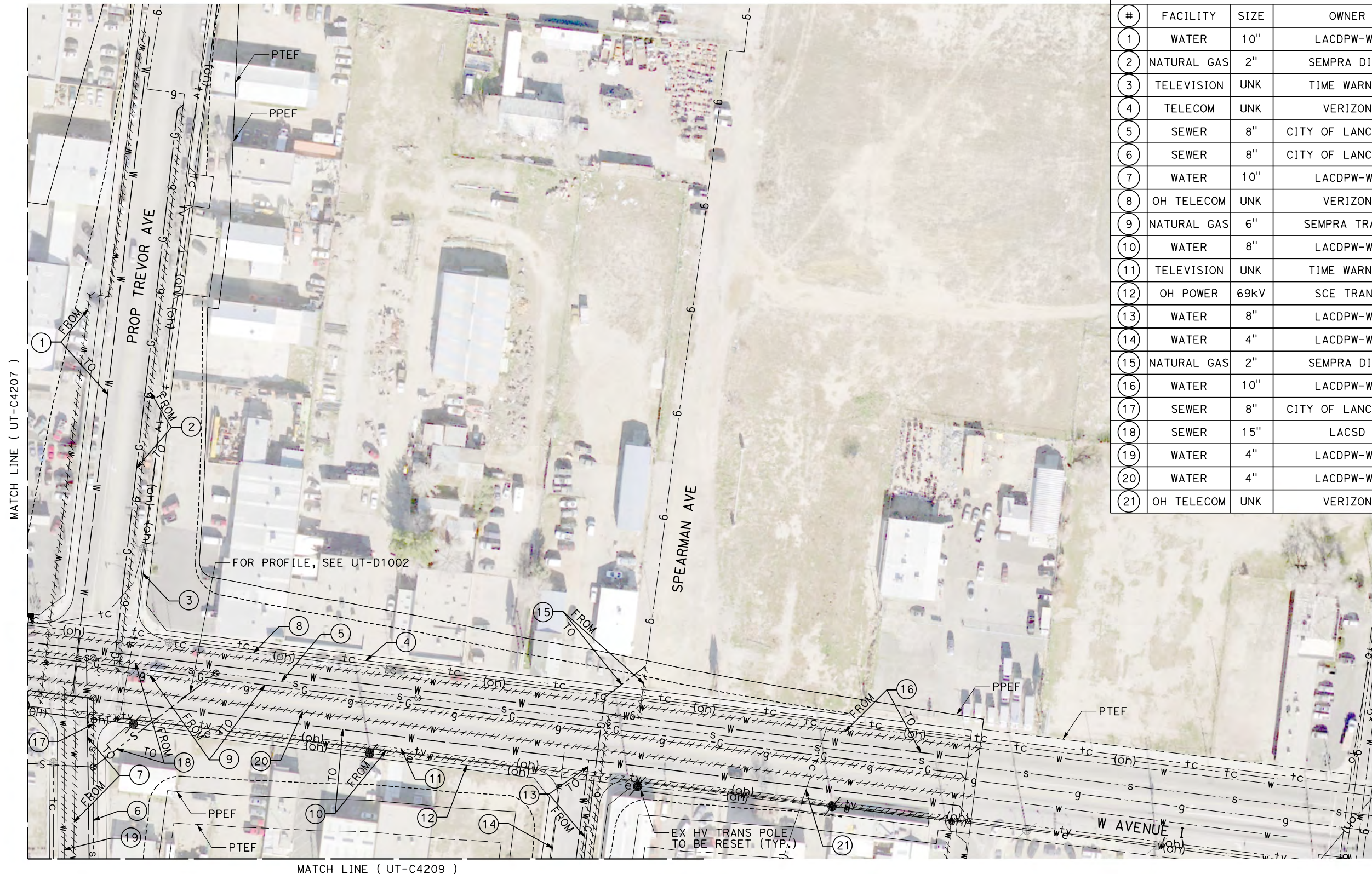
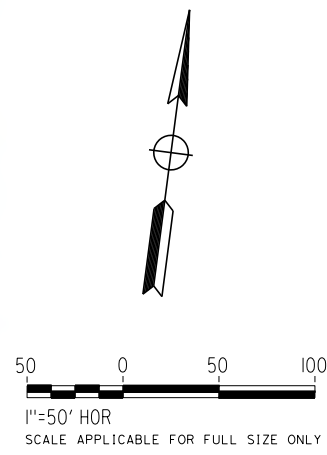


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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	10"	LACDPW-WW	RELOCATE
2	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
3	TELEVISION	UNK	TIME WARNER	RELOCATE
4	TELECOM	UNK	VERIZON	RELOCATE
5	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
6	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
7	WATER	10"	LACDPW-WW	RELOCATE
8	OH TELECOM	UNK	VERIZON	RELOCATE
9	NATURAL GAS	6"	SEMPRA TRANS	RELOCATE
10	WATER	8"	LACDPW-WW	RELOCATE
11	TELEVISION	UNK	TIME WARNER	RELOCATE
12	OH POWER	69KV	SCE TRANS	RELOCATE
13	WATER	8"	LACDPW-WW	RELOCATE
14	WATER	4"	LACDPW-WW	REMOVE
15	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
16	WATER	10"	LACDPW-WW	RELOCATE
17	SEWER	8"	CITY OF LANCASTER	REMOVE
18	SEWER	15"	LACSD	RELOCATE
19	WATER	4"	LACDPW-WW	REMOVE
20	WATER	4"	LACDPW-WW	REMOVE
21	OH TELECOM	UNK	VERIZON	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 20910+00 TO 20935+00

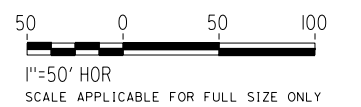
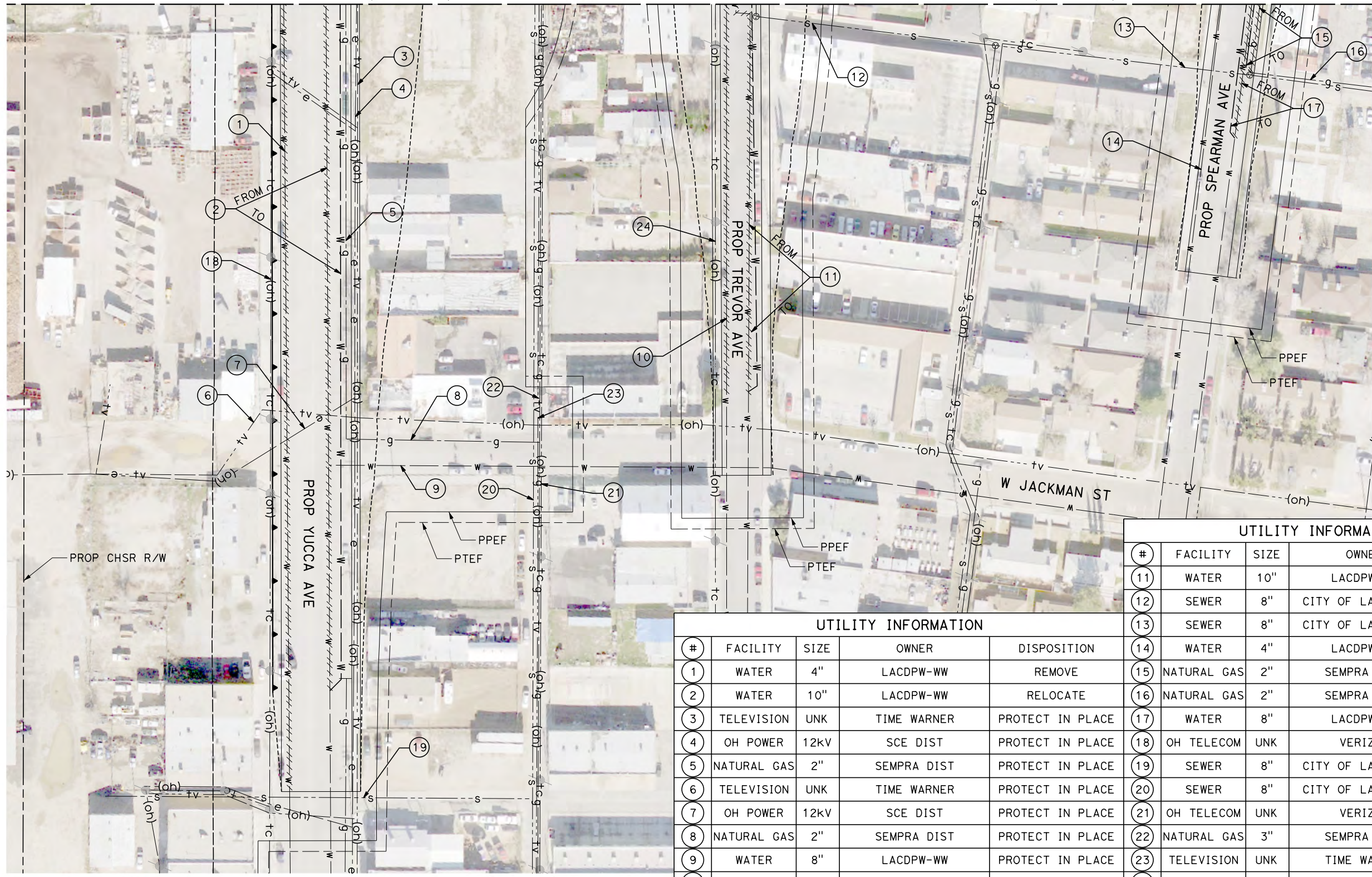
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4208
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\1\BP-UT-C4209.dgn

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MATCH LINE (UT-C4207)

MATCH LINE (UT-C4208)



UTILITY INFORMATION					UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	4"	LACDPW-WW	REMOVE	11	WATER	10"	LACDPW-WW	RELOCATE
2	WATER	10"	LACDPW-WW	RELOCATE	12	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
3	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE	13	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
4	OH POWER	12KV	SCE DIST	PROTECT IN PLACE	14	WATER	4"	LACDPW-WW	REMOVE
5	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE	15	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
6	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE	16	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
7	OH POWER	12KV	SCE DIST	PROTECT IN PLACE	17	WATER	8"	LACDPW-WW	RELOCATE
8	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE	18	OH TELECOM	UNK	VERIZON	RELOCATE
9	WATER	8"	LACDPW-WW	PROTECT IN PLACE	19	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
10	WATER	4"	LACDPW-WW	REMOVE	20	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
					21	OH TELECOM	UNK	VERIZON	PROTECT IN PLACE
					22	NATURAL GAS	3"	SEMPRA DIST	PROTECT IN PLACE
					23	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
					24	OH TELECOM	UNK	VERIZON	PROTECT IN PLACE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 20910+00 TO 20935+00

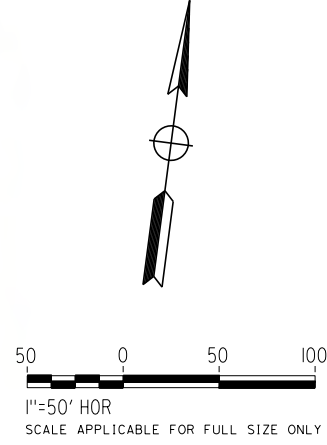
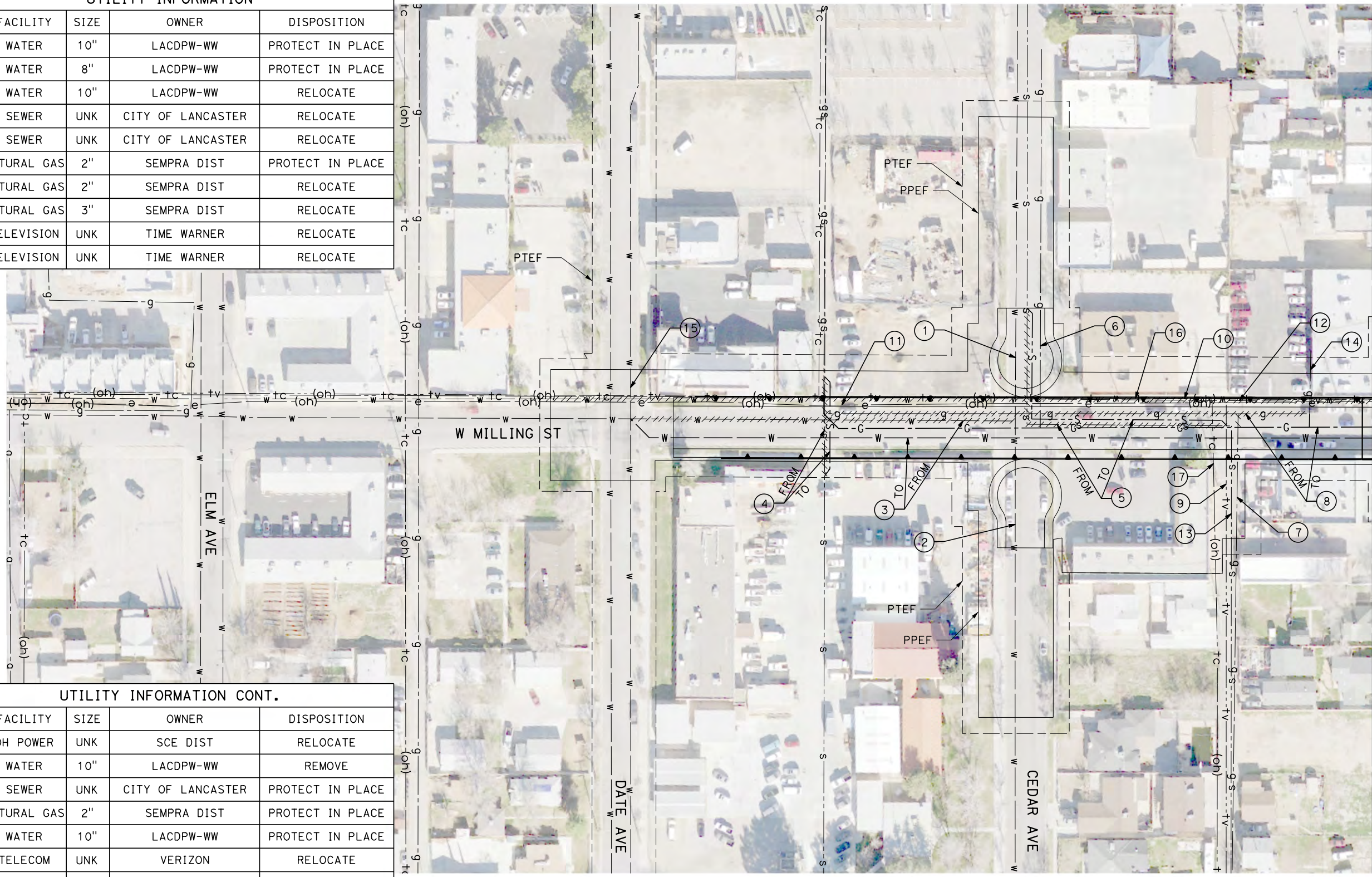
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HSR13-44
DRAWING NO.
UT-C4209
SCALE
AS SHOWN
SHEET NO.

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OIC:Adodge 11/7/2017 2:39:13 PM

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	10"	LACDPW-WW	PROTECT IN PLACE
2	WATER	8"	LACDPW-WW	PROTECT IN PLACE
3	WATER	10"	LACDPW-WW	RELOCATE
4	SEWER	UNK	CITY OF LANCASTER	RELOCATE
5	SEWER	UNK	CITY OF LANCASTER	RELOCATE
6	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
7	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
8	NATURAL GAS	3"	SEMPRA DIST	RELOCATE
9	TELEVISION	UNK	TIME WARNER	RELOCATE
10	TELEVISION	UNK	TIME WARNER	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
11	OH POWER	UNK	SCE DIST	RELOCATE
12	WATER	10"	LACDPW-WW	REMOVE
13	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
14	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
15	WATER	10"	LACDPW-WW	PROTECT IN PLACE
16	TELECOM	UNK	VERIZON	RELOCATE
17	OH TELECOM	UNK	VERIZON	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 20935+00 TO 20960+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4210

SCALE
AS SHOWN

SHEET NO.

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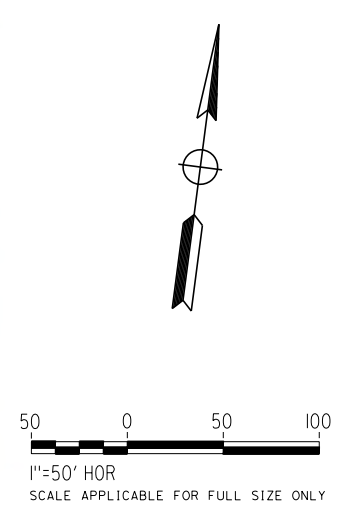
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#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
2	WATER	12"	LACDPW-WW	REMOVE
3	WATER	12"	LACDPW-WW	PROTECT IN PLACE
4	WATER	4"	LACDPW-WW	REMOVE
5	WATER	12"	LACDPW-WW	PROTECT IN PLACE
6	WATER	10"	LACDPW-WW	RELOCATE
7	WATER	8"	LACDPW-WW	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
8	WATER	8"	LACDPW-WW	PROTECT IN PLACE
9	WATER	6"	LACDPW-WW	PROTECT IN PLACE
10	NATURAL GAS	3"	SEMPRA DIST	RELOCATE
11	NATURAL GAS	3"	SEMPRA DIST	RELOCATE
12	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
13	TELEVISION	UNK	TIME WARNER	RELOCATE
14	TELEVISION	UNK	TIME WARNER	RELOCATE
15	OH POWER	UNK	SCE DIST	RELOCATE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
16	SEWER	8"	CITY OF LANCASTER	RELOCATE
17	SEWER	6"	CITY OF LANCASTER	PROTECT IN PLACE
18	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
19	WATER	8"	LACDPW-WW	PROTECT IN PLACE
20	WATER	6"	LACDPW-WW	PROTECT IN PLACE
21	TELECOM	UNK	VERIZON	RELOCATE
22	TELECOM	UNK	VERIZON	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
23	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
24	TELEVISION	UNK	TIME WARNER	RELOCATE
25	WATER	10"	LACDPW-WW	PROTECT IN PLACE
26	NATURAL GAS	3"	SEMPRA DIST	PROTECT IN PLACE
27	TELECOM	UNK	VERIZON	RELOCATE
28	WATER	10"	LACDPW-WW	PROTECT IN PLACE
29	OH TELECOM	UNK	VERIZON	RELOCATE
30	OH TELECOM	UNK	VERIZON	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
 DRAWN BY
H. TU
 CHECKED BY
D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

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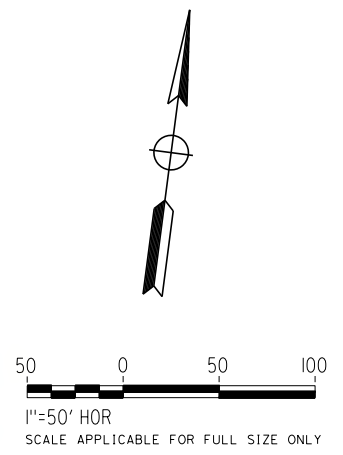
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 1,2,3
 COMPOSITE UTILITY PLAN
 STA 20935+00 TO 20960+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4211
 SCALE
AS SHOWN
 SHEET NO.



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
2	TELEVISION	UNK	TIME WARNER	RELOCATE
3	WATER	8"	LACDPW-WW	RELOCATE
4	WATER	8"	LACDPW-WW	RELOCATE
5	WATER	10"	LACDPW-WW	RELOCATE
6	WATER	8"	LACDPW-WW	RELOCATE
7	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
8	TELEVISION	UNK	TIME WARNER	RELOCATE
9	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
10	WATER	8"	LACDPW-WW	RELOCATE
11	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
12	OH TELECOM	UNK	VERIZON	RELOCATE
13	TELECOM	UNK	VERIZON	RELOCATE
14	OH TELECOM	UNK	VERIZON	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 20935+00 TO 20960+00

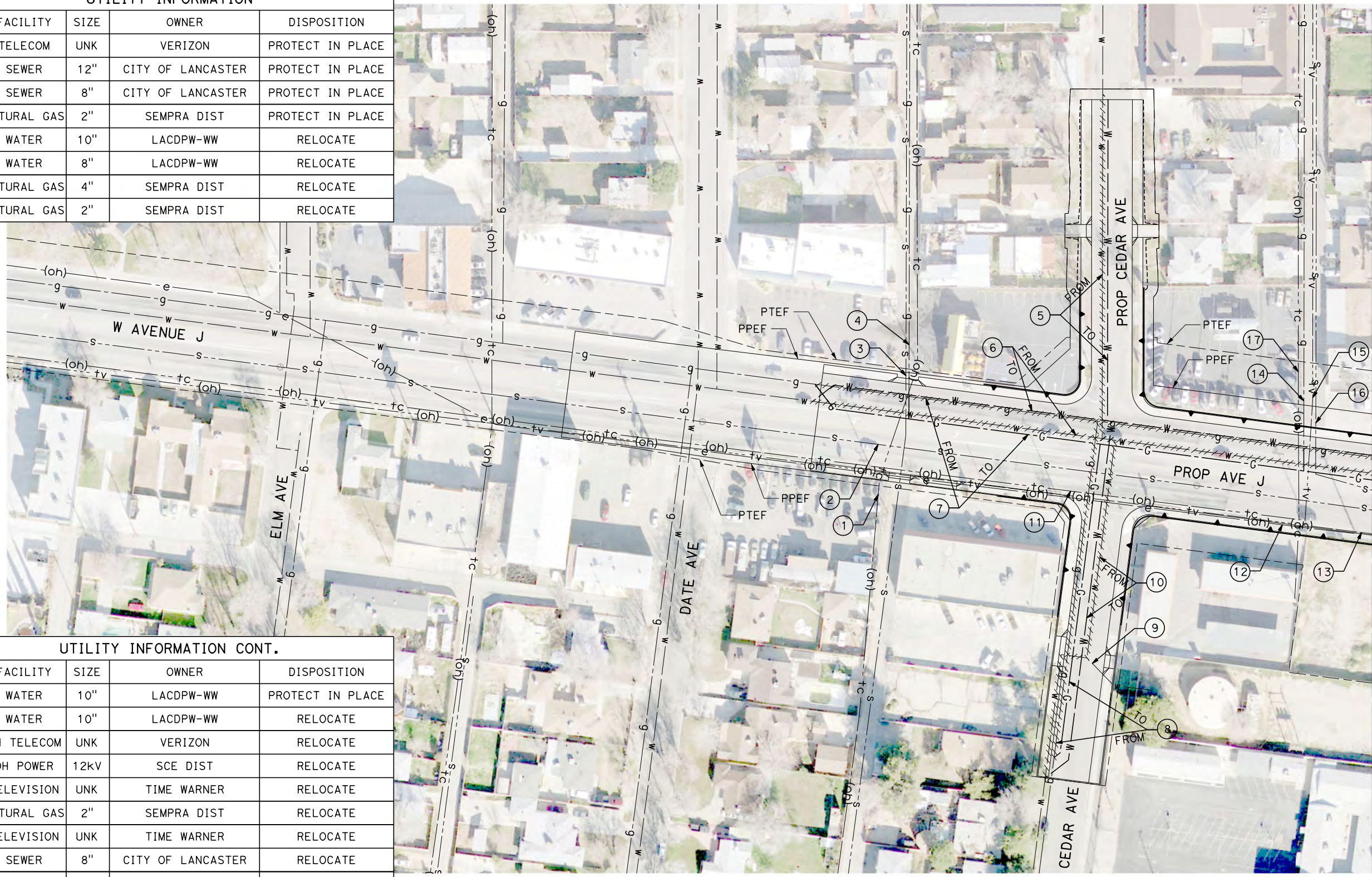
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DRAWING NO.
UT-C4212
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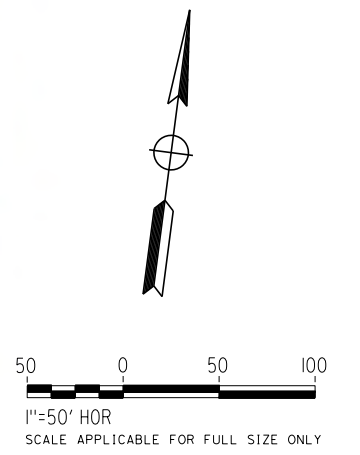
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	TELECOM	UNK	VERIZON	PROTECT IN PLACE
2	SEWER	12"	CITY OF LANCASTER	PROTECT IN PLACE
3	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
4	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
5	WATER	10"	LACDPW-WW	RELOCATE
6	WATER	8"	LACDPW-WW	RELOCATE
7	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
8	NATURAL GAS	2"	SEMPRA DIST	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
9	WATER	10"	LACDPW-WW	PROTECT IN PLACE
10	WATER	10"	LACDPW-WW	RELOCATE
11	OH TELECOM	UNK	VERIZON	RELOCATE
12	OH POWER	12KV	SCE DIST	RELOCATE
13	TELEVISION	UNK	TIME WARNER	RELOCATE
14	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
15	TELEVISION	UNK	TIME WARNER	RELOCATE
16	SEWER	8"	CITY OF LANCASTER	RELOCATE
17	TELECOM	UNK	VERIZON	RELOCATE



MATCH LINE (UT-C4214)



REV	DATE	BY	CHK	APP	DESCRIPTION

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D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 20960+00 TO 20985+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4213

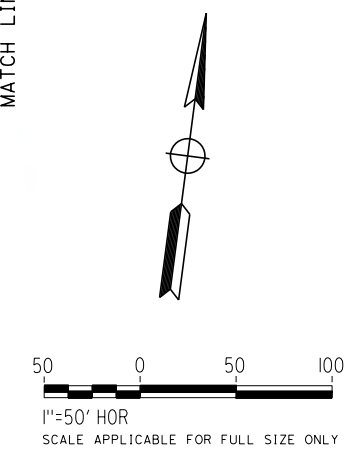
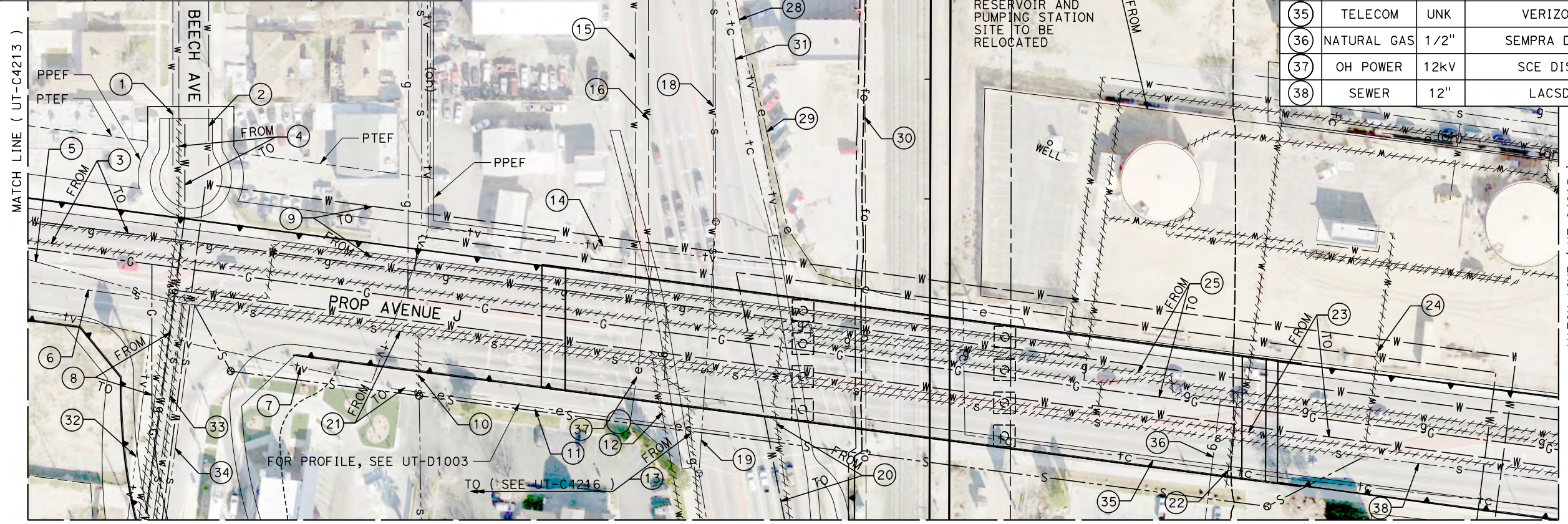
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SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	4"	LACDPW-WW	PROTECT IN PLACE
2	WATER	4"	LACDPW-WW	PROTECT IN PLACE
3	WATER	12"	LACDPW-WW	RELOCATE
4	WATER	12"	LACDPW-WW	RELOCATE
5	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
6	SEWER	12"	LACSD	PROTECT IN PLACE
7	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
8	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
9	WATER	10"	LACDPW-WW	RELOCATE
10	SEWER	12"	LACSD	REMOVE
11	OH POWER	12KV	SCE DIST	PROTECT IN PLACE
12	WATER	10"	LACDPW-WW	REMOVE
13	NATURAL GAS	3"	SEMPRA DIST	RELOCATE
14	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
15	WATER	10"	LACDPW-WW	REMOVE
16	WATER	12"	LACDPW-WW	PROTECT IN PLACE
17	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
18	WATER	10"	LACDPW-WW	PROTECT IN PLACE
19	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
20	WATER	12"	LACDPW-WW	RELOCATE
21	SEWER	12"	LACSD	RELOCATE
22	WATER	10"	LACDPW-WW	REMOVE
23	WATER	12"	LACDPW-WW	RELOCATE
24	WATER	20"	LACDPW-WW	RELOCATE
25	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
26	WATER	8"	LACDPW-WW	PROTECT IN PLACE
27	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
28	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
29	OH POWER	12KV	SCE DIST	PROTECT IN PLACE
30	FIBER OPTIC	UNK	LEVEL 3	RELOCATE
31	TELECOM	UNK	VERIZON	PROTECT IN PLACE
32	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
33	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
34	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
35	TELECOM	UNK	VERIZON	RELOCATE
36	NATURAL GAS	1/2"	SEMPRA DIST	PROTECT IN PLACE
37	OH POWER	12KV	SCE DIST	RELOCATE
38	SEWER	12"	LACSD	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS

DRAWN BY
H. TU

CHECKED BY
D. ARUTA

IN CHARGE
S. SMITH

DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 20960+00 TO 20985+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4214

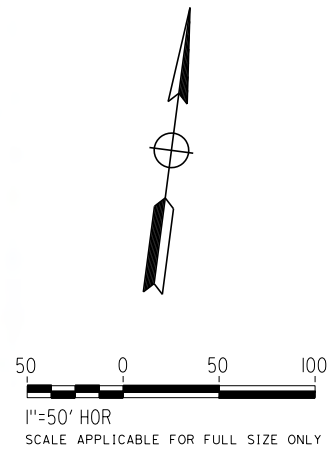
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AS SHOWN

SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	8"	LACDPW-WW	RELOCATE
2	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
3	WATER	8"	LACDPW-WW	RELOCATE
4	WATER	12"	LACDPW-WW	RELOCATE
5	WATER	12"	LACDPW-WW	RELOCATE
6	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
7	SEWER	12"	CITY OF LANCASTER	PROTECT IN PLACE
8	TELECOM	UNK	VERIZON	PROTECT IN PLACE
9	TELECOM	UNK	VERIZON	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

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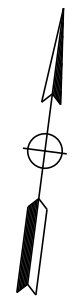


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 20960+00 TO 20985+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4215
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4214)



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
2	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
3	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
4	OH POWER	12KV	SCE DIST	RELOCATE
5	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
6	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
7	WATER	12"	LACDPW-WW	PROTECT IN PLACE
8	NATURAL GAS	1/2"	SEMPRA DIST	PROTECT IN PLACE
9	FIBER OPTIC	UNK	LEVEL 3	RELOCATE
10	WATER	10"	LACDPW-WW	REMOVE
11	WATER	10"	LACDPW-WW	RELOCATE
12	WATER	8"	LACDPW-WW	PROTECT IN PLACE
13	WATER	12"	LACDPW-WW	RELOCATE
14	WATER	8"	LACDPW-WW	PROTECT IN PLACE
15	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
16	OH POWER	12KV	SCE DIST	PROTECT IN PLACE
17	OH TELECOM	UNK	VERIZON	RELOCATE
18	TELEVISION	UNK	TIME WARNER	RELOCATE
19	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
20	NATURAL GAS	4"	SEMPRA DIST	PROTECT IN PLACE
21	OH TELECOM	UNK	VERIZON	PROTECT IN PLACE
22	WATER	10"	LACDPW-WW	PROTECT IN PLACE



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS

DRAWN BY
H. TU

CHECKED BY
D. ARUTA

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 20960+00 TO 20985+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4216

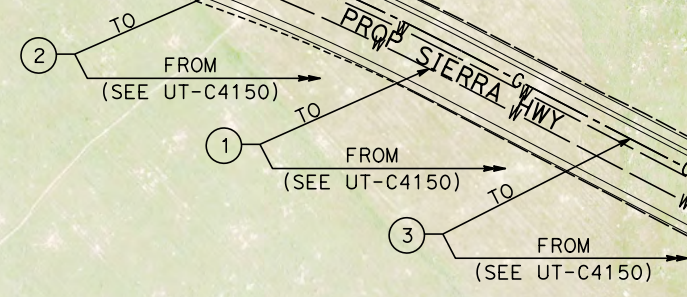
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AS SHOWN

SHEET NO.

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MATCH LINE (UT-C4150)

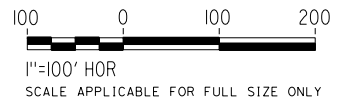


MATCH LINE (UT-C4223)

SEE SHEET UT-C4218

UTILITY INFORMATION

#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	LACDPW-WW	RELOCATE
2	REC WATER	24"	CITY OF LANCASTER	RELOCATE
3	NATURAL GAS	4"	SEMPRA DIST	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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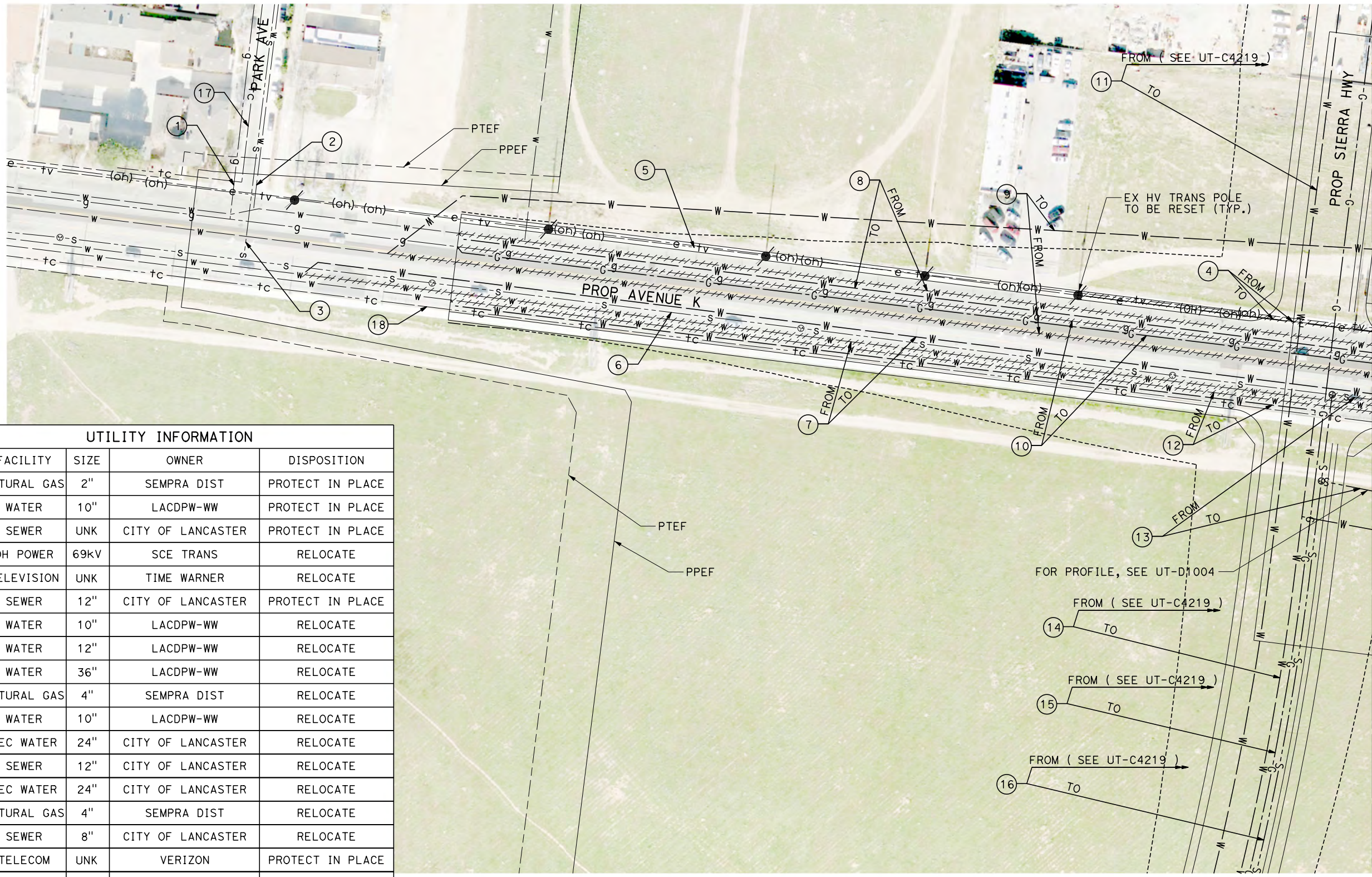
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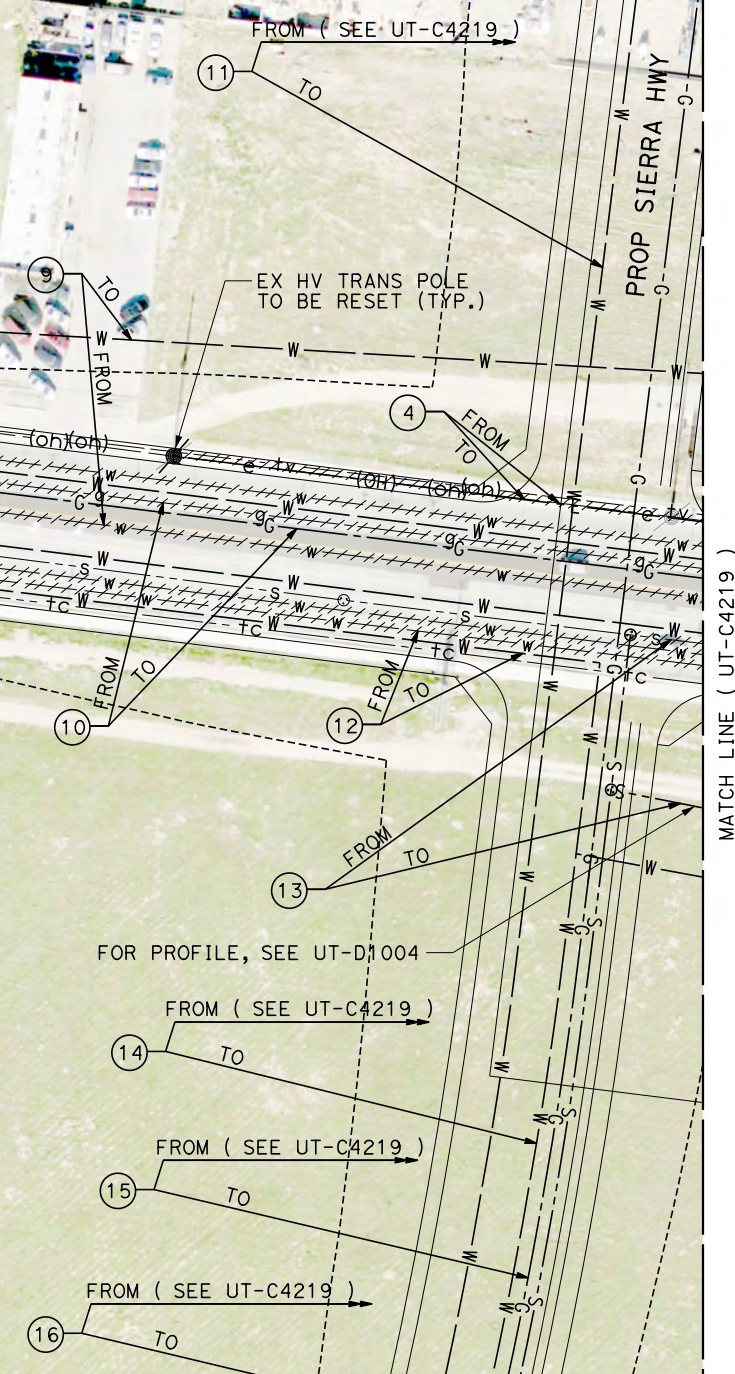
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21010+00 TO 21035+00

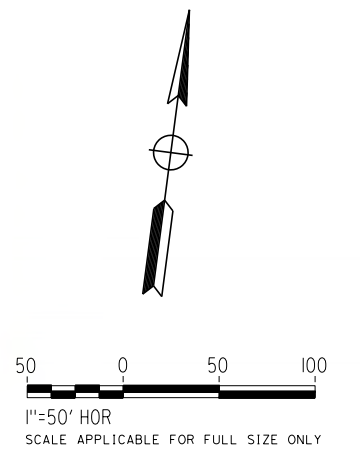
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4217
SCALE
AS SHOWN
SHEET NO.



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
2	WATER	10"	LACDPW-WW	PROTECT IN PLACE
3	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
4	OH POWER	69kV	SCE TRANS	RELOCATE
5	TELEVISION	UNK	TIME WARNER	RELOCATE
6	SEWER	12"	CITY OF LANCASTER	PROTECT IN PLACE
7	WATER	10"	LACDPW-WW	RELOCATE
8	WATER	12"	LACDPW-WW	RELOCATE
9	WATER	36"	LACDPW-WW	RELOCATE
10	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
11	WATER	10"	LACDPW-WW	RELOCATE
12	REC WATER	24"	CITY OF LANCASTER	RELOCATE
13	SEWER	12"	CITY OF LANCASTER	RELOCATE
14	REC WATER	24"	CITY OF LANCASTER	RELOCATE
15	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
16	SEWER	8"	CITY OF LANCASTER	RELOCATE
17	TELECOM	UNK	VERIZON	PROTECT IN PLACE
18	TELECOM	UNK	VERIZON	RELOCATE



MATCH LINE (UT-C4219)



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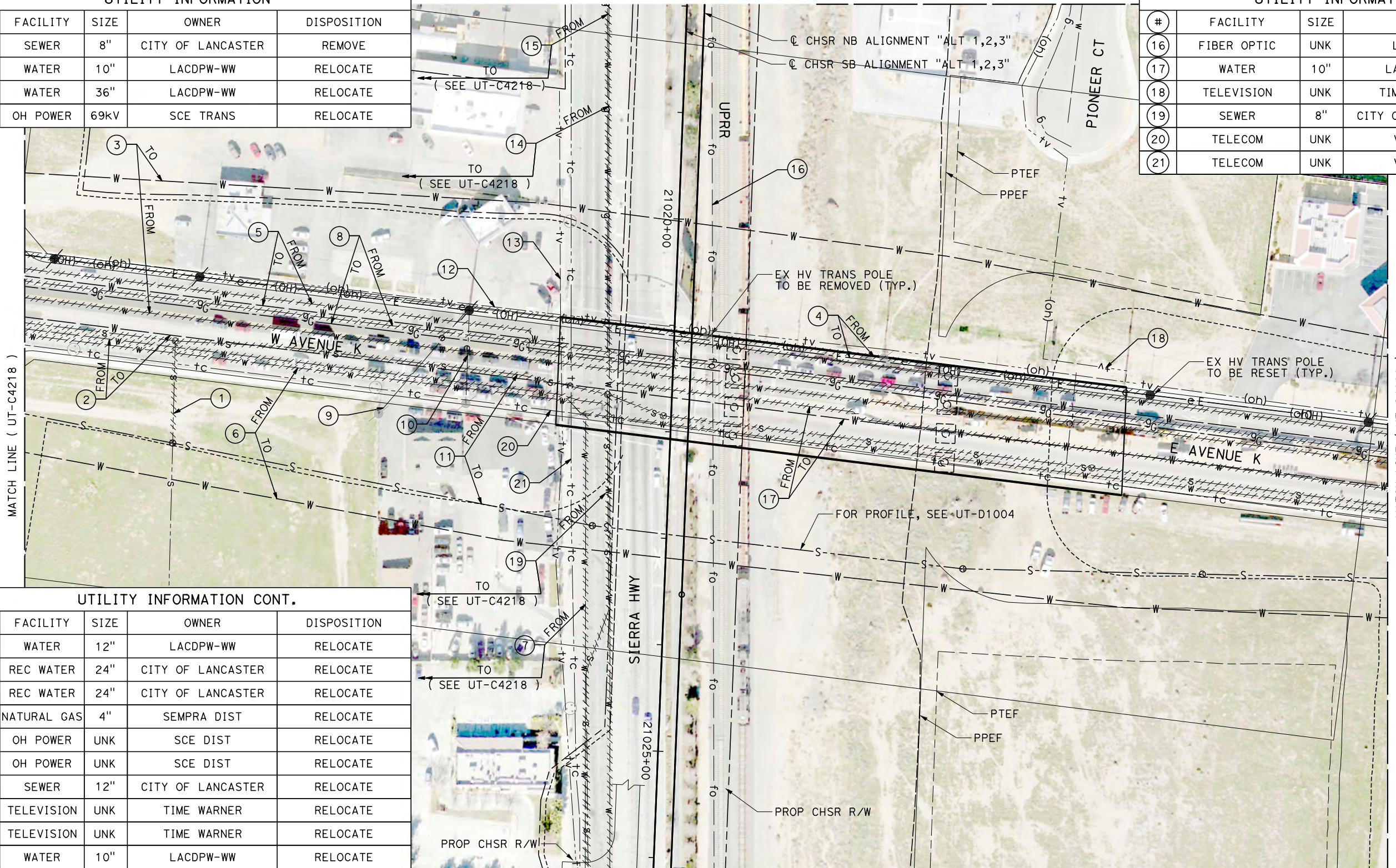
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21010+00 TO 21035+00

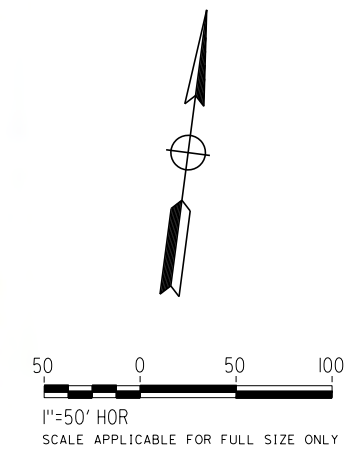
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4218
SCALE
AS SHOWN
SHEET NO.

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	8"	CITY OF LANCASTER	REMOVE
2	WATER	10"	LACDPW-WW	RELOCATE
3	WATER	36"	LACDPW-WW	RELOCATE
4	OH POWER	69KV	SCE TRANS	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
16	FIBER OPTIC	UNK	LEVEL 3	RELOCATE
17	WATER	10"	LACDPW-WW	RELOCATE
18	TELEVISION	UNK	TIME WARNER	RELOCATE
19	SEWER	8"	CITY OF LANCASTER	RELOCATE
20	TELECOM	UNK	VERIZON	RELOCATE
21	TELECOM	UNK	VERIZON	RELOCATE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
5	WATER	12"	LACDPW-WW	RELOCATE
6	REC WATER	24"	CITY OF LANCASTER	RELOCATE
7	REC WATER	24"	CITY OF LANCASTER	RELOCATE
8	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
9	OH POWER	UNK	SCE DIST	RELOCATE
10	OH POWER	UNK	SCE DIST	RELOCATE
11	SEWER	12"	CITY OF LANCASTER	RELOCATE
12	TELEVISION	UNK	TIME WARNER	RELOCATE
13	TELEVISION	UNK	TIME WARNER	RELOCATE
14	WATER	10"	LACDPW-WW	RELOCATE
15	NATURAL GAS	4"	SEMPRA DIST	RELOCATE



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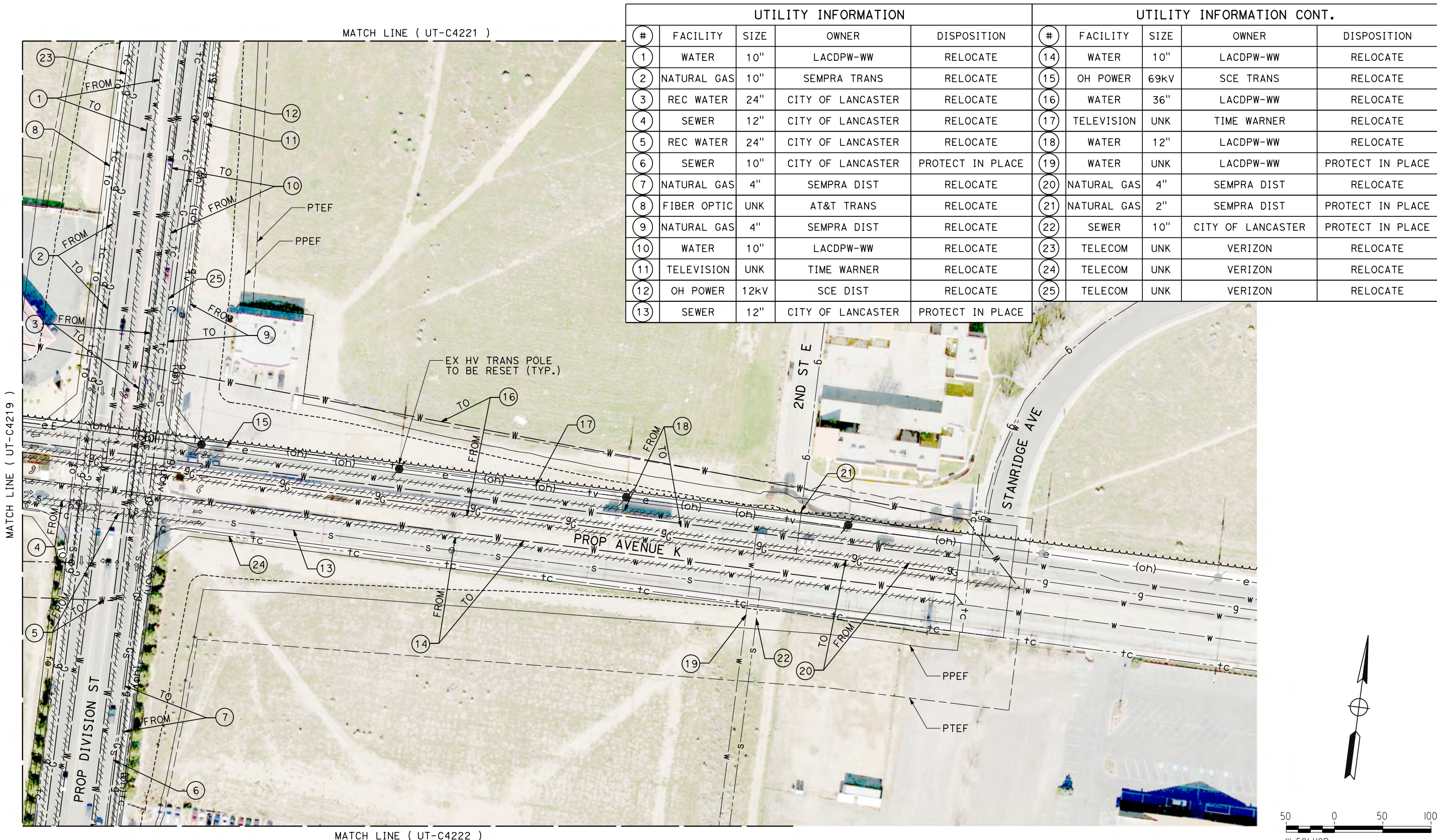


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

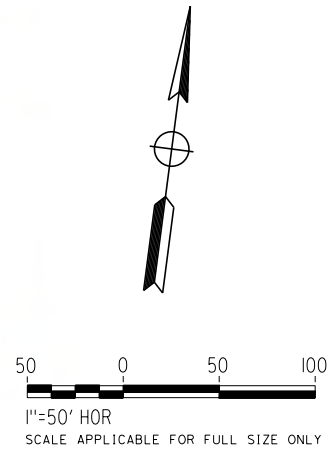
ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21010+00 TO 21035+00

CONTRACT NO.
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UTILITY INFORMATION					UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	10"	LACDPW-WW	RELOCATE	14	WATER	10"	LACDPW-WW	RELOCATE
2	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE	15	OH POWER	69kV	SCE TRANS	RELOCATE
3	REC WATER	24"	CITY OF LANCASTER	RELOCATE	16	WATER	36"	LACDPW-WW	RELOCATE
4	SEWER	12"	CITY OF LANCASTER	RELOCATE	17	TELEVISION	UNK	TIME WARNER	RELOCATE
5	REC WATER	24"	CITY OF LANCASTER	RELOCATE	18	WATER	12"	LACDPW-WW	RELOCATE
6	SEWER	10"	CITY OF LANCASTER	PROTECT IN PLACE	19	WATER	UNK	LACDPW-WW	PROTECT IN PLACE
7	NATURAL GAS	4"	SEMPRA DIST	RELOCATE	20	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
8	FIBER OPTIC	UNK	AT&T TRANS	RELOCATE	21	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
9	NATURAL GAS	4"	SEMPRA DIST	RELOCATE	22	SEWER	10"	CITY OF LANCASTER	PROTECT IN PLACE
10	WATER	10"	LACDPW-WW	RELOCATE	23	TELECOM	UNK	VERIZON	RELOCATE
11	TELEVISION	UNK	TIME WARNER	RELOCATE	24	TELECOM	UNK	VERIZON	RELOCATE
12	OH POWER	12kV	SCE DIST	RELOCATE	25	TELECOM	UNK	VERIZON	RELOCATE
13	SEWER	12"	CITY OF LANCASTER	PROTECT IN PLACE					



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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21010+00 TO 21035+00

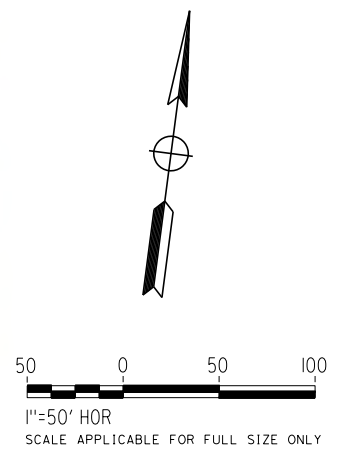
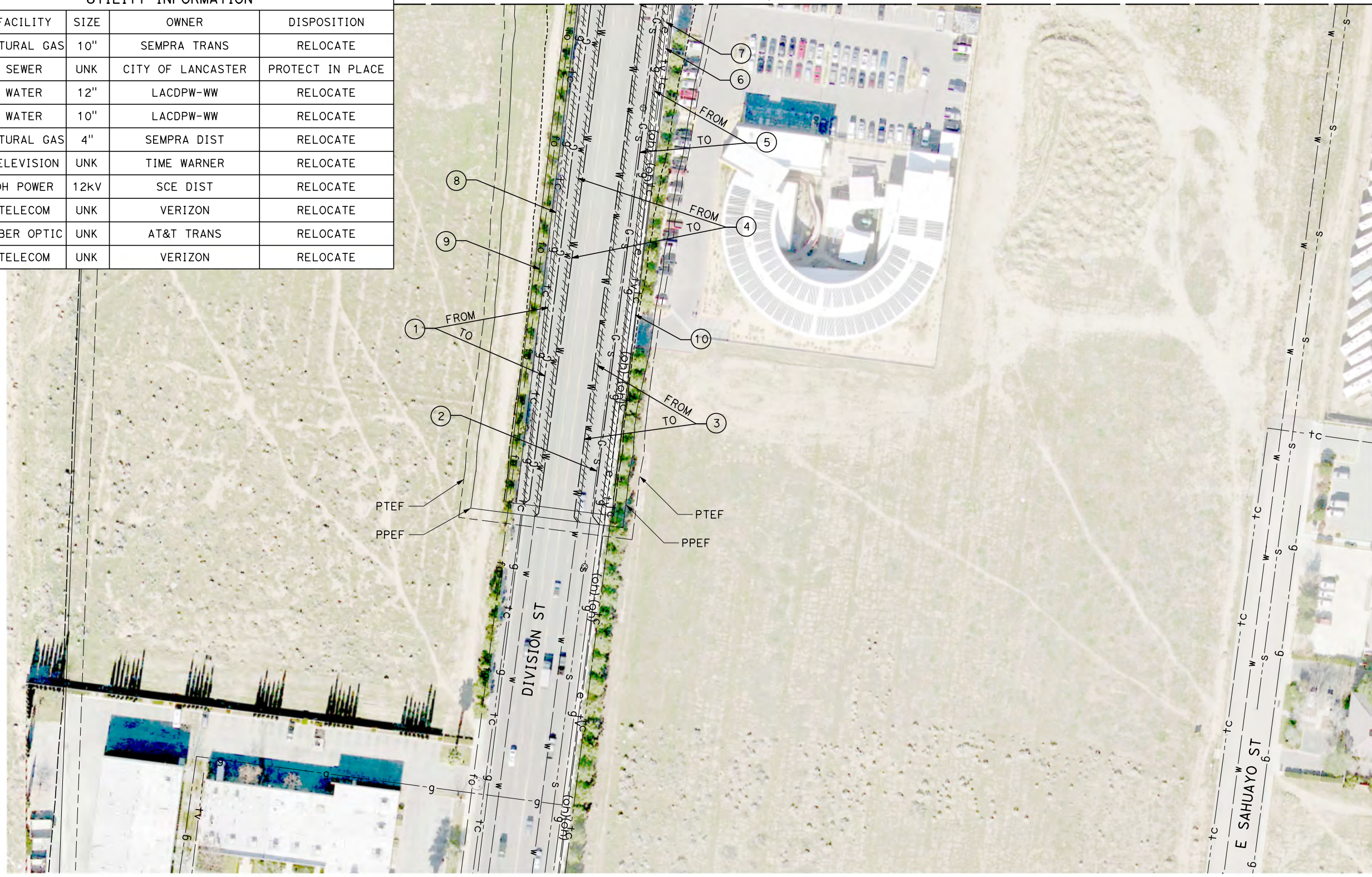
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DRAWING NO.
UT-C4220
SCALE
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SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE
2	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
3	WATER	12"	LACDPW-WW	RELOCATE
4	WATER	10"	LACDPW-WW	RELOCATE
5	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
6	TELEVISION	UNK	TIME WARNER	RELOCATE
7	OH POWER	12KV	SCE DIST	RELOCATE
8	TELECOM	UNK	VERIZON	RELOCATE
9	FIBER OPTIC	UNK	AT&T TRANS	RELOCATE
10	TELECOM	UNK	VERIZON	RELOCATE

MATCH LINE (UT-C4220)



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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

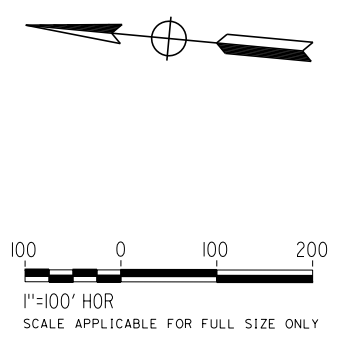
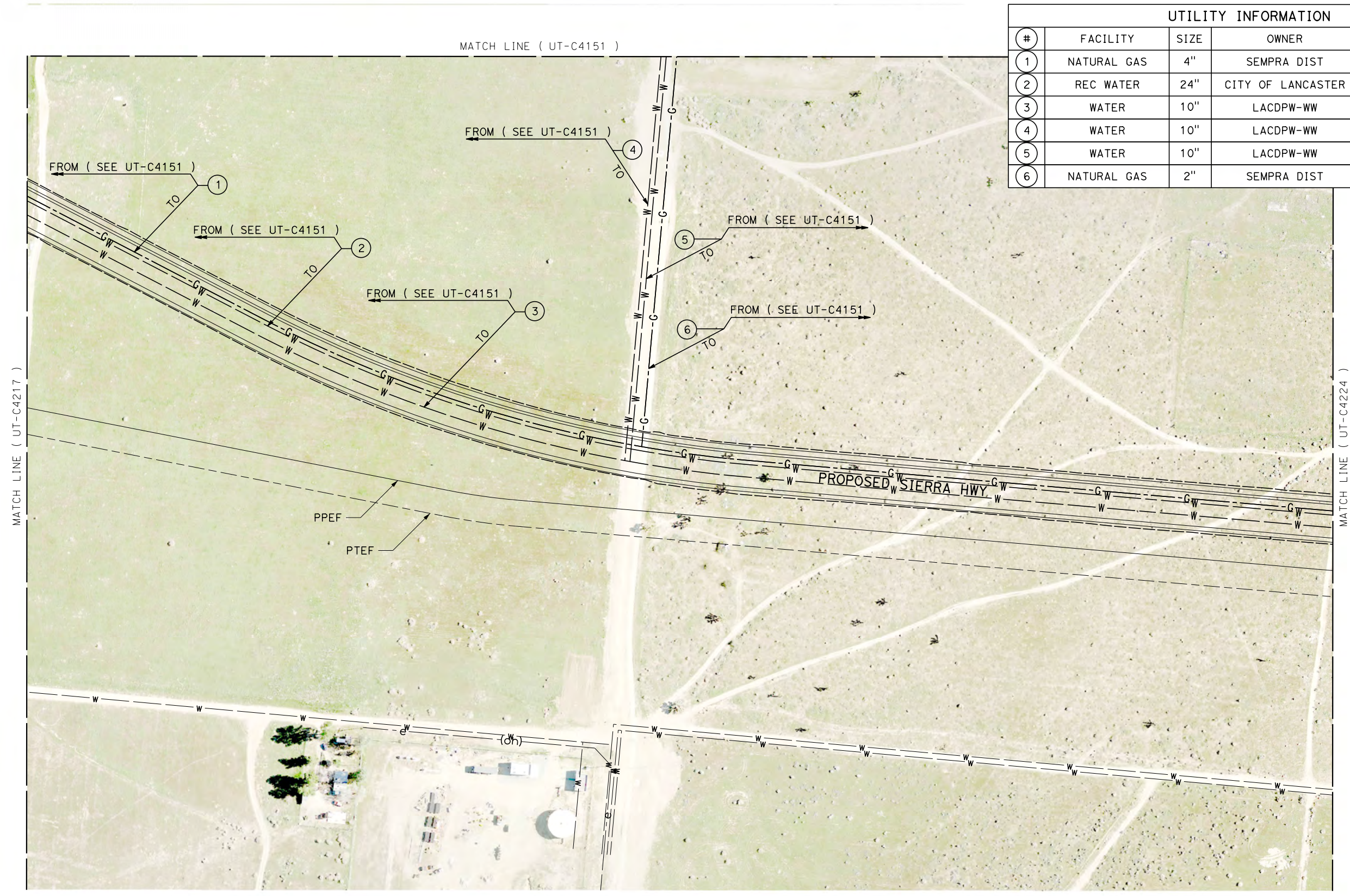
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COMPOSITE UTILITY PLAN
STA 21010+00 TO 21035+00

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SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
2	REC WATER	24"	CITY OF LANCASTER	RELOCATE
3	WATER	10"	LACDPW-WW	RELOCATE
4	WATER	10"	LACDPW-WW	RELOCATE
5	WATER	10"	LACDPW-WW	RELOCATE
6	NATURAL GAS	2"	SEMPRA DIST	RELOCATE



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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21035+00 TO 21060+00

CONTRACT NO.
HSR13-44

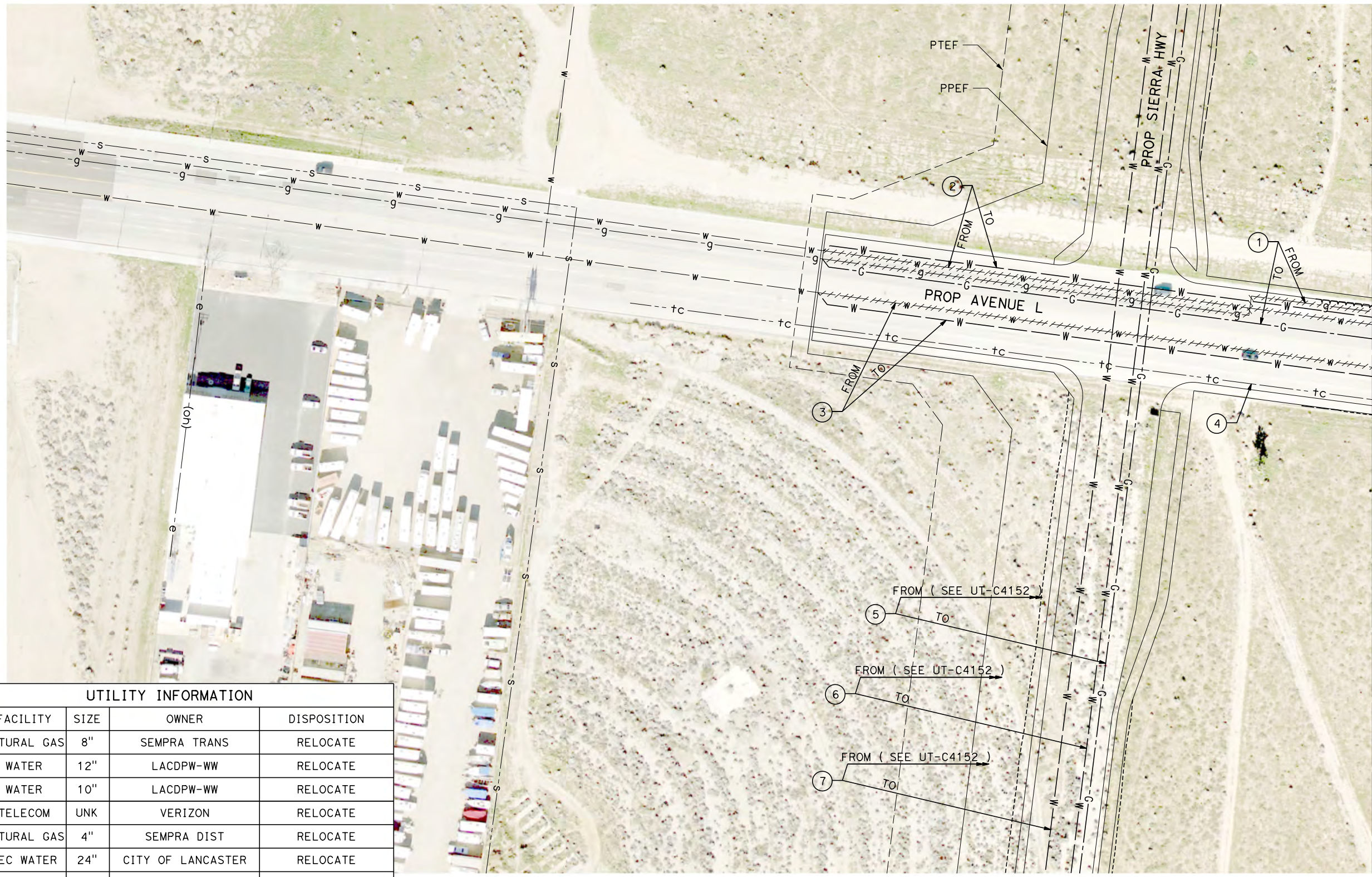
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SCALE
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SHEET NO.

