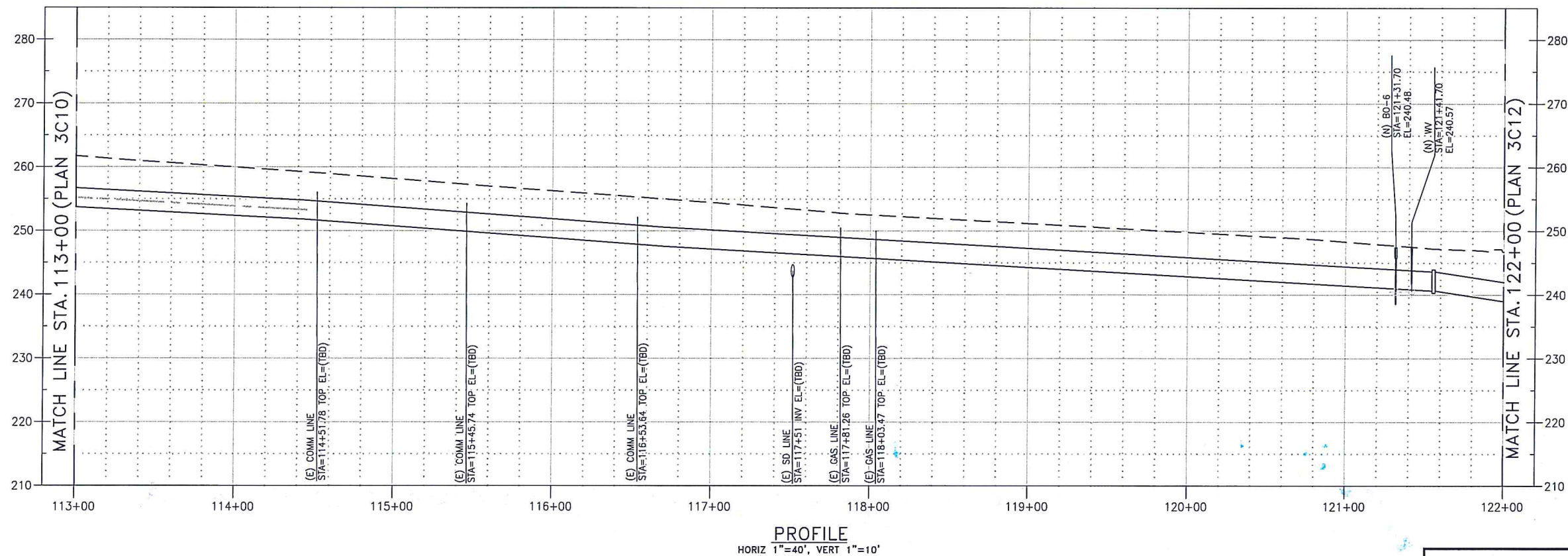
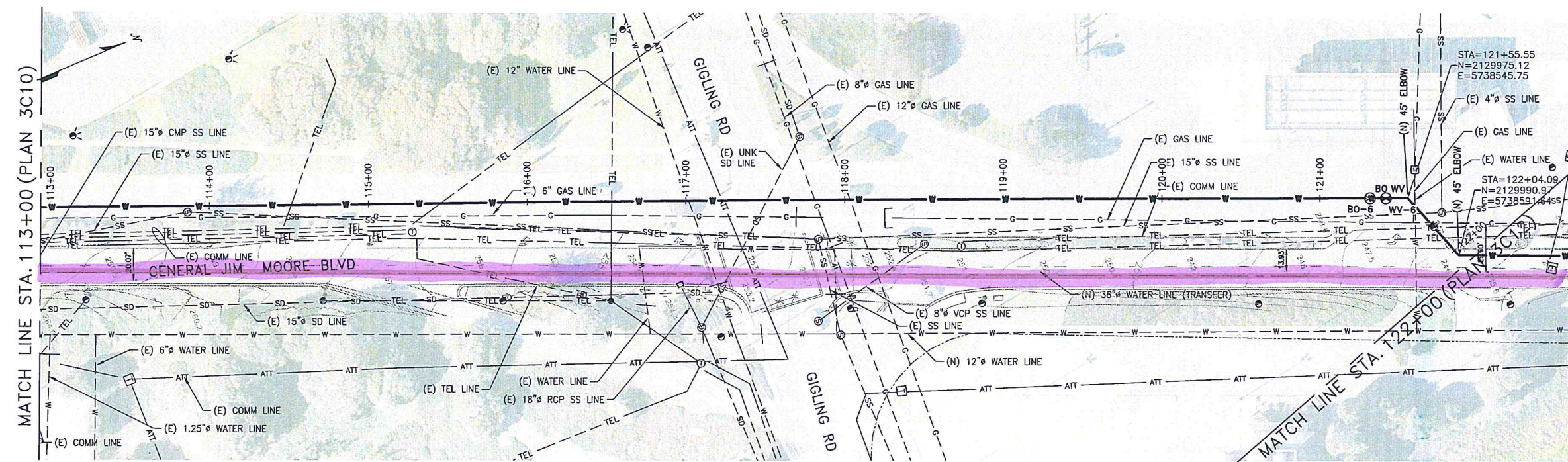
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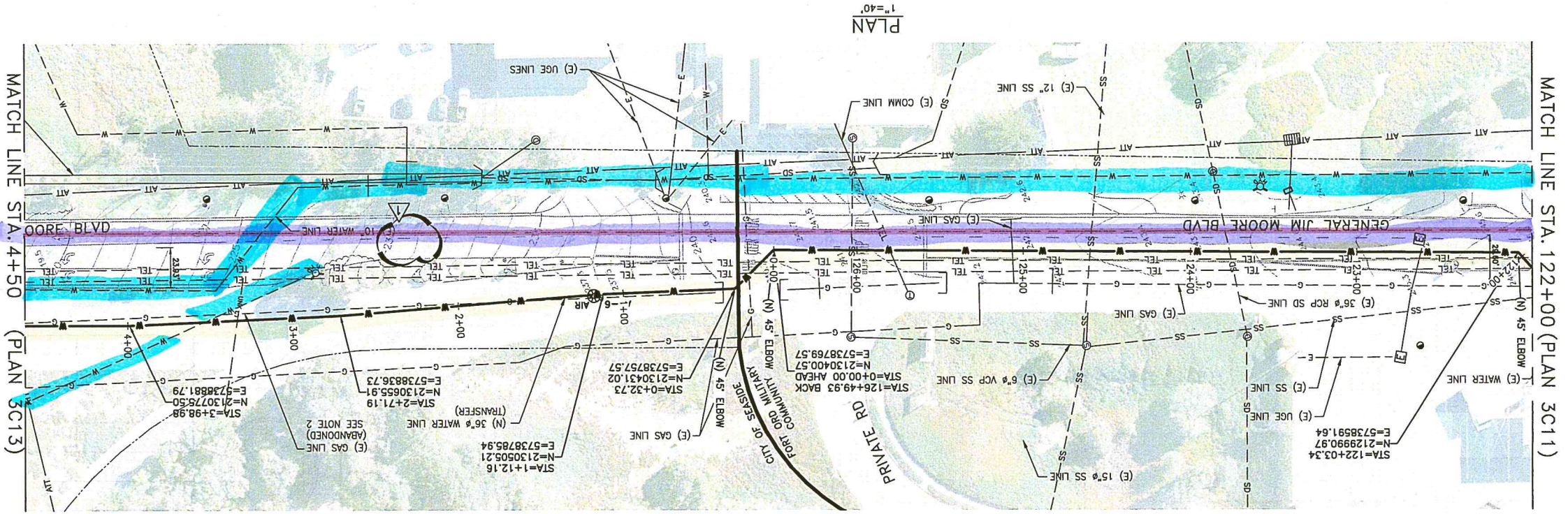
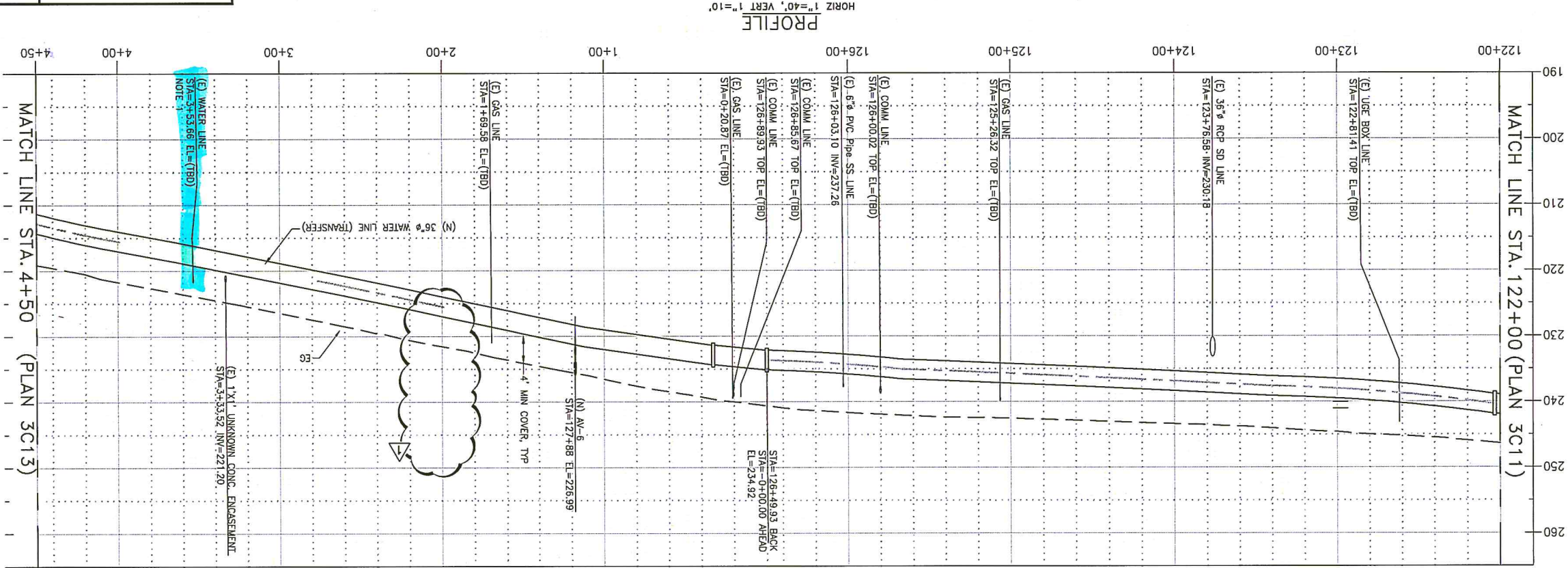


REVISIONS		TRANSMISSION MAINS FOR MPWSP CIVIL NORTH TRANSFER PIPELINE PLAN AND PROFILE STA 104+00 TO STA 113+00	
		CALIFORNIA	AMERICAN WATER
		DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN OAKLAND, CALIFORNIA 94612 AECOM 400 LAKEVIEW DRIVE SUITE 400 OAKLAND, CALIFORNIA 94612	
		APPROVED C. SMITH DATE MAY 2017 PROJECT 60424498 USE DIMENSIONS ONLY SCALE AS SHOWN	
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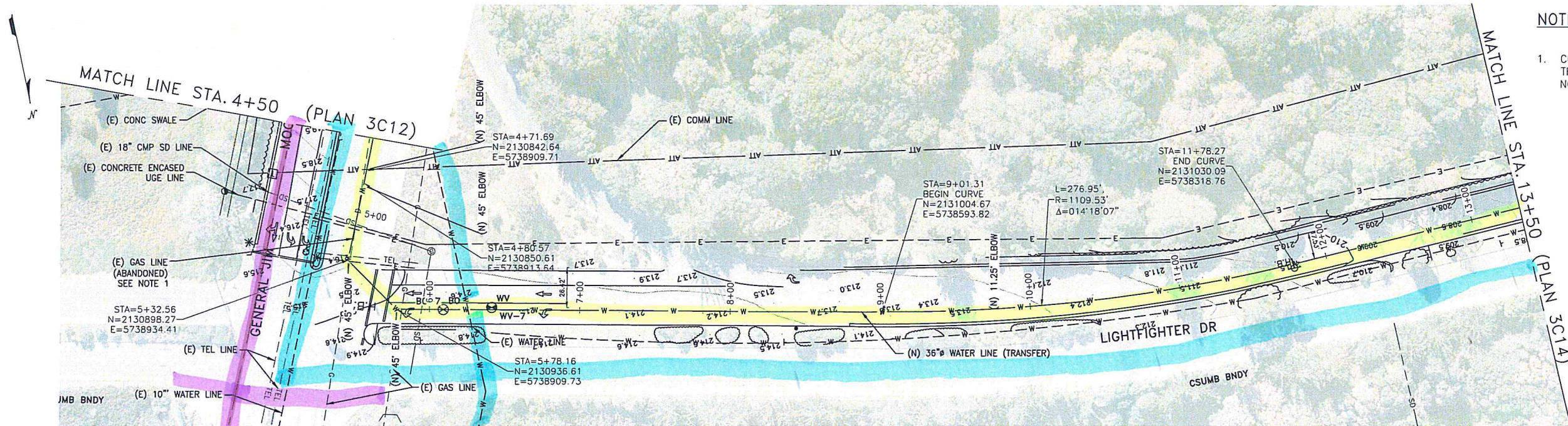
TRANSMISSION MAINS FOR MPWSP CIVIL PLAN AND PROFILE STA 122+00 TO STA 131+00	
REVISIONS	1 BID ADDENDUM 1 9/14/15 JAH
DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN DATE MAY 2017 PROJECT 6042498 APPROVED C. SMITH USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	
AECOM 400 LAKEVIEW DRIVE SUITE 400 OAKLAND, CALIFORNIA 94612 CALIFORNIA AMERICAN WATER	
3003C12	



- NOTES:
1. WATER MAIN WAS NOT LOCATED IN FIELD. POTHOLED TO DEPTH OF 7'-6" AND WAS UNABLE TO LOCATE.
 2. CONTRACTOR DISCUSSED WITH PCE REPRESENTATIVE IN THE FIELD. PCE NOTED LINE IS ABANDONED. LINE WAS NOT DETECTED WITH GPR.

MCWD/M1W RUWAP

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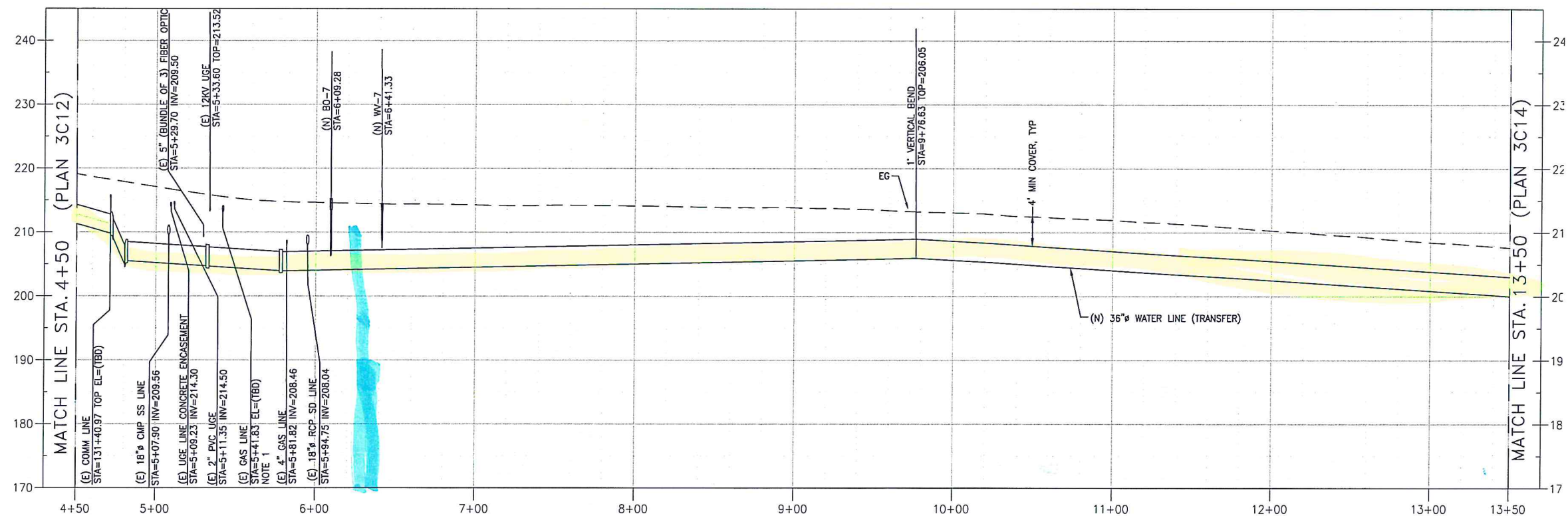


NOTES:

1. CONTRACTOR DISCUSSED WITH PGE REPRESENTATIVE IN THE FIELD. PGE NOTED LINE IS ABANDONED. LINE WAS NOT DETECTED WITH GPR.

MCWD/M1W RUWAP

PLAN
1"=40'



PROFILE
HORIZ 1"=40', VERT 1"=10'

0 10 20 30
VERT 1" = 10'

0 40 80 120
HORIZ 1" = 40'



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
NORTH TRANSFER PIPELINE
PLAN AND PROFILE STA 131+00 TO STA 140+00

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM
CALIFORNIA
AMERICAN WATER

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

DATE JANUARY 2016
PROJECT 60424498

USE DIMENSIONS ONLY
SCALE AS SHOWN

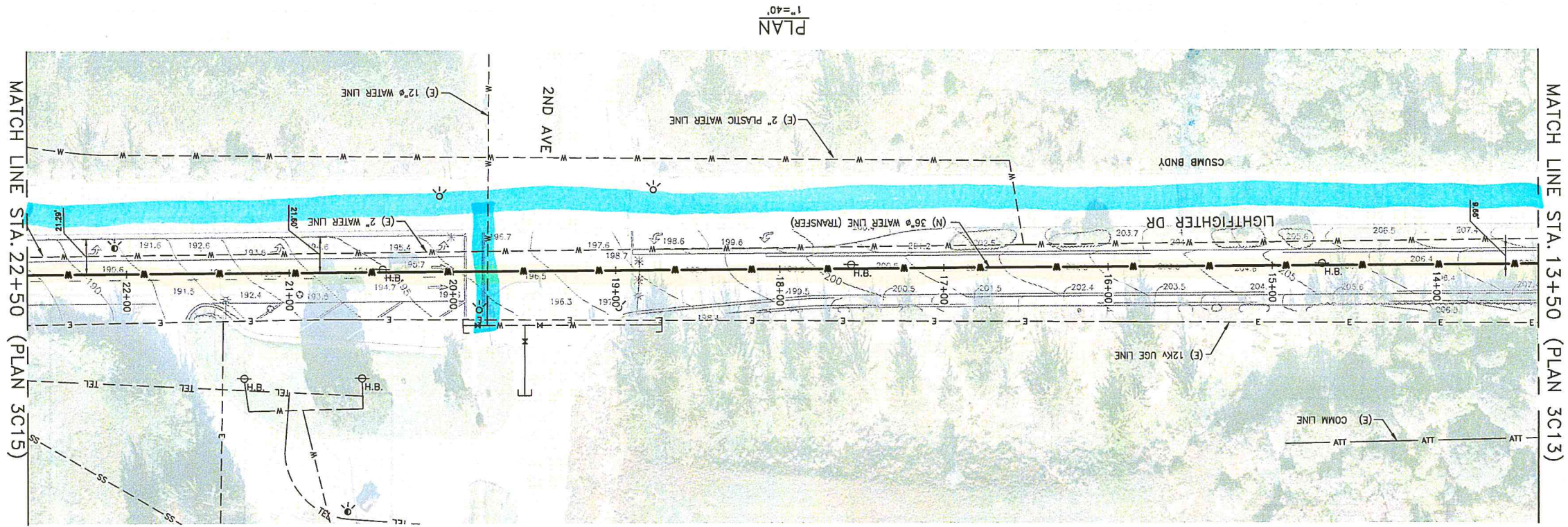
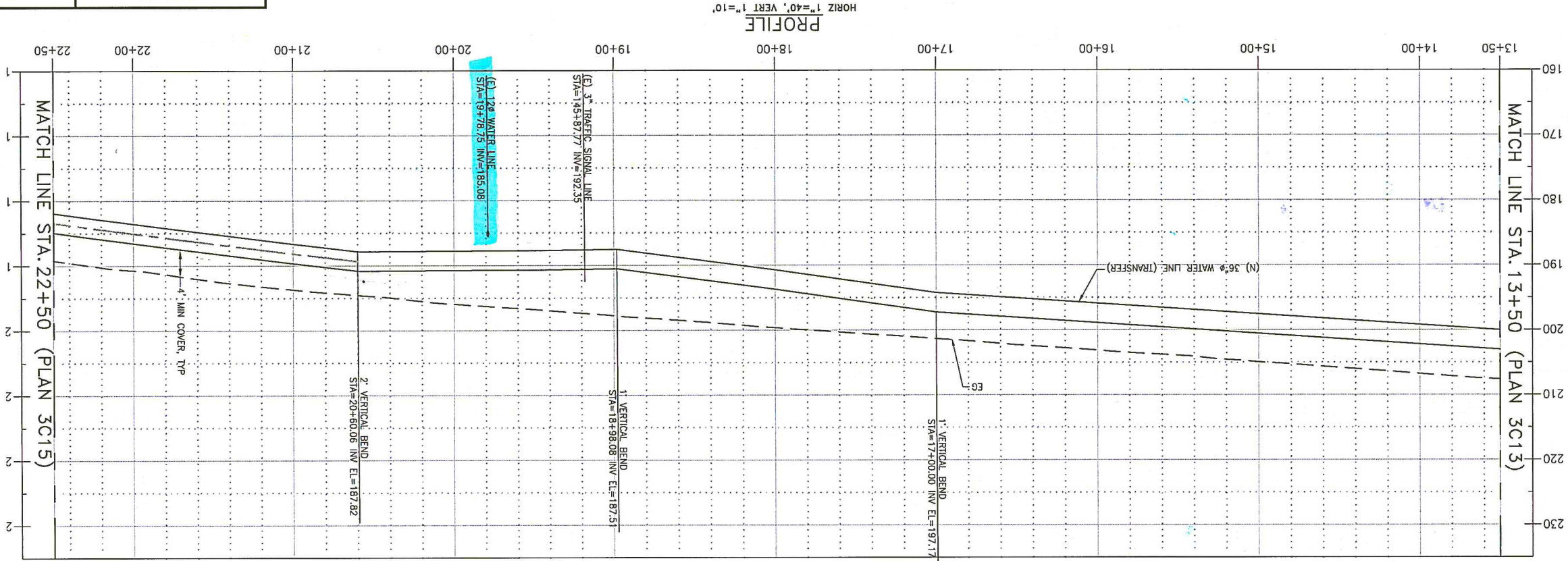
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3003C13