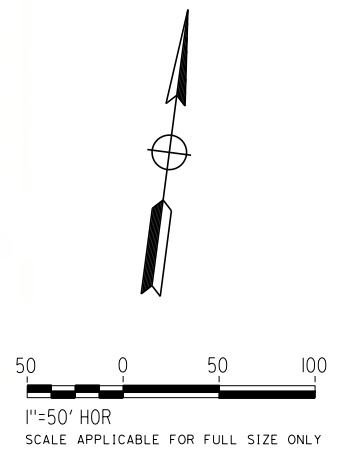
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	8"	SEMPRA TRANS	RELOCATE
2	WATER	12"	LACDPW-WW	RELOCATE
3	WATER	10"	LACDPW-WW	RELOCATE
4	TELECOM	UNK	VERIZON	RELOCATE
5	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
6	REC WATER	24"	CITY OF LANCASTER	RELOCATE
7	WATER	12"	LACDPW-WW	RELOCATE

MATCH LINE (UT-C4226)



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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21060+00 TO 21085+00

CONTRACT NO.
HSR13-44

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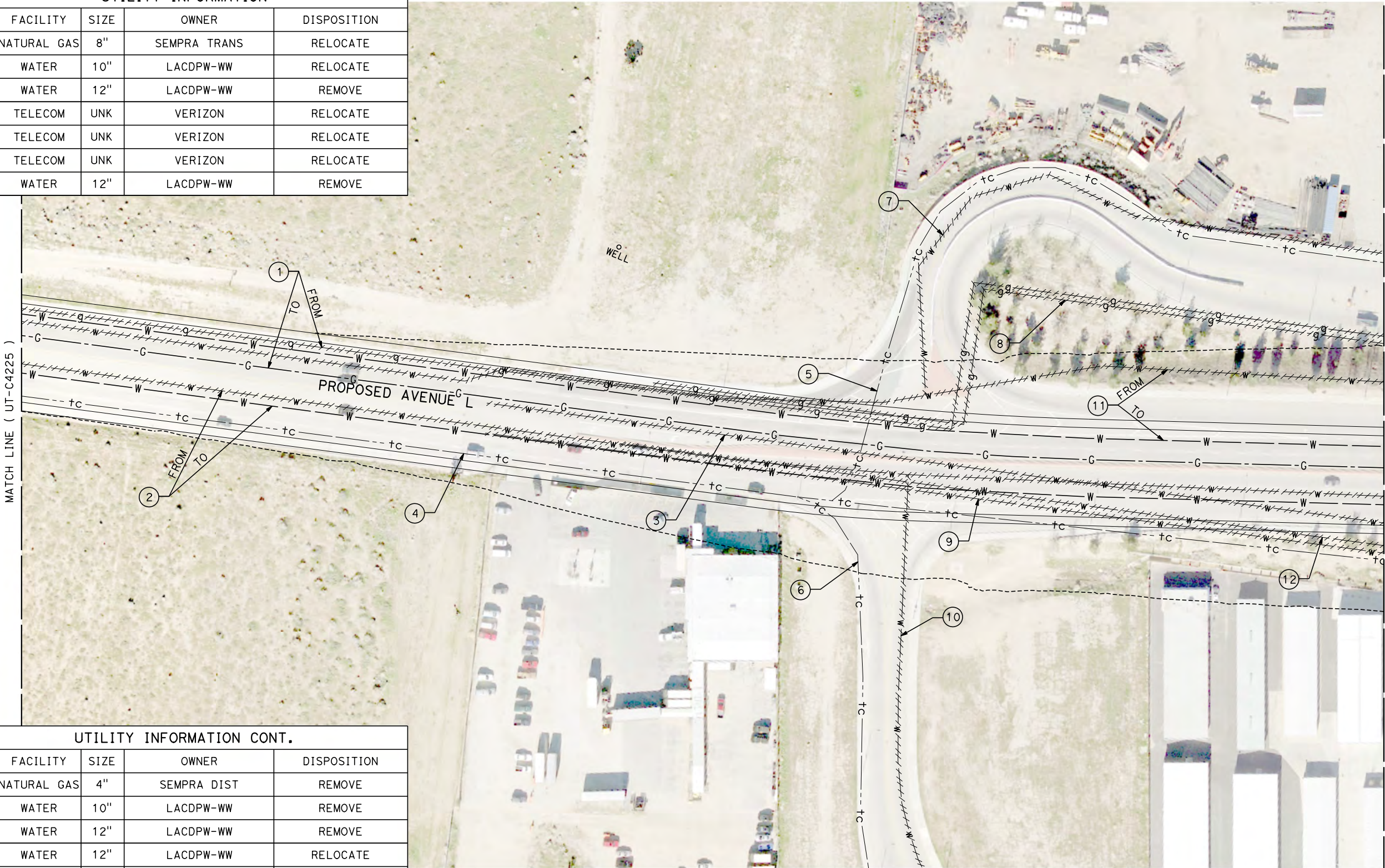
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SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	8"	SEMPRA TRANS	RELOCATE
2	WATER	10"	LACDPW-WW	RELOCATE
3	WATER	12"	LACDPW-WW	REMOVE
4	TELECOM	UNK	VERIZON	RELOCATE
5	TELECOM	UNK	VERIZON	RELOCATE
6	TELECOM	UNK	VERIZON	RELOCATE
7	WATER	12"	LACDPW-WW	REMOVE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
8	NATURAL GAS	4"	SEMPRA DIST	REMOVE
9	WATER	10"	LACDPW-WW	REMOVE
10	WATER	12"	LACDPW-WW	REMOVE
11	WATER	12"	LACDPW-WW	RELOCATE
12	WATER	6"	LACDPW-WW	REMOVE

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BAKERSFIELD TO PALMDALE**

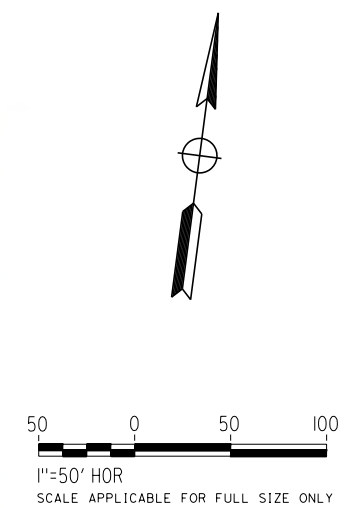
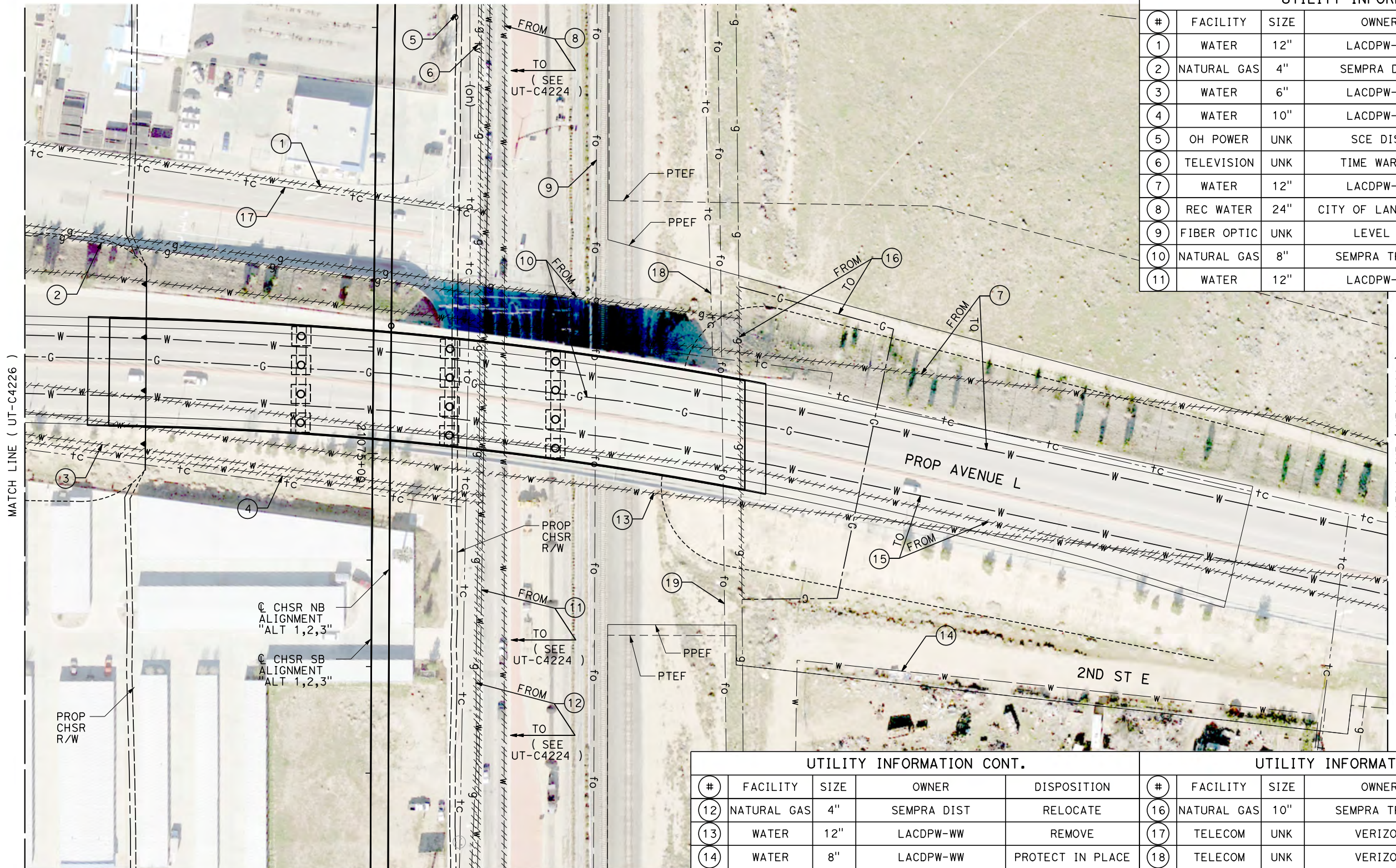
ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21060+00 TO 21085+00

CONTRACT NO.
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DRAWING NO.
UT-C4226
SCALE
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	LACDPW-WW	REMOVE
2	NATURAL GAS	4"	SEMPRA DIST	REMOVE
3	WATER	6"	LACDPW-WW	REMOVE
4	WATER	10"	LACDPW-WW	REMOVE
5	OH POWER	UNK	SCE DIST	RELOCATE
6	TELEVISION	UNK	TIME WARNER	RELOCATE
7	WATER	12"	LACDPW-WW	RELOCATE
8	REC WATER	24"	CITY OF LANCASTER	RELOCATE
9	FIBER OPTIC	UNK	LEVEL 3	RELOCATE
10	NATURAL GAS	8"	SEMPRA TRANS	RELOCATE
11	WATER	12"	LACDPW-WW	RELOCATE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
12	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
13	WATER	12"	LACDPW-WW	REMOVE
14	WATER	8"	LACDPW-WW	PROTECT IN PLACE
15	WATER	12"	LACDPW-WW	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
16	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE
17	TELECOM	UNK	VERIZON	RELOCATE
18	TELECOM	UNK	VERIZON	RELOCATE
19	FIBER OPTIC	UNK	AT&T TRANS	PROTECT IN PLACE

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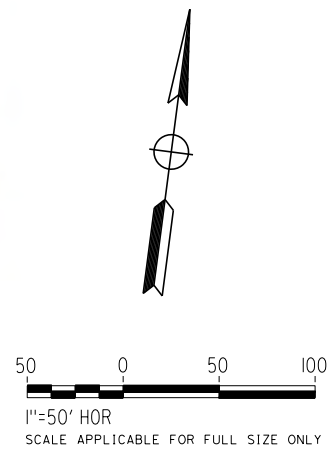
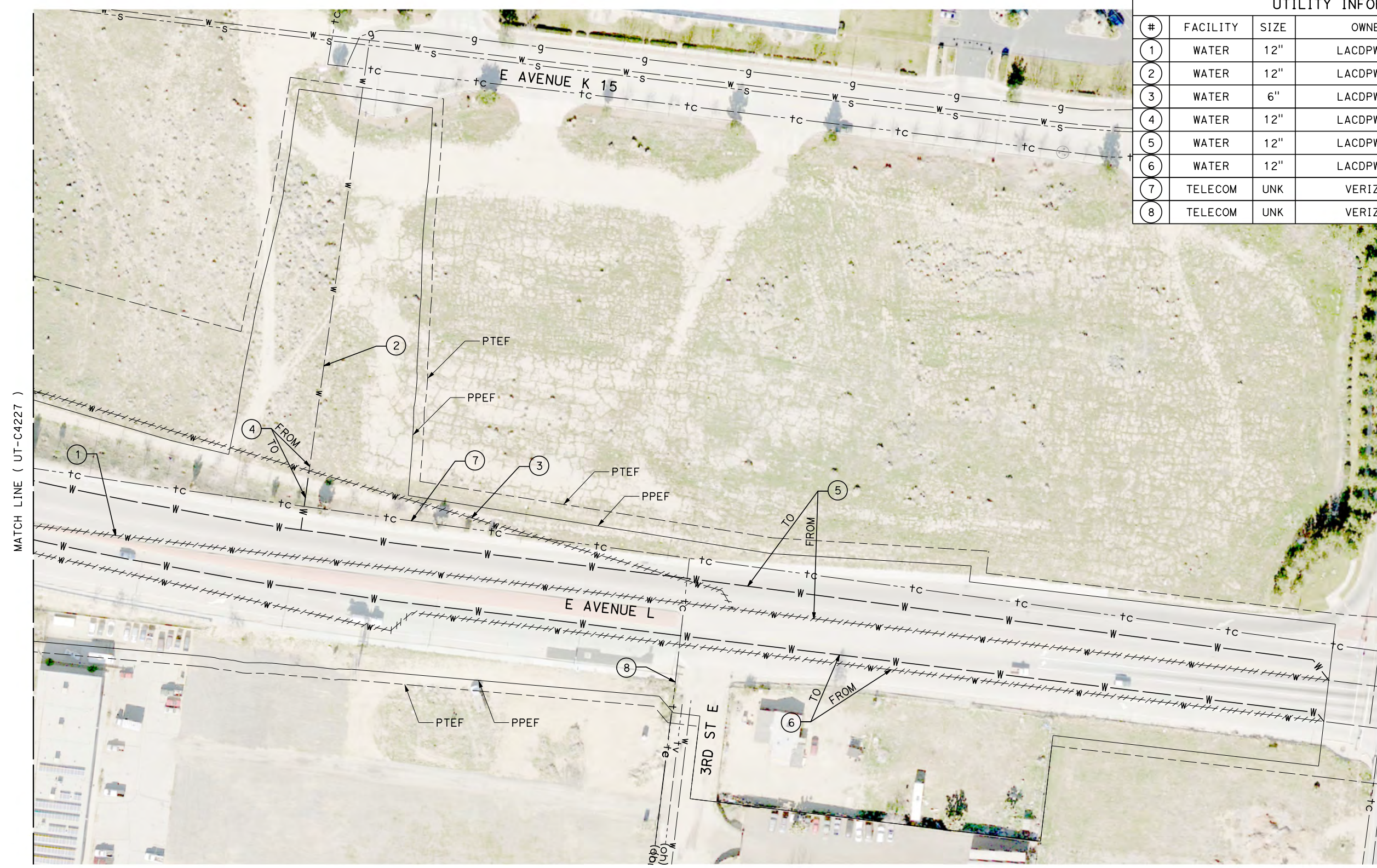
ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21060+00 TO 21085+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4227
SCALE
AS SHOWN
SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	LACDPW-WW	REMOVE
2	WATER	12"	LACDPW-WW	PROTECT IN PLACE
3	WATER	6"	LACDPW-WW	REMOVE
4	WATER	12"	LACDPW-WW	RELOCATE
5	WATER	12"	LACDPW-WW	RELOCATE
6	WATER	12"	LACDPW-WW	RELOCATE
7	TELECOM	UNK	VERIZON	RELOCATE
8	TELECOM	UNK	VERIZON	RELOCATE



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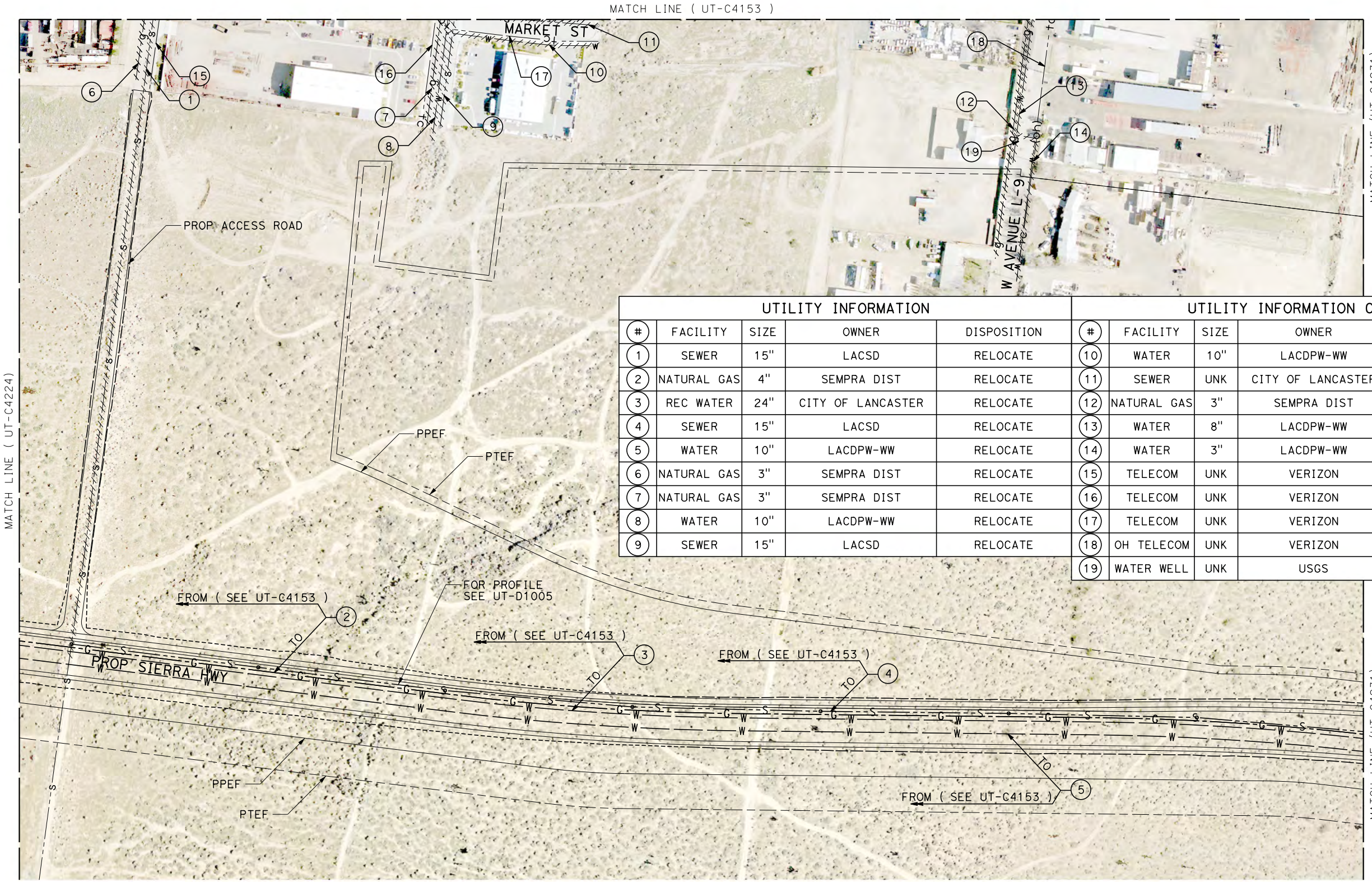
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BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21060+00 TO 21085+00

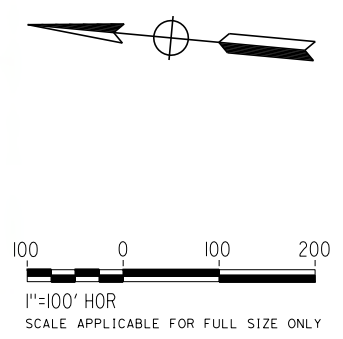
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UT-C4228
SCALE
AS SHOWN
SHEET NO.

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UTILITY INFORMATION					UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	15"	LACSD	RELOCATE	10	WATER	10"	LACDPW-WW	REMOVE
2	NATURAL GAS	4"	SEMPRA DIST	RELOCATE	11	SEWER	UNK	CITY OF LANCASTER	REMOVE
3	REC WATER	24"	CITY OF LANCASTER	RELOCATE	12	NATURAL GAS	3"	SEMPRA DIST	REMOVE
4	SEWER	15"	LACSD	RELOCATE	13	WATER	8"	LACDPW-WW	REMOVE
5	WATER	10"	LACDPW-WW	RELOCATE	14	WATER	3"	LACDPW-WW	REMOVE
6	NATURAL GAS	3"	SEMPRA DIST	RELOCATE	15	TELECOM	UNK	VERIZON	REMOVE
7	NATURAL GAS	3"	SEMPRA DIST	RELOCATE	16	TELECOM	UNK	VERIZON	REMOVE
8	WATER	10"	LACDPW-WW	RELOCATE	17	TELECOM	UNK	VERIZON	REMOVE
9	SEWER	15"	LACSD	RELOCATE	18	OH TELECOM	UNK	VERIZON	REMOVE
					19	WATER WELL	UNK	USGS	REMOVE



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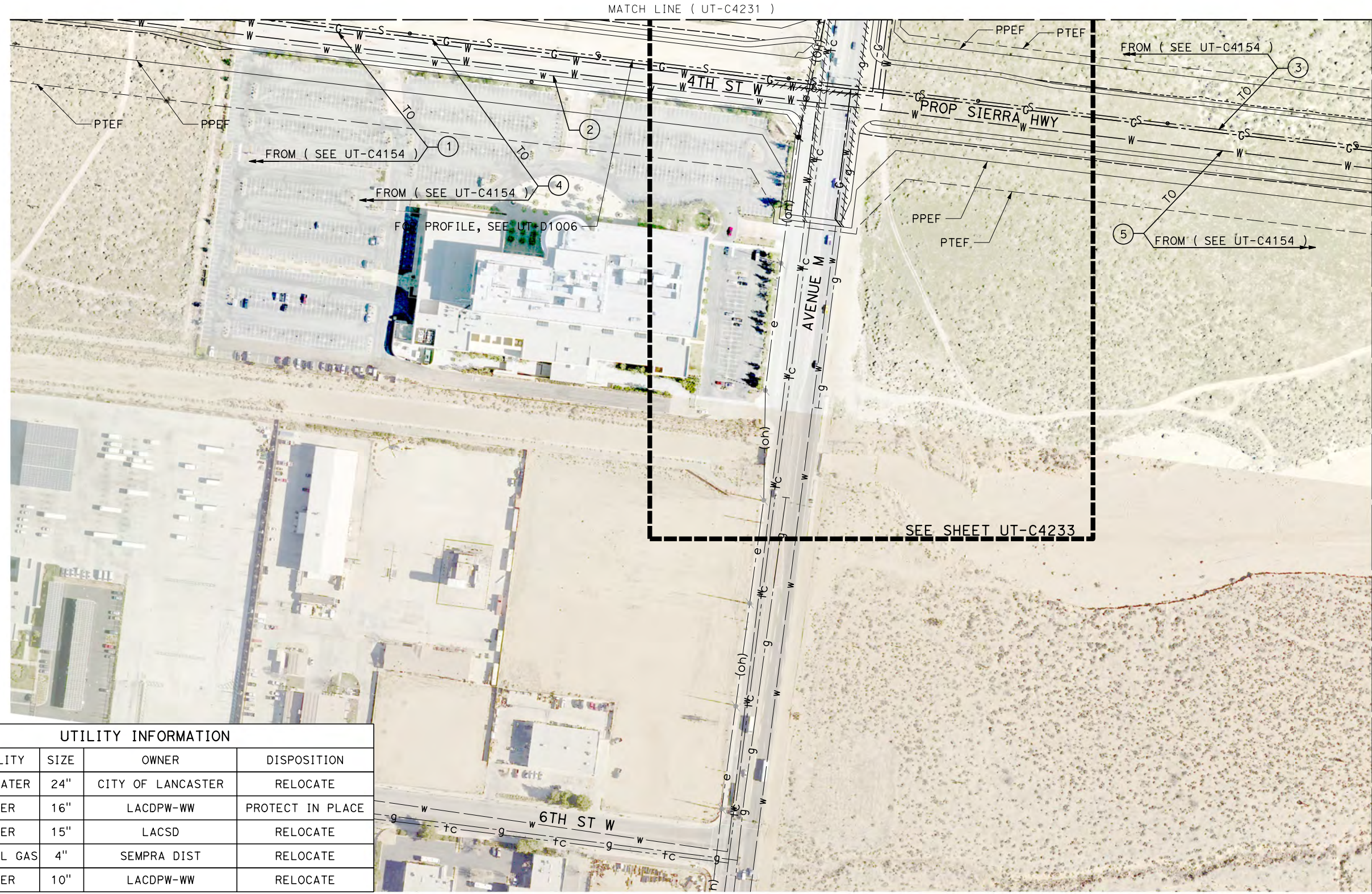
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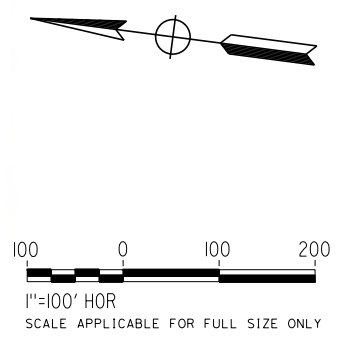
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21085+00 TO 21110+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4229
SCALE
AS SHOWN
SHEET NO.



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	REC WATER	24"	CITY OF LANCASTER	RELOCATE
2	WATER	16"	LACDPW-WW	PROTECT IN PLACE
3	SEWER	15"	LACSD	RELOCATE
4	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
5	WATER	10"	LACDPW-WW	RELOCATE



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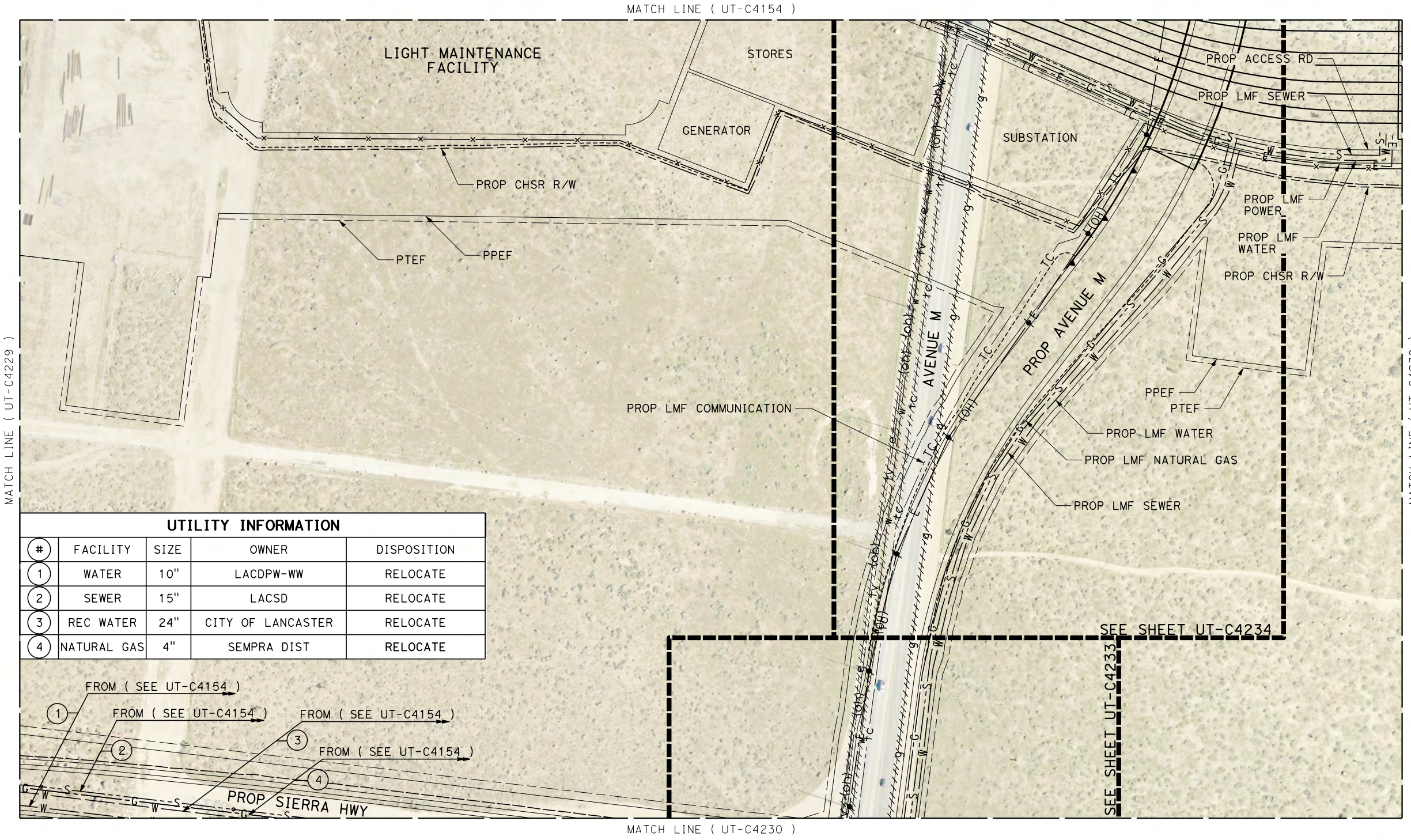
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 1,2,3
 COMPOSITE UTILITY PLAN
 STA 21110+00 TO 21135+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4230
 SCALE
AS SHOWN
 SHEET NO.

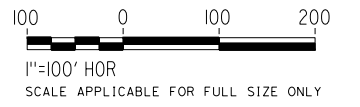
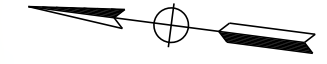
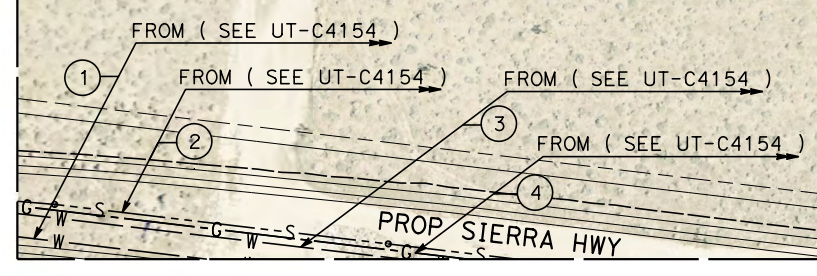
Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4231.dgn

OIC:Adodge 11/7/2017 3:03:48 PM



UTILITY INFORMATION

#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	10"	LACDPW-WW	RELOCATE
2	SEWER	15"	LACSD	RELOCATE
3	REC WATER	24"	CITY OF LANCASTER	RELOCATE
4	NATURAL GAS	4"	SEMPRA DIST	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21110+00 TO 21135+00

CONTRACT NO.
HSR13-44

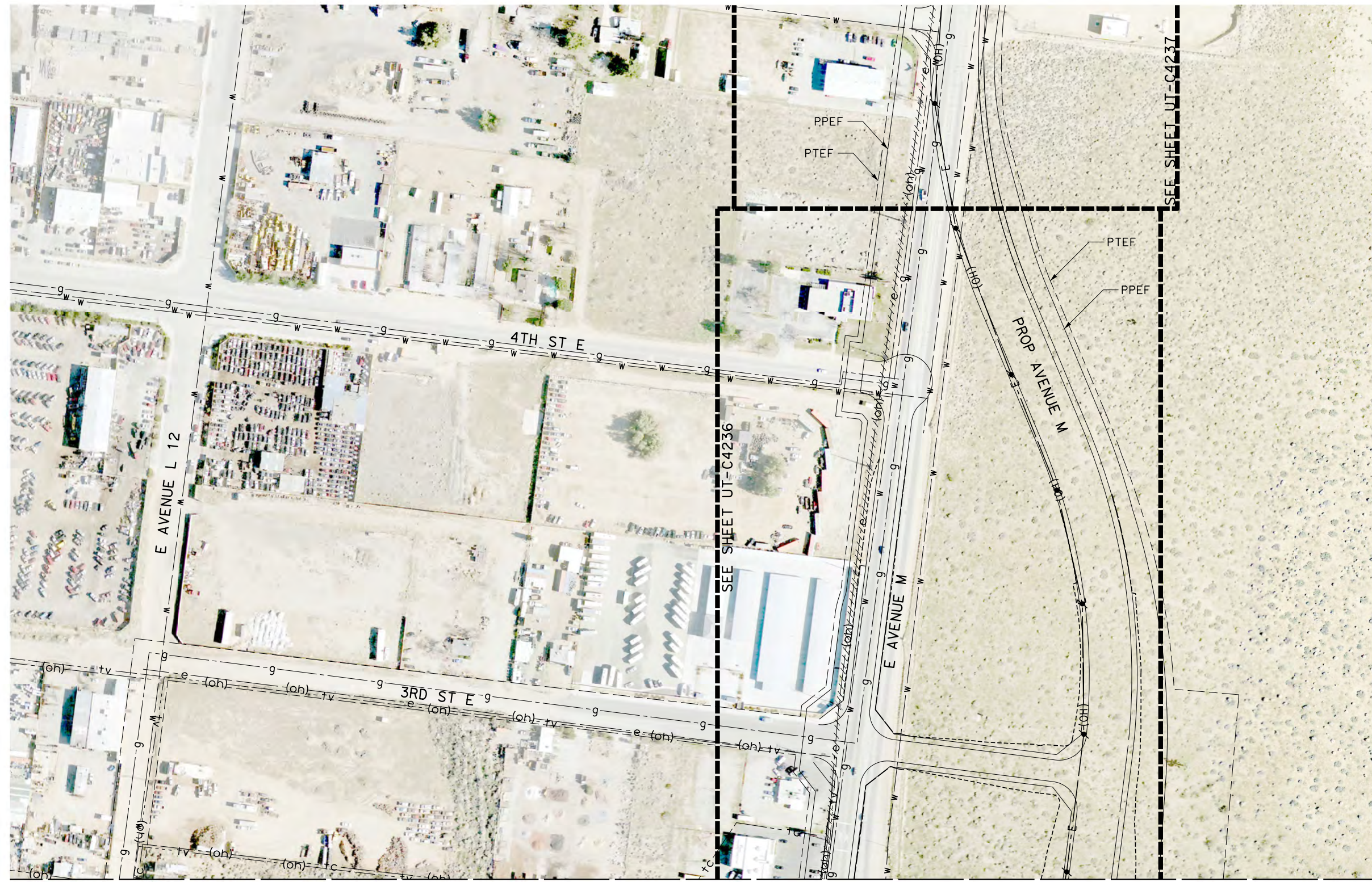
DRAWING NO.
UT-C4231

SCALE
AS SHOWN

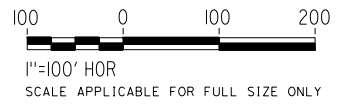
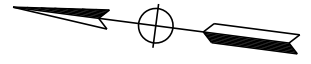
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\A1\1\BP-UT-C4232.dgn

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MATCH LINE (UT-C4154)



REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
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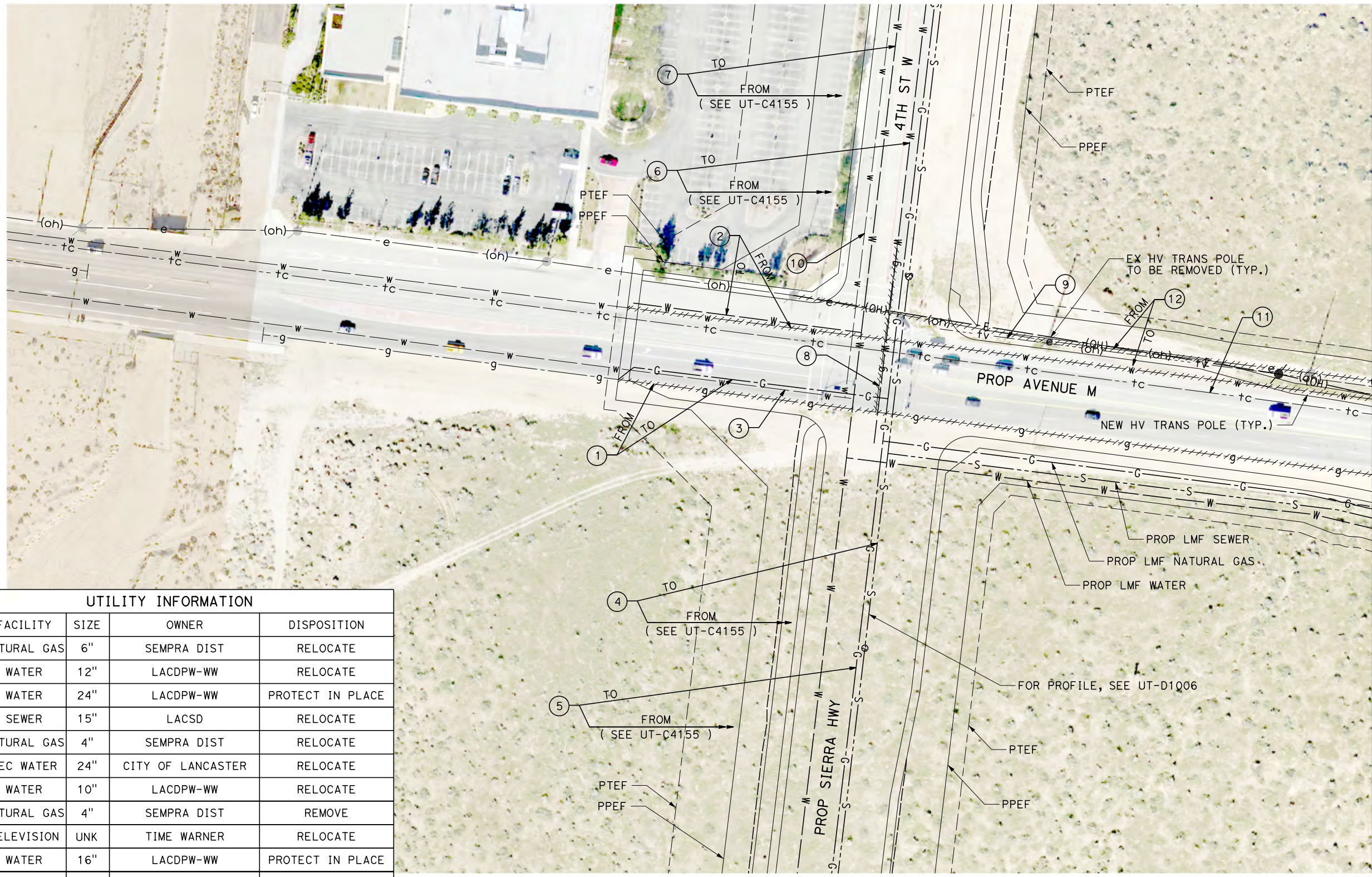
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21110+00 TO 21135+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4232
SCALE
AS SHOWN
SHEET NO.

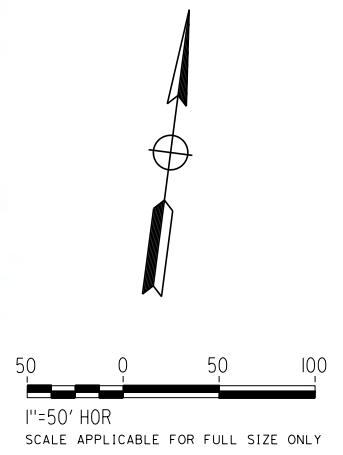
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OIC: Adodge 11/7/2017 2:34:02 PM



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	6"	SEMPRA DIST	RELOCATE
2	WATER	12"	LACDPW-WW	RELOCATE
3	WATER	24"	LACDPW-WW	PROTECT IN PLACE
4	SEWER	15"	LACSD	RELOCATE
5	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
6	REC WATER	24"	CITY OF LANCASTER	RELOCATE
7	WATER	10"	LACDPW-WW	RELOCATE
8	NATURAL GAS	4"	SEMPRA DIST	REMOVE
9	TELEVISION	UNK	TIME WARNER	RELOCATE
10	WATER	16"	LACDPW-WW	PROTECT IN PLACE
11	TELECOM	UNK	VERIZON	PROTECT IN PLACE
12	OH POWER	69kV	SCE TRANS	RELOCATE

MATCH LINE (UT-C4234)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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SUBMITTAL**

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21110+00 TO 21135+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4233

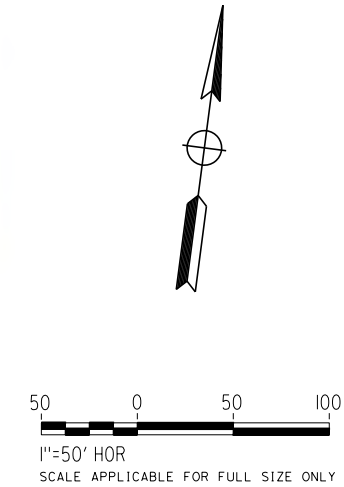
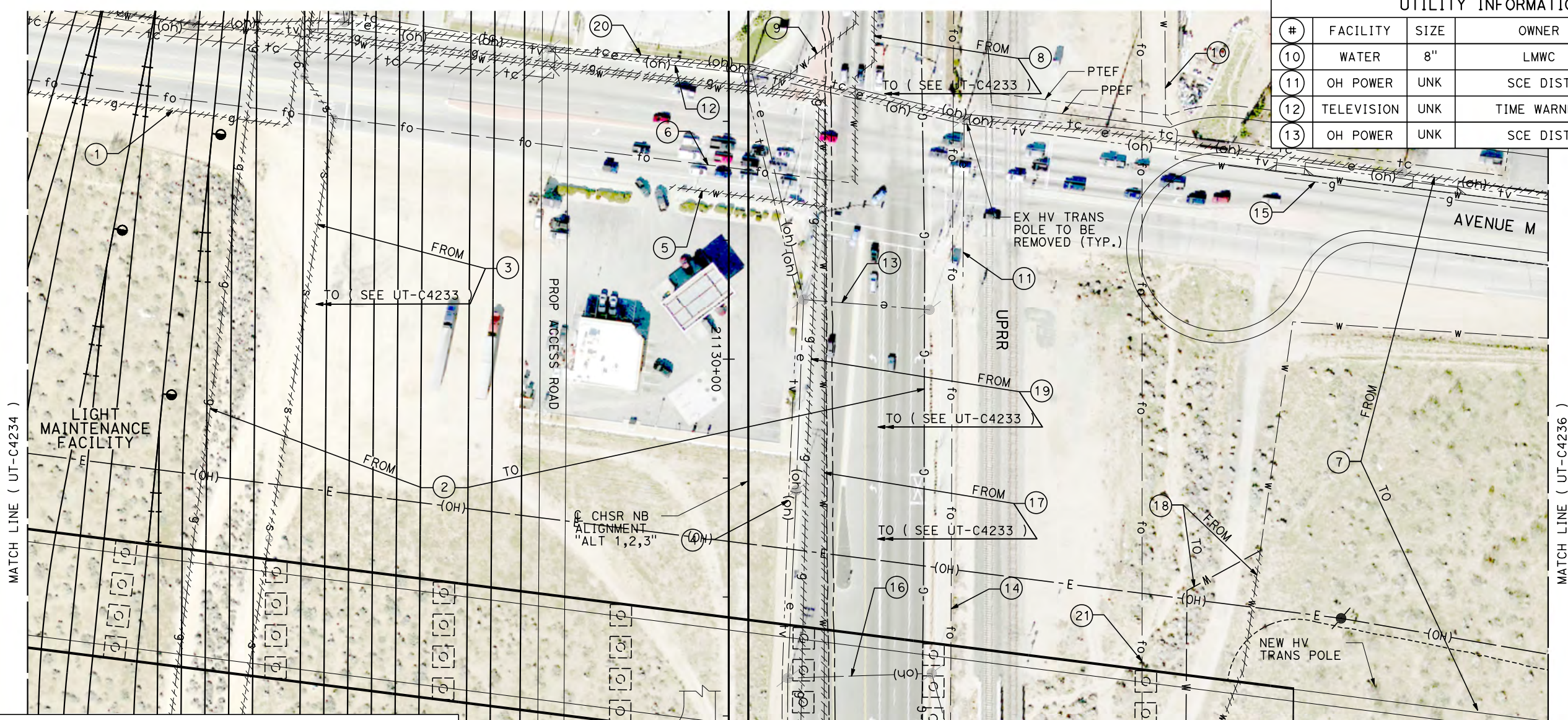
SCALE
AS SHOWN

SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\A1\1\BP-UT-C4235.dgn

OIC: Adodge 11/7/2017 2:33:08 PM

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
10	WATER	8"	LMWC	PROTECT IN PLACE
11	OH POWER	UNK	SCE DIST	RELOCATE
12	TELEVISION	UNK	TIME WARNER	RELOCATE
13	OH POWER	UNK	SCE DIST	RELOCATE



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	6"	SEMPRA DIST	REMOVE
2	NATURAL GAS	10"	SEMPRA DIST	RELOCATE
3	SEWER	15"	LACSD	RELOCATE
4	TELEVISION	UNK	TIME WARNER	RELOCATE
5	WATER	12"	LACDPW-WW	REMOVE
6	FIBER OPTIC	UNK	CITY OF PALMDALE	RELOCATE
7	OH POWER	69kV	SCE TRANS	RELOCATE
8	REC WATER	24"	CITY OF LANCASTER	RELOCATE
9	WATER	12"	LACDPW-WW	REMOVE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
14	FIBER OPTIC	UNK	LEVEL 3	RELOCATE
15	NATURAL GAS	1"	SEMPRA DIST	PROTECT IN PLACE
16	OH POWER	12kV	SCE DIST	RELOCATE
17	WATER	12"	LACDPW-WW	RELOCATE
18	WATER	30"	AEWSD	RELOCATE
19	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
20	OH TELECOM	UNK	VERIZON	RELOCATE
21	FIBER OPTIC	UNK	AT&T TRANS	RELOCATE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

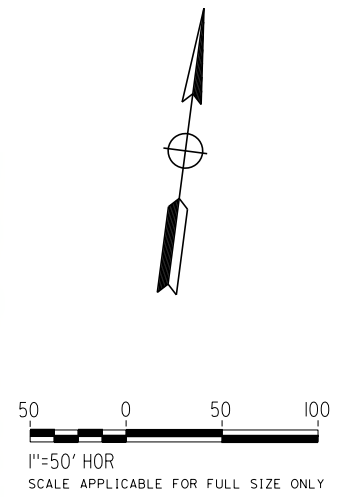
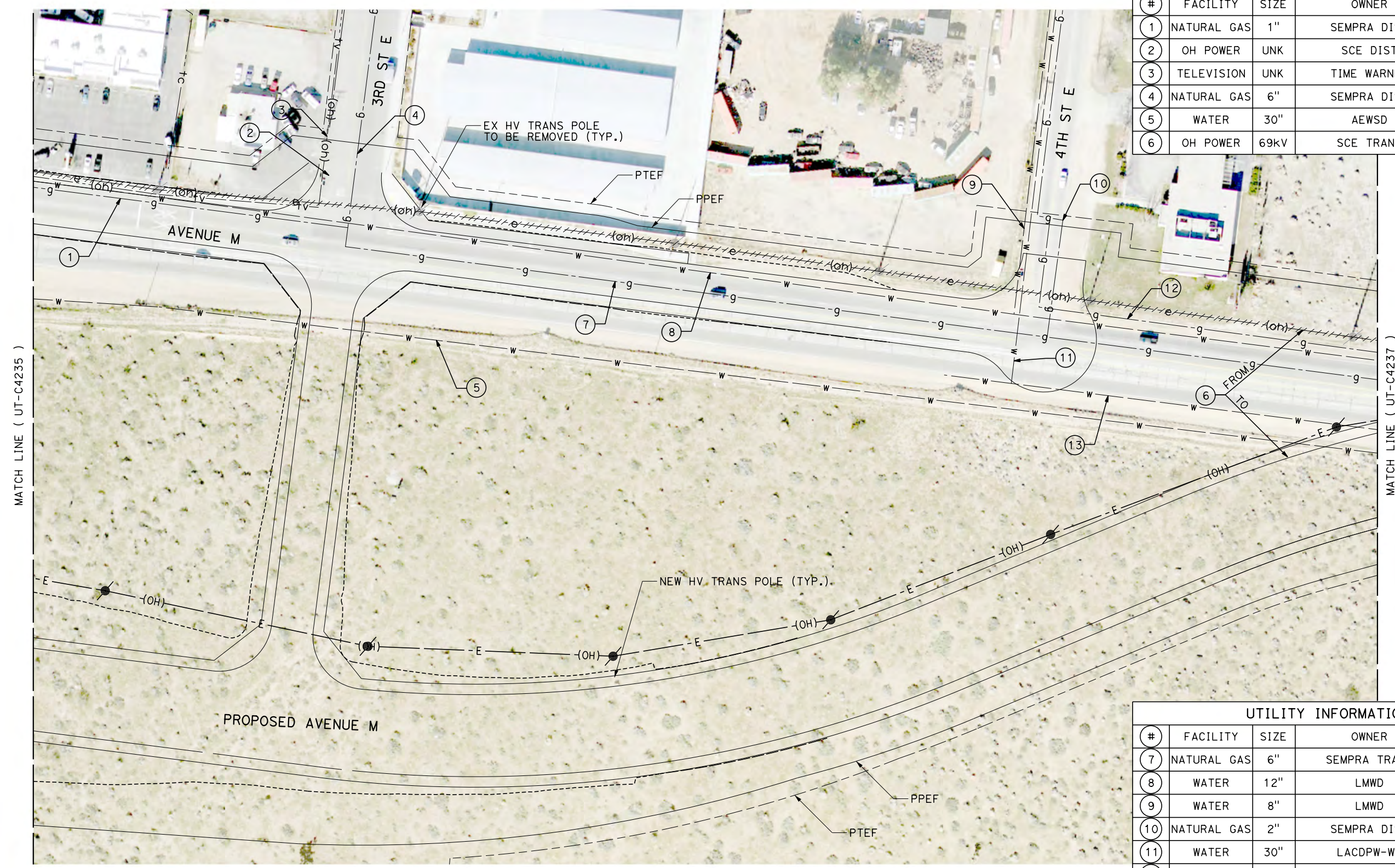
ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21110+00 TO 21135+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4235
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\A1\1\BP-UT-C4236.dgn

OIC: Adodge 11/7/2017 2:34:03 PM

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	1"	SEMPRA DIST	PROTECT IN PLACE
2	OH POWER	UNK	SCE DIST	PROTECT IN PLACE
3	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
4	NATURAL GAS	6"	SEMPRA DIST	PROTECT IN PLACE
5	WATER	30"	AEWSD	PROTECT IN PLACE
6	OH POWER	69KV	SCE TRANS	RELOCATE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
7	NATURAL GAS	6"	SEMPRA TRANS	PROTECT IN PLACE
8	WATER	12"	LMWD	PROTECT IN PLACE
9	WATER	8"	LMWD	PROTECT IN PLACE
10	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
11	WATER	30"	LACDPW-WW	PROTECT IN PLACE
12	NATURAL GAS	4"	SEMPRA DIST	PROTECT IN PLACE
13	WATER	30"	LACDPW-WW	PROTECT IN PLACE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

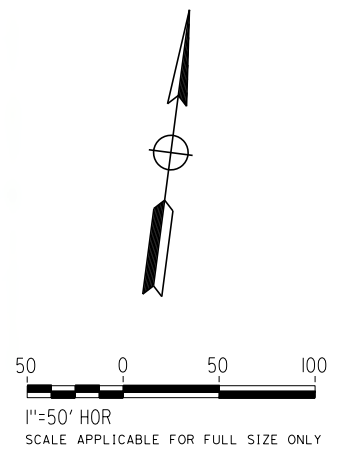
ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21110+00 TO 21135+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4236
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\A1\1_NBP-UT-C4237.dgn

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	8"	LMWC	PROTECT IN PLACE
2	OH POWER	69Kv	SCE TRANS	RELOCATE
3	WATER	12"	LMWC	PROTECT IN PLACE
4	WATER	24"	LACDPW-WW	PROTECT IN PLACE
5	WATER	30"	AVESD	PROTECT IN PLACE
6	NATURAL GAS	6"	SEMPRA TRANS	PROTECT IN PLACE
7	NATURAL GAS	4"	SEMPRA DIST	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
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10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

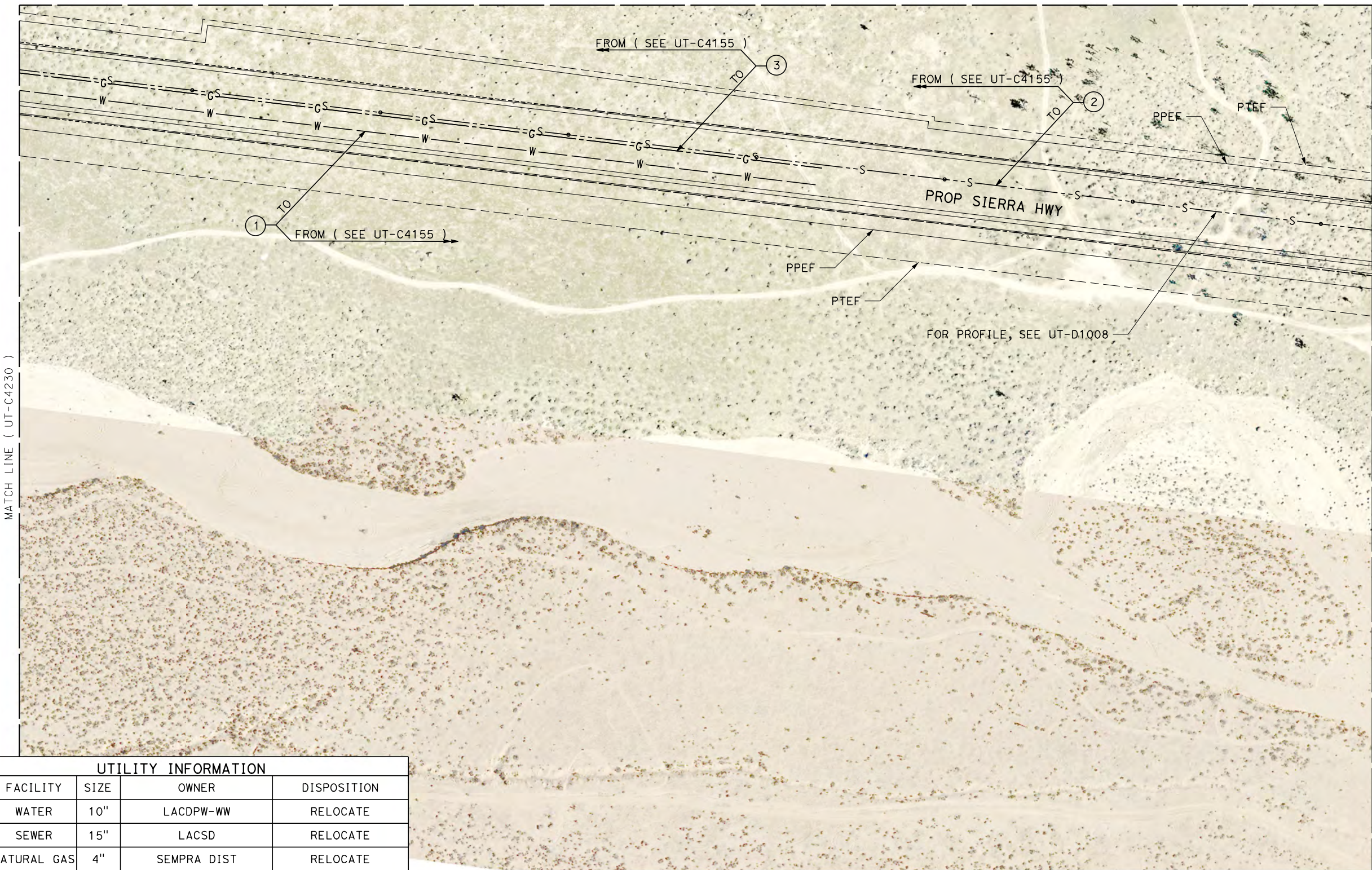
ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21110+00 TO 21135+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4237
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4238.dgn

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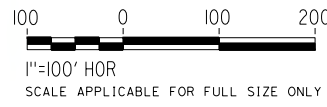
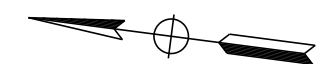
MATCH LINE (UT-C4239)



MATCH LINE (UT-C4230)

MATCH LINE (UT-C4240)

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	10"	LACDPW-WW	RELOCATE
2	SEWER	15"	LACSD	RELOCATE
3	NATURAL GAS	4"	SEMPRA DIST	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
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H. TU
CHECKED BY
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IN CHARGE
S. SMITH
DATE
10/31/2017

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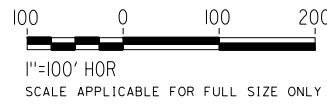
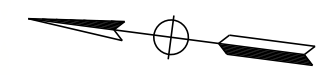
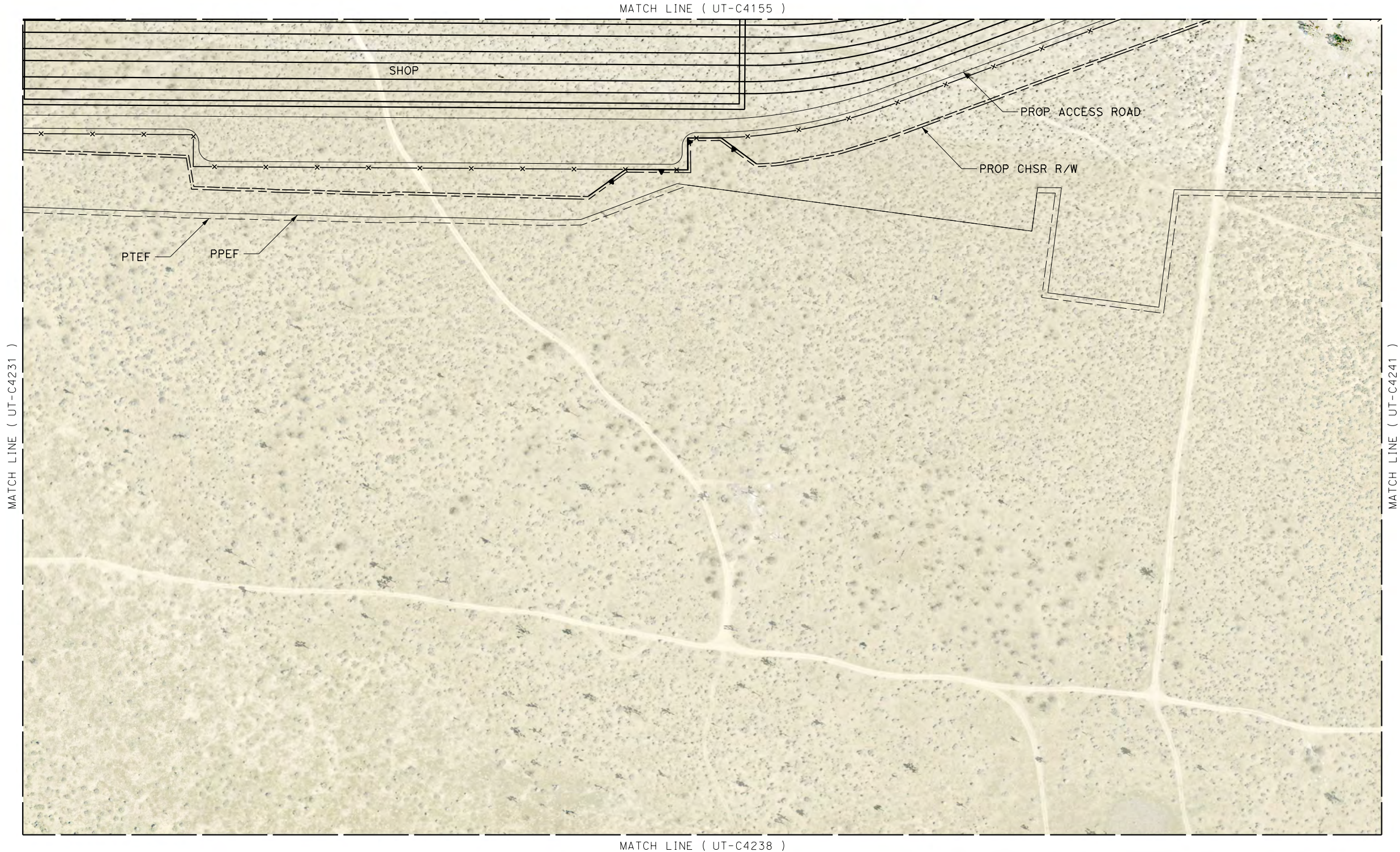
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21135+00 TO 21160+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4238
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4239.dgn

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D. ARUTA
IN CHARGE
S. SMITH
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10/31/2017

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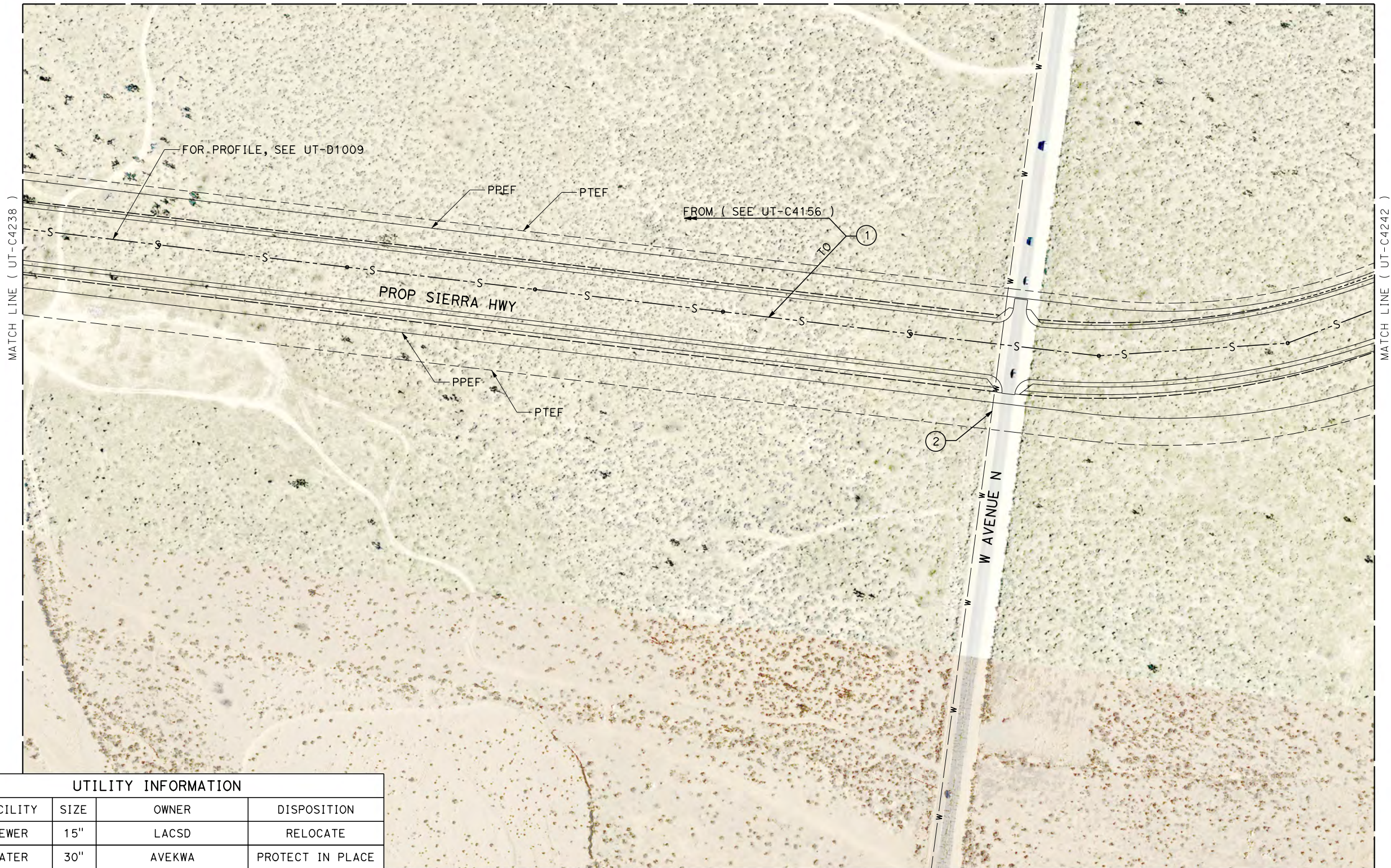


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21135+00 TO 21160+00

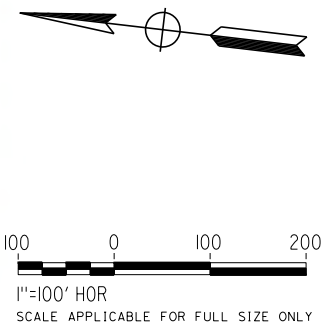
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4239
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4241)



UTILITY INFORMATION

#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	15"	LACSD	RELOCATE
2	WATER	30"	AVEKWA	PROTECT IN PLACE



Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4240.dgn

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REV	DATE	BY	CHK	APP	DESCRIPTION

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D. CONYERS
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10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21160+00 TO 21185+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4240
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4241.dgn

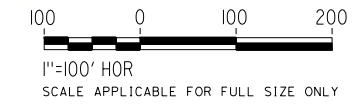
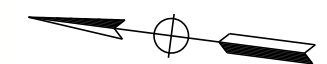
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MATCH LINE (UT-C4156)



MATCH LINE (UT-C4240)

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE
2	SEWER	15"	LACSD	RELOCATE
3	WATER	30"	AVEKWA	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
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H. TU
CHECKED BY
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IN CHARGE
S. SMITH
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10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

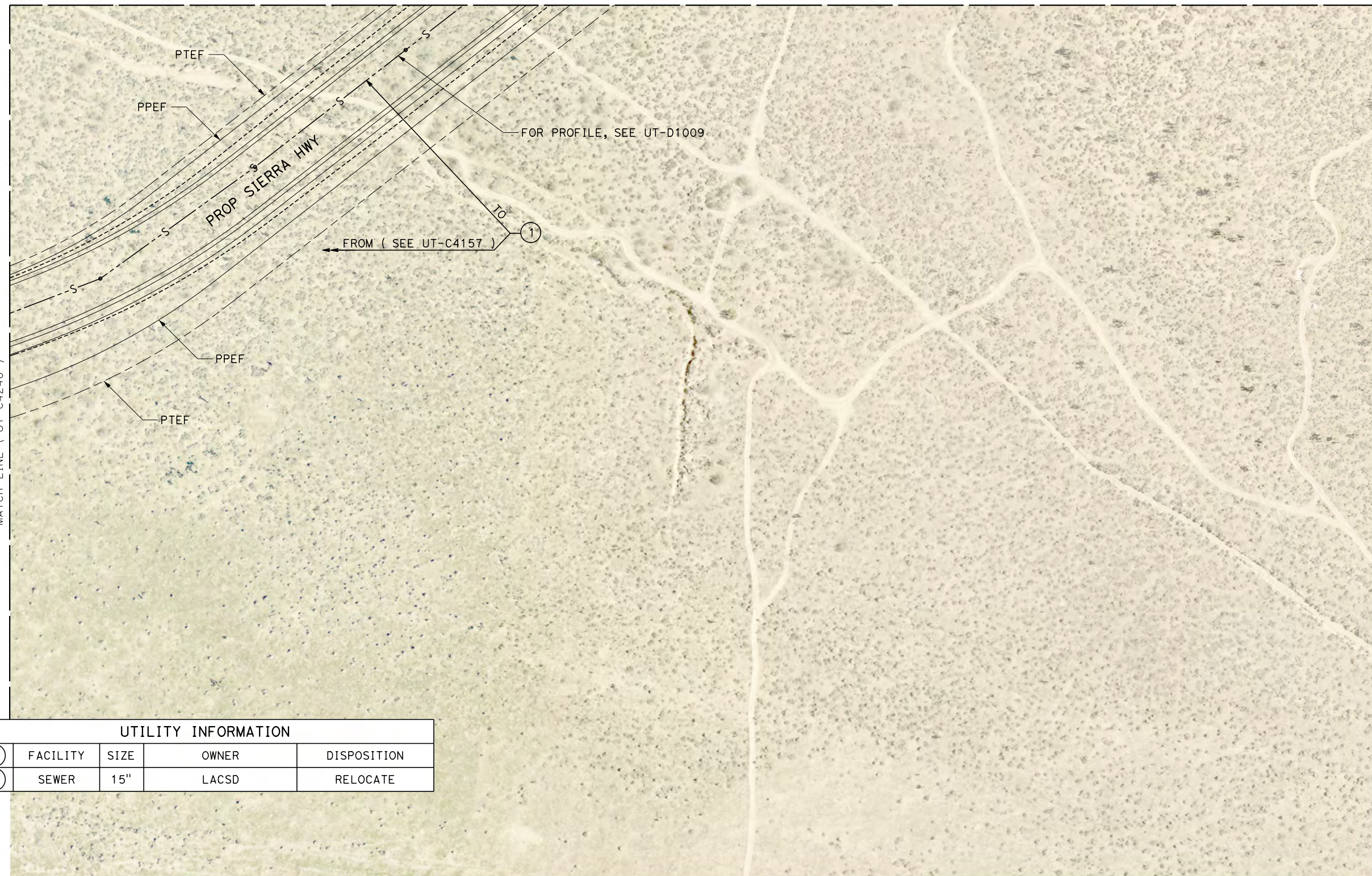
ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21160+00 TO 21185+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4241
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4242.dgn

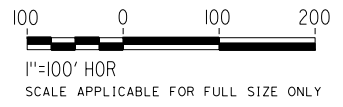
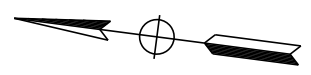
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MATCH LINE (UT-C4243)



MATCH LINE (UT-C4240)

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	15"	LACSD	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



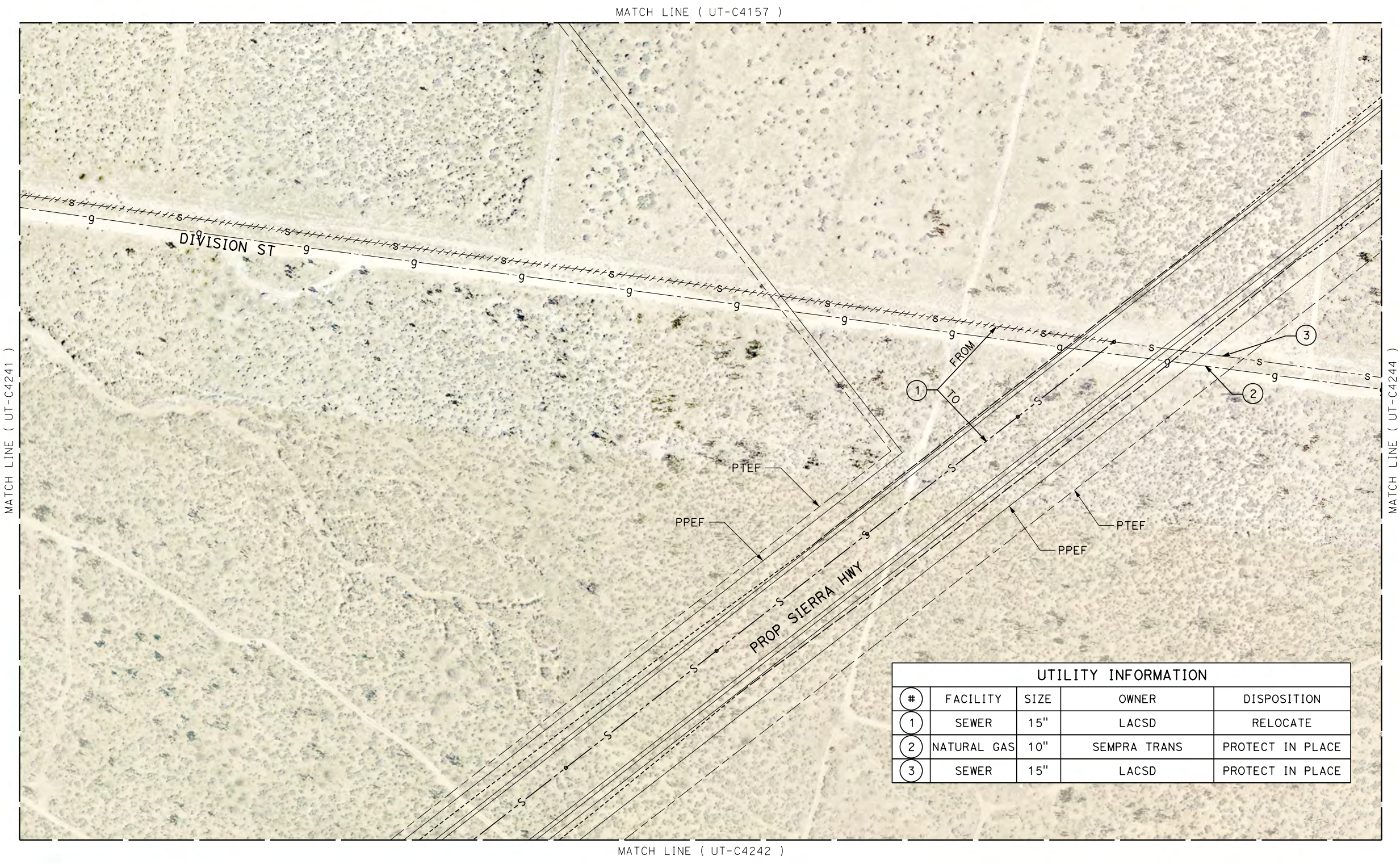
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21185+00 TO 21210+00

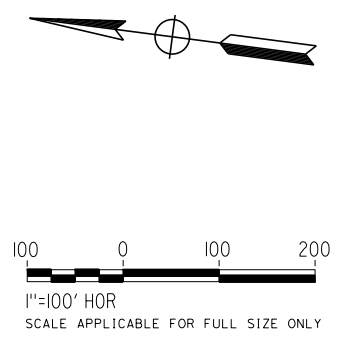
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4242
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\UT\AI\1\BP-UT-C4243.dgn

OIC: Adodge 11/7/2017 3:40:46 PM



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	15"	LACSD	RELOCATE
2	NATURAL GAS	10"	SEMPRA TRANS	PROTECT IN PLACE
3	SEWER	15"	LACSD	PROTECT IN PLACE

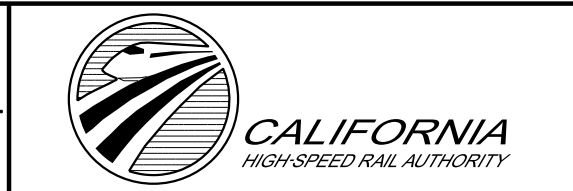


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

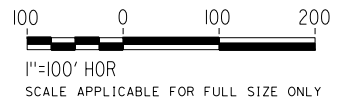
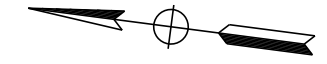
ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21185+00 TO 21210+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4243
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4244.dgn

OIC:ADodge 11/7/2017 2:38:53 PM

MATCH LINE (UT-C4158)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
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IN CHARGE
S. SMITH
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10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

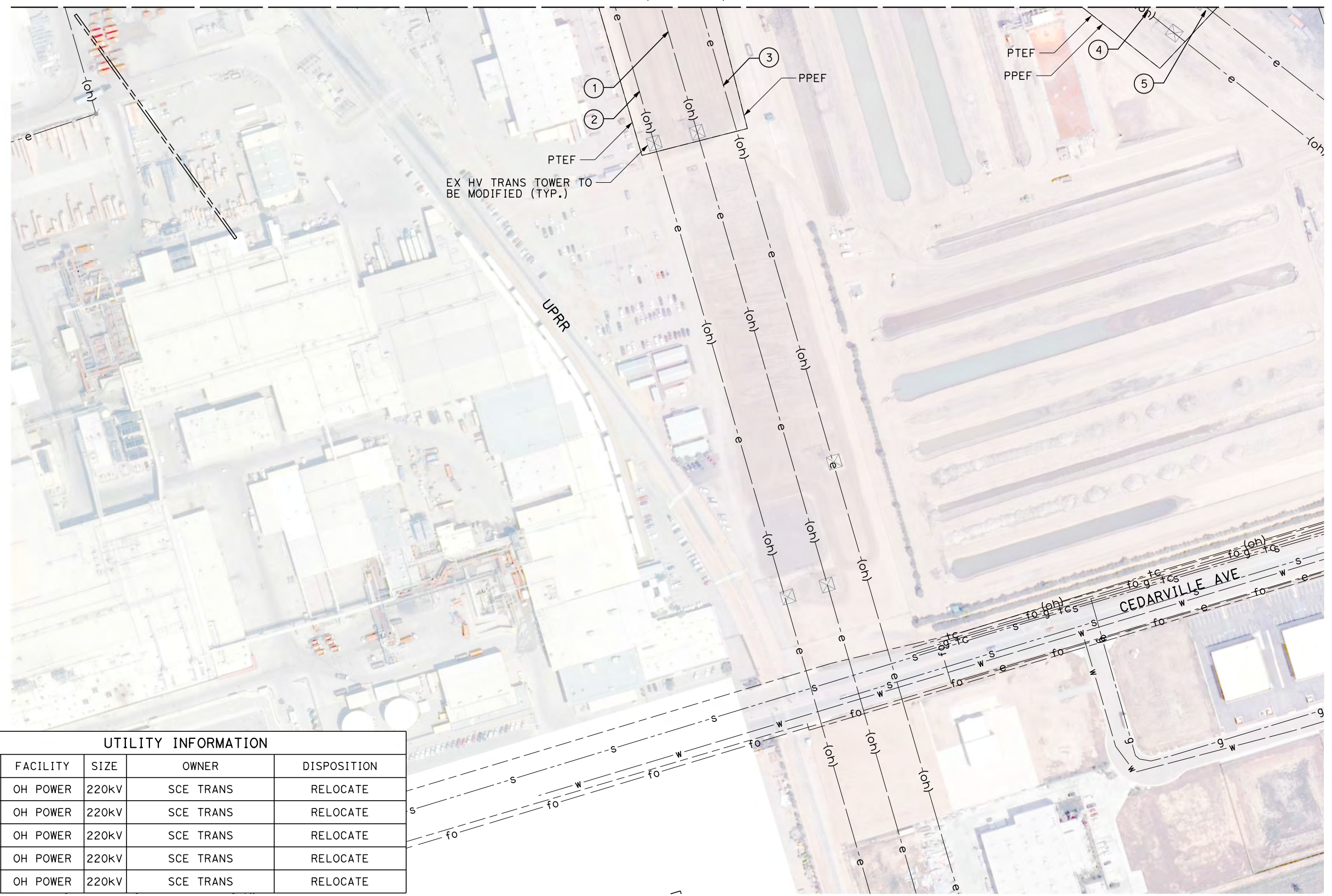
ALTERNATIVE 1,2,3
COMPOSITE UTILITY PLAN
STA 21210+00 TO 21235+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4244
SCALE
AS SHOWN
SHEET NO.

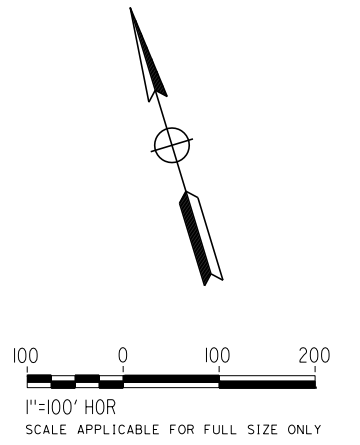
Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4251.dgn

OIC:ADodge 11/7/2017 2:54:48 PM

MATCH LINE (UT-C4004)



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	220kV	SCE TRANS	RELOCATE
2	OH POWER	220kV	SCE TRANS	RELOCATE
3	OH POWER	220kV	SCE TRANS	RELOCATE
4	OH POWER	220kV	SCE TRANS	RELOCATE
5	OH POWER	220kV	SCE TRANS	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

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D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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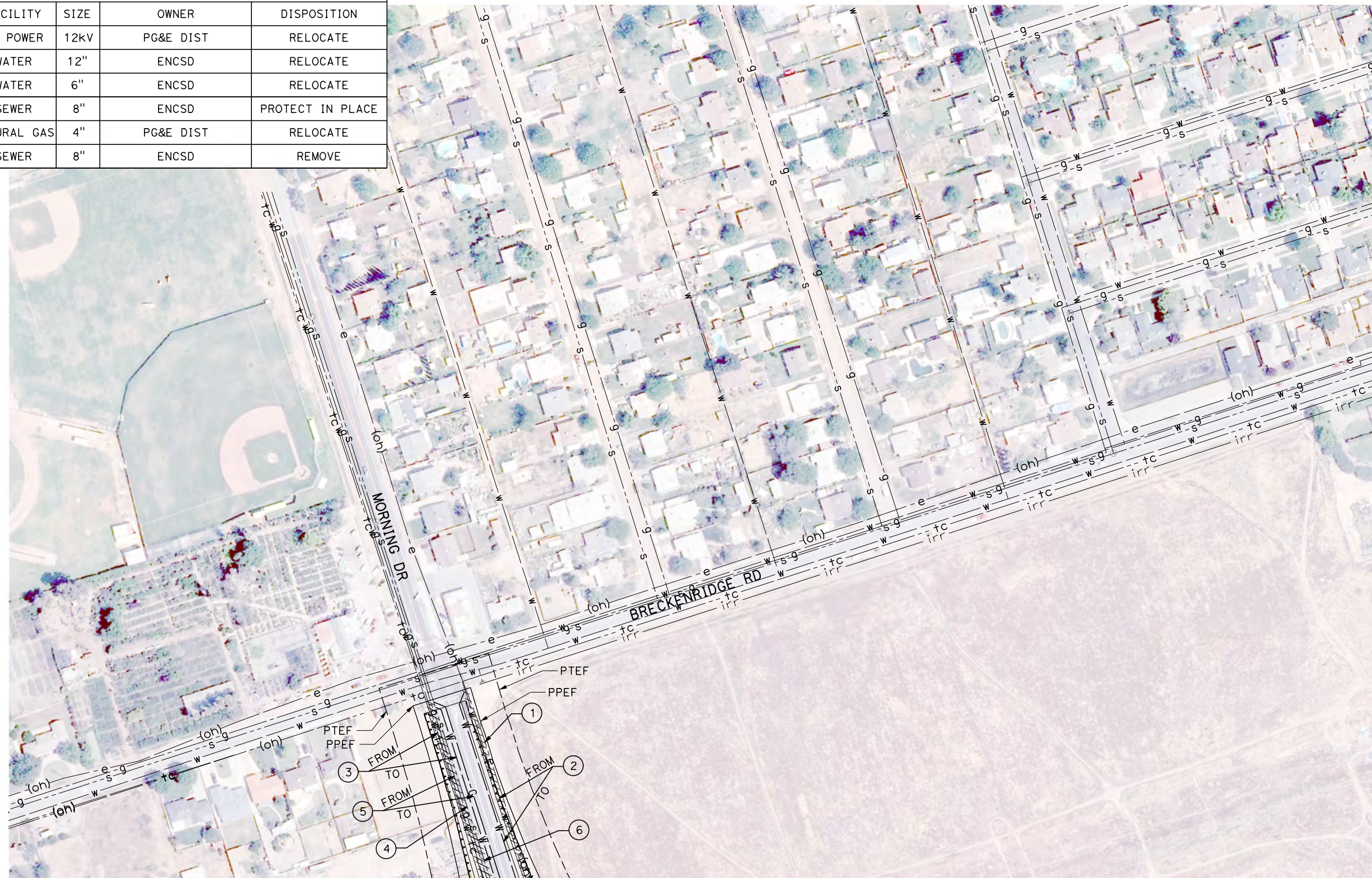


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

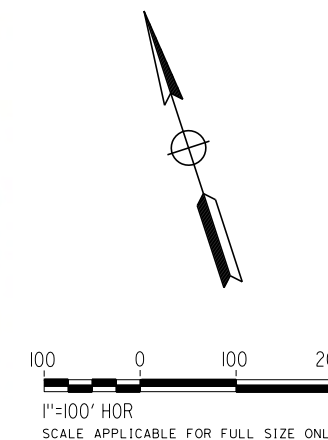
ALTERNATIVE 1,3,5
COMPOSITE UTILITY PLAN
STA 17360+00 TO 17385+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4251
SCALE
AS SHOWN
SHEET NO.

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12kV	PG&E DIST	RELOCATE
2	WATER	12"	ENCSD	RELOCATE
3	WATER	6"	ENCSD	RELOCATE
4	SEWER	8"	ENCSD	PROTECT IN PLACE
5	NATURAL GAS	4"	PG&E DIST	RELOCATE
6	SEWER	8"	ENCSD	REMOVE



MATCH LINE (UT-C4005)



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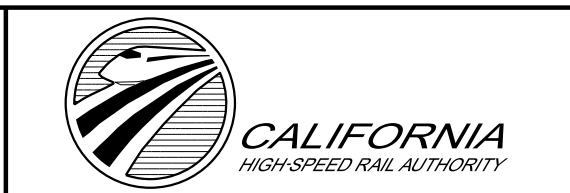
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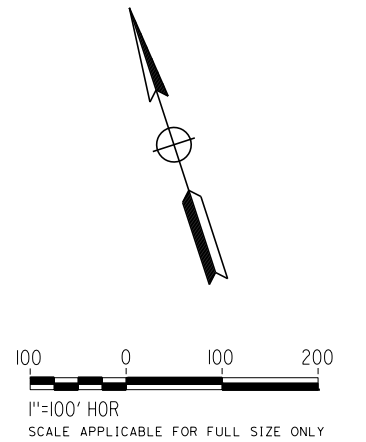
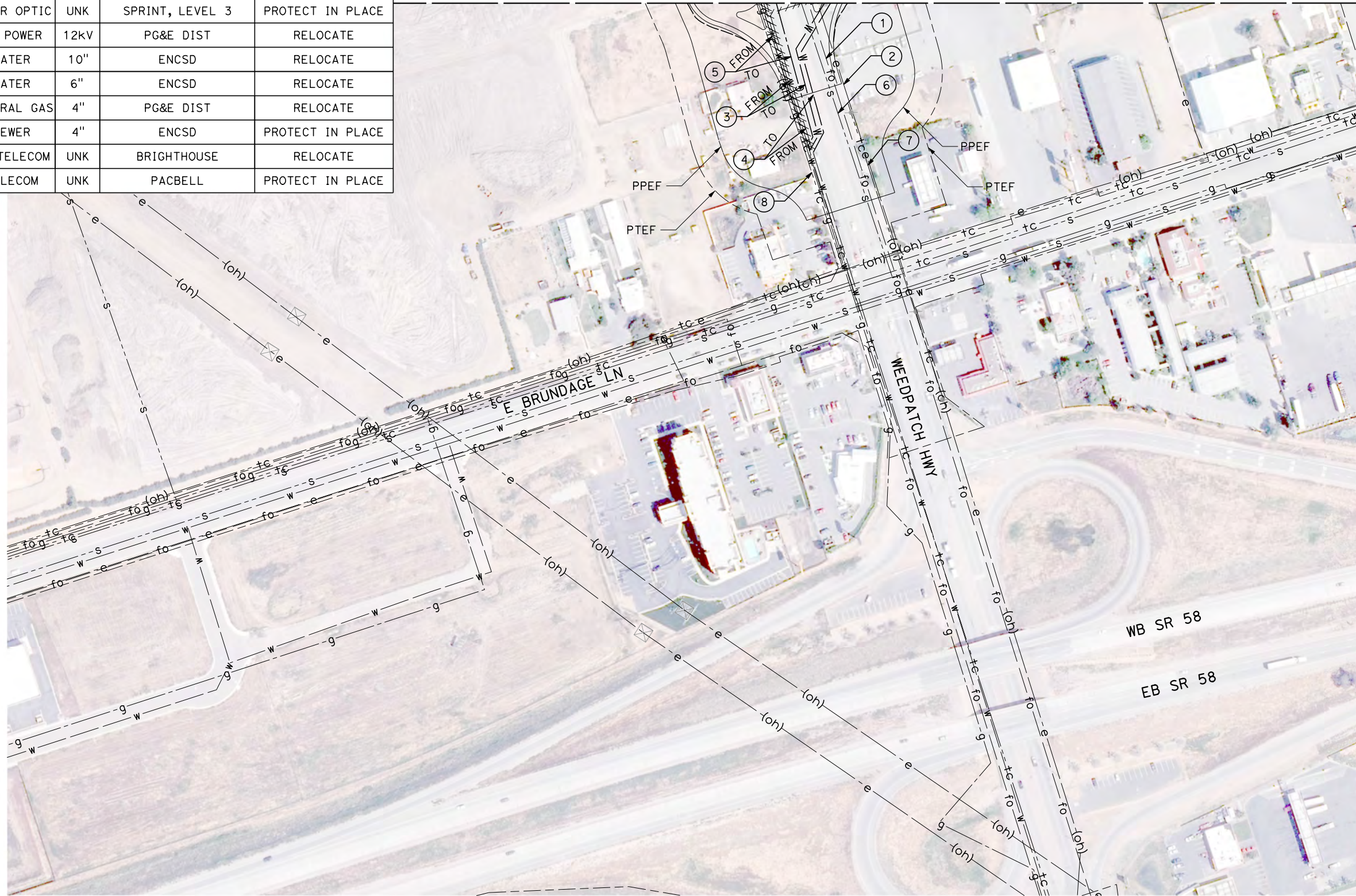
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
COMPOSITE UTILITY PLAN
STA 17385+00 TO 17410+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4252
SCALE
AS SHOWN
SHEET NO.

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	SPRINT, LEVEL 3	PROTECT IN PLACE
2	OH POWER	12KV	PG&E DIST	RELOCATE
3	WATER	10"	ENCSD	RELOCATE
4	WATER	6"	ENCSD	RELOCATE
5	NATURAL GAS	4"	PG&E DIST	RELOCATE
6	SEWER	4"	ENCSD	PROTECT IN PLACE
7	OH TELECOM	UNK	BRIGHTHOUSE	RELOCATE
8	TELECOM	UNK	PACBELL	PROTECT IN PLACE

MATCH LINE (UT-C4005)



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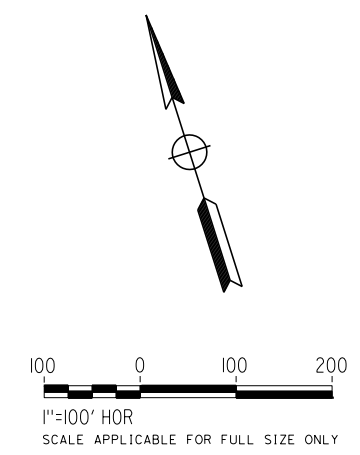
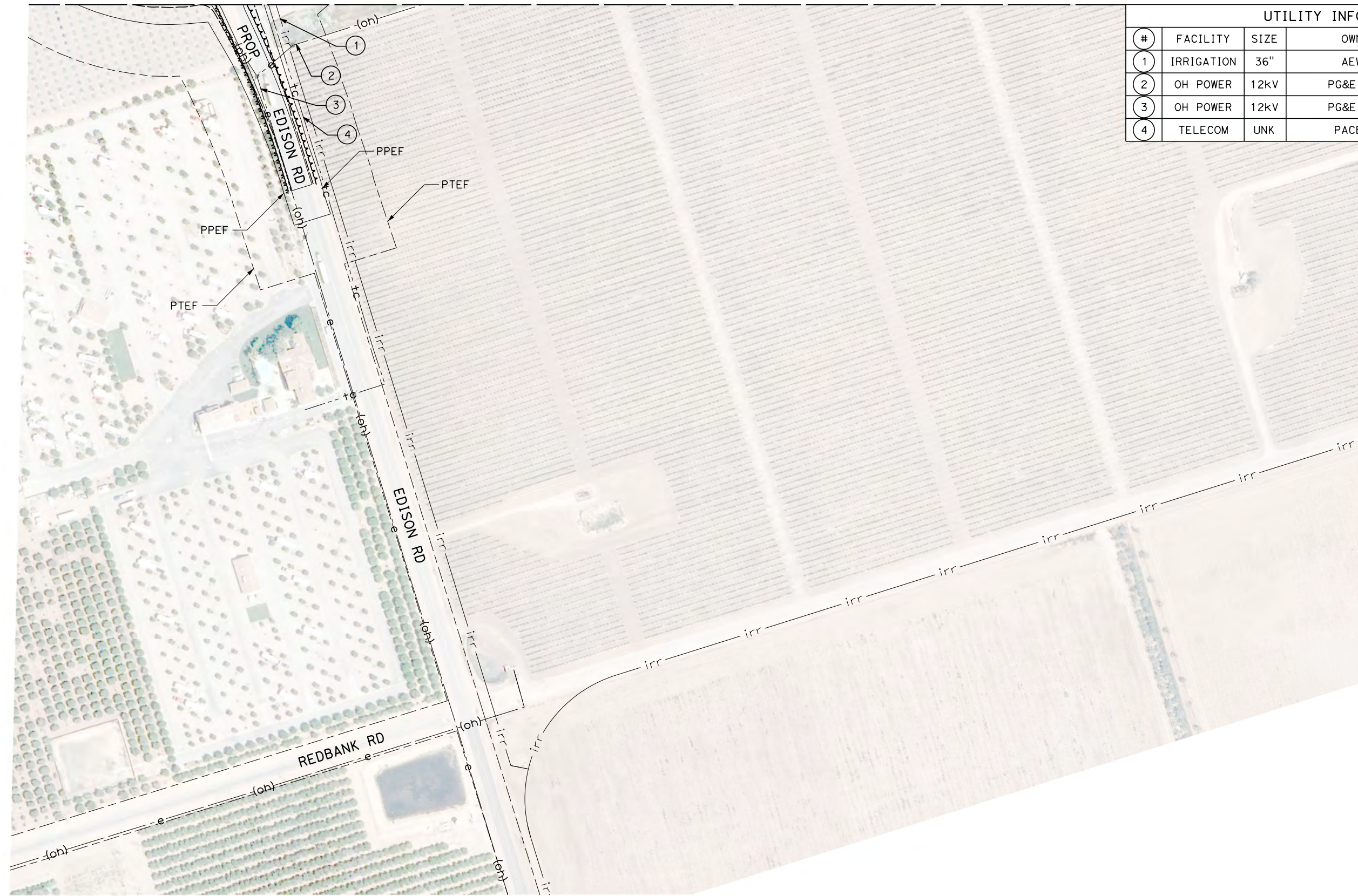
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
COMPOSITE UTILITY PLAN
STA 17385+00 TO 17410+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4253
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4010)

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	IRRIGATION	36"	AEWSD	PROTECT IN PLACE
2	OH POWER	12kV	PG&E DIST	PROTECT IN PLACE
3	OH POWER	12kV	PG&E DIST	PROTECT IN PLACE
4	TELECOM	UNK	PACBELL	PROTECT IN PLACE



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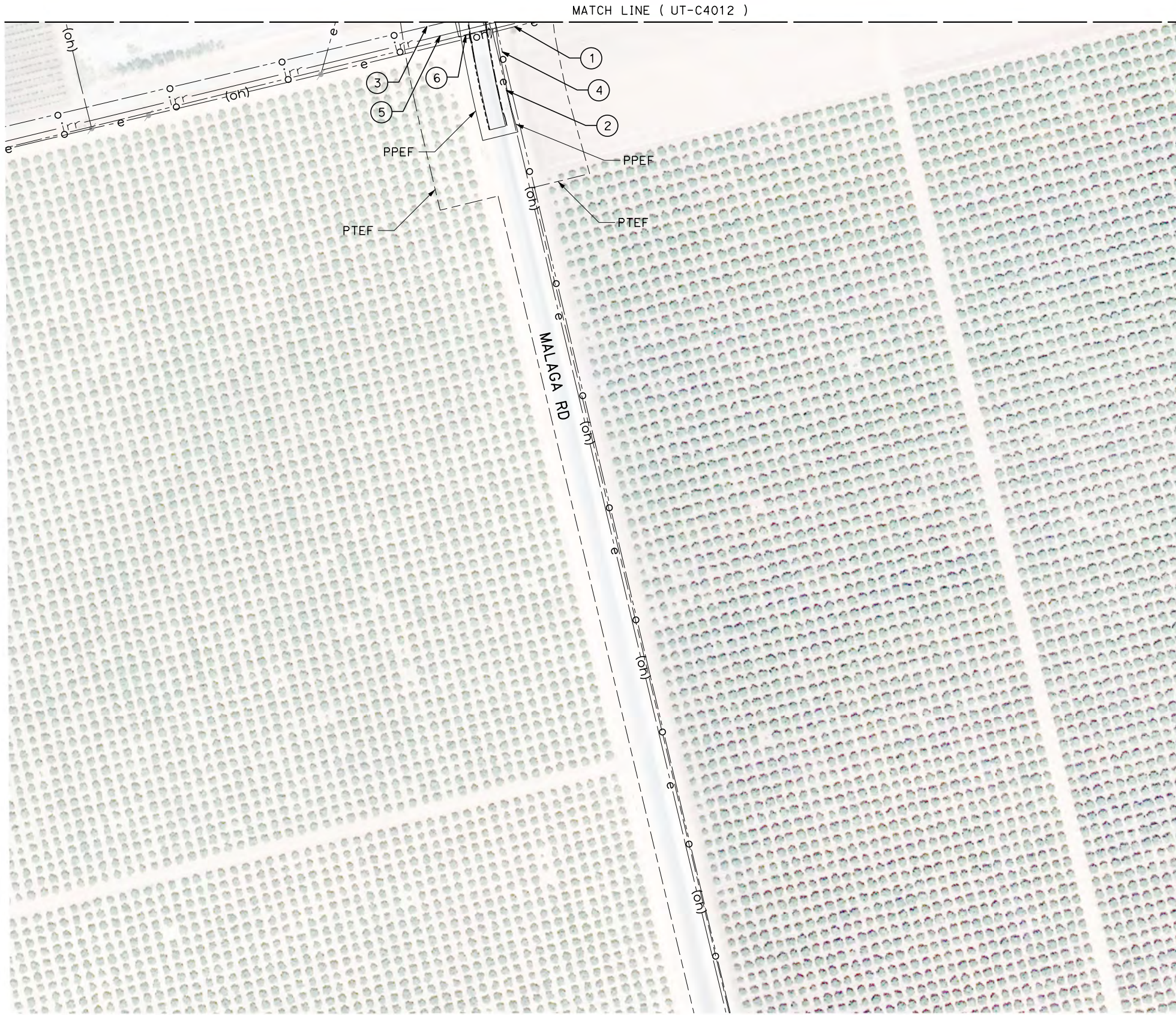
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
COMPOSITE UTILITY PLAN
STA 17510+00 TO 17535+00

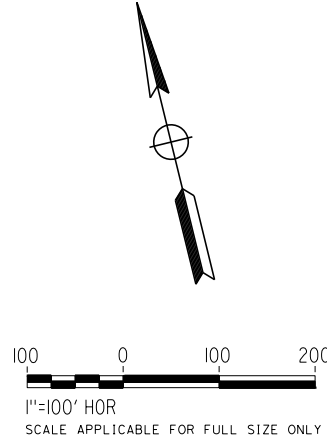
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4254
SCALE
AS SHOWN
SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12KV	PG&E DIST	PROTECT IN PLACE
2	OH POWER	12KV	PG&E DIST	PROTECT IN PLACE
3	OIL	4"	KERN OIL	PROTECT IN PLACE
4	OIL	4"	KERN OIL	PROTECT IN PLACE
5	IRRIGATION	45"	AEWSD	PROTECT IN PLACE
6	TELECOM	UNK	PACBELL	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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H. TU

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IN CHARGE
S. SMITH

DATE
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
COMPOSITE UTILITY PLAN
STA 17560+00 TO 17585+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4255

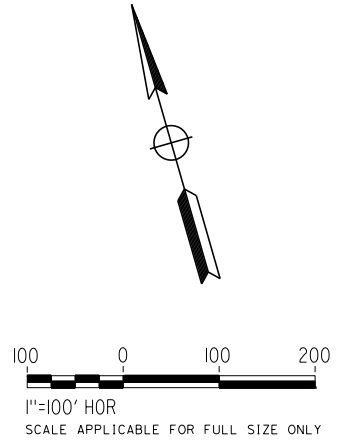
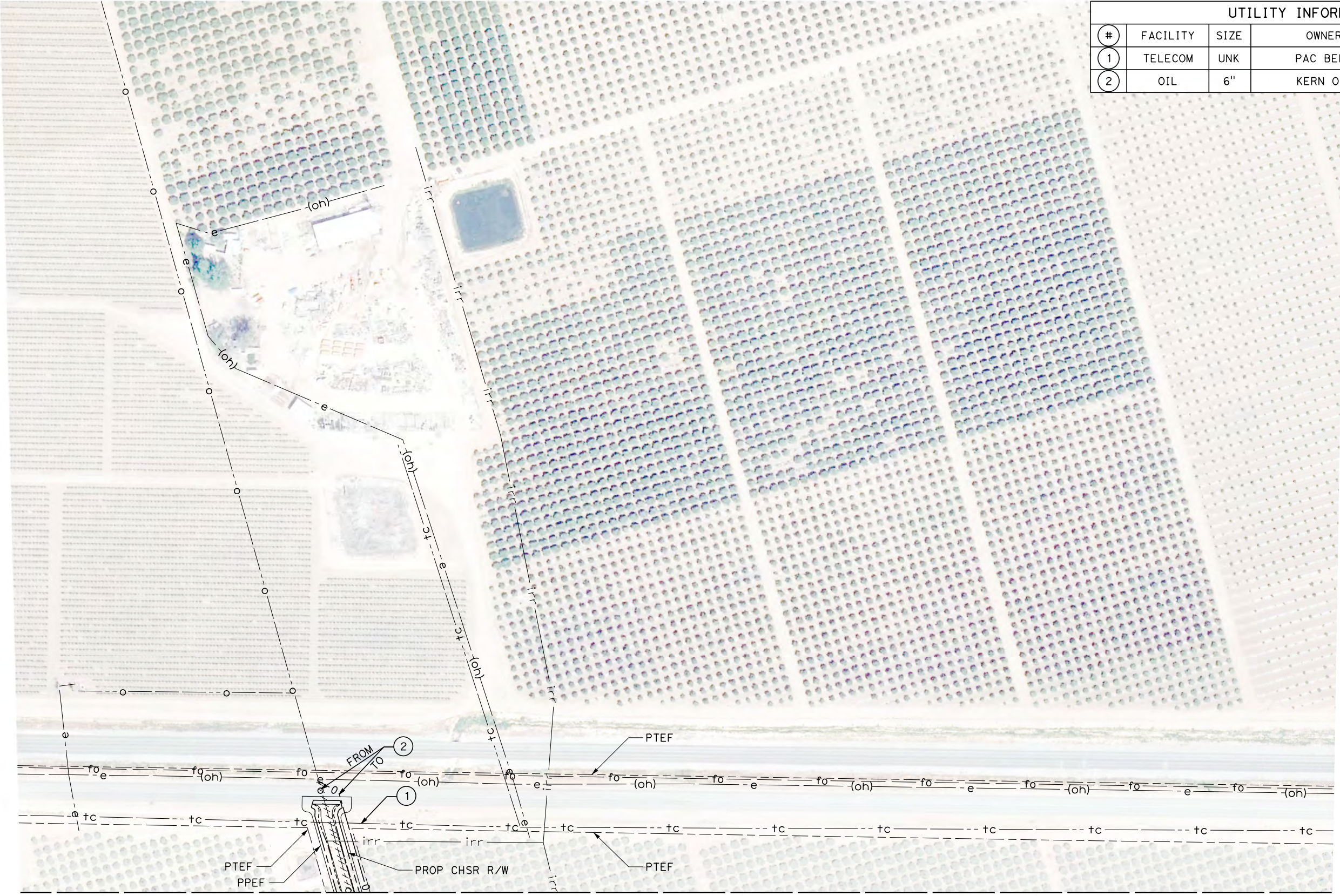
SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4256.dgn

OIC: Adodge 11/7/2017 2:54:38 PM

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	TELECOM	UNK	PAC BELL	PROTECT IN PLACE
2	OIL	6"	KERN OIL	RELOCATE



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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

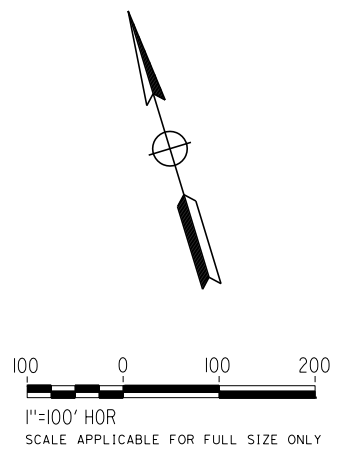
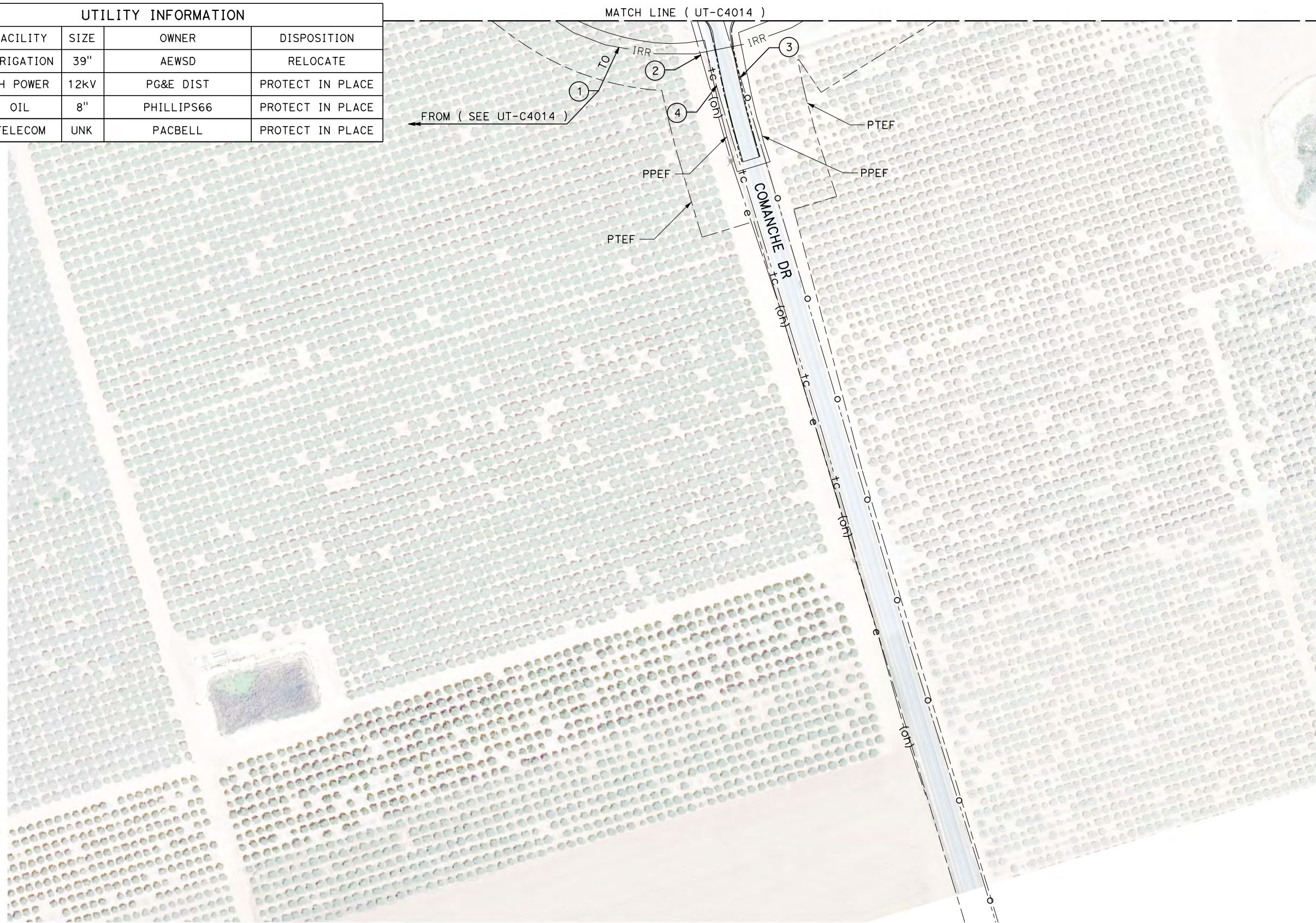
ALTERNATIVE 1,3,5
COMPOSITE UTILITY PLAN
STA 17585+00 TO 17610+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4256
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4257.dgn

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	IRRIGATION	39"	AEWSD	RELOCATE
2	OH POWER	12kV	PG&E DIST	PROTECT IN PLACE
3	OIL	8"	PHILLIPS66	PROTECT IN PLACE
4	TELECOM	UNK	PACBELL	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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H. TU
CHECKED BY
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

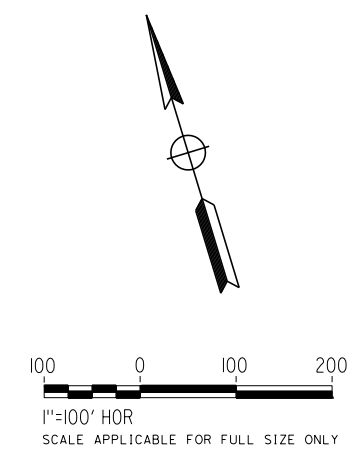
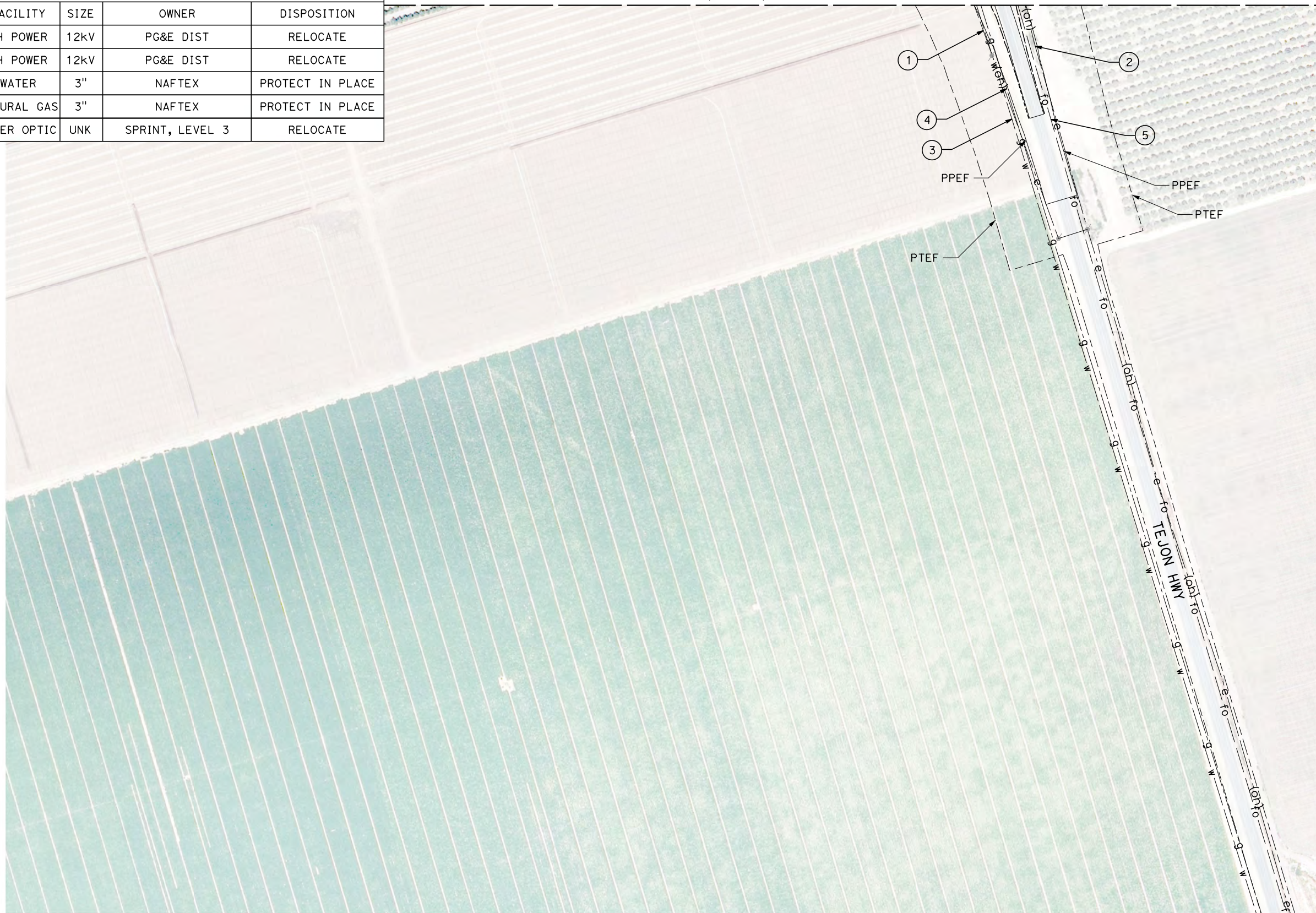
ALTERNATIVE 1,3,5
COMPOSITE UTILITY PLAN
STA 17610+00 TO 17635+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4257
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4258.dgn
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12KV	PG&E DIST	RELOCATE
2	OH POWER	12KV	PG&E DIST	RELOCATE
3	WATER	3"	NAFTEX	PROTECT IN PLACE
4	NATURAL GAS	3"	NAFTEX	PROTECT IN PLACE
5	FIBER OPTIC	UNK	SPRINT, LEVEL 3	RELOCATE

MATCH LINE (C4016)



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H. TU
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10/31/2017

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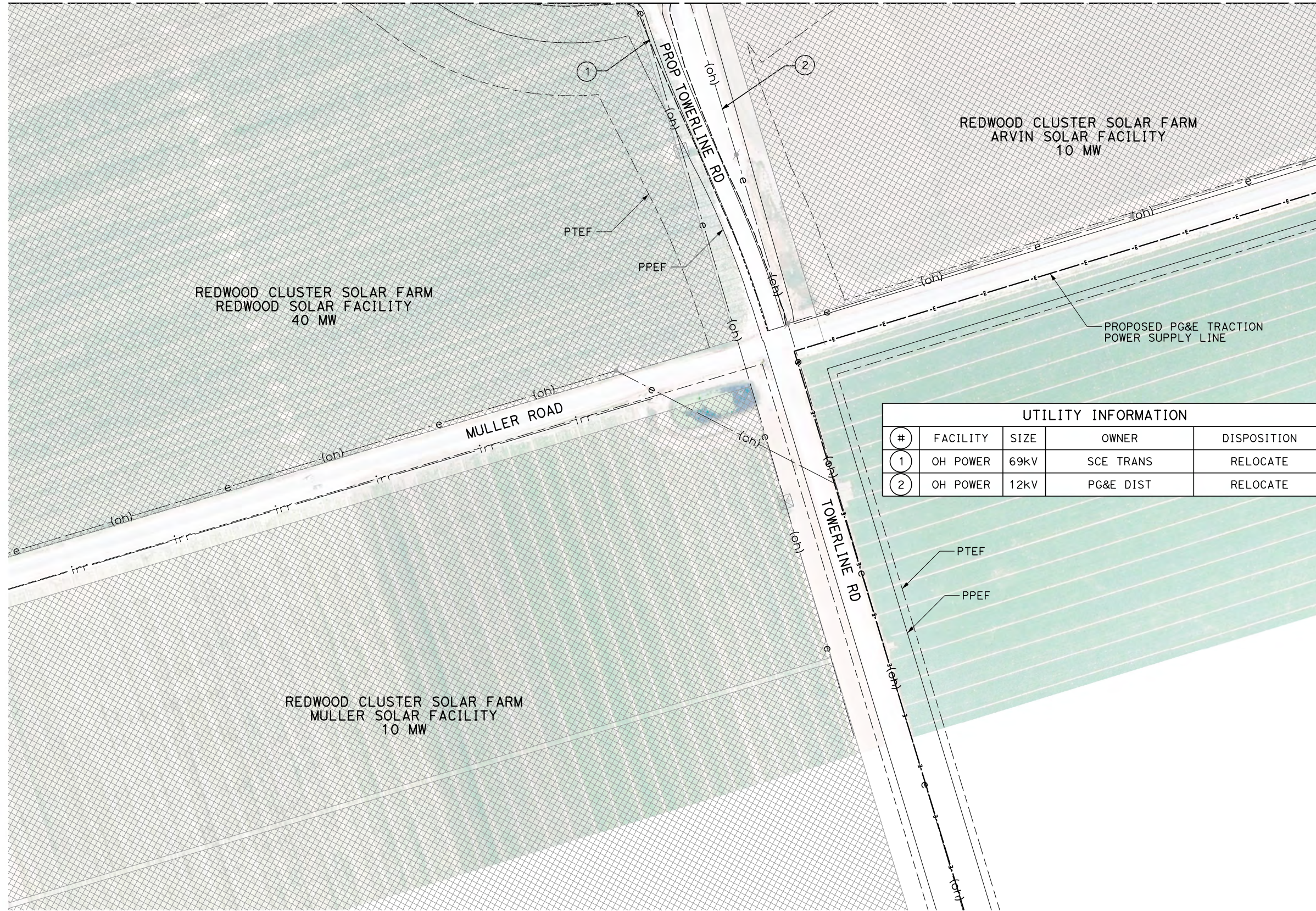
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 1,3,5
 COMPOSITE UTILITY PLAN
 STA 17660+00 TO 17685+00

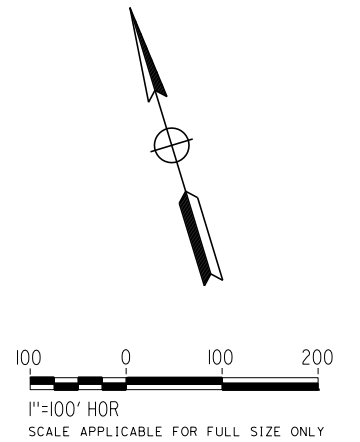
CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4258
 SCALE
AS SHOWN
 SHEET NO.