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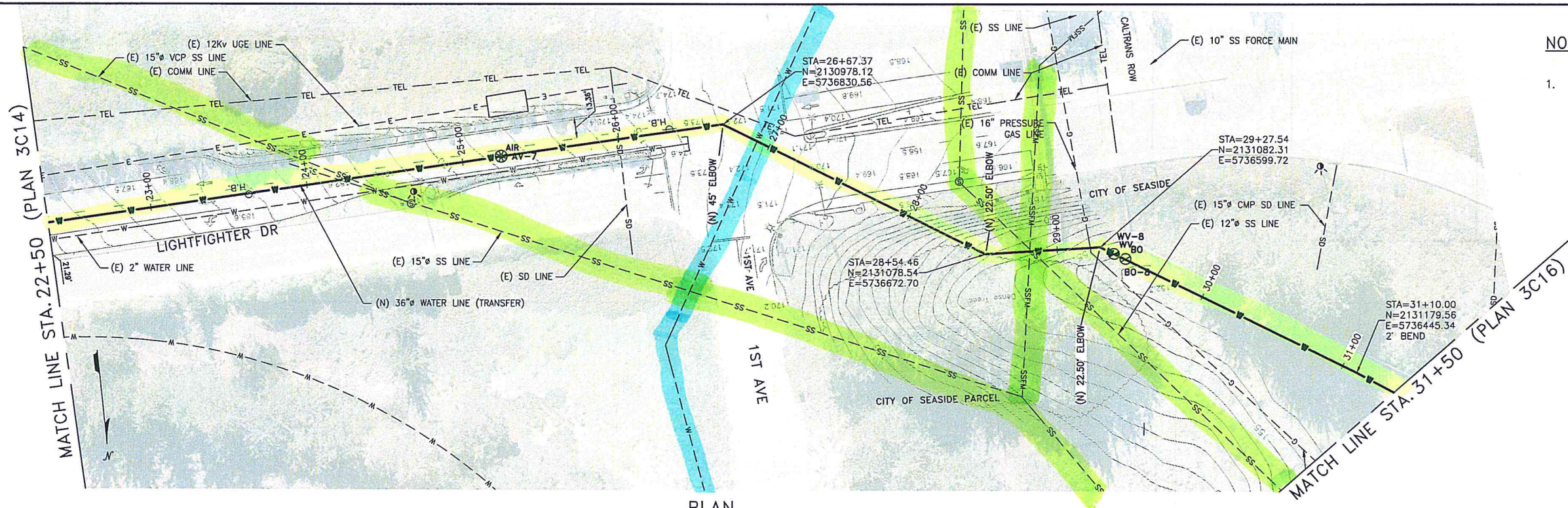


TRANSMISSION MAINS FOR MPWSP CIVIL PLAN AND PROFILE STA 140+00 TO STA 149+00	
REVISIONS	
AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612 DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN DATE JANUARY 2016 PROJECT 60424498 SCALE AS SHOWN USE DIMENSIONS ONLY USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	
3003C14	



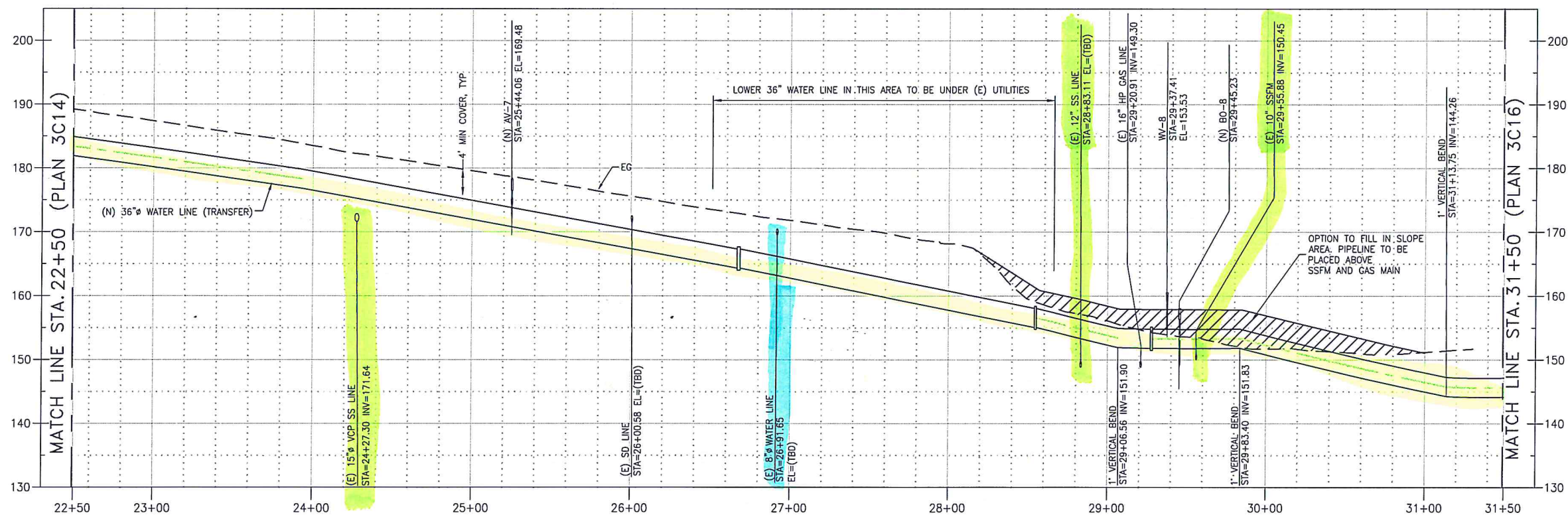
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NOTES:

1.



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 149+00 TO STA 158+00

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

CALIFORNIA
AMERICAN WATER

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

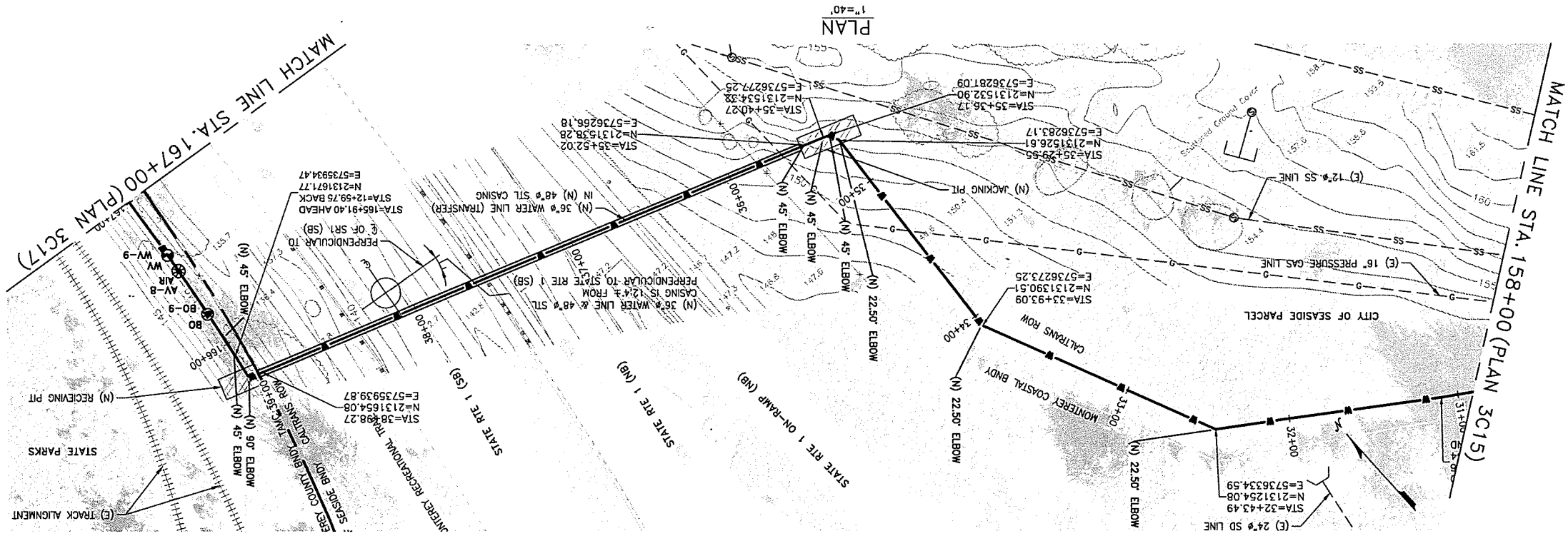
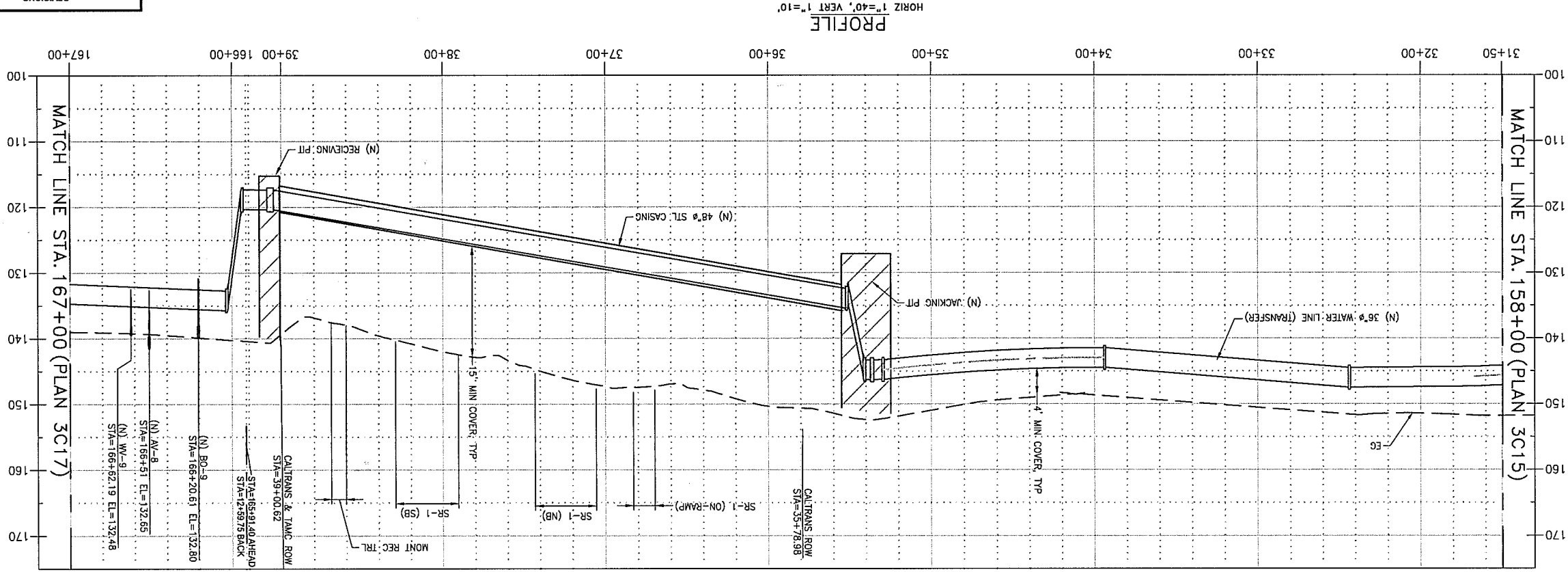
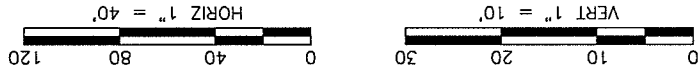
DATE JANUARY 2016
PROJECT 60424498

USE DIMENSIONS ONLY
SCALE AS SHOWN

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C15

10003003C15



NOTES:

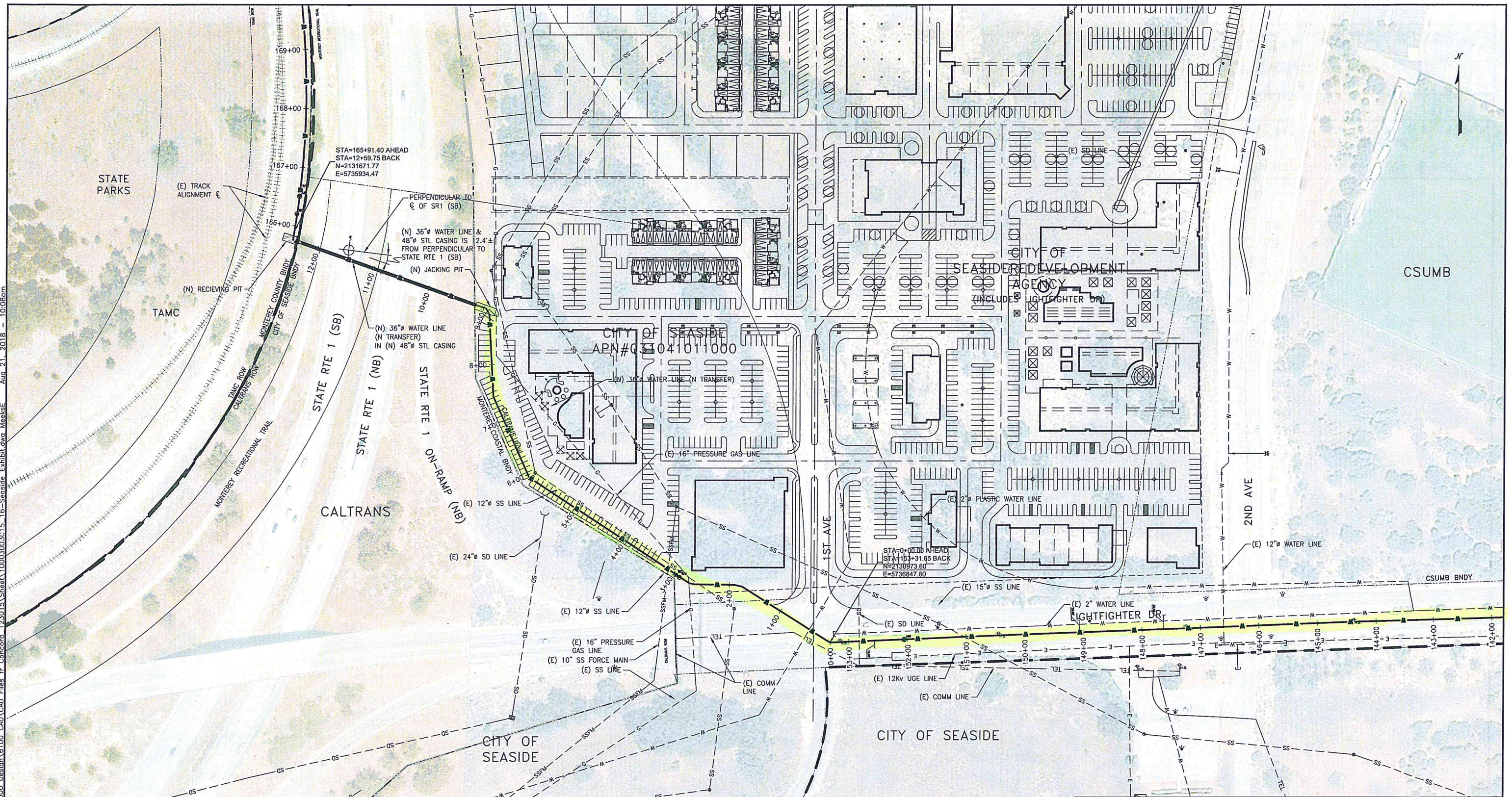
1. SEE JACK AND BORE DETAILS ON SHEET 0000C60.
2. CONTRACTOR IS PROHIBITED FROM ENTERING STATE PARKS LAND.



TRANSMISSION MAINS FOR MPWSP CIVIL PLAN AND PROFILE STA 158+00 TO STA 167+00	
REVISIONS	
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	
3003C16	

URS CORPORATION 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612	DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN DATE JANUARY 2016 PROJECT 60424498
CALIFORNIA AMERICAN WATER	USE DIMENSIONS ONLY SCALE AS SHOWN

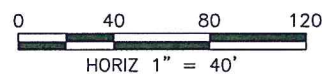
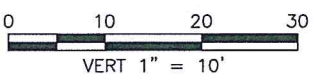
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NOTES:

1.

LEGEND



PLAN
1"=80'

REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
JACK AND BORE STAGING AREA

CALIFORNIA
AMERICAN WATER

URS CORPORATION
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

**CALIFORNIA
AMERICAN WATER**

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

DATE JANUARY 2016
PROJECT 60424498

USE DIMENSIONS ONLY
SCALE AS SHOWN

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

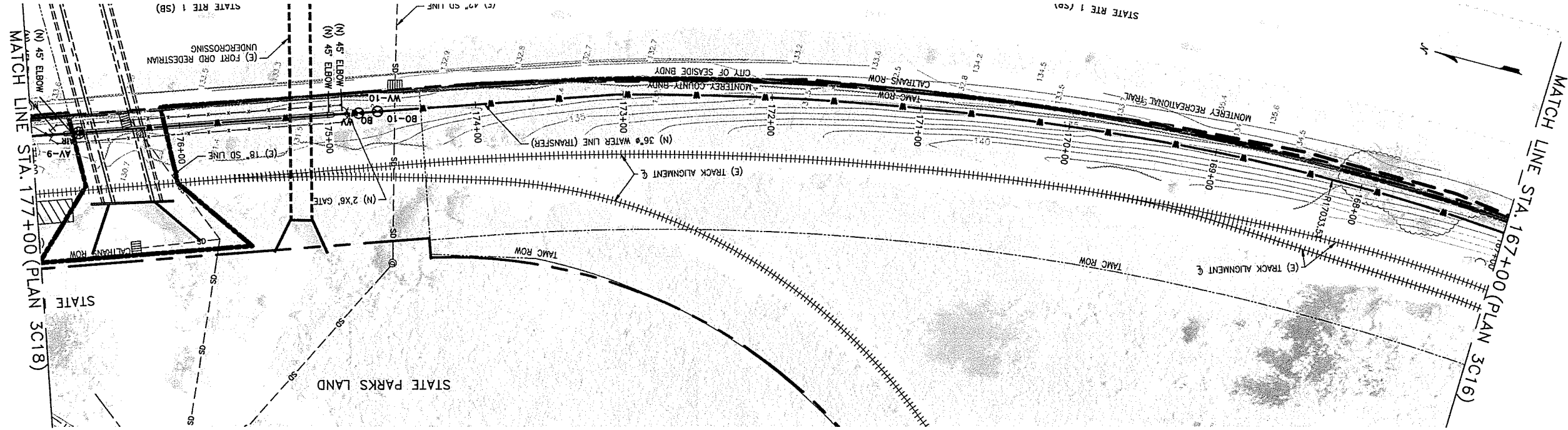
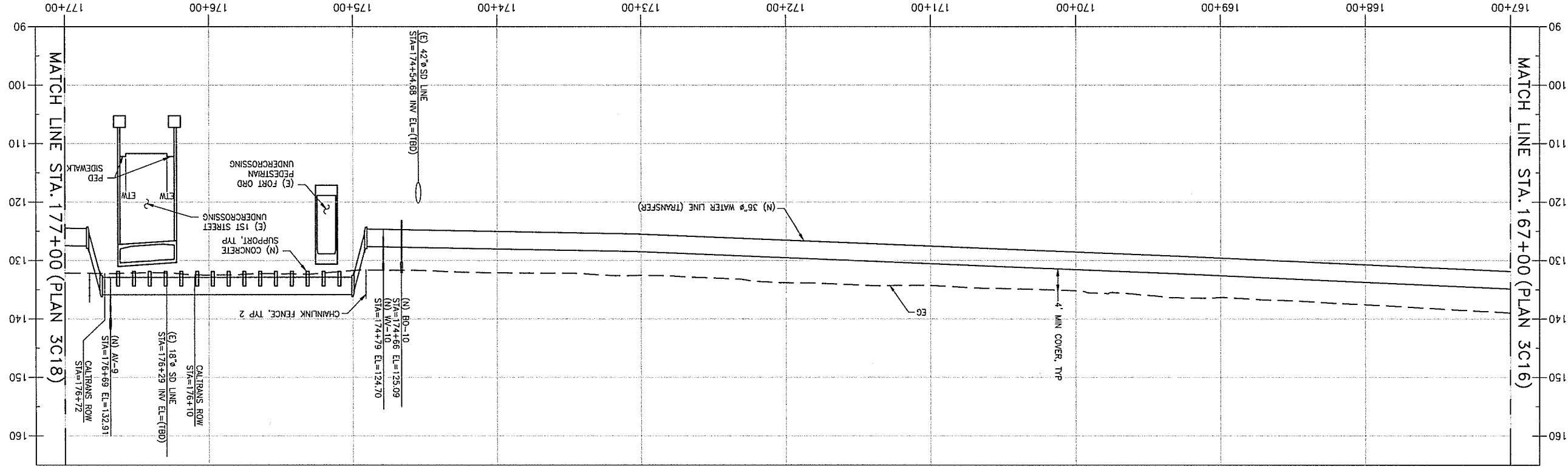
3003C15_16-Exhibit



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
AND PROFILE STA 167+00 TO STA 177+00

  AMERICAN WATER CALIFORNIA	USE DIMENSIONS ONLY SCALE AS SHOWN	3003C17
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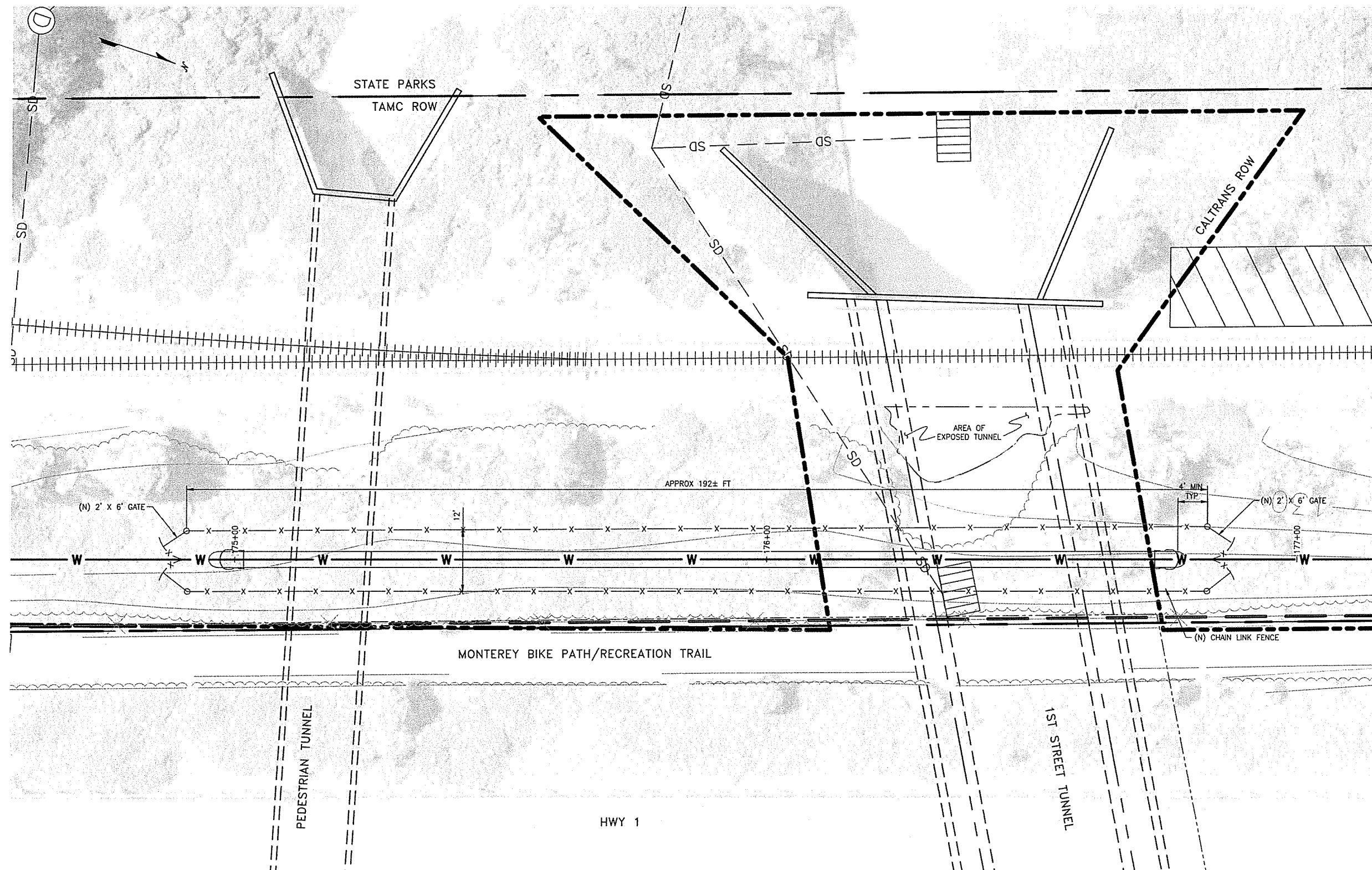


1. SEE DETAILS FOR ABOVE GRADE SECTION OF PIPE ON SHEETS 3003C17A AND 0000C70.
2. CONTRACTOR IS PROHIBITED FROM ENTERING STATE PARKS LAND.

NOTES:

NOTES:

- SEE DETAILS ON SHEET 0000C70.



PLAN
1"=10'

0 5 10 20 30
SCALE 1" = 10'



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
DETAILS OF 3C17

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

CALIFORNIA
AMERICAN WATER

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

DATE AUGUST 2015
PROJECT 60424498

USE DIMENSIONS ONLY
SCALE AS SHOWN

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C17-A



TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 177+00 TO STA 186+00

REVISIONS

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C18

1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

CALIFORNIA
AMERICAN WATER

APPROVED C. SMITH
PROJECT ENG'R J. HYMAN
DATE AUGUST 2015
PROJECT 60424498
SCALE AS SHOWN

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
DATE AUGUST 2015
PROJECT 60424498
SCALE AS SHOWN

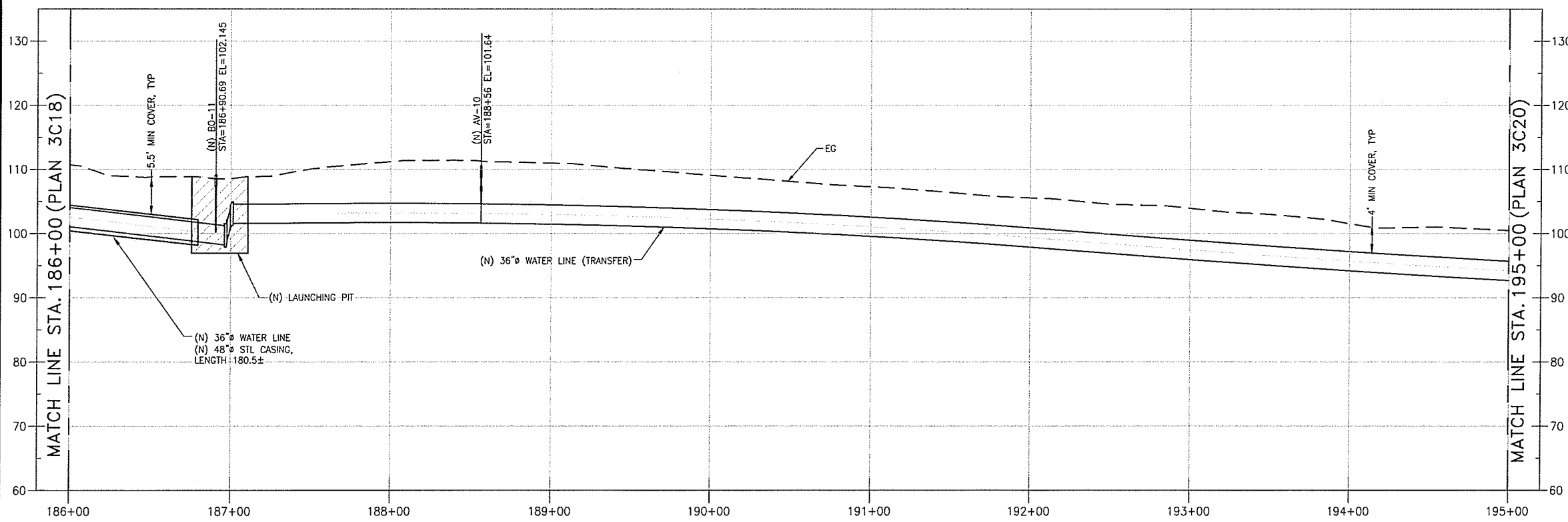
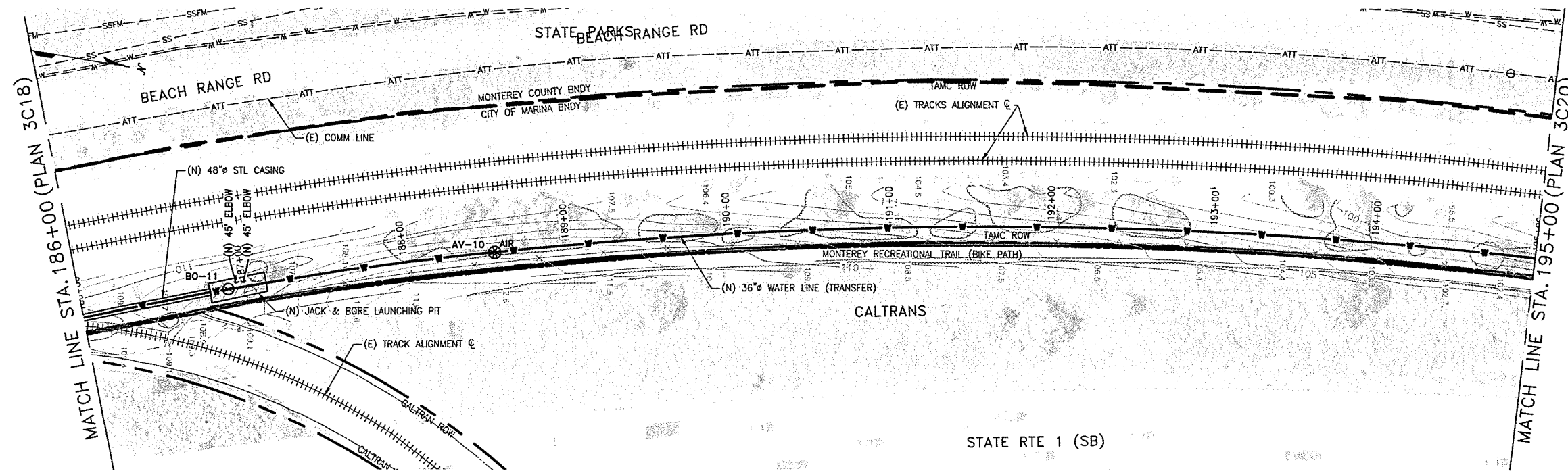
PROFILE
HORIZ 1" = 40', VERT 1" = 10'

PLAN
1" = 40'

NOTES:

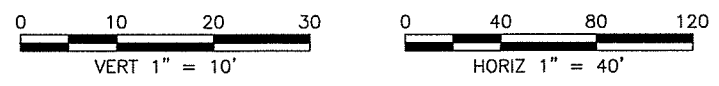
1. STEEL CASING SHALL MEET TAMC REQUIREMENTS SUCH AS 5.5 FEET MINIMUM COVER FROM BASE OF RAIL.
2. CONTRACTOR IS PROHIBITED FROM ENTERING BIKE PATH, CALTRANS AND STATE PARK LANDS.
3. CONTRACTOR TO PROTECT AND SECURE WORK SO AS NOT TO IMPACT USERS OF BIKE PATH.
4. SEE JACK AND BORE DETAILS ON SHEETS 0000C60 AND 0000C61

\\CAL-AM-MPWSP\Sheet\10003003C19.dwg christina_somera Aug 06, 2015 - 2:23pm

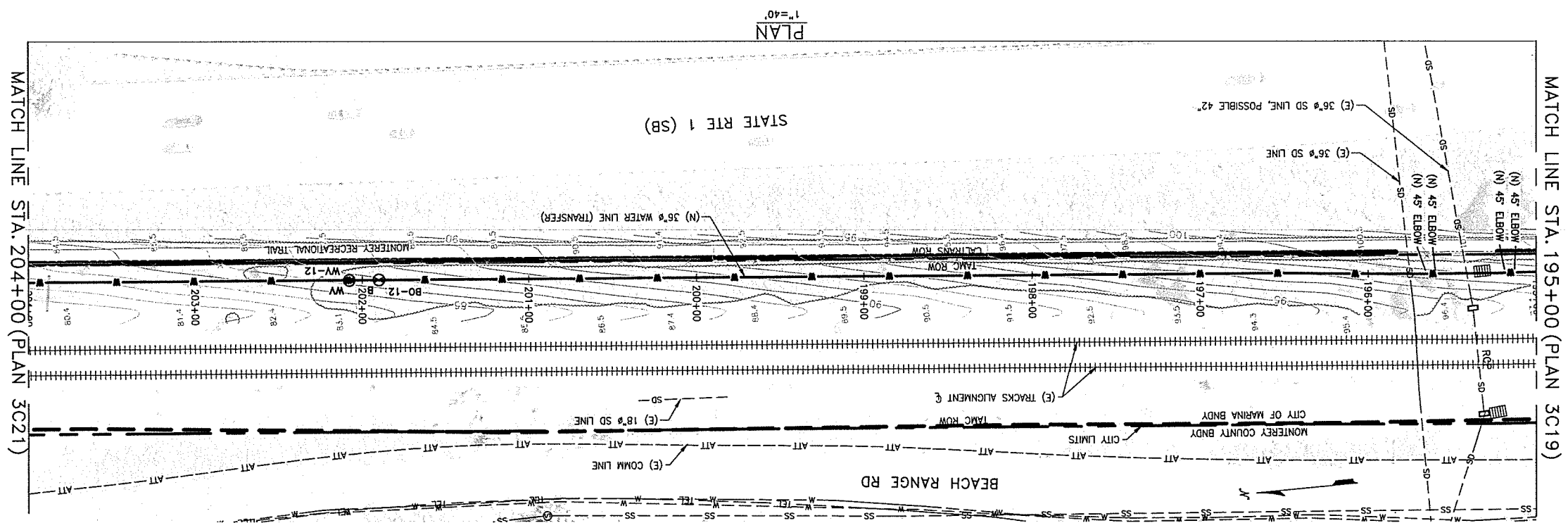
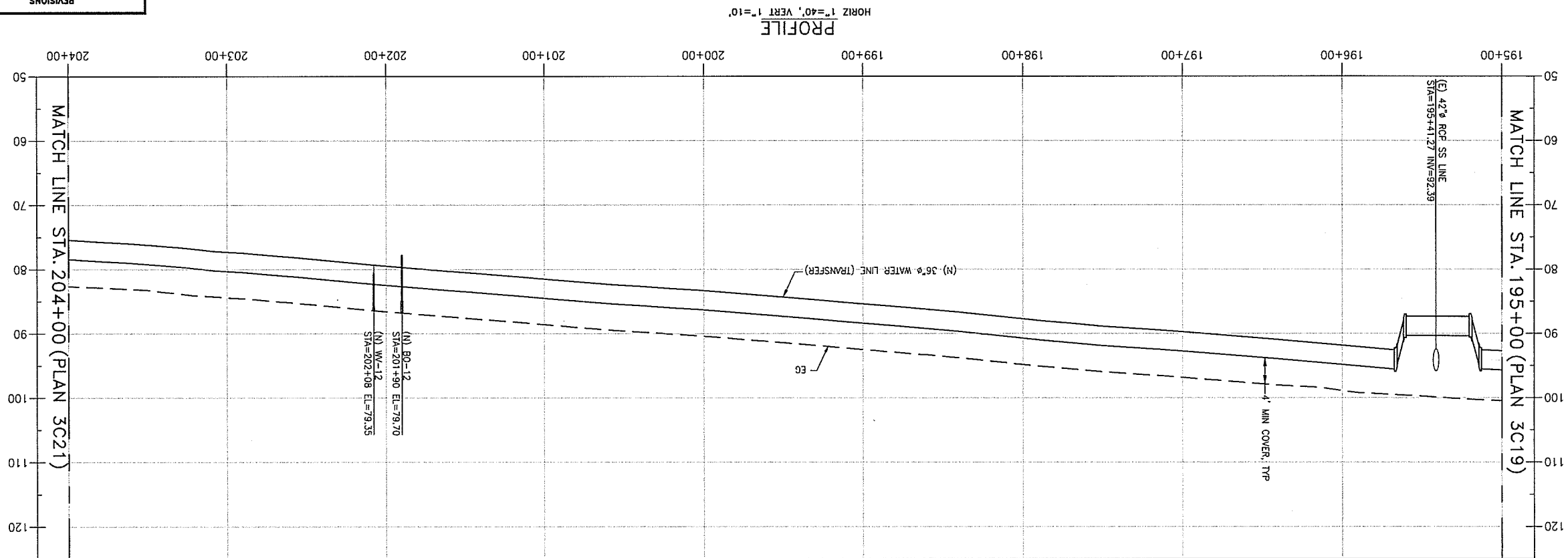
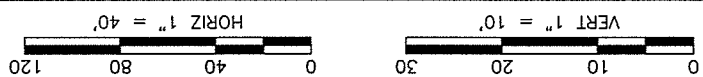


NOTES:

1. STEEL CASING SHALL MEET TAMC REQUIREMENTS SUCH AS 5.5 FEET MINIMUM COVER FROM BASE OF RAIL.
2. CONTRACTOR IS PROHIBITED FROM ENTERING BIKE PATH, CALTRANS AND STATE PARK LANDS.
3. CONTRACTOR TO PROTECT AND SECURE WORK SO AS NOT TO IMPACT USERS OF BIKE PATH.
4. SEE JACK AND BORE DETAILS ON SHEETS 0000C60 AND 0000C61



REVISIONS		TRANSMISSION MAINS FOR MPWSP CIVIL TRANSFER PIPELINE PLAN AND PROFILE STA 186+00 TO STA 195+00	
		CALIFORNIA AMERICAN WATER	
		AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612	CALIFORNIA AMERICAN WATER
		DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN APPROVED C. SMITH	DATE AUGUST 2015 PROJECT 60424498 USE DIMENSIONS ONLY SCALE AS SHOWN
		USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	
		3003C19	

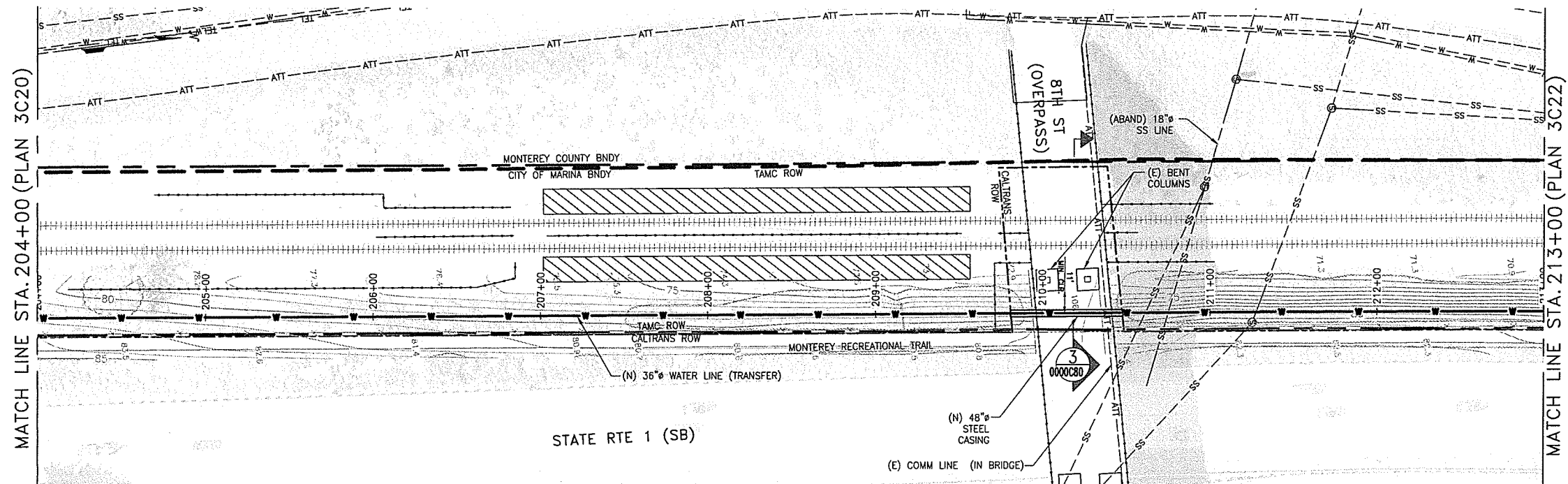


NOTES:

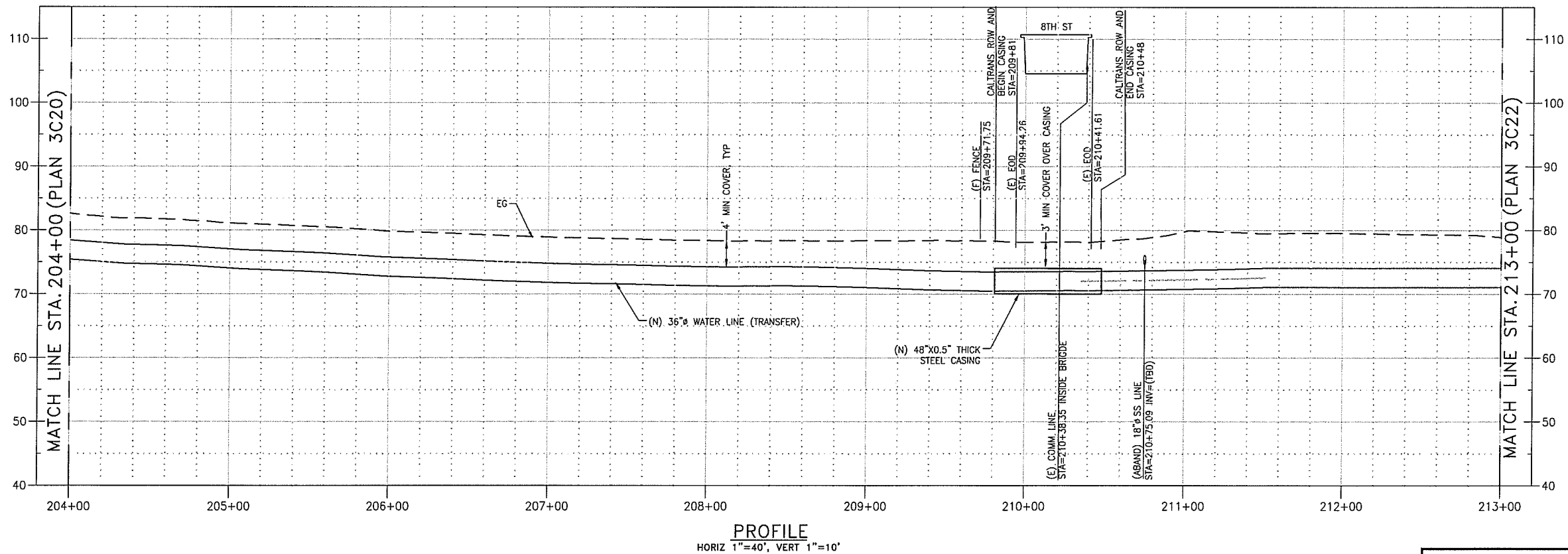
TRANSMISSION MAINS FOR MPWSP CIVIL TRANSFER PIPELINE PLAN AND PROFILE STA 195+00 TO STA 204+00	CALIFORNIA AMERICAN WATER
 AMERICAN WATER CALIFORNIA	AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612 DRAWN BY C. SOMERA PROJECT ENGR J. HYMAN APPROVED C. SMITH DATE AUGUST 2015 PROJECT 60424498 USE DIMENSIONS AS SHOWN SCALE AS SHOWN
3003C20	USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES

10003003C20

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PLAN
1"=40'



PROFILE
HORIZ 1"=40', VERT 1"=10'

0 10 20 30
VERT 1" = 10'

0 40 80 120
HORIZ 1" = 40'

NOTES:

1. ENTER CALTRANS ROW IN ACCORDANCE WITH PERMIT CONDITIONS.
2. SEE DETAIL 3 SHEET 0000C80 FOR CLEARANCES FROM OVERPASS.
3. CONTRACTOR SHALL POST SIGN ONE WEEK BEFORE CONSTRUCTION ACTIVITIES IS SET TO BEGIN, NOTIFYING THE PUBLIC THAT THE RECREATIONAL TRAIL WILL BE AVAILABLE (LIST DATE AND HOURS). TRAIL CLOSURE SHALL BE LIMITED TO A MAXIMUM OF 9 AM TO 3 PM.

REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 204+00 TO STA 213+00

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

CALIFORNIA
AMERICAN WATER

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

DATE JANUARY 2016
PROJECT 6042498

USE DIMENSIONS ONLY
SCALE AS SHOWN

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C21

10003003C21



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
AND PROFILE STA 213+00 TO STA 222+00

CALIFORNIA
AMERICAN WATER

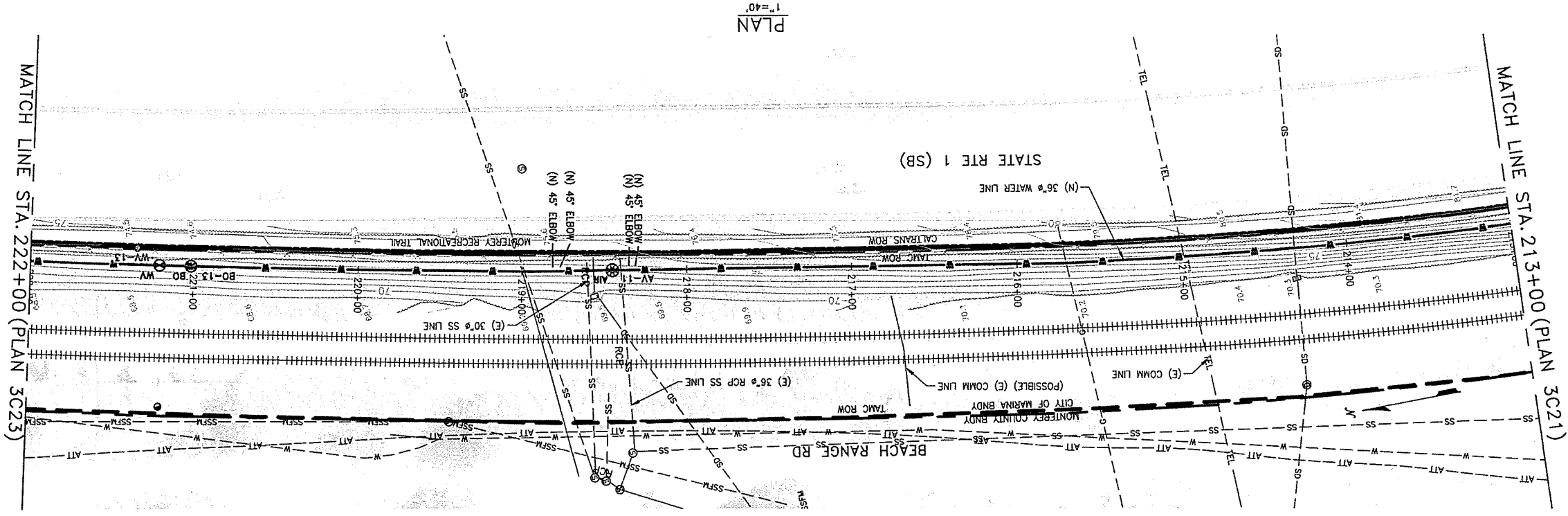
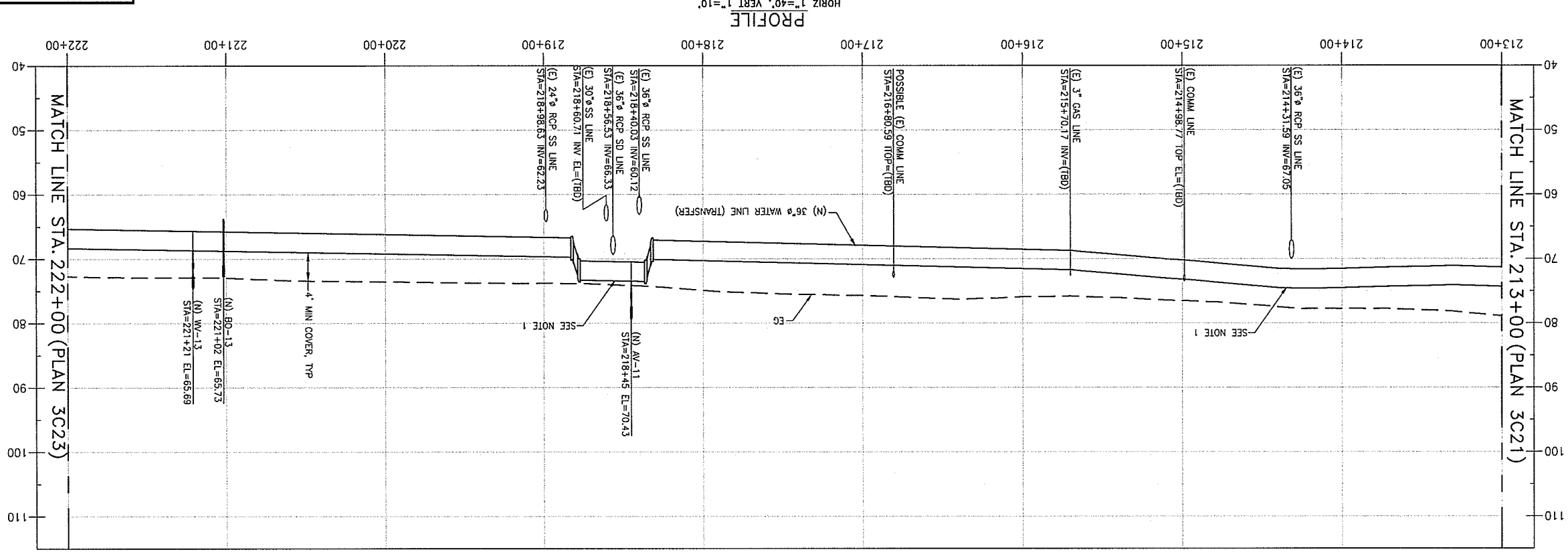
ECOM
333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612



AMERICAN WATER
CALIFORNIA

**USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES**

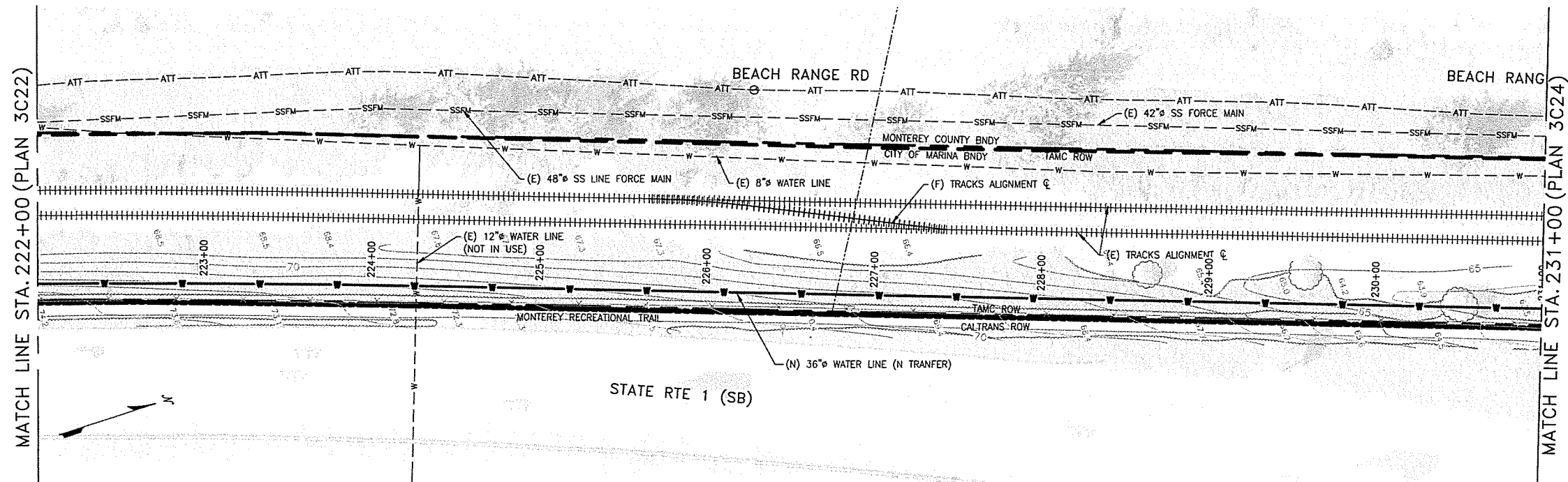
3003C22



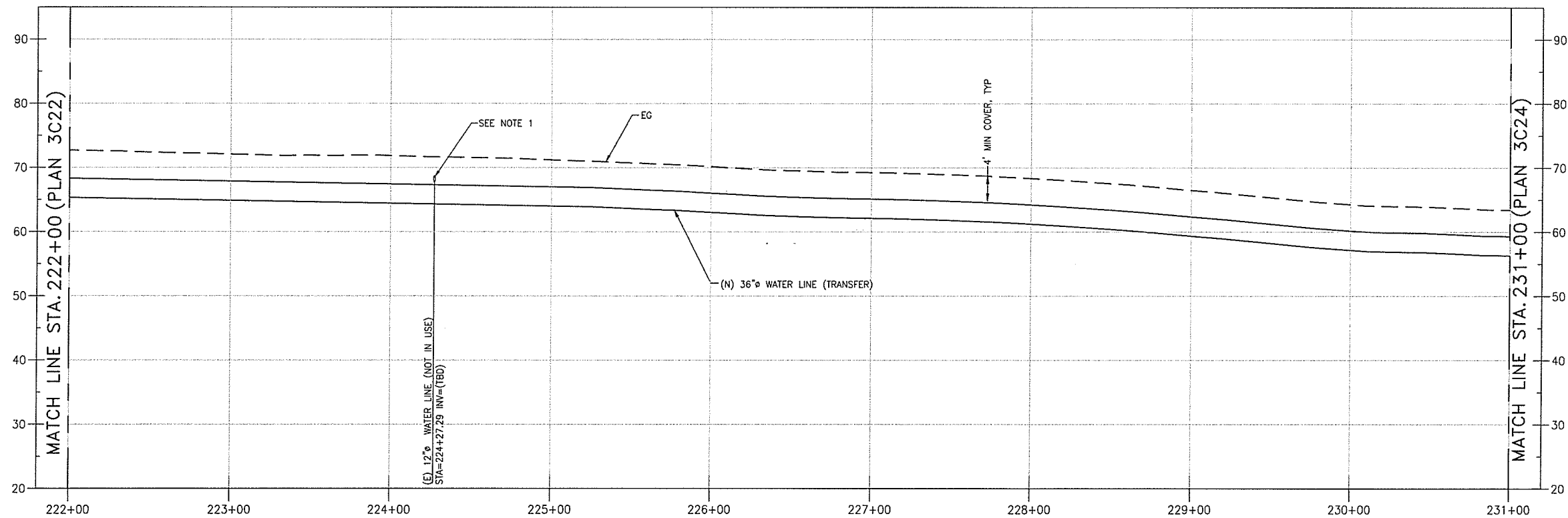
1. INSTALL (N) WATER PIPE OVER (E) SS WITH 1 FOOT CLEARANCE.
ADD NATIVE TOPSOIL AS NECESSARY FOR MIN. 4 FEET OF
COVER OVER PIPE.

NOTES:

U:\CAL-Am-MPWSP\Sheet\10003003C23.dwg christina_somera Aug 06, 2015 - 2:31pm



PLAN
1"=40'



PROFILE
HORIZ 1"=40', VERT 1"=10'

NOTES:

1. LOWER (E) 12" WATER LINE UNDER (N) 36" WATER LINE.

0 10 20 30
VERT 1" = 10'

0 40 80 120
HORIZ 1" = 40'



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 222+00 TO STA 231+00

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

CALIFORNIA
AMERICAN WATER

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

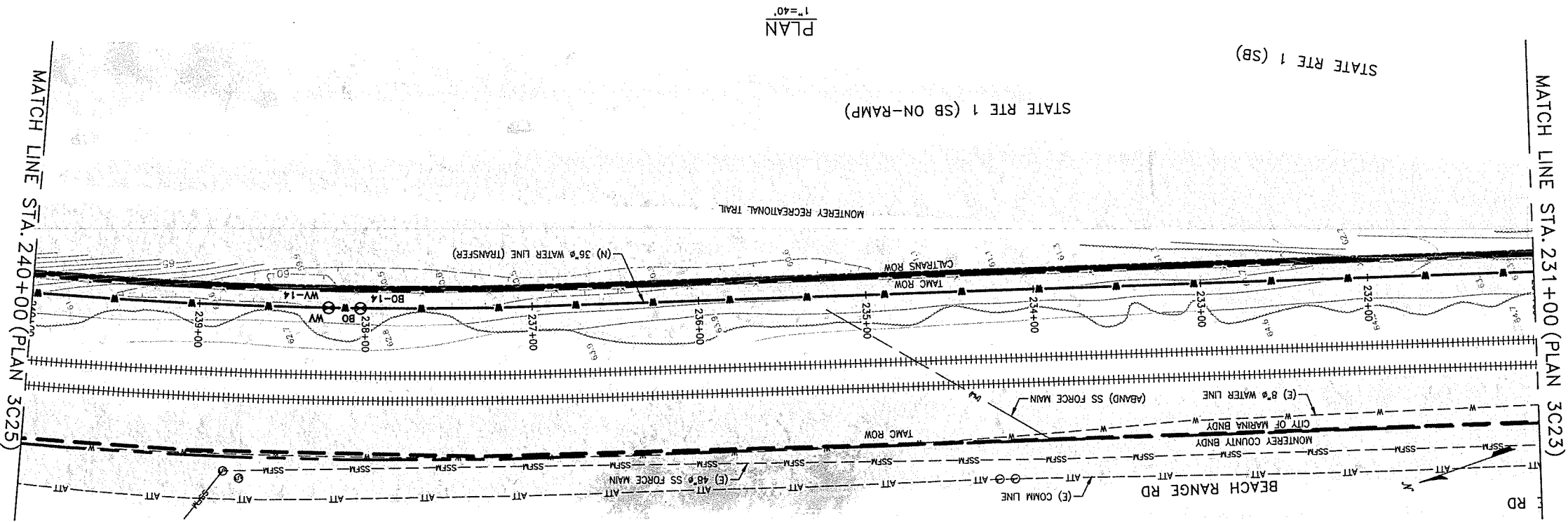
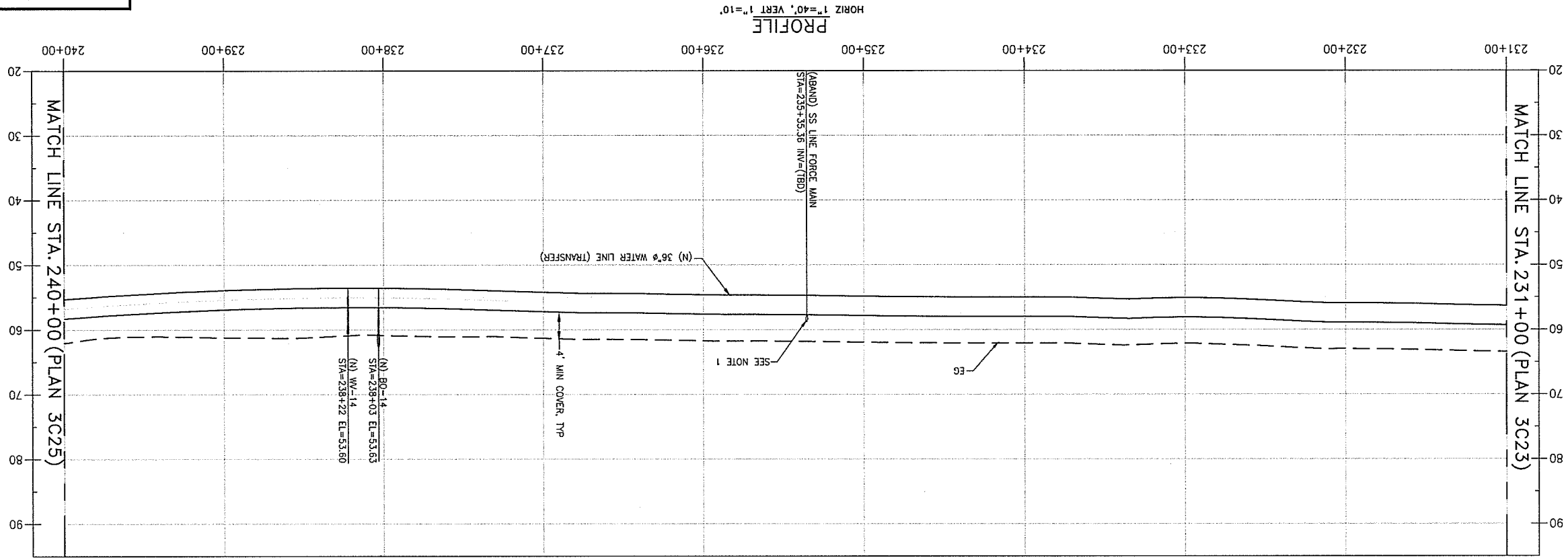
DATE AUGUST 2015
PROJECT 60424498