MATCH LINE (UT-C4018)

MATCH LINE (UT-C4019)



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	69kV	SCE TRANS	RELOCATE
2	OH POWER	12kV	PG&E DIST	RELOCATE



Projects\T01206.00_CHSRBP\00_CADD\Sheet_Files\UT\AI\1\BP-UT-C4259.dgn

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H. TU

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D. ARUTA

IN CHARGE
S. SMITH

DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,3,5
COMPOSITE UTILITY PLAN
STA 17710+00 TO 17735+00

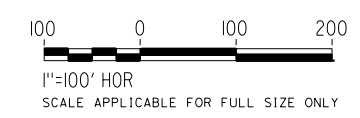
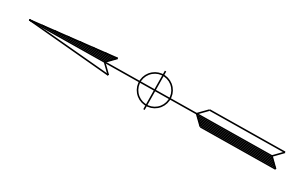
CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4259

SCALE
AS SHOWN

SHEET NO.

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	42"	MOJAVE/KM	RELOCATE
2	NATURAL GAS	30"	EL PASO/KM	RELOCATE
3	POWER	3-35KV	BROOKFIELD	PROTECT IN PLACE



Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4261.dgn

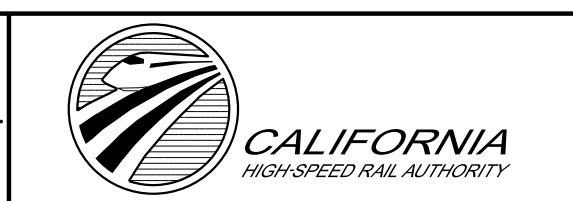
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

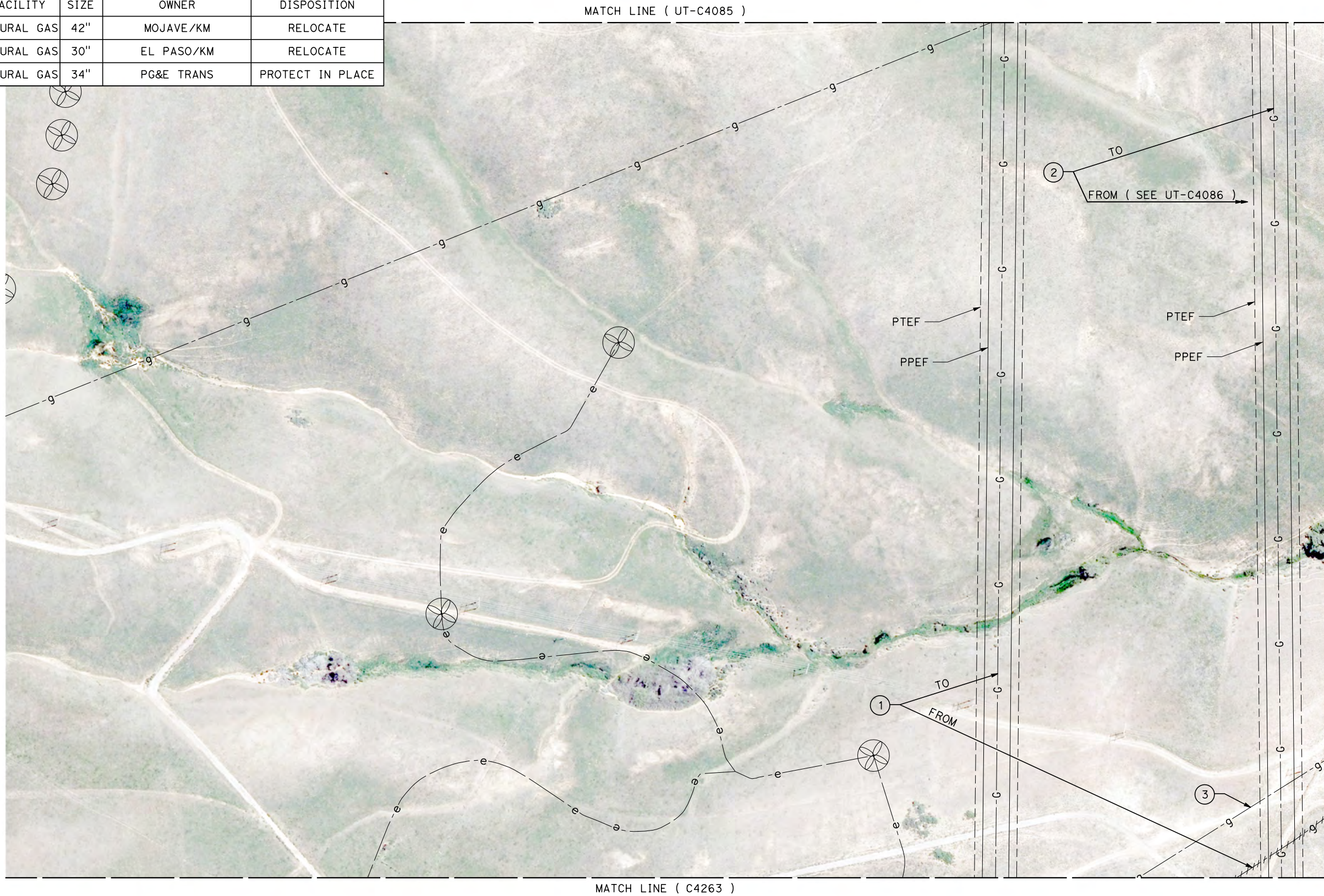
ALTERNATIVE 1,2,5
COMPOSITE UTILITY PLAN
STA 19385+00 TO 19410+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4261
SCALE
AS SHOWN
SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	42"	MOJAVE/KM	RELOCATE
2	NATURAL GAS	30"	EL PASO/KM	RELOCATE
3	NATURAL GAS	34"	PG&E TRANS	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

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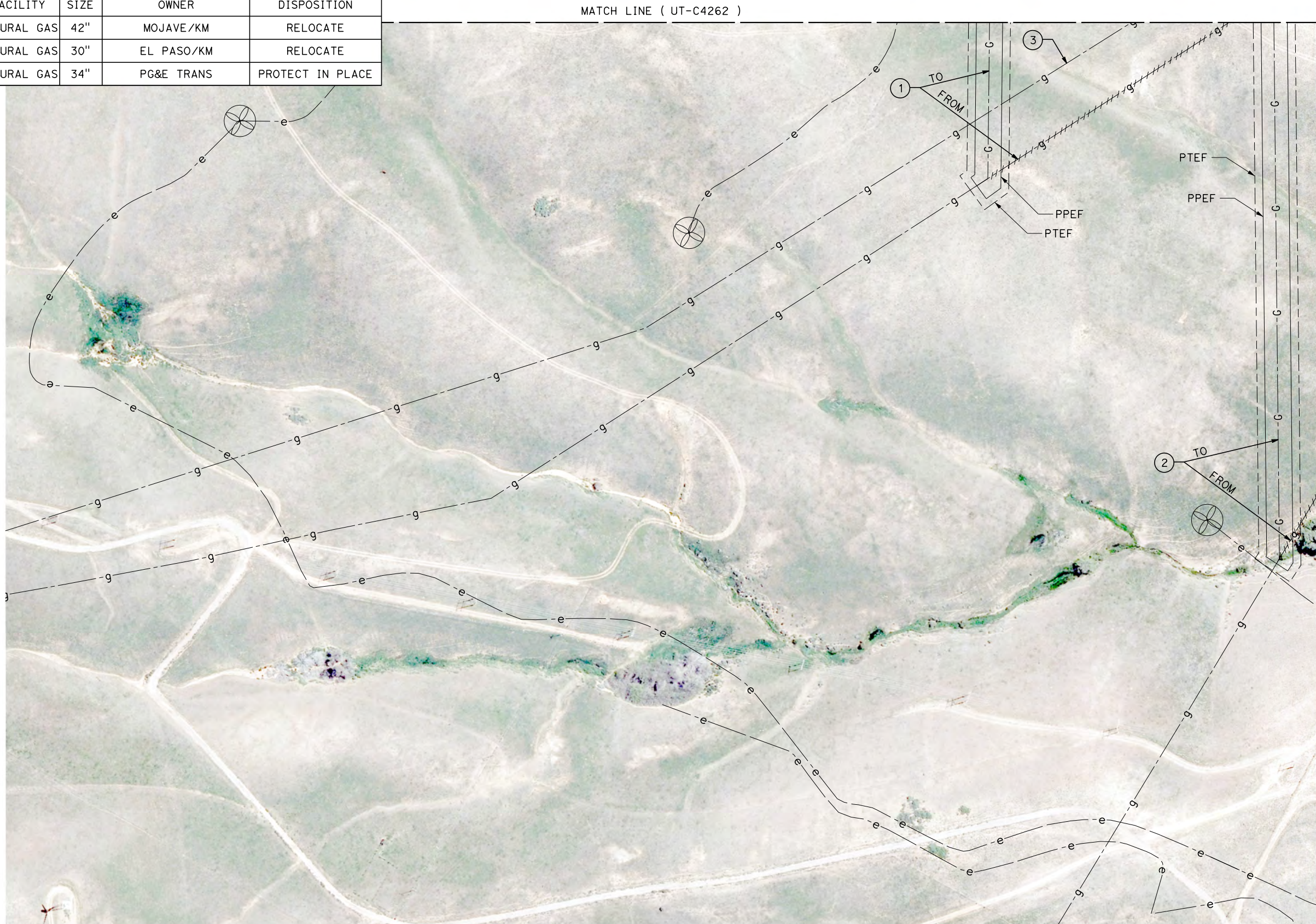
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
COMPOSITE UTILITY PLAN
STA 19385+00 TO 19410+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4262
SCALE
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SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4263.dgn
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	42"	MOJAVE/KM	RELOCATE
2	NATURAL GAS	30"	EL PASO/KM	RELOCATE
3	NATURAL GAS	34"	PG&E TRANS	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

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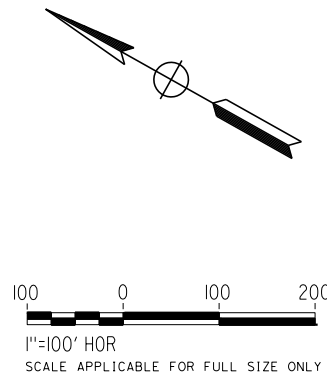


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 1,2,5
 COMPOSITE UTILITY PLAN
 STA 19385+00 TO 19410+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4263
 SCALE
AS SHOWN
 SHEET NO.

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	42"	MOJAVE/KM	RELOCATE
2	NATURAL GAS	30"	EL PASO/KM	RELOCATE
3	NATURAL GAS	34"	PG&E TRANS	RELOCATE



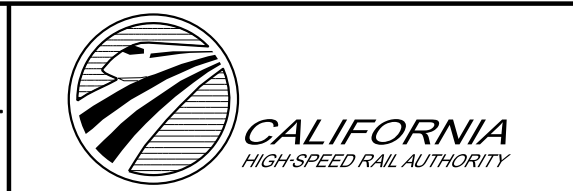
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

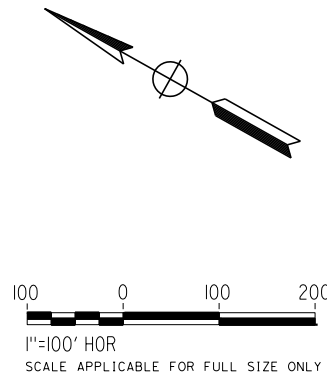
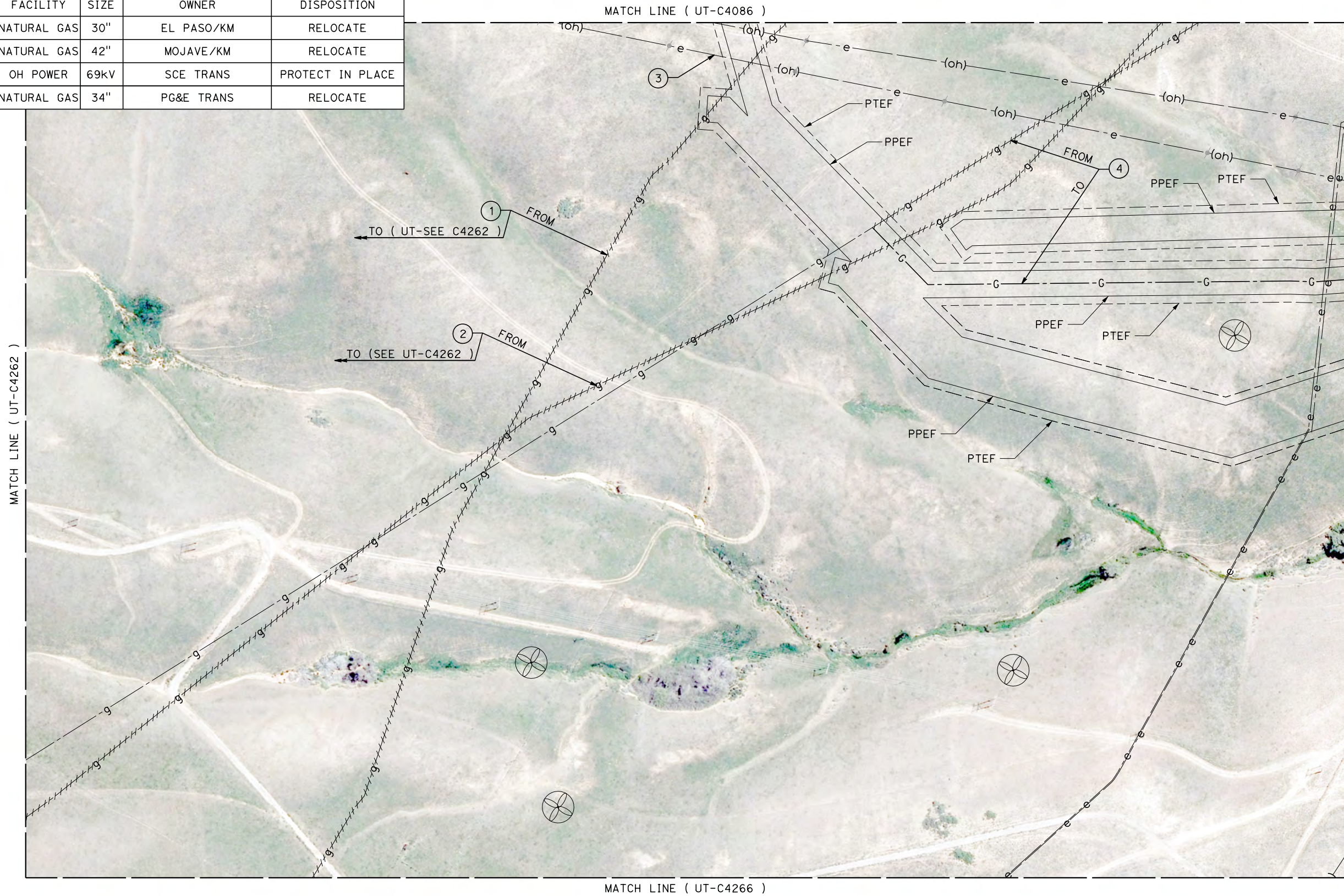
 ALTERNATIVE 1,2,5
 COMPOSITE UTILITY PLAN
 STA 19410+00 TO 19435+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4264
 SCALE
AS SHOWN
 SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	30"	EL PASO/KM	RELOCATE
2	NATURAL GAS	42"	MOJAVE/KM	RELOCATE
3	OH POWER	69KV	SCE TRANS	PROTECT IN PLACE
4	NATURAL GAS	34"	PG&E TRANS	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY
D. ARUTA
IN CHARGE
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10/31/2017

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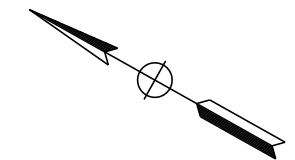
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
COMPOSITE UTILITY PLAN
STA 19410+00 TO 19435+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4265
SCALE
AS SHOWN
SHEET NO.

MATCH LINE (UT-C4265)

MATCH LINE (UT-C4263)



100 0 100 200
 1"=100' HOR
 SCALE APPLICABLE FOR FULL SIZE ONLY

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	30"	EL PASO/KM	RELOCATE

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\A\11\BP-UT-C4266.dgn

OIC: Adodge 11/7/2017 2:51:08 PM

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVE 1,2,5
 COMPOSITE UTILITY PLAN
 STA 19410+00 TO 19435+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4266

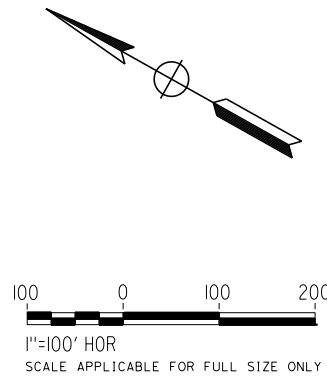
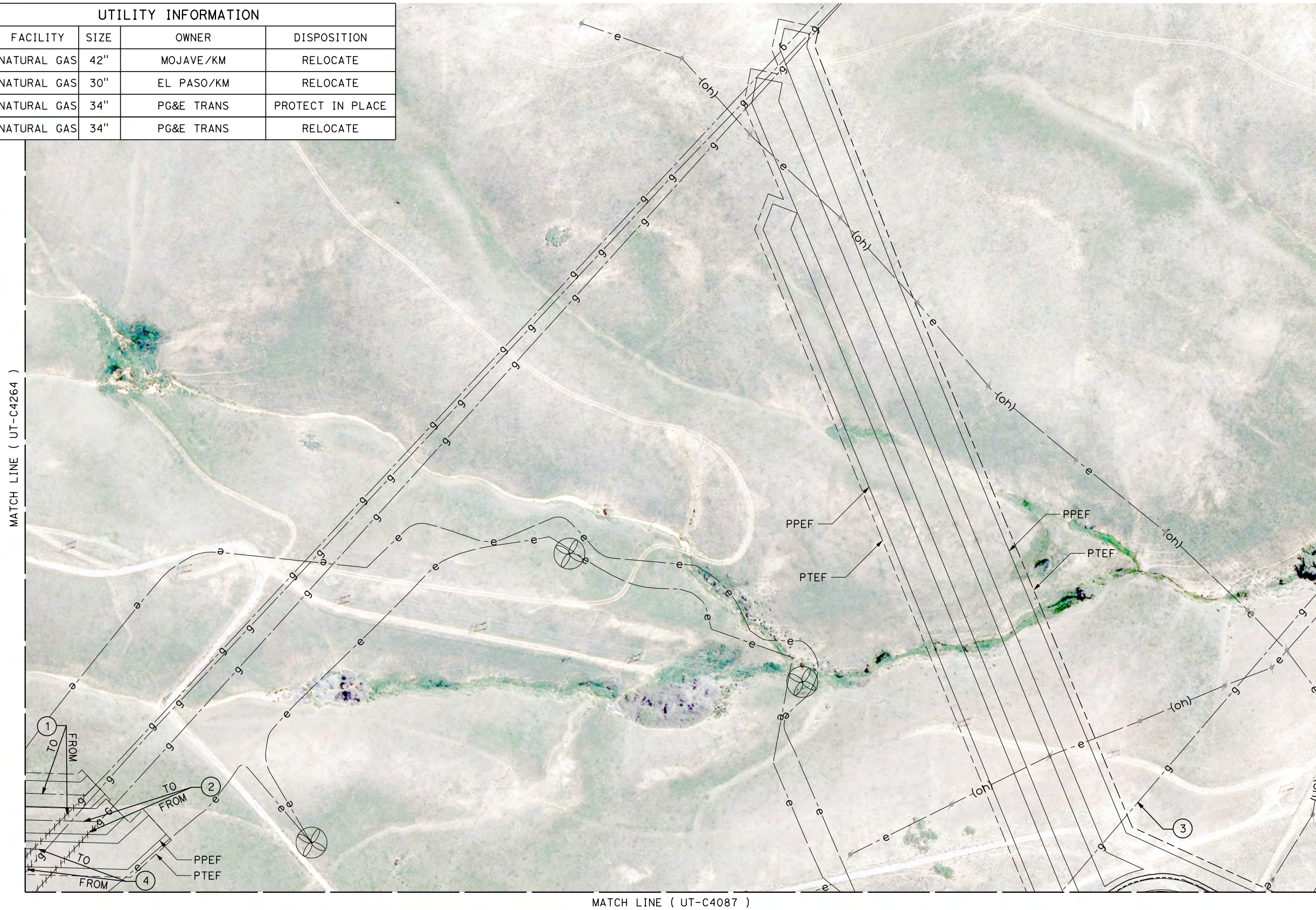
SCALE
AS SHOWN

SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4267.dgn

OIC:Adodge 11/7/2017 2:48:48 PM

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	42"	MOJAVE/KM	RELOCATE
2	NATURAL GAS	30"	EL PASO/KM	RELOCATE
3	NATURAL GAS	34"	PG&E TRANS	PROTECT IN PLACE
4	NATURAL GAS	34"	PG&E TRANS	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
COMPOSITE UTILITY PLAN
STA 19435+00 TO 19460+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4267

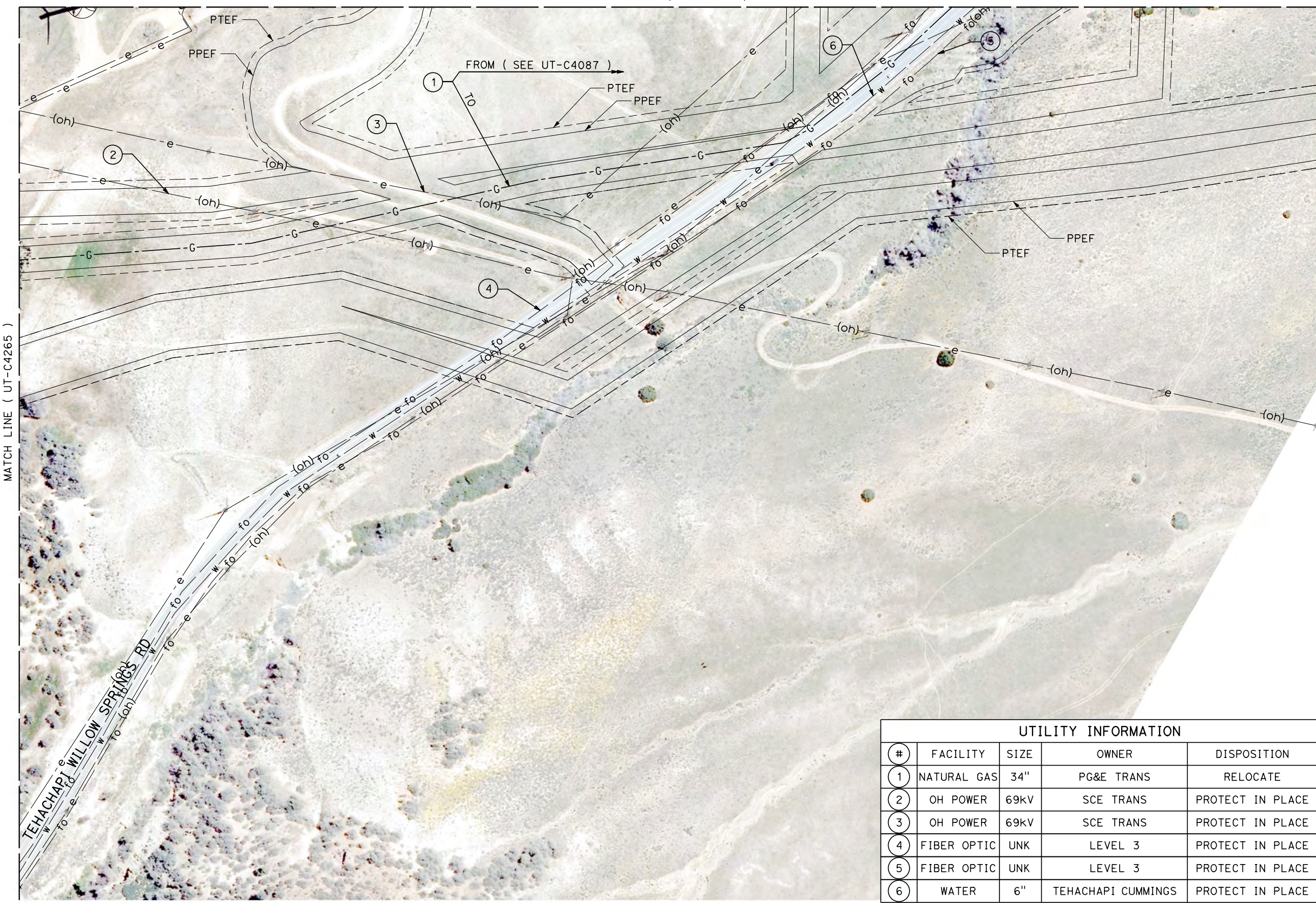
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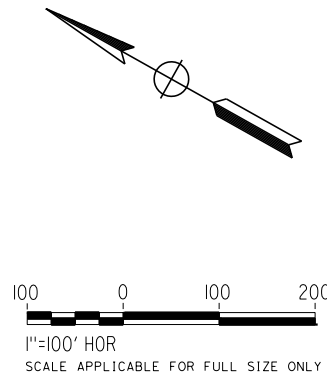
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MATCH LINE (UT-C4087)



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	34"	PG&E TRANS	RELOCATE
2	OH POWER	69kV	SCE TRANS	PROTECT IN PLACE
3	OH POWER	69kV	SCE TRANS	PROTECT IN PLACE
4	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
5	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
6	WATER	6"	TEHACHAPI CUMMINGS	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
COMPOSITE UTILITY PLAN
STA 19435+00 TO 19460+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4268
SCALE
AS SHOWN
SHEET NO.

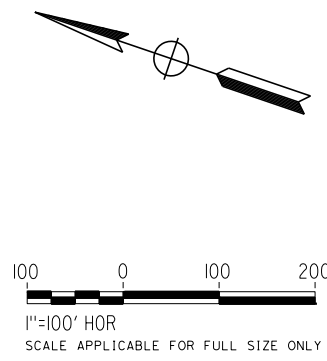
Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4269.dgn

OIC:Adodge 11/7/2017 2:55:57 PM

MATCH LINE (UT-C4102)



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	500KV	SCE TRANS	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
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10/31/2017

**RECORD
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SUBMITTAL**

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
COMPOSITE UTILITY PLAN
STA 19810+00 TO 19835+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4269

SCALE
AS SHOWN

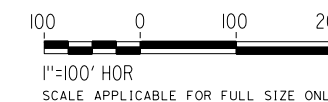
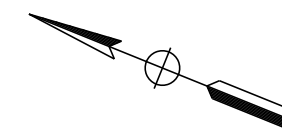
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	500KV	SCE TRANS	RELOCATE



MATCH LINE (UT-C4271)

MATCH LINE (UT-C4103)



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REV	DATE	BY	CHK	APP	DESCRIPTION

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H. TU

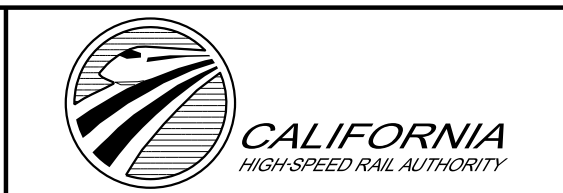
CHECKED BY
D. ARUTA

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
COMPOSITE UTILITY PLAN
STA 19835+00 TO 19860+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4270

SCALE
AS SHOWN

SHEET NO.

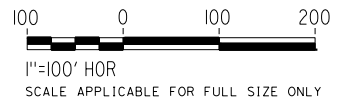
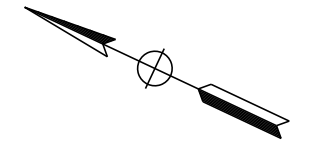
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OIC:Adodge

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	500KV	SCE TRANS	RELOCATE



MATCH LINE (UT-C4270)

MATCH LINE (UT-C4104)



REV	DATE	BY	CHK	APP	DESCRIPTION

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H. TU
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D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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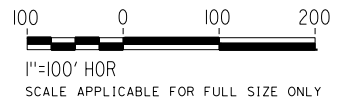
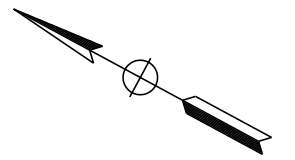
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
COMPOSITE UTILITY PLAN
STA 19860+00 TO 19885+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4271
SCALE
AS SHOWN
SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	500kV	SCE TRANS	RELOCATE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
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H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

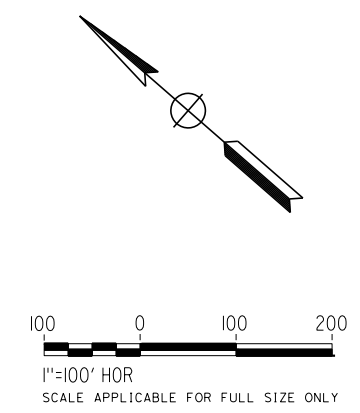
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COMPOSITE UTILITY PLAN
STA 19885+00 TO 19910+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4272
SCALE
AS SHOWN
SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\AI\1\BP-UT-C4273.dgn

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	TELECOM	UNK	VERIZON	PROTECT IN PLACE
2	OH POWER	220kV	NEXTERA	RELOCATE
3	OH POWER	69kV	SCE TRANS	PROTECT IN PLACE
4	FIBER OPTIC	UNK	LEVEL3	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
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SUBMITTAL**

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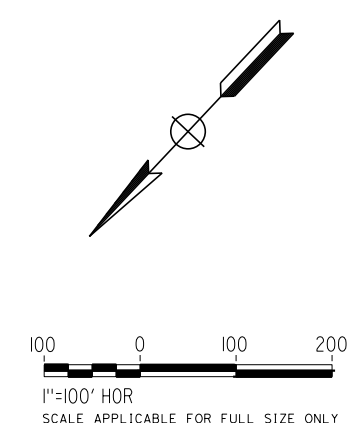
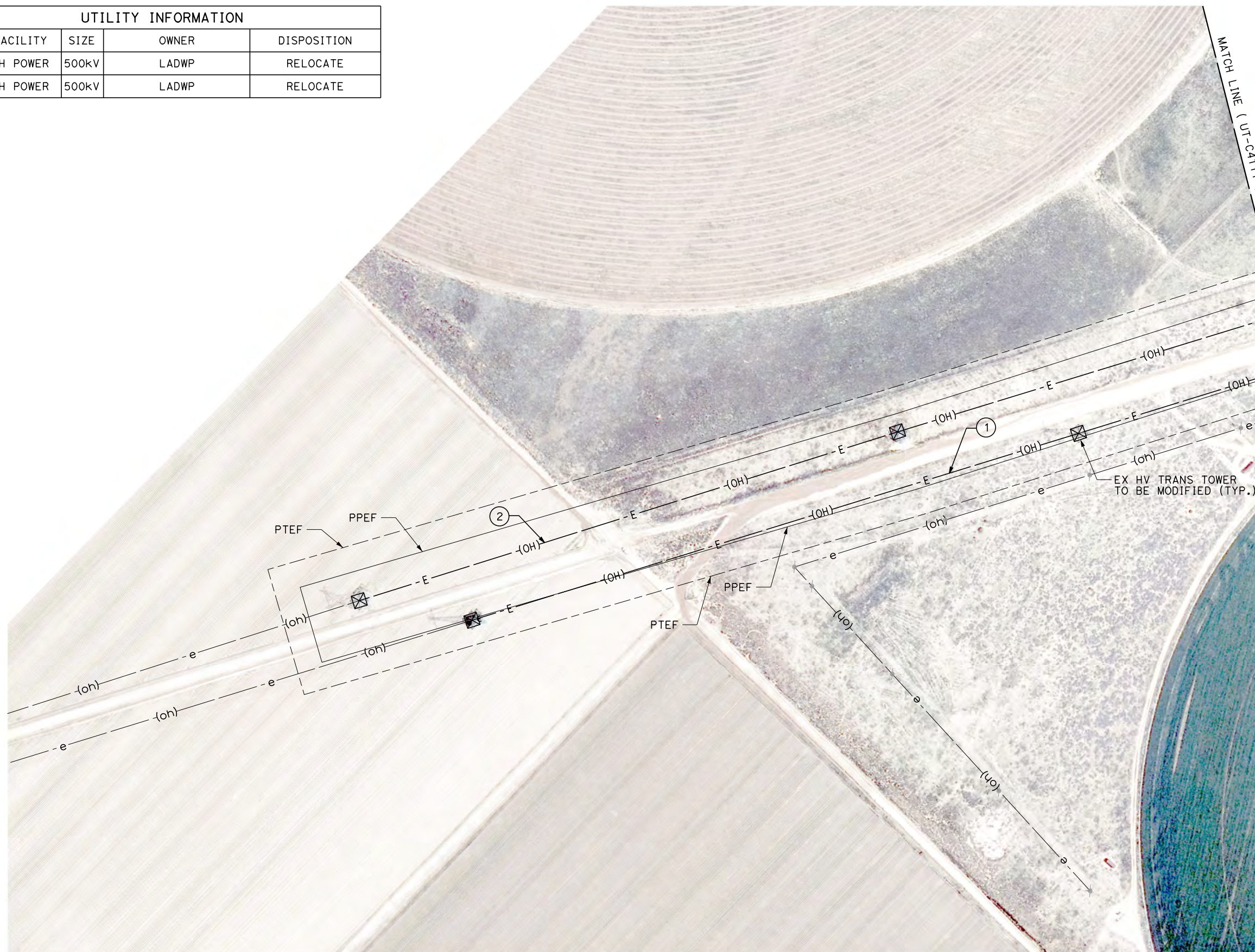


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 1,2,5
COMPOSITE UTILITY PLAN
STA 19985+00 TO 20010+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4273
SCALE
AS SHOWN
SHEET NO.

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	500kV	LADWP	RELOCATE
2	OH POWER	500kV	LADWP	RELOCATE



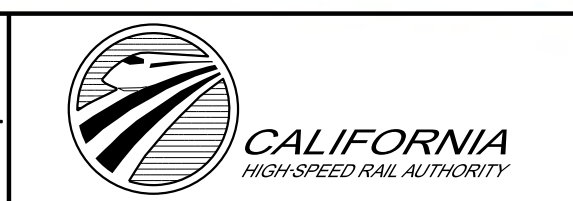
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DESIGNED BY
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 CHECKED BY
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 IN CHARGE
S. SMITH
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10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 1,2,3,5
 COMPOSITE UTILITY PLAN
 STA 20010+00 TO 20035+00

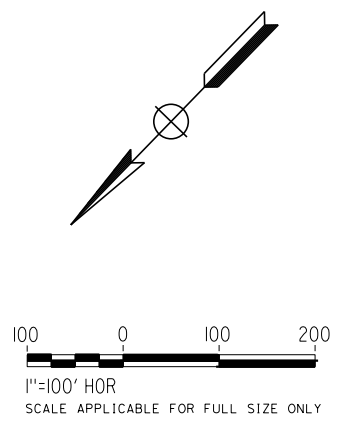
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	500kV	LADWP	RELOCATE
2	OH POWER	500kV	LADWP	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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IN CHARGE
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10/31/2017

**RECORD
PEPD
SUBMITTAL**

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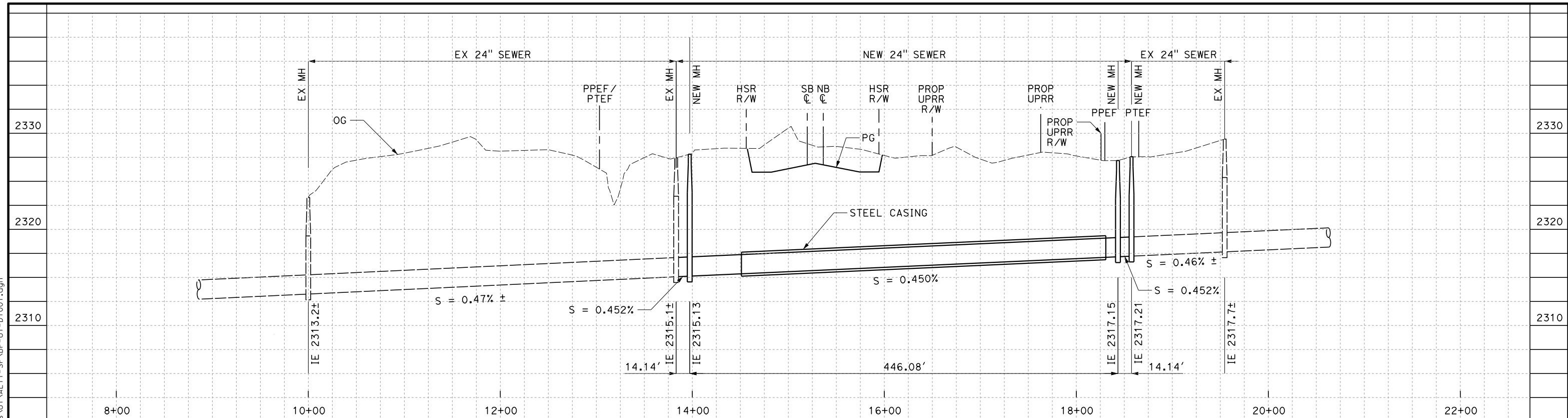


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

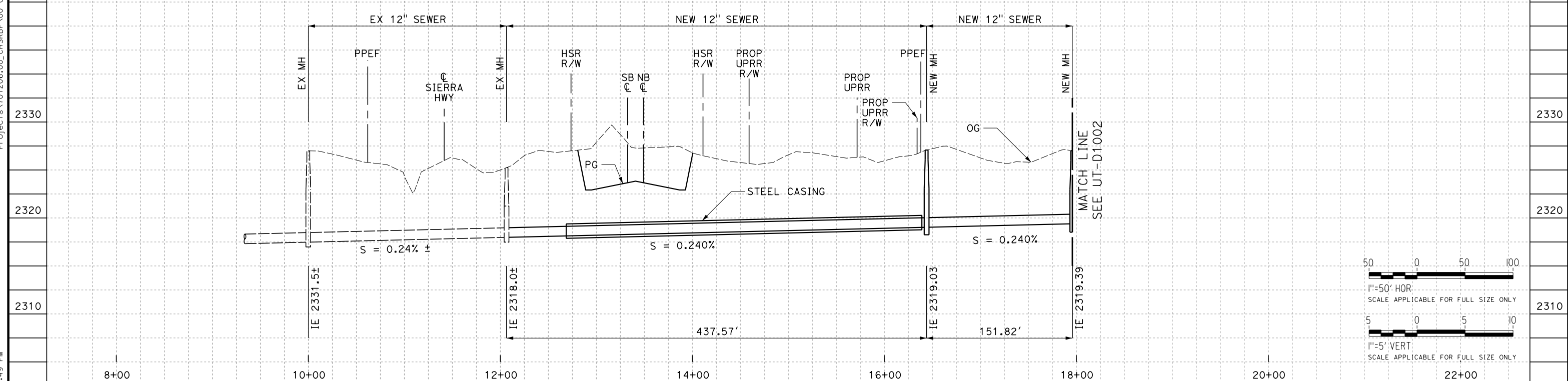
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COMPOSITE UTILITY PLAN
STA 20035+00 TO 20060+00

CONTRACT NO.
HSR13-44
DRAWING NO.
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SCALE
AS SHOWN
SHEET NO.

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Crossing at STA 20871+01



Crossing at STA 20874+02

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S. SMITH
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10/31/2017

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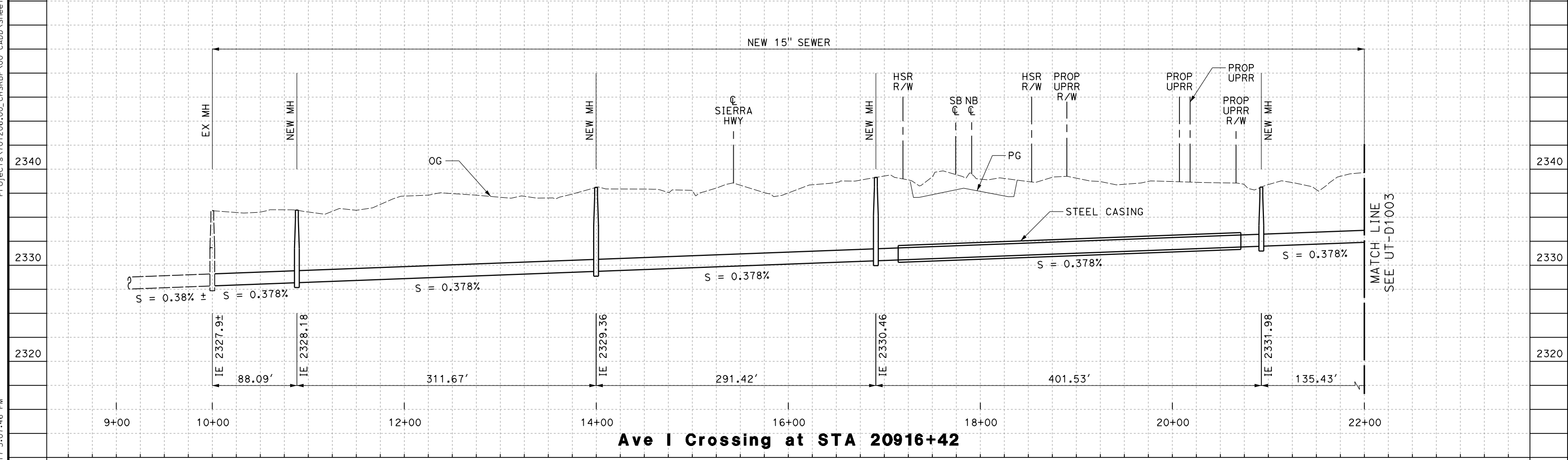
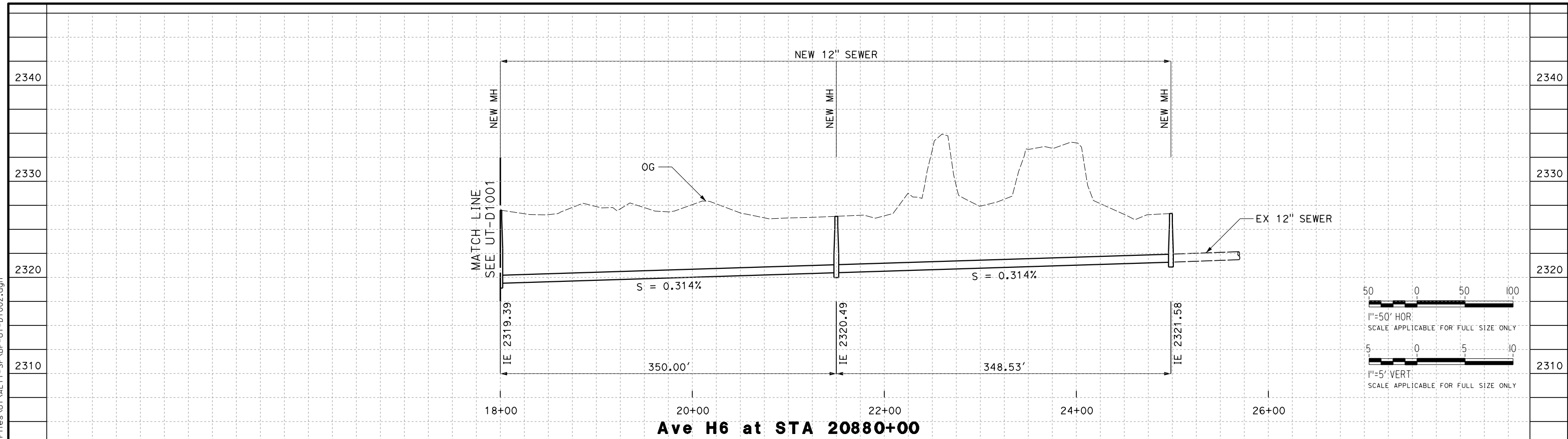
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 LANCASTER SUBSECTION
 ALTERNATIVE 1, 2, 3
 PROPOSED SEWER
 PROFILES

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-D1001
 SCALE
AS SHOWN
 SHEET NO.

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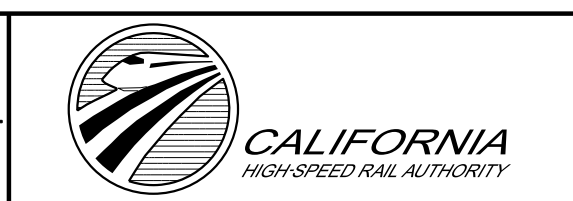


REV	DATE	BY	CHK	APP	DESCRIPTION

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H. TU
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D. ARUTA
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S. SMITH
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10/31/2017

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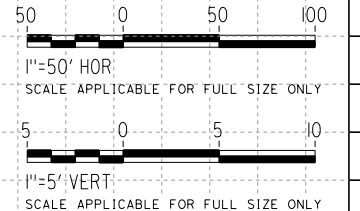
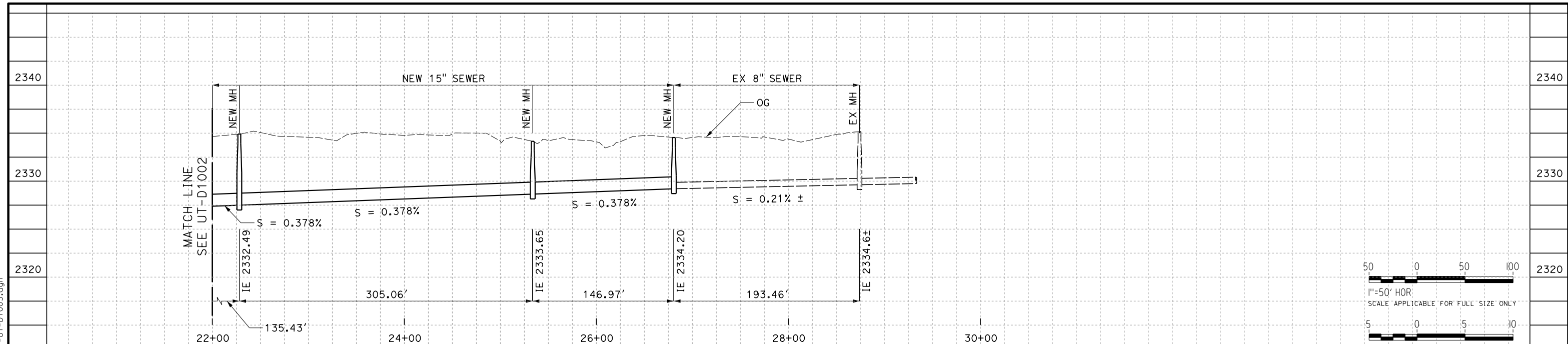
**NOT FOR
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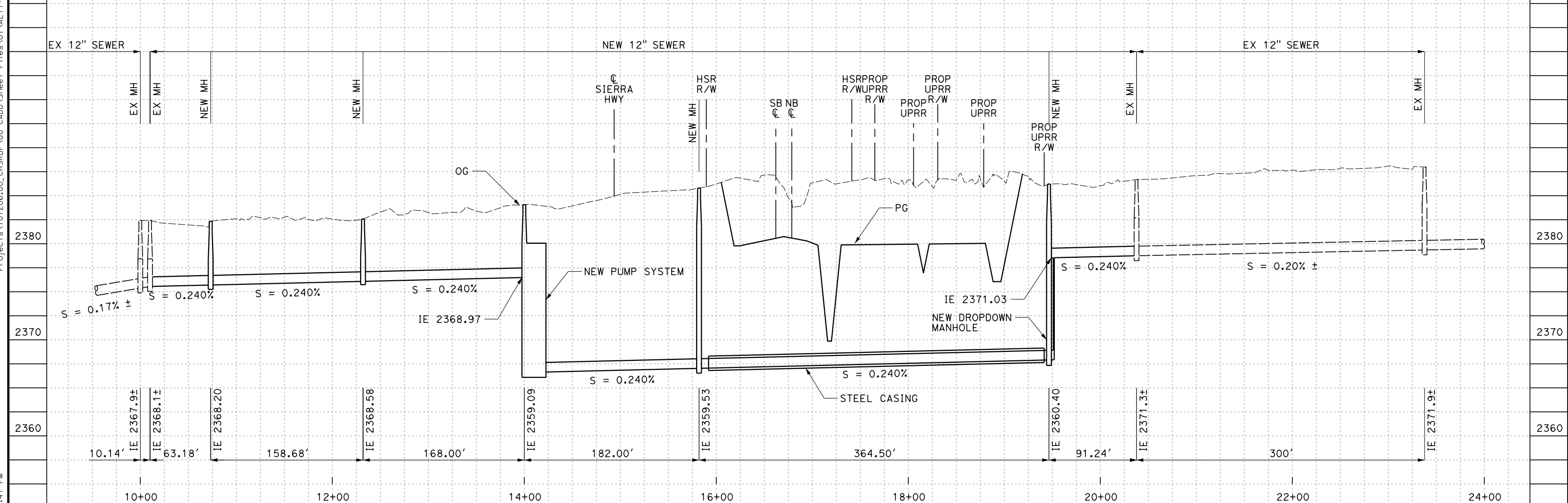
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 LANCASTER SUBSECTION
 ALTERNATIVE 1, 2, 3
 PROPOSED SEWER
 PROFILES

CONTRACT NO.
HSR13-44
 DRAWING NO.
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AS SHOWN
 SHEET NO.