USE DIMENSIONS ONLY
SCALE AS SHOWN

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C23

10003003C23



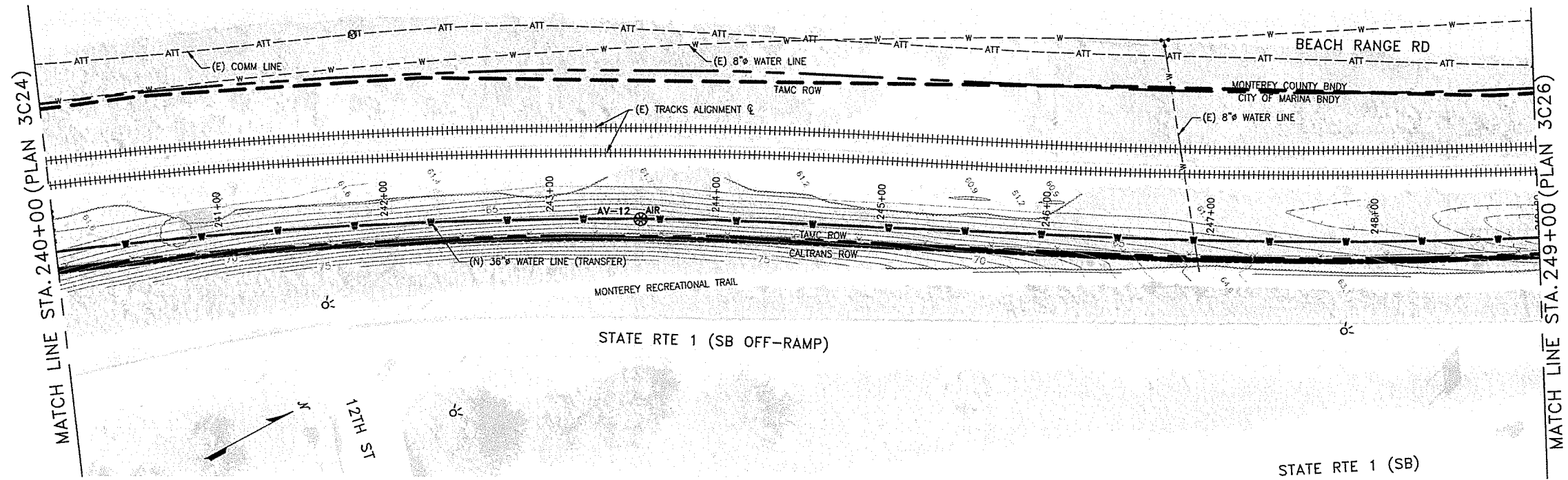
NOTES:

1. IF (N) WATER LINE INTERSECTS ABANDONED SSFM, REMOVE SSFM, RESTRAINED CAP.
REMOVE SSFM MIN. 2 FT. FROM PIPE AND PLUG EACH END WITH A

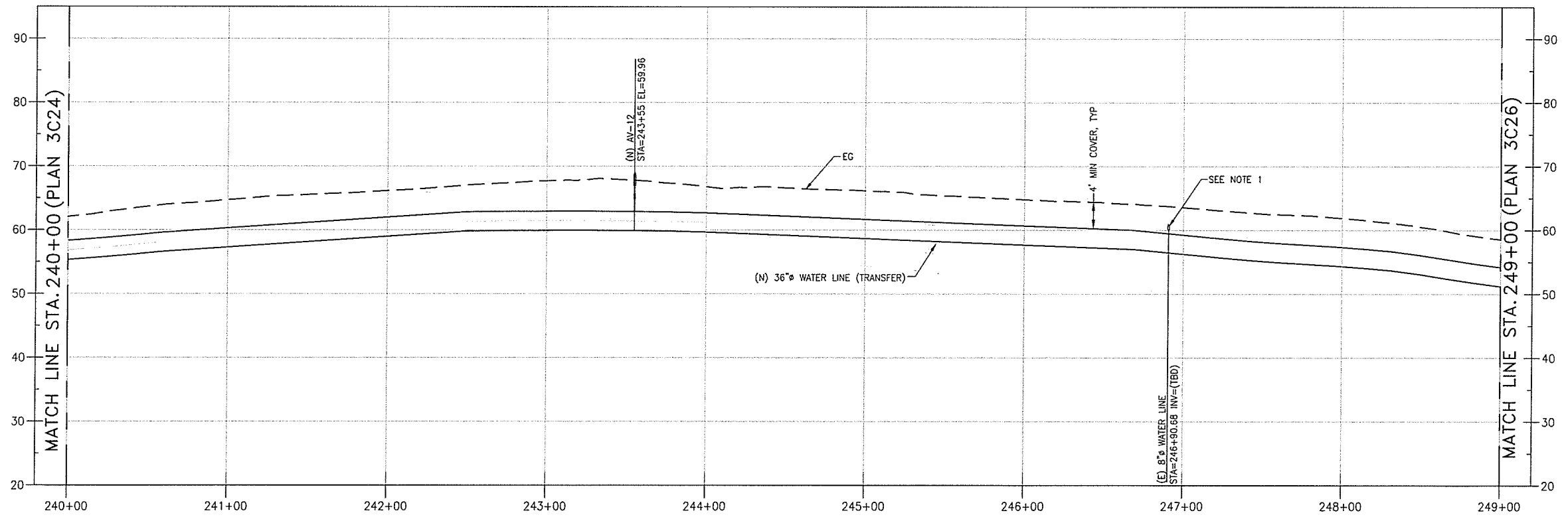


TRANSMISSION MAINS FOR MPWSP CIVIL PLAN AND PROFILE STA 231+00 TO STA 240+00 CALIFORNIA AMERICAN WATER	
AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612 DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN APPROVED C. SMITH DATE AUGUST 2015 PROJECT 60424498 SCALE AS SHOWN USE DIMENSIONS ONLY FOR CONSTRUCTION PURPOSES USE APPROVED DRAWINGS ONLY	
3003C24	

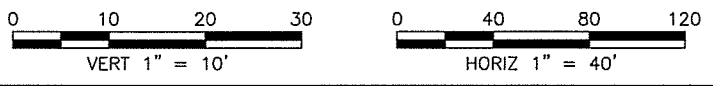
I:\CAL-Am-HPVSP\Sheet\10003003C25.dwg christina somera Aug 06, 2015 - 2:35pm



PLAN
1"=40'

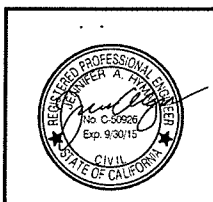


PROFILE
HORIZ 1"=40', VERT 1"=10'

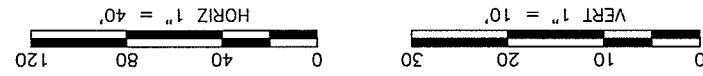


NOTES:

1. LOWER (E) 8" WATER MAIN BELOW (N) WATER MAIN. COORDINATE TO HAVE MARINA COAST WATER DISTRICT CONDUCT SHUTDOWN.



REVISIONS		TRANSMISSION MAINS FOR MPWSP CIVIL TRANSFER PIPELINE PLAN AND PROFILE STA 240+00 TO STA 249+00	
		CALIFORNIA AMERICAN WATER	
		AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612	
		DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN APPROVED C. SMITH	
		DATE AUGUST 2015 PROJECT 60424498	
		USE DIMENSIONS ONLY SCALE AS SHOWN	
		USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	
		3003C25	



TRANSMISSION MAINS FOR MPWSP
CIVIL
PLAN AND PROFILE STA 249+00 TO STA 258+00

REVISIONS

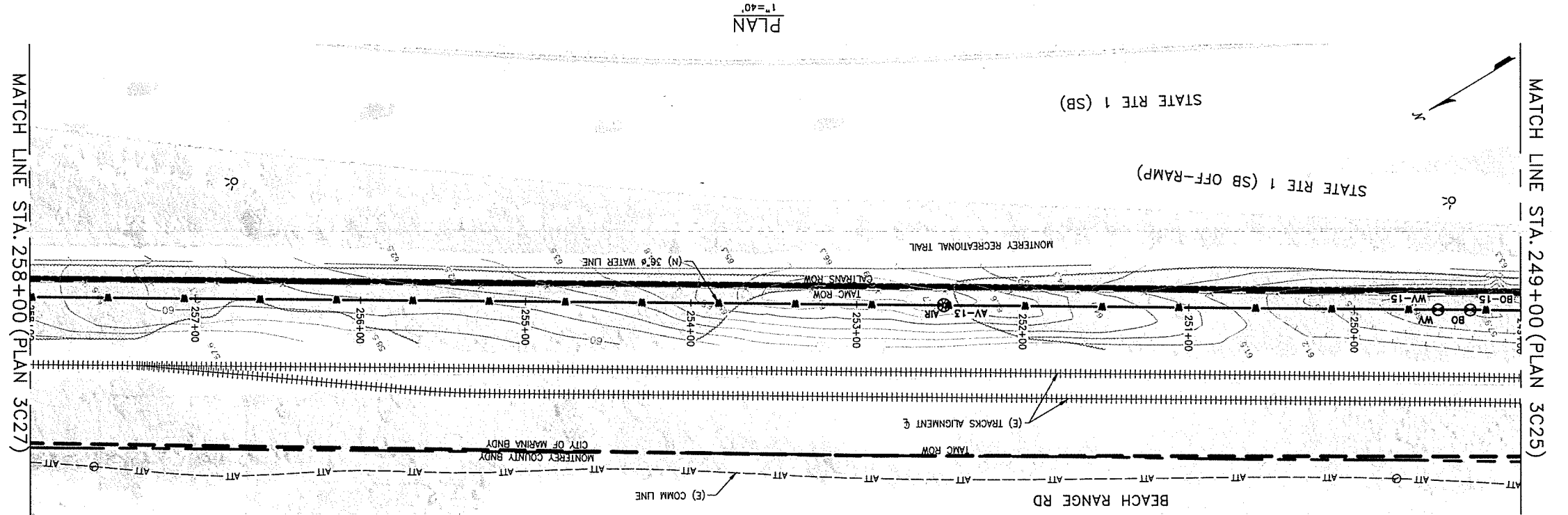
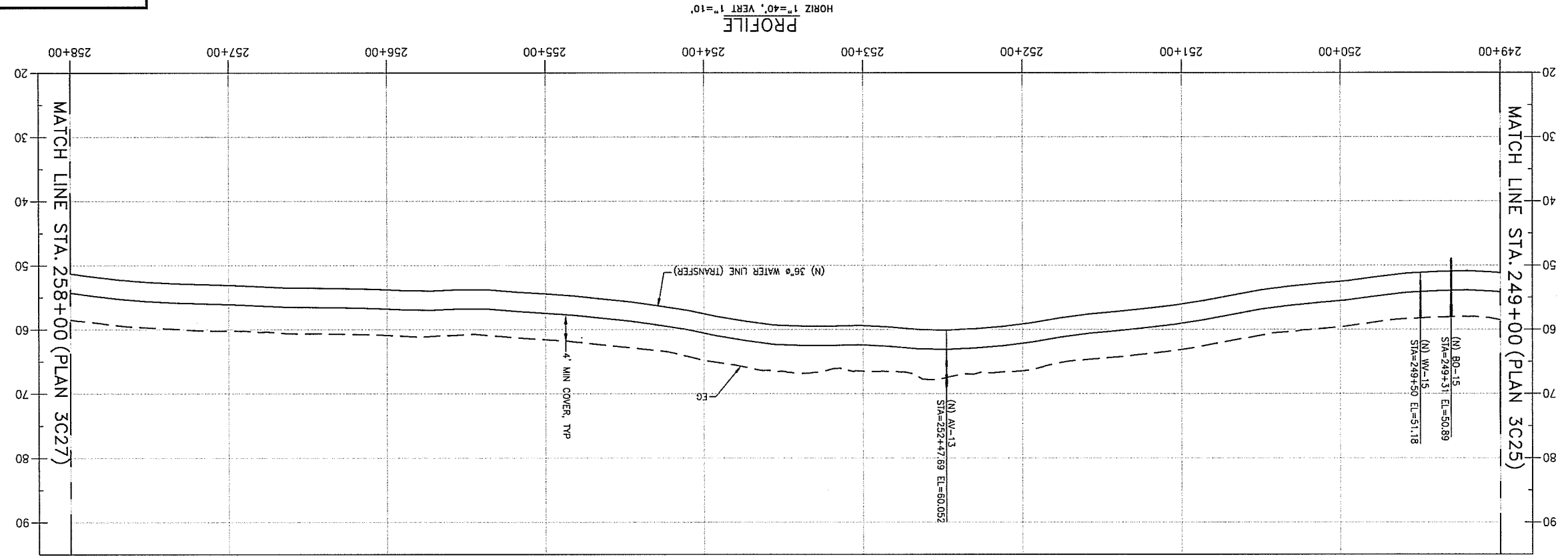
AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

APPROVED C. SMITH
PROJECT ENG'R J. HYMAN
DATE AUGUST 2015
PROJECT 60424498

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C26

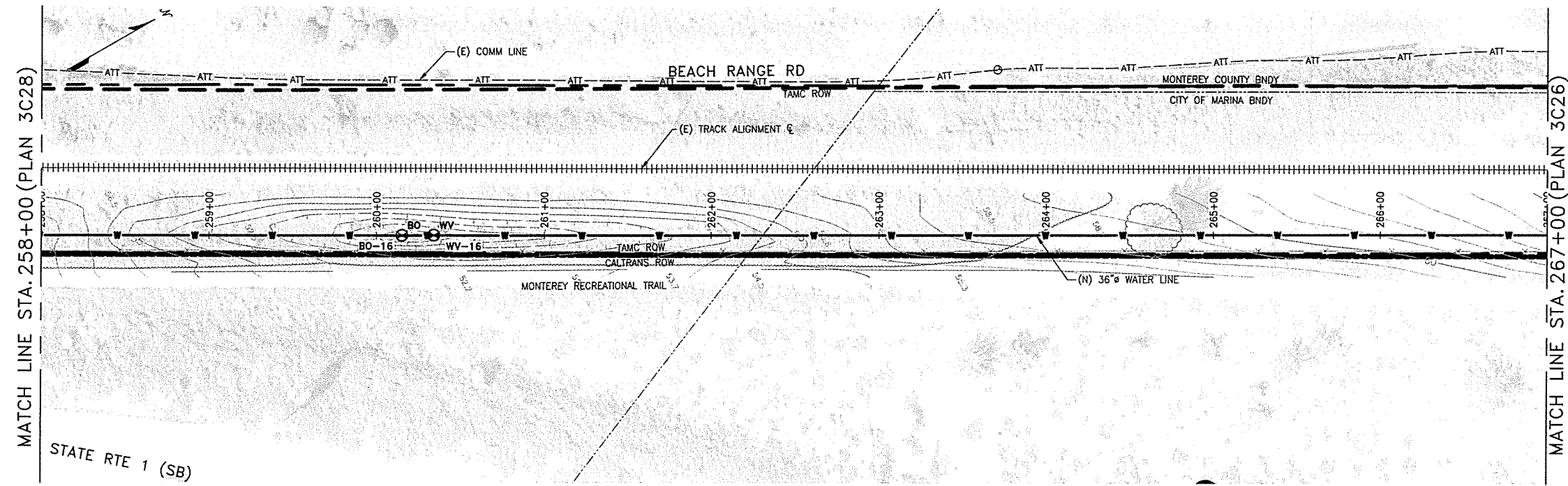
TRANSMISSION MAINS FOR MPWSP
CIVIL
PLAN AND PROFILE STA 249+00 TO STA 258+00



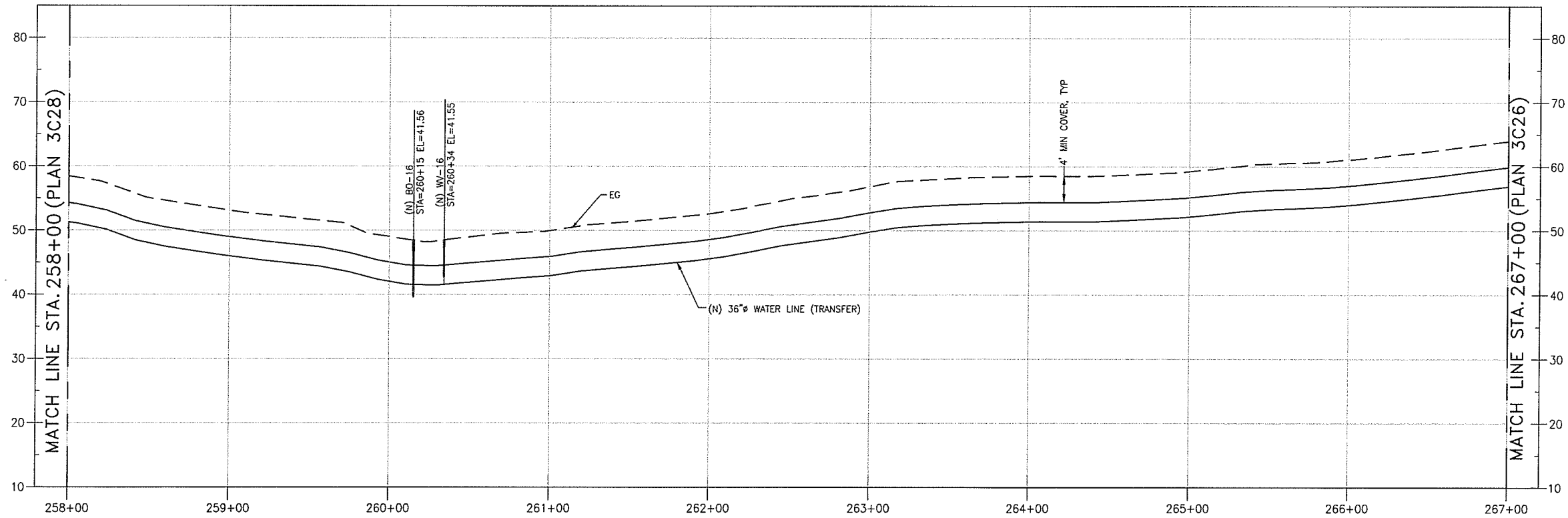
NOTES:

1.

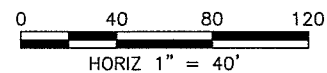
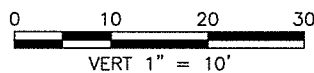
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PLAN
1"=40'



PROFILE
HORIZ 1"=40', VERT 1"=10'

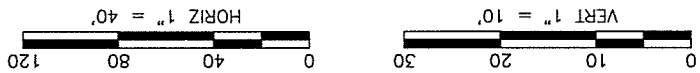


REVISIONS

TRANSMISSION MAINS FOR MPWSP CIVIL TRANSFER PIPELINE PLAN AND PROFILE STA 258+00 TO STA 267+00	
CALIFORNIA AMERICAN WATER	
AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612	AECOM CALIFORNIA AMERICAN WATER
DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN APPROVED C. SMITH	DATE AUGUST 2015 PROJECT 60424498 USE DIMENSIONS ONLY SCALE AS SHOWN
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	
3003C27	

NOTES:

1.



TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 267+00 TO STA 276+00

REVISIONS

1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

AMERICAN WATER

CALIFORNIA

DRAWN BY C. SOMERS
PROJECT ENGR J. HYMAN
APPROVED C. SMITH

DATE AUGUST 2015
PROJECT 60424498
USE DIMENSIONS ONLY
SCALE AS SHOWN

3003C28

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

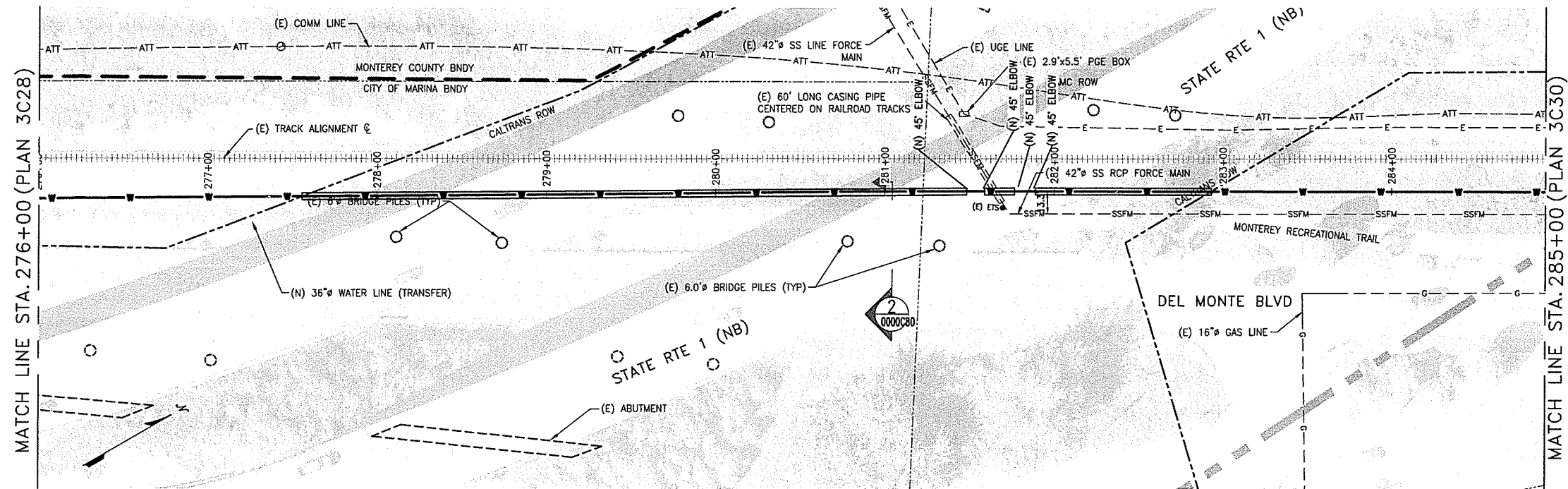
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PROFILE
HORIZ 1"=40', VERT 1"=10'

PLAN
1"=40'

NOTES:
1.