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Ave I Crossing at STA 20916+42



Ave J Crossing at STA 20969+20

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H. TU
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D. ARUTA
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S. SMITH
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10/31/2017

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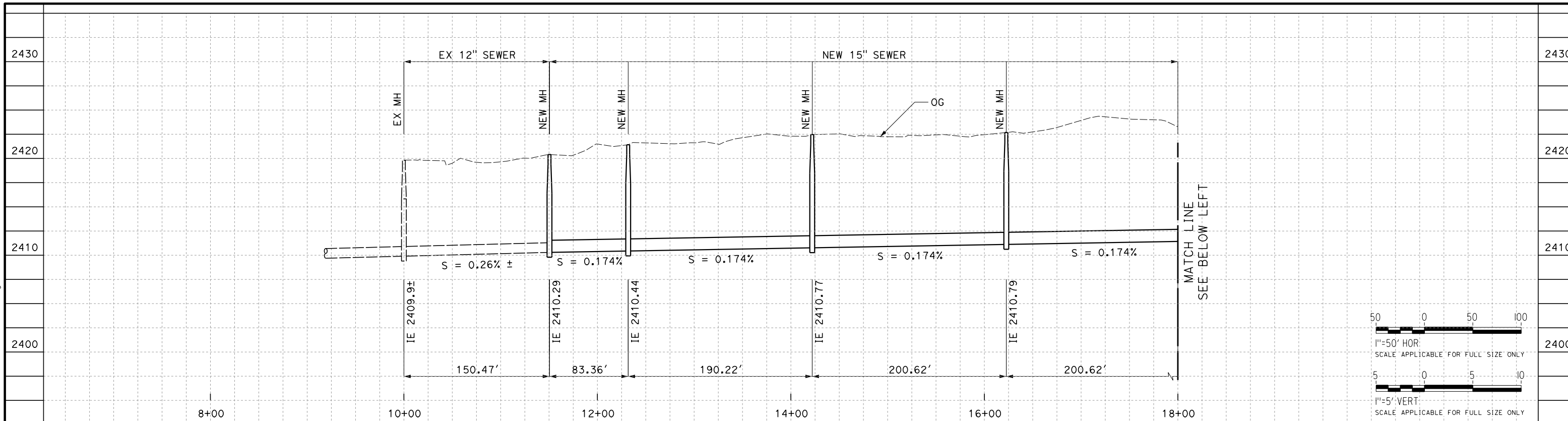


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 LANCASTER SUBSECTION
 ALTERNATIVE 1, 2, 3
 PROPOSED SEWER
 PROFILES

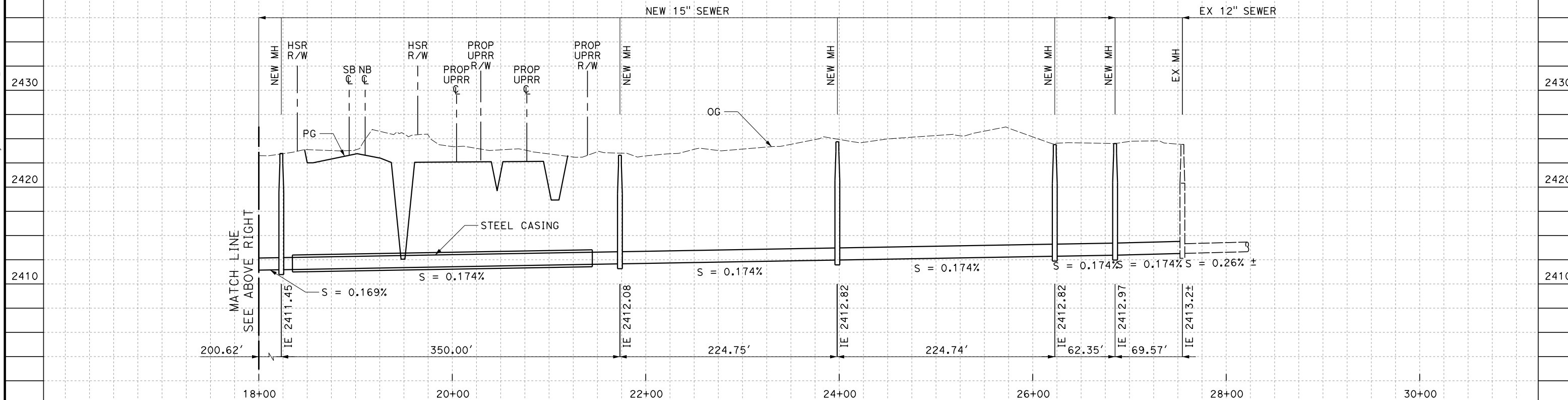
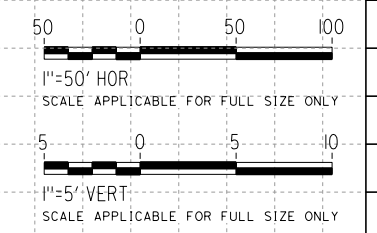
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Ave K Crossing at STA 21022+96



Ave K Crossing at STA 21022+96

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

LANCASTER SUBSECTION
ALTERNATIVE 1, 2, 3
PROPOSED SEWER
PROFILES

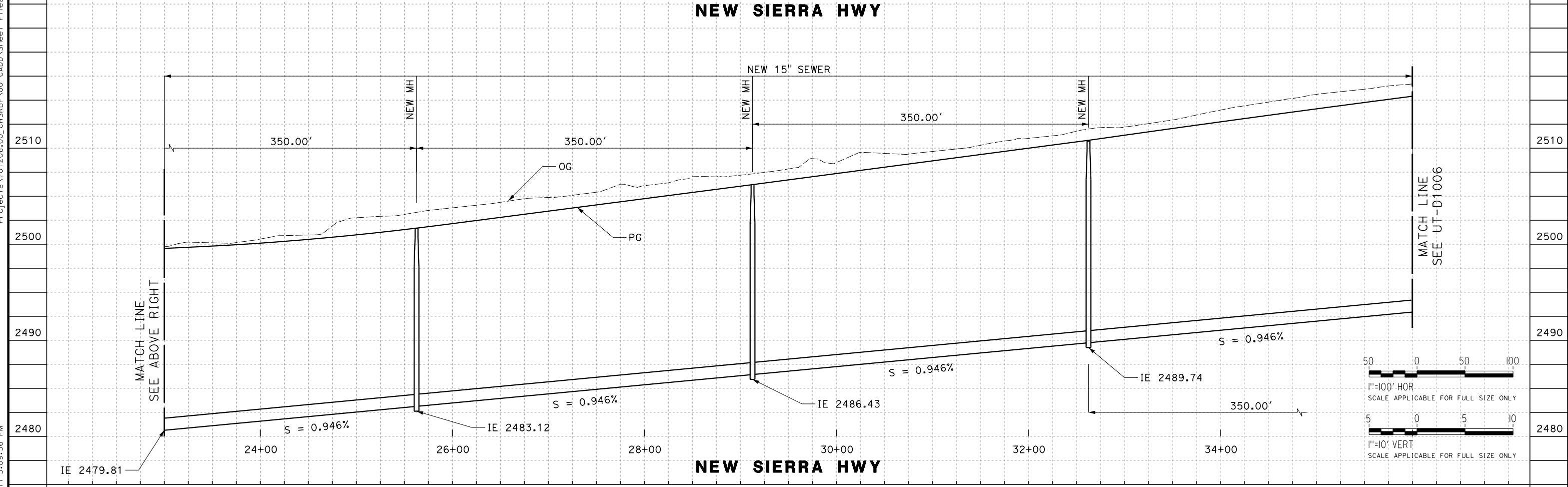
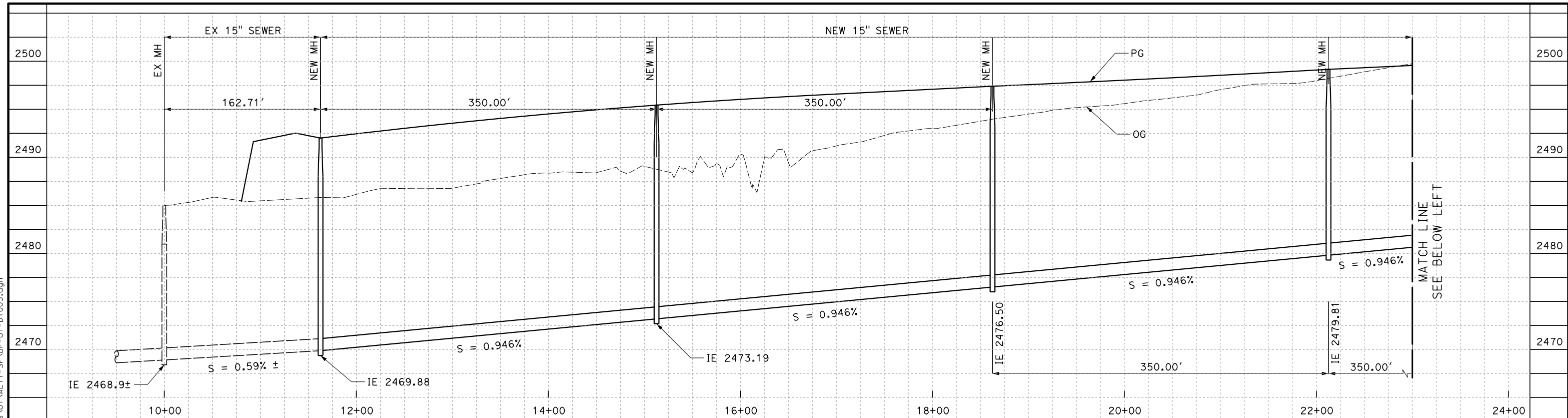
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HSR13-44

DRAWING NO.
UT-D1004

SCALE
AS SHOWN

SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
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H. TU
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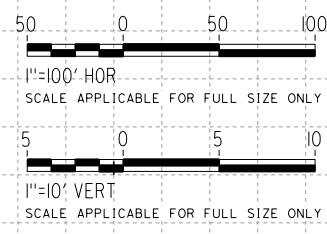
**RECORD
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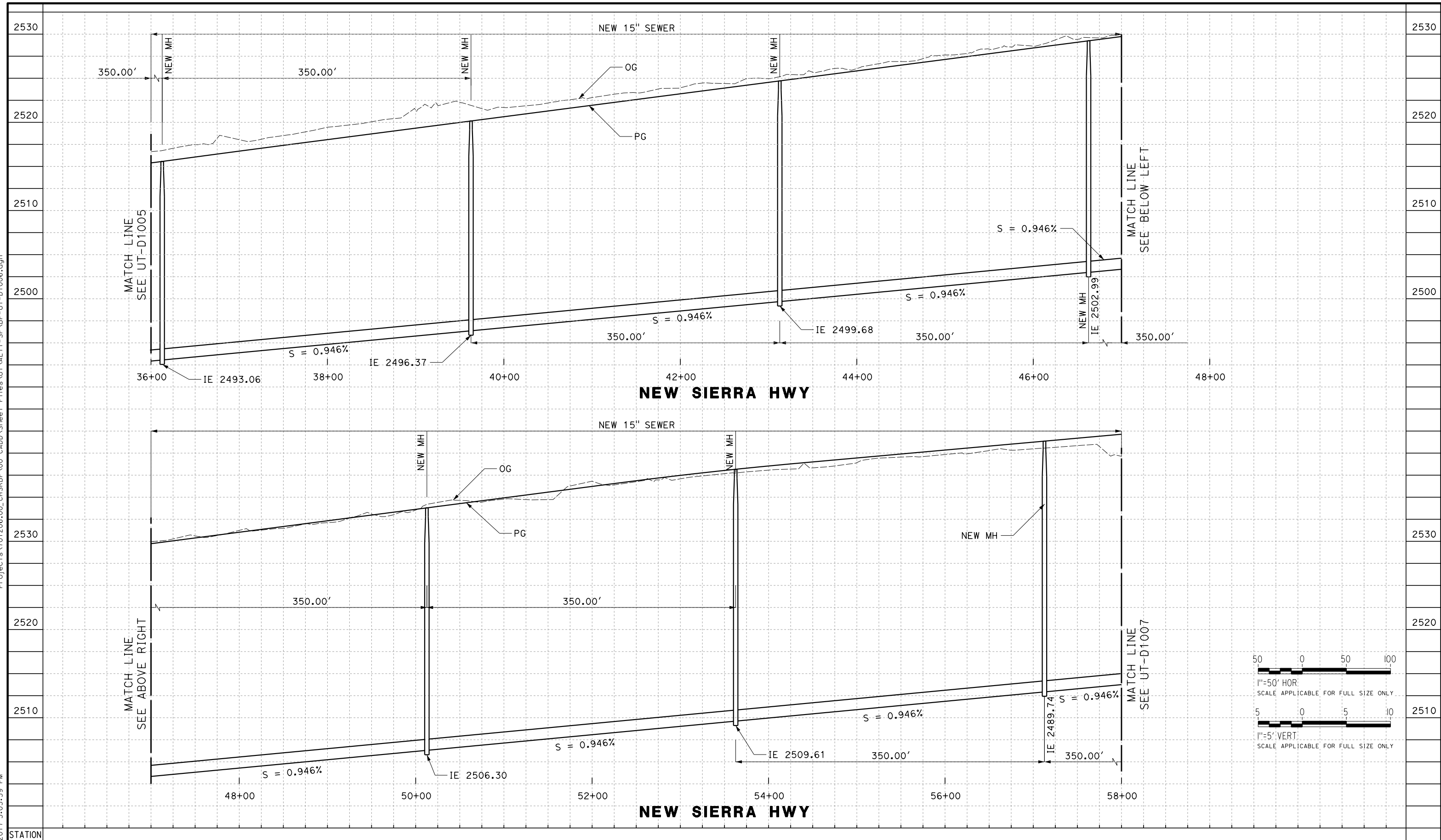


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 LANCASTER SUBSECTION
 ALTERNATIVE 1, 2, 3
 PROPOSED SEWER
 PROFILES

CONTRACT NO.
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 DRAWING NO.
UT-D1005
 SCALE
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 SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
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H. TU
 CHECKED BY
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 IN CHARGE
S. SMITH
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10/31/2017

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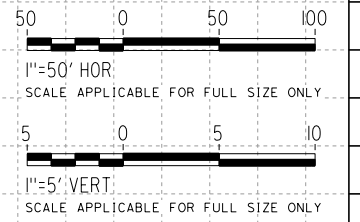
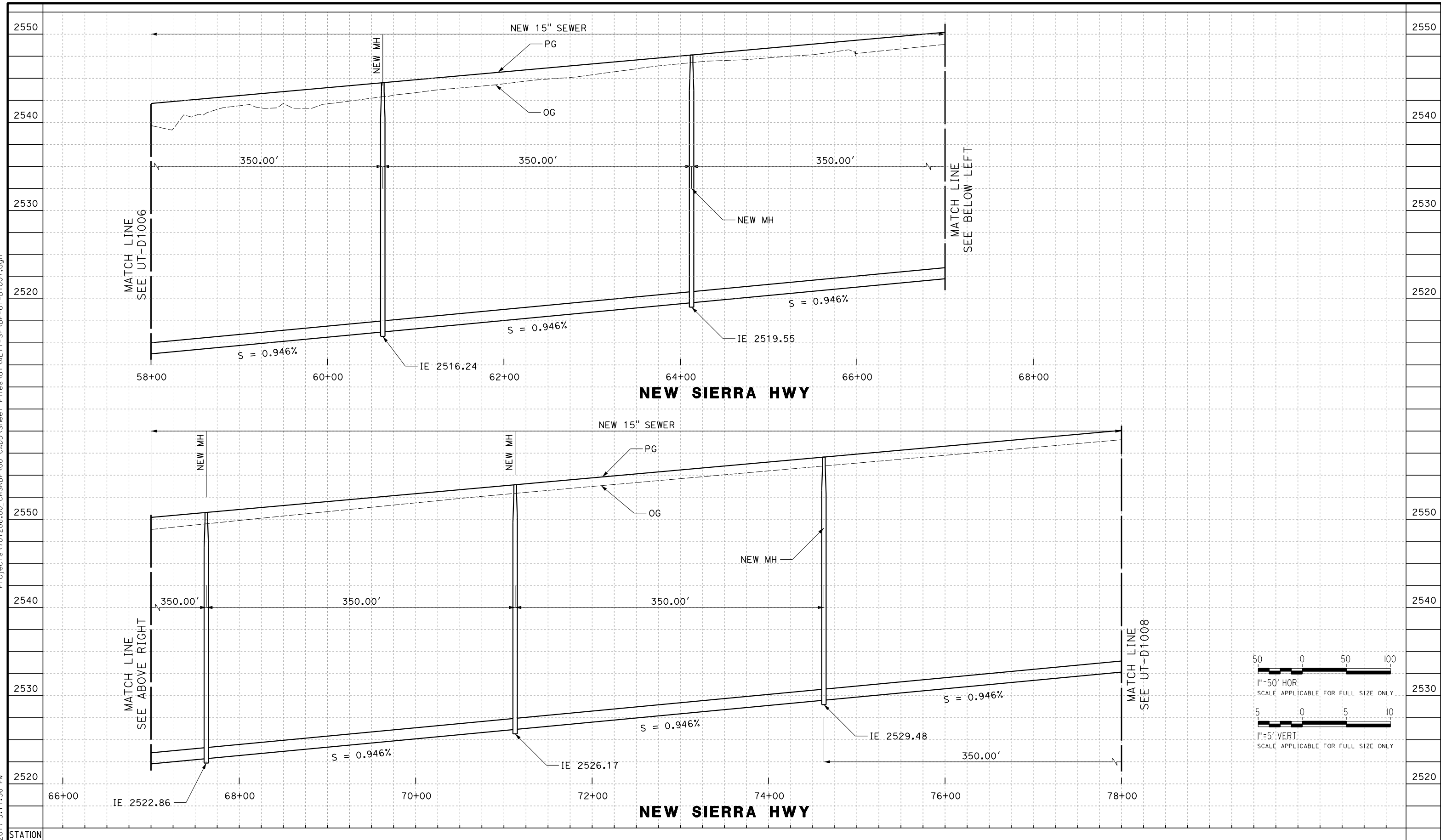
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 LANCASTER SUBSECTION
 ALTERNATIVE 1, 2, 3
 PROPOSED SEWER
 PROFILES

CONTRACT NO.
HSR13-44
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 SCALE
AS SHOWN
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 IN CHARGE
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10/31/2017

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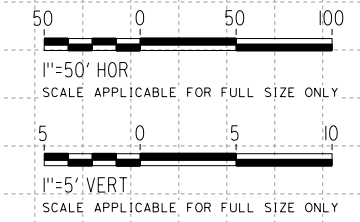
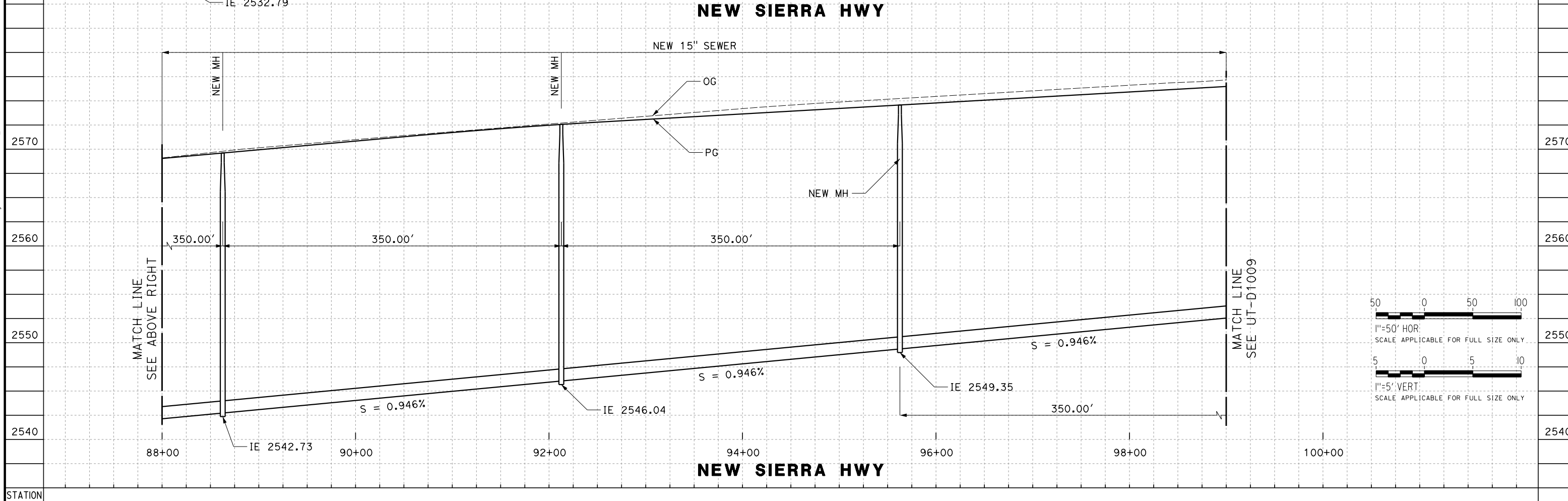
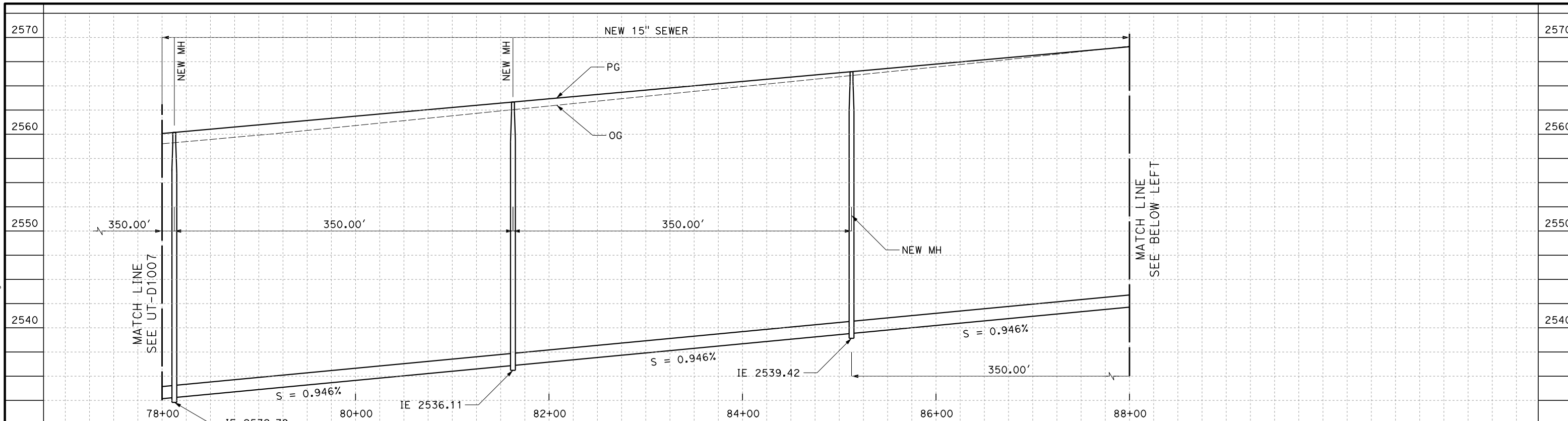


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 LANCASTER SUBSECTION
 ALTERNATIVE 1, 2, 3
 PROPOSED SEWER
 PROFILES

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-D1007
 SCALE
AS SHOWN
 SHEET NO.

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OIC:Adodge 11/7/2017 3:11:44 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
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10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

LANCASTER SUBSECTION
ALTERNATIVE 1, 2, 3
PROPOSED SEWER
PROFILES

CONTRACT NO.
HSR13-44

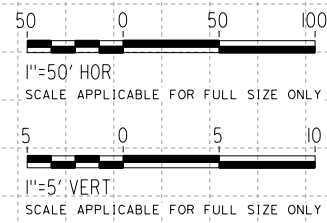
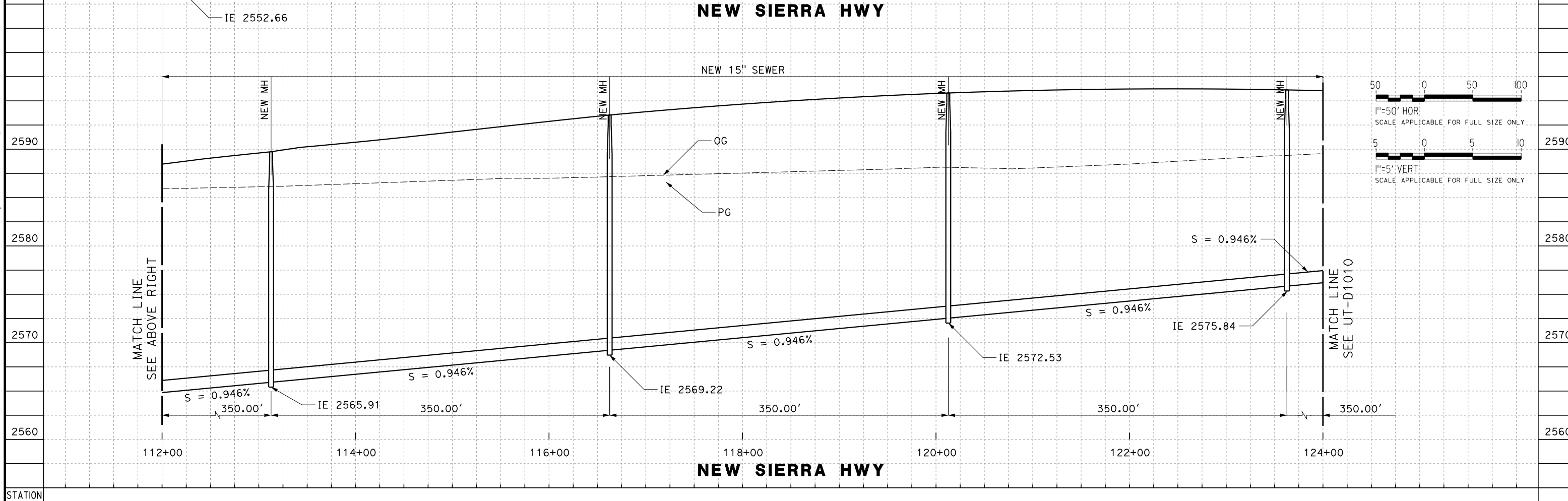
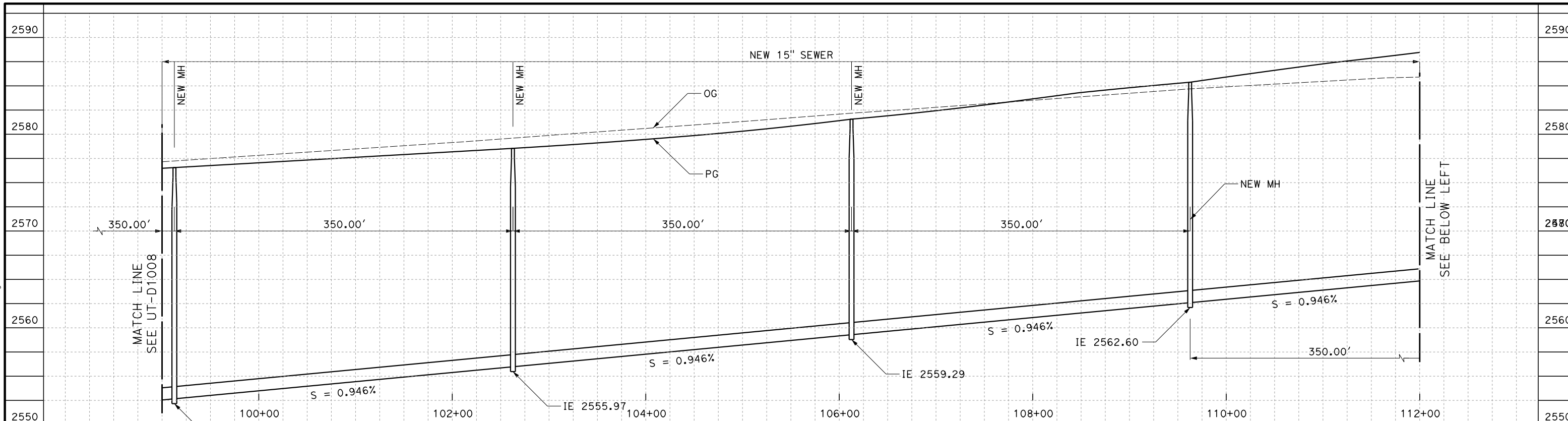
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SCALE
AS SHOWN

SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

LANCASTER SUBSECTION
ALTERNATIVE 1, 2, 3
PROPOSED SEWER
PROFILES

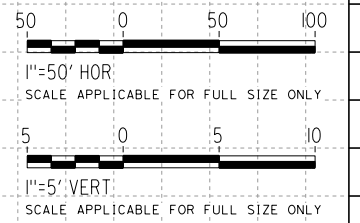
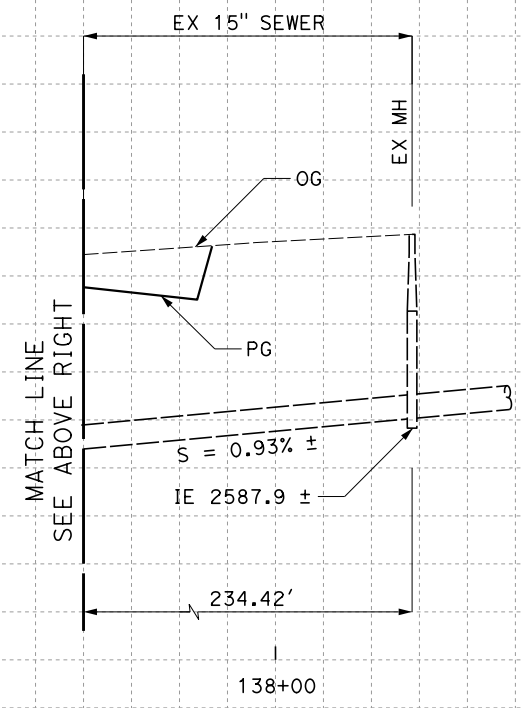
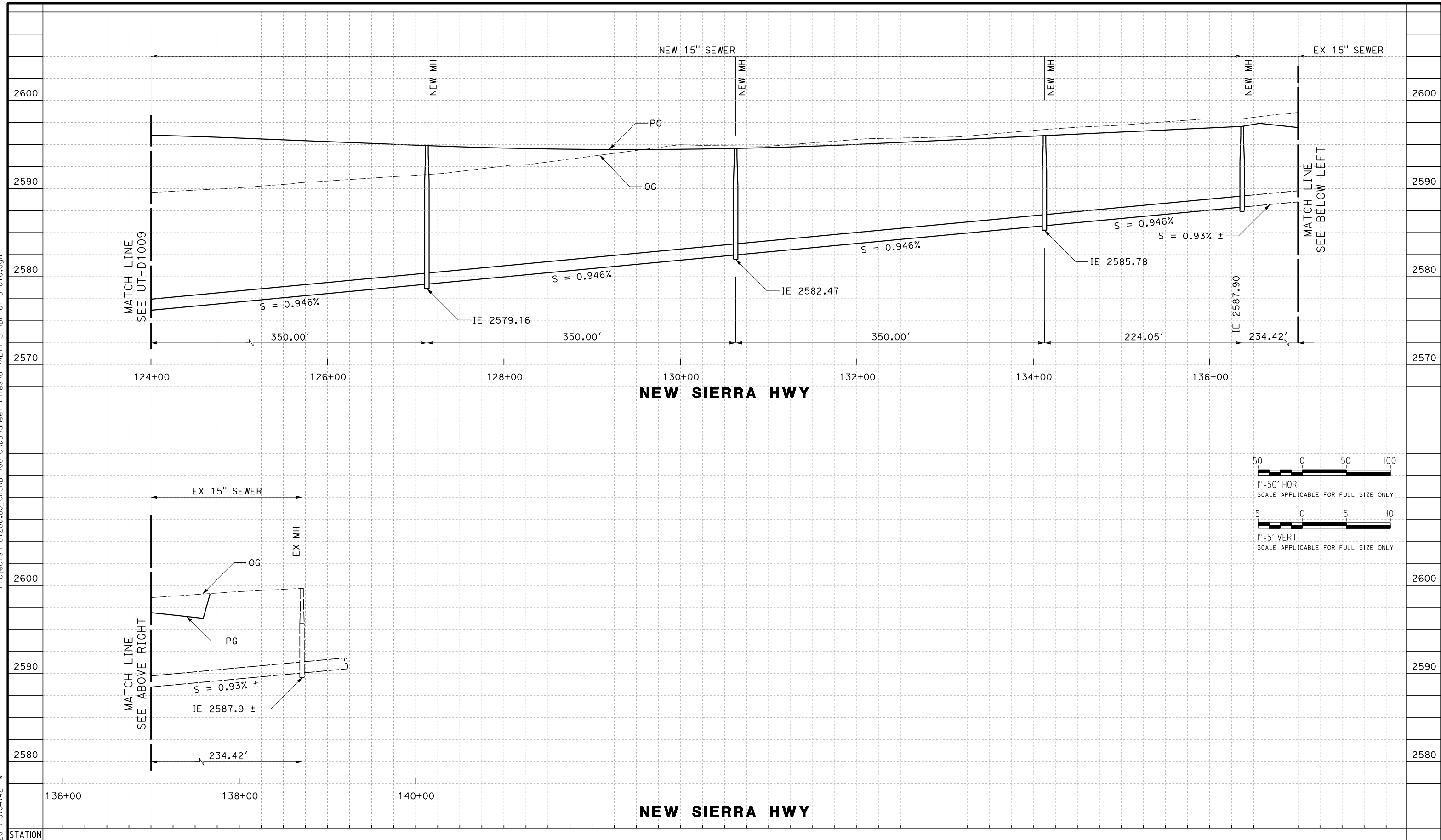
CONTRACT NO.
HSR13-44

DRAWING NO.
UT-D1009

SCALE
AS SHOWN

SHEET NO.

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D. CONYERS
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H. TU
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D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 LANCASTER SUBSECTION
 ALTERNATIVE 1, 2, 3
 PROPOSED SEWER
 PROFILES

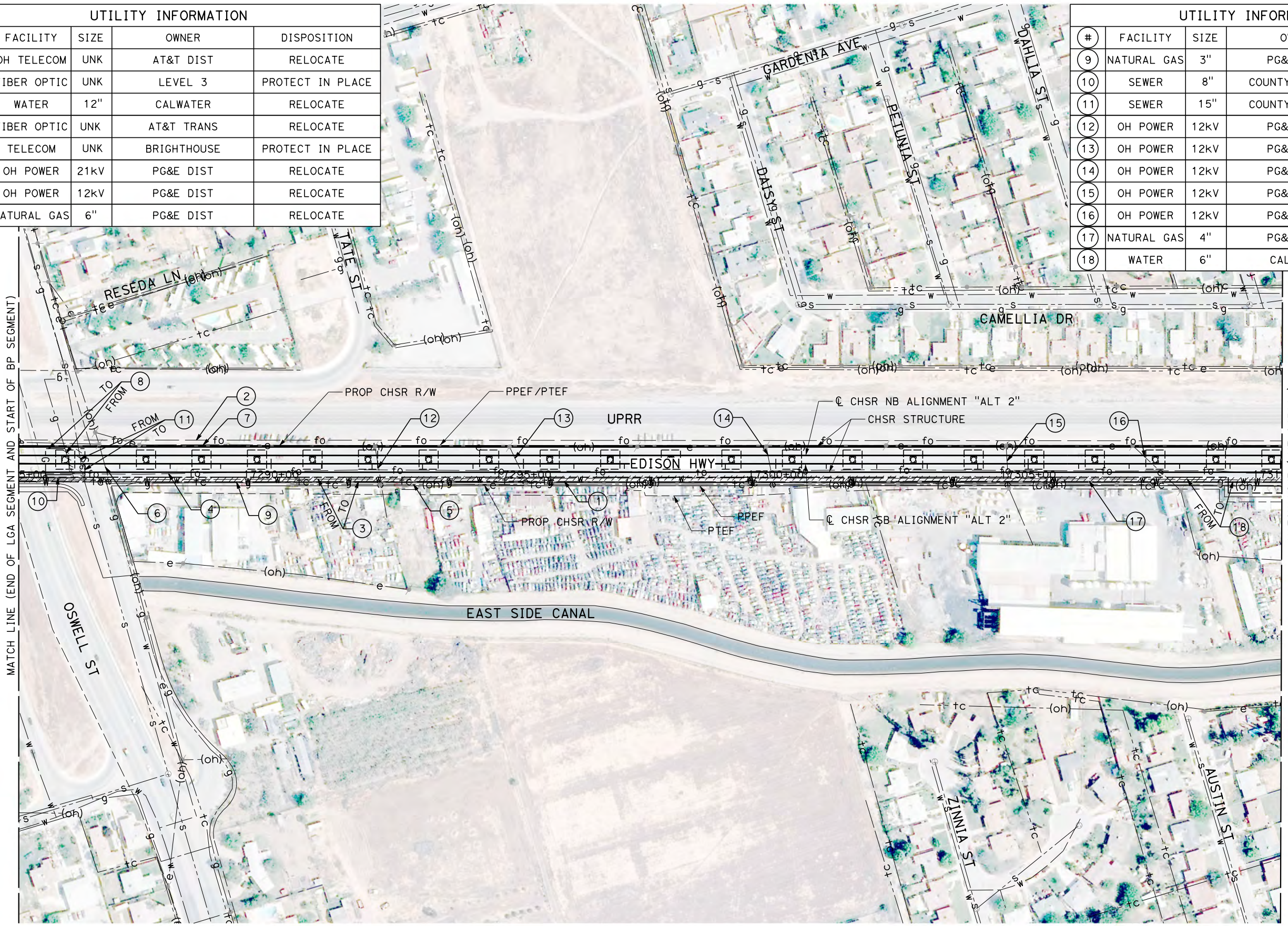
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HSR13-44
 DRAWING NO.
UT-D1010
 SCALE
AS SHOWN
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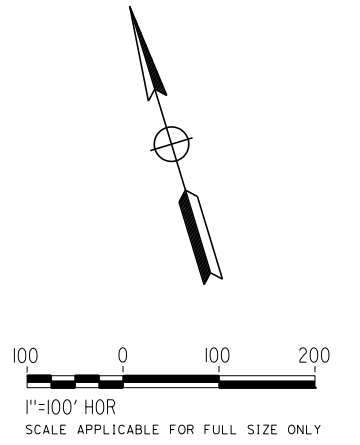
BEGIN ALTERNATIVE 2

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH TELECOM	UNK	AT&T DIST	RELOCATE
2	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
3	WATER	12"	CALWATER	RELOCATE
4	FIBER OPTIC	UNK	AT&T TRANS	RELOCATE
5	TELECOM	UNK	BRIGHTHOUSE	PROTECT IN PLACE
6	OH POWER	21kV	PG&E DIST	RELOCATE
7	OH POWER	12kV	PG&E DIST	RELOCATE
8	NATURAL GAS	6"	PG&E DIST	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
9	NATURAL GAS	3"	PG&E DIST	PROTECT IN PLACE
10	SEWER	8"	COUNTY OF KERN	PROTECT IN PLACE
11	SEWER	15"	COUNTY OF KERN	RELOCATE
12	OH POWER	12kV	PG&E DIST	RELOCATE
13	OH POWER	12kV	PG&E DIST	RELOCATE
14	OH POWER	12kV	PG&E DIST	RELOCATE
15	OH POWER	12kV	PG&E DIST	RELOCATE
16	OH POWER	12kV	PG&E DIST	RELOCATE
17	NATURAL GAS	4"	PG&E DIST	PROTECT IN PLACE
18	WATER	6"	CALWATER	RELOCATE



MATCH LINE (UT-C4302)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SALGADO
 DRAWN BY
T. SWEITZER
 CHECKED BY
D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 2
 COMPOSITE UTILITY PLAN
 STA 17285+00 TO 17310+00

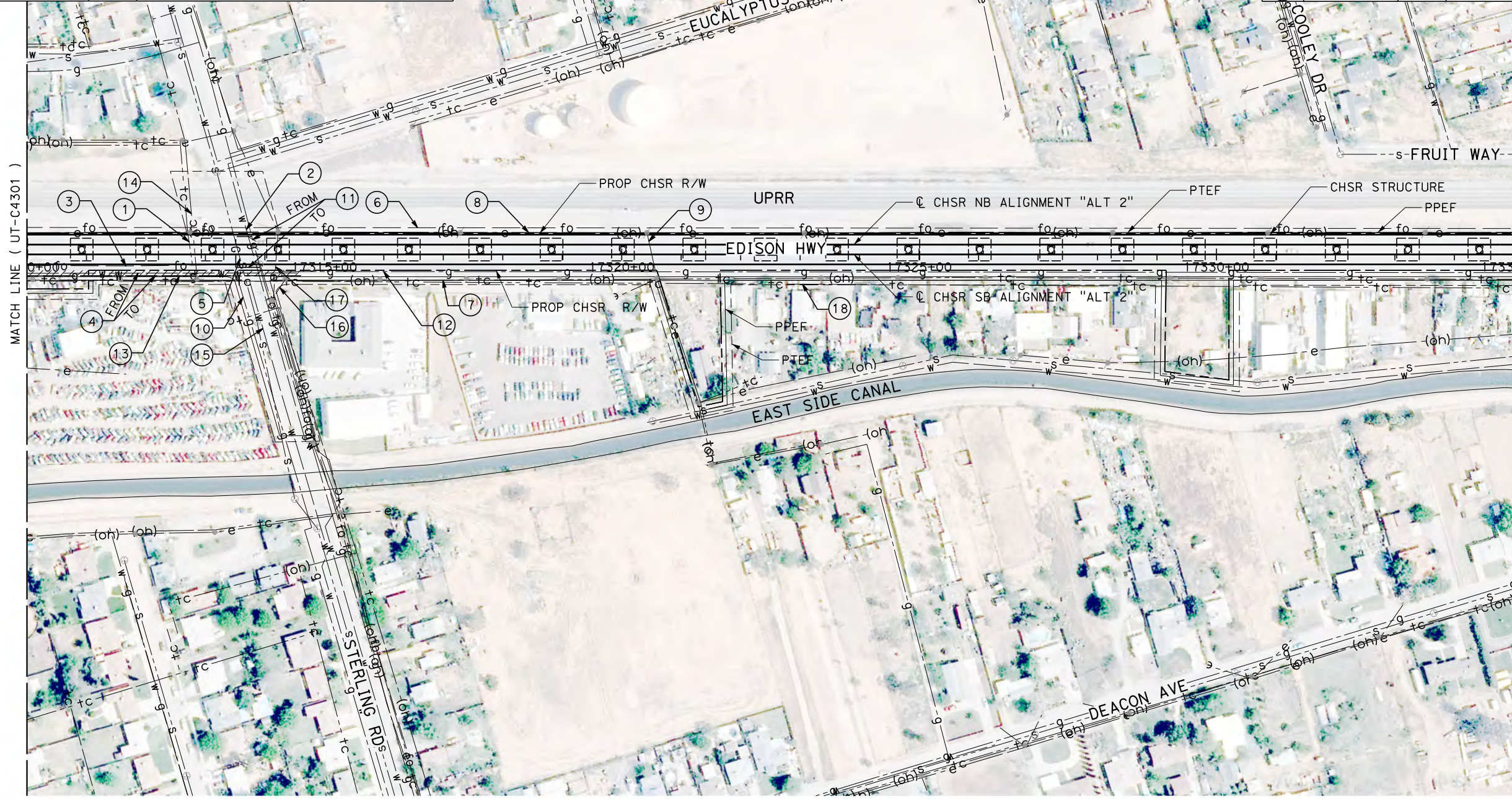
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HSR13-44
 DRAWING NO.
UT-C4301
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\Alt2 (Edison A)\BP-UT-C4302.dgn

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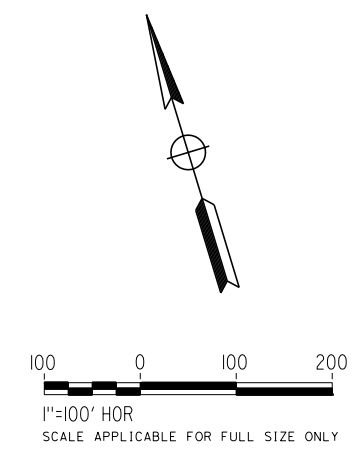
UTILITY INFORMATION				
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1	TELECOM	UNK	BRIGHTHOUSE	RELOCATE
2	WATER	14"	ENCSO	PROTECT IN PLACE
3	FIBER OPTIC	UNK	AT&T TRANS	RELOCATE
4	WATER	6"	CALWATER	RELOCATE
5	SEWER	10"	ENCSO	PROTECT IN PLACE
6	FIBER OPTIC	UNK	SPRINT, LEVEL 3	PROTECT IN PLACE
7	OH TELECOM	UNK	BRIGHTHOUSE	PROTECT IN PLACE
8	OH POWER	12kV	PG&E DIST	RELOCATE
9	OH POWER	12kV	PG&E DIST	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
10	NATURAL GAS	6"	PG&E DIST	PROTECT IN PLACE
11	NATURAL GAS	3"	PG&E DIST	RELOCATE
12	NATURAL GAS	3"	PG&E DIST	PROTECT IN PLACE
13	NATURAL GAS	4"	PG&E DIST	PROTECT IN PLACE
14	TELECOM	UNK	AT&T DIST	RELOCATE
15	WATER	8"	CALWATER	PROTECT IN PLACE
16	OH TELECOM	UNK	BRIGHTHOUSE	RELOCATE
17	OH POWER	21kV	PG&E DIST	RELOCATE
18	OH TELECOM	UNK	PAC BELL	PROTECT IN PLACE



MATCH LINE (UT-C4301)

MATCH LINE (UT-C4303)



REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE
S. SMITH
DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

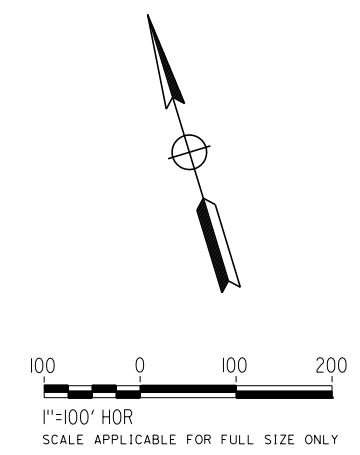
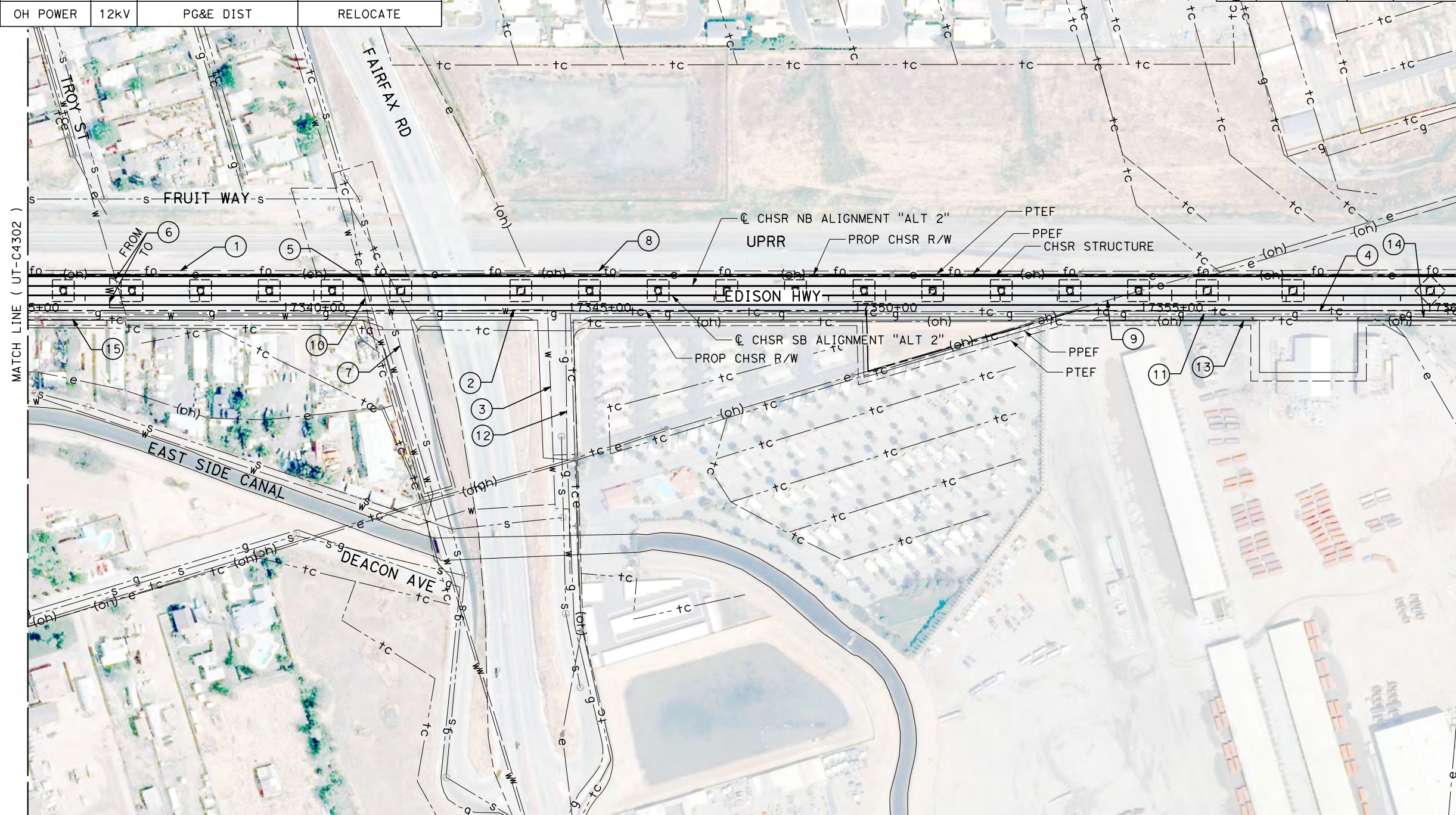
ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17310+00 TO 17335+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4302
SCALE
AS SHOWN
SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	SPRINT, LEVEL 3	PROTECT IN PLACE
2	WATER	10"	ENCSD	RELOCATE
3	WATER	8"	ENCSD	PROTECT IN PLACE
4	TELECOM	UNK	AT&T DIST	RELOCATE
5	WATER	12"	ENCSD	PROTECT IN PLACE
6	WATER	4"	ENCSD	RELOCATE
7	SEWER	18"	ENCSD	PROTECT IN PLACE
8	OH POWER	12kV	PG&E DIST	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
9	OH POWER	21kV	PG&E DIST	RELOCATE
10	TELECOM	UNK	AT&T DIST	PROTECT IN PLACE
11	NATURAL GAS	3"	PG&E DIST	PROTECT IN PLACE
12	NATURAL GAS	4"	PG&E DIST	PROTECT IN PLACE
13	OH TELECOM	UNK	AT&T DIST	RELOCATE
14	OH POWER	12kV	PG&E DIST	RELOCATE
15	OH TELECOM	UNK	BRIGHTHOUSE	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SALGADO
DRAWN BY
T. SWEITZER
CHECKED BY
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IN CHARGE
S. SMITH
DATE
10/31/2017

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PEPD
SUBMITTAL**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

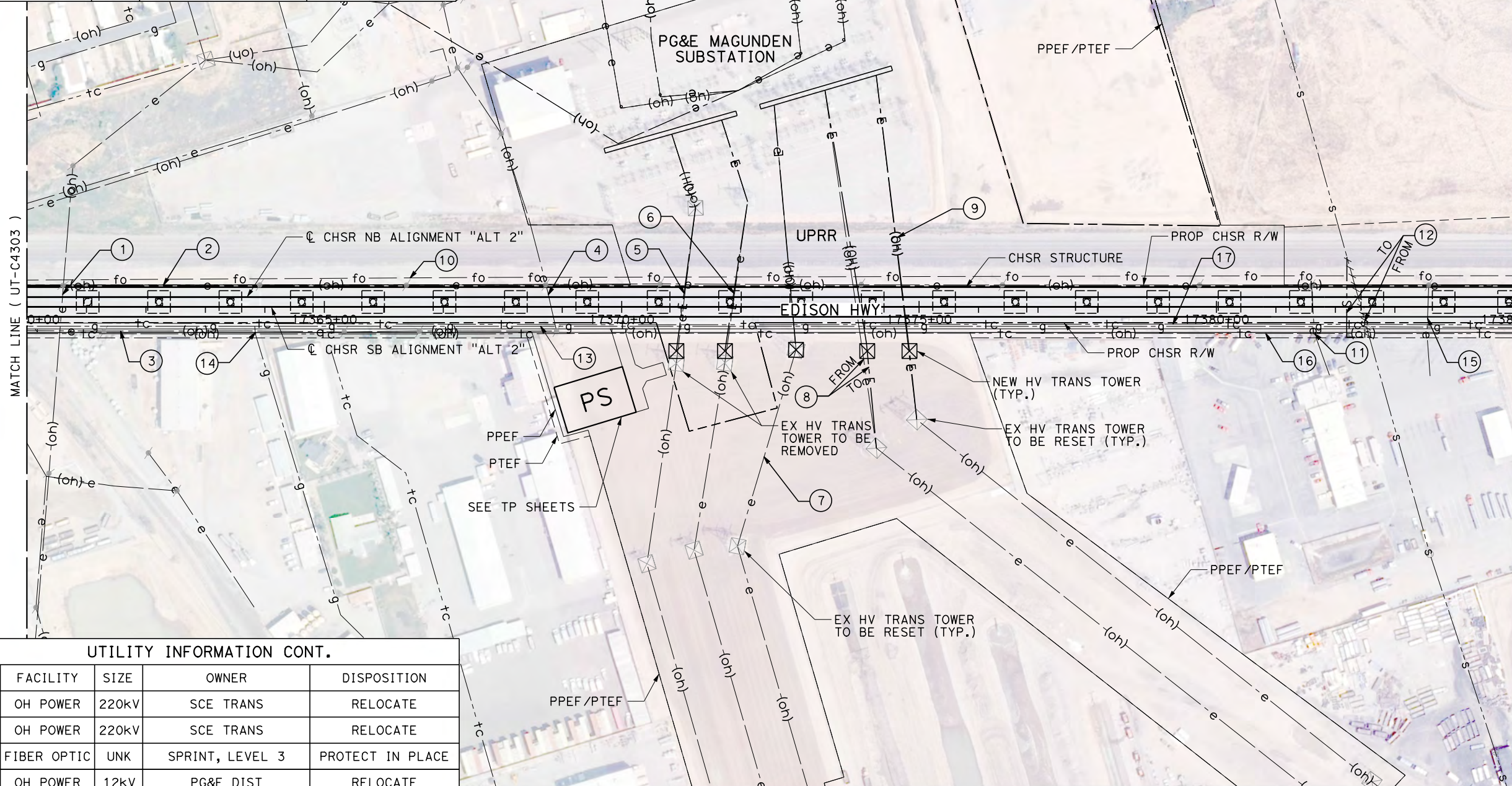
ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17335+00 TO 17360+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4303
SCALE
AS SHOWN
SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	115 kV	PG&E TRANS	RELOCATE
2	OH POWER	12kV	PG&E DIST	RELOCATE
3	OH POWER	21kV	PG&E DIST	RELOCATE
4	OH POWER	21kV	PG&E DIST	RELOCATE
5	OH POWER	220kV	SCE TRANS	RELOCATE
6	OH POWER	220kV	SCE TRANS	RELOCATE
7	OH POWER	220kV	SCE TRANS	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
14	NATURAL GAS	2"	PG&E DIST	PROTECT IN PLACE
15	OH POWER	12kV	PG&E DIST	RELOCATE
16	OH TELECOM	UNK	AT&T DIST	RELOCATE
17	TELECOM	UNK	AT&T DIST	RELOCATE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
8	OH POWER	220kV	SCE TRANS	RELOCATE
9	OH POWER	220kV	SCE TRANS	RELOCATE
10	FIBER OPTIC	UNK	SPRINT, LEVEL 3	PROTECT IN PLACE
11	OH POWER	12kV	PG&E DIST	RELOCATE
12	SEWER	21"	ENCSD	RELOCATE
13	NATURAL GAS	3"	PG&E DIST	PROTECT IN PLACE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SALGADO
DRAWN BY
T. SWEITZER
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

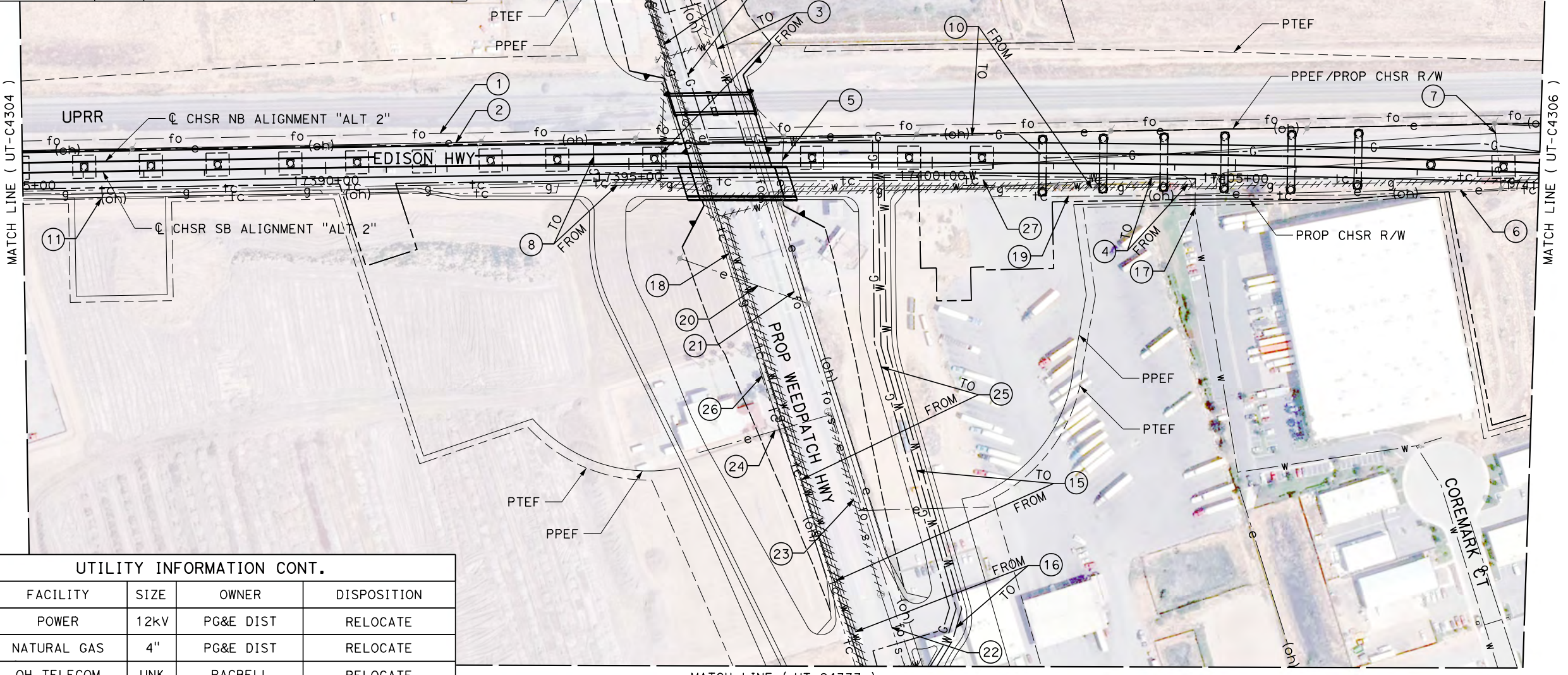
ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17360+00 TO 17385+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4304
SCALE
AS SHOWN
SHEET NO.

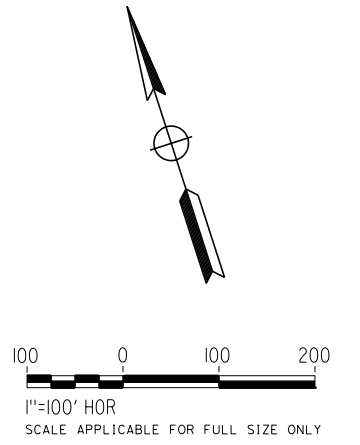
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	SPRINT, LEVEL 3	PROTECT IN PLACE
2	OH POWER	12kV	PG&E DIST	RELOCATE
3	WATER	14"	ENCSD	RELOCATE
4	WATER	8"	ENCSD	RELOCATE
5	OH POWER	12kV	PG&E DIST	RELOCATE
6	OH POWER	12kV	PG&E DIST	RELOCATE
7	OH POWER	12kV	PG&E DIST	RELOCATE
8	NATURAL GAS	3"	PG&E DIST	RELOCATE
9	NATURAL GAS	4"	PG&E DIST	RELOCATE
10	NATURAL GAS	4"	PG&E DIST	RELOCATE
11	OH TELECOM	UNK	PACBELL	RELOCATE
12	SEWER	8"	ENCSD	REMOVE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
13	WATER	6"	ENCSD	RELOCATE
14	WATER	12"	ENCSD	RELOCATE
15	WATER	6"	ENCSD	RELOCATE
16	WATER	10"	ENCSD	RELOCATE
17	WATER	8"	ENCSD	PROTECT IN PLACE
18	TELECOM	UNK	PACBELL	RELOCATE
19	OH TELECOM	UNK	PACBELL	RELOCATE
20	OH POWER	12kV	PG&E DIST	RELOCATE
21	FIBER OPTIC	UNK	SPRINT, LEVEL 3	RELOCATE
22	SEWER	8"	ENCSD	PROTECT IN PLACE
23	SEWER	8"	ENCSD	REMOVE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
24	POWER	12kV	PG&E DIST	RELOCATE
25	NATURAL GAS	4"	PG&E DIST	RELOCATE
26	OH TELECOM	UNK	PACBELL	RELOCATE
27	TELECOM	UNK	PACBELL	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SALGADO
DRAWN BY
T. SWEITZER
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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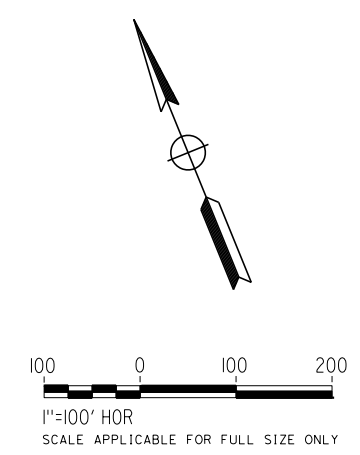
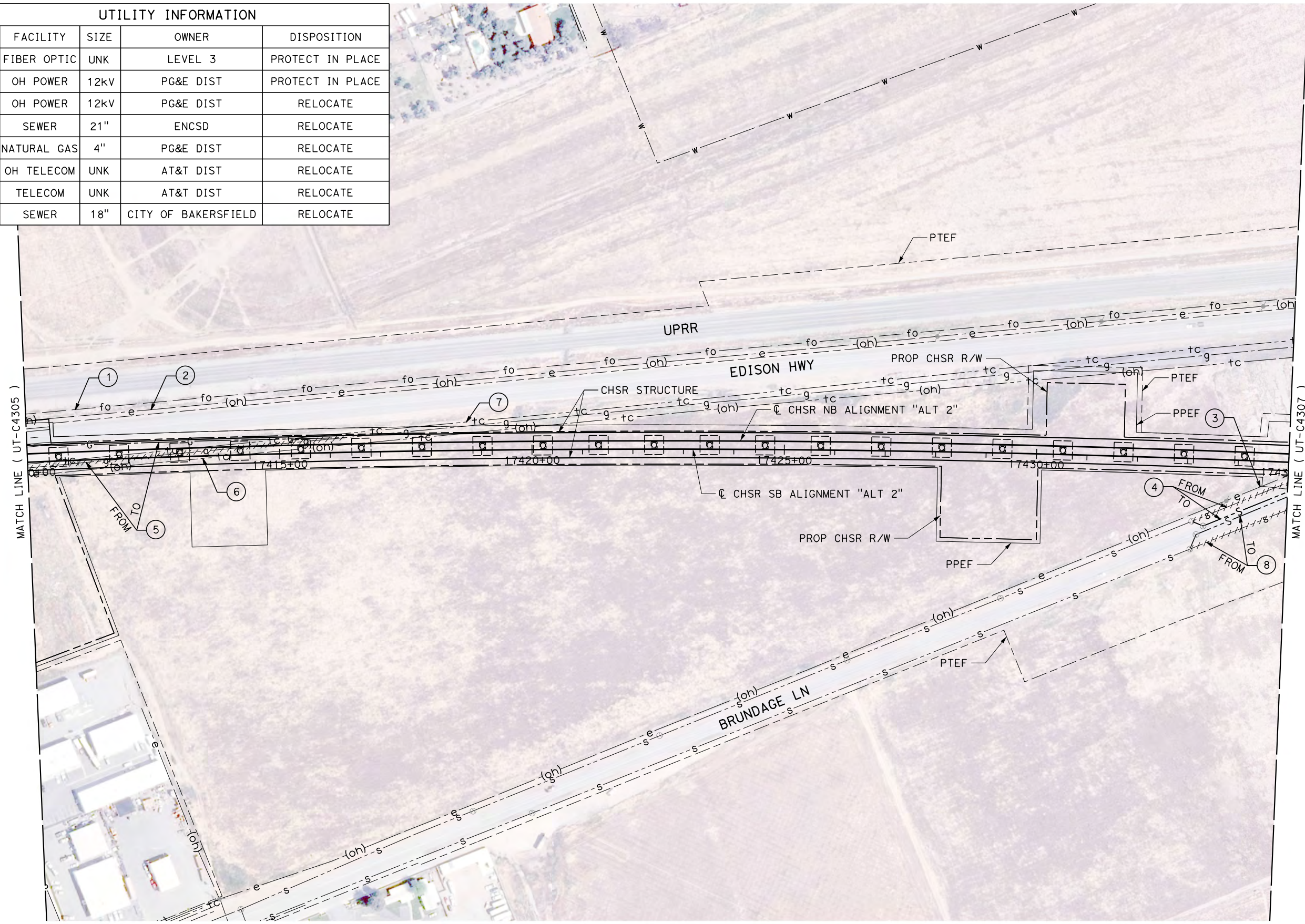
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17385+00 TO 17410+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4305
SCALE
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SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
2	OH POWER	12kV	PG&E DIST	PROTECT IN PLACE
3	OH POWER	12kV	PG&E DIST	RELOCATE
4	SEWER	21"	ENCSD	RELOCATE
5	NATURAL GAS	4"	PG&E DIST	RELOCATE
6	OH TELECOM	UNK	AT&T DIST	RELOCATE
7	TELECOM	UNK	AT&T DIST	RELOCATE
8	SEWER	18"	CITY OF BAKERSFIELD	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

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 DRAWN BY
T. SWEITZER
 CHECKED BY
D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

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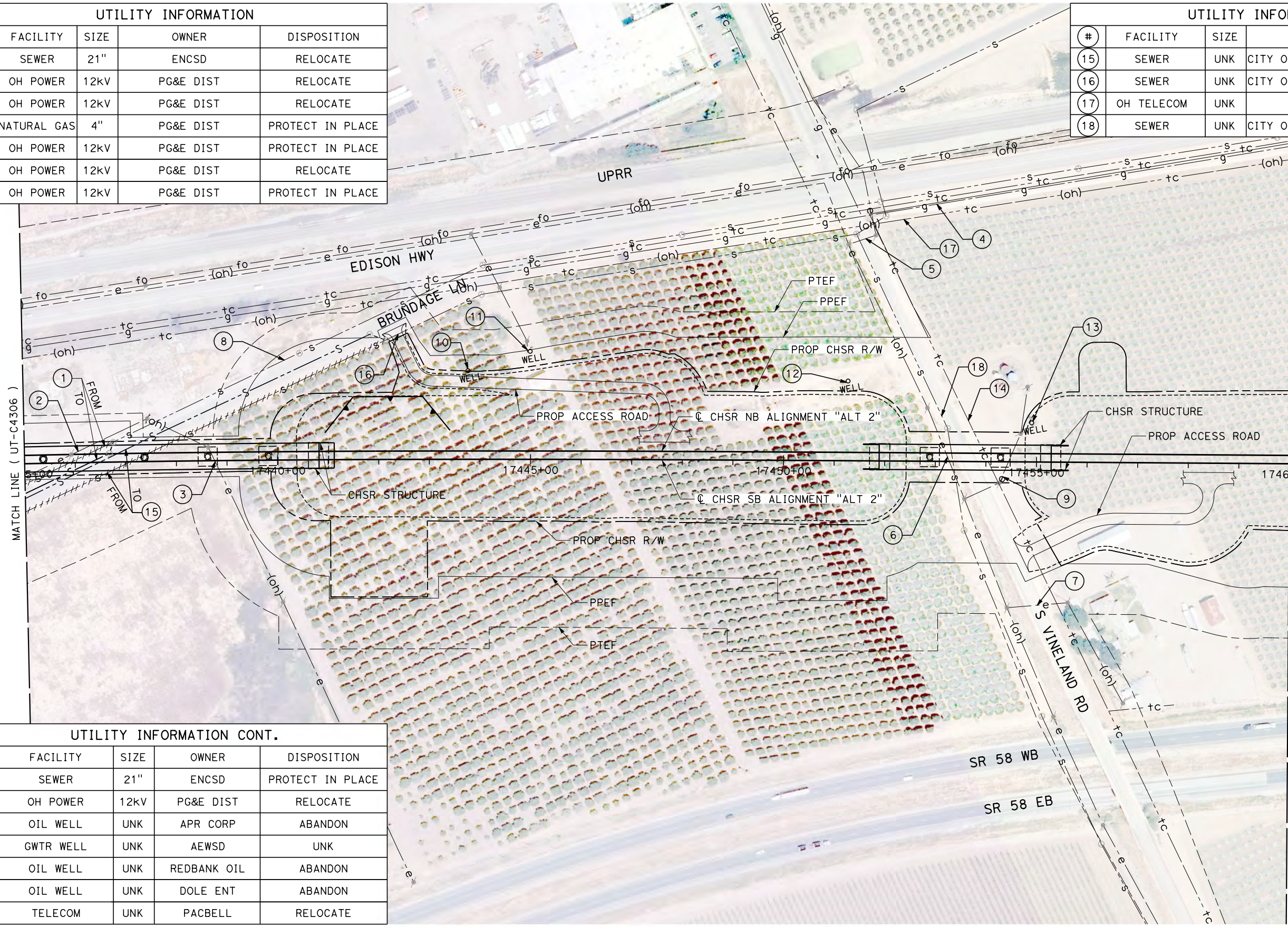
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

 ALTERNATIVE 2
 COMPOSITE UTILITY PLAN
 STA 17410+00 TO 17435+00

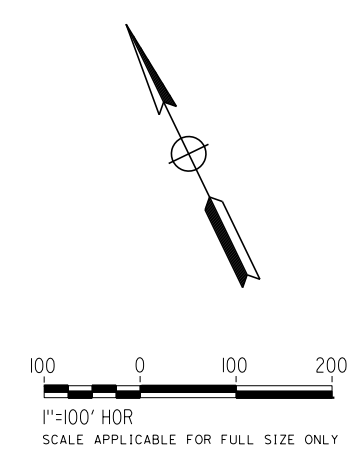
CONTRACT NO.
HSR13-44
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 SCALE
AS SHOWN
 SHEET NO.

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	21"	ENCSD	RELOCATE
2	OH POWER	12KV	PG&E DIST	RELOCATE
3	OH POWER	12KV	PG&E DIST	RELOCATE
4	NATURAL GAS	4"	PG&E DIST	PROTECT IN PLACE
5	OH POWER	12KV	PG&E DIST	PROTECT IN PLACE
6	OH POWER	12KV	PG&E DIST	RELOCATE
7	OH POWER	12KV	PG&E DIST	PROTECT IN PLACE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
15	SEWER	UNK	CITY OF BAKERSFIELD	RELOCATE
16	SEWER	UNK	CITY OF BAKERSFIELD	PROTECT IN PLACE
17	OH TELECOM	UNK	PACBELL	PROTECT IN PLACE
18	SEWER	UNK	CITY OF BAKERSFIELD	PROTECT IN PLACE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
8	SEWER	21"	ENCSD	PROTECT IN PLACE
9	OH POWER	12KV	PG&E DIST	RELOCATE
10	OIL WELL	UNK	APR CORP	ABANDON
11	GWTR WELL	UNK	AEWSD	UNK
12	OIL WELL	UNK	REDBANK OIL	ABANDON
13	OIL WELL	UNK	DOLE ENT	ABANDON
14	TELECOM	UNK	PACBELL	RELOCATE



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REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE
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DATE
10/31/2017

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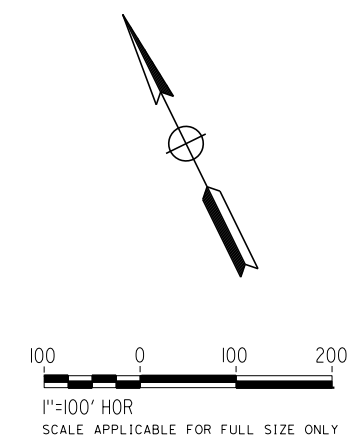
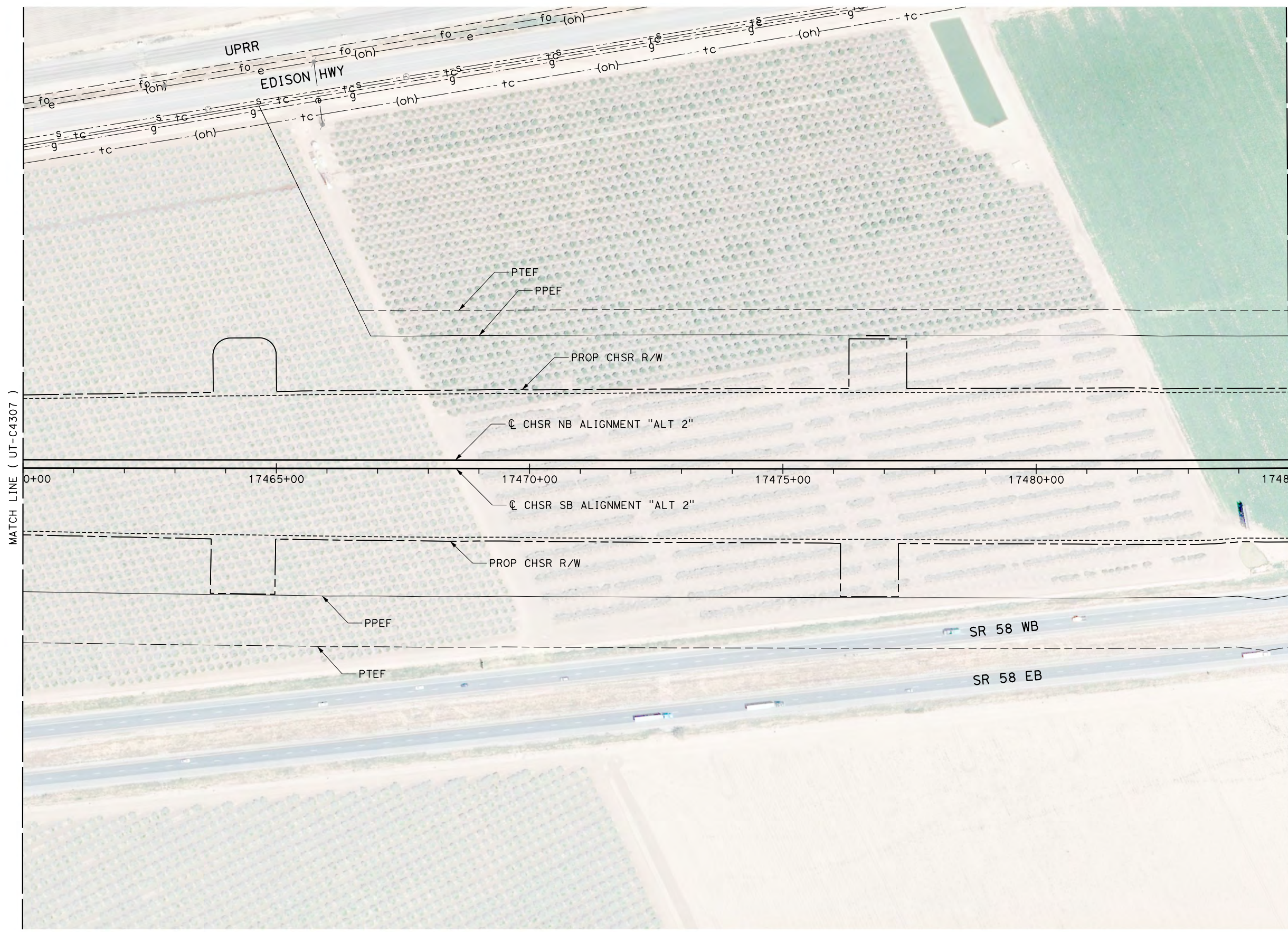
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17435+00 TO 17460+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4307
SCALE
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SHEET NO.

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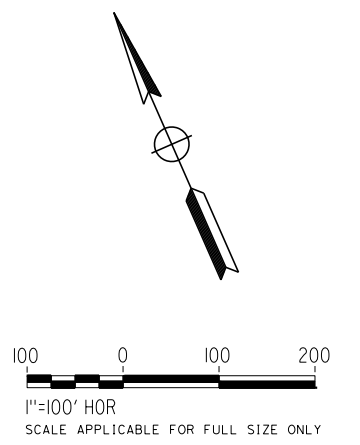
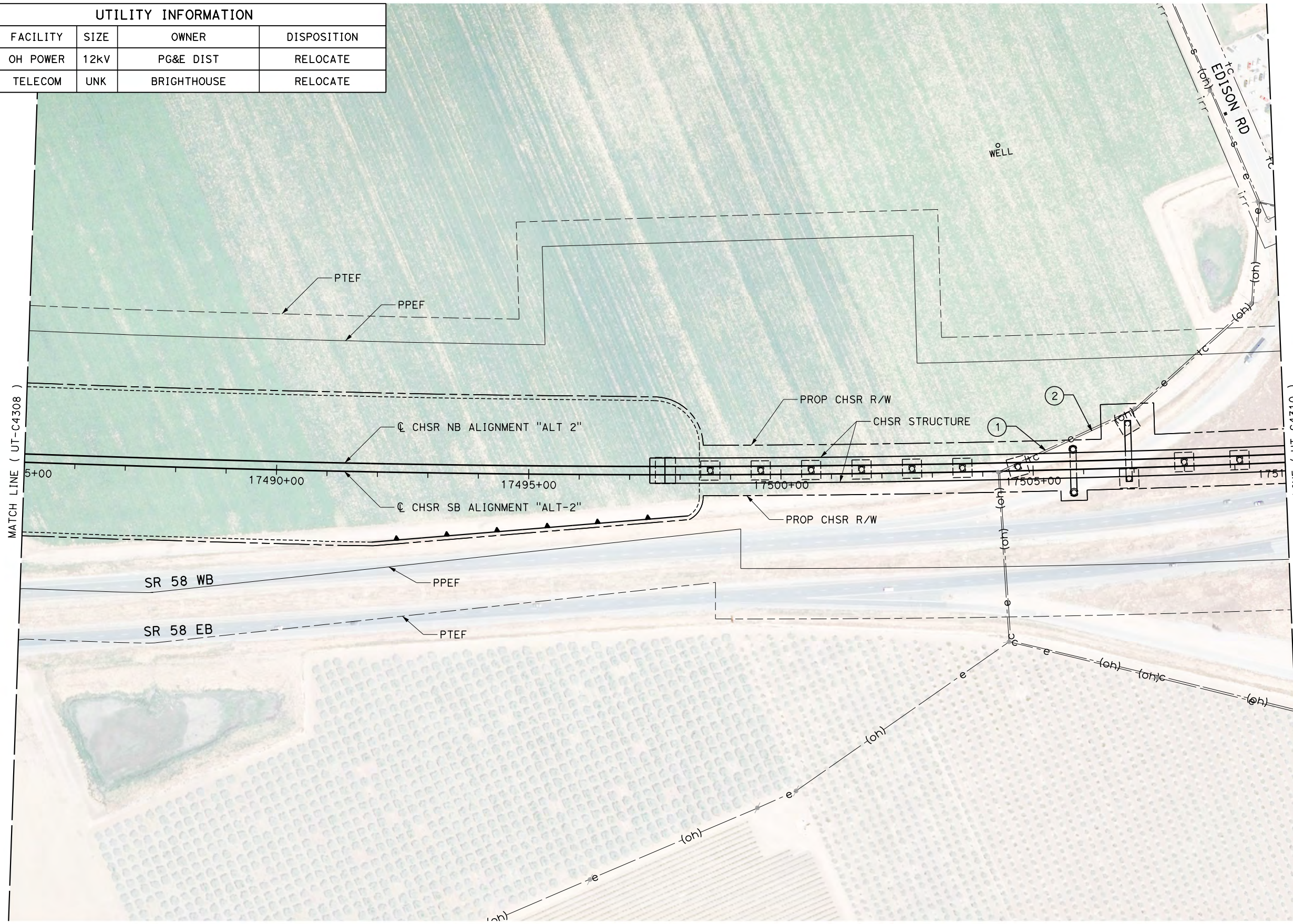
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17460+00 TO 17485+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4308
SCALE
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SHEET NO.

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 OIC:ADodge

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12KV	PG&E DIST	RELOCATE
2	TELECOM	UNK	BRIGHTHOUSE	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

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T. SWEITZER
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D. ARUTA
 IN CHARGE
S. SMITH
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10/31/2017

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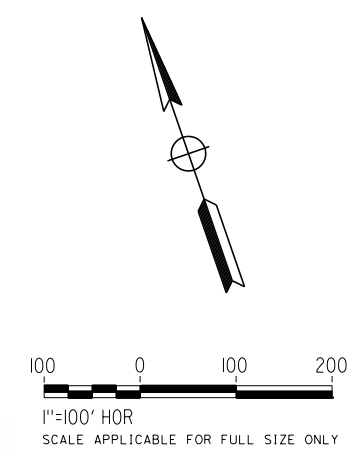
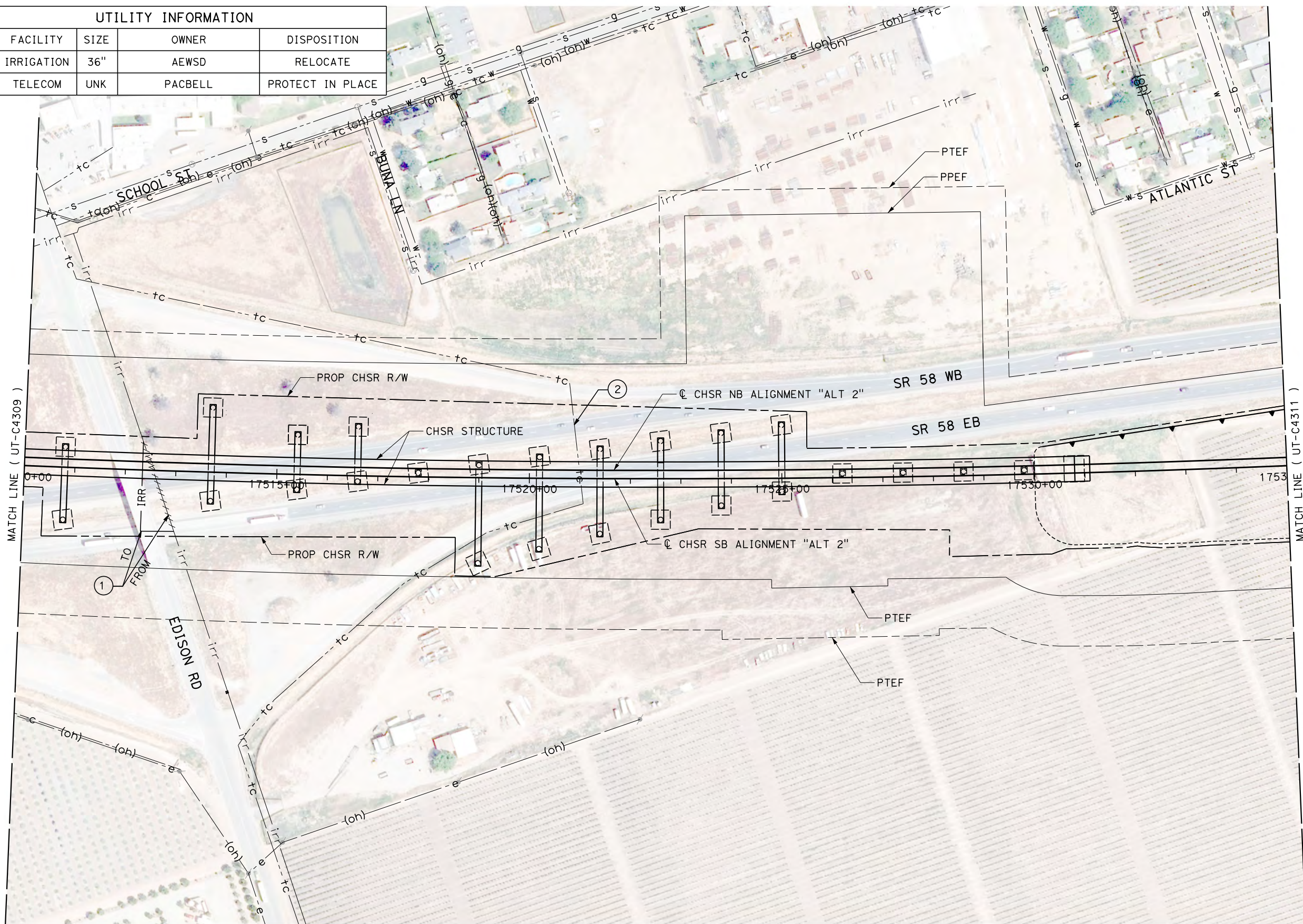


CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

 ALTERNATIVE 2
 COMPOSITE UTILITY PLAN
 STA 17485+00 TO 17510+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4309
 SCALE
AS SHOWN
 SHEET NO.

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	IRRIGATION	36"	AEWSD	RELOCATE
2	TELECOM	UNK	PACBELL	PROTECT IN PLACE



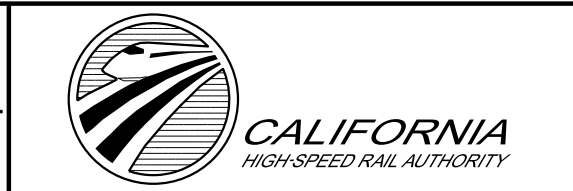
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REV	DATE	BY	CHK	APP	DESCRIPTION

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T. SWEITZER
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D. ARUTA
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S. SMITH
DATE
10/31/2017

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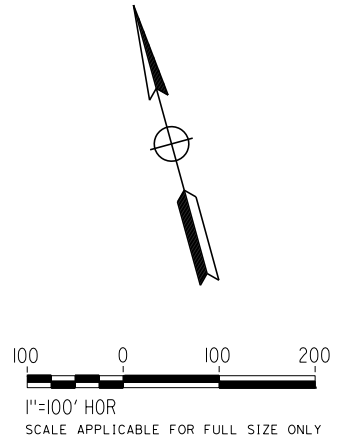
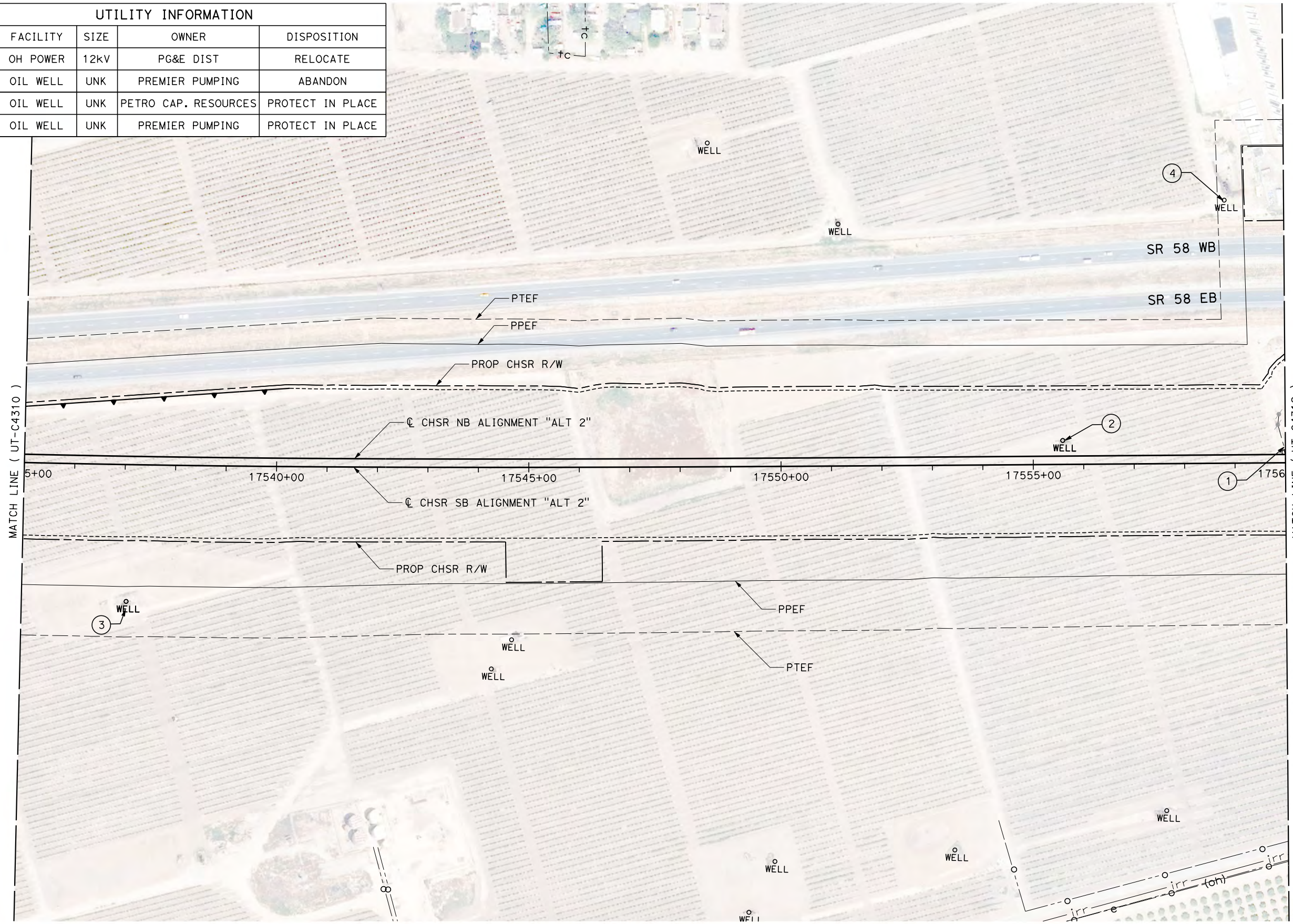
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17510+00 TO 17535+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4310
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\A1\2 (Edison A)\BP-UT-C4311.dgn 11/7/2017 3:52:21 PM OIC:Adodge

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12KV	PG&E DIST	RELOCATE
2	OIL WELL	UNK	PREMIER PUMPING	ABANDON
3	OIL WELL	UNK	PETRO CAP. RESOURCES	PROTECT IN PLACE
4	OIL WELL	UNK	PREMIER PUMPING	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SALGADO
DRAWN BY
T. SWEITZER
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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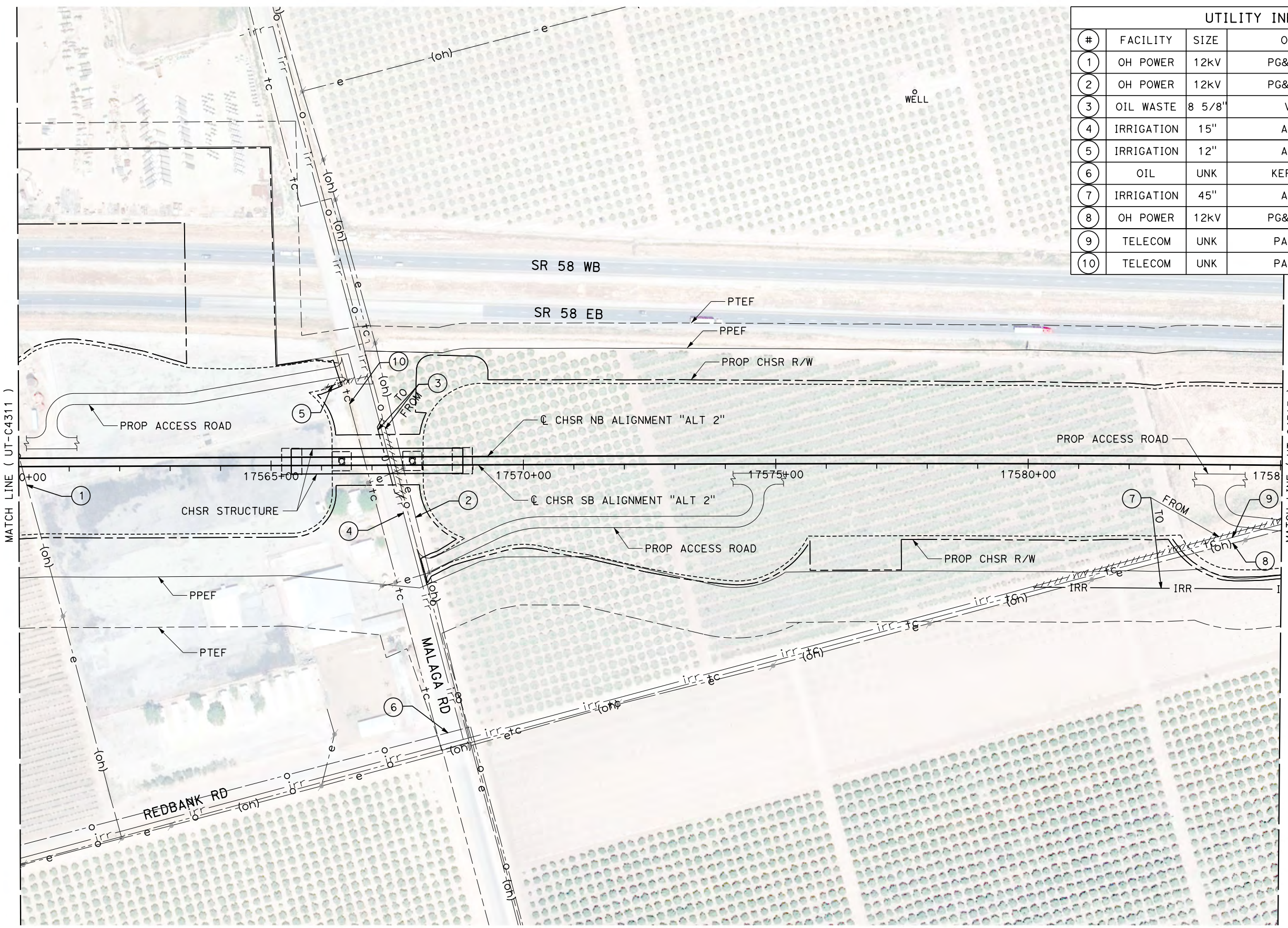
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17535+00 TO 17560+00

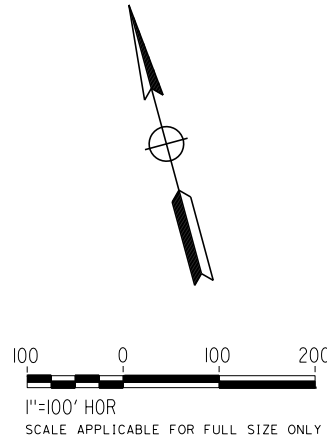
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4311
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\UT\Alt2 (Edison A)\BP-UT-C4312.dgn

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12KV	PG&E DIST	RELOCATE
2	OH POWER	12KV	PG&E DIST	RELOCATE
3	OIL WASTE	8 5/8"	VWMC	RELOCATE
4	IRRIGATION	15"	AEWSD	PROTECT IN PLACE
5	IRRIGATION	12"	AEWSD	REMOVE
6	OIL	UNK	KERN OIL	PROTECT IN PLACE
7	IRRIGATION	45"	AEWSD	RELOCATE
8	OH POWER	12KV	PG&E DIST	RELOCATE
9	TELECOM	UNK	PACBELL	RELOCATE
10	TELECOM	UNK	PACBELL	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DRAWN BY
T. SWEITZER
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IN CHARGE
S. SMITH
DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17560+00 TO 17585+00

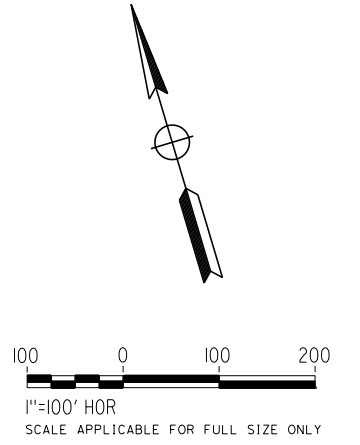
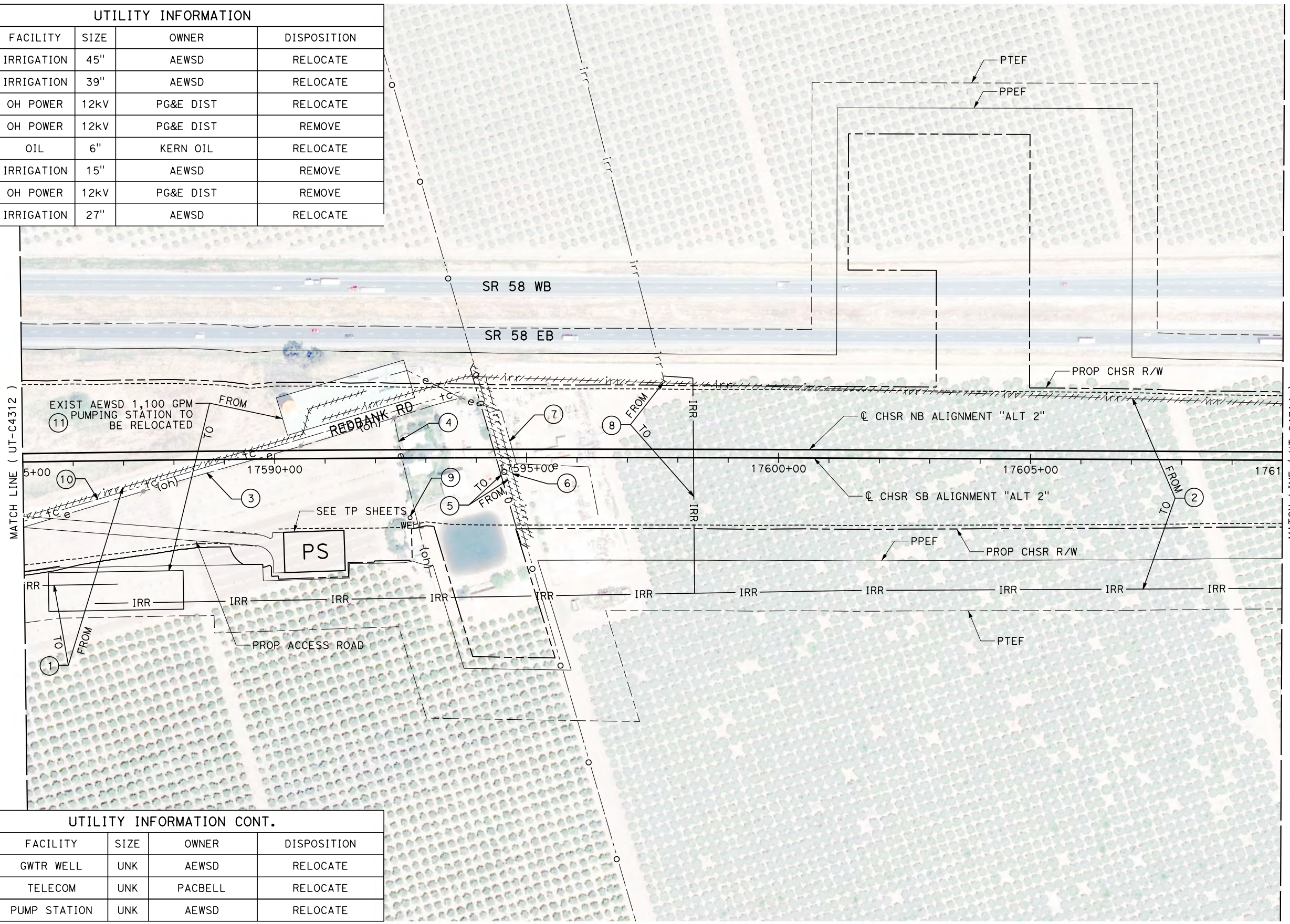
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HSR13-44
DRAWING NO.
UT-C4312
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\A1\2 (Edison A)\BP-UT-C4313.dgn

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	IRRIGATION	45"	AEWSD	RELOCATE
2	IRRIGATION	39"	AEWSD	RELOCATE
3	OH POWER	12KV	PG&E DIST	RELOCATE
4	OH POWER	12KV	PG&E DIST	REMOVE
5	OIL	6"	KERN OIL	RELOCATE
6	IRRIGATION	15"	AEWSD	REMOVE
7	OH POWER	12KV	PG&E DIST	REMOVE
8	IRRIGATION	27"	AEWSD	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
9	GWTR WELL	UNK	AEWSD	RELOCATE
10	TELECOM	UNK	PACBELL	RELOCATE
11	PUMP STATION	UNK	AEWSD	RELOCATE



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T. SWEITZER
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DATE
10/31/2017

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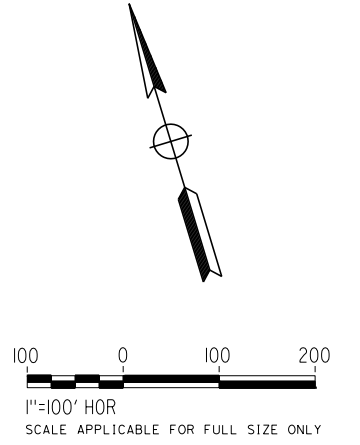
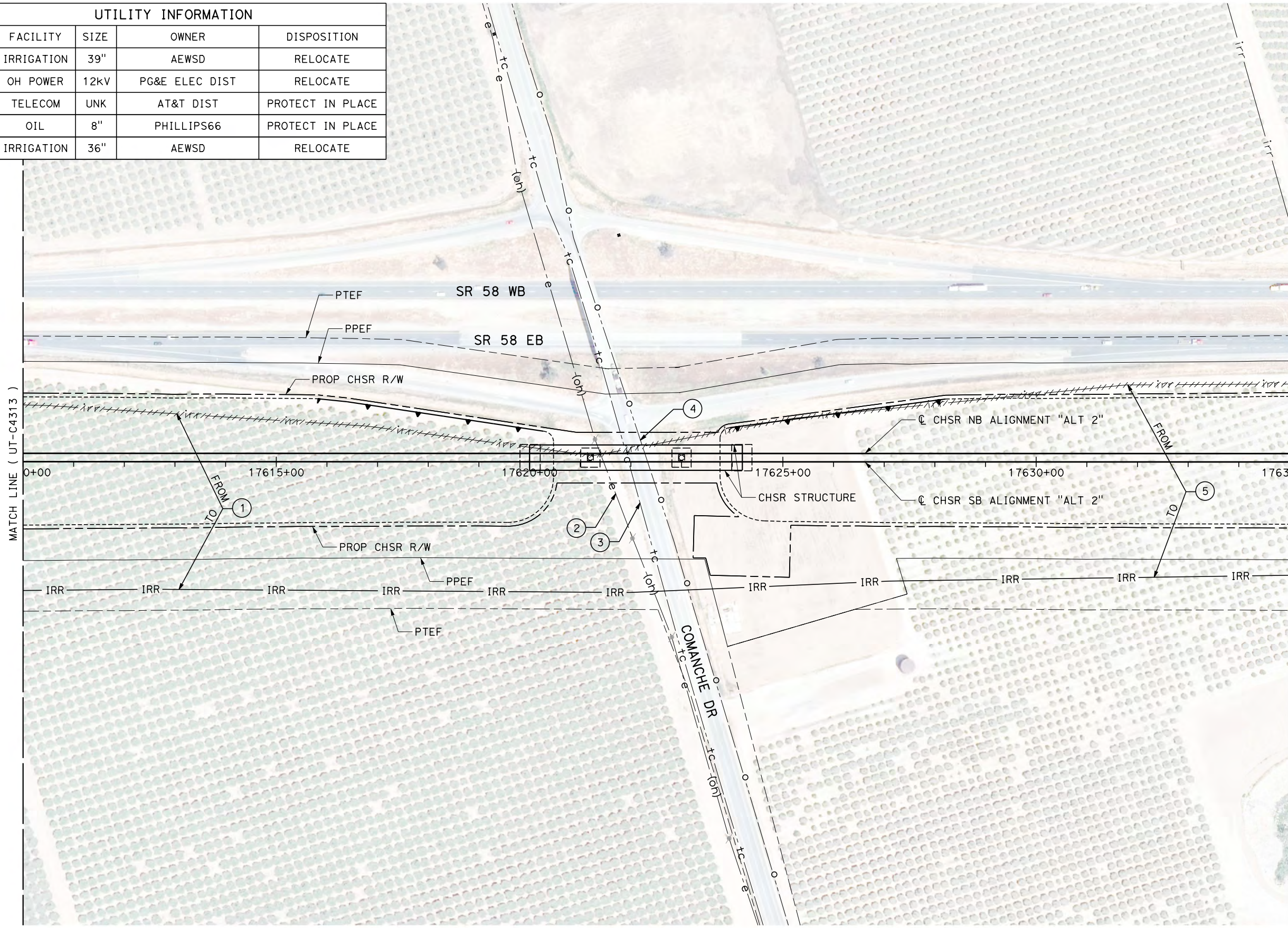
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17585+00 TO 17610+00

CONTRACT NO.
HSR13-44
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UT-C4313
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SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	IRRIGATION	39"	AEWSD	RELOCATE
2	OH POWER	12KV	PG&E ELEC DIST	RELOCATE
3	TELECOM	UNK	AT&T DIST	PROTECT IN PLACE
4	OIL	8"	PHILLIPS66	PROTECT IN PLACE
5	IRRIGATION	36"	AEWSD	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

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T. SWEITZER
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S. SMITH
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10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17610+00 TO 17635+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4314

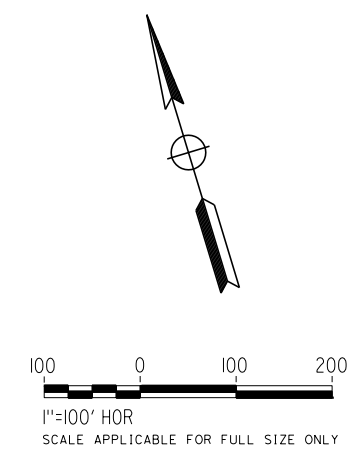
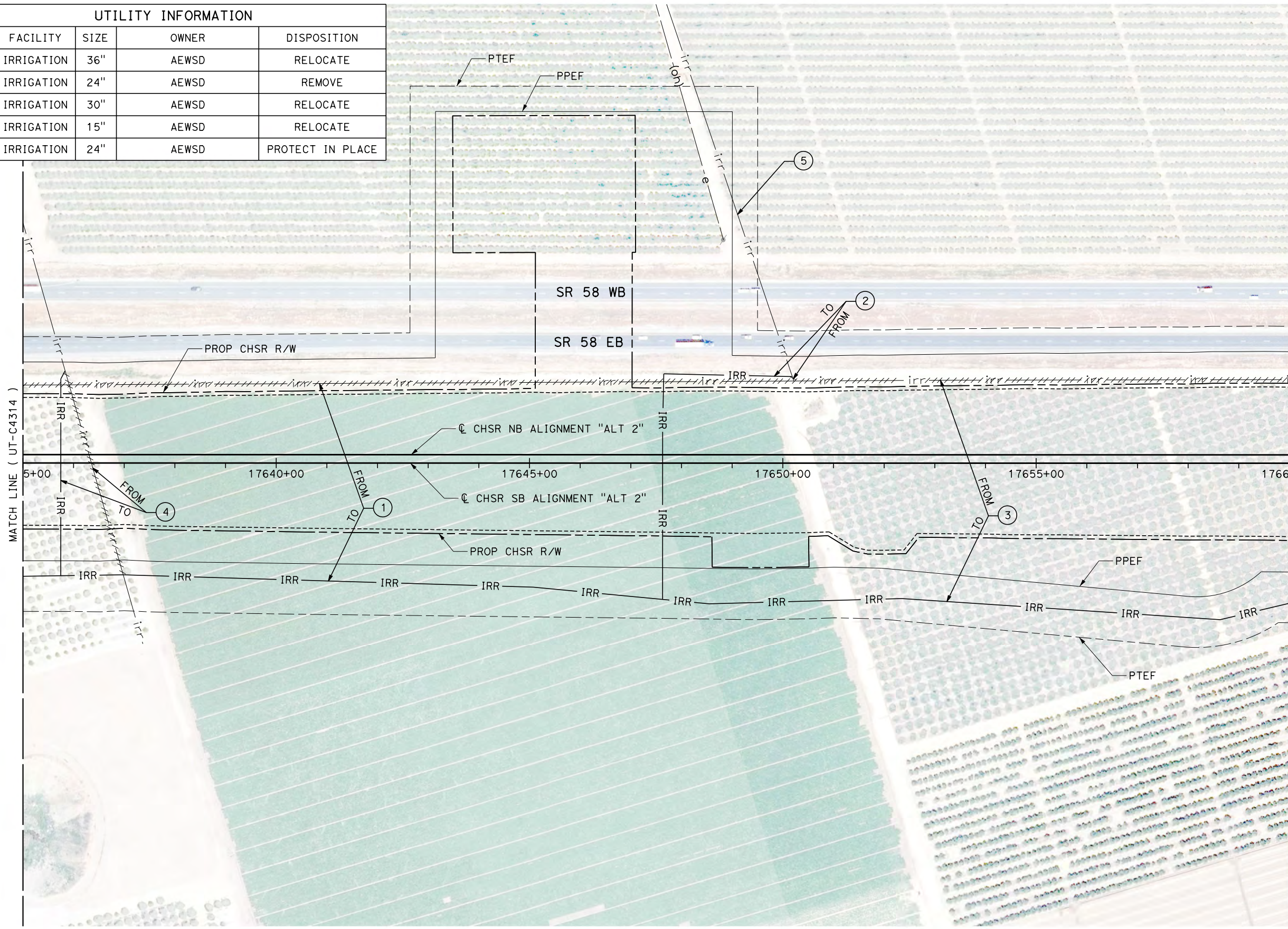
SCALE
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SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\UT\A1\2 (Edison A)\BP-UT-C4315.dgn

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	IRRIGATION	36"	AEWSD	RELOCATE
2	IRRIGATION	24"	AEWSD	REMOVE
3	IRRIGATION	30"	AEWSD	RELOCATE
4	IRRIGATION	15"	AEWSD	RELOCATE
5	IRRIGATION	24"	AEWSD	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

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T. SWEITZER
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S. SMITH
DATE
10/31/2017

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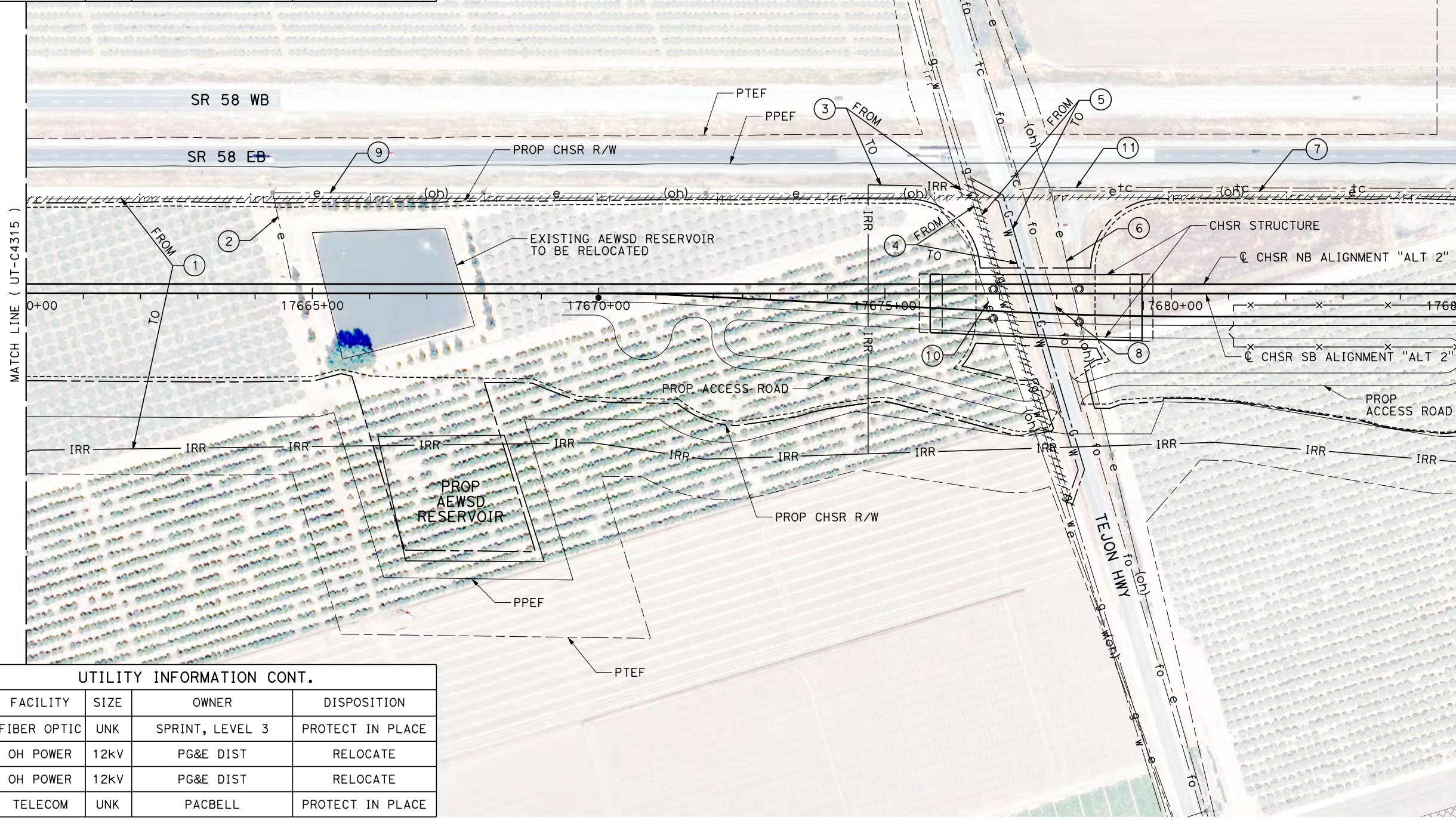
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17635+00 TO 17660+00

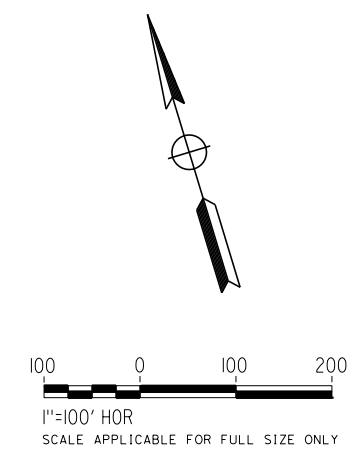
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4315
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\1\12 (Edison A)\BP-UT-C4316.dgn 11/7/2017 3:52:24 PM OIC:Adodge

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	IRRIGATION	30"	AEWSD	RELOCATE
2	OH POWER	12kV	PG&E DIST	REMOVE
3	IRRIGATION	15"	AEWSD	RELOCATE
4	WATER	3"	NAFTEX	RELOCATE
5	NATURAL GAS	3"	NAFTEX	RELOCATE
6	OH POWER	12kV	PG&E DIST	RELOCATE
7	OH POWER	12kV	PG&E DIST	PROTECT IN PLACE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
8	FIBER OPTIC	UNK	SPRINT, LEVEL 3	PROTECT IN PLACE
9	OH POWER	12kV	PG&E DIST	RELOCATE
10	OH POWER	12kV	PG&E DIST	RELOCATE
11	TELECOM	UNK	PACBELL	PROTECT IN PLACE

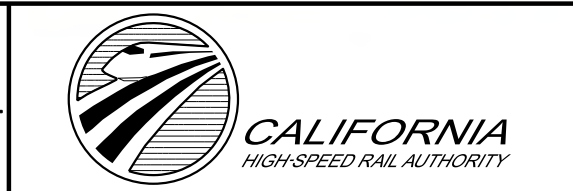


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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17660+00 TO 17685+00

CONTRACT NO.
HSR13-44

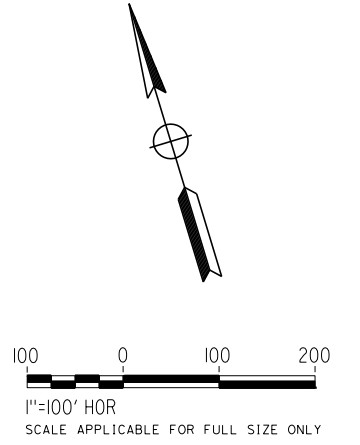
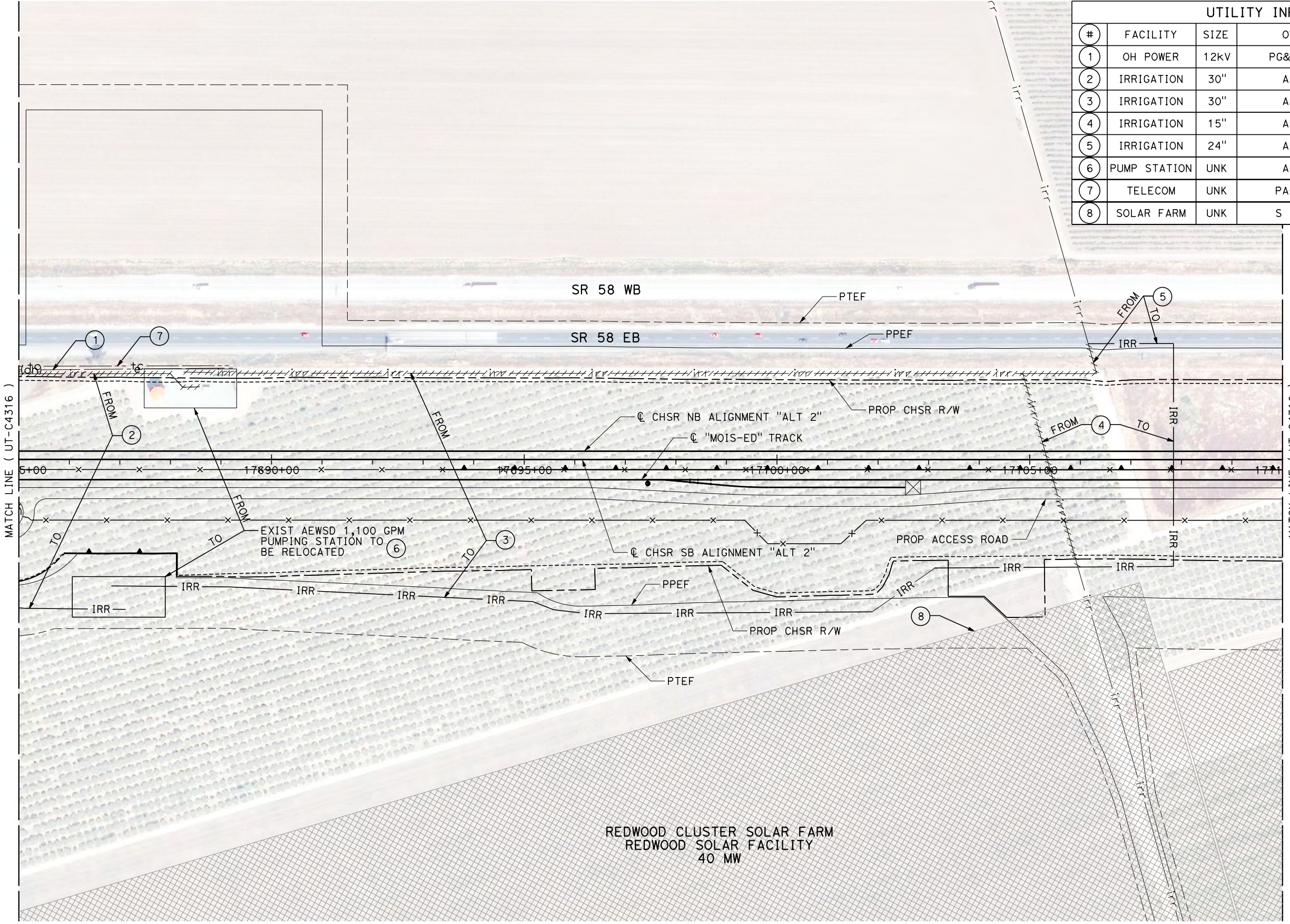
DRAWING NO.
UT-C4316

SCALE
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SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\A1\T2 (Edison A)\BP-UT-C4317.dgn 11/7/2017 3:53:28 PM OIC:Adodge

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12kV	PG&E DIST	PROTECT IN PLACE
2	IRRIGATION	30"	AEWSD	RELOCATE
3	IRRIGATION	30"	AEWSD	RELOCATE
4	IRRIGATION	15"	AEWSD	RELOCATE
5	IRRIGATION	24"	AEWSD	RELOCATE
6	PUMP STATION	UNK	AEWSD	RELOCATE
7	TELECOM	UNK	PACBELL	PROTECT IN PLACE
8	SOLAR FARM	UNK	S POWER	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SALGADO
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T. SWEITZER
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D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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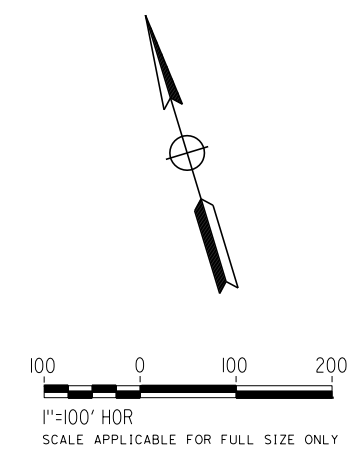
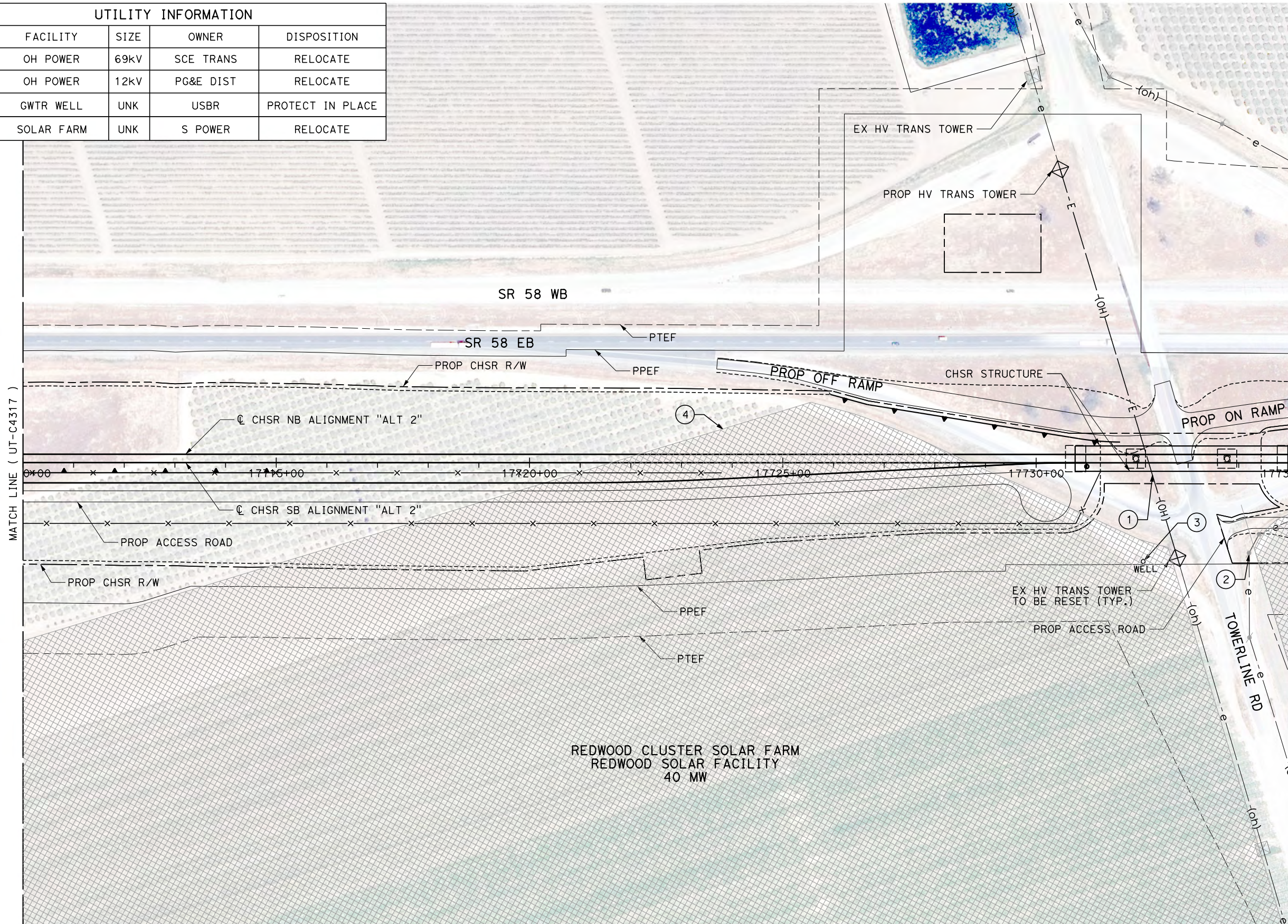
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17685+00 TO 17710+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4317
SCALE
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SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	69KV	SCE TRANS	RELOCATE
2	OH POWER	12KV	PG&E DIST	RELOCATE
3	GWTR WELL	UNK	USBR	PROTECT IN PLACE
4	SOLAR FARM	UNK	S POWER	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SALGADO
 DRAWN BY
T. SWEITZER
 CHECKED BY
D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