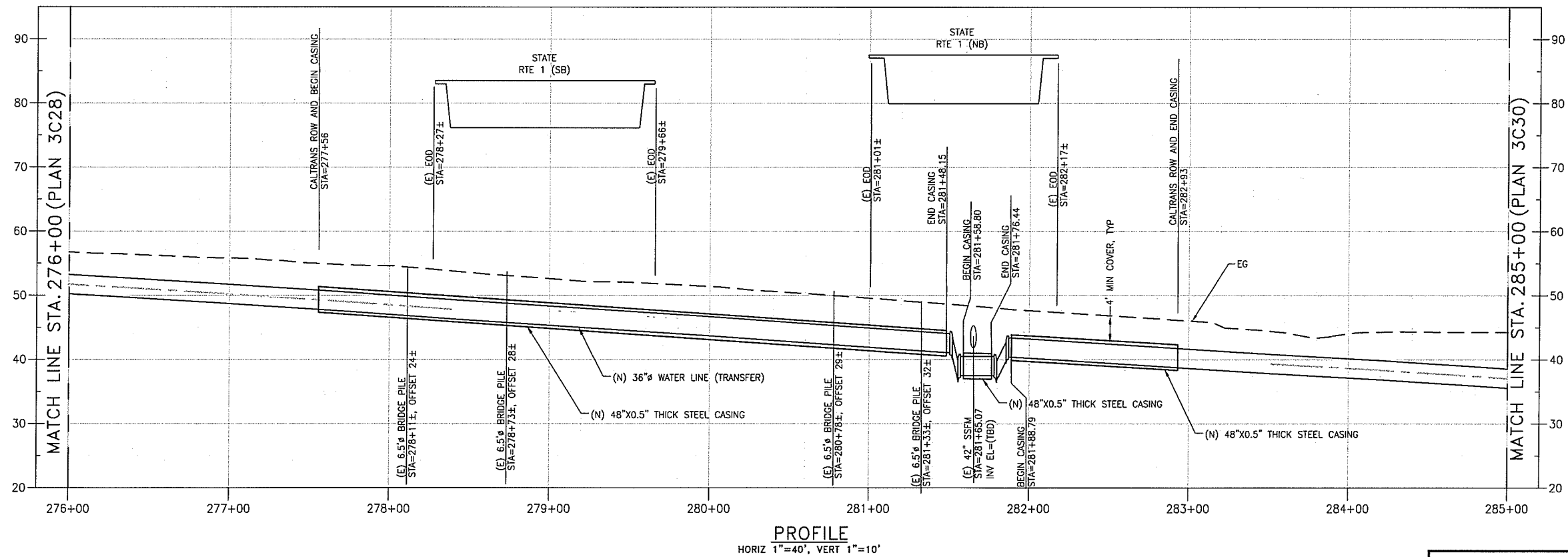
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NOTES:

1. ENTER CALTRANS ROW IN ACCORDANCE WITH PERMIT CONDITIONS.
2. SEE DETAIL 2 SHEET 0000C80 FOR CLEARANCES FROM CALTRANS OVERCROSSING.
3. MAINTAIN MINIMUM 10 FEET SEPARATION FROM (E) SSFM.
4. CONCRETE ENCASEMENT SHALL BE PER CALTRANS STANDARD SPECIFICATIONS.

PLAN
1"=40'



PROFILE
HORIZ 1"=40', VERT 1"=10'

0 10 20 30
VERT 1" = 10'

0 40 80 120
HORIZ 1" = 40'

REVISIONS

TRANSMISSION MAINS FOR MPWSP CIVIL TRANSFER PIPELINE PLAN AND PROFILE STA 276+00 TO STA 285+00

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM
CALIFORNIA
AMERICAN WATER

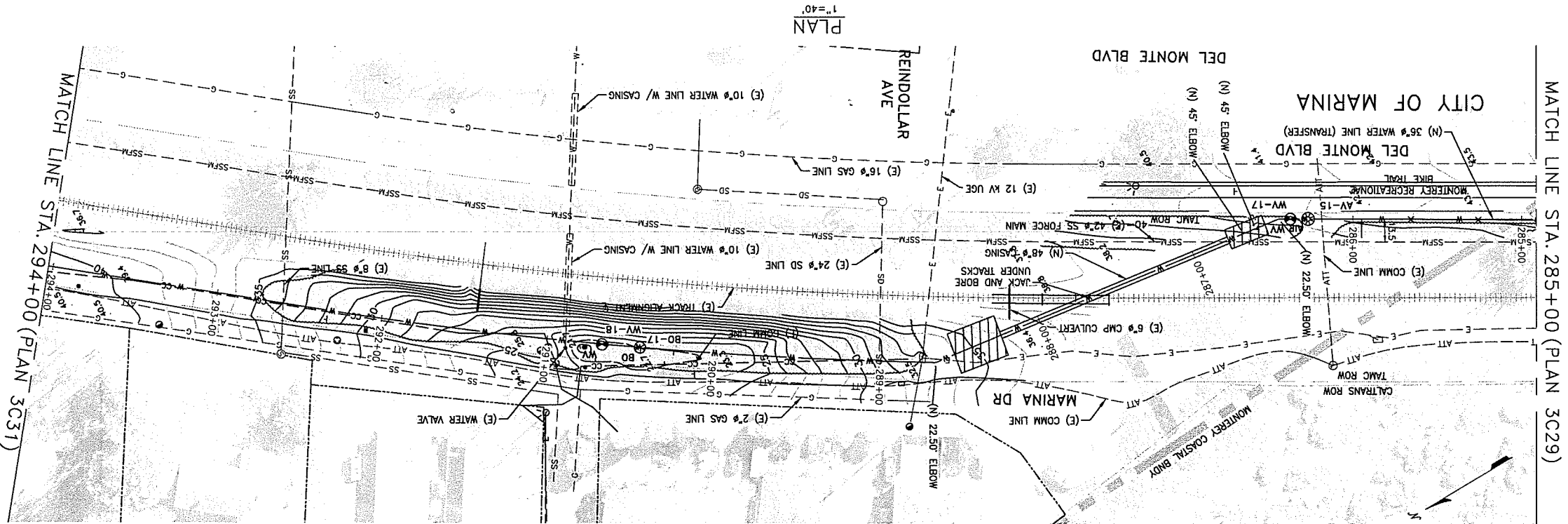
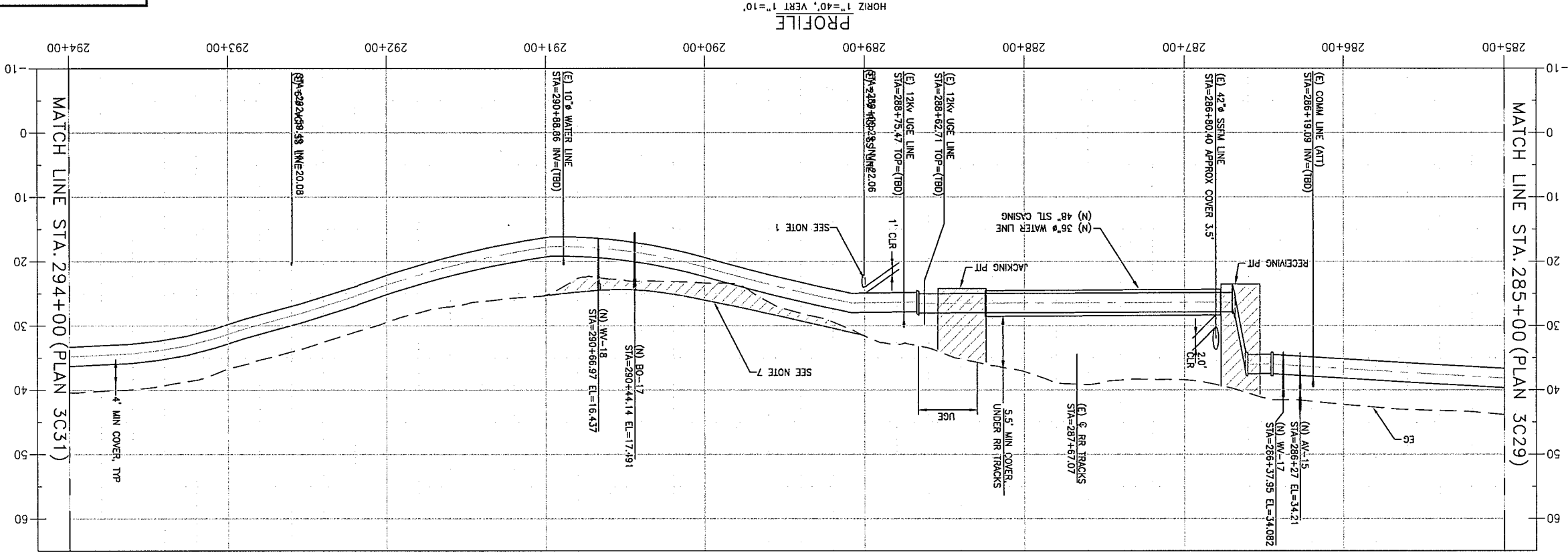
DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

DATE JANUARY 2016
PROJECT 60424498

USE DIMENSIONS ONLY
SCALE AS SHOWN

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C29



- NOTES:
1. INSTALL (N) WATER PIPE OVER SS LINE. INSTALL CONCRETE CAP IF COVER IS LESS THAN 3 FEET OVER (N) PIPE.
 2. CONTRACTOR IS PROHIBITED FROM ENTERING CALTRANS LANDS.
 3. CONTRACTOR IS PROHIBITED FROM ENTERING BIKE PATH, CALTRANS AND STATE PARK LANDS.
 4. CONTRACTOR TO PROTECT AND SECURE WORK SO AS NOT TO IMPACT USERS OF BIKE PATH.
 4. SEE JACK AND BORE DETAILS ON SHEETS 0000C60 AND 0000C61
 5. SECURE TEMPORARY PERMIT FOR CONSTRUCTION EASEMENT WITH CITY OF MARINA FOR WORK IN PUBLIC ROW.
 6. IF BIKE PATH IS BLOCKED, SUBMIT BIKE/PEDESTRIAN TRAFFIC CONTROL PLAN TO CITY FOR APPROVAL.
 7. ADD UP TO 2 FEET NATIVE FILL IN THIS AREA TO FILL IN DEPRESSION.



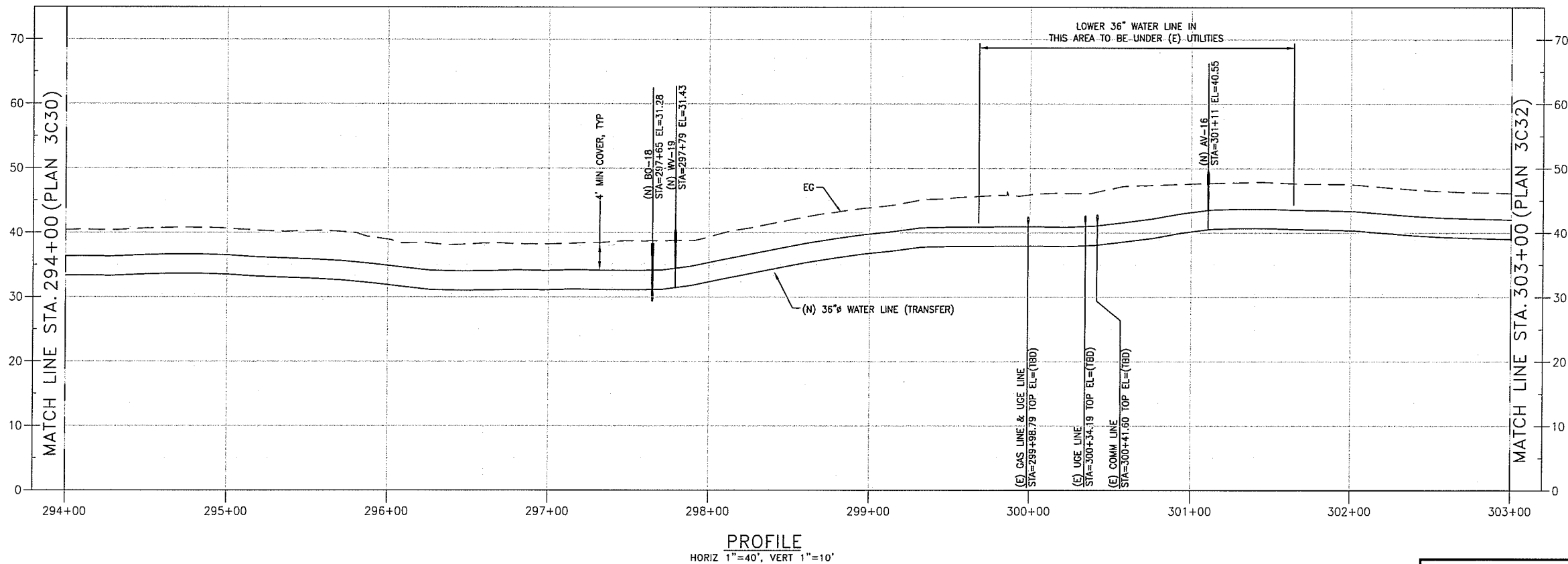
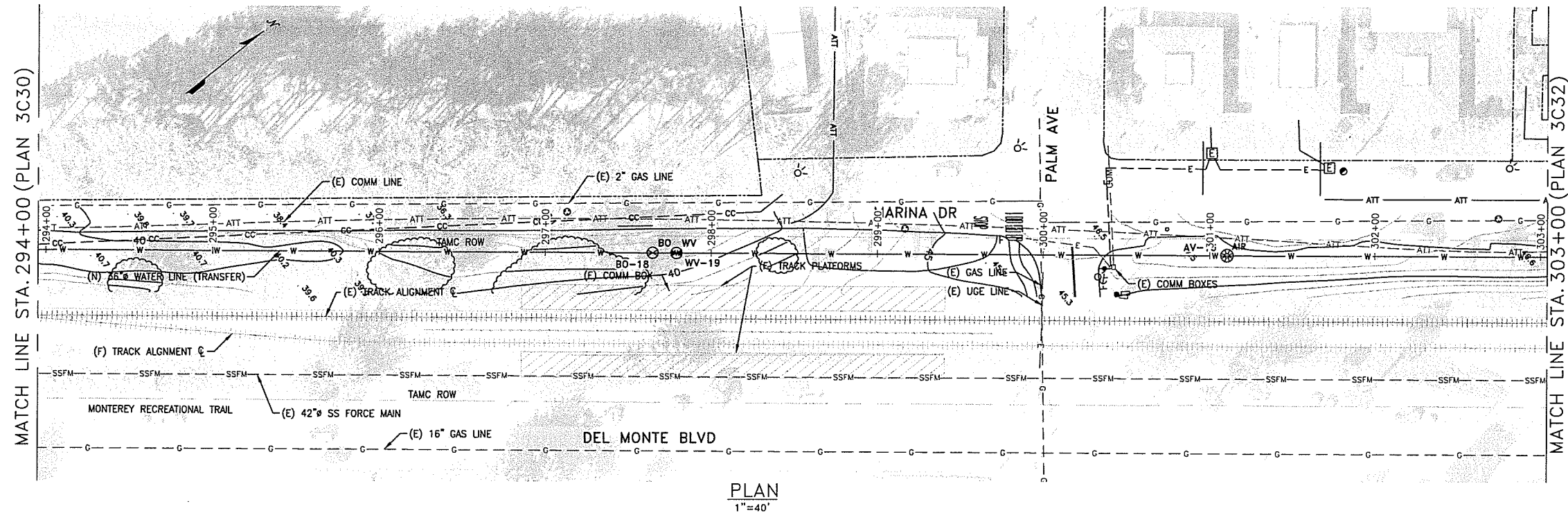
TRANSMISSION MAINS FOR MPWSP
CIVIL
PLAN AND PROFILE STA 285+00 TO STA 294+00

REVISIONS

3003C30	USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES
AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612 DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN DATE JANUARY 2016 USE DIMENSIONS ONLY SCALE AS SHOWN	

AECOM
CALIFORNIA
AMERICAN WATER

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NOTES:

1.

0 10 20 30
VERT 1" = 10'

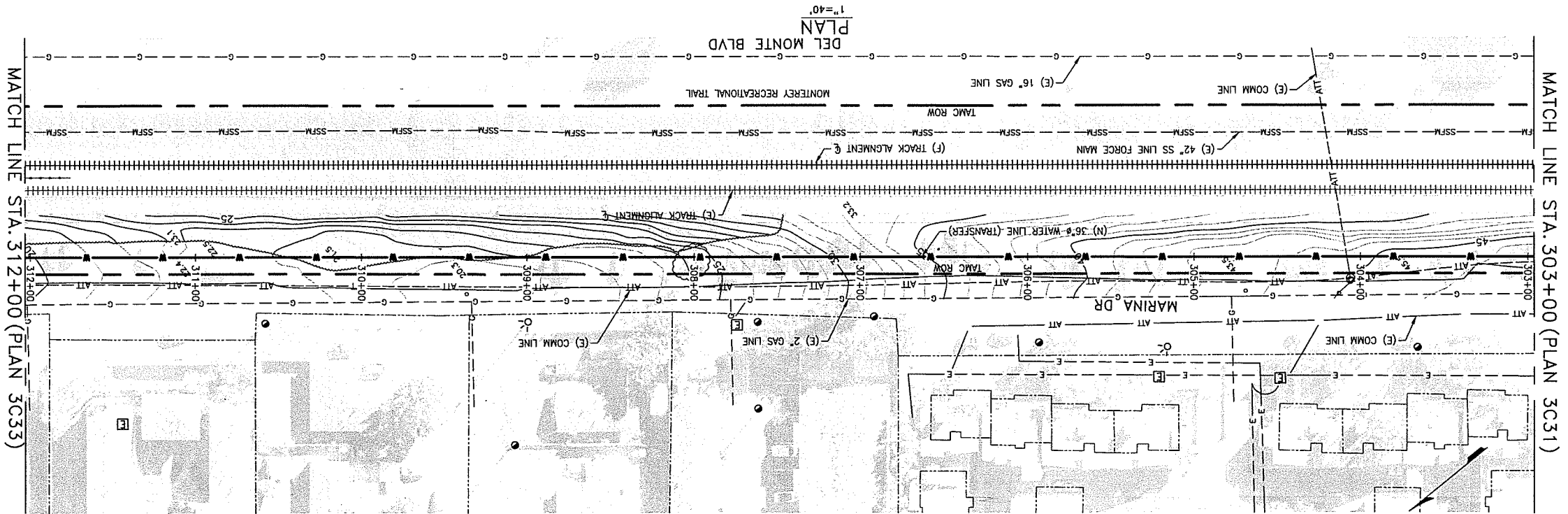
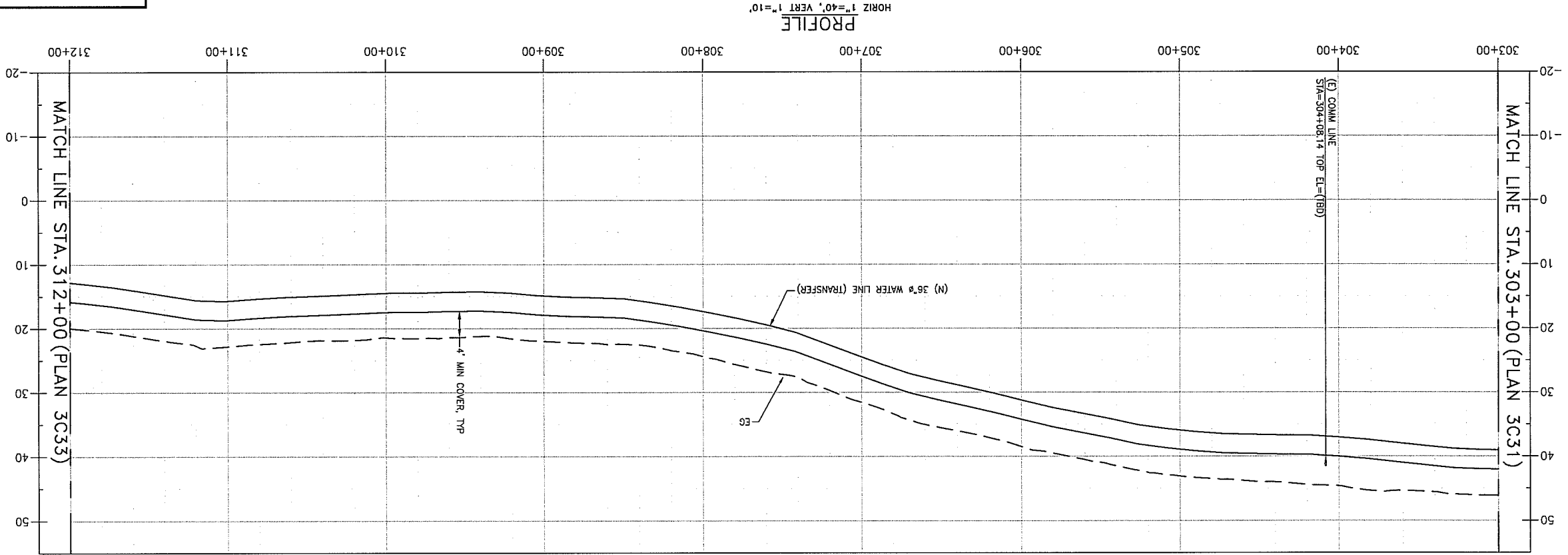
0 40 80 120
HORIZ 1" = 40'



REVISIONS

TRANSMISSION MAINS FOR MPWSP CIVIL TRANSFER PIPELINE PLAN AND PROFILE STA 294+00 TO STA 303+00	
CALIFORNIA AMERICAN WATER	
AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612	AECOM CALIFORNIA AMERICAN WATER
DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN APPROVED C. SMITH	DATE JUNE 2015 PROJECT XXX USE DIMENSIONS ONLY SCALE AS SHOWN
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	3003C31

10003003C31 rev



NOTES:



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 303+00 TO STA 312+00

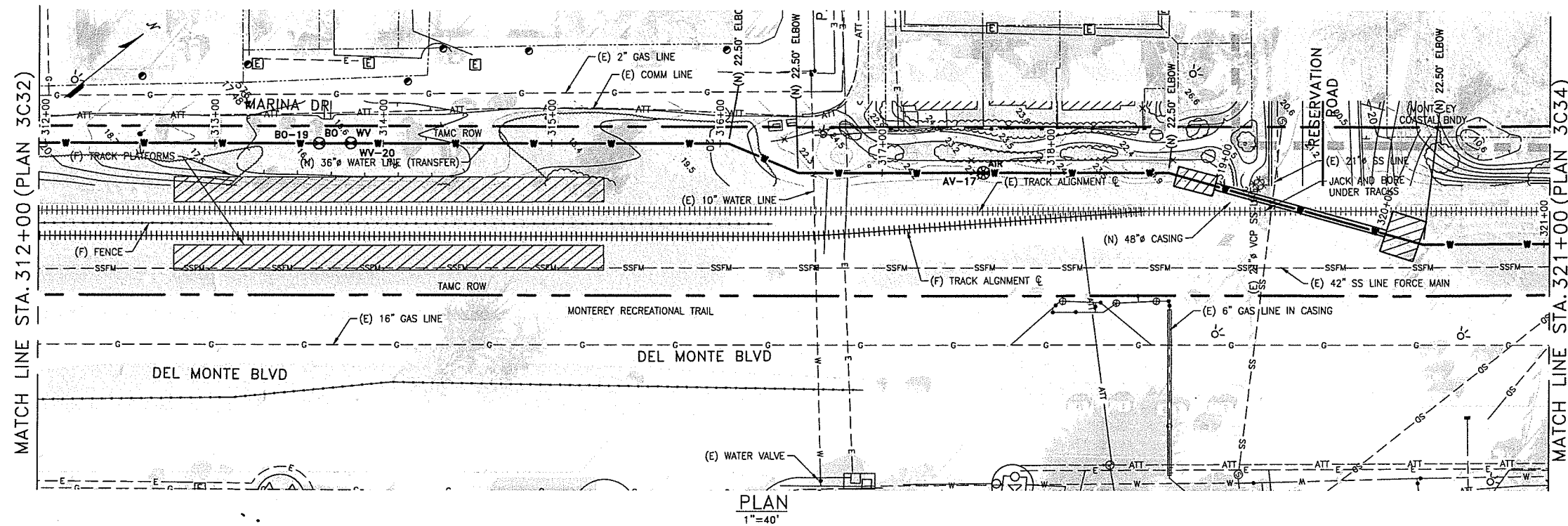
CALIFORNIA
AMERICAN WATER



AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612
DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH
DATE JANUARY 2016
PROJECT 60424498
SCALE AS SHOWN
USE DIMENSIONS ONLY
FOR CONSTRUCTION PURPOSES ONLY

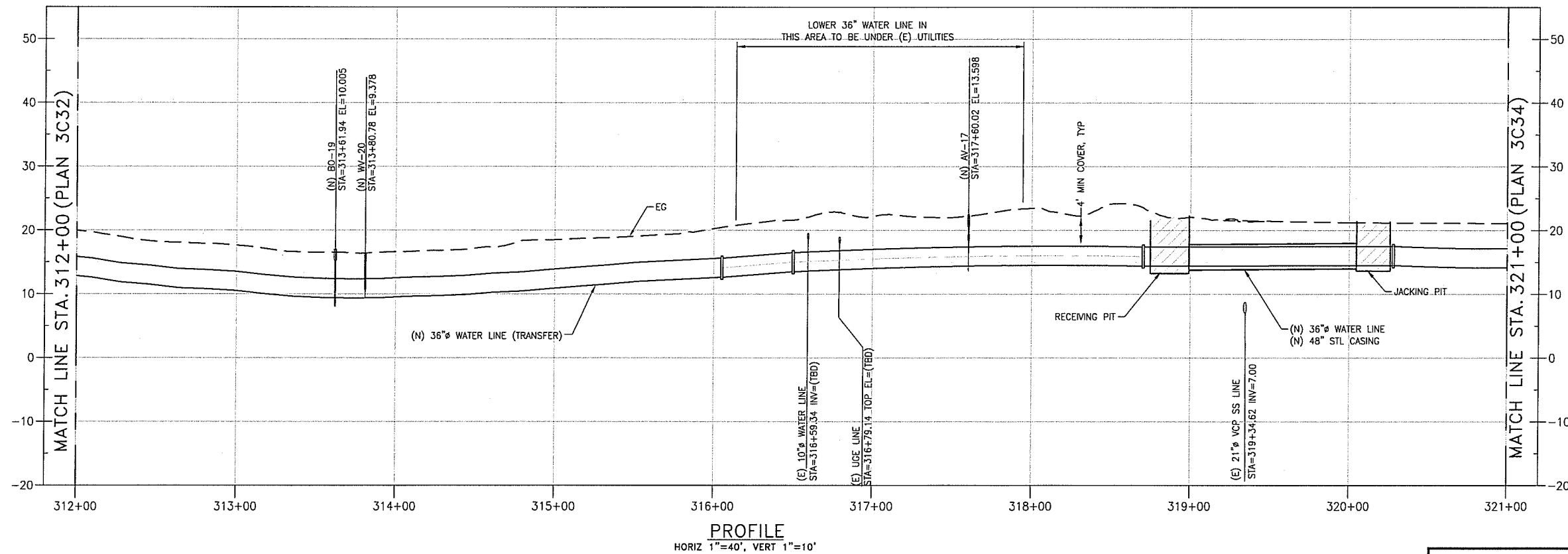
3003C32

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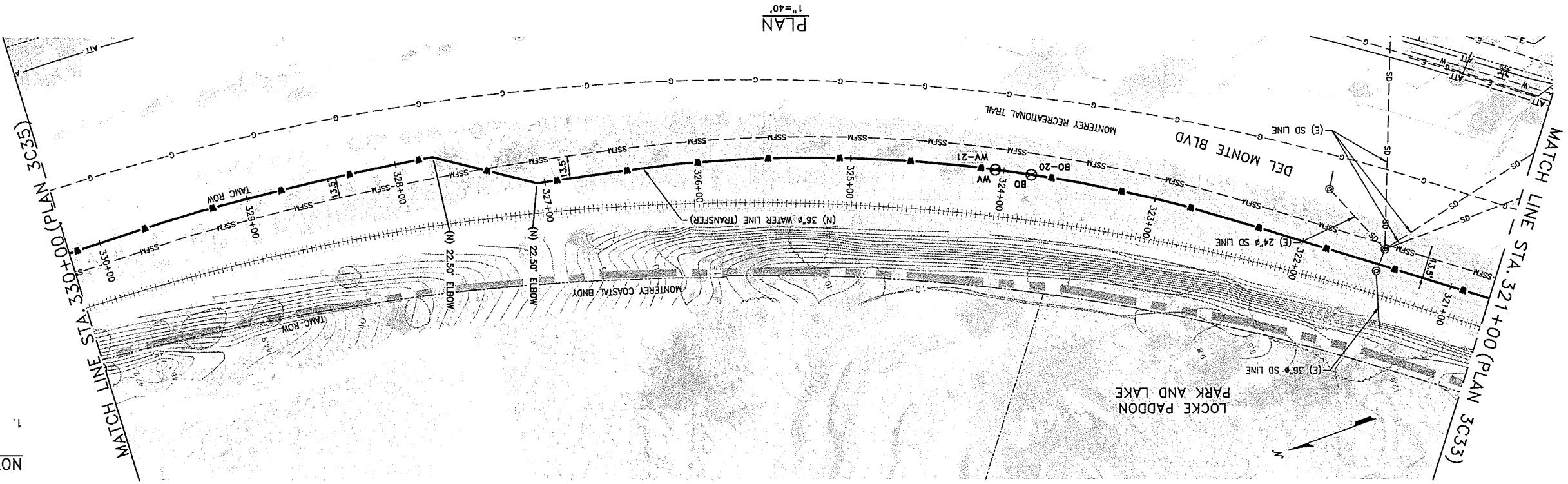
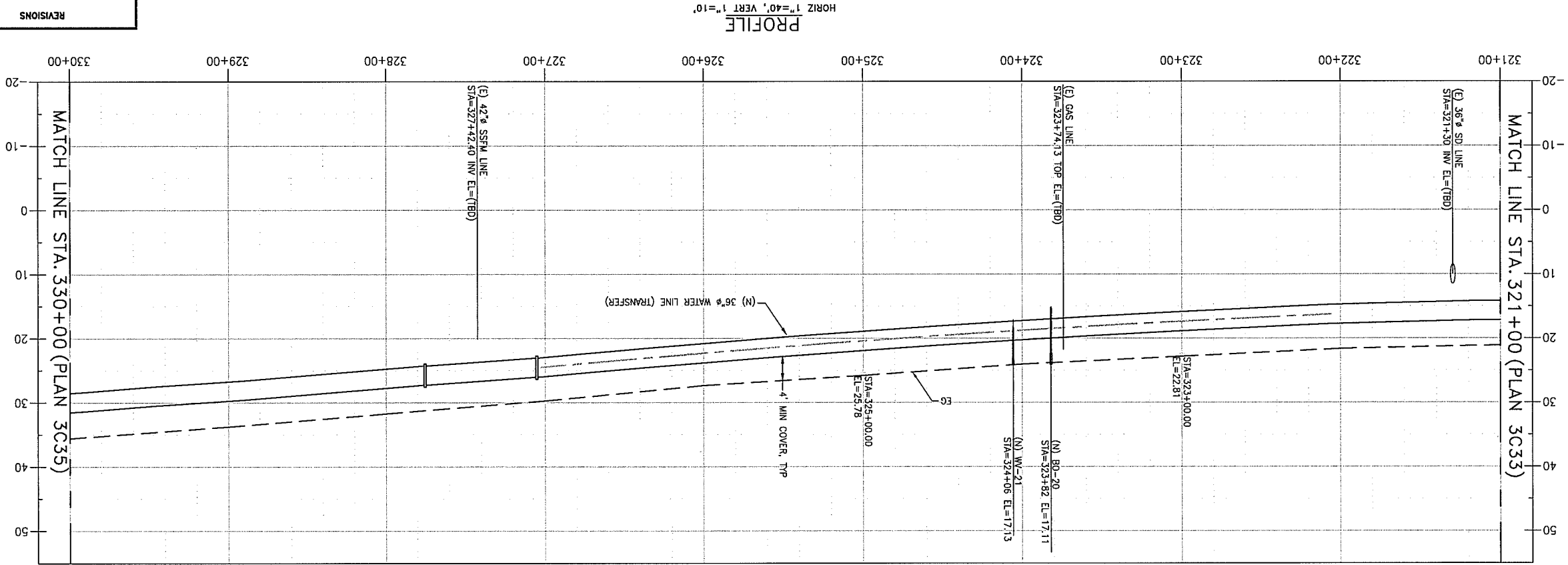
NOTES:

1. COMPLY WITH SPECIAL ENVIRONMENTAL REQUIREMENTS WHEN WORKING ADJACENT TO LOCH PADDON PARK. SEE SPEC 81062.



REVISIONS

TRANSMISSION MAINS FOR MPWSP CIVIL TRANSFER PIPELINE PLAN AND PROFILE STA 312+00 TO STA 321+00	
CALIFORNIA AMERICAN WATER	
AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612	AECOM CALIFORNIA AMERICAN WATER
DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN APPROVED C. SMITH	DATE JANUARY 2016 PROJECT 60424498 USE DIMENSIONS ONLY SCALE AS SHOWN
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	3003C33



NOTES:
1. COMPLY WITH SPECIAL ENVIRONMENTAL REQUIREMENTS WHEN WORKING ADJACENT TO LOCH PADDOCK PARK. SEE SPEC 81062.

TRANSMISSION MAINS FOR MPWP
CIVIL
PLAN AND PROFILE STA 321+00 TO STA 330+00

REVISIONS

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C34

1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

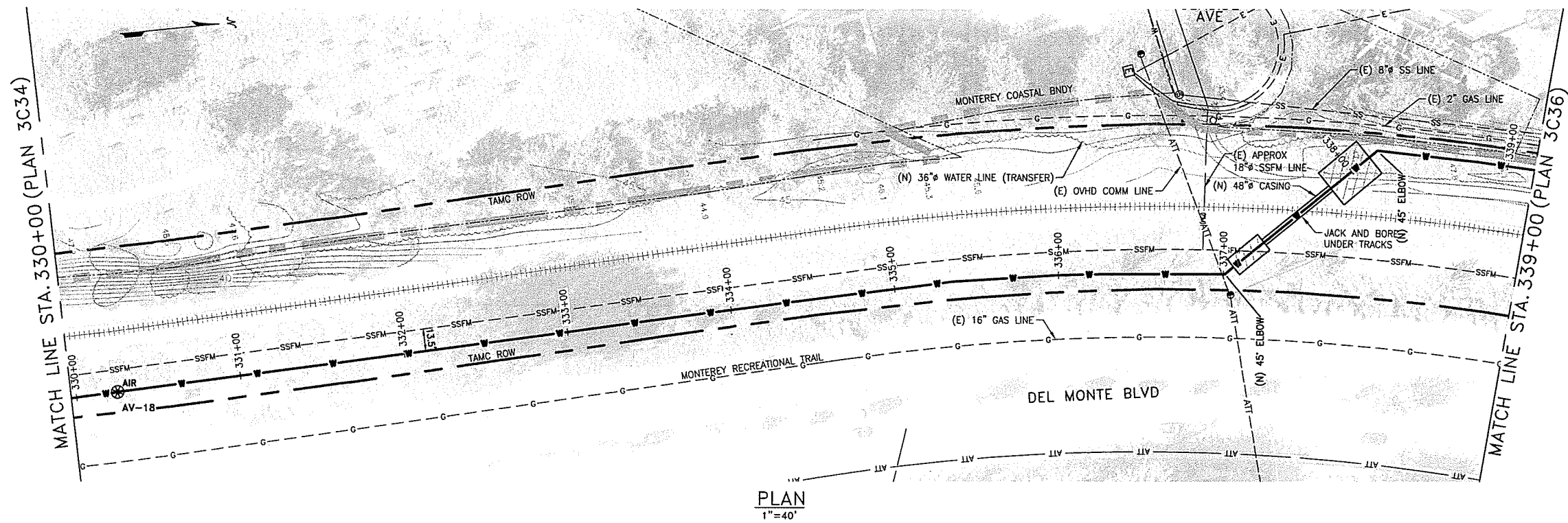
DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

DATE JANUARY 2016
PROJECT 60424498
SCALE AS SHOWN

AMERICAN WATER
CALIFORNIA

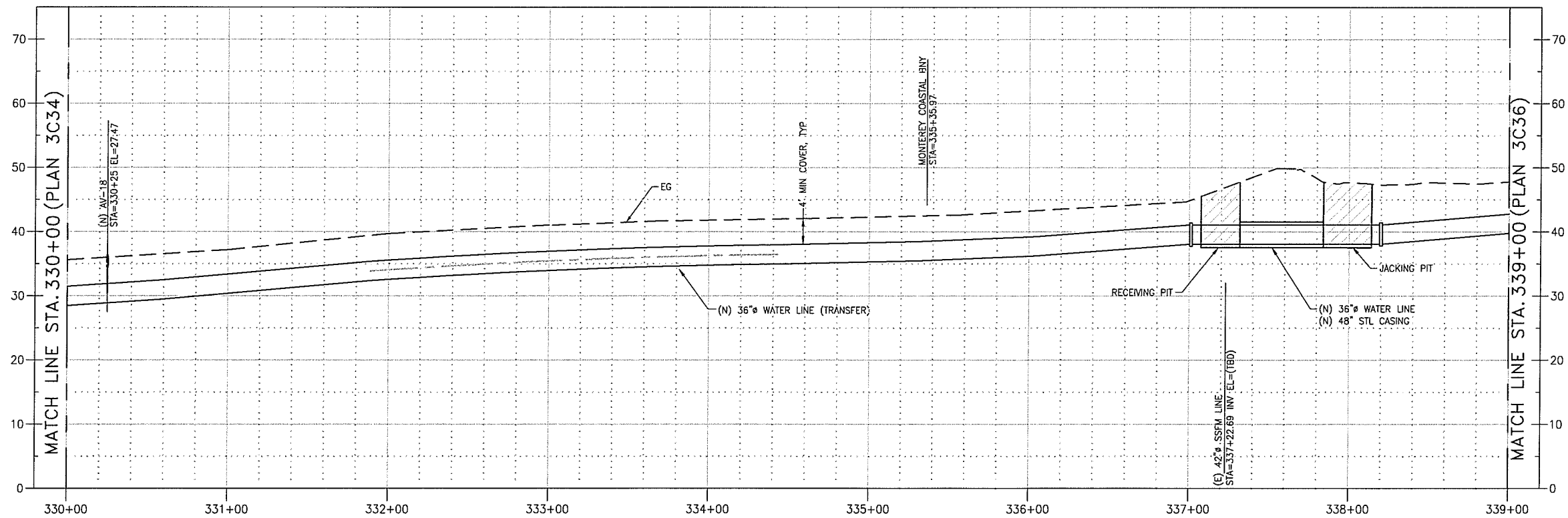
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NOTES:

1.



PROFILE
HORIZ 1"=40', VERT 1"=10'

0 10 20 30
VERT 1" = 10'

0 40 80 120
HORIZ 1" = 40'

REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 330+00 TO STA 339+00

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

CALIFORNIA
AMERICAN WATER

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

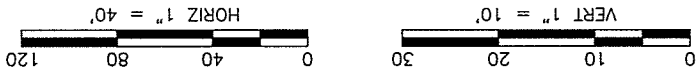
DATE JANUARY 2016
PROJECT 60424498

USE DIMENSIONS ONLY
SCALE AS SHOWN

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C35

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REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 339+00 TO STA 348+00

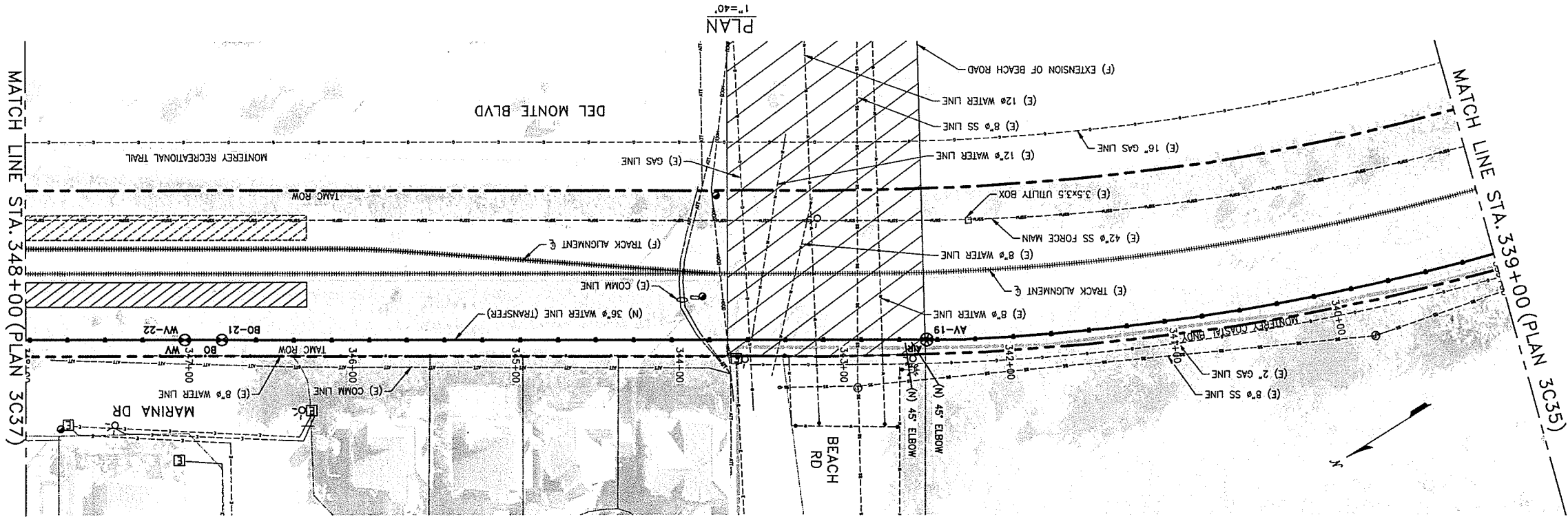
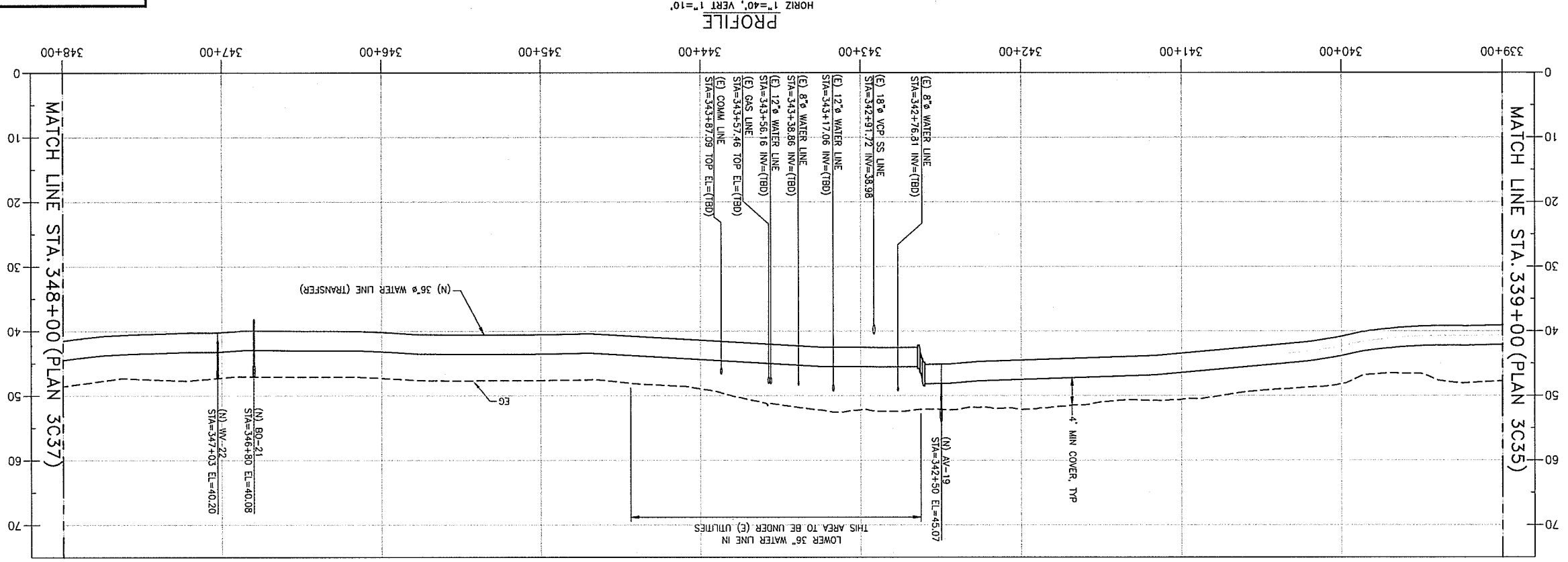
AECOM