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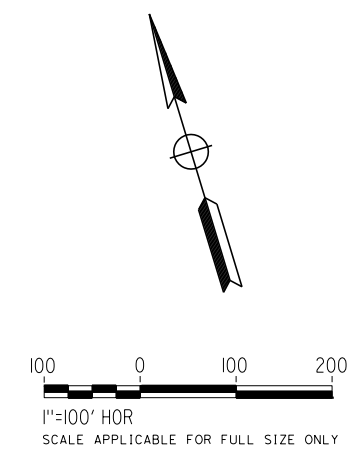
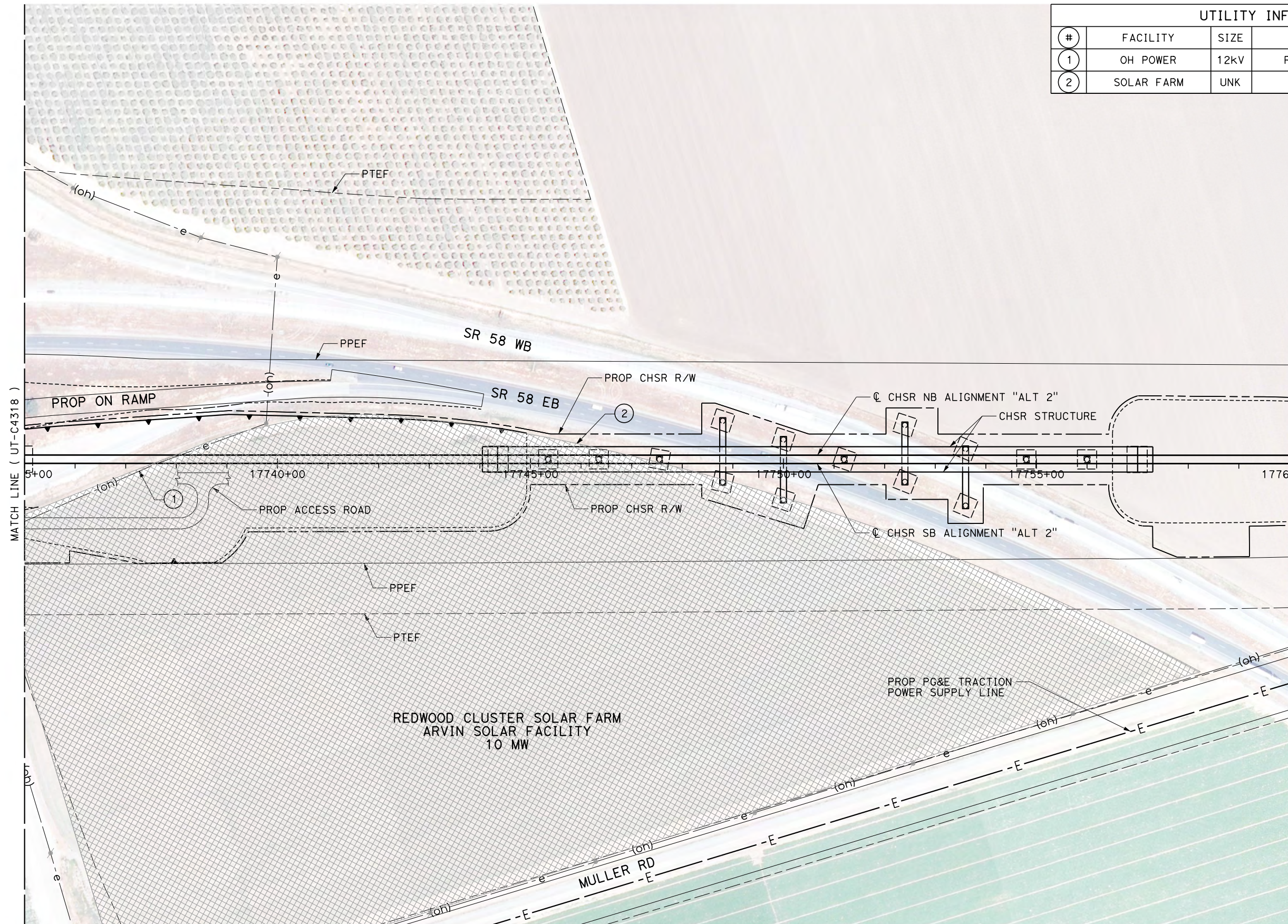
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 2
 COMPOSITE UTILITY PLAN
 STA 17710+00 TO 17735+00

CONTRACT NO.
HSR13-44
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UT-C4318
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 OIC:Adodge

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12kV	PG&E DIST	RELOCATE
2	SOLAR FARM	UNK	S POWER	RELOCATE



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S. SMITH
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

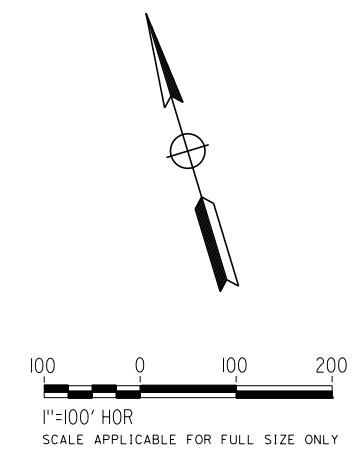
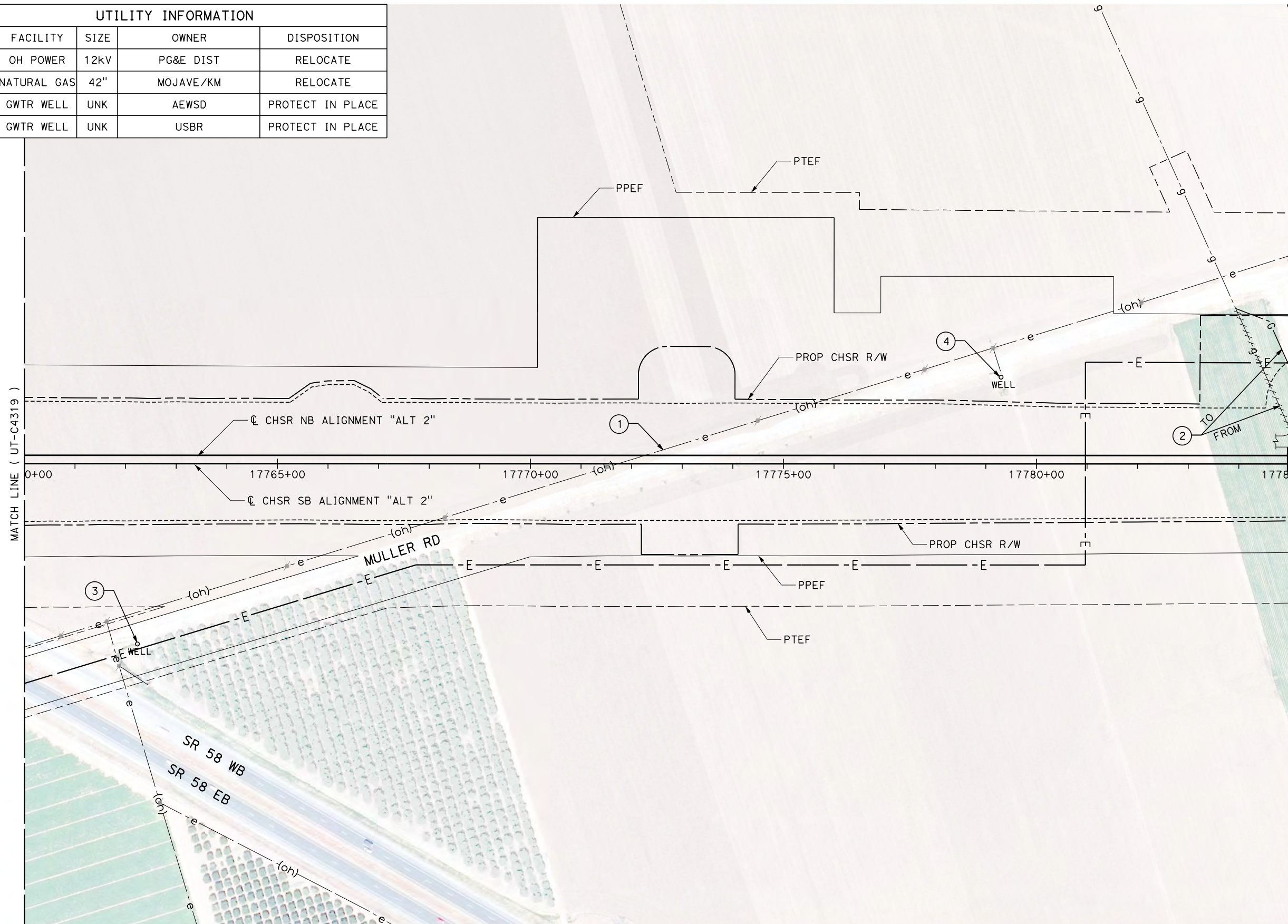
 ALTERNATIVE 2
 COMPOSITE UTILITY PLAN
 STA 17735+00 TO 17760+00

CONTRACT NO.
HSR13-44
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UT-C4319
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12kV	PG&E DIST	RELOCATE
2	NATURAL GAS	42"	MOJAVE/KM	RELOCATE
3	GWTR WELL	UNK	AEWSD	PROTECT IN PLACE
4	GWTR WELL	UNK	USBR	PROTECT IN PLACE



REV	DATE	BY	CHK	APP	DESCRIPTION

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

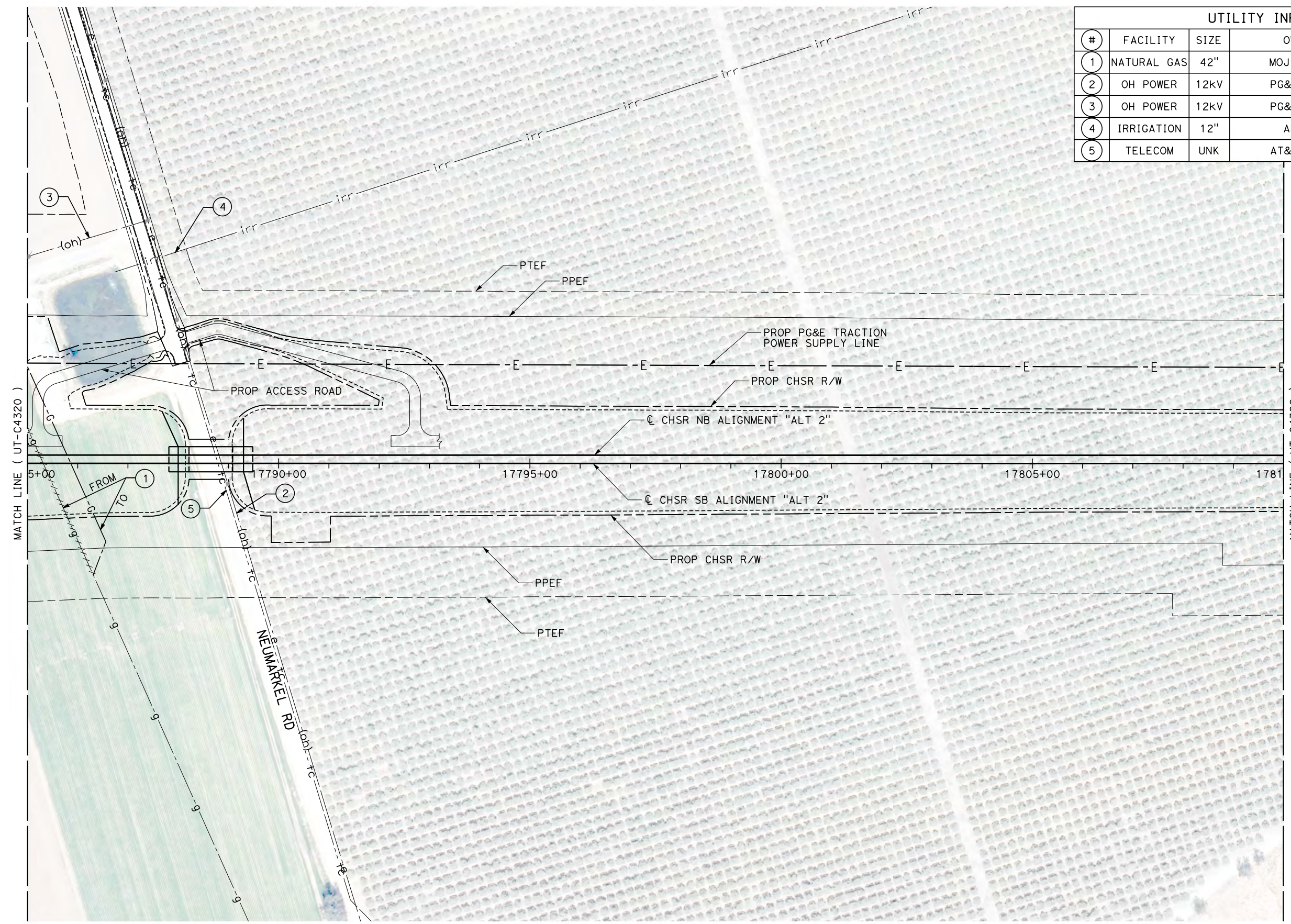
ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17760+00 TO 17785+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4320
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\1\12 (Edison A)\BP-UT-C4321.dgn

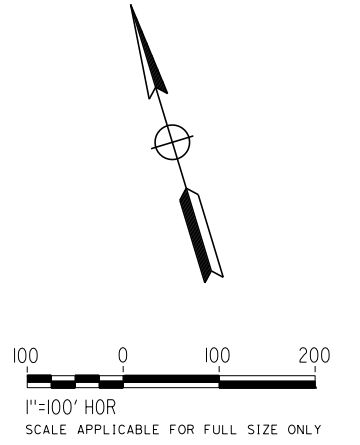
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	42"	MOJAVE/KM	RELOCATE
2	OH POWER	12kV	PG&E DIST	RELOCATE
3	OH POWER	12kV	PG&E DIST	PROTECT IN PLACE
4	IRRIGATION	12"	AEWSD	PROTECT IN PLACE
5	TELECOM	UNK	AT&T DIST	RELOCATE



MATCH LINE (UT-C4322)

MATCH LINE (UT-C4320)



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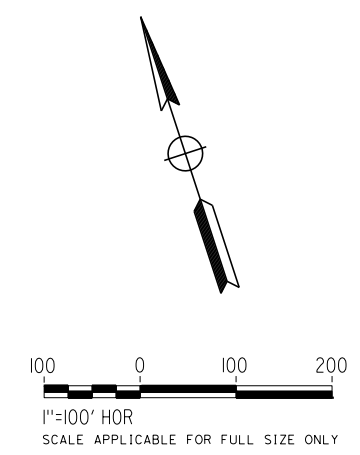
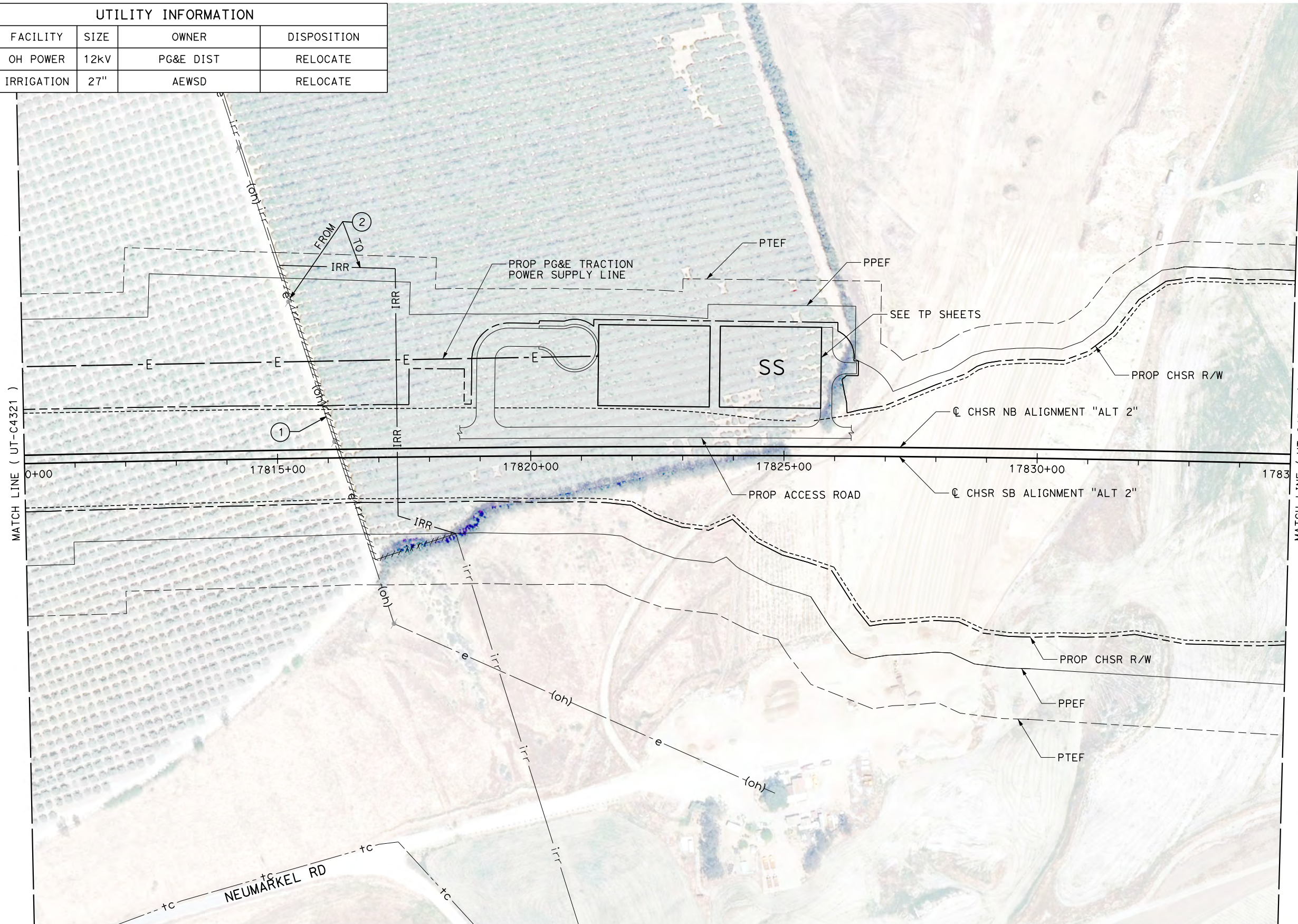


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17785+00 TO 17810+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4321
SCALE
AS SHOWN
SHEET NO.

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12KV	PG&E DIST	RELOCATE
2	IRRIGATION	27"	AEWSD	RELOCATE



Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\A1\2 (Edison A)\BP-UT-C4322.dgn
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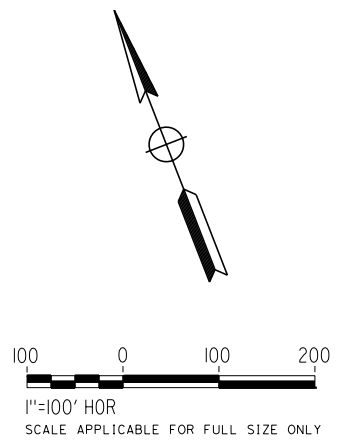
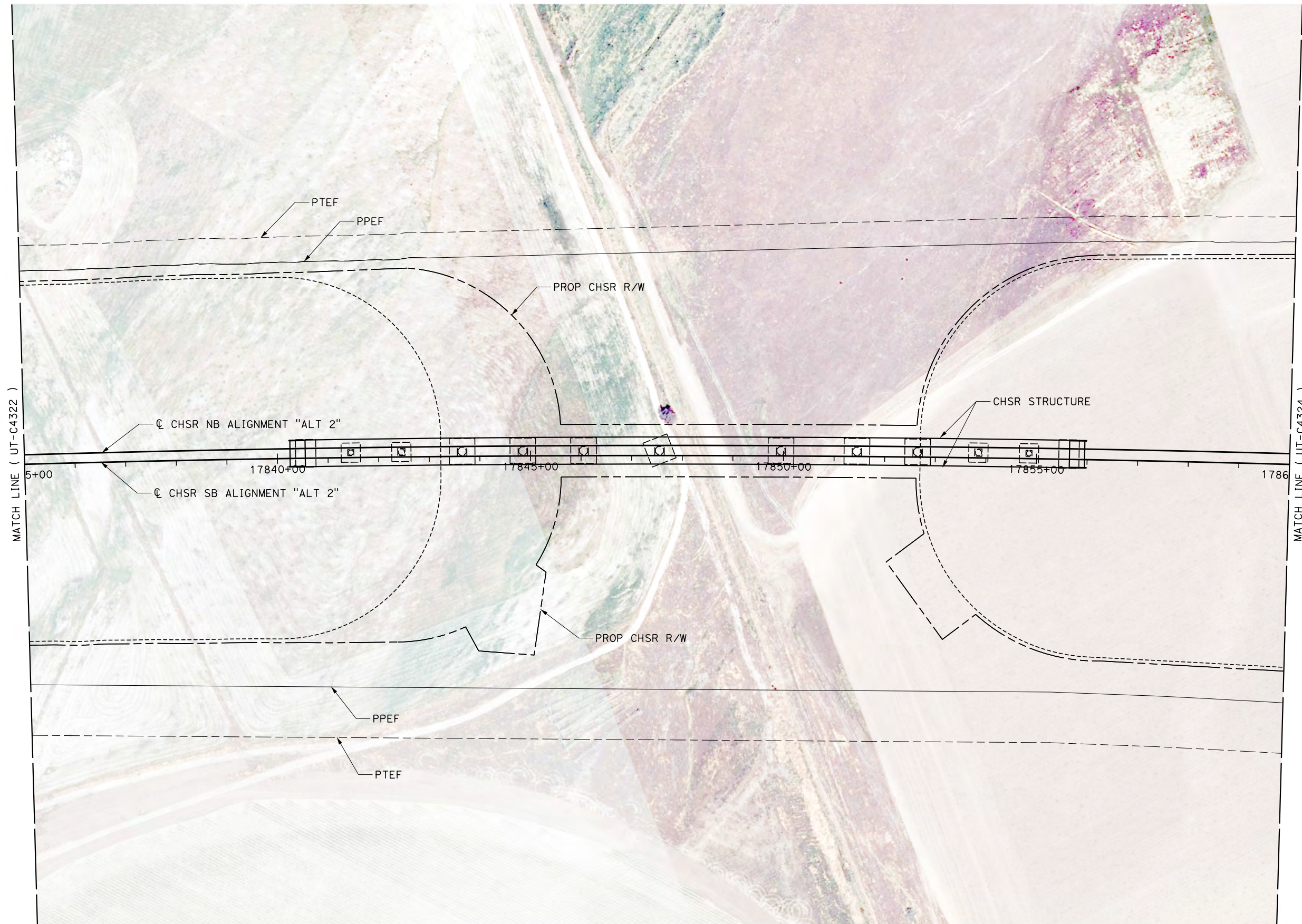
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 2
 COMPOSITE UTILITY PLAN
 STA 17810+00 TO 17835+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4322
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 SHEET NO.

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

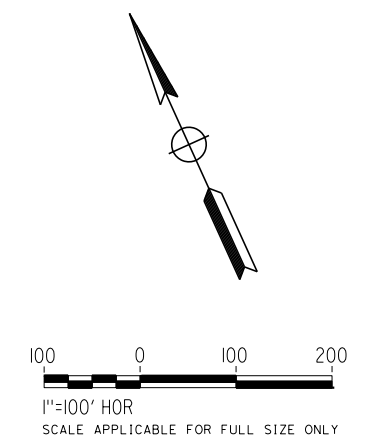
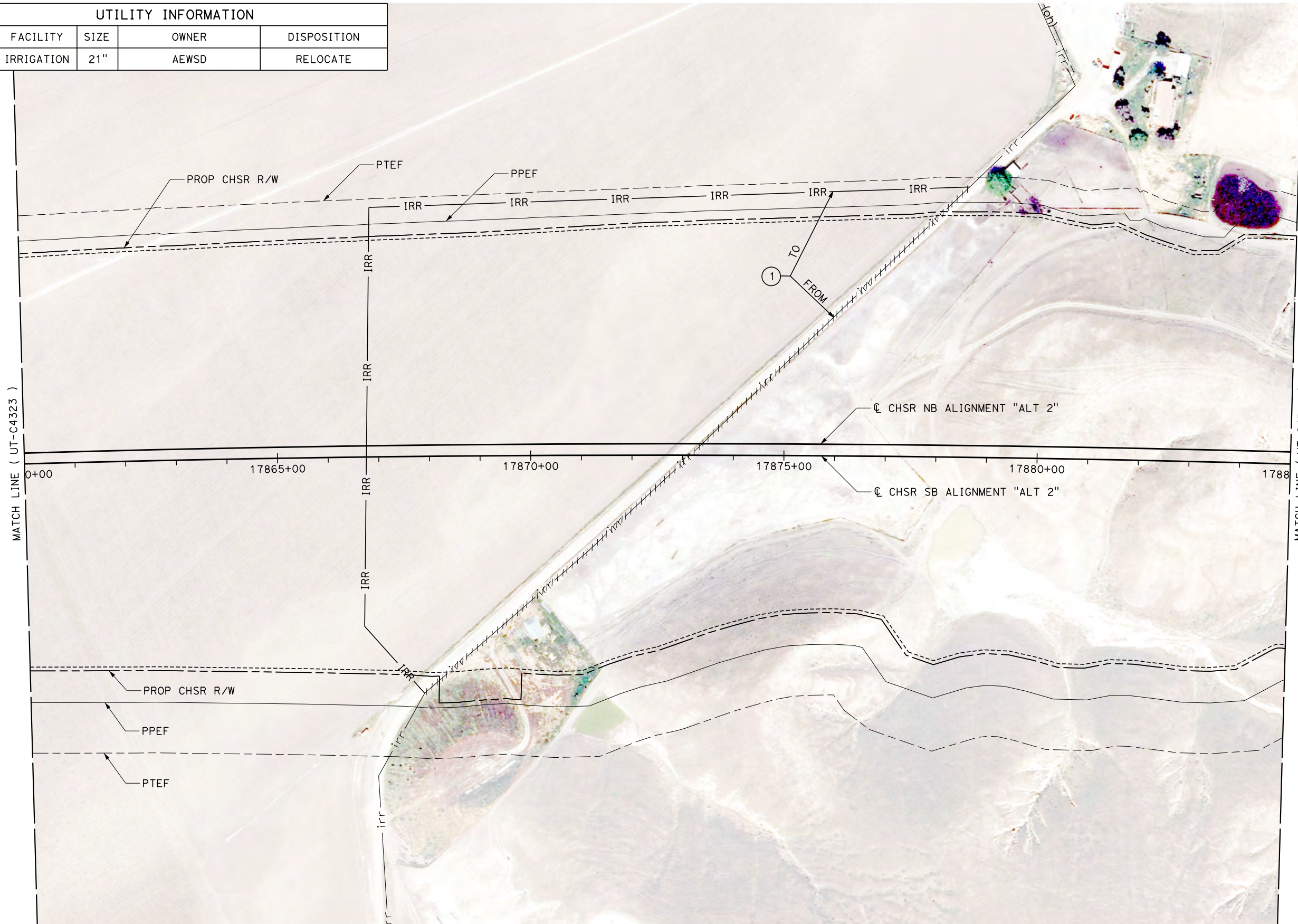
ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17835+00 TO 17860+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4323
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\A1\12 (Edison A)\BP-UT-C4324.dgn

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	IRRIGATION	21"	AEWSD	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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S. SMITH

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10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17860+00 TO 17885+00

CONTRACT NO.
HSR13-44

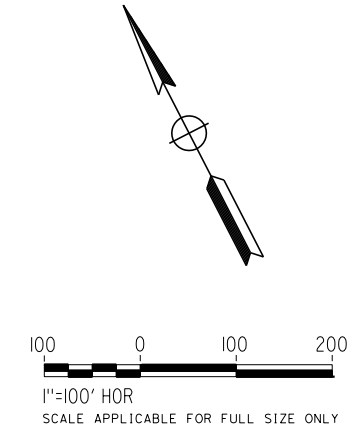
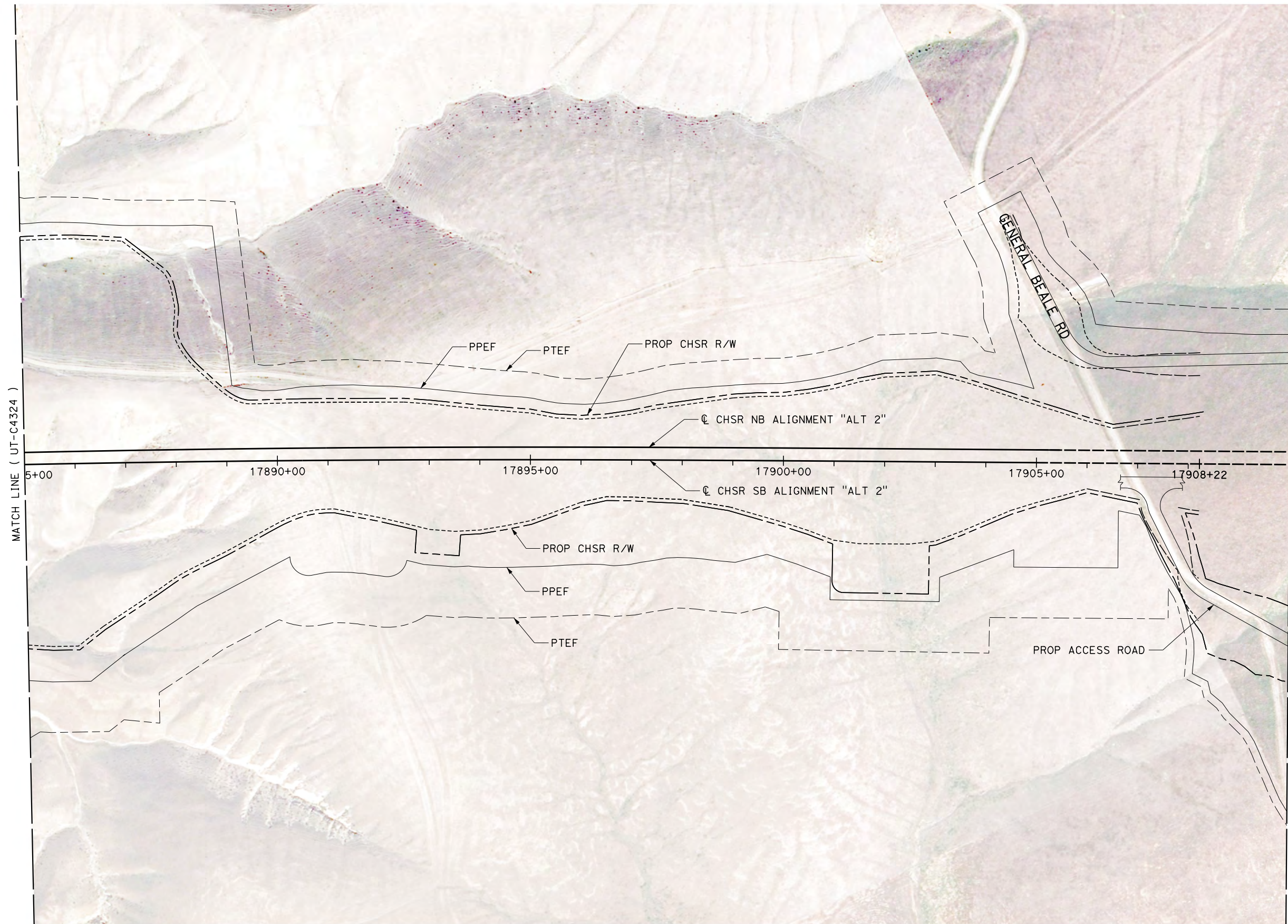
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UT-C4324

SCALE
AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\Alt2 (Edison A)\BP-UT-C4325.dgn

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17885+00 TO 17908+22

CONTRACT NO.
HSR13-44

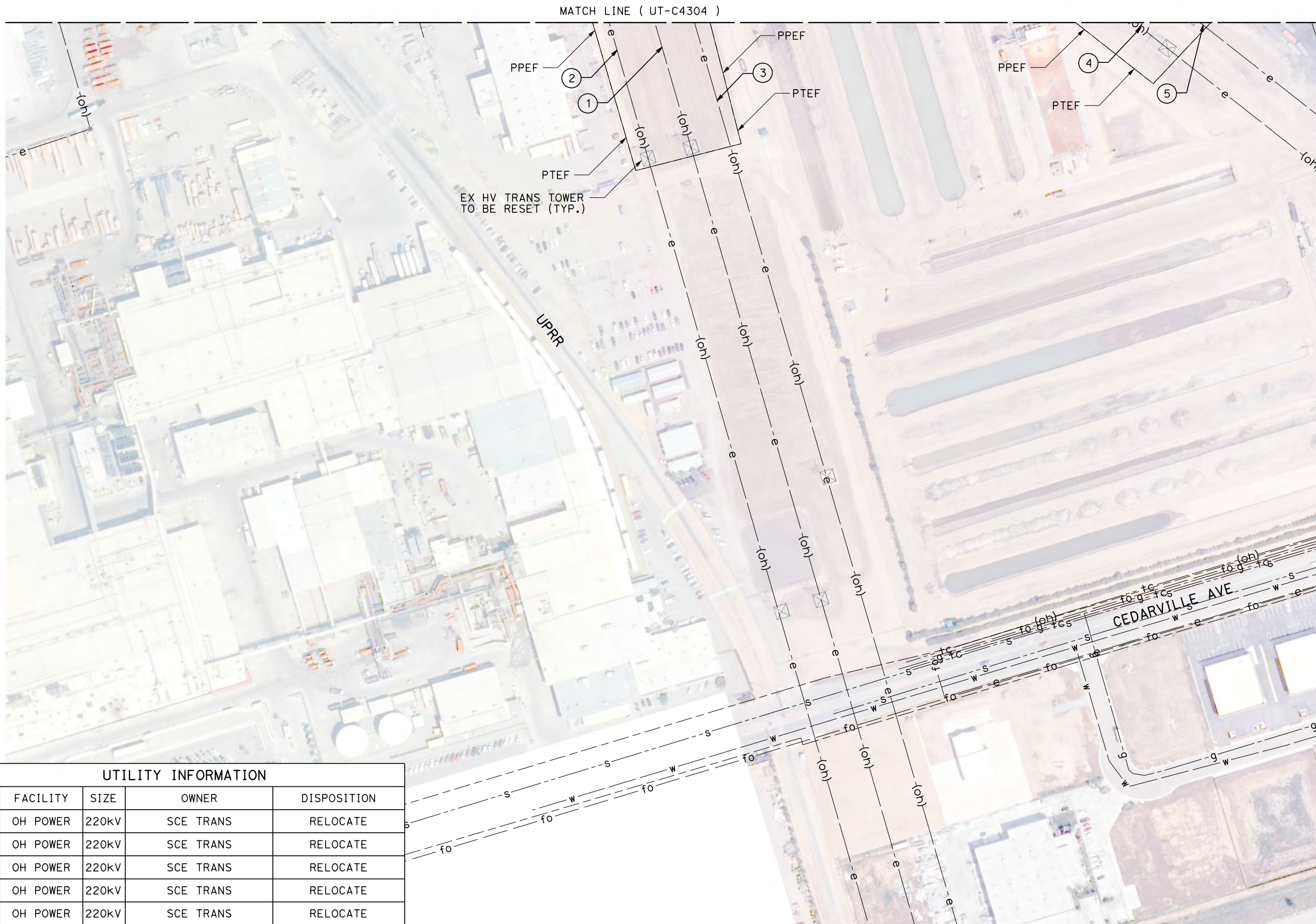
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UT-C4325

SCALE
AS SHOWN

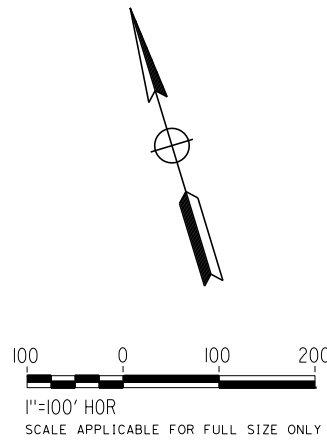
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Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\A1\12 (Edison A)\BP-UT-C4331.dgn

OIC:Adodge 11/7/2017 3:51:16 PM



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	220kV	SCE TRANS	RELOCATE
2	OH POWER	220kV	SCE TRANS	RELOCATE
3	OH POWER	220kV	SCE TRANS	RELOCATE
4	OH POWER	220kV	SCE TRANS	RELOCATE
5	OH POWER	220kV	SCE TRANS	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SALGADO
DRAWN BY
T. SWEITZER
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

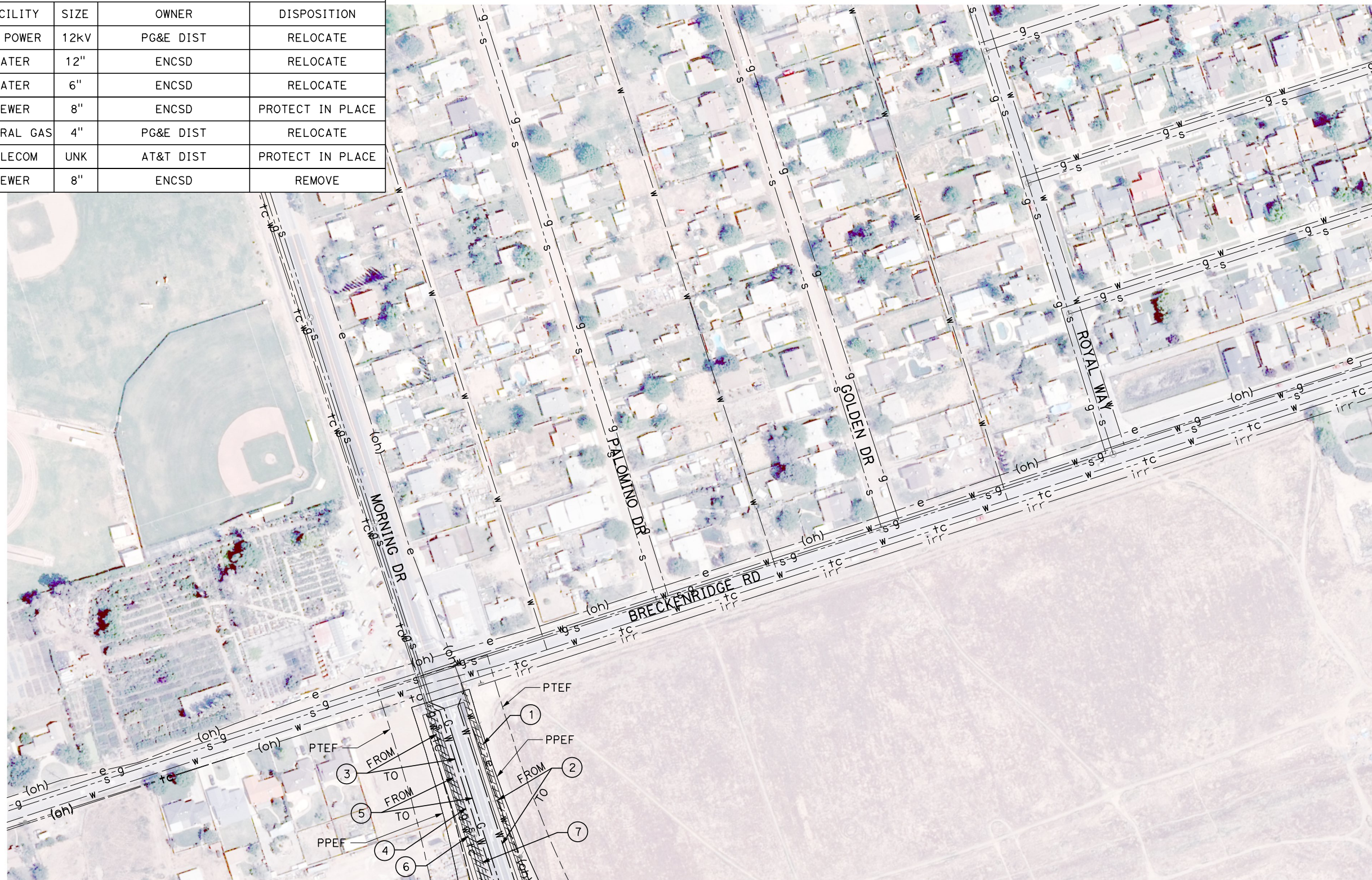
ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17360+00 TO 17385+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4331
SCALE
AS SHOWN
SHEET NO.

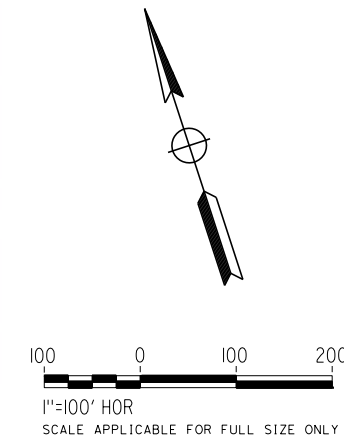
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OIC:ARIVERA 11/13/2017 5:27:31 PM

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12kV	PG&E DIST	RELOCATE
2	WATER	12"	ENCSD	RELOCATE
3	WATER	6"	ENCSD	RELOCATE
4	SEWER	8"	ENCSD	PROTECT IN PLACE
5	NATURAL GAS	4"	PG&E DIST	RELOCATE
6	TELECOM	UNK	AT&T DIST	PROTECT IN PLACE
7	SEWER	8"	ENCSD	REMOVE



MATCH LINE (UT-C4305)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SALGADO
DRAWN BY
T. SWEITZER
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

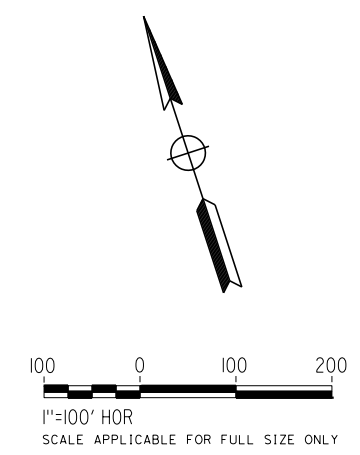
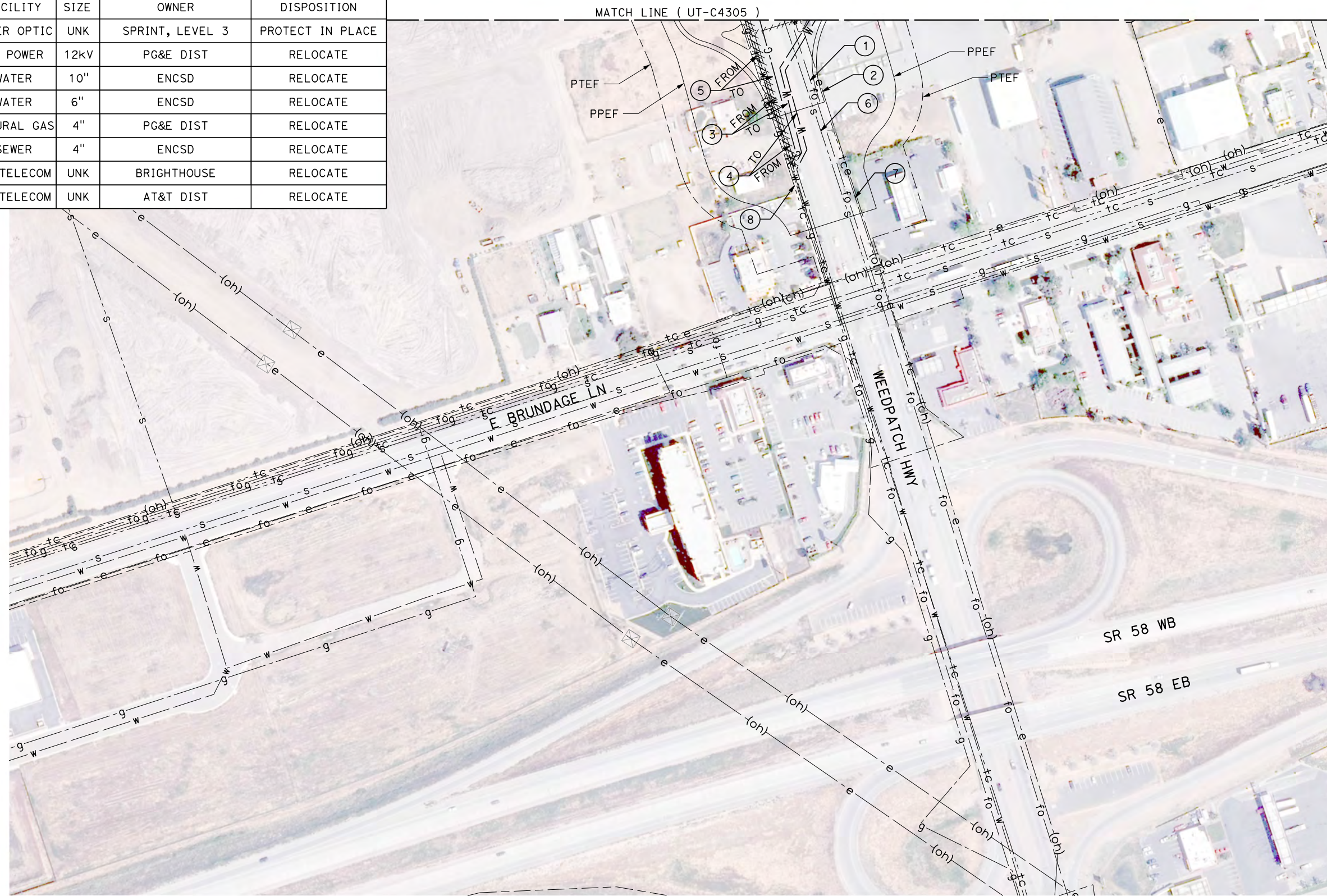
ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17385+00 TO 17410+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4332
SCALE
AS SHOWN
SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\1\12 (Edison A)\BP-UT-C4333.dgn

OIC: Adodge 11/7/2017 3:51:07 PM

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	SPRINT, LEVEL 3	PROTECT IN PLACE
2	OH POWER	12KV	PG&E DIST	RELOCATE
3	WATER	10"	ENCSD	RELOCATE
4	WATER	6"	ENCSD	RELOCATE
5	NATURAL GAS	4"	PG&E DIST	RELOCATE
6	SEWER	4"	ENCSD	RELOCATE
7	OH TELECOM	UNK	BRIGHTHOUSE	RELOCATE
8	OH TELECOM	UNK	AT&T DIST	RELOCATE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. SALGADO
DRAWN BY
T. SWEITZER
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
COMPOSITE UTILITY PLAN
STA 17385+00 TO 17410+00

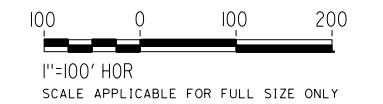
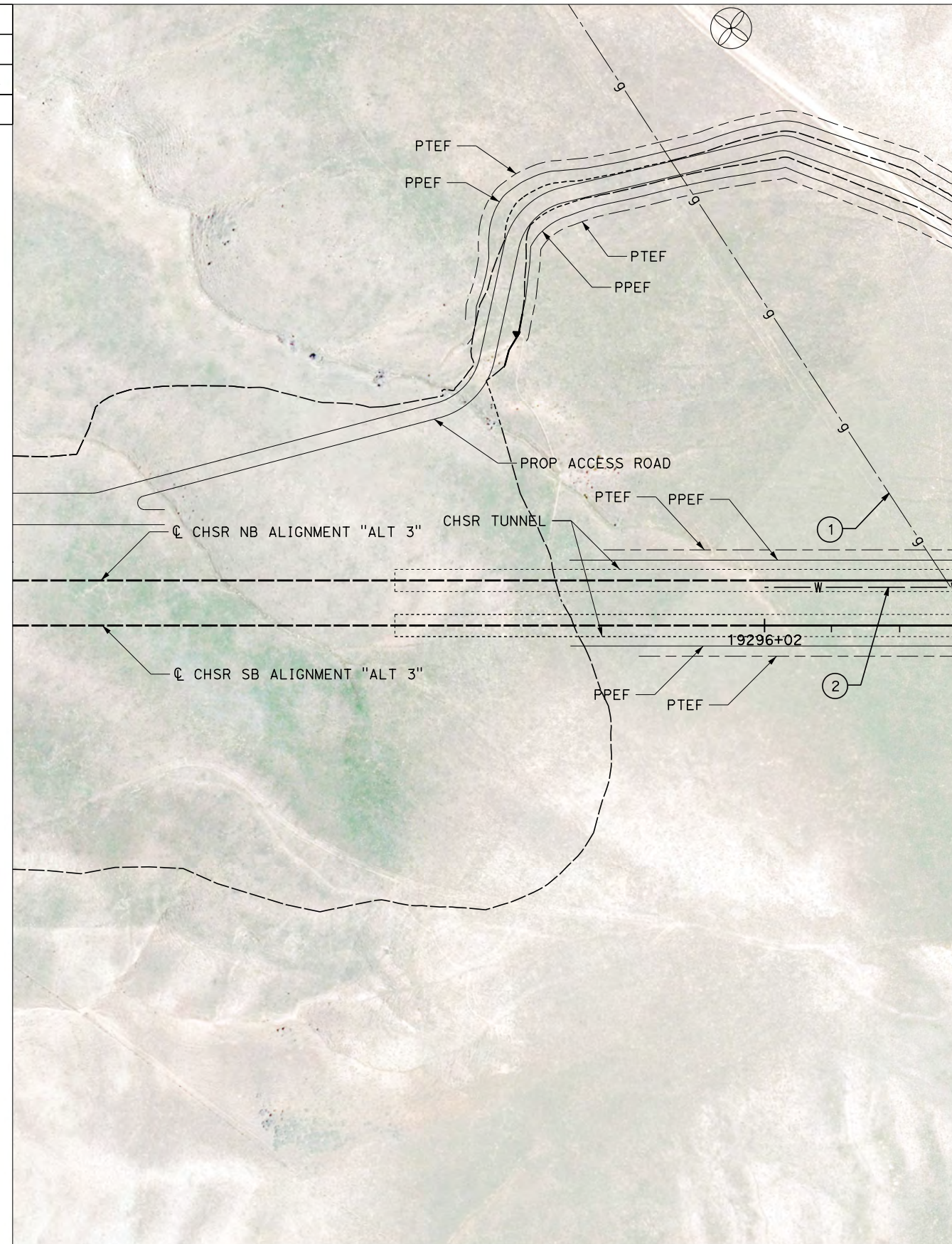
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HSR13-44
DRAWING NO.
UT-C4333
SCALE
AS SHOWN
SHEET NO.

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OIC:ADodge 11/7/2017 3:56:40 PM

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	6"	SEMPRA TRANS	PROTECT IN PLACE
2	FIRE WATER	4"	CHSR	NEW

BEGIN ALTERNATIVE 3

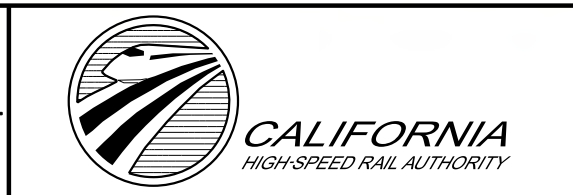


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



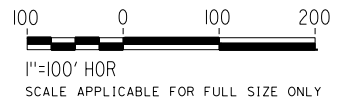
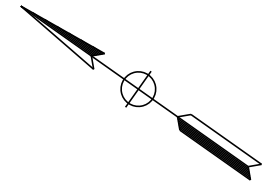
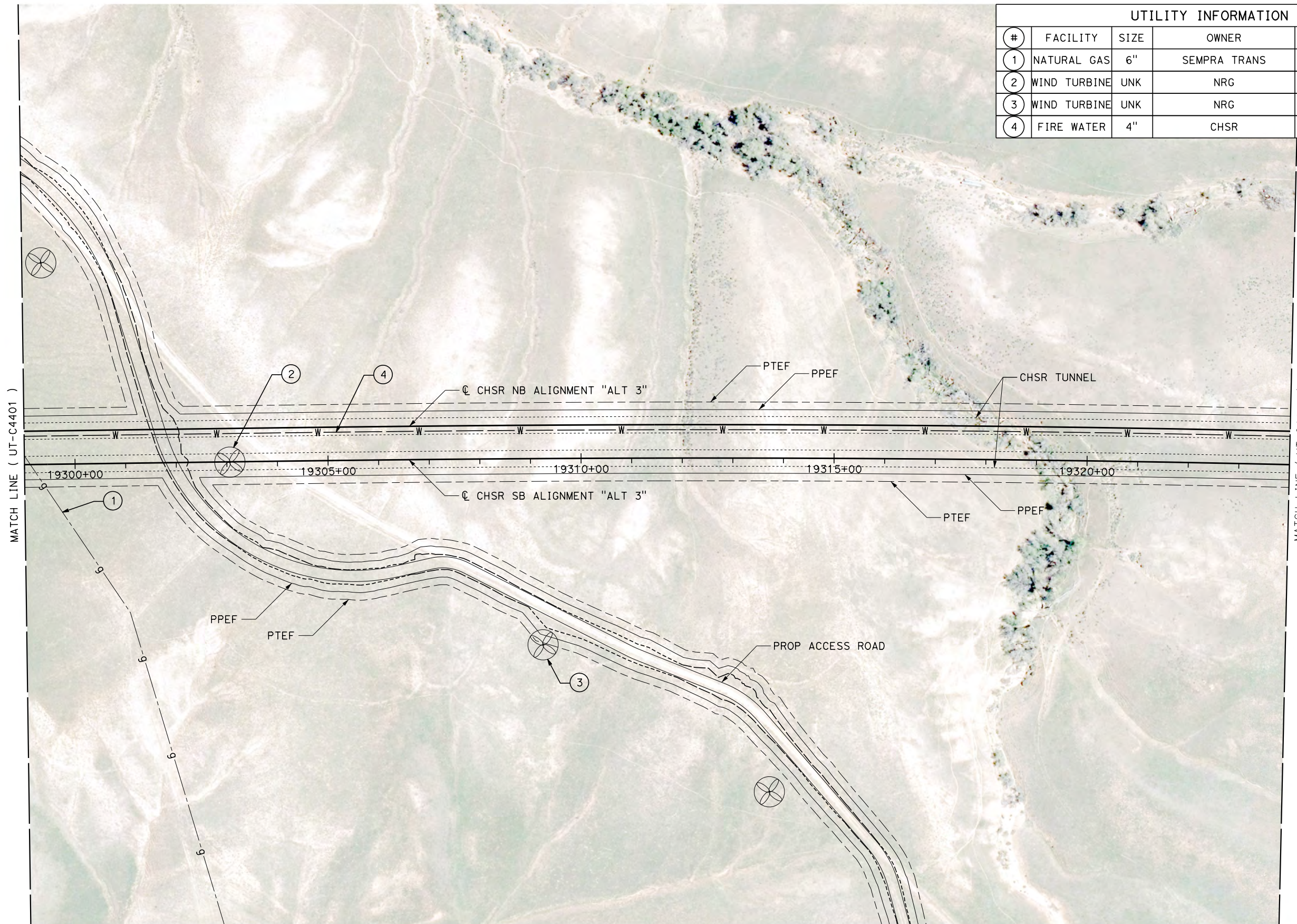
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
COMPOSITE UTILITY PLAN
STA 19296+02 TO 19299+46

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4401
SCALE
AS SHOWN
SHEET NO.

11/7/2017 3:56:31 PM OIC:ADodge Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\Alt3 (Tenachapi 2)\BP-UT-C4402.dgn

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	6"	SEMPRA TRANS	PROTECT IN PLACE
2	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
3	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
4	FIRE WATER	4"	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
 DRAWN BY
H. TU
 CHECKED BY
D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

**RECORD
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



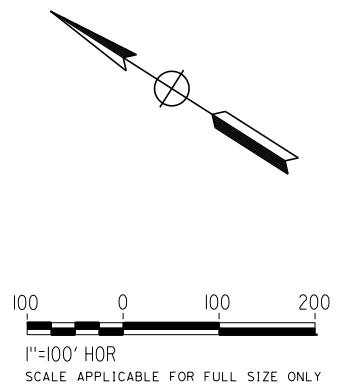
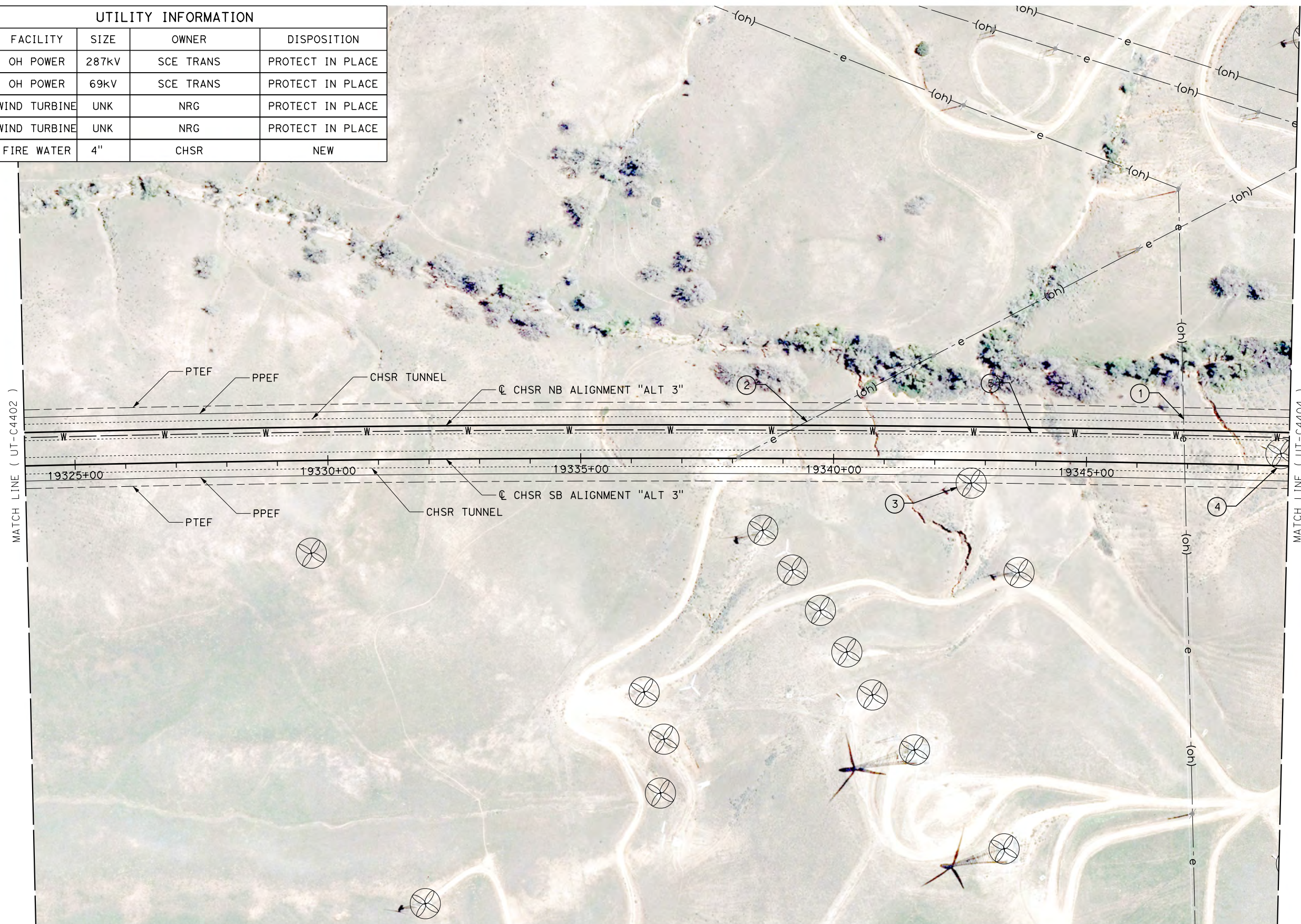
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 3
 COMPOSITE UTILITY PLAN
 STA 19299+46 TO 19324+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4402
 SCALE
AS SHOWN
 SHEET NO.

OIC: ADodge 11/7/2017 3:56:37 PM Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\A\1\3 (Tenochapi 2)\BP-UT-C4403.dgn

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	287kV	SCE TRANS	PROTECT IN PLACE
2	OH POWER	69kV	SCE TRANS	PROTECT IN PLACE
3	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
4	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
5	FIRE WATER	4"	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS

DRAWN BY
H. TU

CHECKED BY
D. ARUTA

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
COMPOSITE UTILITY PLAN
STA 19324+00 TO 19349+00

CONTRACT NO.
HSR13-44

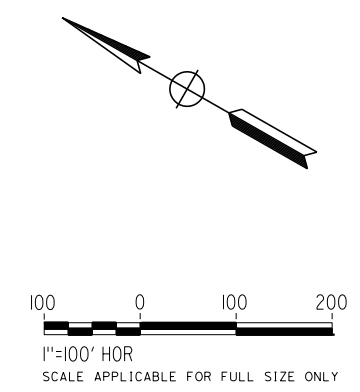
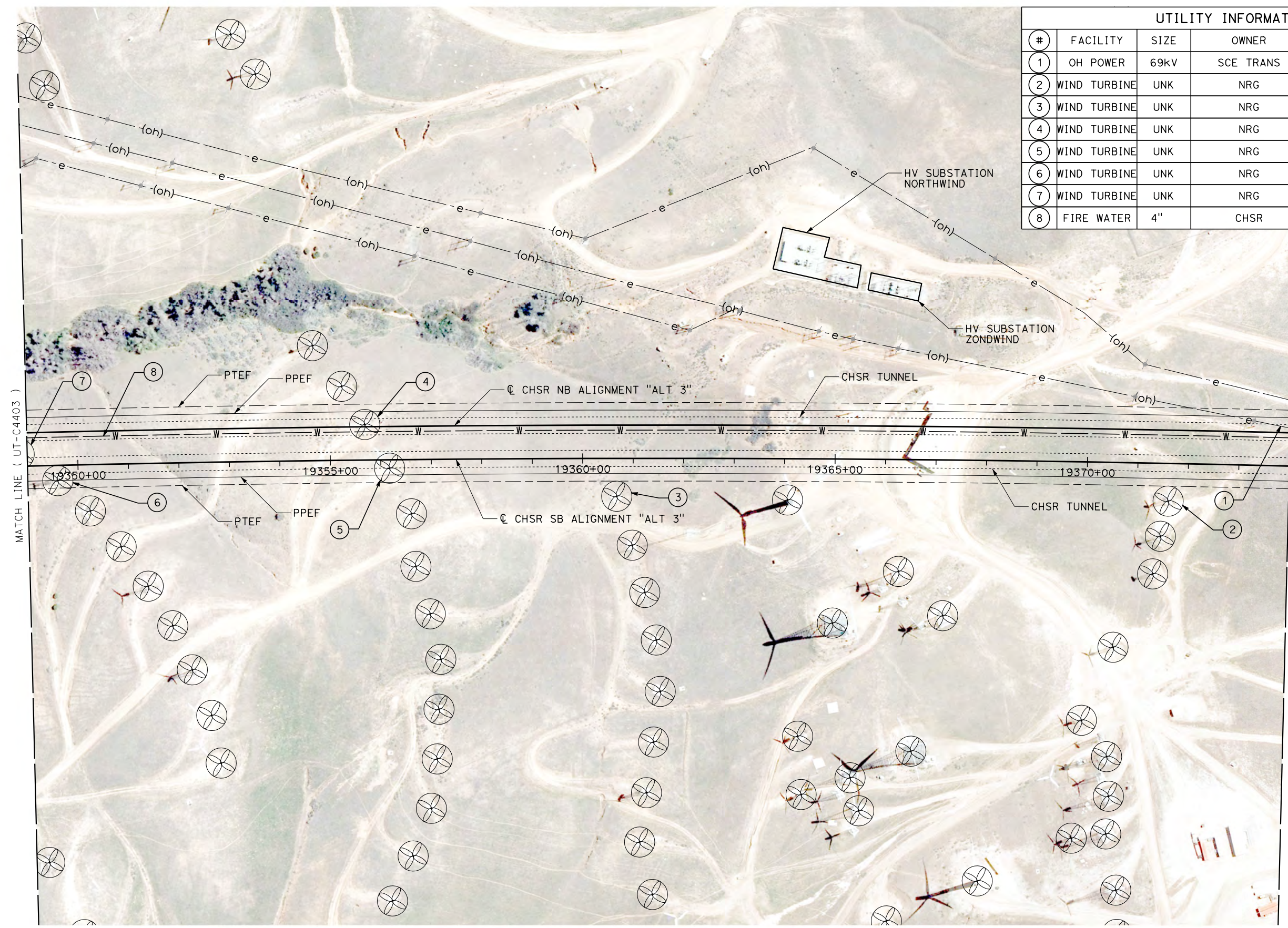
DRAWING NO.
UT-C4403

SCALE
AS SHOWN

SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	69kV	SCE TRANS	PROTECT IN PLACE
2	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
3	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
4	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
5	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
6	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
7	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
8	FIRE WATER	4"	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



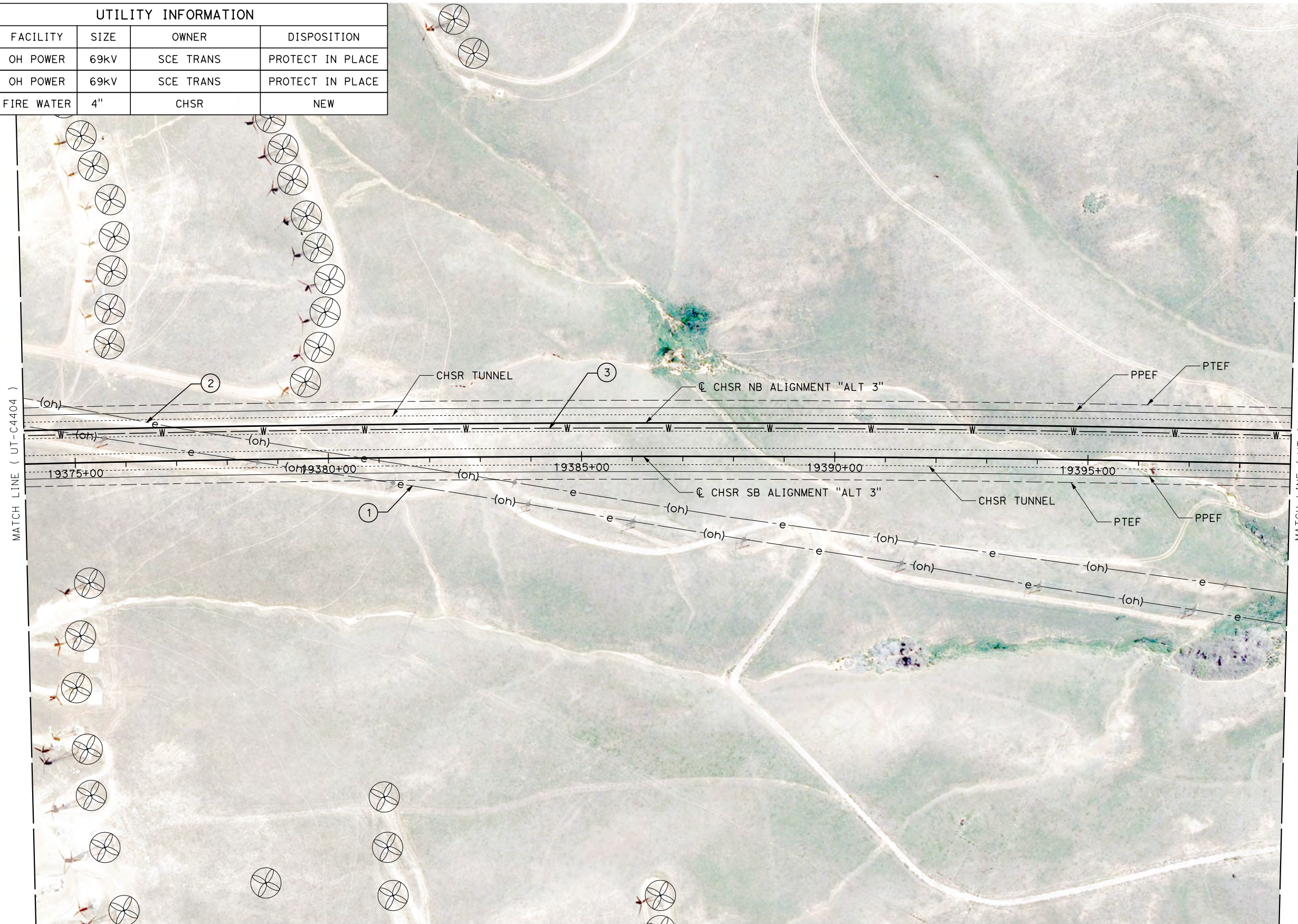
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
COMPOSITE UTILITY PLAN
STA 19349+00 TO 19374+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4404
SCALE
AS SHOWN
SHEET NO.

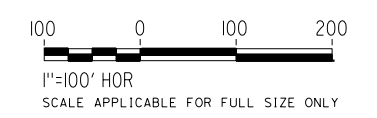
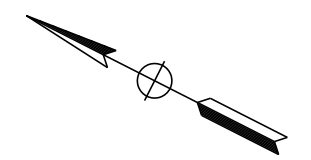
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	69KV	SCE TRANS	PROTECT IN PLACE
2	OH POWER	69KV	SCE TRANS	PROTECT IN PLACE
3	FIRE WATER	4"	CHSR	NEW



MATCH LINE (UT-C4404)

MATCH LINE (UT-C4406)

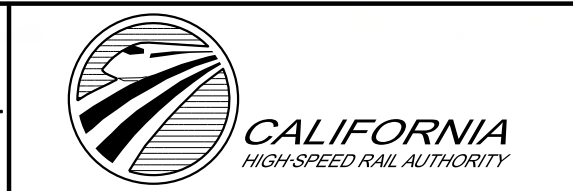


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



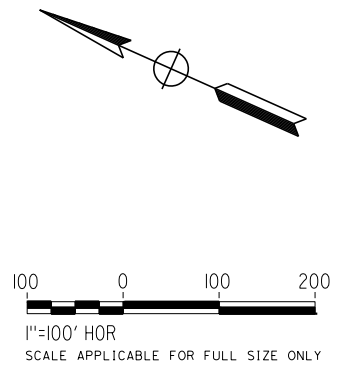
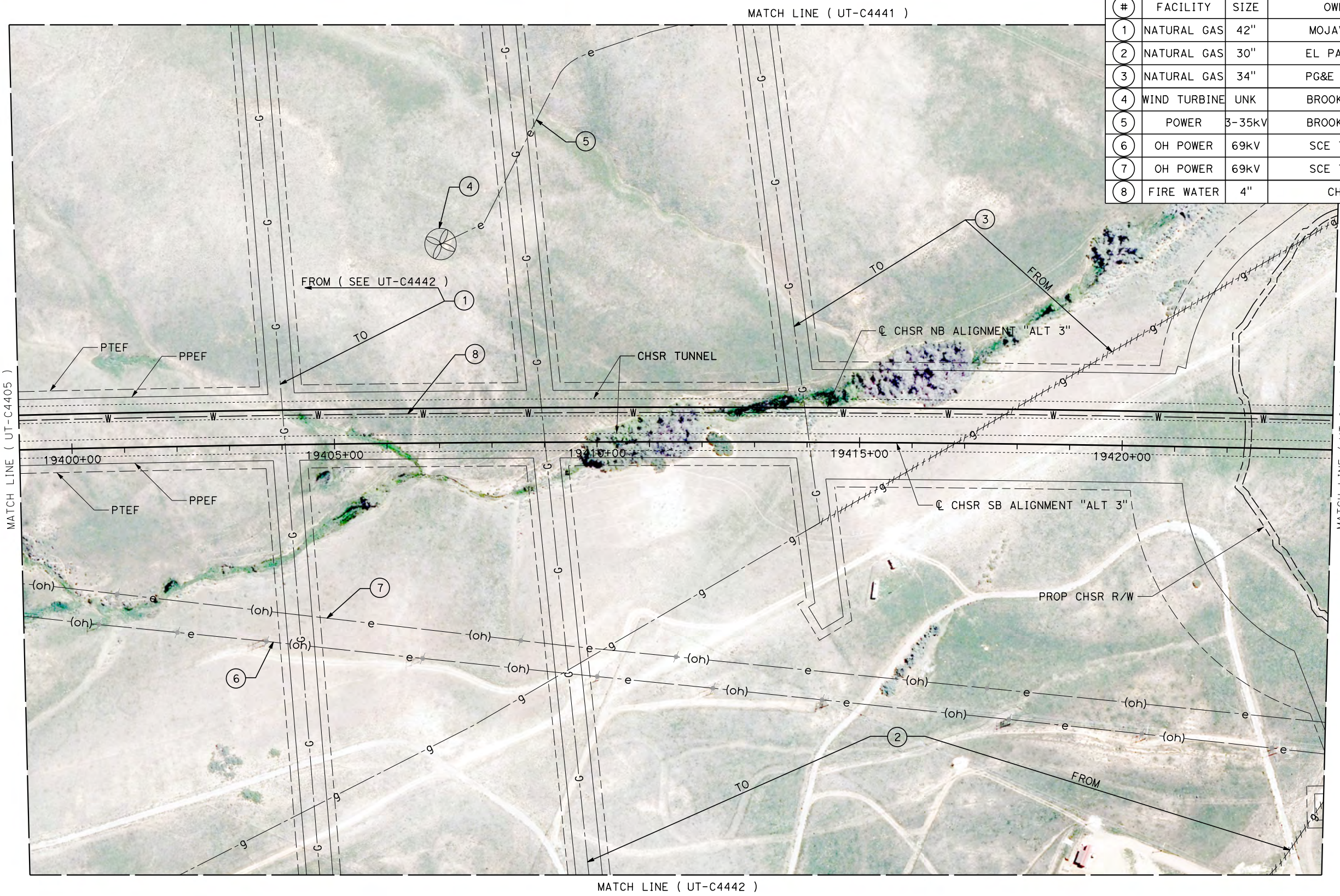
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
COMPOSITE UTILITY PLAN
STA 19374+00 TO 19399+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4405
SCALE
AS SHOWN
SHEET NO.

11/7/2017 3:55:44 PM OIC:Adodge
 Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\UT\1\13 (Tenachapi 2)\BP-UT-C4406.dgn

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	42"	MOJAVE/KM	RELOCATE
2	NATURAL GAS	30"	EL PASO/KM	RELOCATE
3	NATURAL GAS	34"	PG&E TRANS	RELOCATE
4	WIND TURBINE	UNK	BROOKFIELD	PROTECT IN PLACE
5	POWER	3-35kV	BROOKFIELD	PROTECT IN PLACE
6	OH POWER	69kV	SCE TRANS	PROTECT IN PLACE
7	OH POWER	69kV	SCE TRANS	PROTECT IN PLACE
8	FIRE WATER	4"	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
 DRAWN BY
H. TU
 CHECKED BY
D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



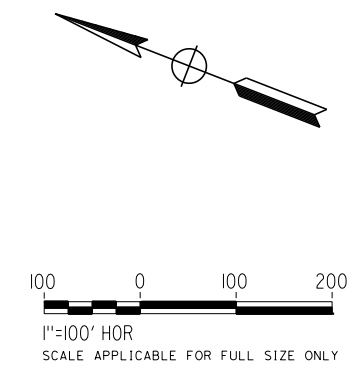
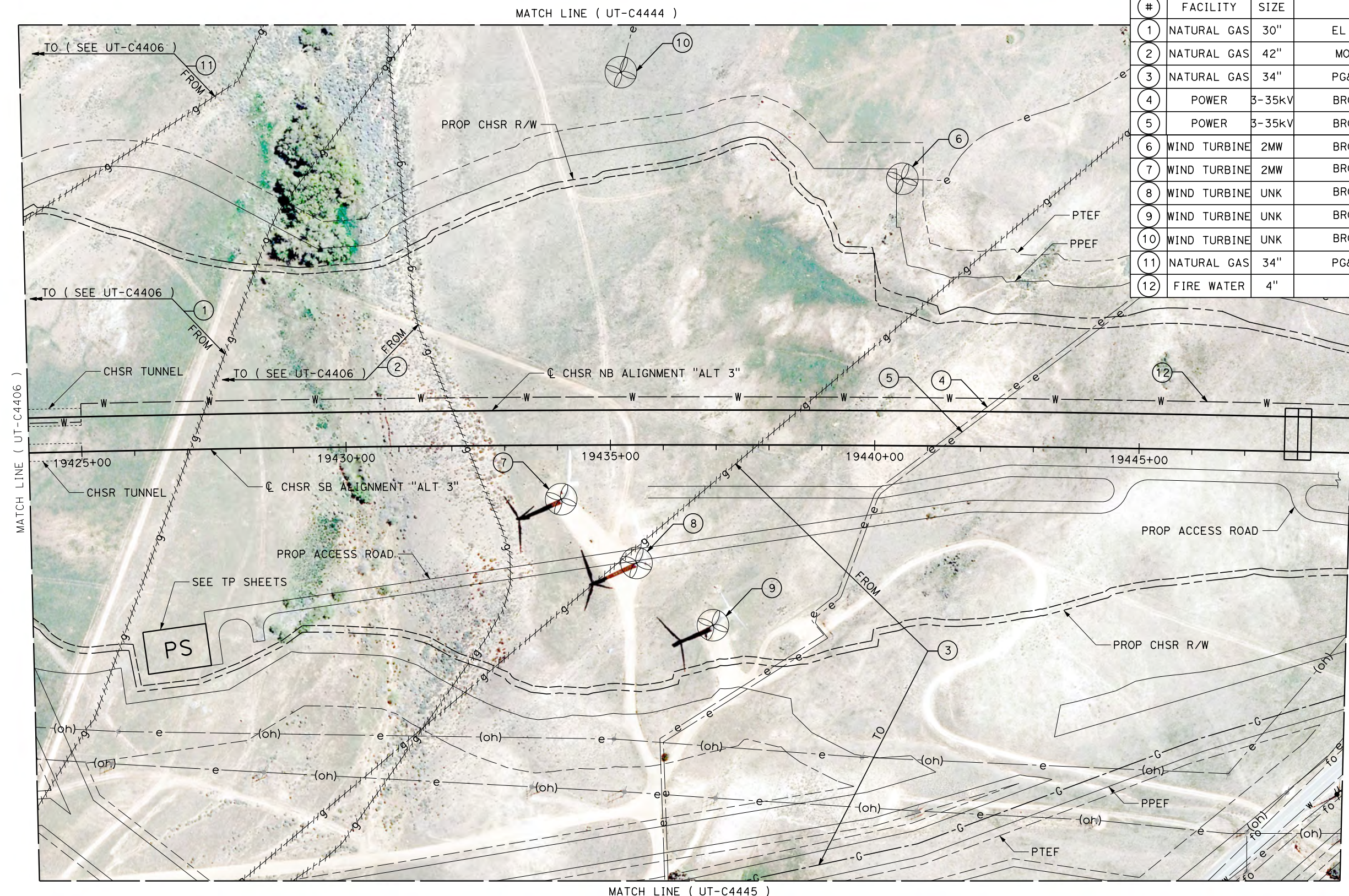
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

 ALTERNATIVE 3
 COMPOSITE UTILITY PLAN
 STA 19399+00 TO 19424+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4406
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet_Files\UT\1\13 (Tenachopi 2)\BP-UT-C4407.dgn

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	30"	EL PASO/KM	RELOCATE
2	NATURAL GAS	42"	MOJAVE/KM	RELOCATE
3	NATURAL GAS	34"	PG&E TRANS	RELOCATE
4	POWER	3-35KV	BROOKFIELD	RELOCATE
5	POWER	3-35KV	BROOKFIELD	RELOCATE
6	WIND TURBINE	2MW	BROOKFIELD	RELOCATE
7	WIND TURBINE	2MW	BROOKFIELD	RELOCATE
8	WIND TURBINE	UNK	BROOKFIELD	RELOCATE
9	WIND TURBINE	UNK	BROOKFIELD	RELOCATE
10	WIND TURBINE	UNK	BROOKFIELD	RELOCATE
11	NATURAL GAS	34"	PG&E TRANS	RELOCATE
12	FIRE WATER	4"	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS

DRAWN BY
H. TU

CHECKED BY
D. ARUTA

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
COMPOSITE UTILITY PLAN
STA 19424+00 TO 19449+00

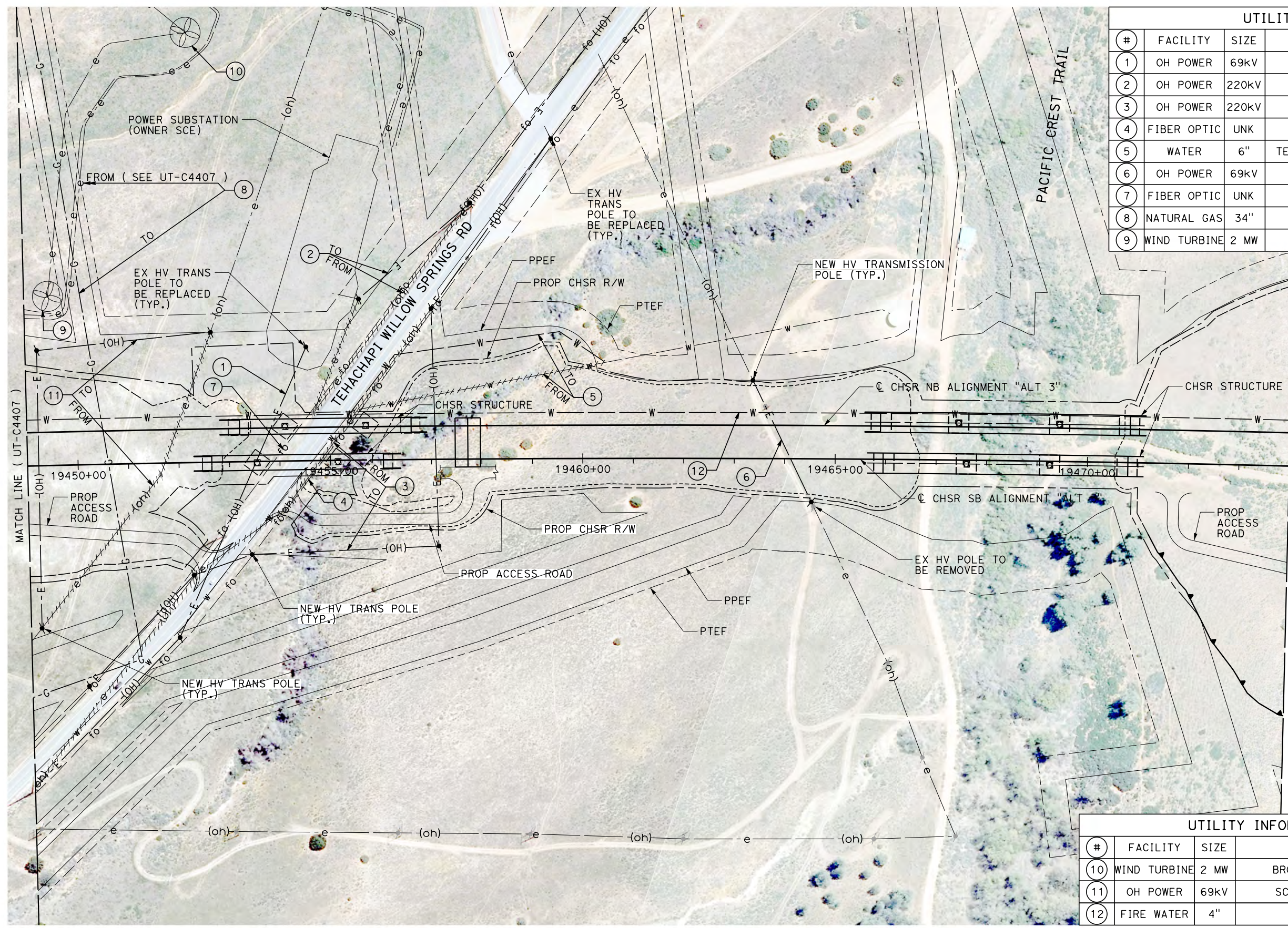
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HSR13-44

DRAWING NO.
UT-C4407

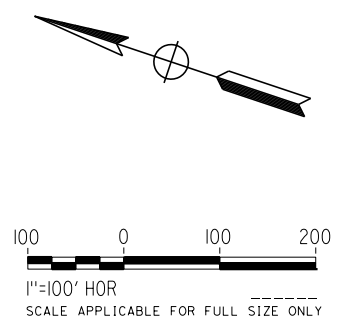
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AS SHOWN

SHEET NO.

Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\Alt3 (Tehachapi 2)\BP-UT-C4408.dgn
 11/7/2017 3:57:03 PM
 OIC:Adodge



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	69kV	SCE TRANS	RELOCATE
2	OH POWER	220kV	SCE TRANS	RELOCATE
3	OH POWER	220kV	SCE TRANS	RELOCATE
4	FIBER OPTIC	UNK	LEVEL 3	RELOCATE
5	WATER	6"	TEHACHAPI CUMMINGS	RELOCATE
6	OH POWER	69kV	SCE TRANS	RELOCATE
7	FIBER OPTIC	UNK	LEVEL 3	RELOCATE
8	NATURAL GAS	34"	PG&E TRANS	RELOCATE
9	WIND TURBINE	2 MW	BROOKFIELD	RELOCATE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
10	WIND TURBINE	2 MW	BROOKFIELD	PROTECT IN PLACE
11	OH POWER	69kV	SCE TRANS	RELOCATE
12	FIRE WATER	4"	CHSR	NEW

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
 DRAWN BY
H. TU
 CHECKED BY
D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

**RECORD
 PEPD
 SUBMITTAL**

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 CONSTRUCTION**



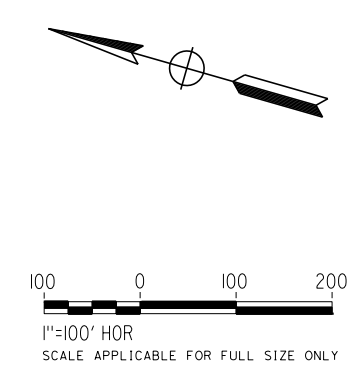
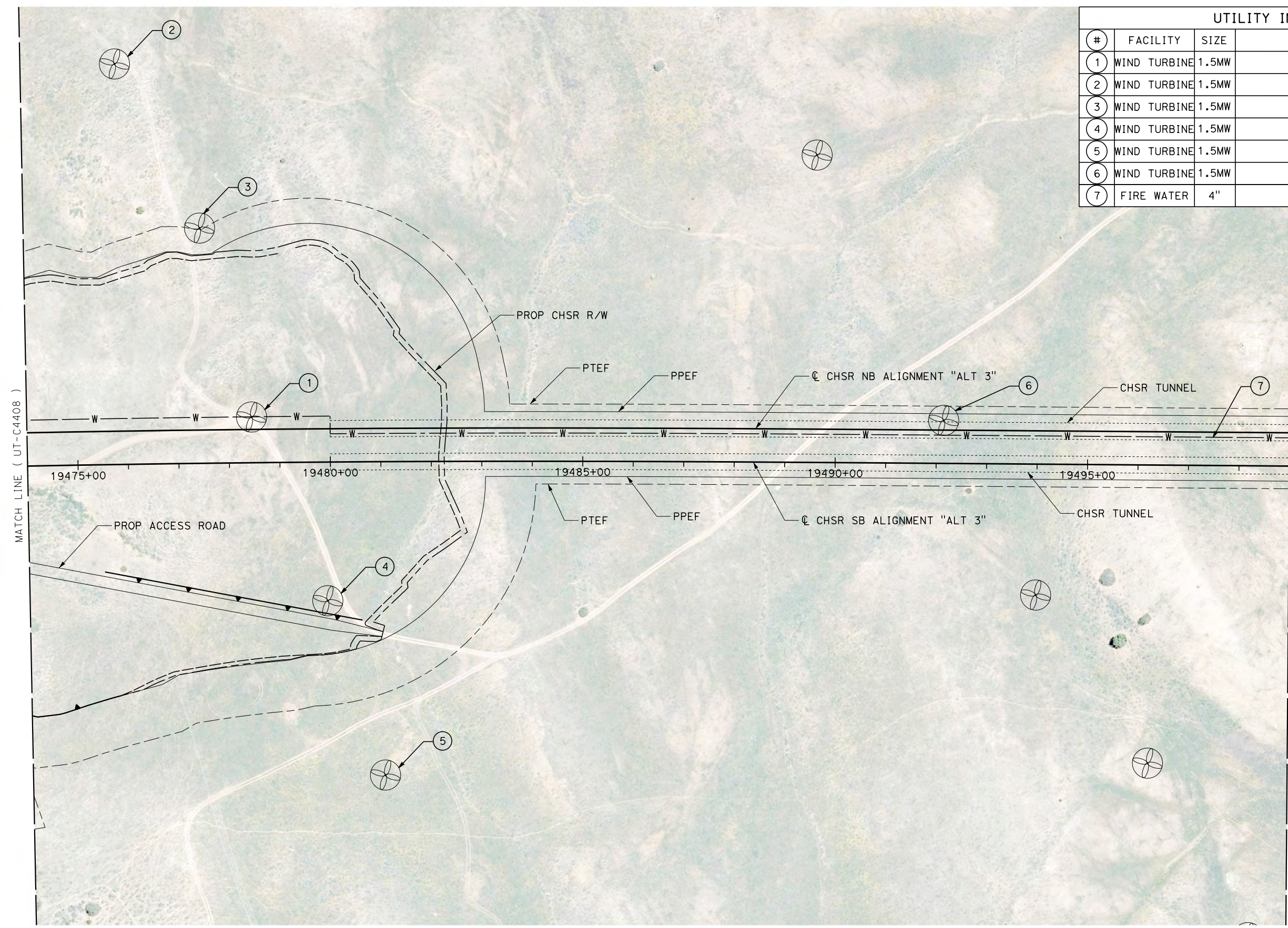
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 3
 COMPOSITE UTILITY PLAN
 STA 19449+00 TO 19474+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4408
 SCALE
AS SHOWN
 SHEET NO.

11/7/2017 3:56:35 PM OIC:ADodge Projects\701206.00_CHSRBP\00_CADD\Sheet Files\UT\A\1\3 (Tenachapi 2)\BP-UT-C4409.dgn

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WIND TURBINE	1.5MW	NRG	RELOCATE
2	WIND TURBINE	1.5MW	NRG	RELOCATE
3	WIND TURBINE	1.5MW	NRG	RELOCATE
4	WIND TURBINE	1.5MW	NRG	RELOCATE
5	WIND TURBINE	1.5MW	NRG	RELOCATE
6	WIND TURBINE	1.5MW	NRG	PROTECT IN PLACE
7	FIRE WATER	4"	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
 DRAWN BY
H. TU
 CHECKED BY
D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

**RECORD
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



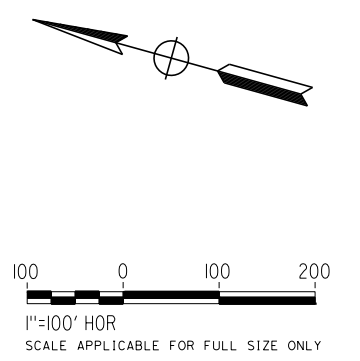
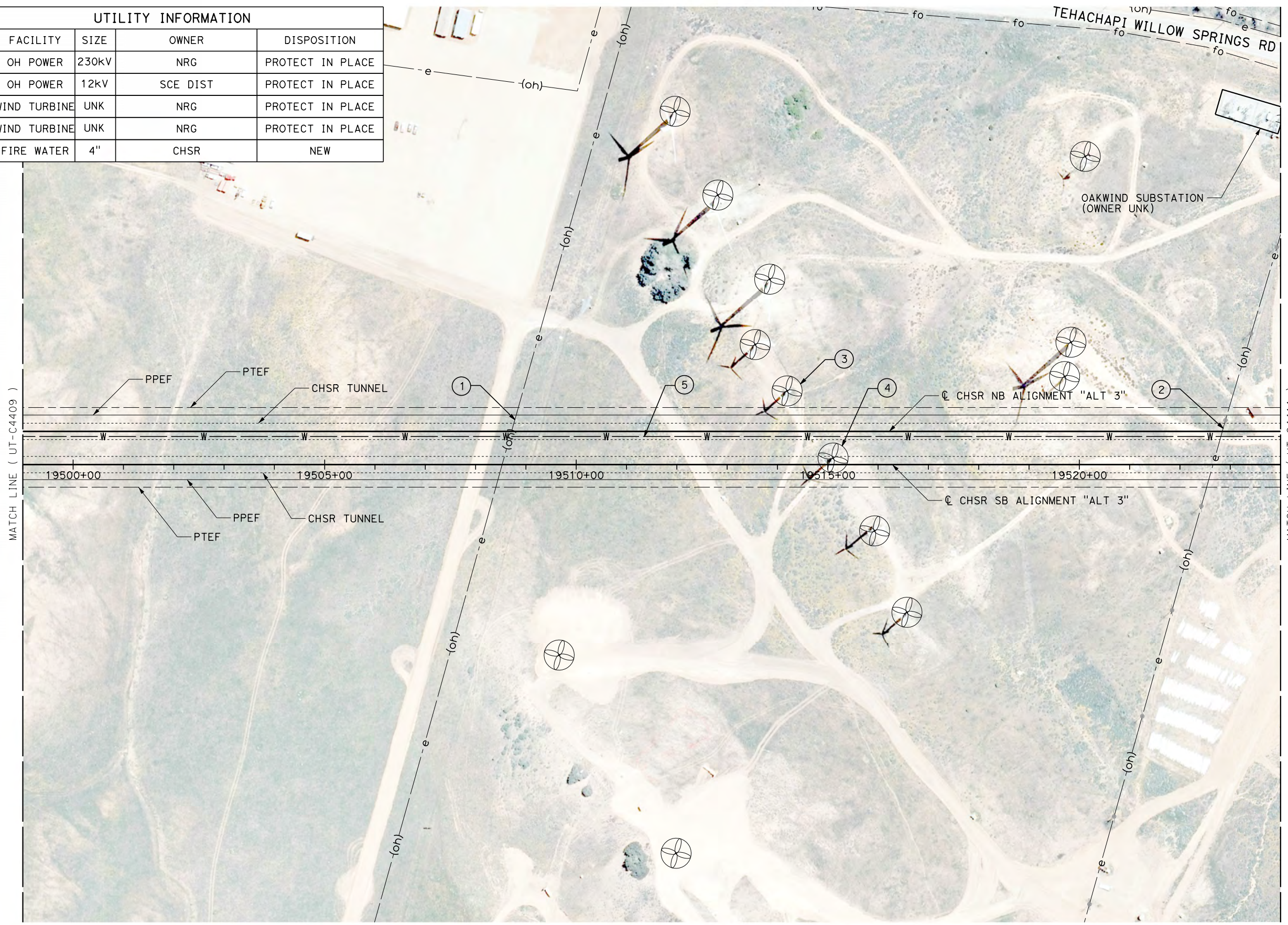
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 3
 COMPOSITE UTILITY PLAN
 STA 19474+00 TO 19499+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4409
 SCALE
AS SHOWN
 SHEET NO.

Projects\T01206.00_CHSRBP\00_CADD\Sheet Files\UT\Alt3 (Tehachapi 2)\BP-UT-C4410.dgn
 11/7/2017 3:57:07 PM
 OIC:ADodge

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	230KV	NRG	PROTECT IN PLACE
2	OH POWER	12KV	SCE DIST	PROTECT IN PLACE
3	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
4	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
5	FIRE WATER	4"	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
 DRAWN BY
H. TU
 CHECKED BY
D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

**RECORD
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



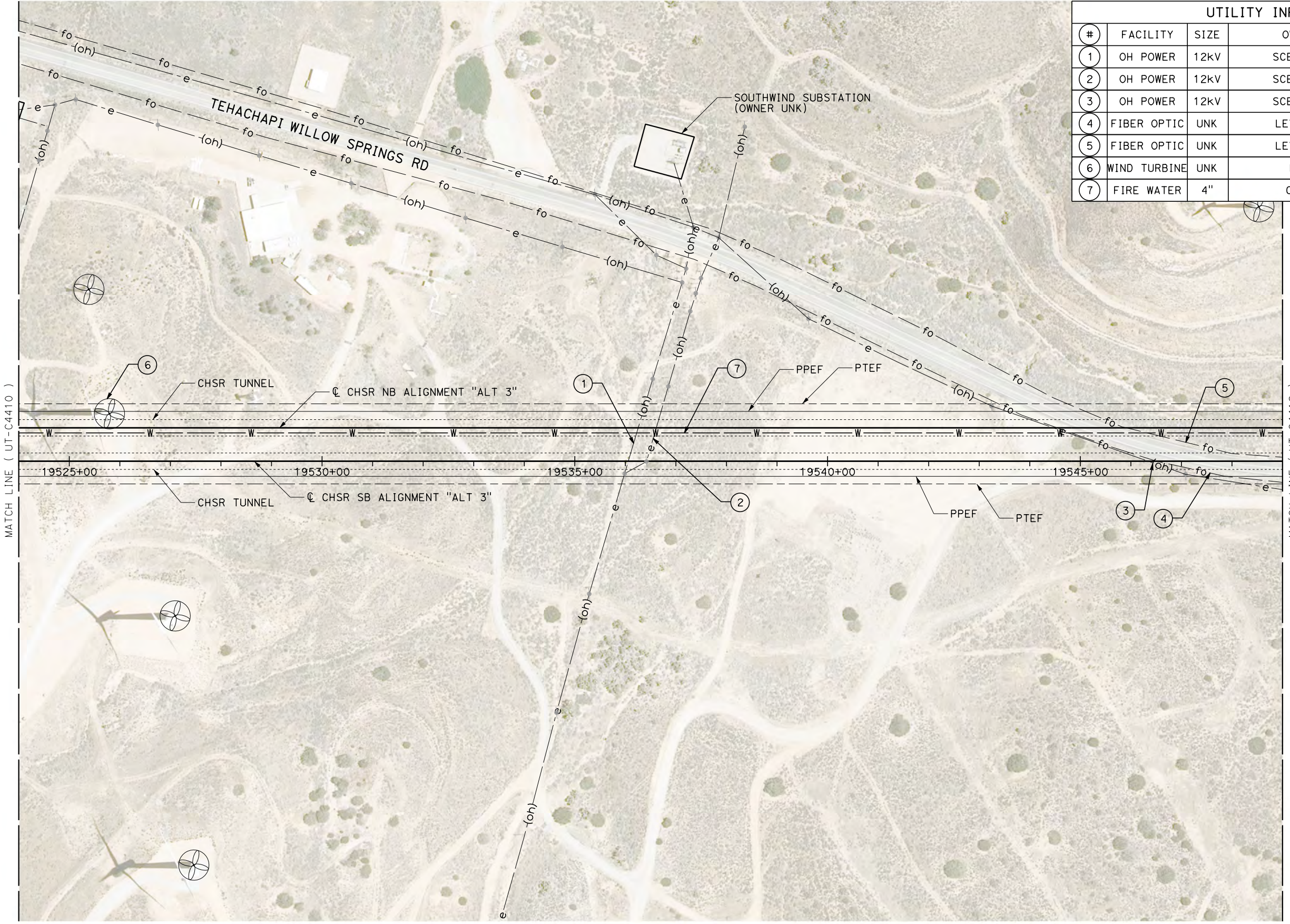
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

 ALTERNATIVE 3
 COMPOSITE UTILITY PLAN
 STA 19499+00 TO 19524+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4410
 SCALE
AS SHOWN
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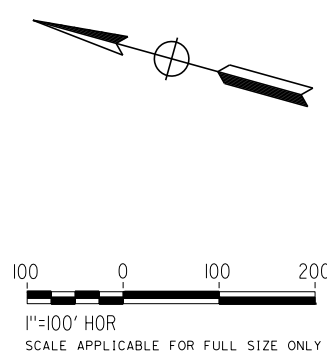
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12kV	SCE DIST	PROTECT IN PLACE
2	OH POWER	12kV	SCE DIST	PROTECT IN PLACE
3	OH POWER	12kV	SCE DIST	PROTECT IN PLACE
4	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
5	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
6	WIND TURBINE	UNK	NRG	PROTECT IN PLACE
7	FIRE WATER	4"	CHSR	NEW



MATCH LINE (UT-C4410)

MATCH LINE (UT-C4412)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

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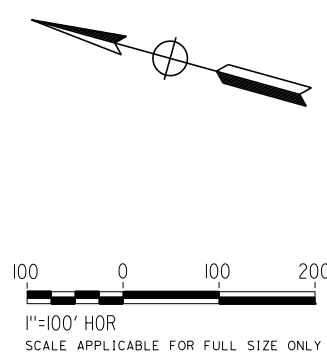
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
COMPOSITE UTILITY PLAN
STA 19524+00 TO 19549+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4411
SCALE
AS SHOWN
SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
2	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
3	OH POWER	12KV	SCE DIST	PROTECT IN PLACE
4	OH POWER	12KV	SCE DIST	PROTECT IN PLACE
5	FIRE WATER	4"	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS
 DRAWN BY
H. TU
 CHECKED BY
D. ARUTA
 IN CHARGE
S. SMITH
 DATE
10/31/2017

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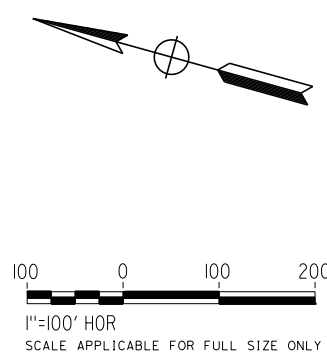
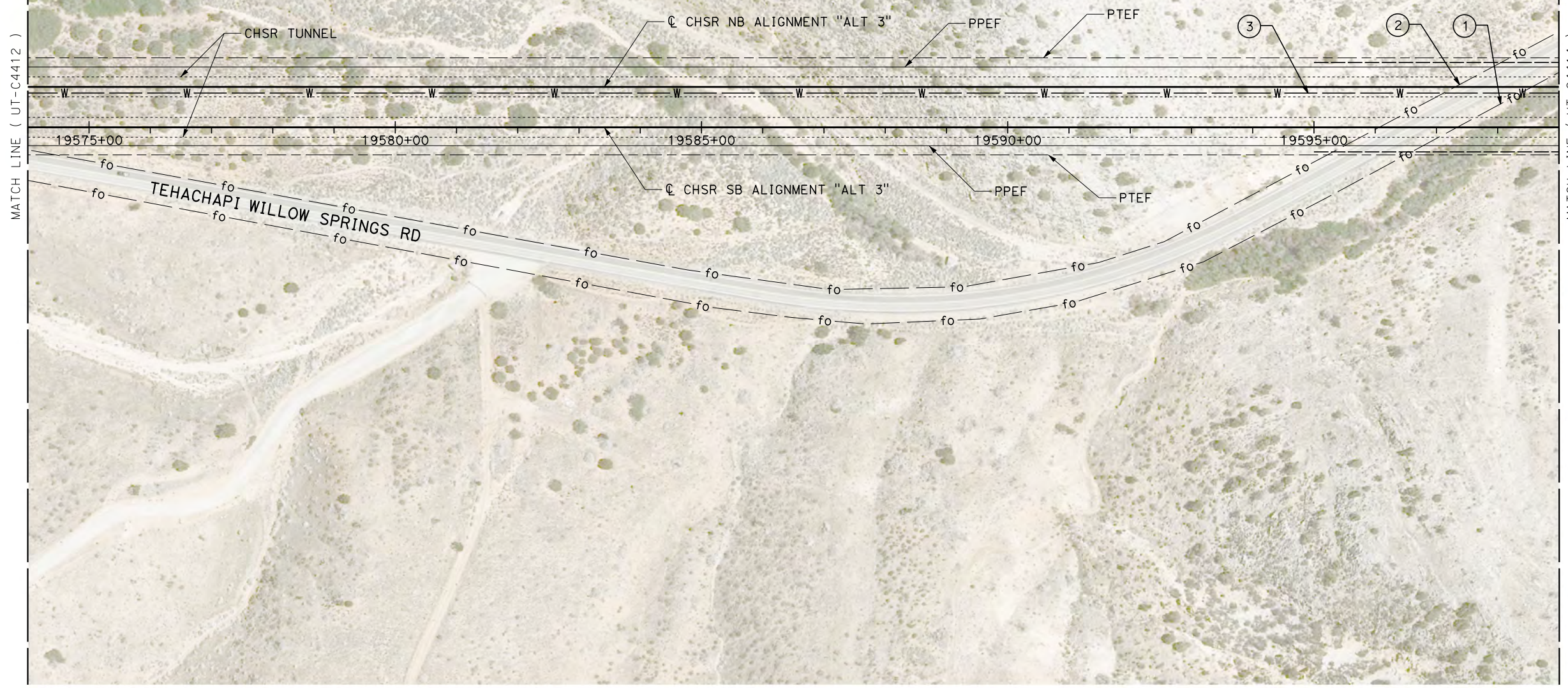
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 3
 COMPOSITE UTILITY PLAN
 STA 19549+00 TO 19574+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4412
 SCALE
AS SHOWN
 SHEET NO.

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
2	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
3	FIRE WATER	4"	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS

DRAWN BY
H. TU

CHECKED BY
D. ARUTA

IN CHARGE
S. SMITH

DATE
10/31/2017

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
COMPOSITE UTILITY PLAN
STA 19574+00 TO 19599+00

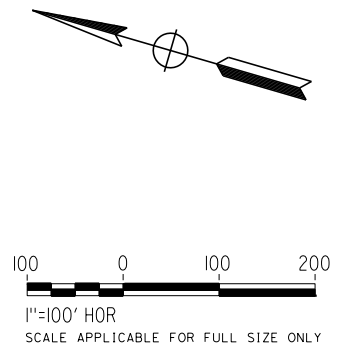
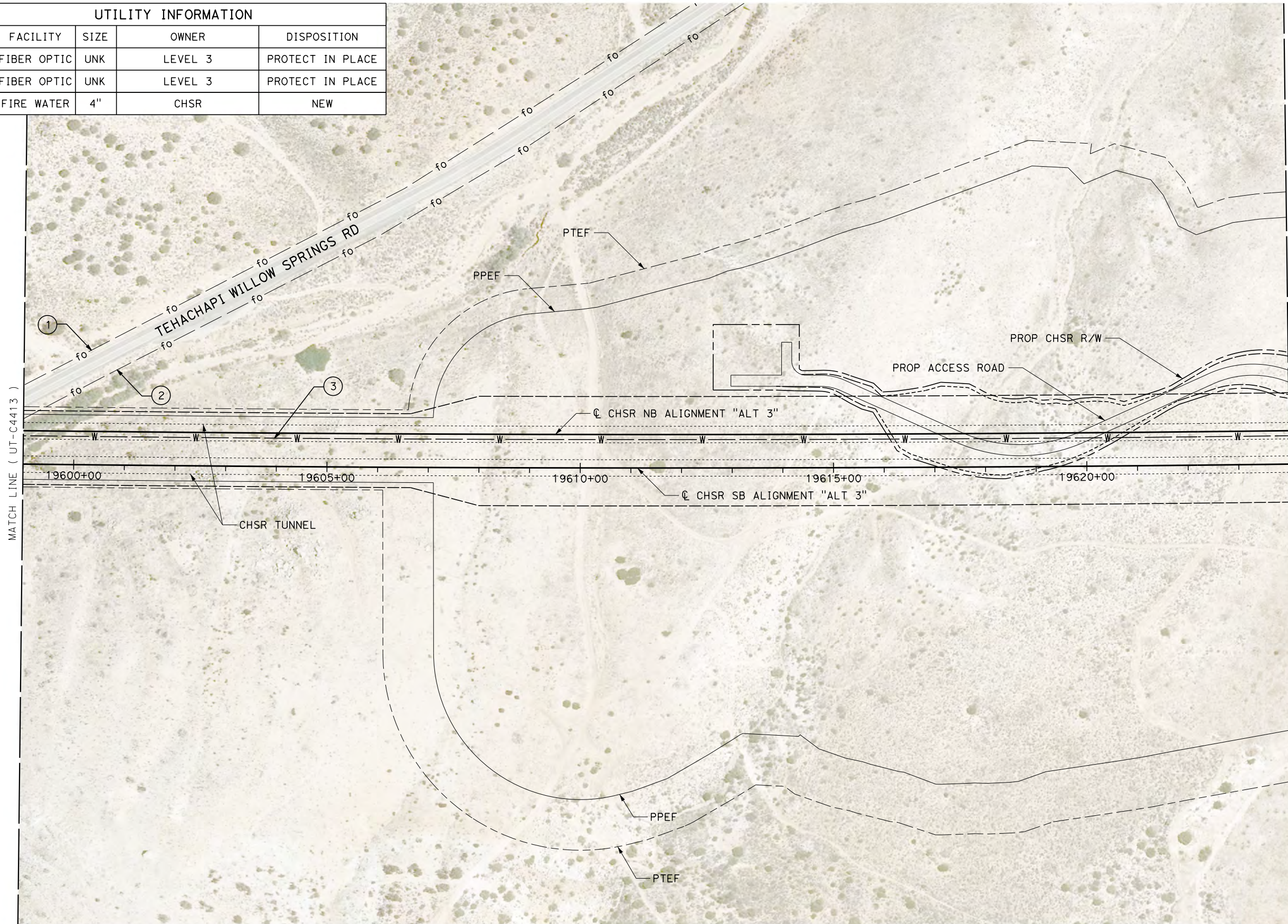
CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4413

SCALE
AS SHOWN

SHEET NO.

UTILITY INFORMATION				
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1	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
2	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
3	FIRE WATER	4"	CHSR	NEW



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H. TU
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S. SMITH
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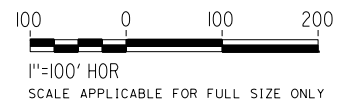
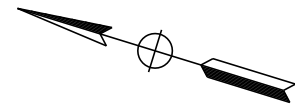
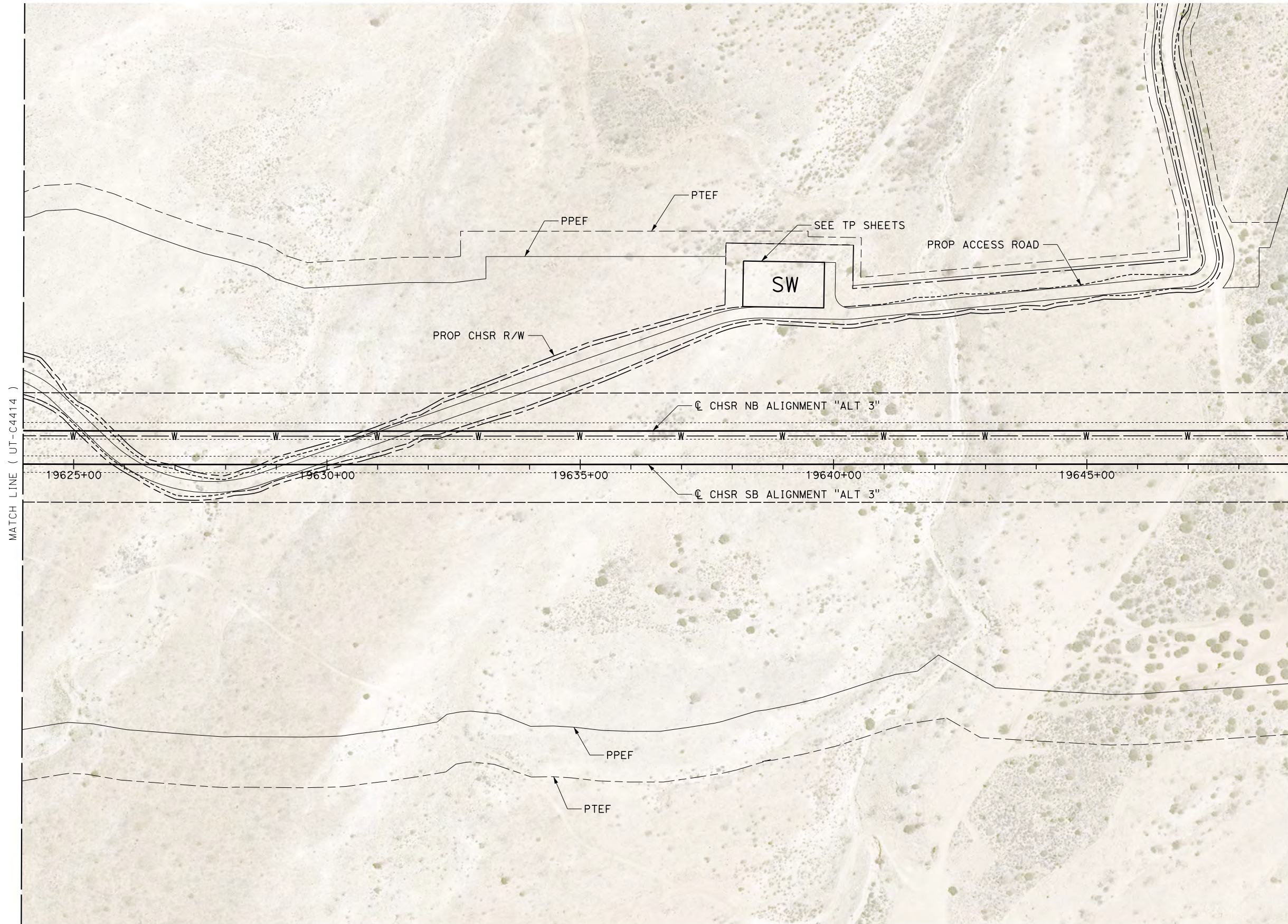
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

 ALTERNATIVE 3
 COMPOSITE UTILITY PLAN
 STA 19599+00 TO 19624+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
UT-C4414
 SCALE
AS SHOWN
 SHEET NO.

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11/8/2017 6:49:13 PM OIC:ARivera



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DESIGNED BY
D. CONYERS
DRAWN BY
H. TU
CHECKED BY
D. ARUTA
IN CHARGE
S. SMITH
DATE
10/31/2017

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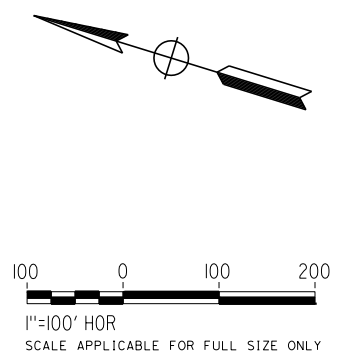
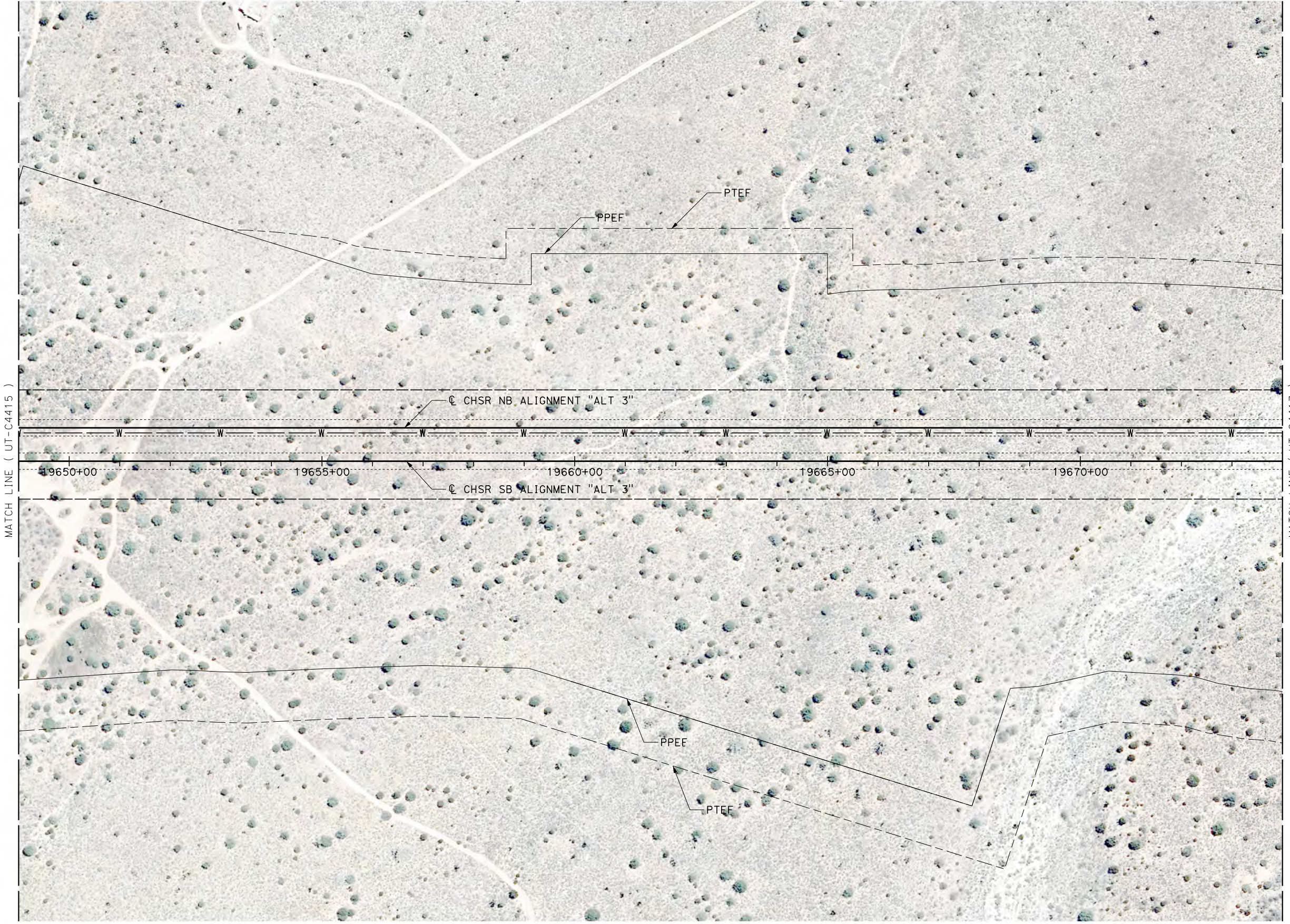
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
COMPOSITE UTILITY PLAN
STA 19624+00 TO 19649+00

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4415
SCALE
AS SHOWN
SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. CONYERS

DRAWN BY
H. TU

CHECKED BY
D. ARUTA

IN CHARGE
S. SMITH

DATE
10/31/2017

**RECORD
PEPD
SUBMITTAL**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
COMPOSITE UTILITY PLAN
STA 19649+00 TO 19674+00

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4416

SCALE
AS SHOWN

SHEET NO.