AECON
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

DATE AUGUST 2015
PROJECT 60424498
USE DIMENSIONS ONLY
SCALE AS SHOWN
AMERICAN WATER
CALIFORNIA

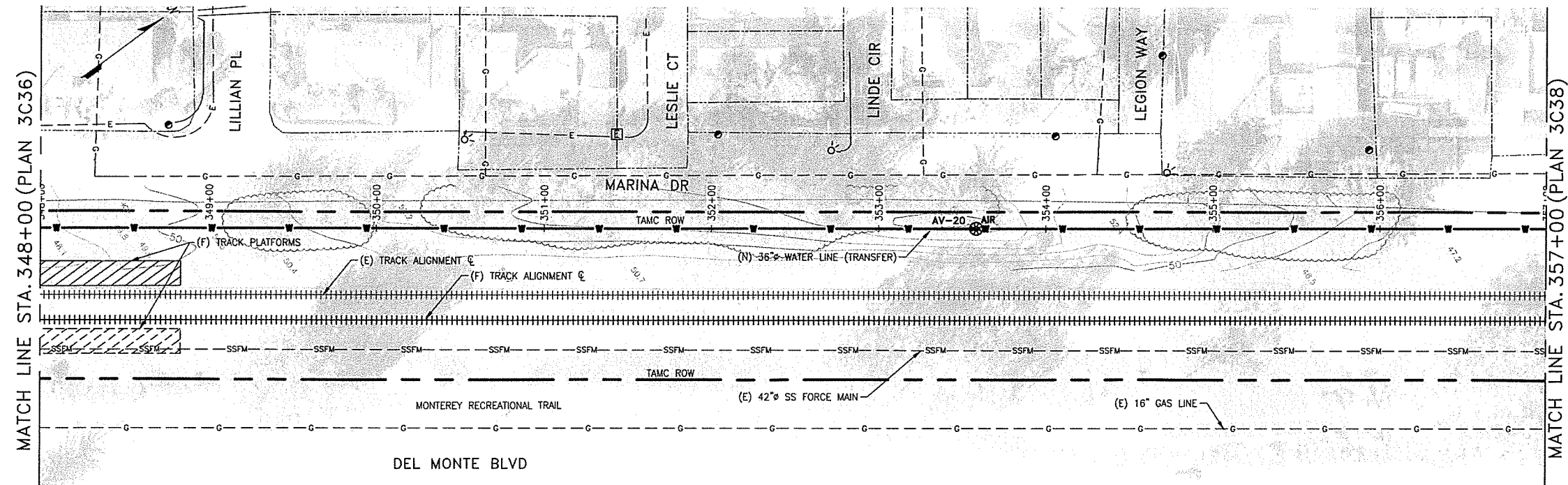
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FOR CONSTRUCTION PURPOSES



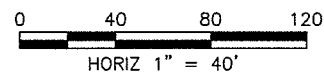
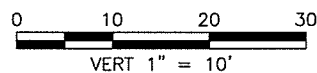
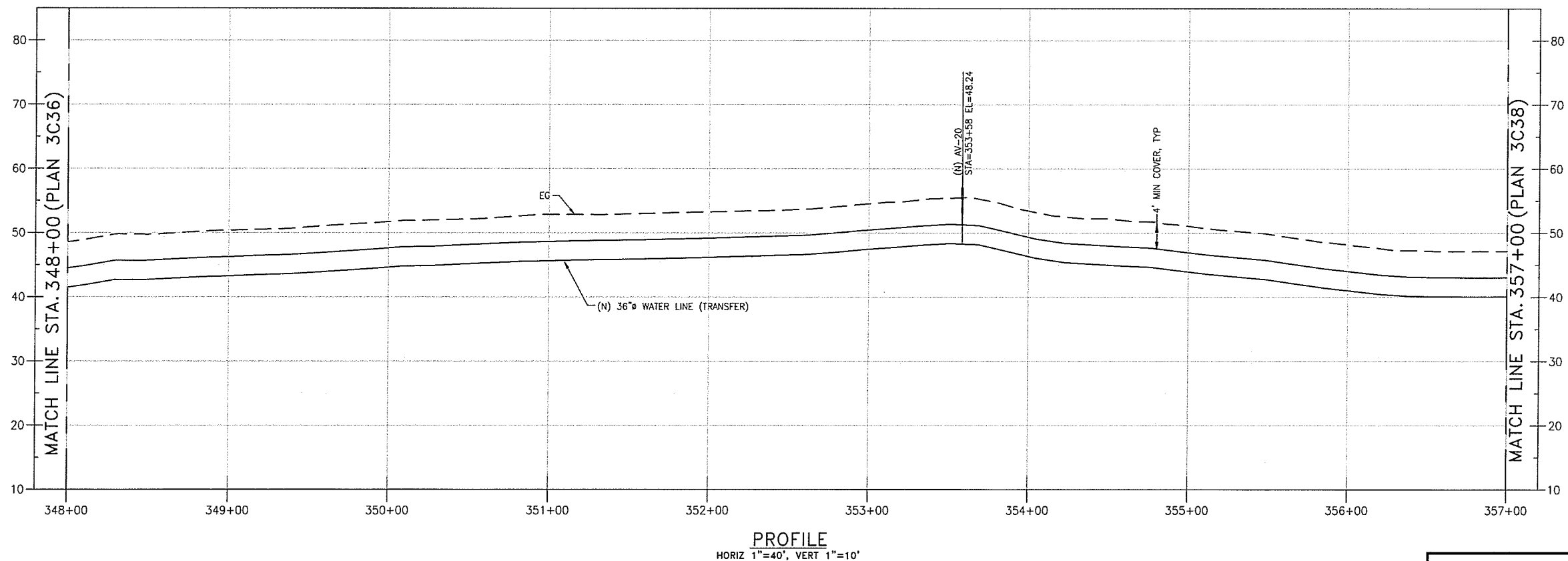
NOTES:

\\CAL-AM-MPWSP\Sheets\10003003C37.dwg cristina somera Aug 06, 2015 3:00pm



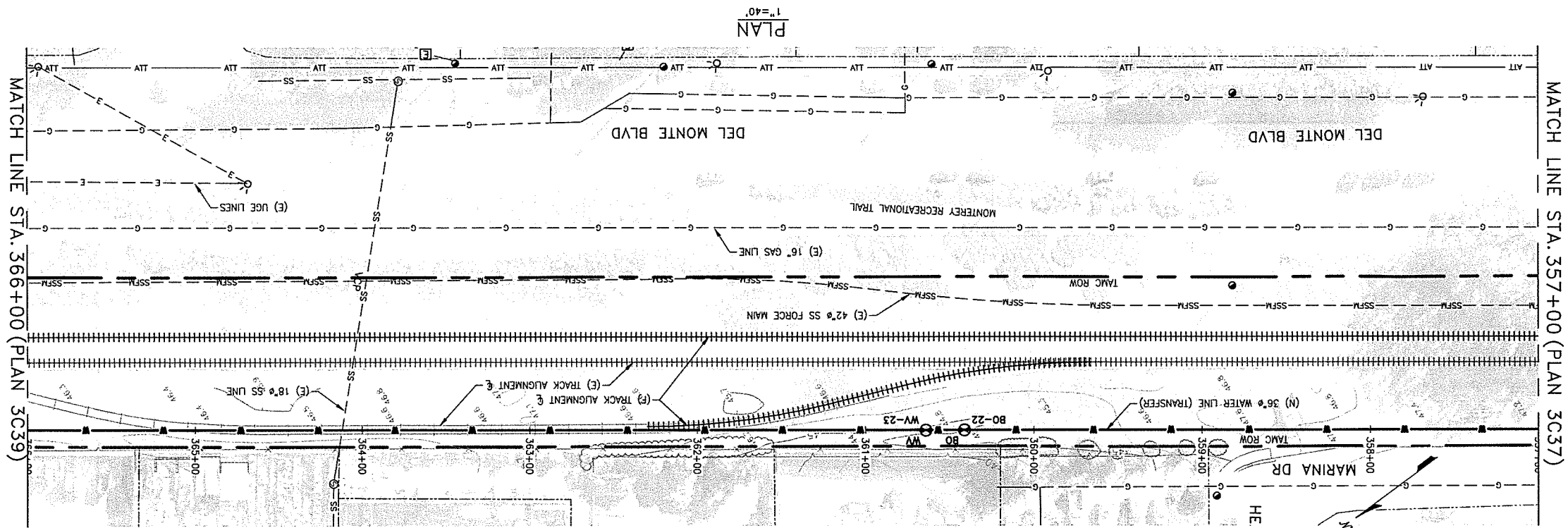
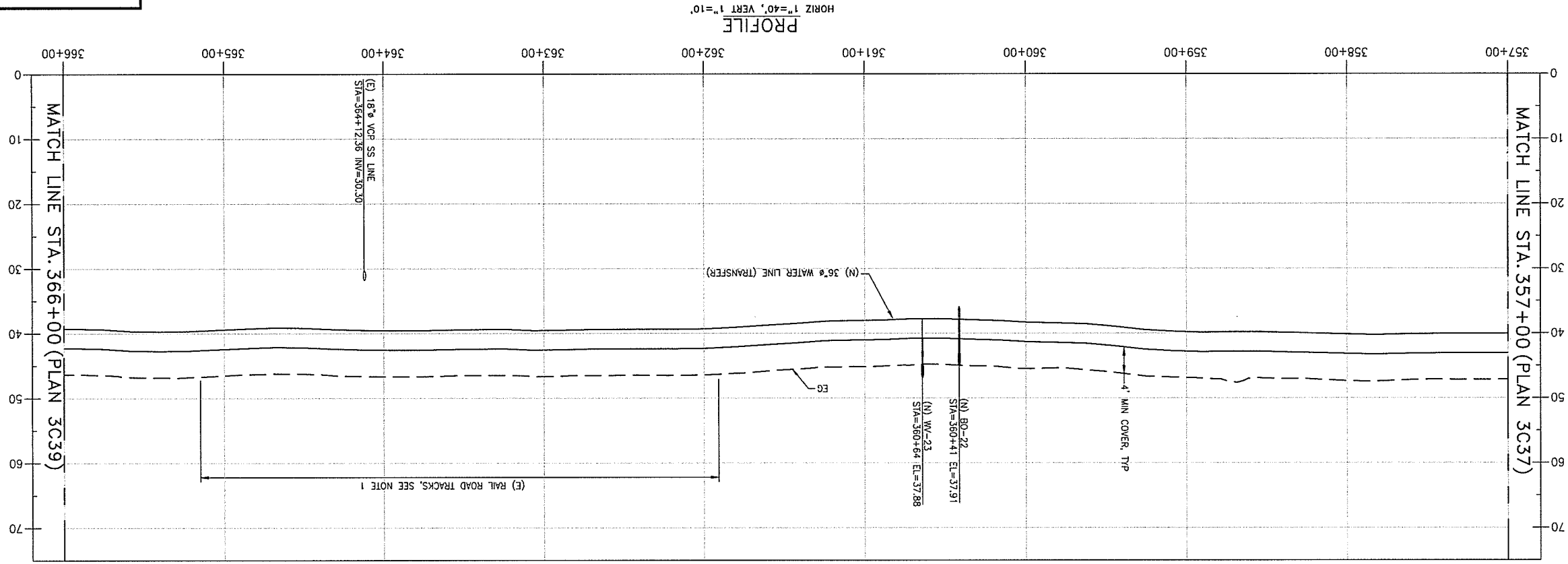
NOTES:

1.



REVISIONS

TRANSMISSION MAINS FOR MPWSP CIVIL TRANSFER PIPELINE PLAN AND PROFILE STA 348+00 TO STA 357+00	
CALIFORNIA AMERICAN WATER	
AECOM 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612	AECOM CALIFORNIA AMERICAN WATER
DRAWN BY C. SOMERA PROJECT ENG'R J. HYMAN APPROVED C. SMITH	DATE AUGUST 2015 PROJECT 60424498 USE DIMENSIONS ONLY SCALE AS SHOWN
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	
3003C37	



NOTES:

1. REMOVE AND DISPOSE OF RR TRACKS AS NECESSARY TO INSTALL (N) WATER LINE IN THIS AREA.

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 357+00 TO STA 366+00

CALIFORNIA
AMERICAN WATER

AMERICAN WATER
CALIFORNIA

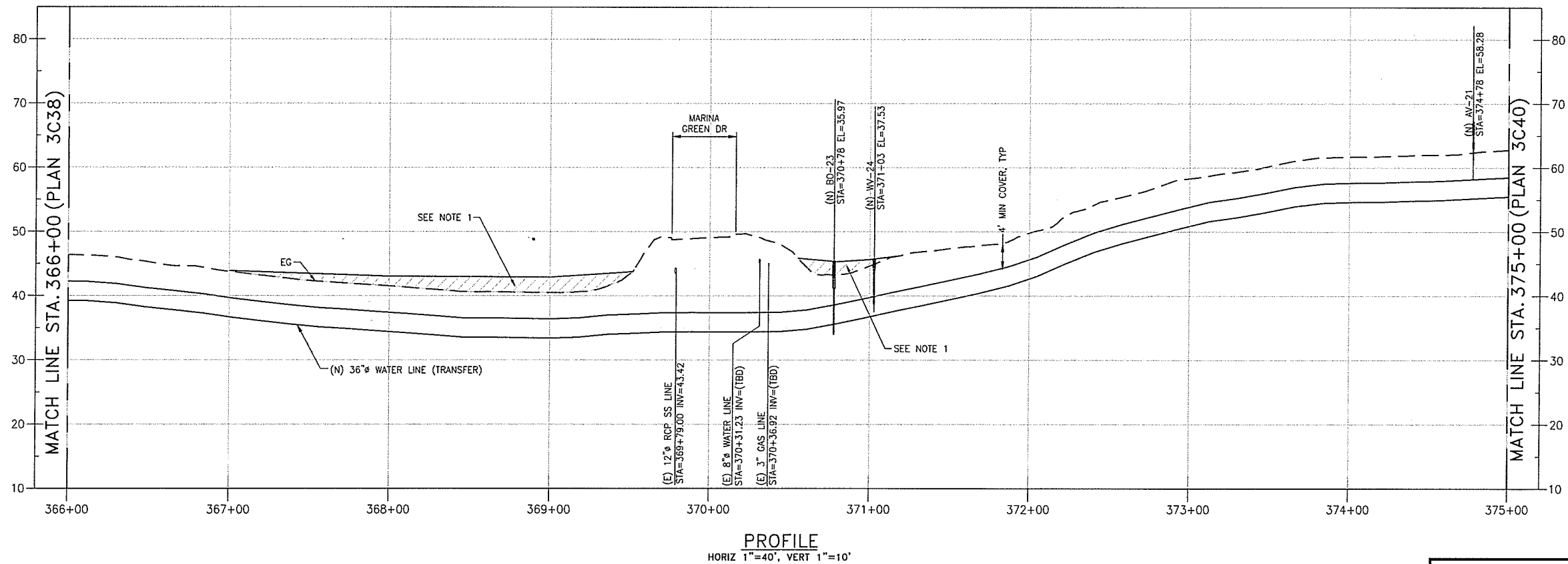
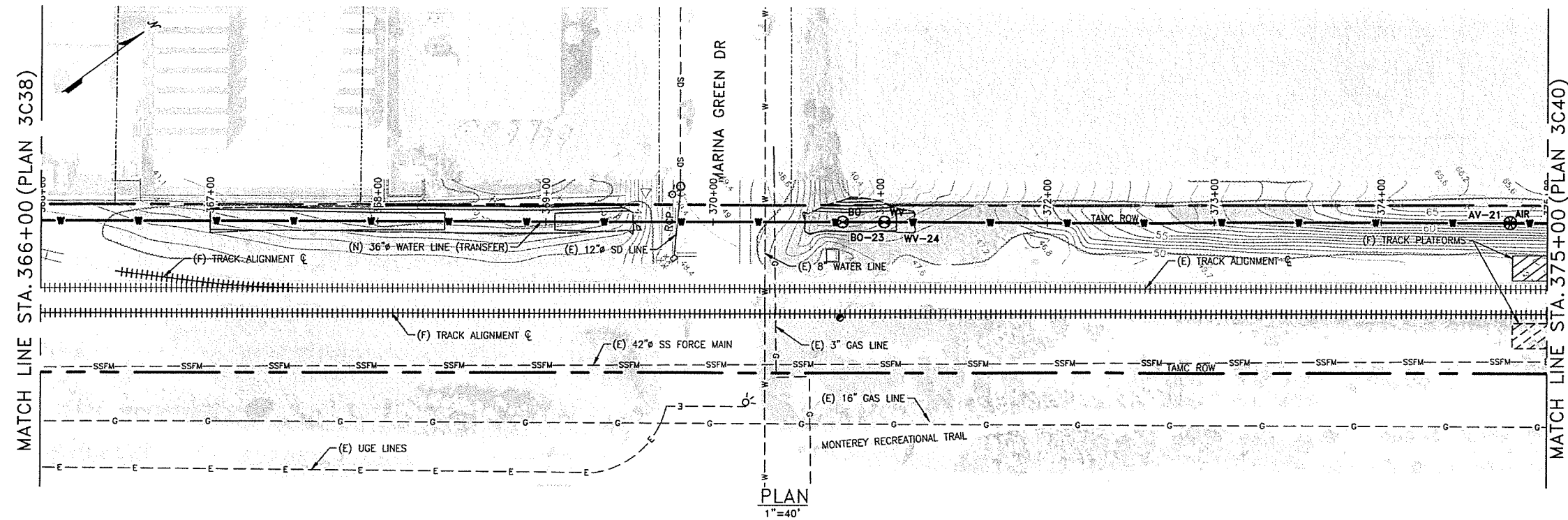
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612
DRAWN BY C. SOMERA
PROJECT ENGR. J. HYMAN
APPROVED C. SMITH

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C38

10003003C38

J:\CAL-Am-MPWSP\Sheet\10003003C39.dwg christine_somera Aug 06, 2015 - 3:04pm



NOTES:

1. ADD UP TO 2 FT. NATIVE FILL IN THIS AREA TO RAISE GRADE.

0 10 20 30
VERT 1" = 10'

0 40 80 120
HORIZ 1" = 40'



REVISIONS

TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 366+00 TO STA 375+00

CALIFORNIA
AMERICAN WATER

AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CALIFORNIA 94612

AECOM

CALIFORNIA
AMERICAN WATER

DRAWN BY C. SOMERA
PROJECT ENG'R J. HYMAN
APPROVED C. SMITH

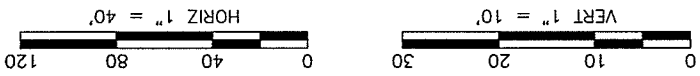
DATE AUGUST 2015
PROJECT 60424498

USE DIMENSIONS ONLY
SCALE AS SHOWN

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C39

10003003C39



TRANSMISSION MAINS FOR MPWSP
CIVIL
TRANSFER PIPELINE
PLAN AND PROFILE STA 375+00 TO STA 384+00

REVISIONS

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C40

10003003C40

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USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C40

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USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

3003C40

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10003003C40

NOTES: