

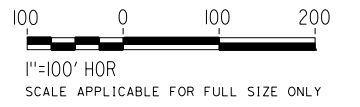
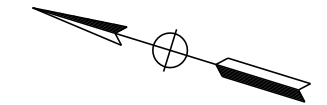
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OIC:ADodge 11/7/2017 8:51:14 PM



MATCH LINE ( UT-C4416 )

MATCH LINE ( UT-C4418 )



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**



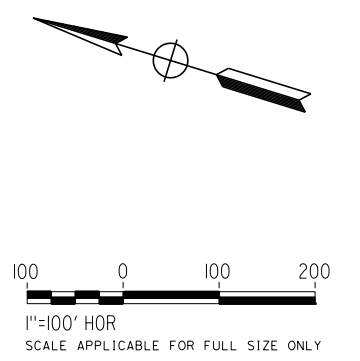
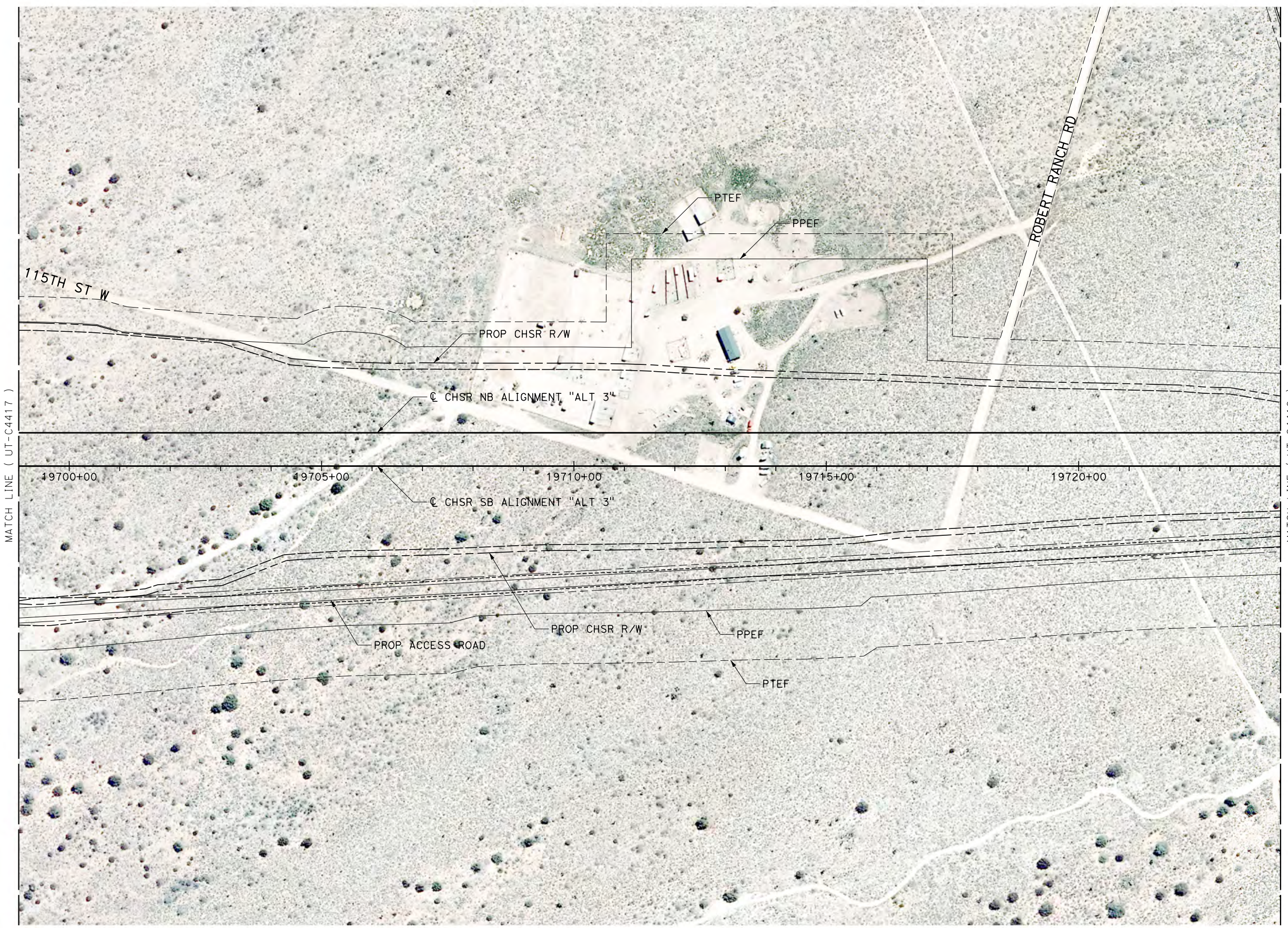
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3  
COMPOSITE UTILITY PLAN  
STA 19674+00 TO 19699+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4417**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt3 (Tenochapi 2)\BP-UT-C4418.dgn  
 11/7/2017 8:53:50 PM  
 OIC:Adodge



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  
 PECD  
 SUBMITTAL**  
  
**NOT FOR  
 CONSTRUCTION**



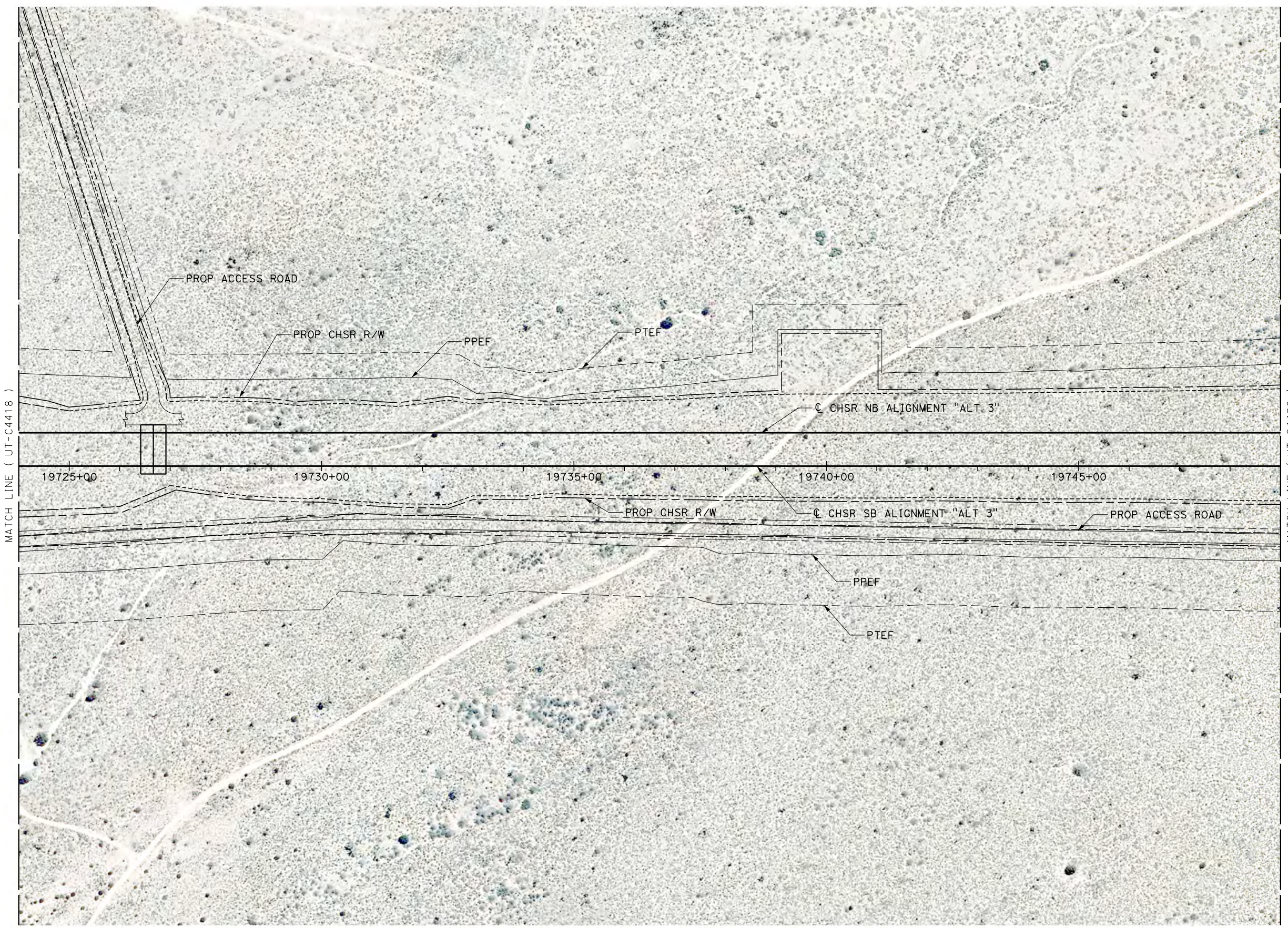
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 3  
 COMPOSITE UTILITY PLAN  
 STA 19699+00 TO 19724+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4418**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet\_Files\UT\Alt3 (Tenochapi 2)\BP-UT-C4419.dgn

OIC: Adodge 11/7/2017 3:54:45 PM



MATCH LINE ( UT-C4418 )

MATCH LINE ( UT-C4420 )

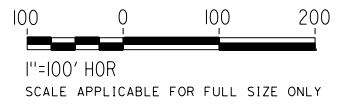
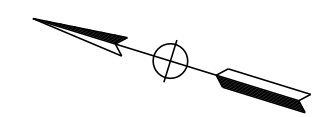
19725+00

19730+00

19735+00

19740+00

19745+00



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 19724+00 TO 19749+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4419**

SCALE  
**AS SHOWN**

SHEET NO.



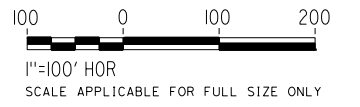
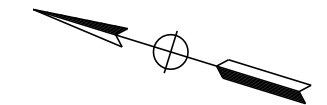
Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\1\13 (Tenachopi 2)\BP-UT-C4420.dgn

OIC:ADodge 11/7/2017 3:55:31 PM



MATCH LINE ( UT-C4419 )

MATCH LINE ( UT-C4421 )



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**



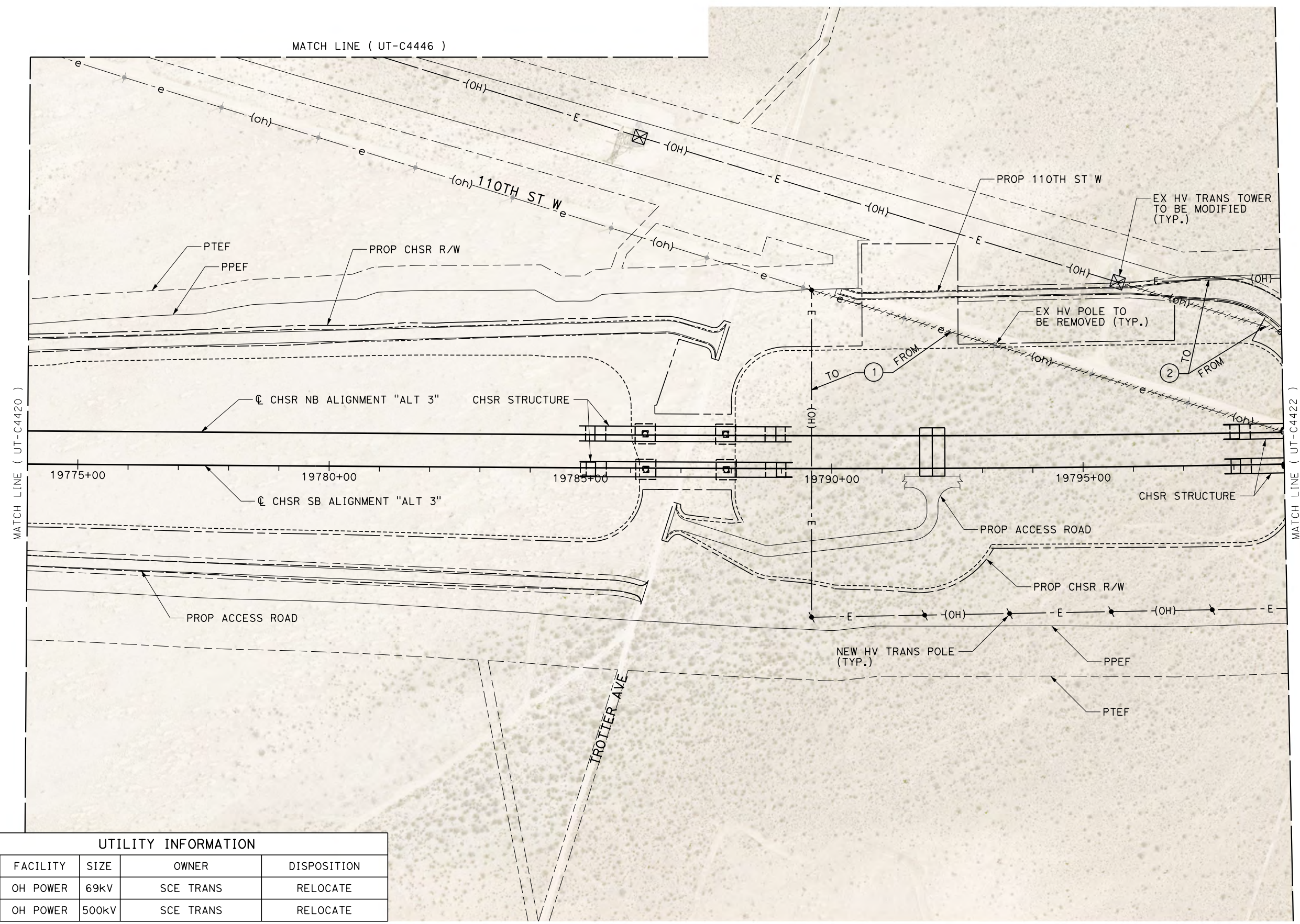
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3  
COMPOSITE UTILITY PLAN  
STA 19749+00 TO 19774+00

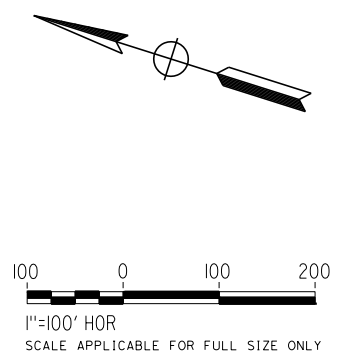
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**HSR13-44**  
DRAWING NO.  
**UT-C4420**  
SCALE  
**AS SHOWN**  
SHEET NO.



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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	69kV	SCE TRANS	RELOCATE
2	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**  
DATE  
**10/31/2017**

**RECORD  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 3  
COMPOSITE UTILITY PLAN  
STA 19774+00 TO 19799+00

CONTRACT NO.  
**HSR13-44**

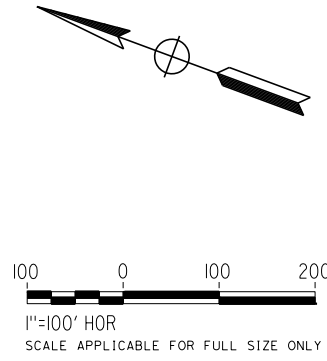
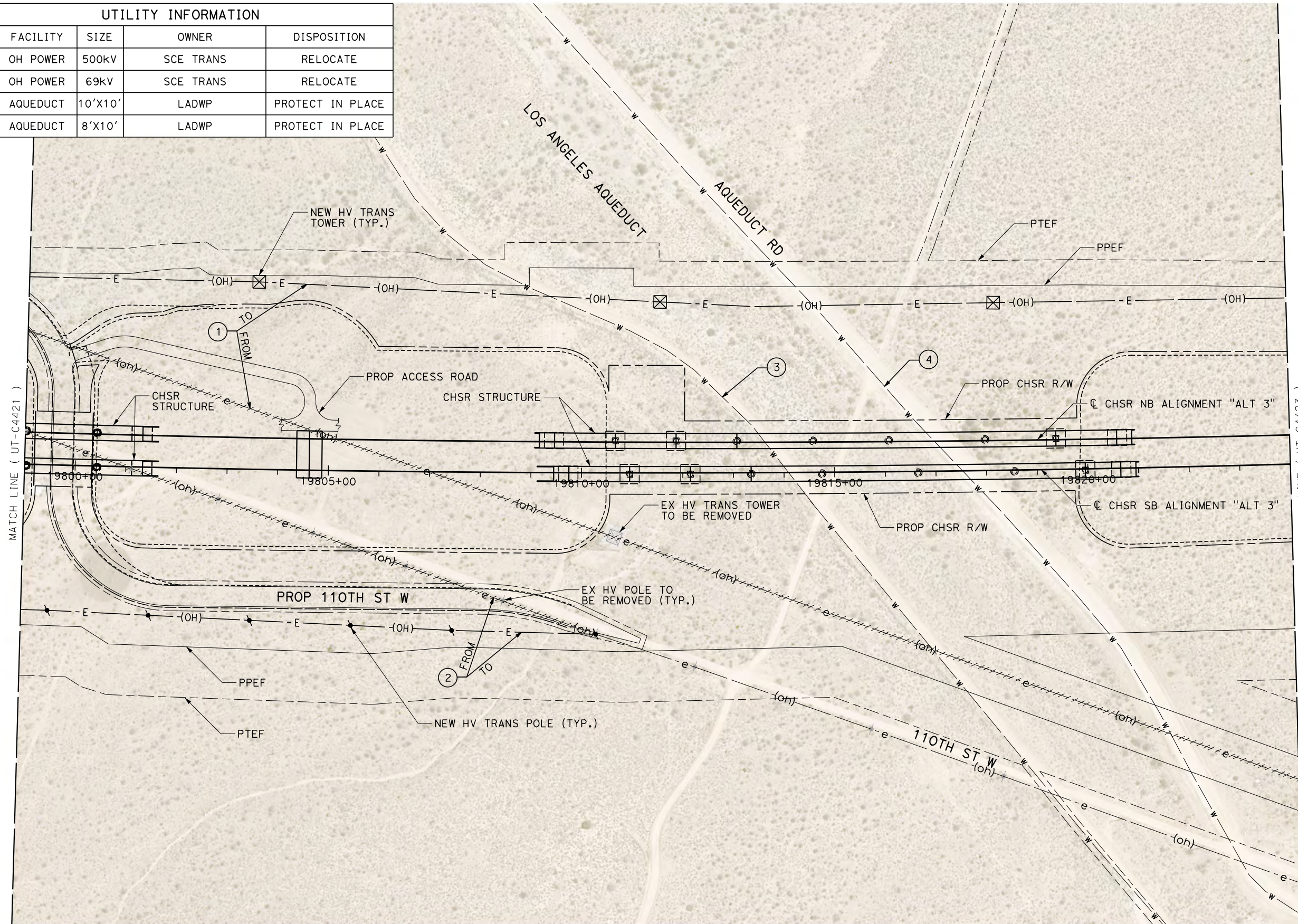
DRAWING NO.  
**UT-C4421**

SCALE  
**AS SHOWN**

SHEET NO.



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	500KV	SCE TRANS	RELOCATE
2	OH POWER	69KV	SCE TRANS	RELOCATE
3	AQUEDUCT	10'X10'	LADWP	PROTECT IN PLACE
4	AQUEDUCT	8'X10'	LADWP	PROTECT IN PLACE



Projects\T01206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt3 (Tenachapi 2)\BP-UT-C4422.dgn 11/7/2017 3:55:35 PM OIC:ADodge

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**



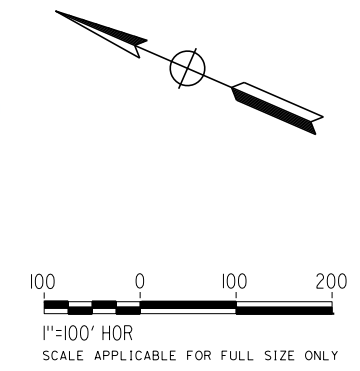
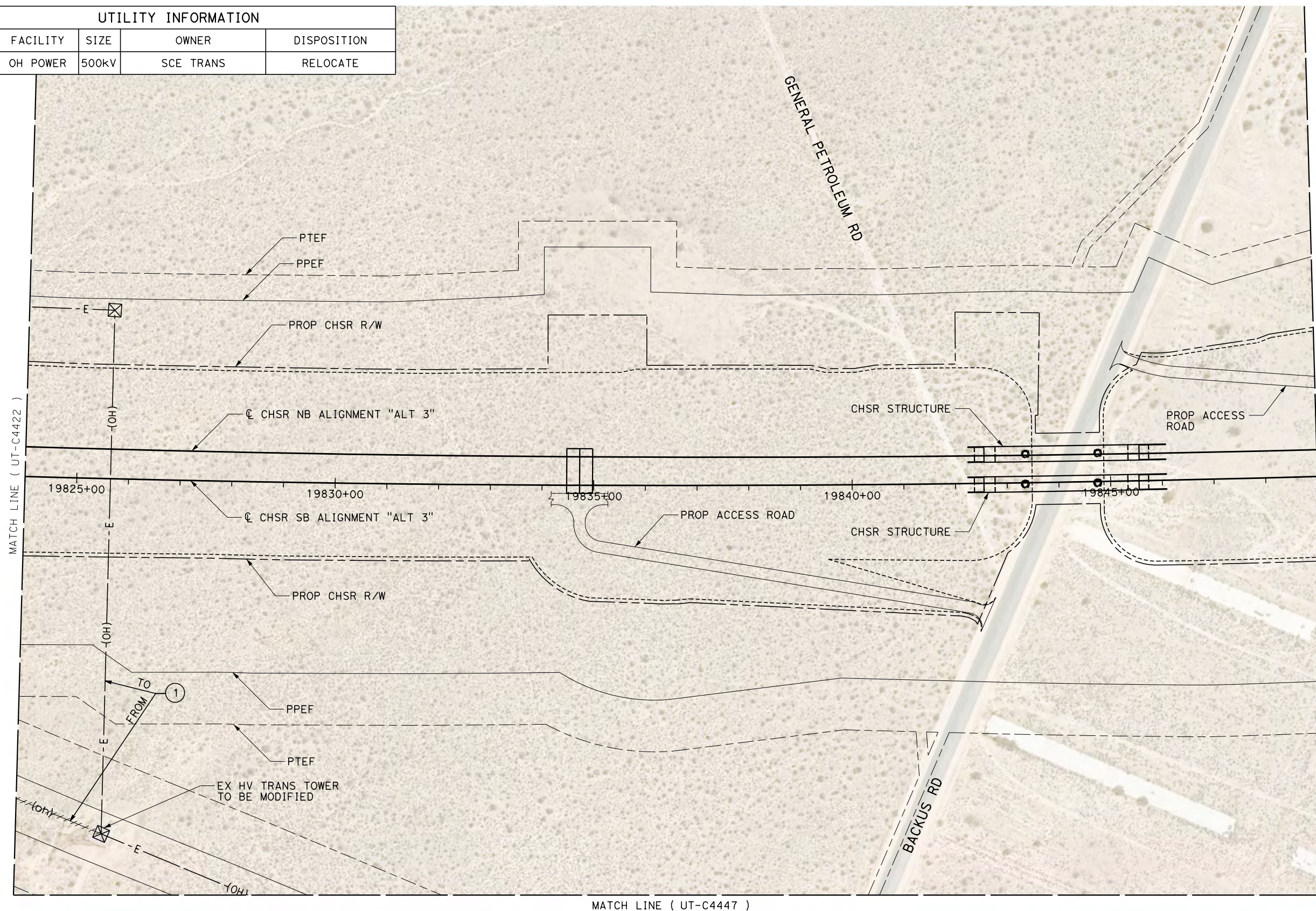
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3  
COMPOSITE UTILITY PLAN  
STA 19799+00 TO 19824+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4422**  
SCALE  
**AS SHOWN**  
SHEET NO.



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



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt3 (Tenachapi 2)\BP-UT-C4423.dgn 11/7/2017 3:55:42 PM OIC.ADodge

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 19824+00 TO 19849+00

CONTRACT NO.  
**HSR13-44**

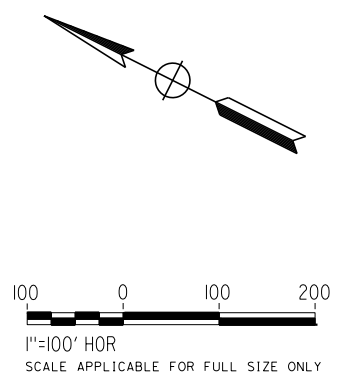
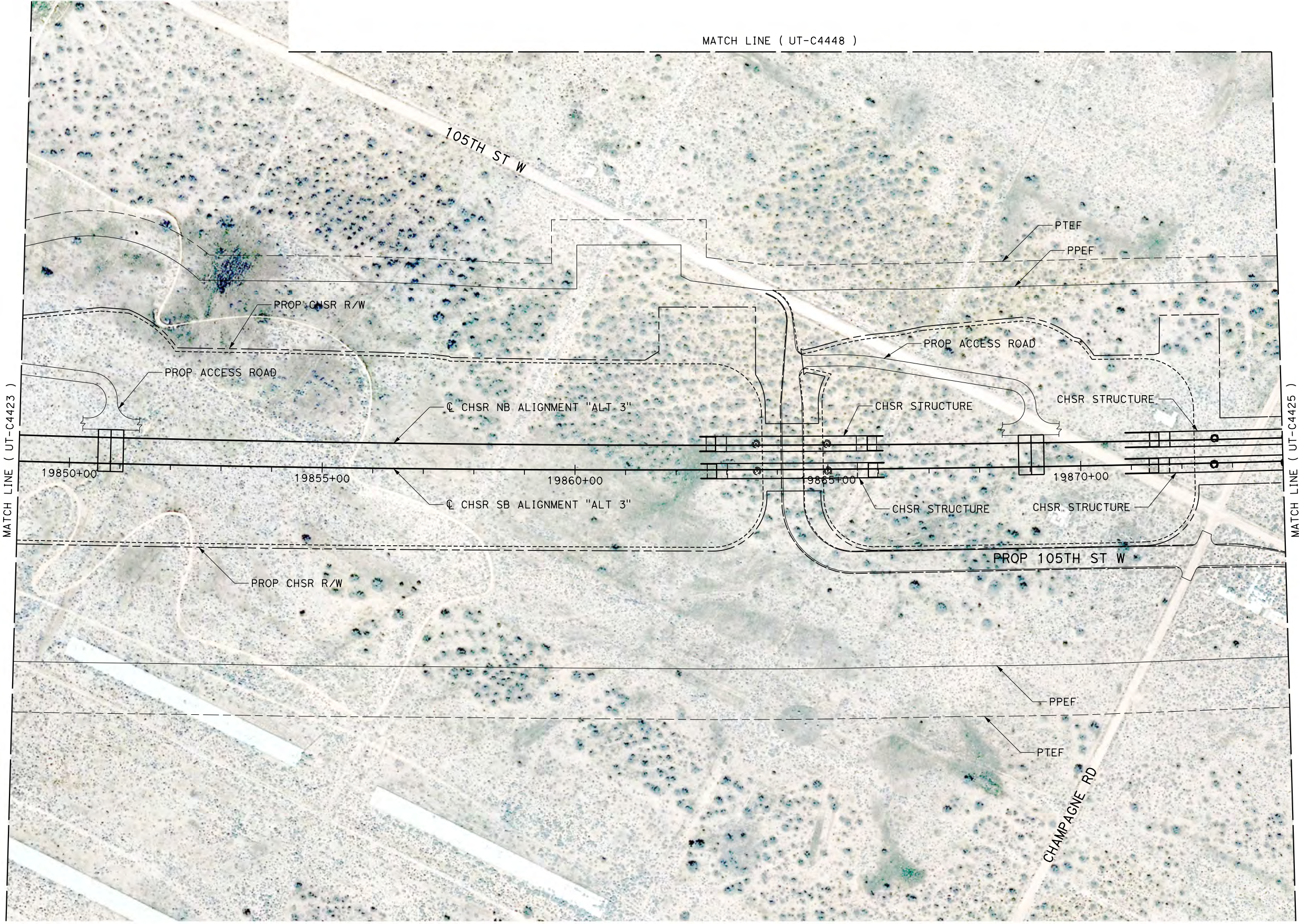
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**UT-C4423**

SCALE  
**AS SHOWN**

SHEET NO.



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 11/7/2017 3:55:30 PM  
 OIC: Adodge



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**



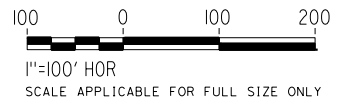
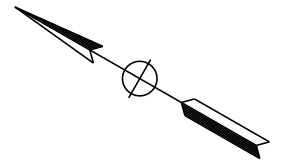
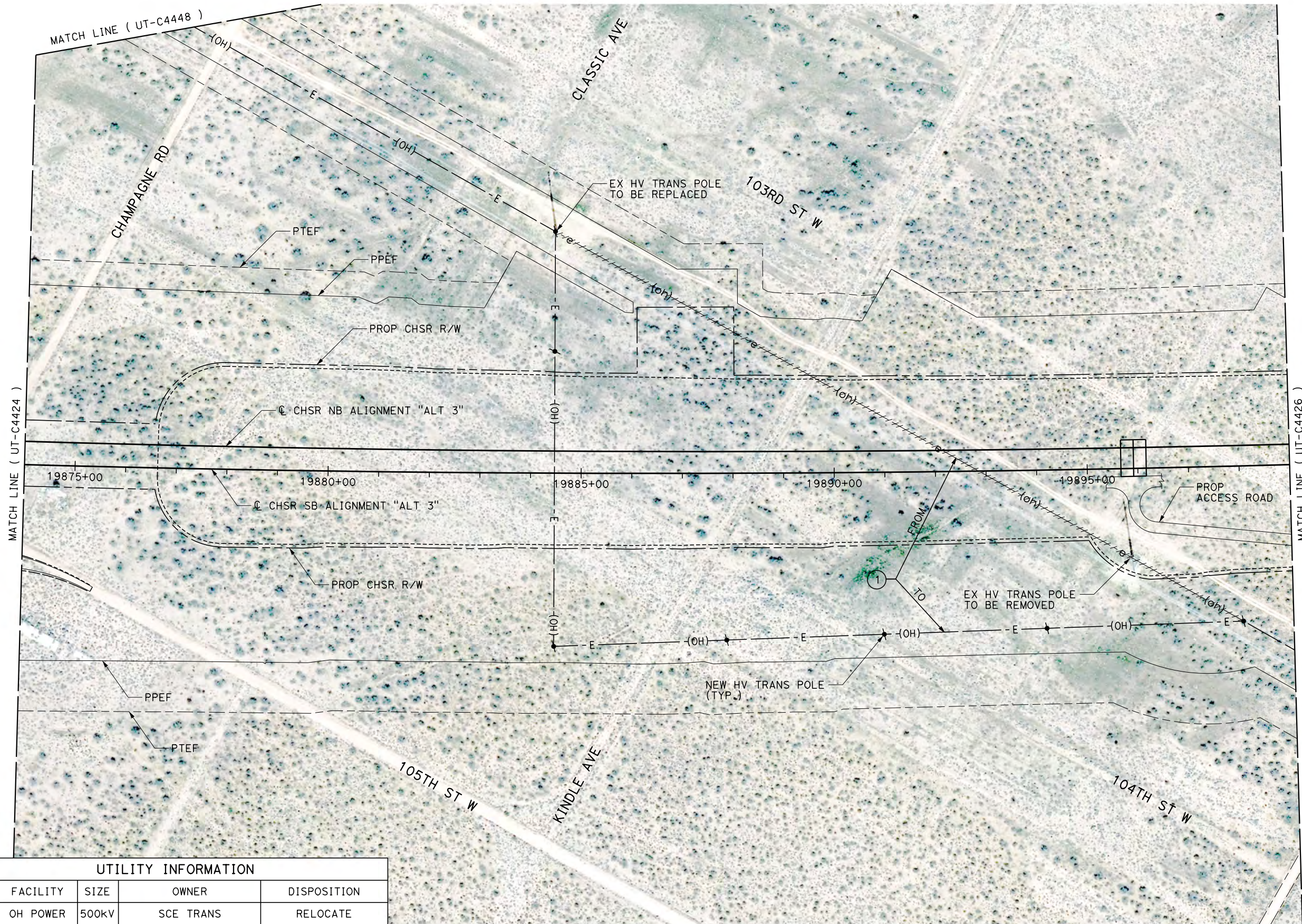
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 3  
 COMPOSITE UTILITY PLAN  
 STA 19849+00 TO 19874+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4424**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt3 (Tenachopi 2)\BP-UT-C4425.dgn

OIC:ADodge 11/7/2017 3:55:40 PM



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**  
DATE  
**10/31/2017**

**RECORD  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

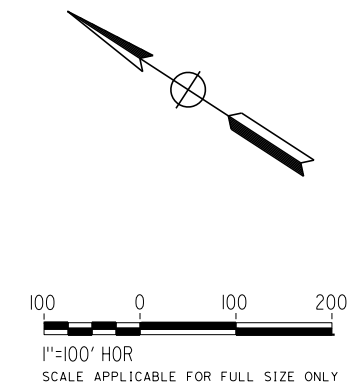
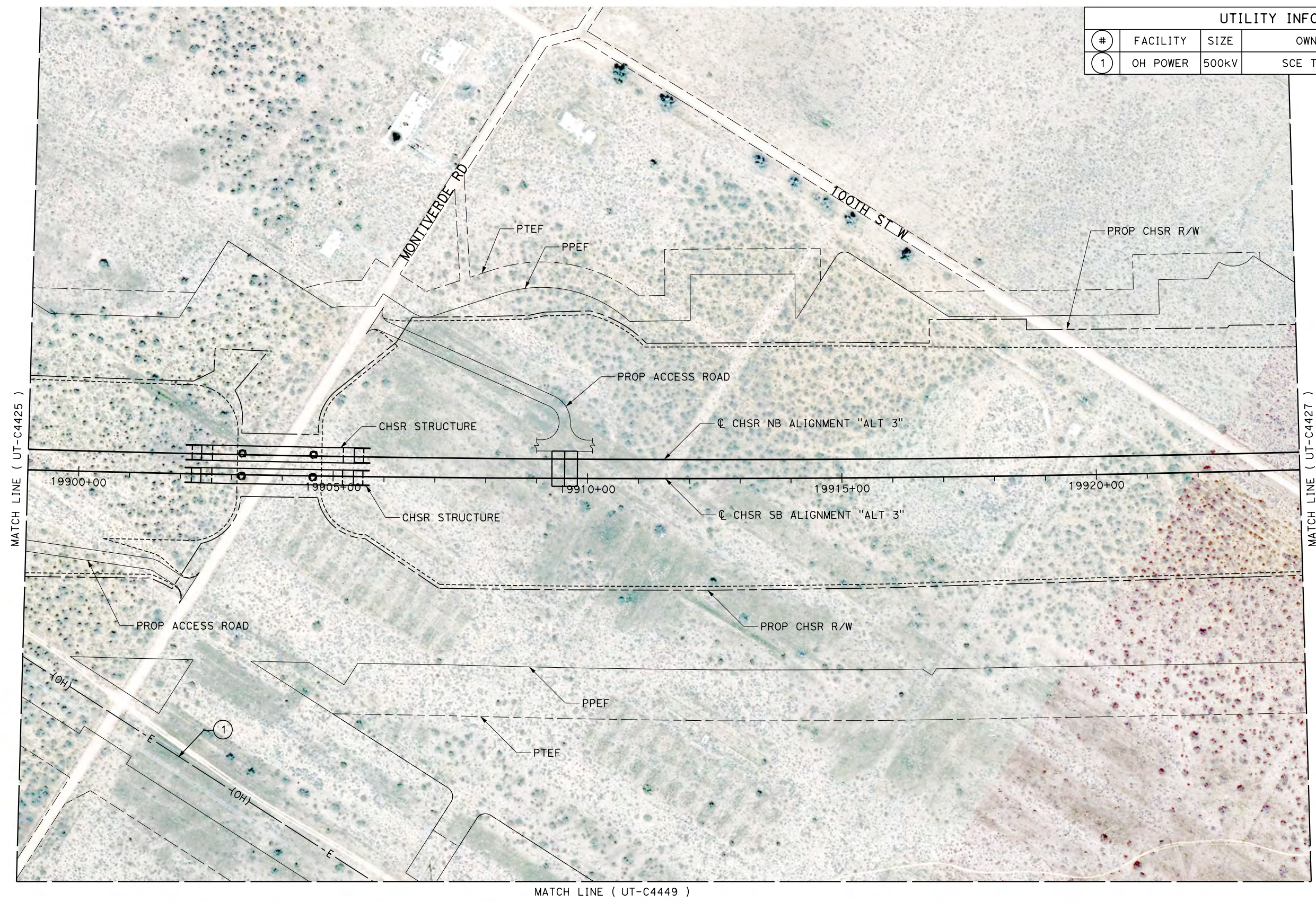
ALTERNATIVE 3  
COMPOSITE UTILITY PLAN  
STA 19874+00 TO 19899+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4425**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\3 (Tenachapi 2)\BP-UT-C4426.dgn  
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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**  
 DRAWN BY  
**H. TU**  
 CHECKED BY  
**D. ARUTA**  
 IN CHARGE  
**S. SMITH**  
 DATE  
**10/31/2017**

**RECORD  
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**NOT FOR  
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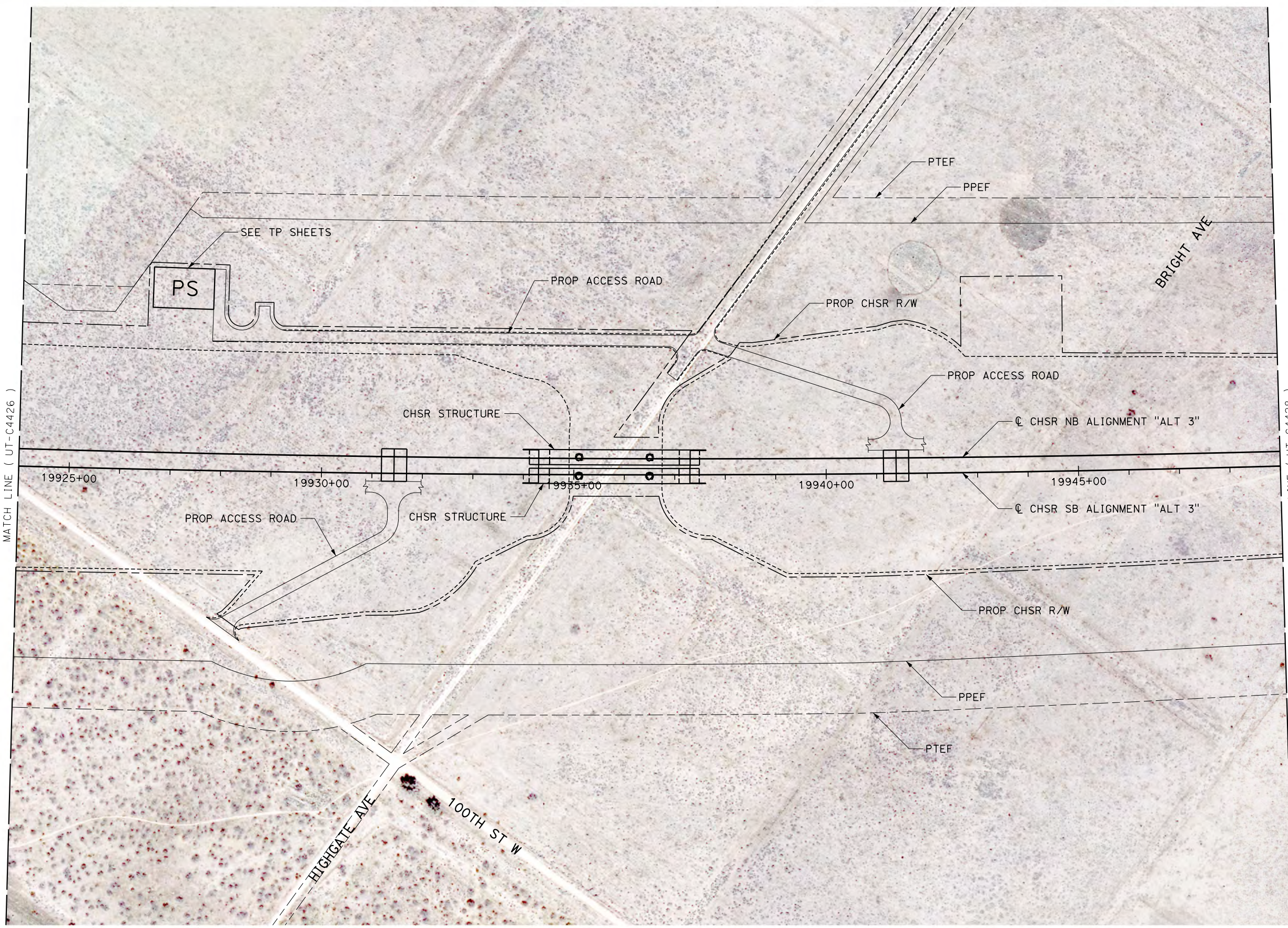


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 3  
 COMPOSITE UTILITY PLAN  
 STA 19899+00 TO 19924+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
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 SCALE  
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 SHEET NO.

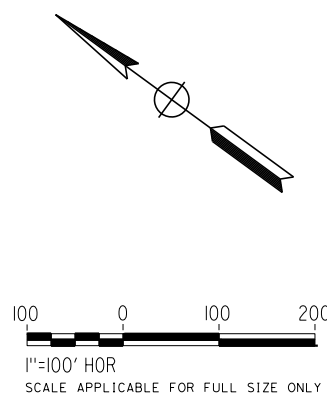


Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt3 (Tenachopi 2)\BP-UT-C4427.dgn  
 11/7/2017 3:55:42 PM  
 OIC:ADodge



MATCH LINE ( UT-C4426 )

MATCH LINE ( UT-C4428 )



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**

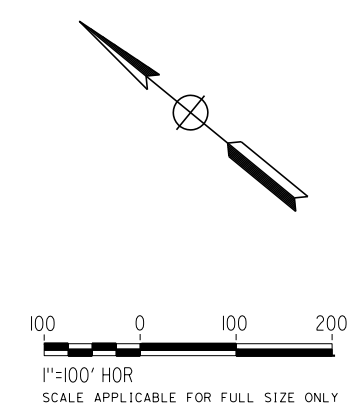
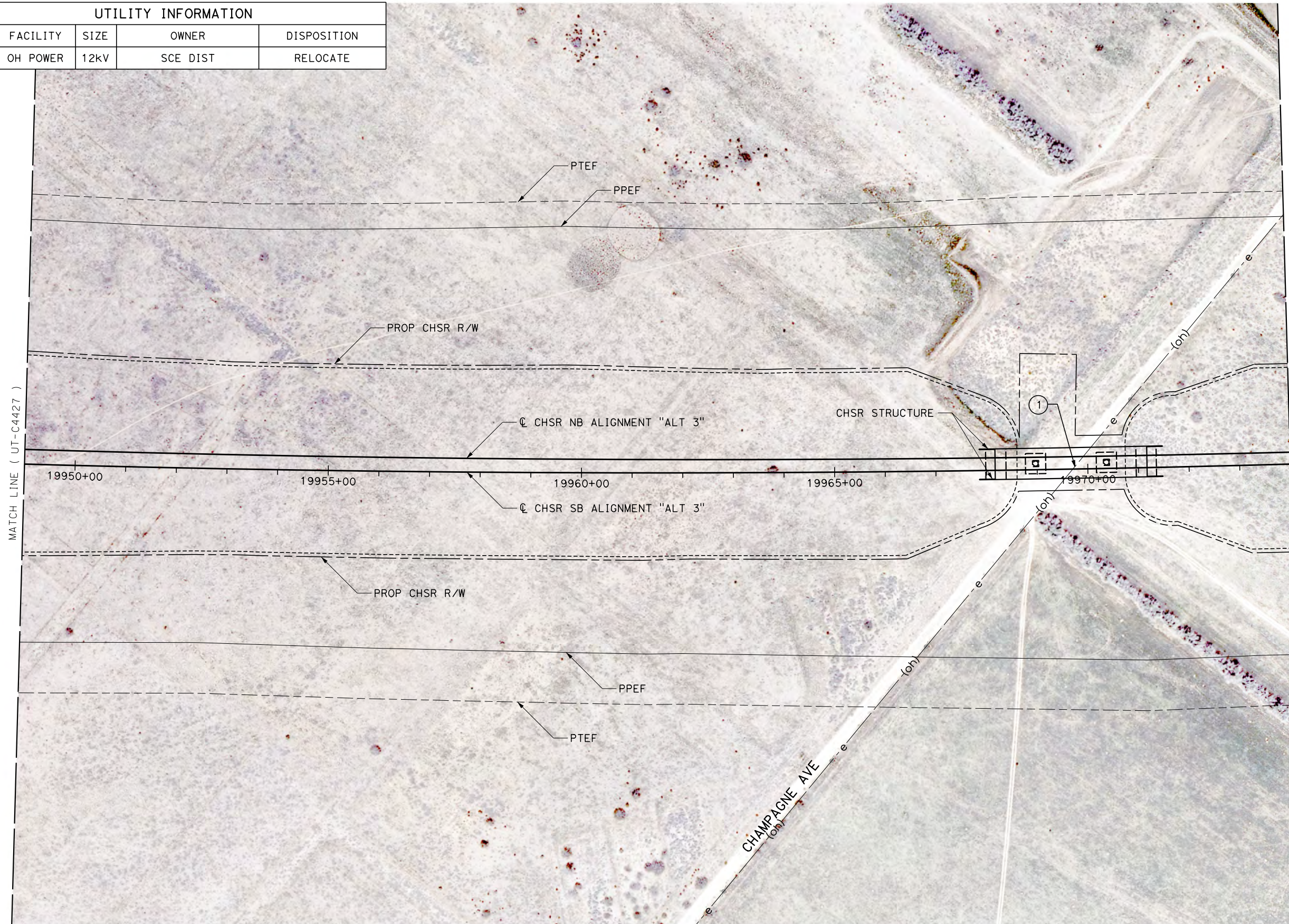


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 3  
 COMPOSITE UTILITY PLAN  
 STA 19924+00 TO 19949+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4427**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12kV	SCE DIST	RELOCATE



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt3 (Tenachapi 2)\BP-UT-C4428.dgn 11/7/2017 3:55:36 PM OIC:ADodge

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 19949+00 TO 19974+00

CONTRACT NO.  
**HSR13-44**

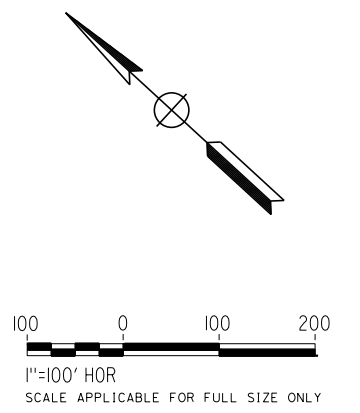
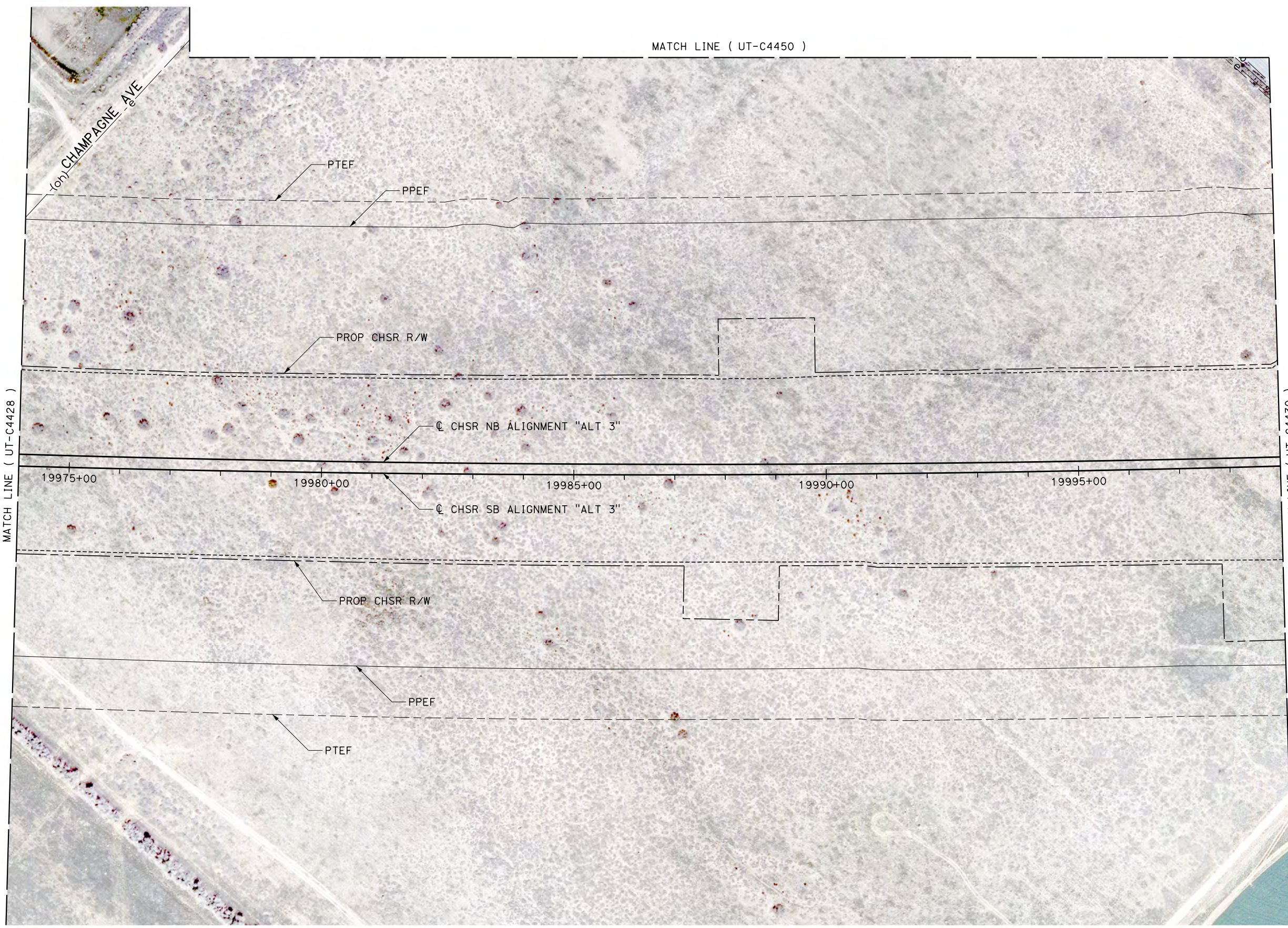
DRAWING NO.  
**UT-C4428**

SCALE  
**AS SHOWN**

SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet\_Files\UT\Alt3 (Tenachopi 2)\BP-UT-C4429.dgn  
 11/7/2017 3:56:19 PM  
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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**

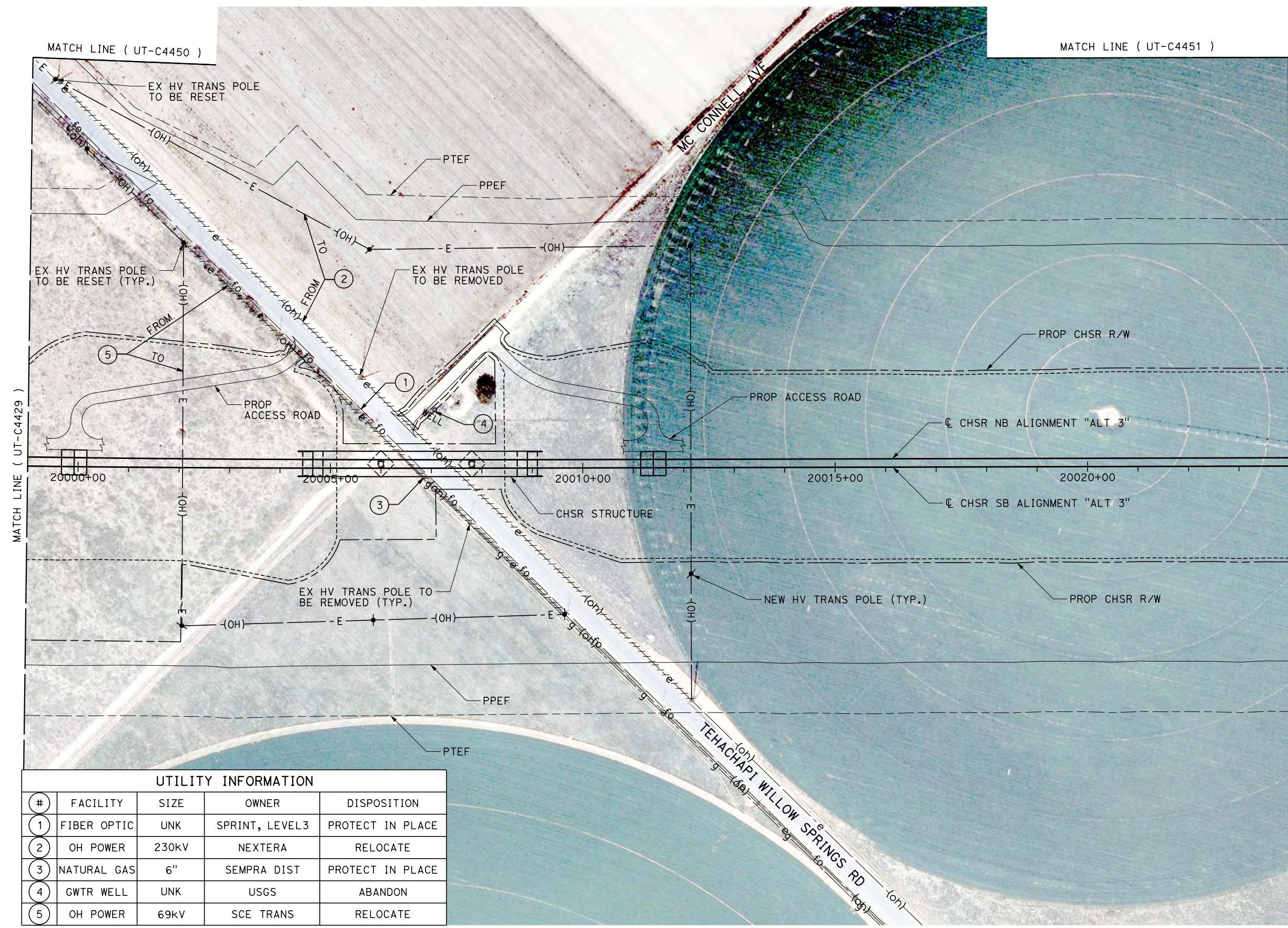


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 3  
 COMPOSITE UTILITY PLAN  
 STA 19974+00 TO 19999+00

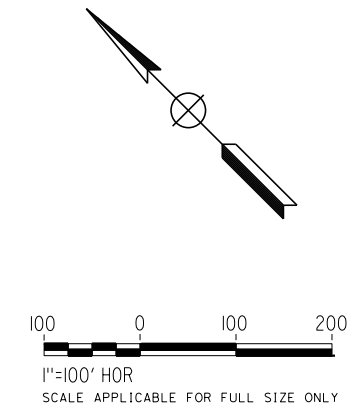
CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4429**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt3 (Tehachapi 2)\BP-UT-C4430.dgn  
 11/7/2017 3:54:48 PM  
 OIC:ADodge



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	SPRINT, LEVEL3	PROTECT IN PLACE
2	OH POWER	230kV	NEXTERA	RELOCATE
3	NATURAL GAS	6"	SEMPRA DIST	PROTECT IN PLACE
4	GWTR WELL	UNK	USGS	ABANDON
5	OH POWER	69kV	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**  
 DATE  
**10/31/2017**

**RECORD  
 PEPD  
 SUBMITTAL**  
  
**NOT FOR  
 CONSTRUCTION**

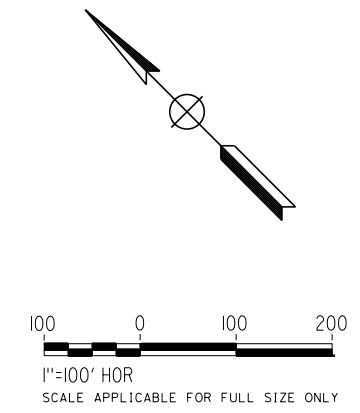
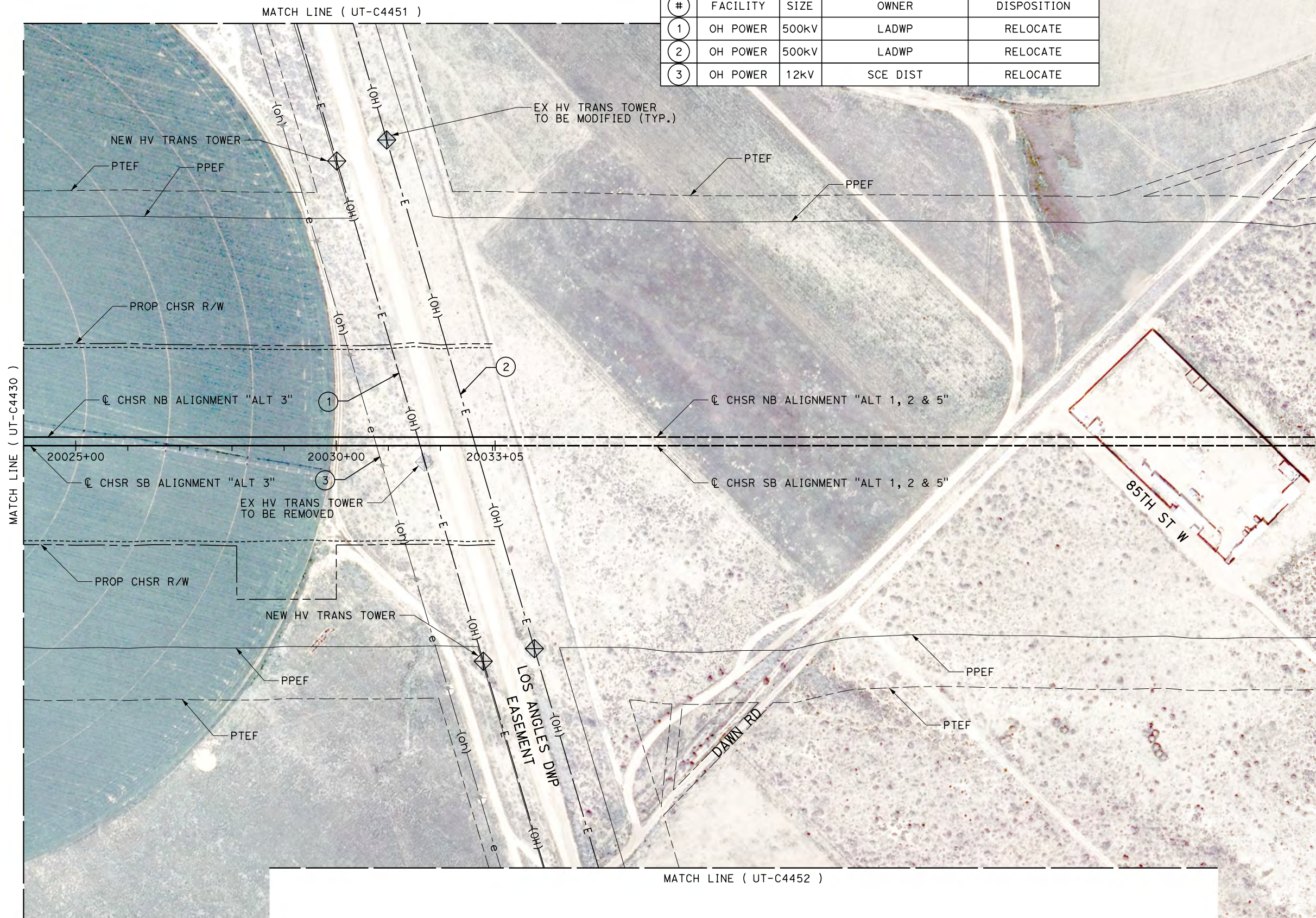


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 3  
 COMPOSITE UTILITY PLAN  
 STA 19999+00 TO 20024+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4430**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	500kV	LADWP	RELOCATE
2	OH POWER	500kV	LADWP	RELOCATE
3	OH POWER	12kV	SCE DIST	RELOCATE



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt3 (Tenachopi 2)\BP-UT-C4431.dgn  
 11/7/2017 3:56:34 PM  
 OIC:Adodge

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  
 PECD  
 SUBMITTAL**  
  
**NOT FOR  
 CONSTRUCTION**



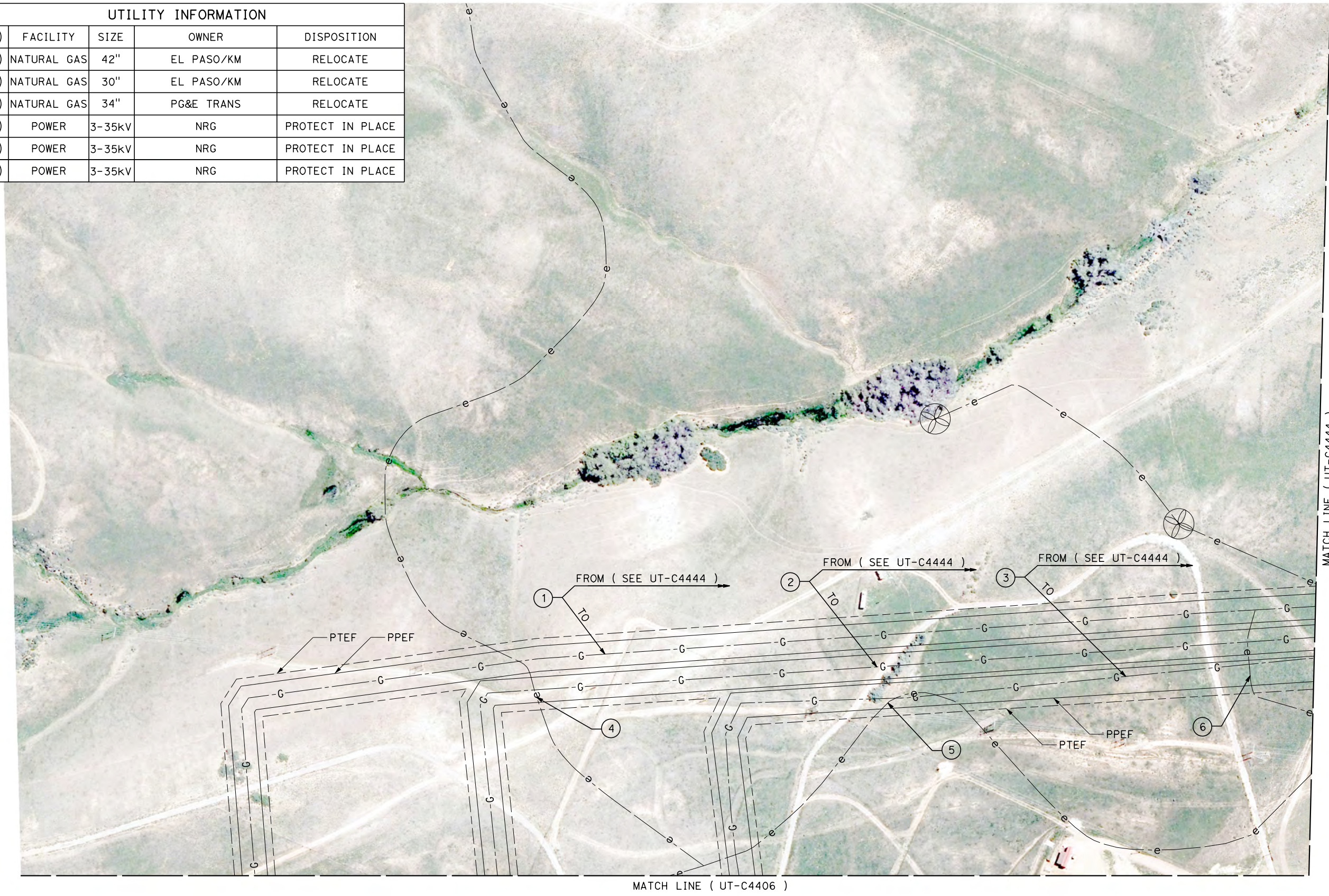
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 3  
 COMPOSITE UTILITY PLAN  
 STA 20024+00 TO 20049+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4431**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



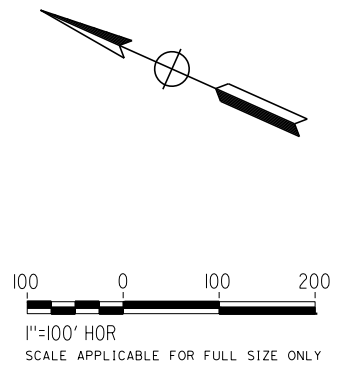
Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\AI\13 (Tenochapi 2)\BP-UT-C4441.dgn

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	42"	EL PASO/KM	RELOCATE
2	NATURAL GAS	30"	EL PASO/KM	RELOCATE
3	NATURAL GAS	34"	PG&E TRANS	RELOCATE
4	POWER	3-35kV	NRG	PROTECT IN PLACE
5	POWER	3-35kV	NRG	PROTECT IN PLACE
6	POWER	3-35kV	NRG	PROTECT IN PLACE



MATCH LINE ( UT-C4444 )

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**



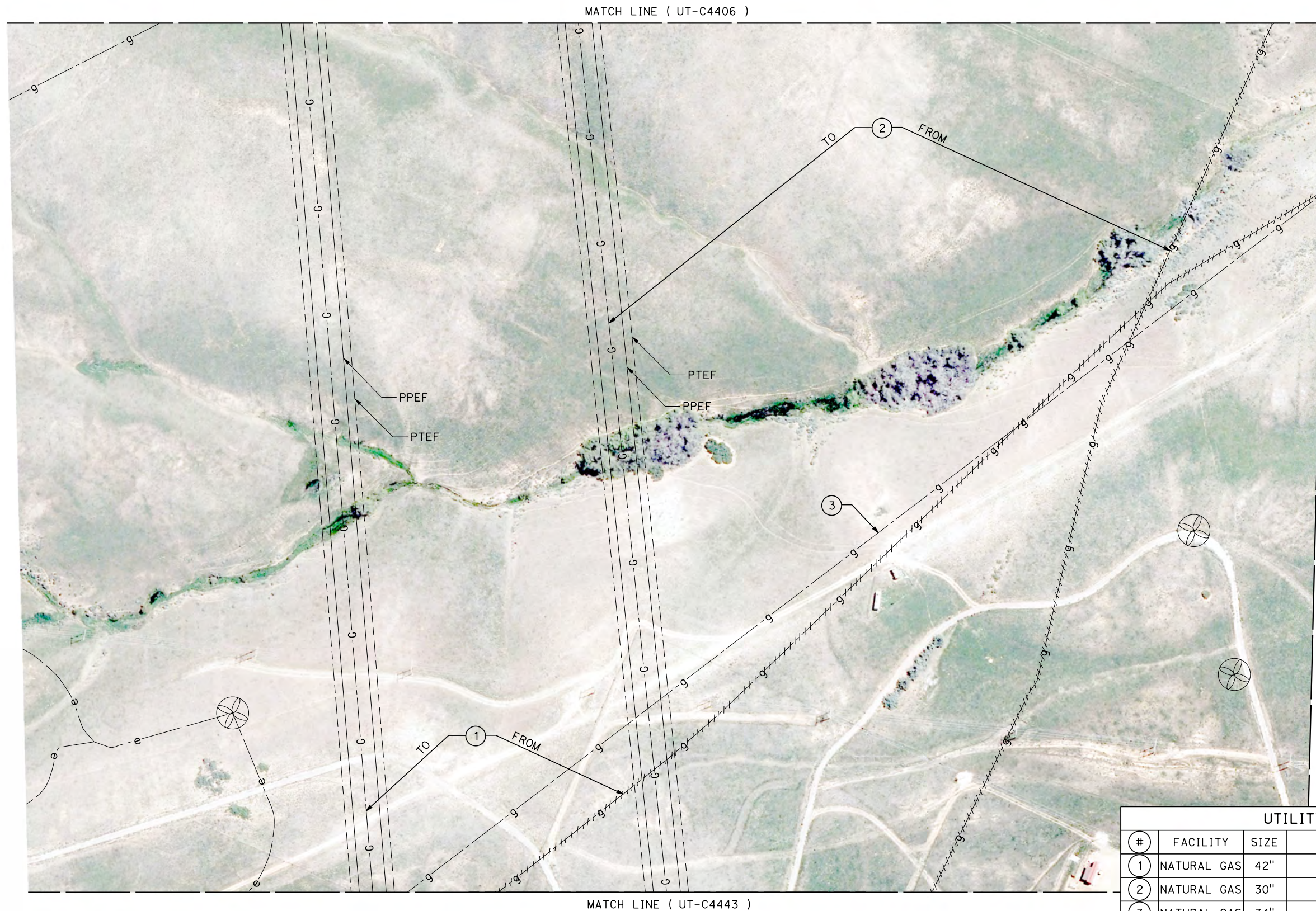
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

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

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4441**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet\_Files\UT\AI\13 (Tenachapi 2)\BP-UT-C4442.dgn  
 11/7/2017 3:56:44 PM  
 OIC:ADodge



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

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**



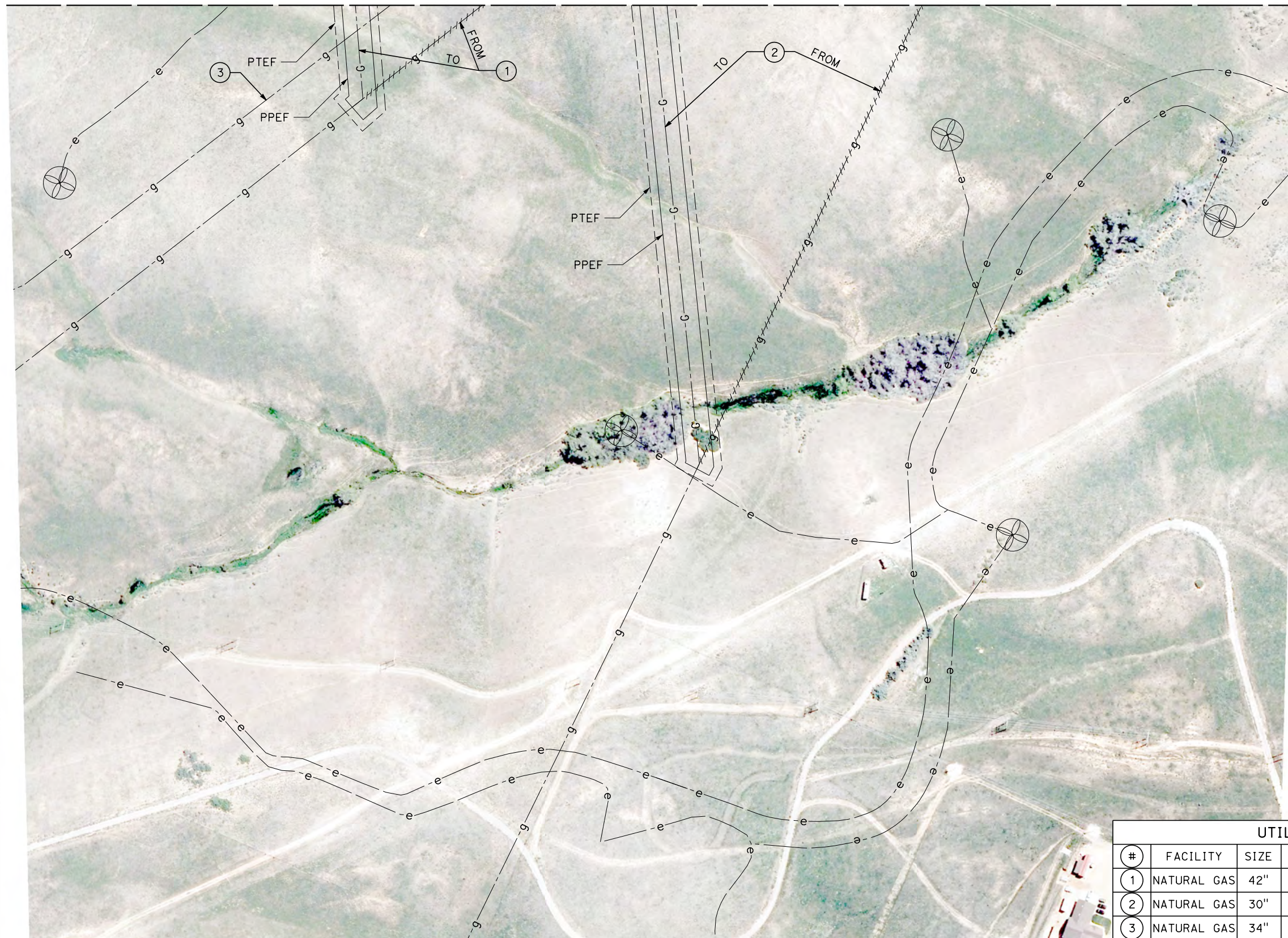
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 3  
 COMPOSITE UTILITY PLAN  
 STA 19399+00 TO 19424+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4442**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\1\13 (Tehachapi 2)\BP-UT-C4443.dgn

MATCH LINE ( UT-C4442 )



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

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

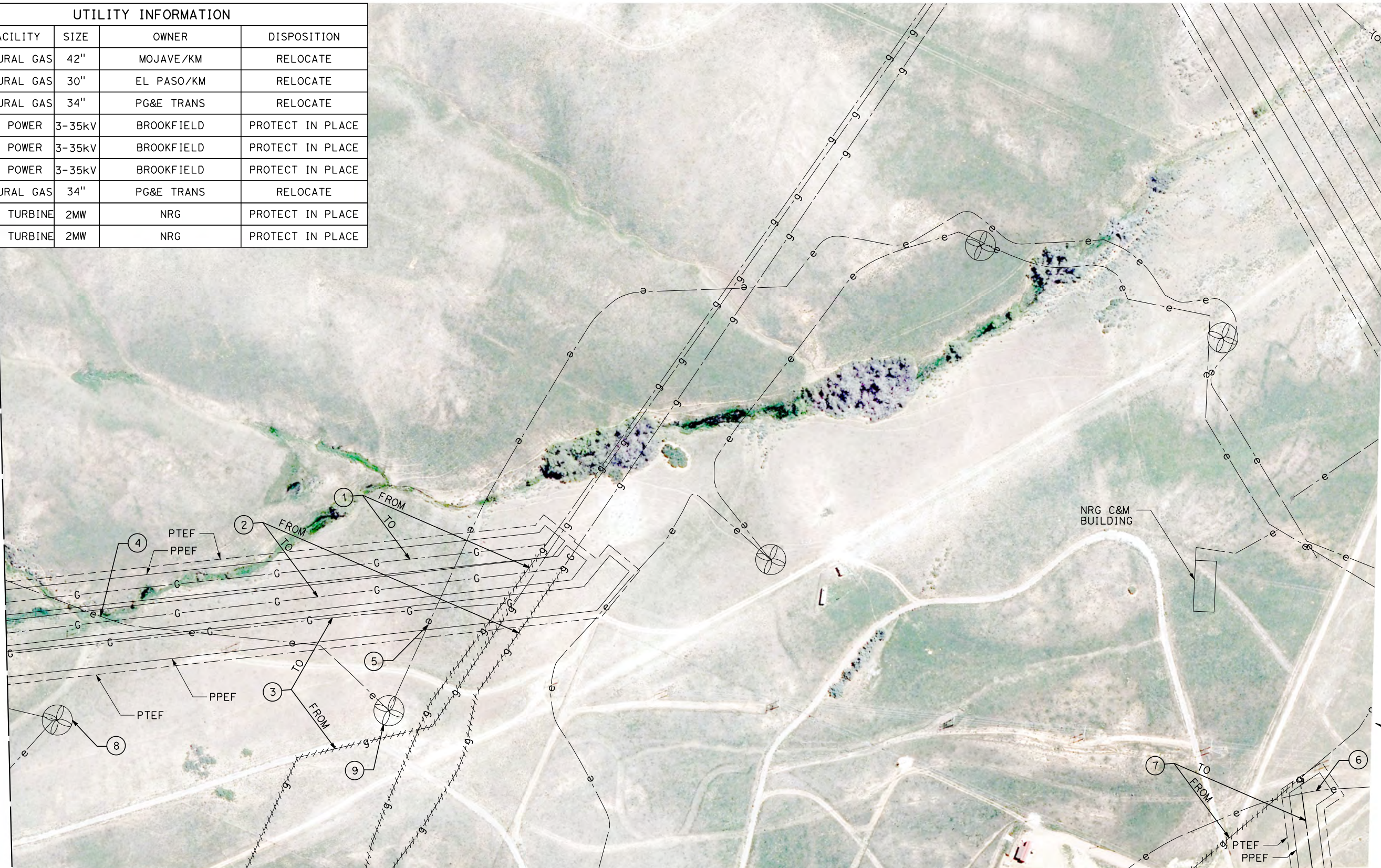
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
UT-C4443  
SCALE  
AS SHOWN  
SHEET NO.



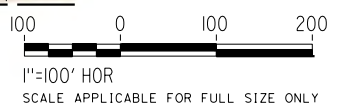
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 11/7/2017 3:58:01 PM  
 OIC:Adodge

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	OH POWER	3-35kV	BROOKFIELD	PROTECT IN PLACE
5	OH POWER	3-35kV	BROOKFIELD	PROTECT IN PLACE
6	OH POWER	3-35kV	BROOKFIELD	PROTECT IN PLACE
7	NATURAL GAS	34"	PG&E TRANS	RELOCATE
8	WIND TURBINE	2MW	NRG	PROTECT IN PLACE
9	WIND TURBINE	2MW	NRG	PROTECT IN PLACE

MATCH LINE ( UT-C4441 )



MATCH LINE ( UT-C4407 )



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**

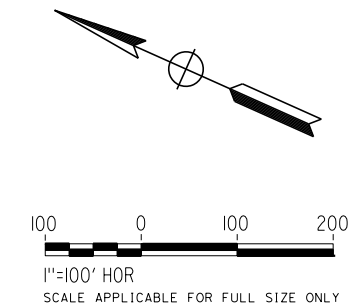
**RECORD  
 PECD  
 SUBMITTAL**  
  
**NOT FOR  
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 3  
 COMPOSITE UTILITY PLAN  
 STA 19424+00 TO 19449+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4444**  
 SCALE  
**AS SHOWN**  
 SHEET NO.





UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	42"	EL PASO/KM	RELOCATE
2	NATURAL GAS	34"	PG&E TRANS	RELOCATE
3	POWER	3-35kV	NRG	PROTECT IN PLACE

11/7/2017 3:57:48 PM  
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 Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\AI\13 (Tehachapi 2)\BP-UT-C4445.dgn

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  
 PECD  
 SUBMITTAL**  
  
**NOT FOR  
 CONSTRUCTION**



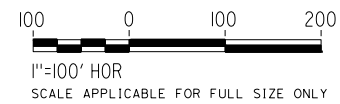
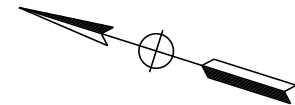
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 3  
 COMPOSITE UTILITY PLAN  
 STA 19424+00 TO 19449+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4445**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\1\13 (Tenachopi 2)\BP-UT-C4446.dgn

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**

DATE  
**10/31/2017**

**RECORD  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 3  
COMPOSITE UTILITY PLAN  
STA 19774+00 TO 19799+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4446**

SCALE  
**AS SHOWN**

SHEET NO.



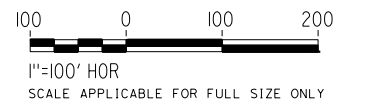
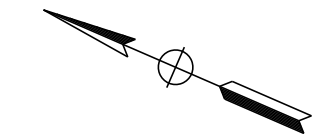
Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\1\13 (Tenachopi 2)\BP-UT-C4447.dgn

OIC:ADodge 11/7/2017 3:59:07 PM

MATCH LINE ( UT-C4423 )



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**  
DATE  
**10/31/2017**

**RECORD  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

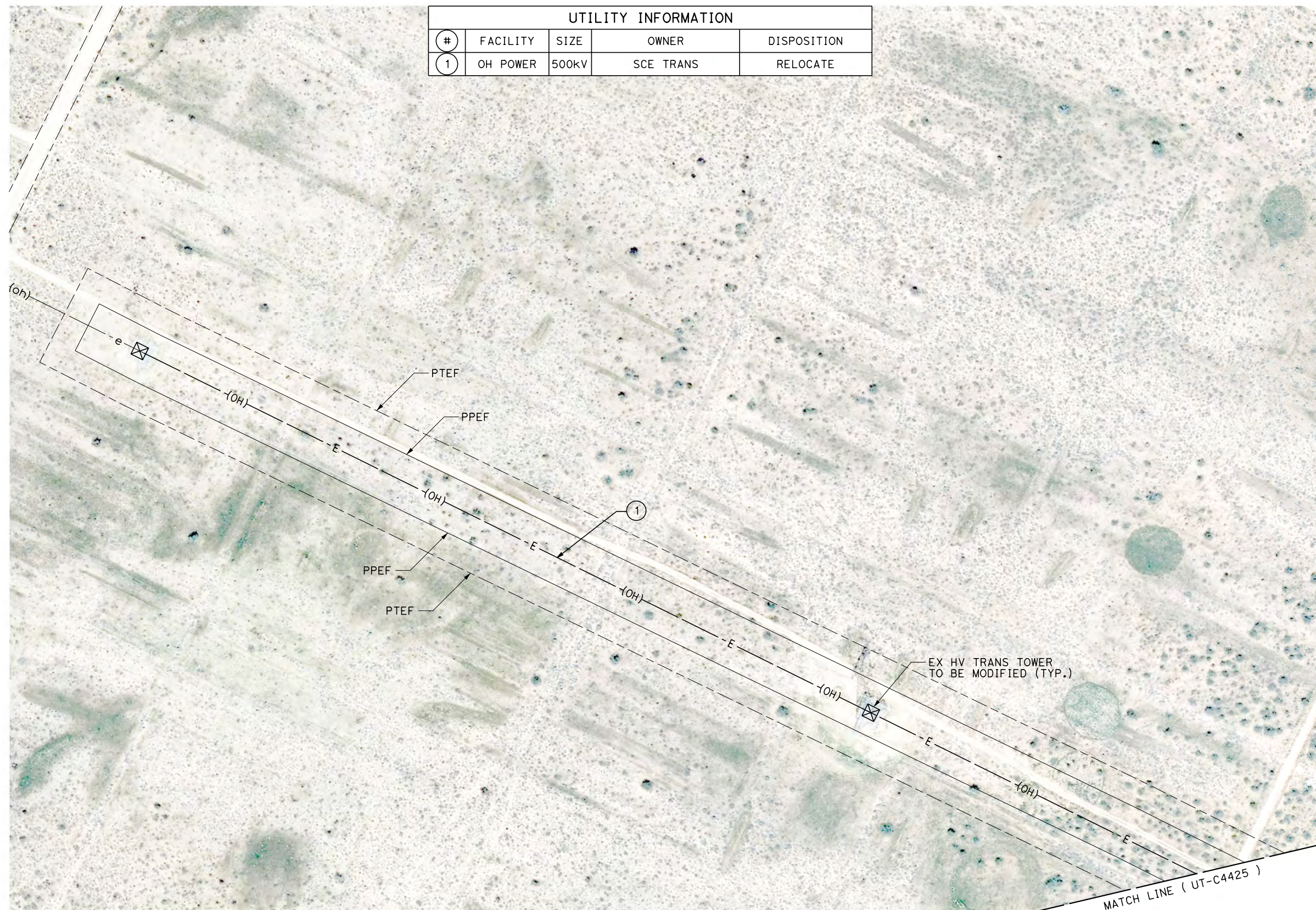
ALTERNATIVE 3  
COMPOSITE UTILITY PLAN  
STA 19824+00 TO 19849+00

CONTRACT NO.  
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DRAWING NO.  
**UT-C4447**  
SCALE  
**AS SHOWN**  
SHEET NO.



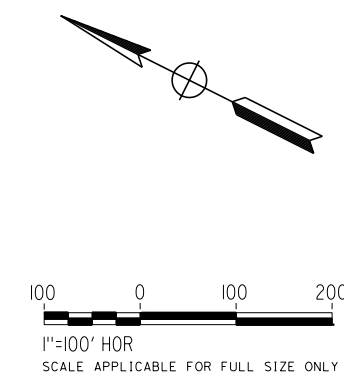
Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\13 (Tenachopi 2)\BP-UT-C4448.dgn

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



MATCH LINE ( UT-C4424 )

MATCH LINE ( UT-C4425 )



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 19849+00 TO 19874+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4448**

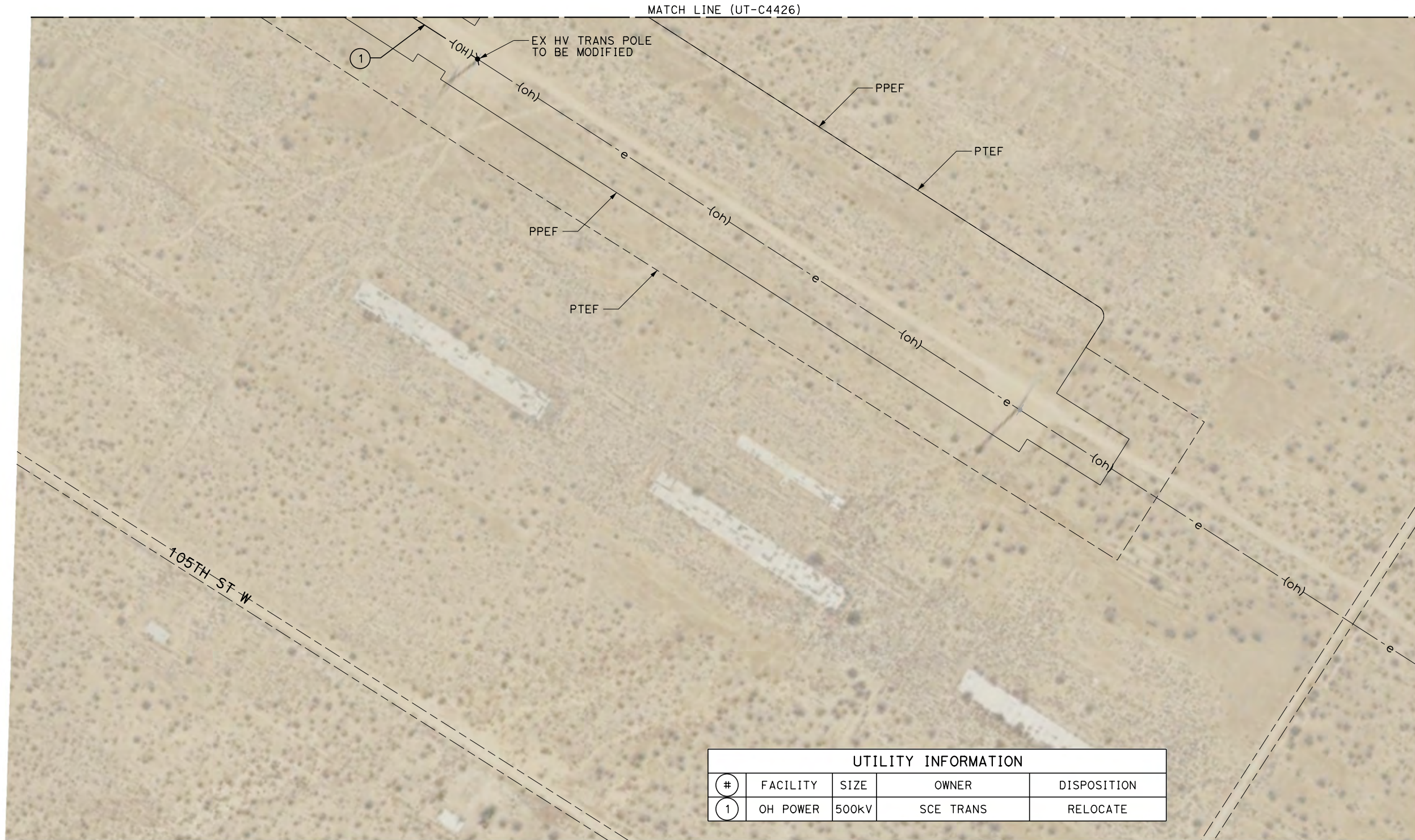
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**AS SHOWN**

SHEET NO.

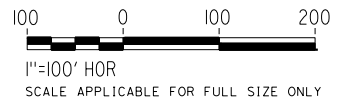
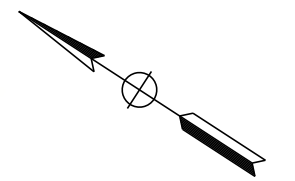


Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\AI\13 (Tehachapi 2)\BP-UT-C4449.dgn

OIC:ADodge 11/7/2017 3:58:24 PM



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**  
DATE  
**10/31/2017**

**RECORD  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



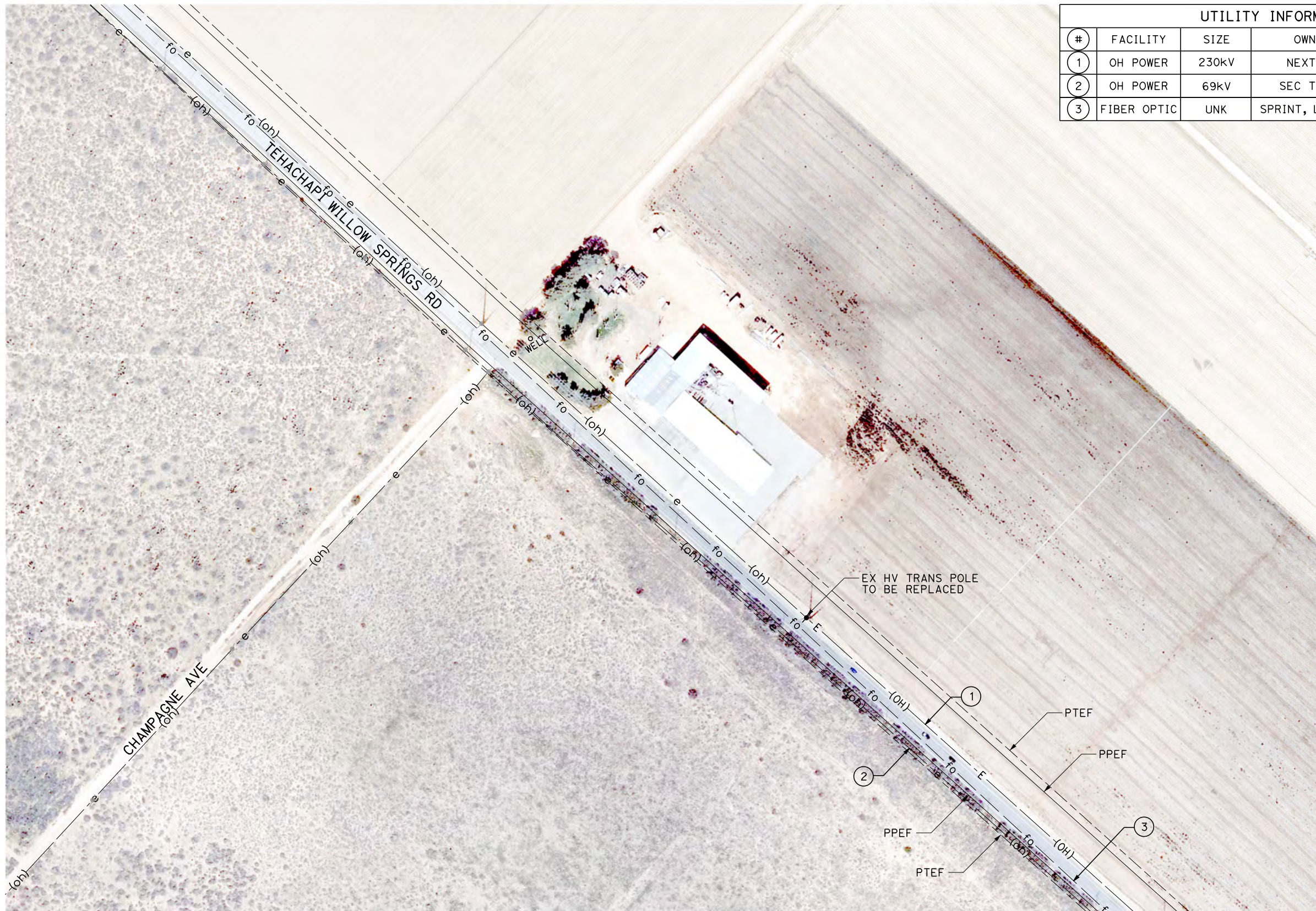
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3  
COMPOSITE UTILITY PLAN  
STA 19899+00 TO 19924+00

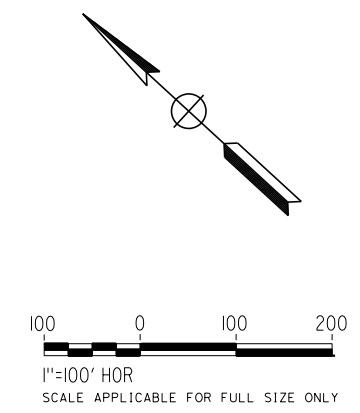
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**HSR13-44**  
DRAWING NO.  
**UT-C4449**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\1\13 (Tehachapi 2)\BP-UT-C4450.dgn



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	230kV	NEXTERA	RELOCATE
2	OH POWER	69kV	SEC TRANS	PROTECT IN PLACE
3	FIBER OPTIC	UNK	SPRINT, LEVEL 3	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 3  
COMPOSITE UTILITY PLAN  
STA 19974+00 TO 19999+00

CONTRACT NO.  
**HSR13-44**

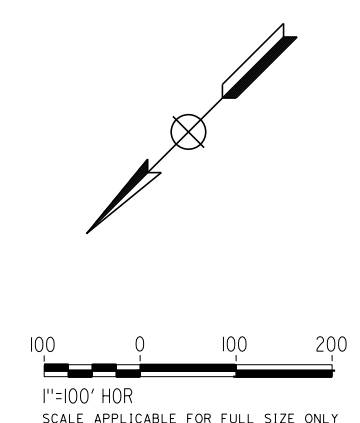
DRAWING NO.  
**UT-C4450**

SCALE  
**AS SHOWN**

SHEET NO.



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



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\AI\3 (Tenachapi 2)\BP-UT-C4451.dgn  
 11/7/2017 3:58:07 PM  
 OIC:Adodge

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 20024+00 TO 20049+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4451**  
 SCALE  
**AS SHOWN**  
 SHEET NO.

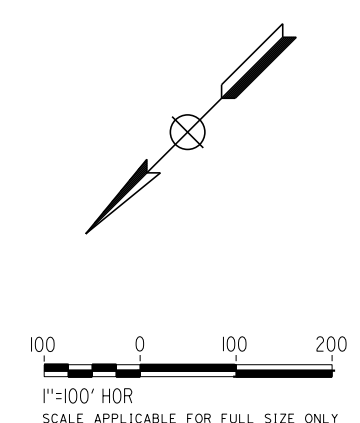


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OIC:ADodge 11/7/2017 3:57:57 PM



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  
**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 20024+00 TO 20049+00

CONTRACT NO.  
HSR13-44

DRAWING NO.  
UT-C4452

SCALE  
AS SHOWN

SHEET NO.



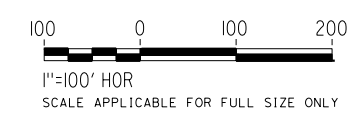
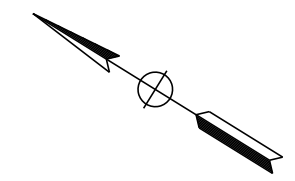
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OIC:ADodge 11/7/2017 4:00:03 PM

BEGIN ALTERNATIVE 5



MATCH LINE ( UT-C4502 )



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**

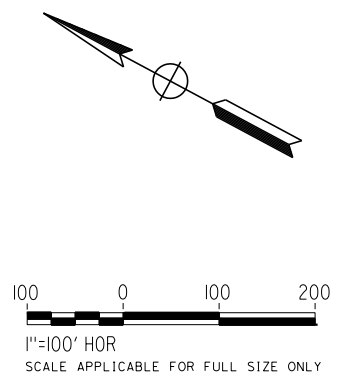
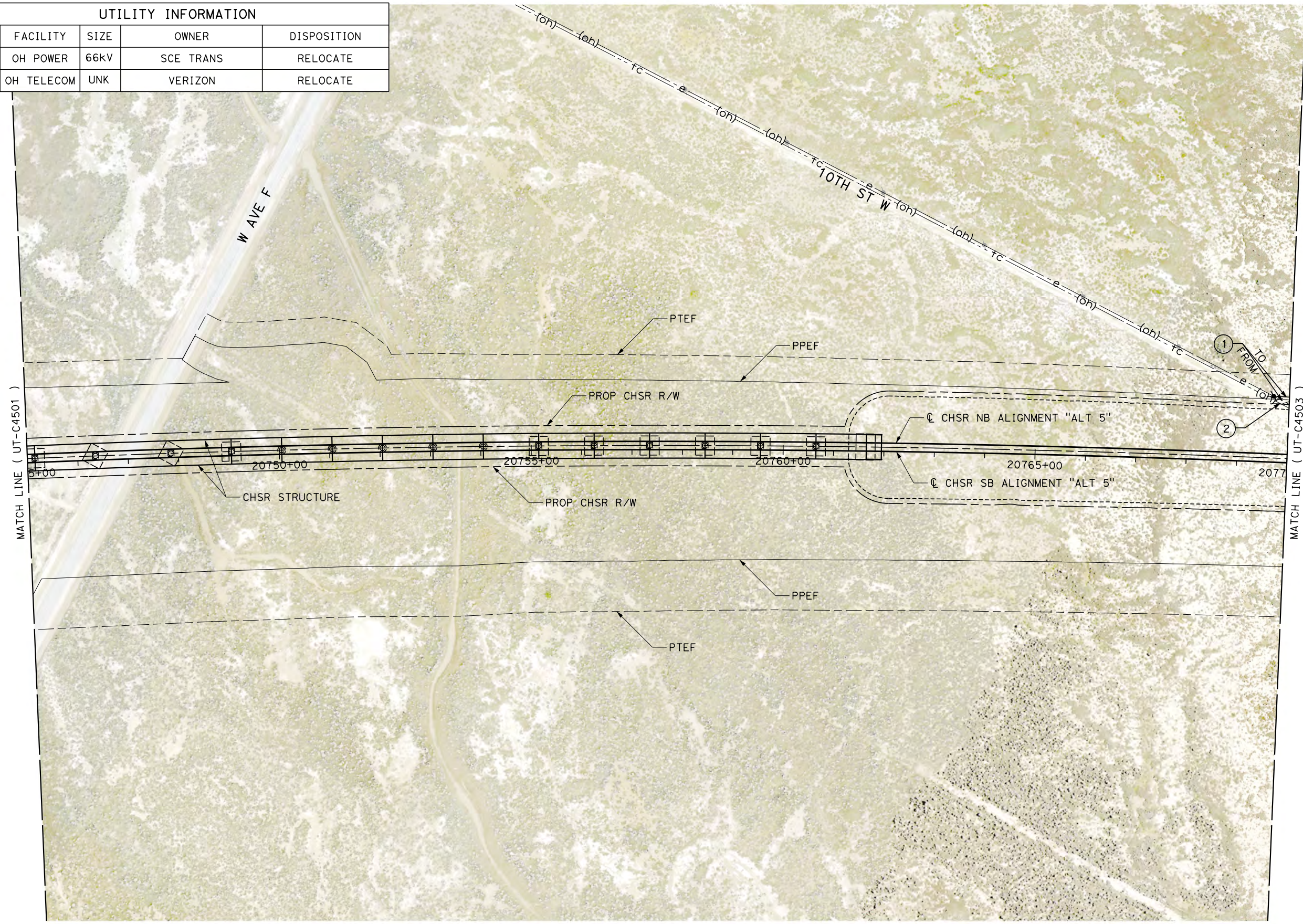
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20720+00 TO 20745+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4501**  
SCALE  
**AS SHOWN**  
SHEET NO.



11/7/2017 3:59:55 PM OIC:Adodge Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster A)\BP-UT-C4502.dgn

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	66kV	SCE TRANS	RELOCATE
2	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  
 PEPD  
 SUBMITTAL**  
  
**NOT FOR  
 CONSTRUCTION**



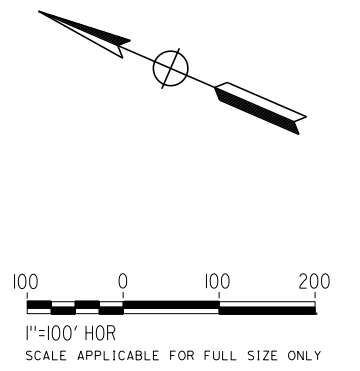
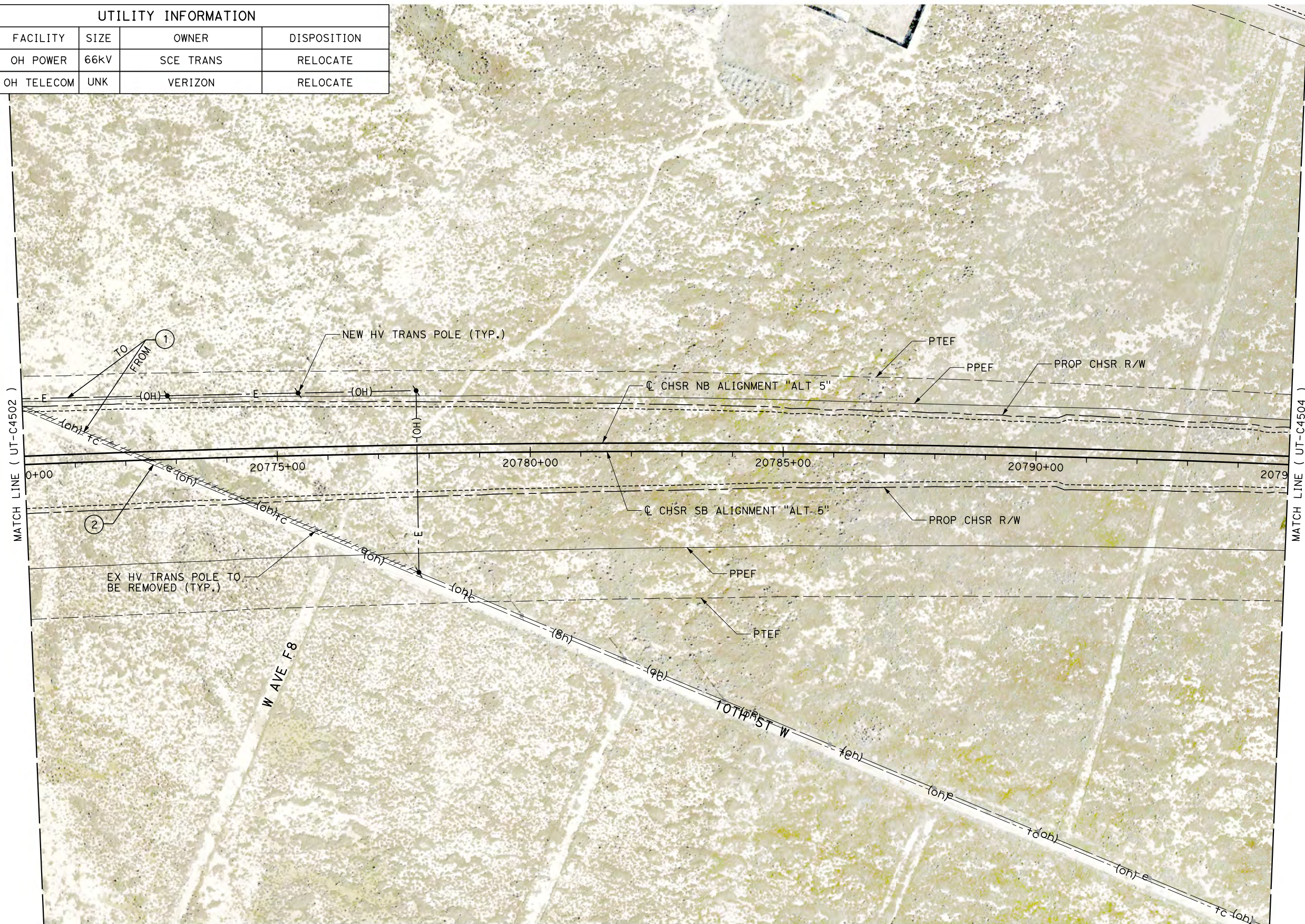
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 BAKERSFIELD TO PALMDALE**  
  
 ALTERNATIVE 5  
 COMPOSITE UTILITY PLAN  
 STA 20745+00 TO 20770+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4502**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	66KV	SCE TRANS	RELOCATE
2	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  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20770+00 TO 20795+00

CONTRACT NO.  
HSR13-44

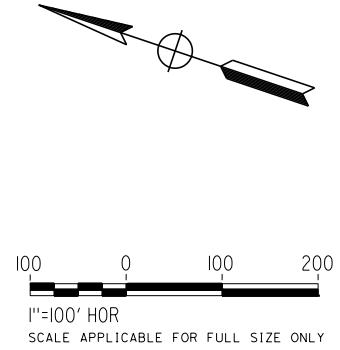
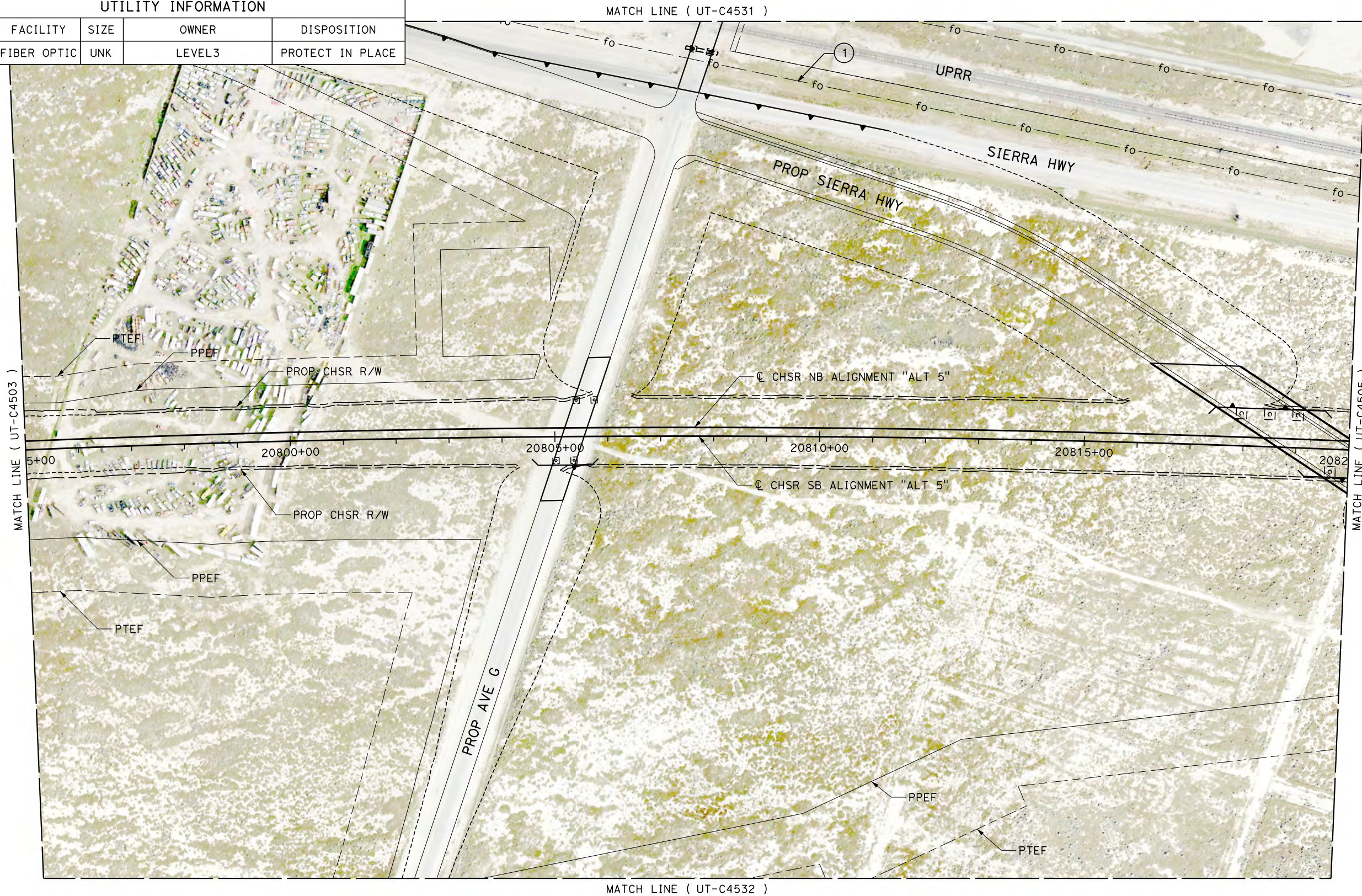
DRAWING NO.  
UT-C4503

SCALE  
AS SHOWN

SHEET NO.



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	LEVEL3	PROTECT IN PLACE



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster A)\BP-UT-C4504.dgn 11/7/2017 4:00:20 PM OIC,ADodge

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 5  
COMPOSITE UTILITY PLAN  
STA 20795+00 TO 20820+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4504**

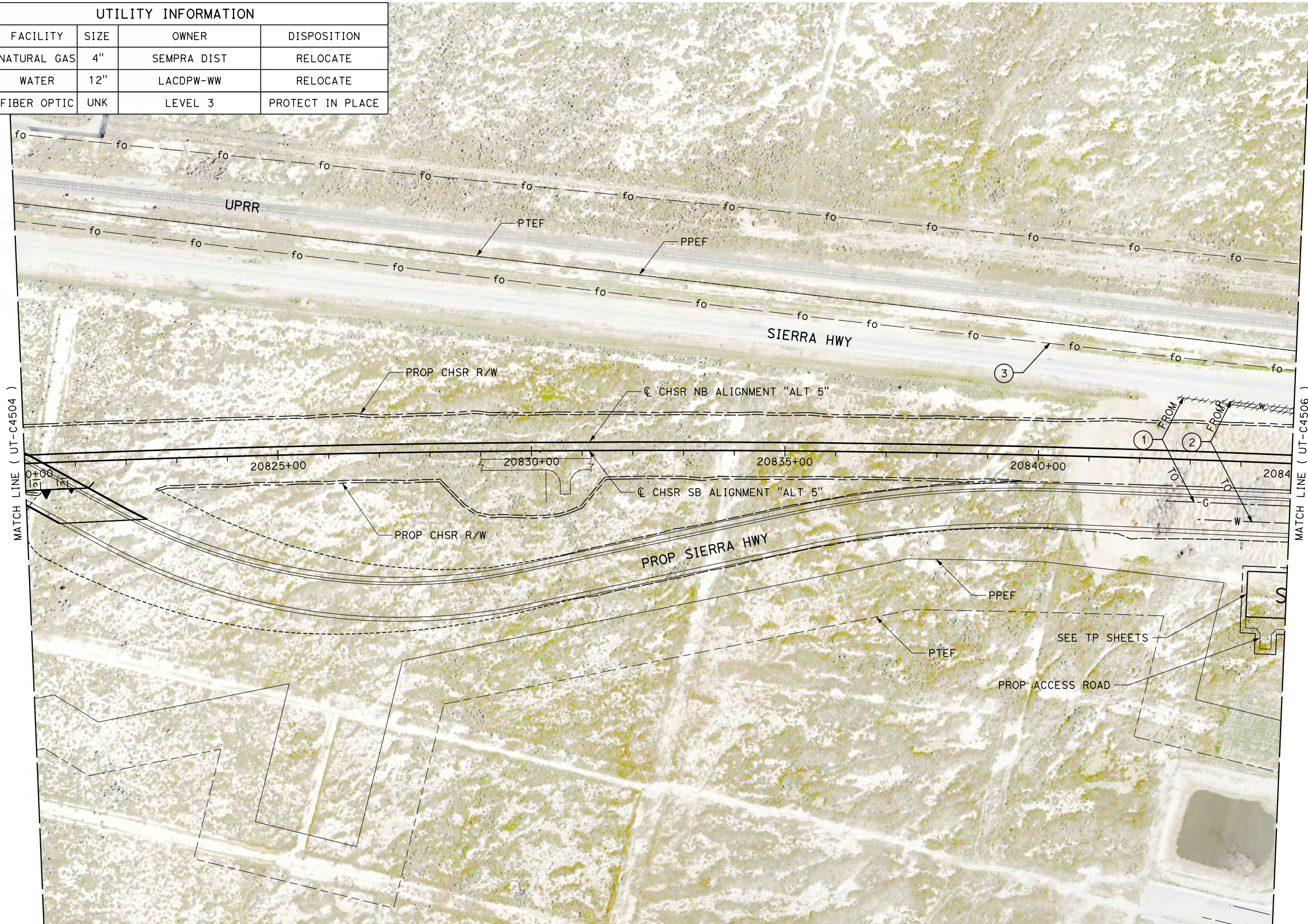
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**AS SHOWN**

SHEET NO.



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11/7/2017 4:02:03 PM  
OIC: Adodge

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
2	WATER	12"	LACDPW-WW	RELOCATE
3	FIBER OPTIC	UNK	LEVEL 3	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**

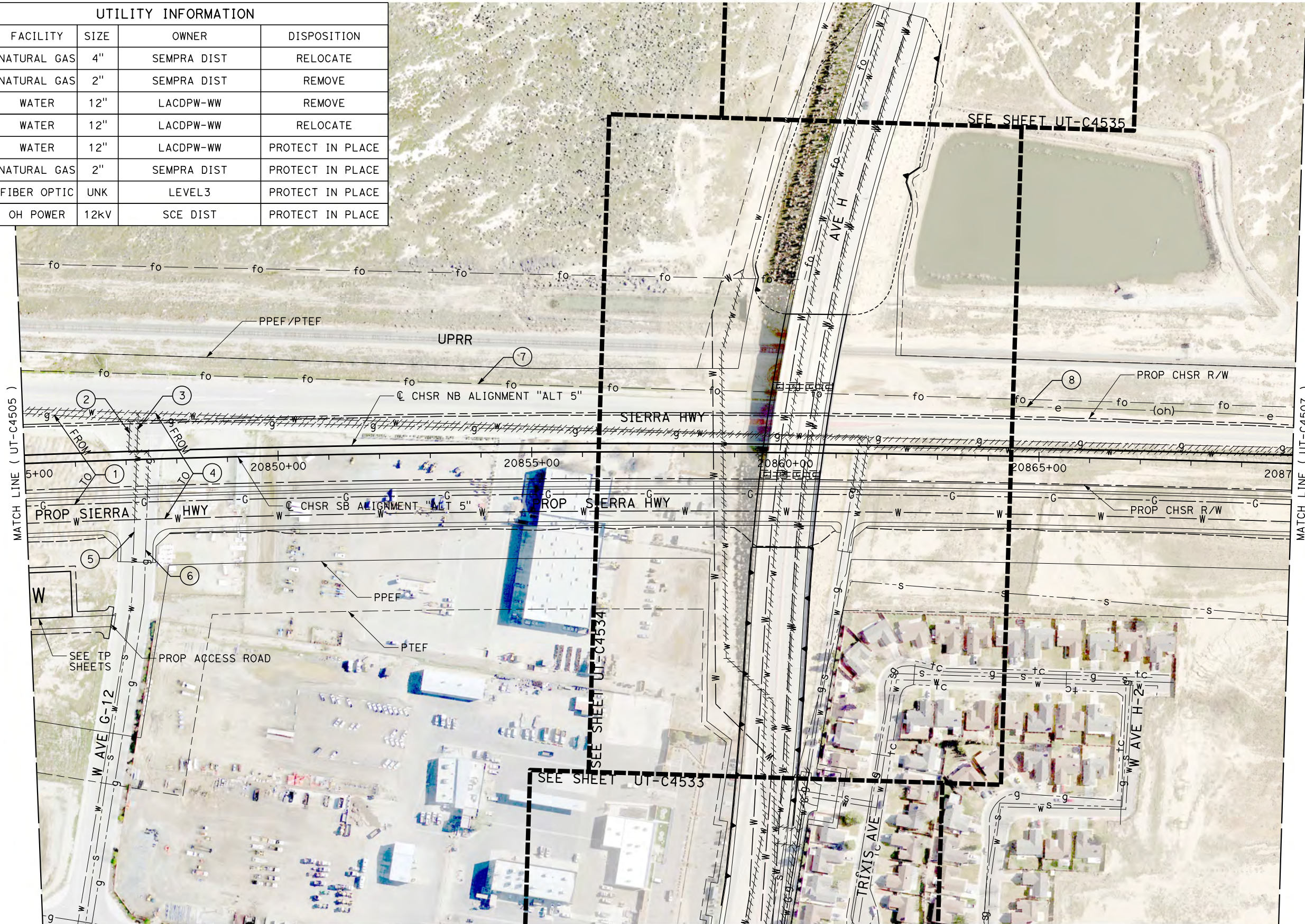
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20820+00 TO 20845+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4505**  
SCALE  
**AS SHOWN**  
SHEET NO.



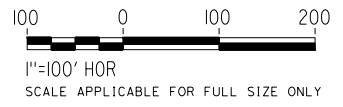
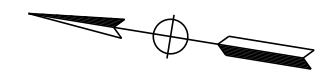
11/7/2017 4:00:14 PM OIC:ADodge Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster A)\BP-UT-C4506.dgn

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
2	NATURAL GAS	2"	SEMPRA DIST	REMOVE
3	WATER	12"	LACDPW-WW	REMOVE
4	WATER	12"	LACDPW-WW	RELOCATE
5	WATER	12"	LACDPW-WW	PROTECT IN PLACE
6	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
7	FIBER OPTIC	UNK	LEVEL3	PROTECT IN PLACE
8	OH POWER	12kV	SCE DIST	PROTECT IN PLACE



MATCH LINE ( UT-C4505 )

MATCH LINE ( UT-C4507 )



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 5  
 COMPOSITE UTILITY PLAN  
 STA 20845+00 TO 20870+00

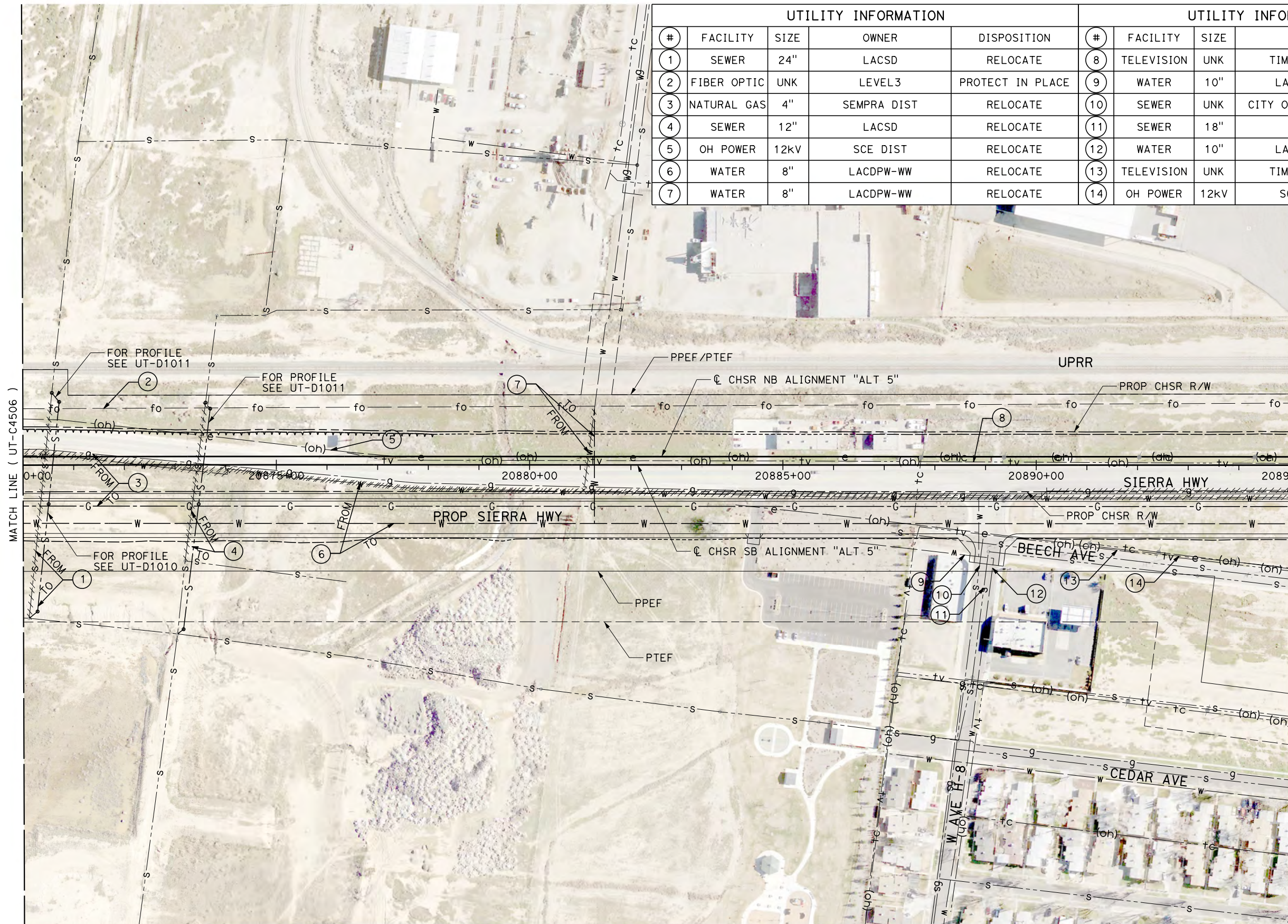
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**HSR13-44**  
 DRAWING NO.  
**UT-C4506**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster A)\BP-UT-C4507.dgn

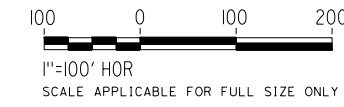
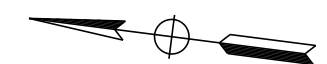
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UTILITY INFORMATION					UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	24"	LACSD	RELOCATE	8	TELEVISION	UNK	TIME WARNER	RELOCATE
2	FIBER OPTIC	UNK	LEVEL3	PROTECT IN PLACE	9	WATER	10"	LACDPW-WW	PROTECT IN PLACE
3	NATURAL GAS	4"	SEMPRA DIST	RELOCATE	10	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
4	SEWER	12"	LACSD	RELOCATE	11	SEWER	18"	LACSD	PROTECT IN PLACE
5	OH POWER	12KV	SCE DIST	RELOCATE	12	WATER	10"	LACDPW-WW	PROTECT IN PLACE
6	WATER	8"	LACDPW-WW	RELOCATE	13	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
7	WATER	8"	LACDPW-WW	RELOCATE	14	OH POWER	12KV	SCE DIST	PROTECT IN PLACE



MATCH LINE ( UT-C4506 )

MATCH LINE ( UT-C4508 )



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**

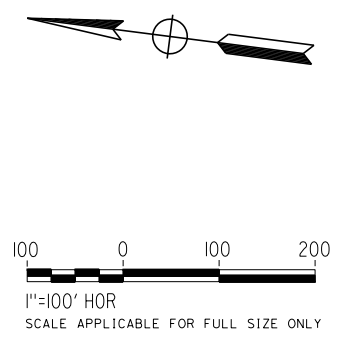
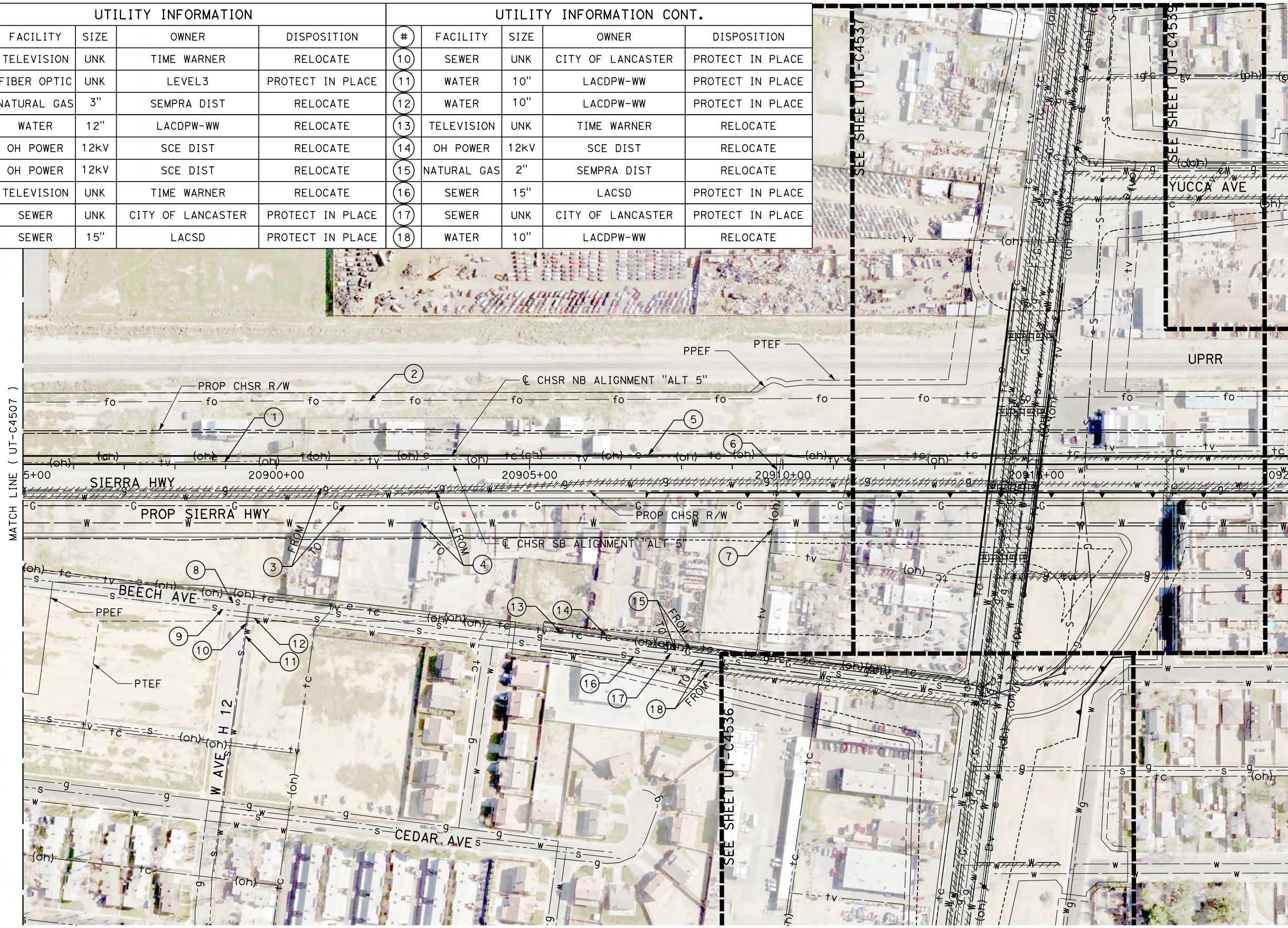
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20870+00 TO 20895+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4507**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A\15 (Lancaster A)\BP-UT-C4508.dgn 11/7/2017 4:01:04 PM OIC:Adodge

UTILITY INFORMATION					UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION
1	TELEVISION	UNK	TIME WARNER	RELOCATE	10	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
2	FIBER OPTIC	UNK	LEVEL3	PROTECT IN PLACE	11	WATER	10"	LACDPW-WW	PROTECT IN PLACE
3	NATURAL GAS	3"	SEMPRA DIST	RELOCATE	12	WATER	10"	LACDPW-WW	PROTECT IN PLACE
4	WATER	12"	LACDPW-WW	RELOCATE	13	TELEVISION	UNK	TIME WARNER	RELOCATE
5	OH POWER	12KV	SCE DIST	RELOCATE	14	OH POWER	12KV	SCE DIST	RELOCATE
6	OH POWER	12KV	SCE DIST	RELOCATE	15	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
7	TELEVISION	UNK	TIME WARNER	RELOCATE	16	SEWER	15"	LACSD	PROTECT IN PLACE
8	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE	17	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
9	SEWER	15"	LACSD	PROTECT IN PLACE	18	WATER	10"	LACDPW-WW	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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PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

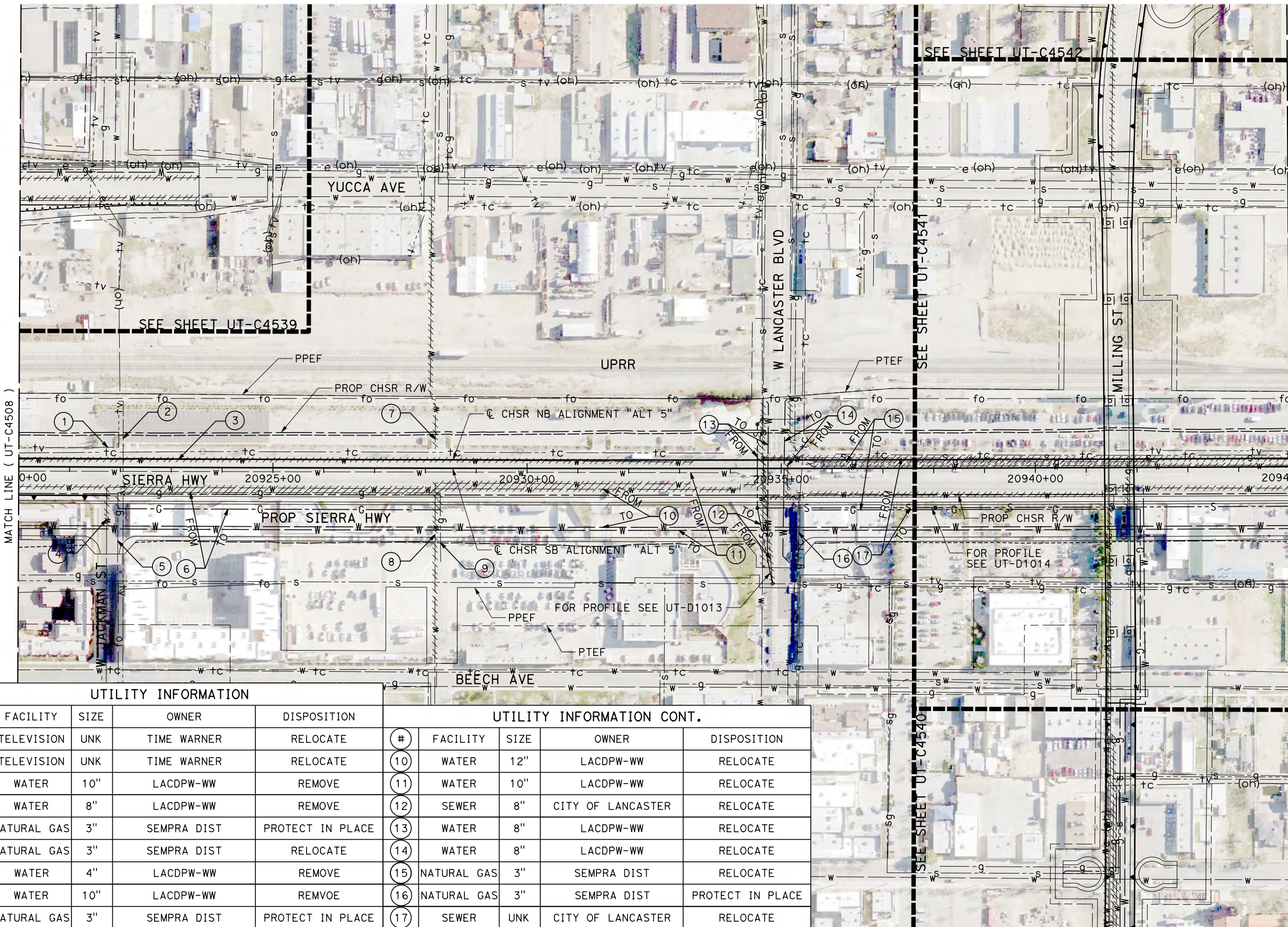


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

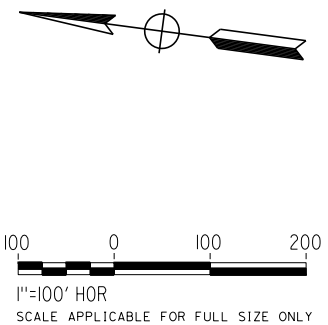
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20895+00 TO 20920+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4508**  
SCALE  
**AS SHOWN**  
SHEET NO.





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

**NOT FOR  
CONSTRUCTION**



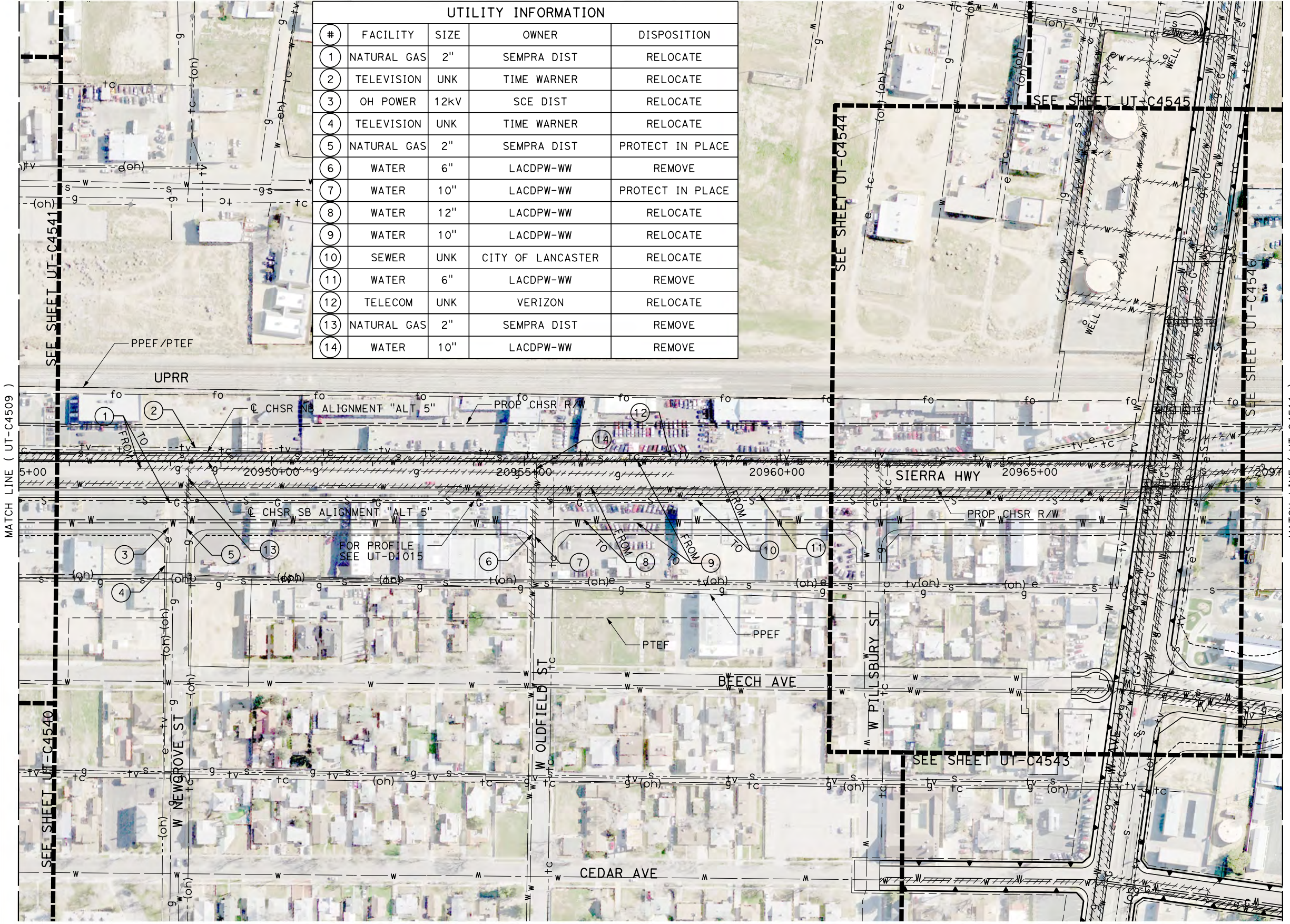
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20920+00 TO 20945+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4509**  
SCALE  
**AS SHOWN**  
SHEET NO.

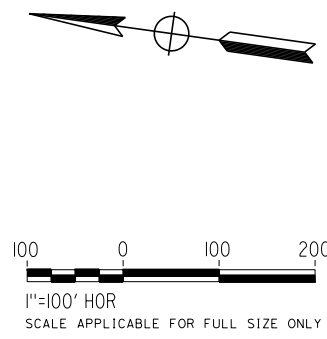


UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
2	TELEVISION	UNK	TIME WARNER	RELOCATE
3	OH POWER	12KV	SCE DIST	RELOCATE
4	TELEVISION	UNK	TIME WARNER	RELOCATE
5	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
6	WATER	6"	LACDPW-WW	REMOVE
7	WATER	10"	LACDPW-WW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



MATCH LINE ( UT-C4509 )

MATCH LINE ( UT-C4511 )



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 5  
COMPOSITE UTILITY PLAN  
STA 20945+00 TO 20970+00

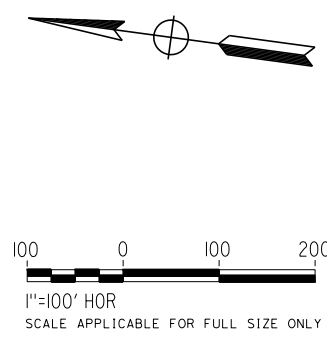
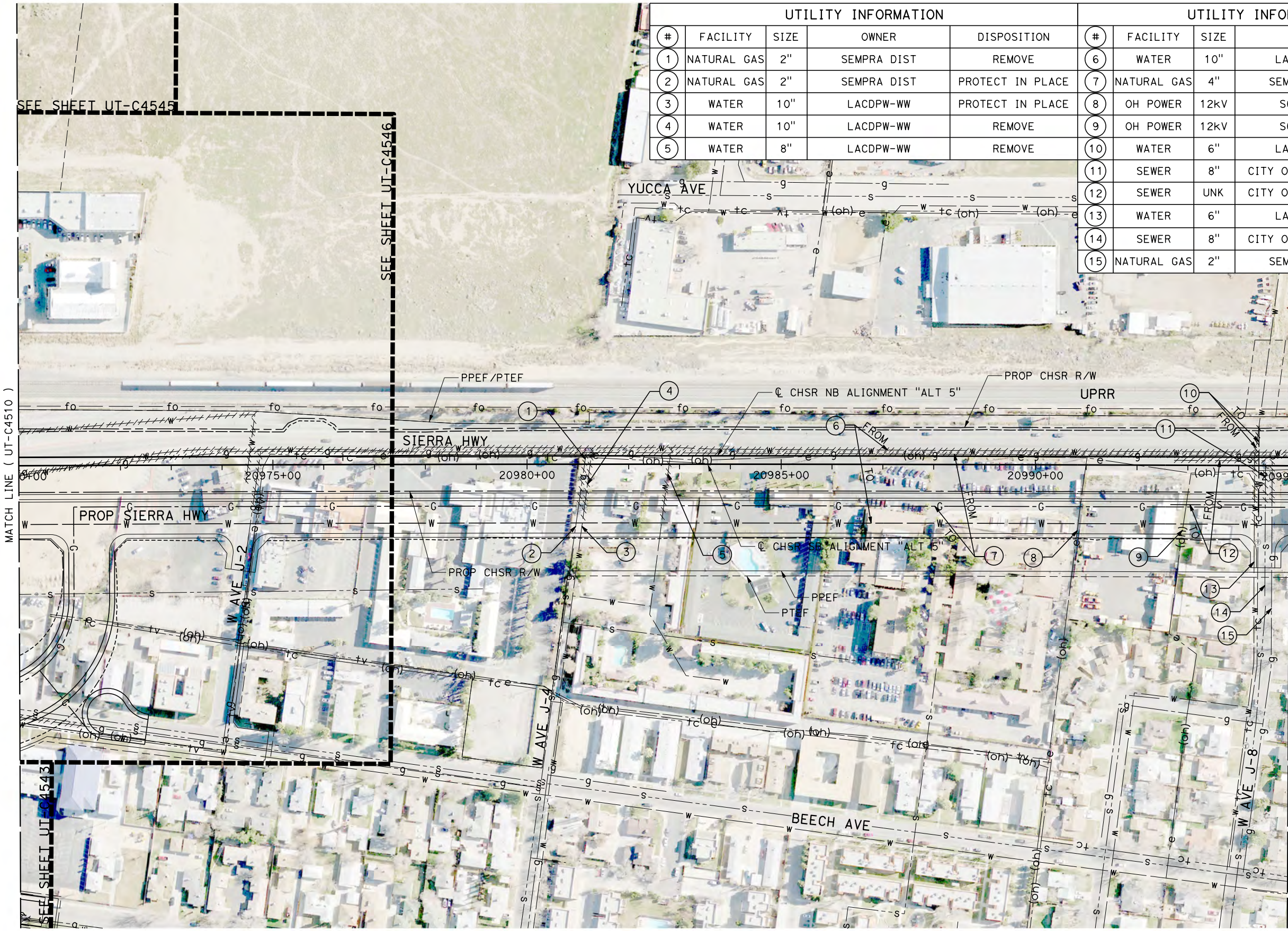
CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4510**  
SCALE  
**AS SHOWN**  
SHEET NO.



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UTILITY INFORMATION					UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	2"	SEMPRA DIST	REMOVE	6	WATER	10"	LACDPW-WW	RELOCATE
2	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE	7	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
3	WATER	10"	LACDPW-WW	PROTECT IN PLACE	8	OH POWER	12kV	SCE DIST	RELOCATE
4	WATER	10"	LACDPW-WW	REMOVE	9	OH POWER	12kV	SCE DIST	RELOCATE
5	WATER	8"	LACDPW-WW	REMOVE	10	WATER	6"	LACDPW-WW	RELOCATE
					11	SEWER	8"	CITY OF LANCASTER	REMOVE
					12	SEWER	UNK	CITY OF LANCASTER	RELOCATE
					13	WATER	6"	LACDPW-WW	PROTECT IN PLACE
					14	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
					15	NATURAL GAS	2"	SEMPRA DIST	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 5  
COMPOSITE UTILITY PLAN  
STA 20970+00 TO 20995+00

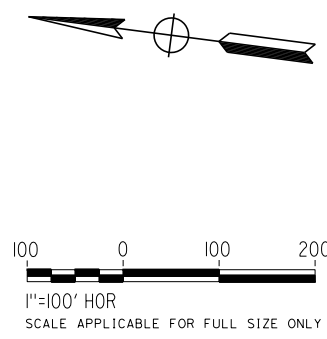
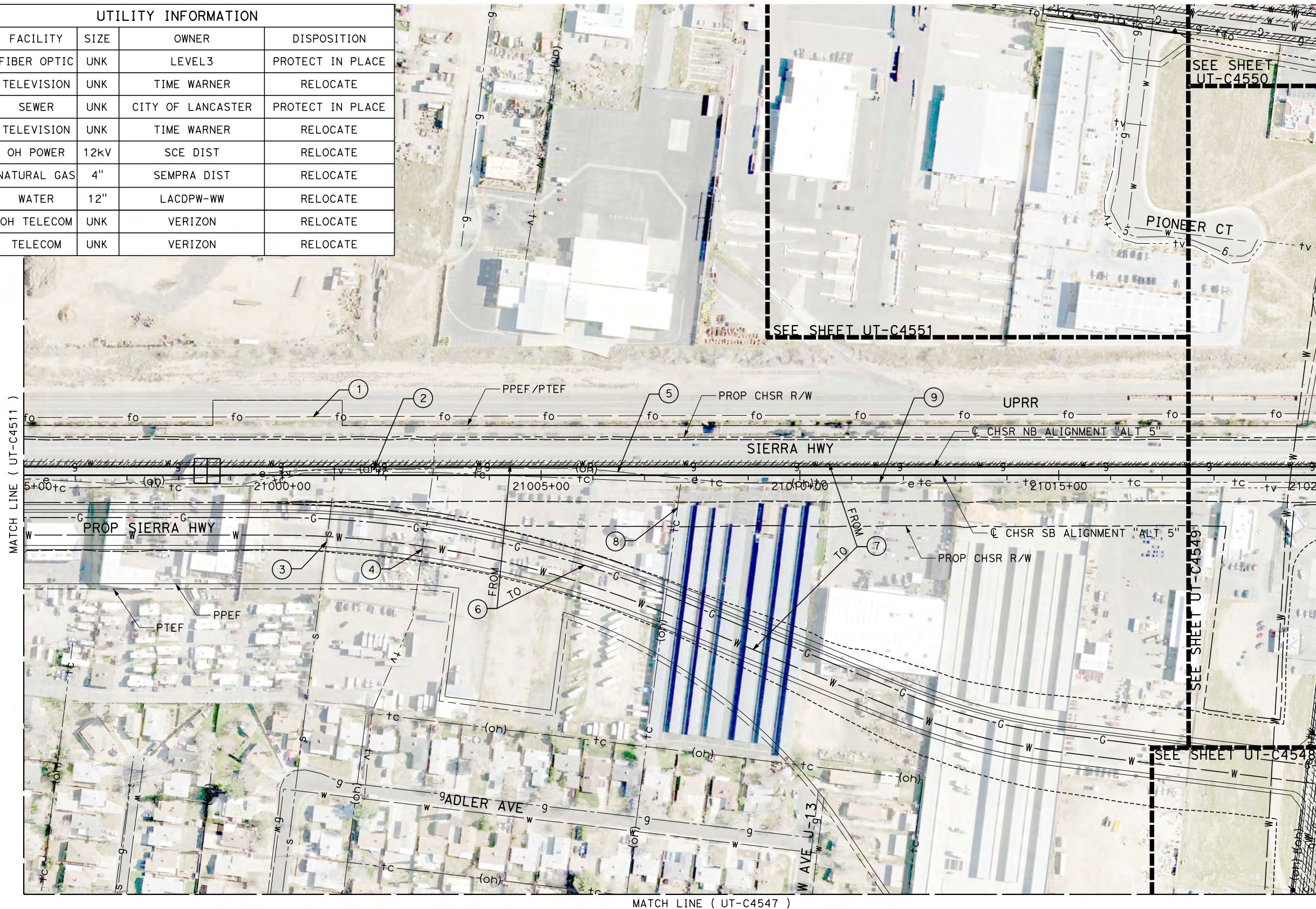
CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4511**  
SCALE  
**AS SHOWN**  
SHEET NO.



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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	LEVEL3	PROTECT IN PLACE
2	TELEVISION	UNK	TIME WARNER	RELOCATE
3	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
4	TELEVISION	UNK	TIME WARNER	RELOCATE
5	OH POWER	12KV	SCE DIST	RELOCATE
6	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
7	WATER	12"	LACDPW-WW	RELOCATE
8	OH TELECOM	UNK	VERIZON	RELOCATE
9	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  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20995+00 TO 21020+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4512**  
SCALE  
**AS SHOWN**  
SHEET NO.





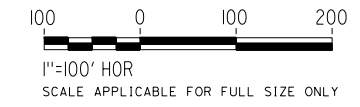
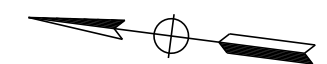


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OIC:Adodge 11/7/2017 4:01:11 PM



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	10"	LACDPW-WW	RELOCATE
2	WATER	10"	LACDPW-WW	RELOCATE
3	NATURAL GAS	2"	SEMPRA DIST	REMOVE
4	OH POWER	12kV	SCE DIST	RELOCATE
5	TELEVISION	UNK	TIME WARNER	REMOVE
6	OH POWER	12kV	SCE DIST	REMOVE
7	REC WATER	24"	CITY OF LANCASTER	RELOCATE
8	WATER	12"	LACDPW-WW	RELOCATE
9	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
10	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  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

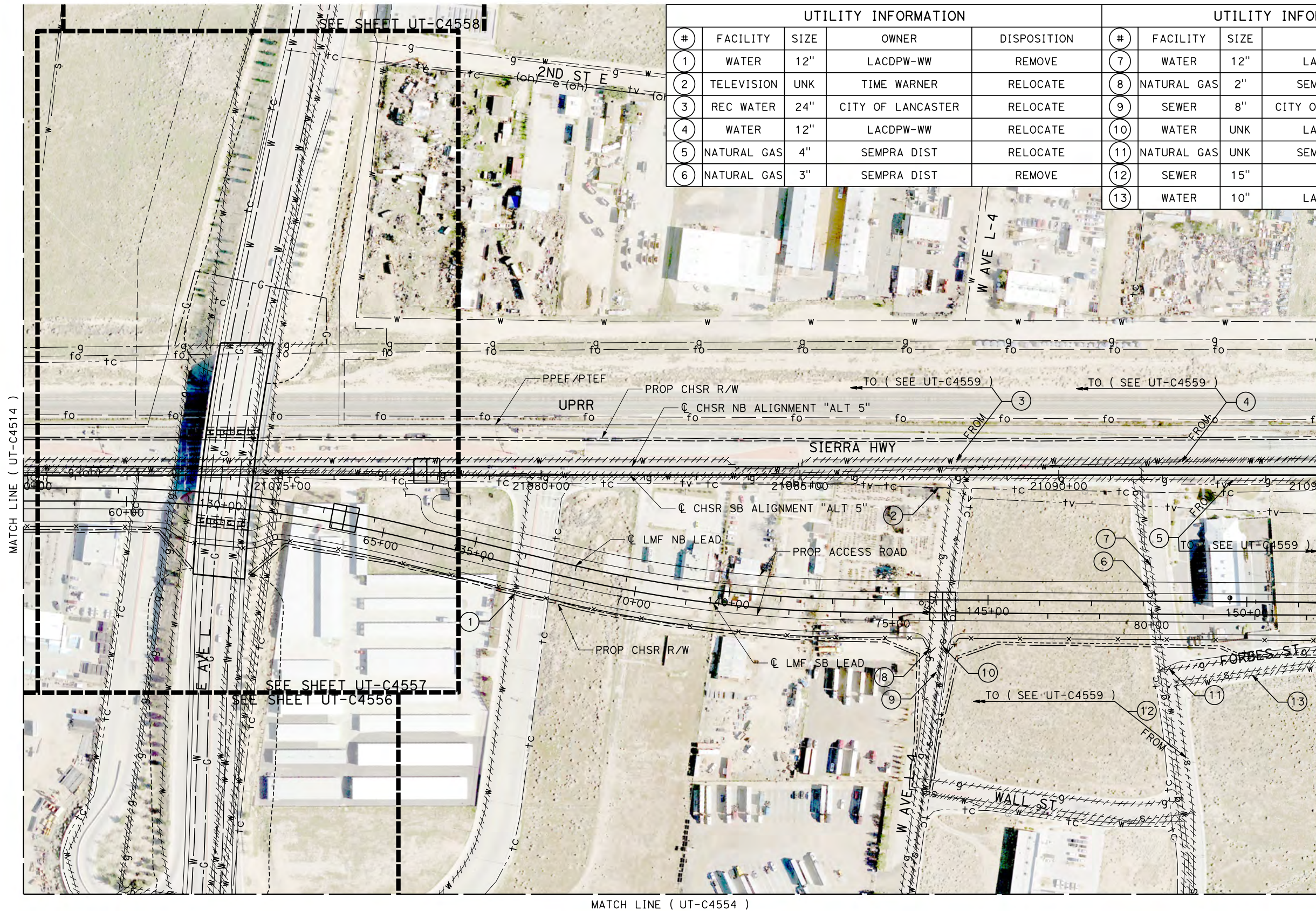
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21045+00 TO 21070+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4514**  
SCALE  
**AS SHOWN**  
SHEET NO.

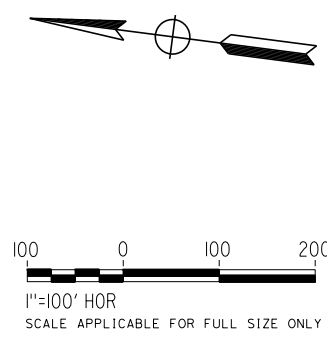


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OIC:ADodge 11/7/2017 4:02:10 PM



UTILITY INFORMATION					UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	LACDPW-WW	REMOVE	7	WATER	12"	LACDPW-WW	REMOVE
2	TELEVISION	UNK	TIME WARNER	RELOCATE	8	NATURAL GAS	2"	SEMPRA DIST	REMOVE
3	REC WATER	24"	CITY OF LANCASTER	RELOCATE	9	SEWER	8"	CITY OF LANCASTER	REMOVE
4	WATER	12"	LACDPW-WW	RELOCATE	10	WATER	UNK	LACDPW-WW	RELOCATE
5	NATURAL GAS	4"	SEMPRA DIST	RELOCATE	11	NATURAL GAS	UNK	SEMPRA DIST	REMOE
6	NATURAL GAS	3"	SEMPRA DIST	REMOVE	12	SEWER	15"	LACSD	RELOCATE
					13	WATER	10"	LACDPW-WW	REMOVE



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**



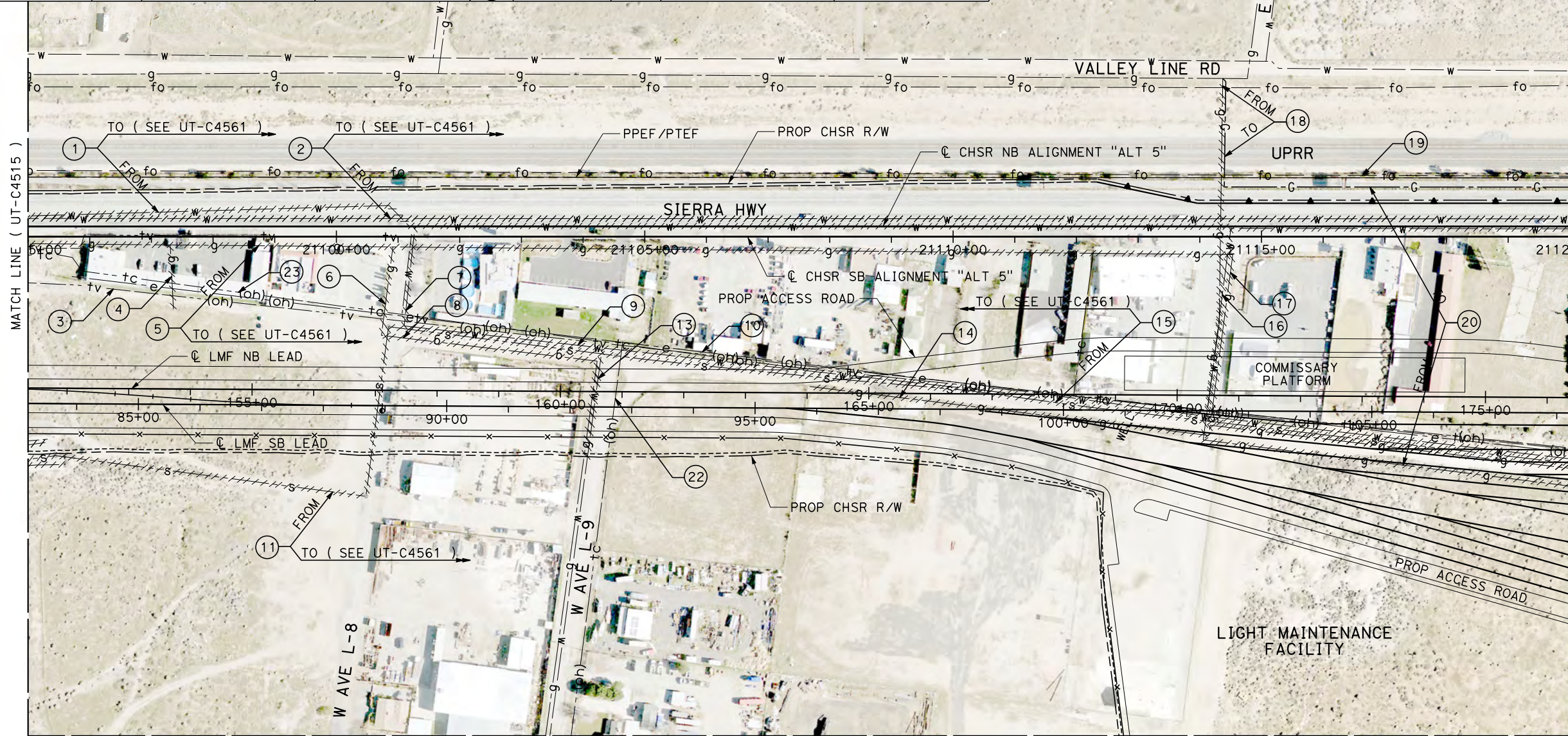
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21070+00 TO 21095+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4515**  
SCALE  
**AS SHOWN**  
SHEET NO.



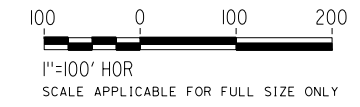
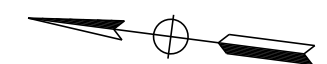
UTILITY INFORMATION					UTILITY INFORMATION CONT.					UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	LACDPW-WW	RELOCATE	11	SEWER	15"	LACSD	RELOCATE	21	NOT USED			
2	REC WATER	24"	CITY OF LANCASTER	RELOCATE	12	NOT USED				22	OH TELECOM	UNK	VERIZON	RELOCATE
3	TELEVISION	UNK	TIME WARNER	RELOCATE	13	WATER	8"	LACDPW-WW	REMOVE	23	TELECOM	UNK	VERIZON	RELOCATE
4	NATURAL GAS	UNK	SEMPRA DIST	REMOVE	14	NATURAL GAS	2"	SEMPRA DIST	REMOVE					
5	NATURAL GAS	4"	SEMPRA DIST	RELOCATE	15	SEWER	15"	LACSD	REMOVE					
6	NATURAL GAS	2"	SEMPRA DIST	REMOVE	16	WATER	10"	LACDPW-WW	REMOVE					
7	WATER	12"	LACDPW-WW	REMOVE	17	NATURAL GAS	4"	SEMPRA DIST	REMOVE					
8	NATURAL GAS	2"	SEMPRA DIST	REMOVE	18	NATURAL GAS	10"	SEMPRA DIST	RELOCATE					
9	WATER	12"	LACDPW-WW	REMOVE	19	FIBER OPTIC	UNK	LEVEL3	PROTECT IN PLACE					
10	OH POWER	12kV	SCE DIST	RELOCATE	20	NATURAL GAS	10"	SEMPRA DIST	RELOCATE					



MATCH LINE ( UT-C4515 )

MATCH LINE ( UT-C4517 )

MATCH LINE ( UT-C4561 )



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\15 (Lancaster A)\BP-UT-C4516.dgn 11/7/2017 4:01:56 PM OIC:Adodge

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**

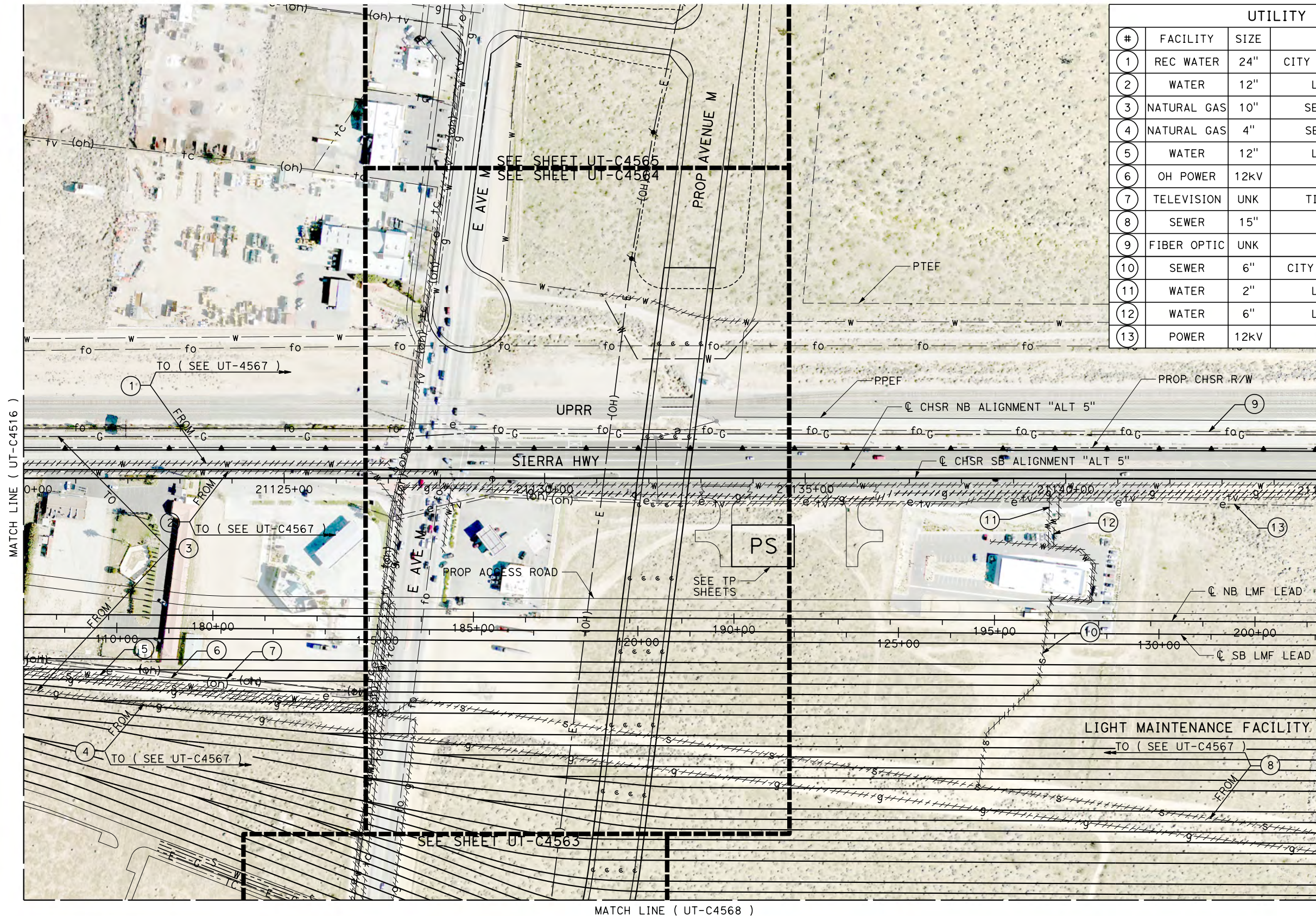
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21095+00 TO 21120+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4516**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\15 (Lancaster A)\BP-UT-C4517.dgn

OIC:ADodge 11/7/2017 4:02:13 PM

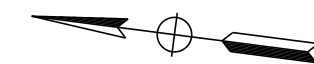


UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	REC WATER	24"	CITY OF LANCASTER	RELOCATE
2	WATER	12"	LACDPW-WW	RELOCATE
3	NATURAL GAS	10"	SEMPRA TRAN	RELOCATE
4	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
5	WATER	12"	LACDPW-WW	REMOVE
6	OH POWER	12kV	SCE DIST	RELOCATE
7	TELEVISION	UNK	TIME WARNER	RELOCATE
8	SEWER	15"	LACSD	RELOCATE
9	FIBER OPTIC	UNK	LEVEL3	PROTECT IN PLACE
10	SEWER	6"	CITY OF PALMDALE	REMOVE
11	WATER	2"	LACDPW-WW	REMOVE
12	WATER	6"	LACDPW-WW	REMOVE
13	POWER	12kV	SCE DIST	REMOVE

MATCH LINE ( UT-C4516 )

MATCH LINE ( UT-C4518 )

MATCH LINE ( UT-C4568 )



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

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**

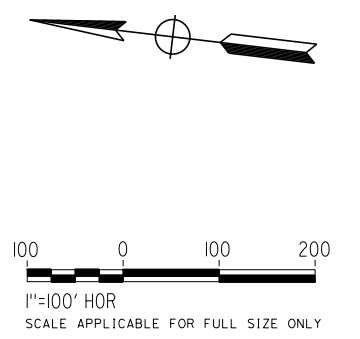
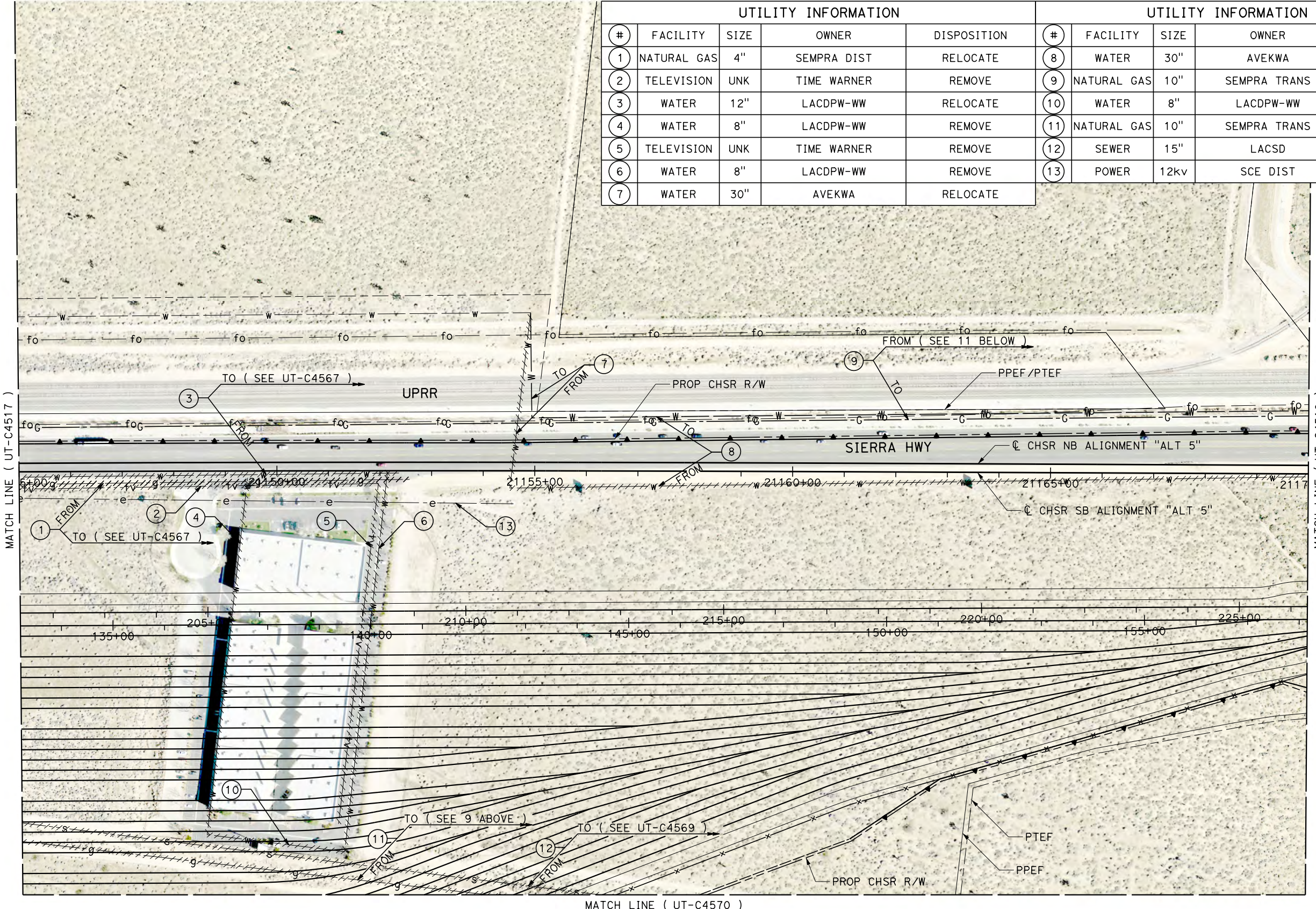
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21120+00 TO 21145+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4517**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster A)\BP-UT-C4518.dgn

UTILITY INFORMATION					UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	4"	SEMPRA DIST	RELOCATE	8	WATER	30"	AVEKWA	RELOCATE
2	TELEVISION	UNK	TIME WARNER	REMOVE	9	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE
3	WATER	12"	LACDPW-WW	RELOCATE	10	WATER	8"	LACDPW-WW	REMOVE
4	WATER	8"	LACDPW-WW	REMOVE	11	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE
5	TELEVISION	UNK	TIME WARNER	REMOVE	12	SEWER	15"	LACSD	RELOCATE
6	WATER	8"	LACDPW-WW	REMOVE	13	POWER	12kv	SCE DIST	REMOVE
7	WATER	30"	AVEKWA	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 5  
COMPOSITE UTILITY PLAN  
STA 21145+00 TO 21170+00

CONTRACT NO.  
**HSR13-44**

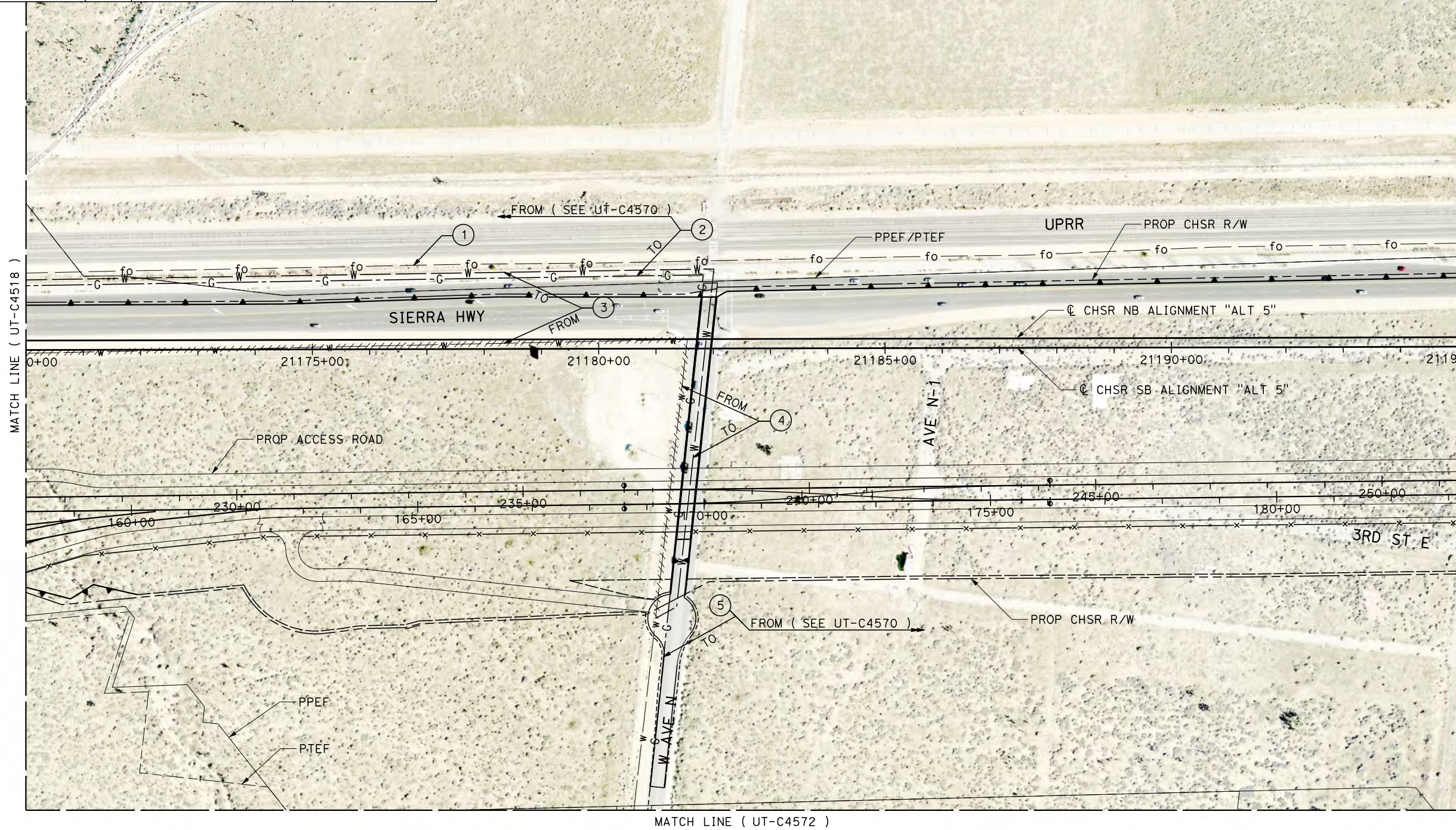
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**UT-C4518**

SCALE  
**AS SHOWN**

SHEET NO.



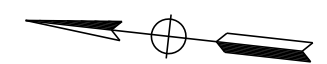
UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
2	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE
3	WATER	30"	AVEKWA	RELOCATE
4	WATER	30"	AVEKWA	RELOCATE
5	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE



MATCH LINE ( UT-C4518 )

MATCH LINE ( UT-C4520 )

MATCH LINE ( UT-C4572 )



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

Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster A)\BP-UT-C4519.dgn 11/7/2017 4:03:49 PM OIC:Adodge

REV	DATE	BY	CHK	APP	DESCRIPTION

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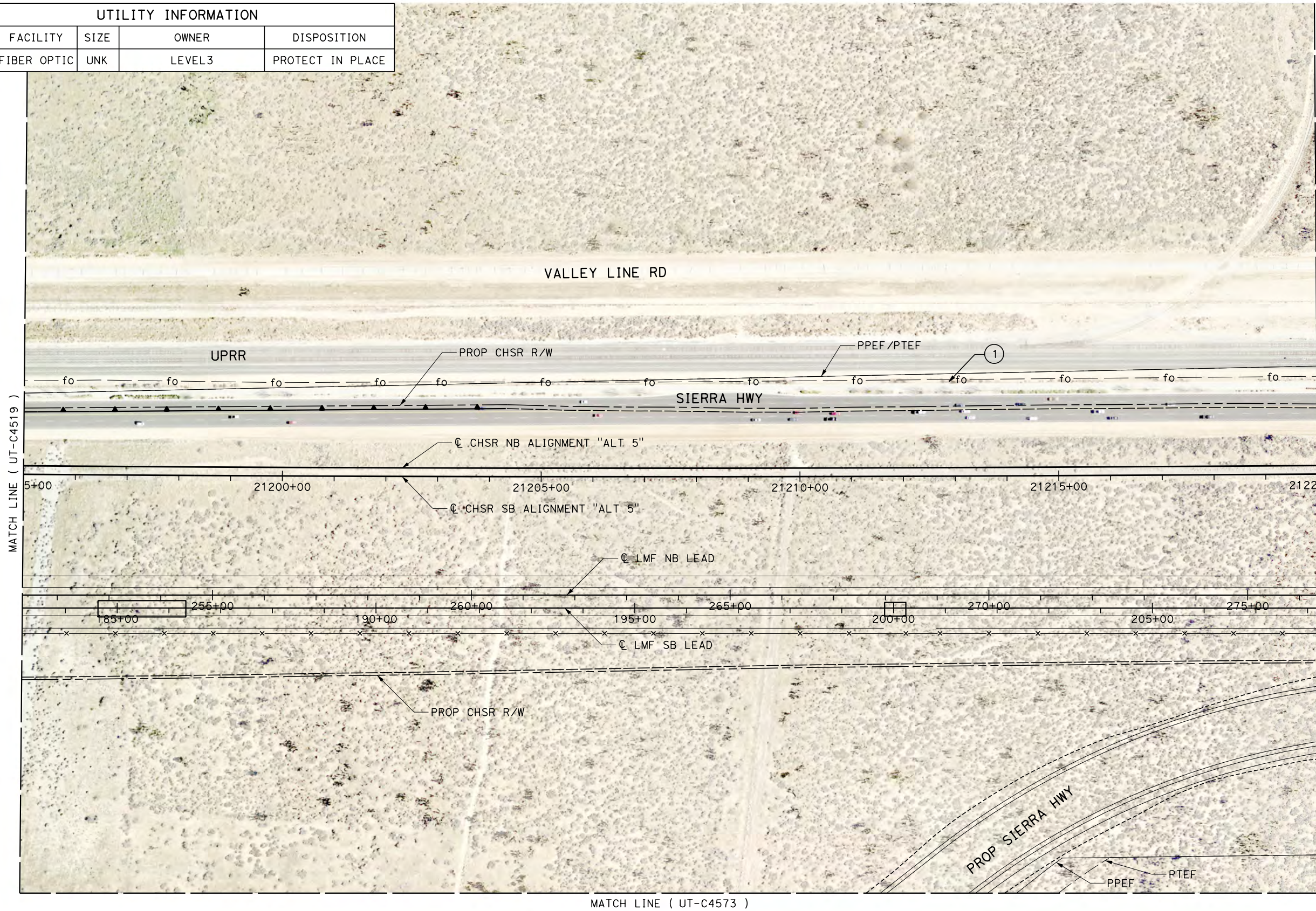
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
 COMPOSITE UTILITY PLAN  
 STA 21170+00 TO 21195+00

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4519**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



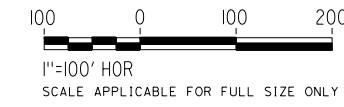
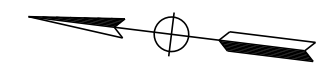
UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
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MATCH LINE ( UT-C4519 )

MATCH LINE ( UT-C4521 )

MATCH LINE ( UT-C4573 )



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\1\15 (Lancaster A)\BP-UT-C4520.dgn 11/7/2017 4:03:54 PM OIC:Adodge

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  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21195+00 TO 21220+00

CONTRACT NO.  
**HSR13-44**

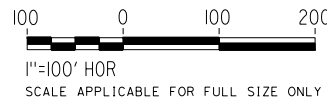
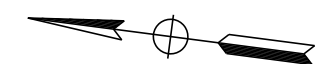
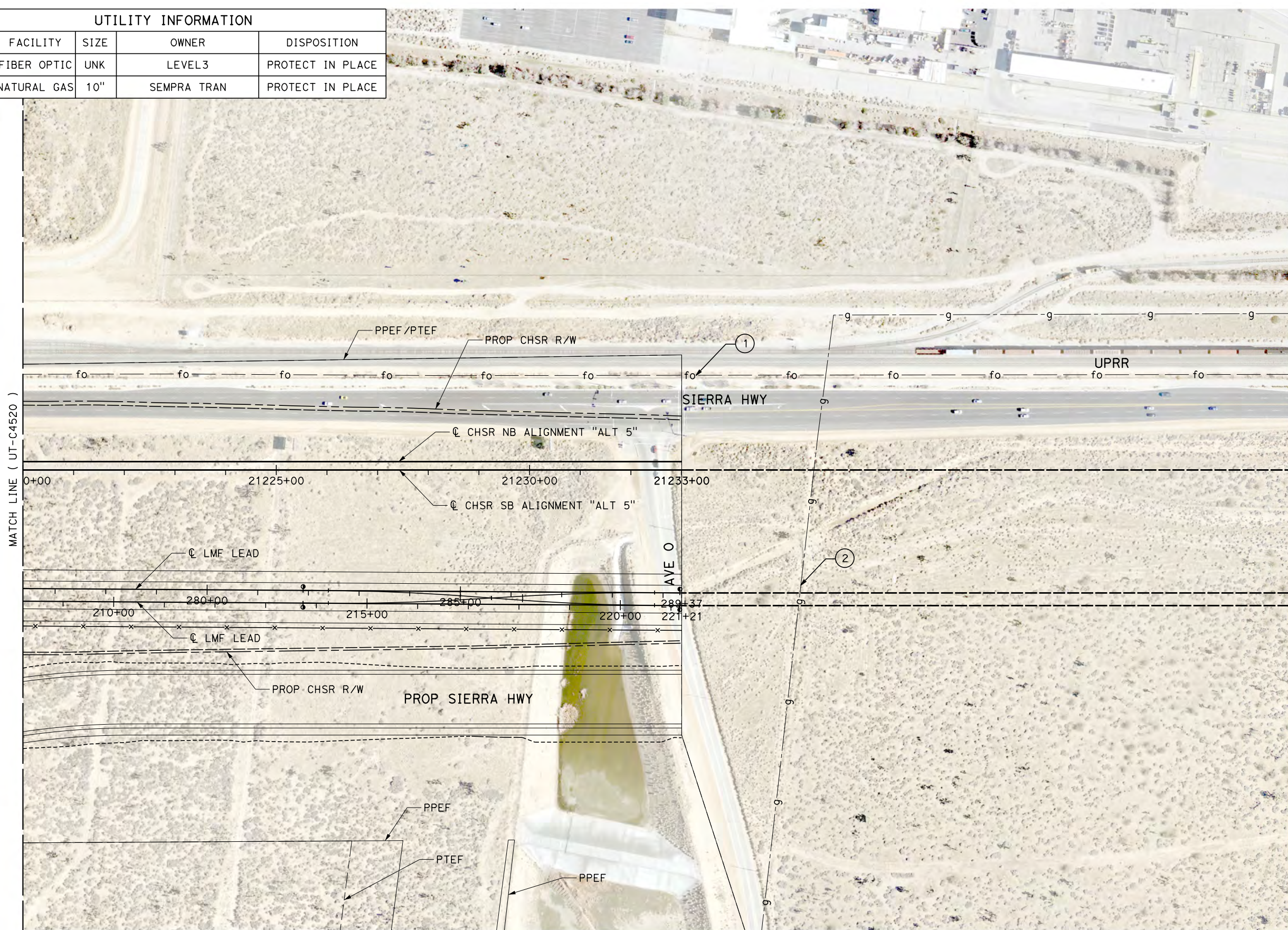
DRAWING NO.  
**UT-C4520**

SCALE  
**AS SHOWN**

SHEET NO.



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	LEVEL3	PROTECT IN PLACE
2	NATURAL GAS	10"	SEMPRA TRAN	PROTECT IN PLACE



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster A)\BP-UT-C4521.dgn  
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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  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21220+00 TO 21245+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4521**

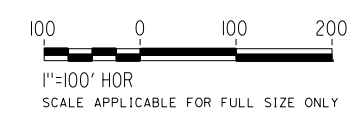
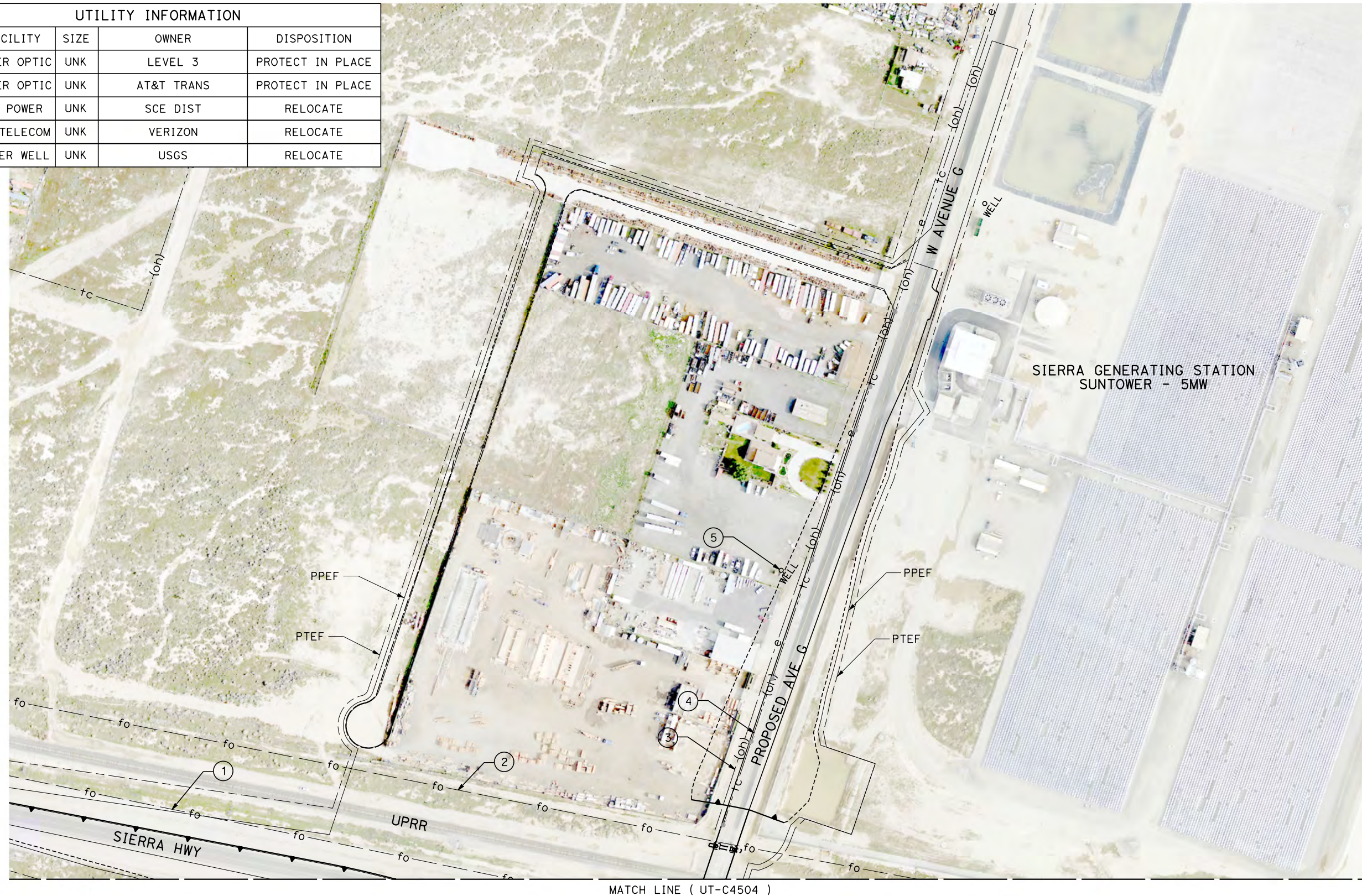
SCALE  
**AS SHOWN**

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	AT&T TRANS	PROTECT IN PLACE
3	OH POWER	UNK	SCE DIST	RELOCATE
4	OH TELECOM	UNK	VERIZON	RELOCATE
5	WATER WELL	UNK	USGS	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 5  
COMPOSITE UTILITY PLAN  
STA 20795+00 TO 20820+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4531**  
SCALE  
**AS SHOWN**  
SHEET NO.



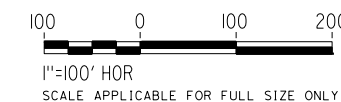
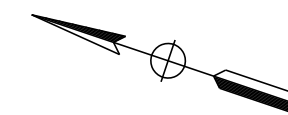
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OIC:ADodge 11/7/2017 4:02:06 PM

MATCH LINE ( UT-C4504 )



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
2	OH POWER	66KV	SCE DIST	PROTECT IN PLACE
3	OH TELECOM	UNK	VERIZON	PROTECT IN PLACE

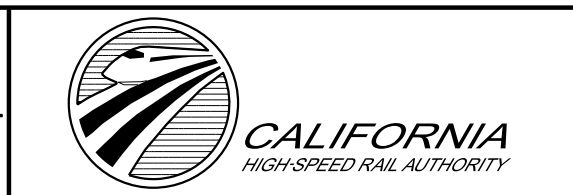


REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20795+00 TO 20820+00

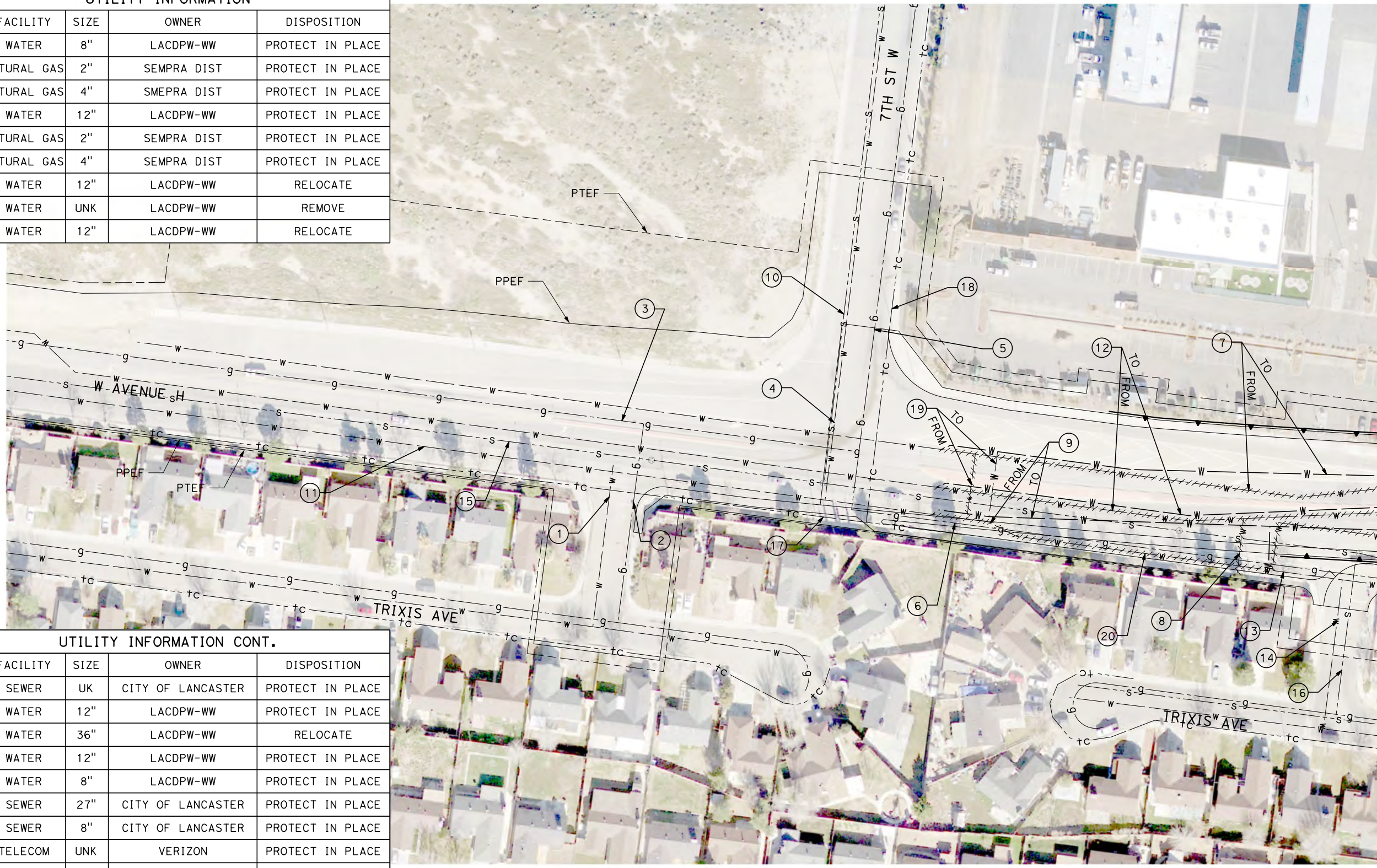
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**HSR13-44**  
DRAWING NO.  
**UT-C4532**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\15 (Lancaster A)\BP-UT-C4533.dgn

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	8"	LACDPW-WW	PROTECT IN PLACE
2	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
3	NATURAL GAS	4"	SMEPRA DIST	PROTECT IN PLACE
4	WATER	12"	LACDPW-WW	PROTECT IN PLACE
5	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
6	NATURAL GAS	4"	SEMPRA DIST	PROTECT IN PLACE
7	WATER	12"	LACDPW-WW	RELOCATE
8	WATER	UNK	LACDPW-WW	REMOVE
9	WATER	12"	LACDPW-WW	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
10	SEWER	UK	CITY OF LANCASTER	PROTECT IN PLACE
11	WATER	12"	LACDPW-WW	PROTECT IN PLACE
12	WATER	36"	LACDPW-WW	RELOCATE
13	WATER	12"	LACDPW-WW	PROTECT IN PLACE
14	WATER	8"	LACDPW-WW	PROTECT IN PLACE
15	SEWER	27"	CITY OF LANCASTER	PROTECT IN PLACE
16	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
17	TELECOM	UNK	VERIZON	PROTECT IN PLACE
18	TELECOM	UNK	VERIZON	PROTECT IN PLACE
19	WATER	12"	LACDPW-WW	RELOCATE
20	WATER	12"	LACDPW-WW	REMOVE



MATCH LINE ( UT-C4534 )

50 0 50 100  
1"=50' HOR  
SCALE APPLICABLE FOR FULL SIZE ONLY

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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PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20845+00 TO 20870+00

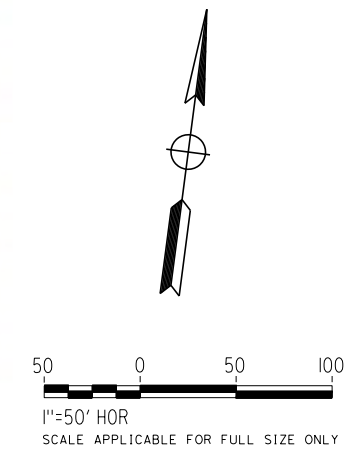
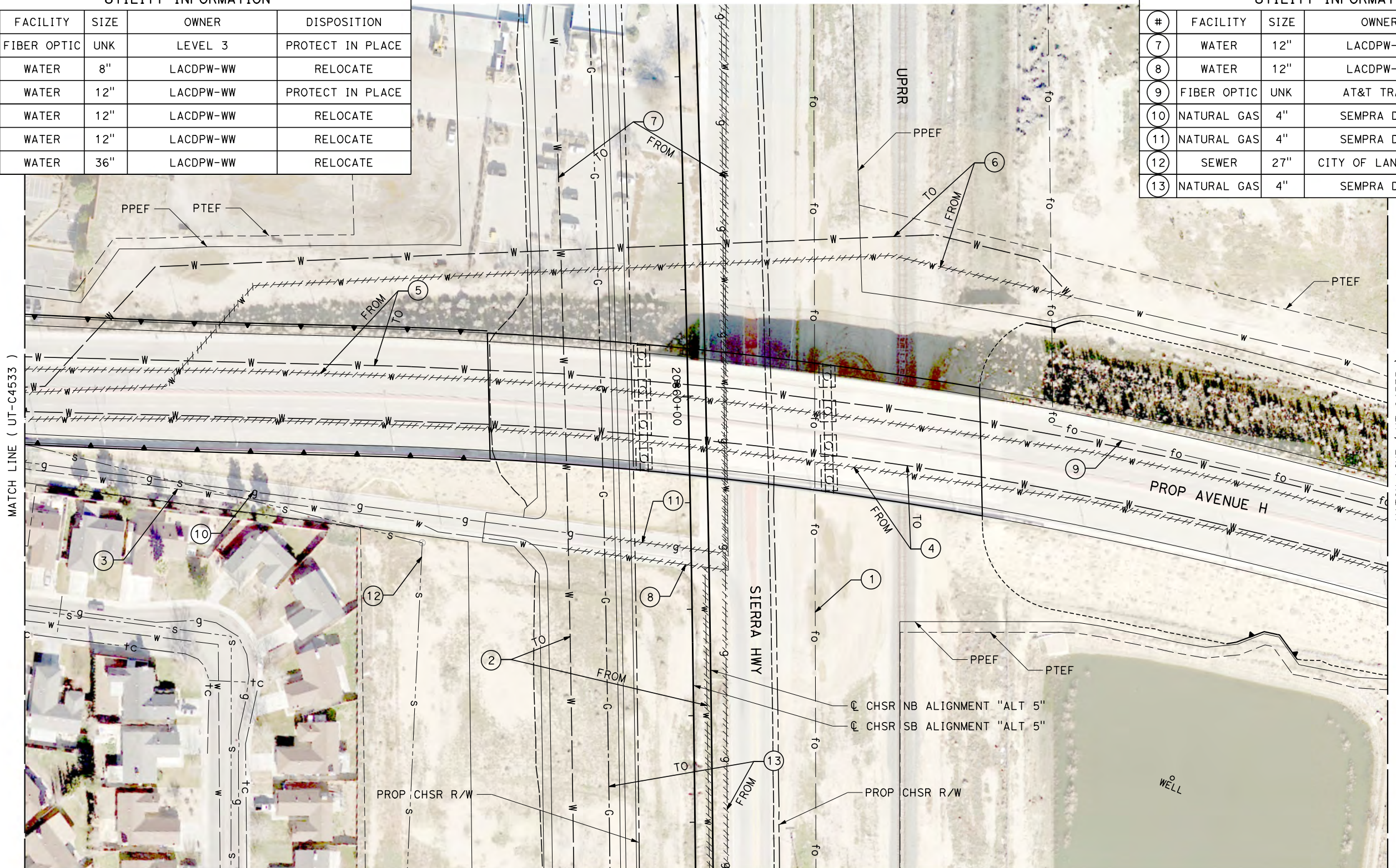
CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4533**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster A)\BP-UT-C4534.dgn 11/7/2017 3:58:04 PM OIC:Adodge

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
2	WATER	8"	LACDPW-WW	RELOCATE
3	WATER	12"	LACDPW-WW	PROTECT IN PLACE
4	WATER	12"	LACDPW-WW	RELOCATE
5	WATER	12"	LACDPW-WW	RELOCATE
6	WATER	36"	LACDPW-WW	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
7	WATER	12"	LACDPW-WW	RELOCATE
8	WATER	12"	LACDPW-WW	REMOVE
9	FIBER OPTIC	UNK	AT&T TRANS	RELOCATE
10	NATURAL GAS	4"	SEMPRA DIST	PROTECT IN PLACE
11	NATURAL GAS	4"	SEMPRA DIST	REMOVE
12	SEWER	27"	CITY OF LANCASTER	PROTECT IN PLACE
13	NATURAL GAS	4"	SEMPRA DIST	RELOCATE

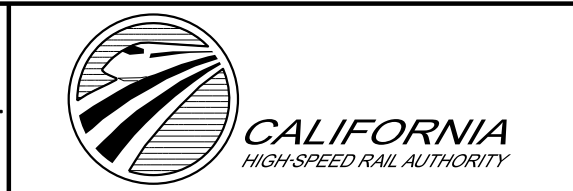


REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20845+00 TO 20870+00

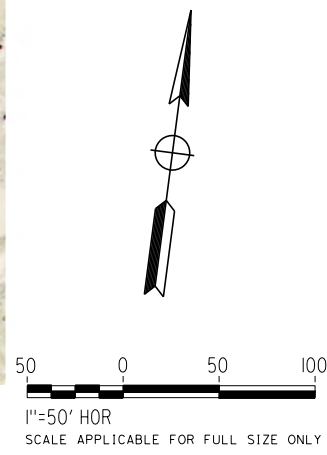
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DRAWING NO.  
**UT-C4534**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\T01206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A\15 (Lancaster A)\BP-UT-C4535.dgn

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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	LACDPW-WW	PROTECT IN PLACE
2	WATER	36"	LACDPW-WW	PROTECT IN PLACE
3	WATER	12"	LACDPW-WW	PROTECT IN PLACE
4	FIBER OPTIC	UNK	AT&T TRANS	PROTECT IN PLACE
5	WATER	12"	LACDPW-WW	RELOCATE
6	WATER	12"	LACDPW-WW	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**

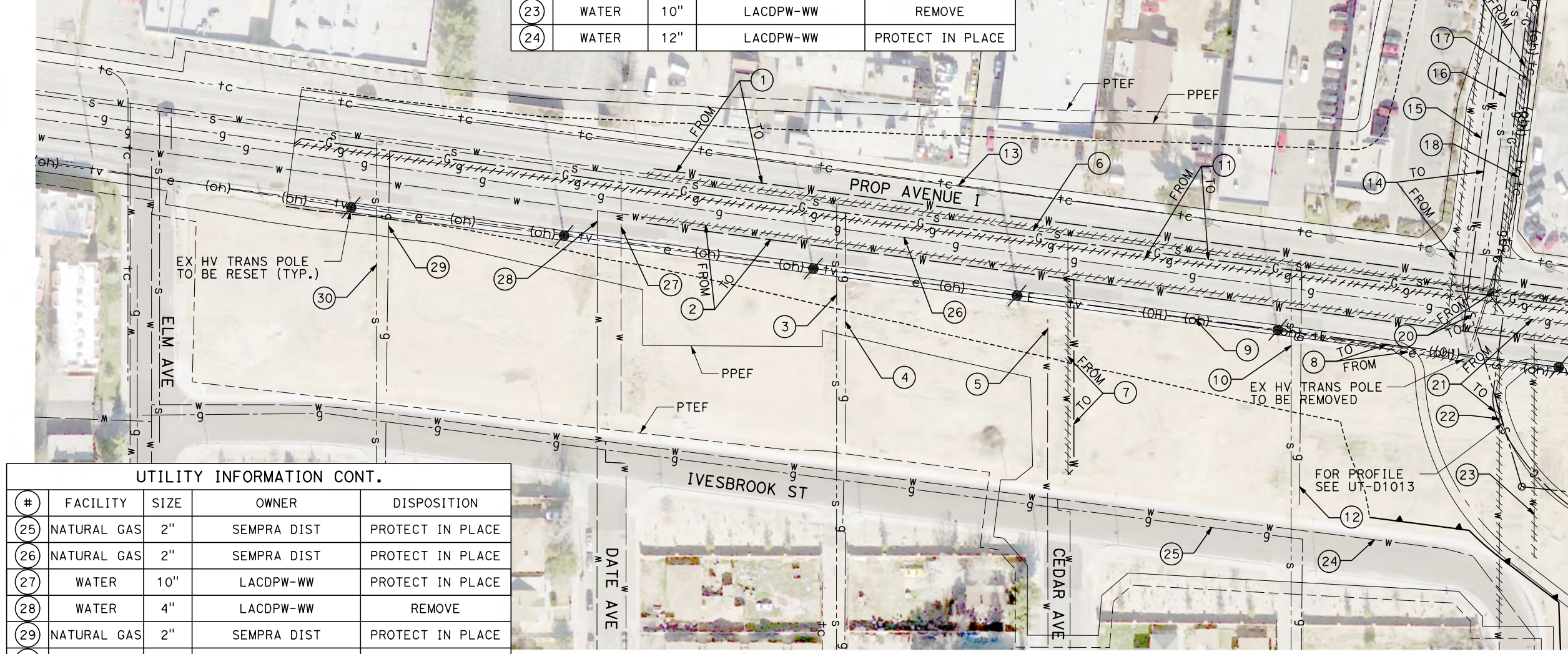
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20845+00 TO 20870+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4535**  
SCALE  
**AS SHOWN**  
SHEET NO.



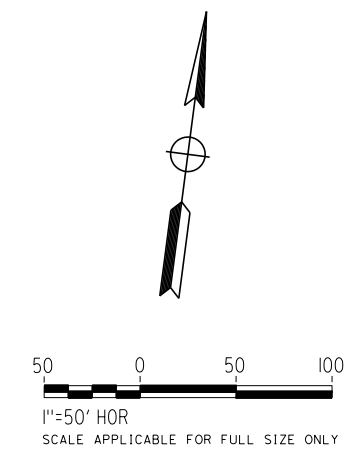
Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\1\15 (Lancaster A)\BP-UT-C4536.dgn 11/7/2017 3:58:06 PM OIC:Adodge

UTILITY INFORMATION					UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION	#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	6"	LACDPW-WW	RELOCATE	12	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
2	WATER	8"	LACDPW-WW	RELOCATE	13	TELECOM	UNK	VERIZON	RELOCATE
3	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE	14	WATER	10"	LACDPW-WW	RELOCATE
4	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE	15	SEWER	15"	LACSD	PROTECT IN PLACE
5	WATER	4"	LACDPW-WW	REMOVE	16	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
6	SEWER	15"	LACSD	PROTECT IN PLACE	17	OH POWER	UNK	SCE	PROTECT IN PLACE
7	WATER	UNK	LACDPW-WW	RELOCATE	18	TELEVISION	UNK	TIME WARNER	RELOCATE
8	OH POWER	69kV	SCE TRANS	RELOCATE	19	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
9	TELEVISION	UNK	TIME WARNER	RELOCATE	20	SEWER	15"	LACSD	RELOCATE
10	SEWER	UNK	LACSD	PROTECT IN PLACE	21	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
11	NATURAL GAS	6"	SEMPRA TRANS	RELOCATE	22	WATER	4"	LACDPW-WW	REMOVE
					23	WATER	10"	LACDPW-WW	REMOVE
					24	WATER	12"	LACDPW-WW	PROTECT IN PLACE



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
25	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
26	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
27	WATER	10"	LACDPW-WW	PROTECT IN PLACE
28	WATER	4"	LACDPW-WW	REMOVE
29	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
30	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE

MATCH LINE ( UT-C4537 )



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 5  
COMPOSITE UTILITY PLAN  
STA 20895+00 TO 20920+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4536**

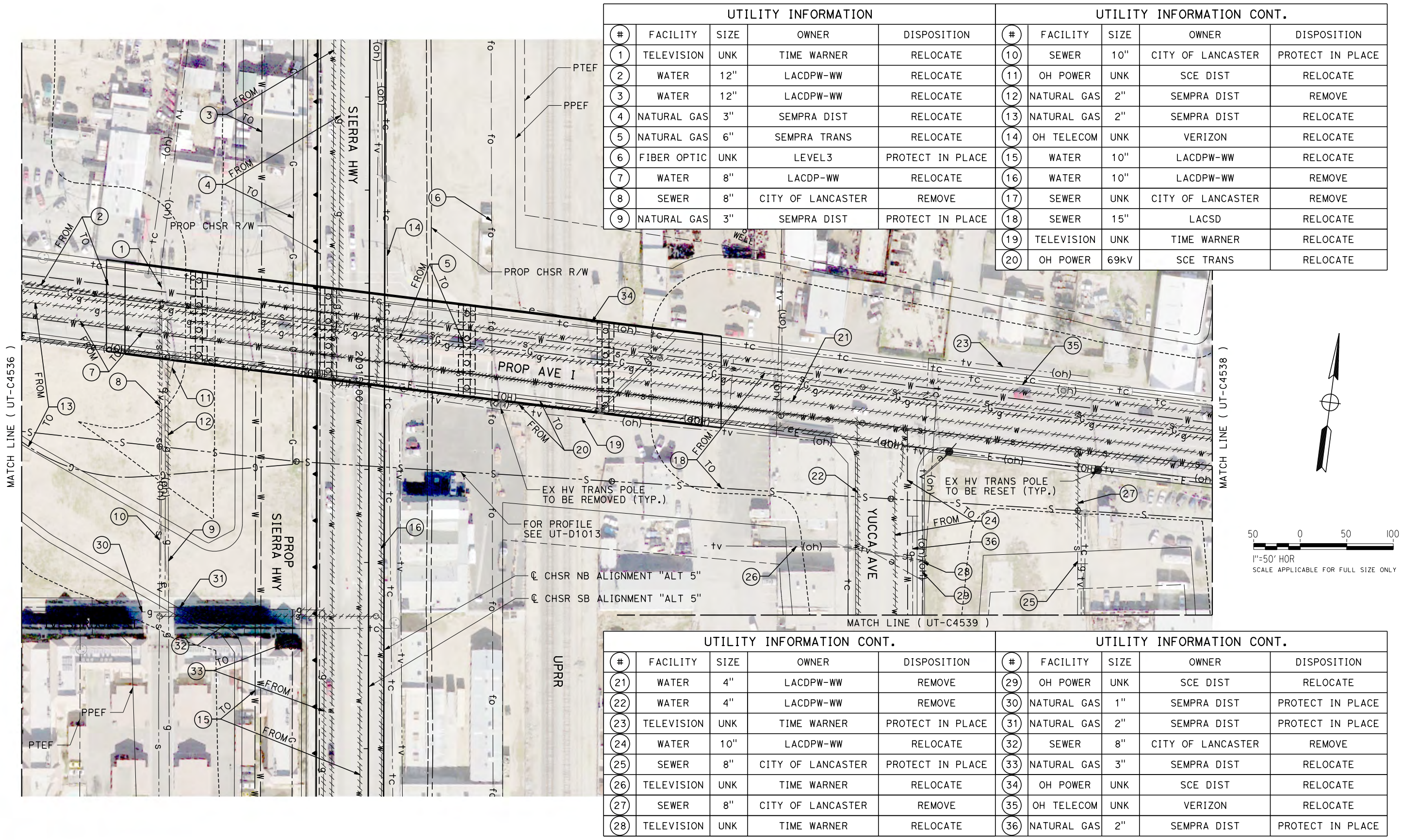
SCALE  
**AS SHOWN**

SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster) A\BP-UT-C4537.dgn

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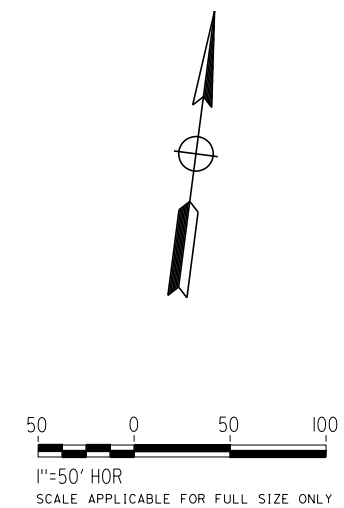


UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	TELEVISION	UNK	TIME WARNER	RELOCATE
2	WATER	12"	LACDPW-WW	RELOCATE
3	WATER	12"	LACDPW-WW	RELOCATE
4	NATURAL GAS	3"	SEMPRA DIST	RELOCATE
5	NATURAL GAS	6"	SEMPRA TRANS	RELOCATE
6	FIBER OPTIC	UNK	LEVEL3	PROTECT IN PLACE
7	WATER	8"	LACDP-WW	RELOCATE
8	SEWER	8"	CITY OF LANCASTER	REMOVE
9	NATURAL GAS	3"	SEMPRA DIST	PROTECT IN PLACE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
10	SEWER	10"	CITY OF LANCASTER	PROTECT IN PLACE
11	OH POWER	UNK	SCE DIST	RELOCATE
12	NATURAL GAS	2"	SEMPRA DIST	REMOVE
13	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
14	OH TELECOM	UNK	VERIZON	RELOCATE
15	WATER	10"	LACDPW-WW	RELOCATE
16	WATER	10"	LACDPW-WW	REMOVE
17	SEWER	UNK	CITY OF LANCASTER	REMOVE
18	SEWER	15"	LACSD	RELOCATE
19	TELEVISION	UNK	TIME WARNER	RELOCATE
20	OH POWER	69kV	SCE TRANS	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
21	WATER	4"	LACDPW-WW	REMOVE
22	WATER	4"	LACDPW-WW	REMOVE
23	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
24	WATER	10"	LACDPW-WW	RELOCATE
25	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
26	TELEVISION	UNK	TIME WARNER	RELOCATE
27	SEWER	8"	CITY OF LANCASTER	REMOVE
28	TELEVISION	UNK	TIME WARNER	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
29	OH POWER	UNK	SCE DIST	RELOCATE
30	NATURAL GAS	1"	SEMPRA DIST	PROTECT IN PLACE
31	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
32	SEWER	8"	CITY OF LANCASTER	REMOVE
33	NATURAL GAS	3"	SEMPRA DIST	RELOCATE
34	OH POWER	UNK	SCE DIST	RELOCATE
35	OH TELECOM	UNK	VERIZON	RELOCATE
36	NATURAL GAS	2"	SEMPRA DIST	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**

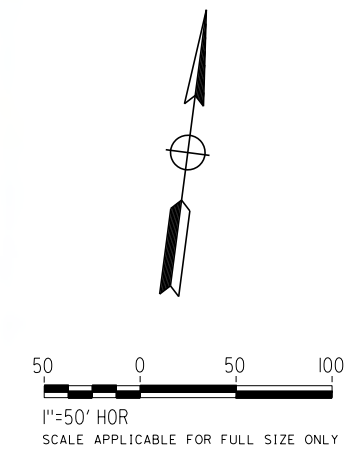
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20895+00 TO 20920+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4537**  
SCALE  
**AS SHOWN**  
SHEET NO.





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	OH TELECOM	UNK	VERIZON	RELOCATE
5	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
6	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
7	SEWER	15"	LACSD	RELOCATE
8	SEWER	8"	CITY OF LANCASTER	REMOVE
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	OH TELECOM	UNK	VERIZON	RELOCATE
18	WATER	4"	LACDPW-WW	REMOVE
19	WATER	8"	LACDPW-WW	RELOCATE
20	TELECOM	UNK	VERIZON	RELOCATE
21	WATER	4"	LACDPW-WW	REMOVE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. CONYERS**

DRAWN BY  
**H. TU**

CHECKED BY  
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IN CHARGE  
**S. SMITH**

DATE  
**10/31/2017**

**RECORD  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20895+00 TO 20920+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4538**

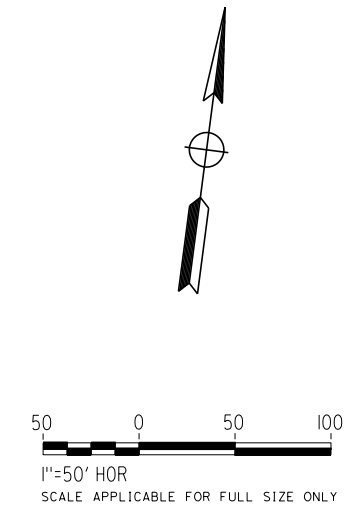
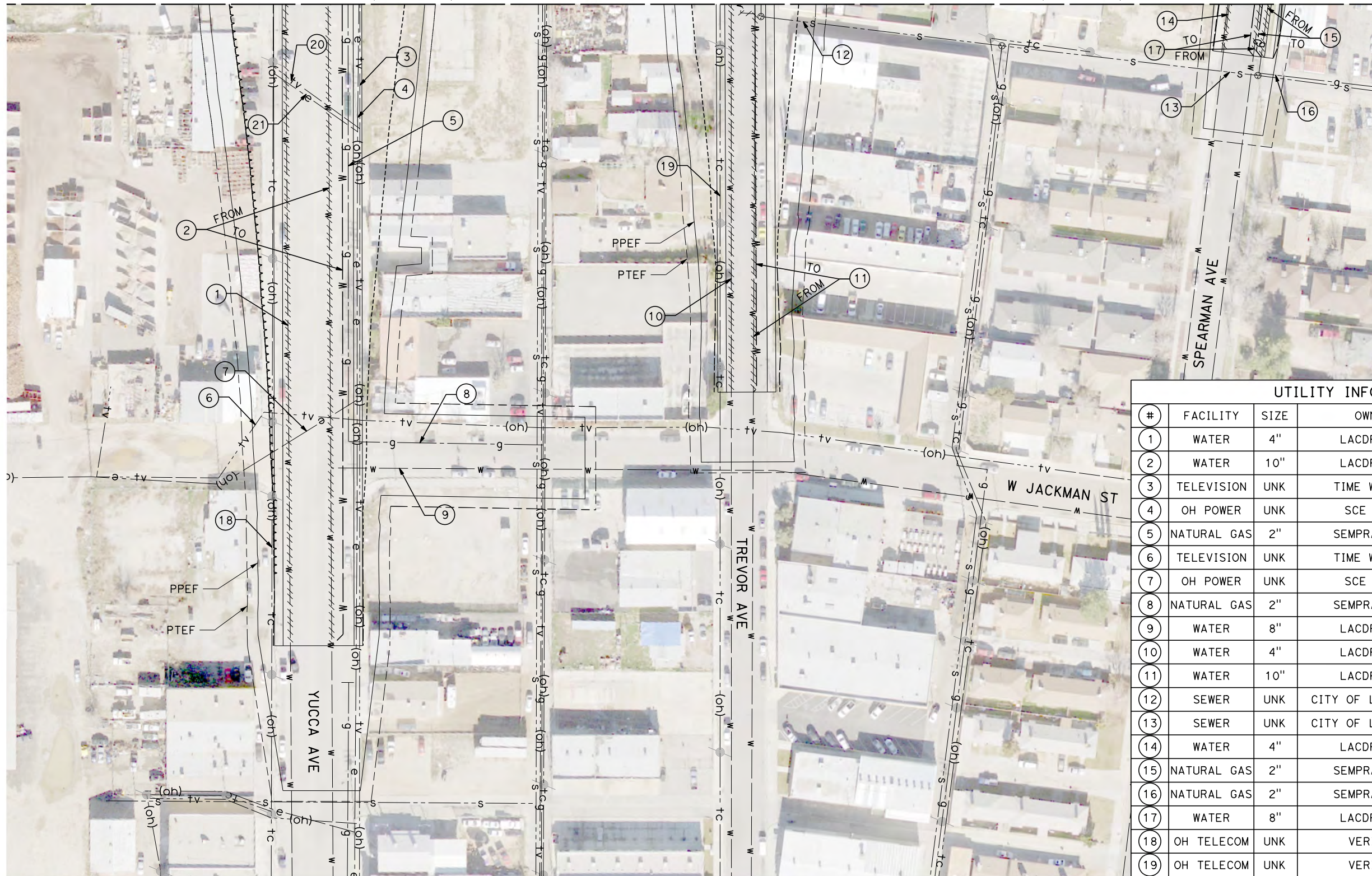
SCALE  
**AS SHOWN**

SHEET NO.



MATCH LINE ( UT-C4537 )

MATCH LINE ( UT-C4538 )



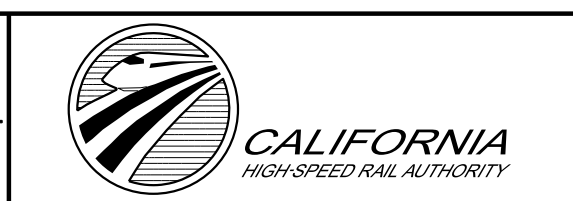
UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	4"	LACDPW-WW	REMOVE
2	WATER	10"	LACDPW-WW	RELOCATE
3	TELEVISION	UNK	TIME WARNER	RELOCATE
4	OH POWER	UNK	SCE DIST	RELOCATE
5	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
6	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
7	OH POWER	UNK	SCE DIST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

**NOT FOR  
CONSTRUCTION**



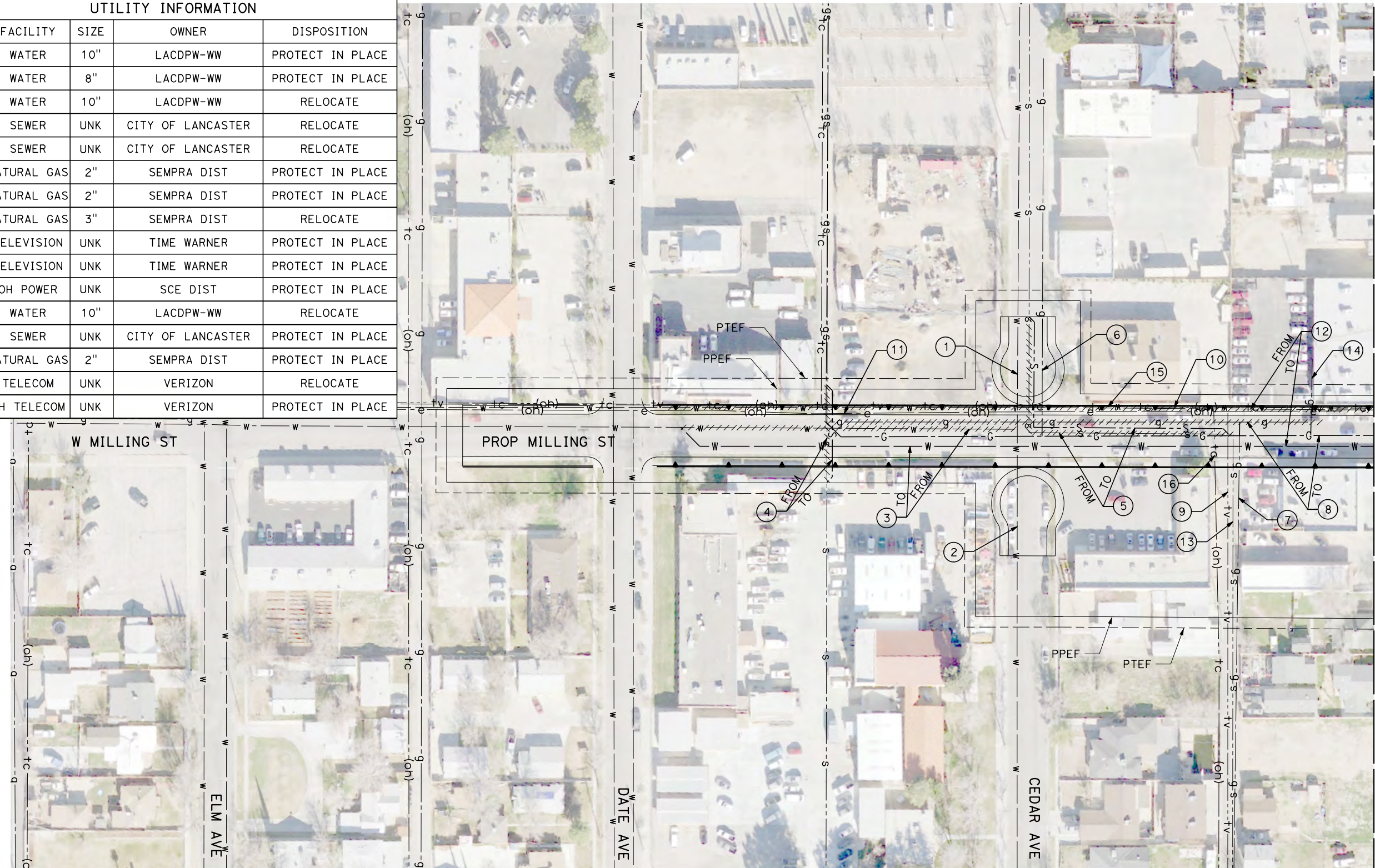
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20895+00 TO 20920+00

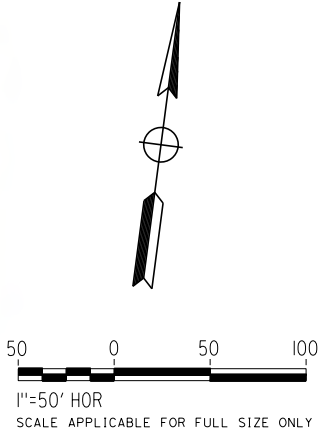
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**HSR13-44**  
DRAWING NO.  
**UT-C4539**  
SCALE  
**AS SHOWN**  
SHEET NO.



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	PROTECT IN PLACE
8	NATURAL GAS	3"	SEMPRA DIST	RELOCATE
9	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
10	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
11	OH POWER	UNK	SCE DIST	PROTECT IN PLACE
12	WATER	10"	LACDPW-WW	RELOCATE
13	SEWER	UNK	CITY OF LANCASTER	PROTECT IN PLACE
14	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
15	TELECOM	UNK	VERIZON	RELOCATE
16	OH TELECOM	UNK	VERIZON	PROTECT IN PLACE



MATCH LINE ( UT-C4541 )



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**

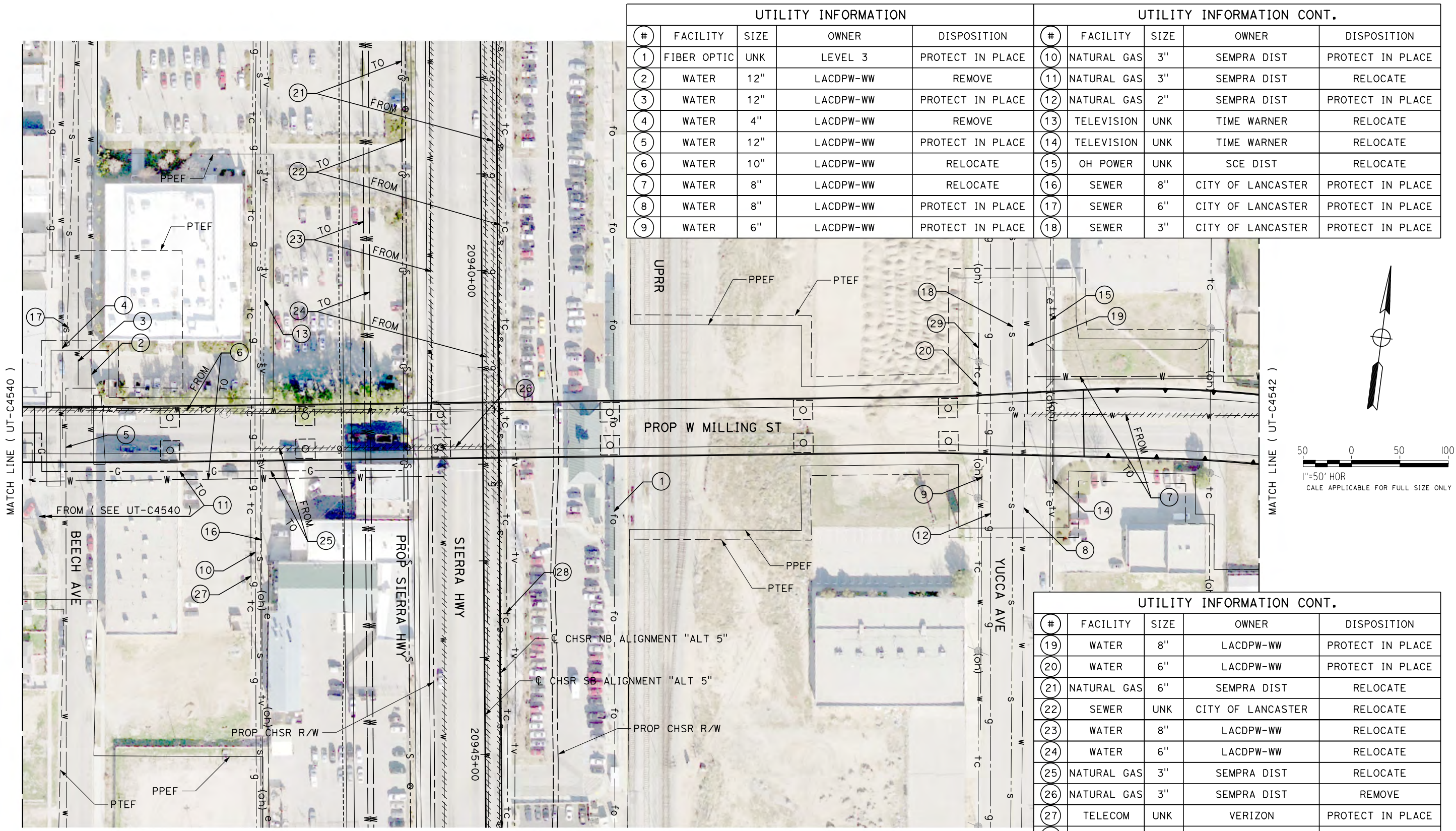


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20920+00 TO 20945+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4540**  
SCALE  
**AS SHOWN**  
SHEET NO.

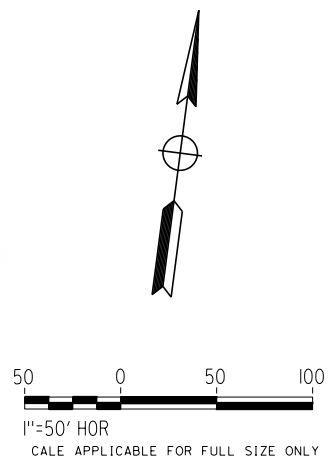




UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIBER OPTIC	UNK	LEVEL 3	PROTECT IN PLACE
2	WATER	12"	LACDPW-WW	REMOVE
3	WATER	12"	LACDPW-WW	PROTECT IN PLACE
4	WATER	4"	LACDPW-WW	REMOVE
5	WATER	12"	LACDPW-WW	PROTECT IN PLACE
6	WATER	10"	LACDPW-WW	RELOCATE
7	WATER	8"	LACDPW-WW	RELOCATE
8	WATER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

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
10	NATURAL GAS	3"	SEMPRA DIST	PROTECT IN PLACE
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
16	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
17	SEWER	6"	CITY OF LANCASTER	PROTECT IN PLACE
18	SEWER	3"	CITY OF LANCASTER	PROTECT IN PLACE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
19	WATER	8"	LACDPW-WW	PROTECT IN PLACE
20	WATER	6"	LACDPW-WW	PROTECT IN PLACE
21	NATURAL GAS	6"	SEMPRA DIST	RELOCATE
22	SEWER	UNK	CITY OF LANCASTER	RELOCATE
23	WATER	8"	LACDPW-WW	RELOCATE
24	WATER	6"	LACDPW-WW	RELOCATE
25	NATURAL GAS	3"	SEMPRA DIST	RELOCATE
26	NATURAL GAS	3"	SEMPRA DIST	REMOVE
27	TELECOM	UNK	VERIZON	PROTECT IN PLACE
28	TELECOM	UNK	VERIZON	PROTECT IN PLACE
29	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  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

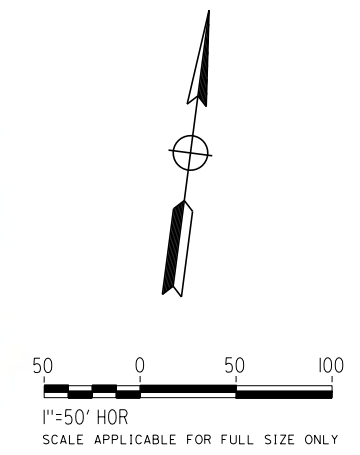
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20920+00 TO 20945+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4541**  
SCALE  
**AS SHOWN**  
SHEET NO.





UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
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	WATER	8"	LACDPW-WW	RELOCATE
13	OH TELECOM	UNK	VERIZON	RELOCATE
14	TELECOM	UNK	VERIZON	PROTECT IN PLACE
15	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**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20920+00 TO 20945+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4542**  
SCALE  
**AS SHOWN**  
SHEET NO.

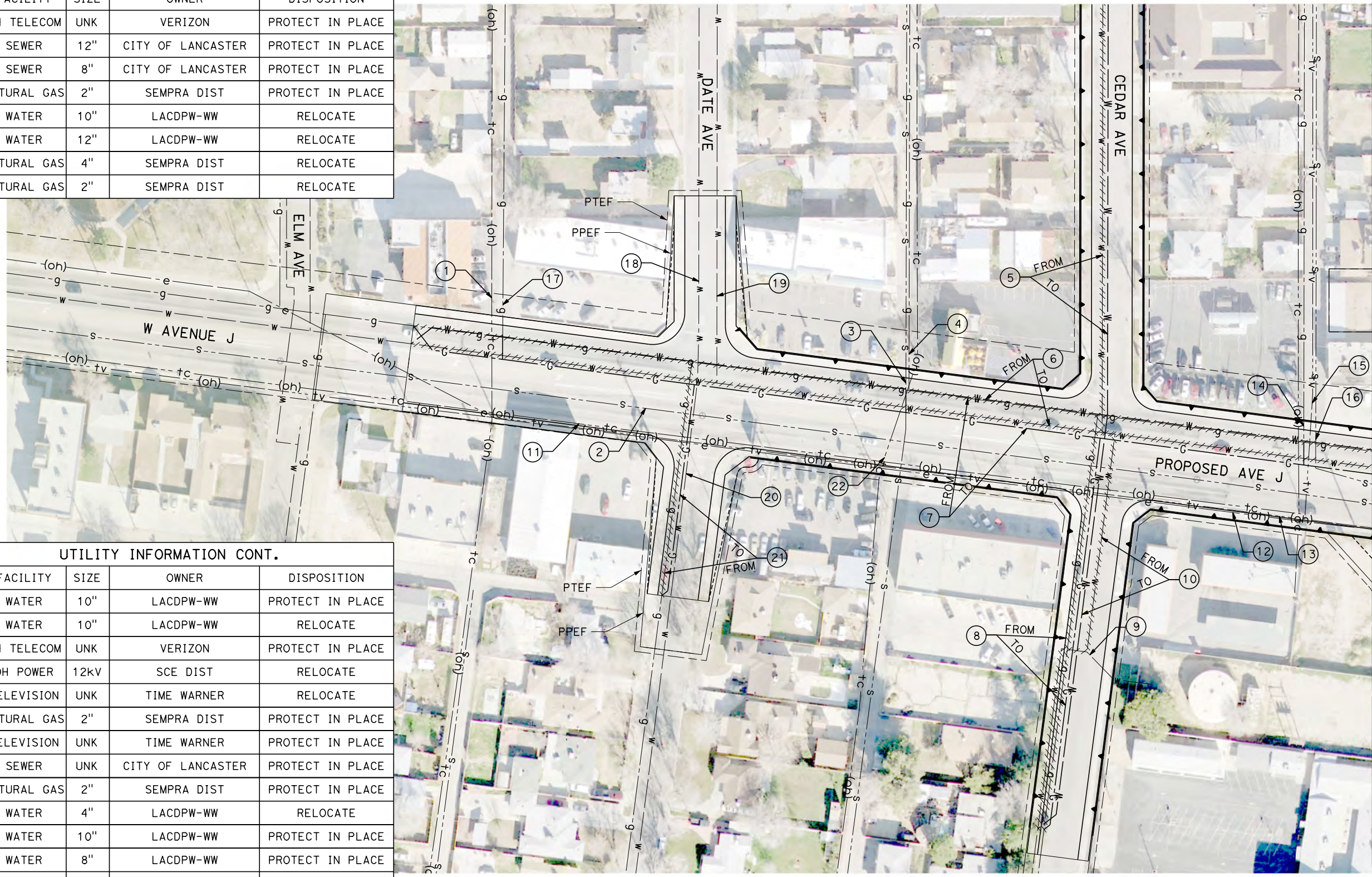


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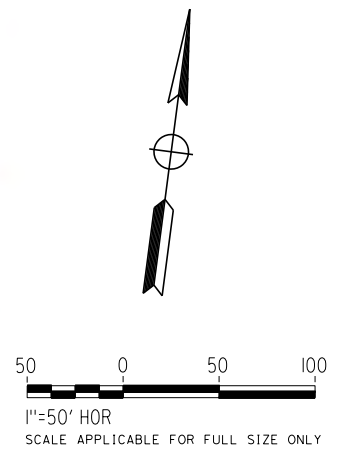
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH TELECOM	UNK	VERIZON	PROTECT IN PLACE
2	SEWER	12"	CITY OF LANCASTER	PROTECT IN PLACE
3	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
4	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
5	WATER	10"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



MATCH LINE ( UT-C4544 )



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 5  
COMPOSITE UTILITY PLAN  
STA 20945+00 TO 20970+00

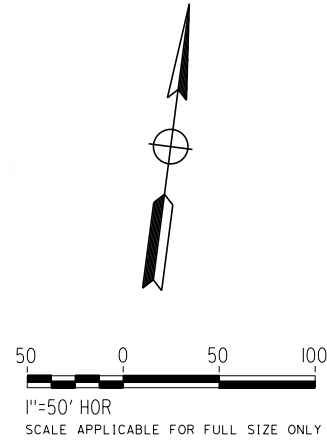
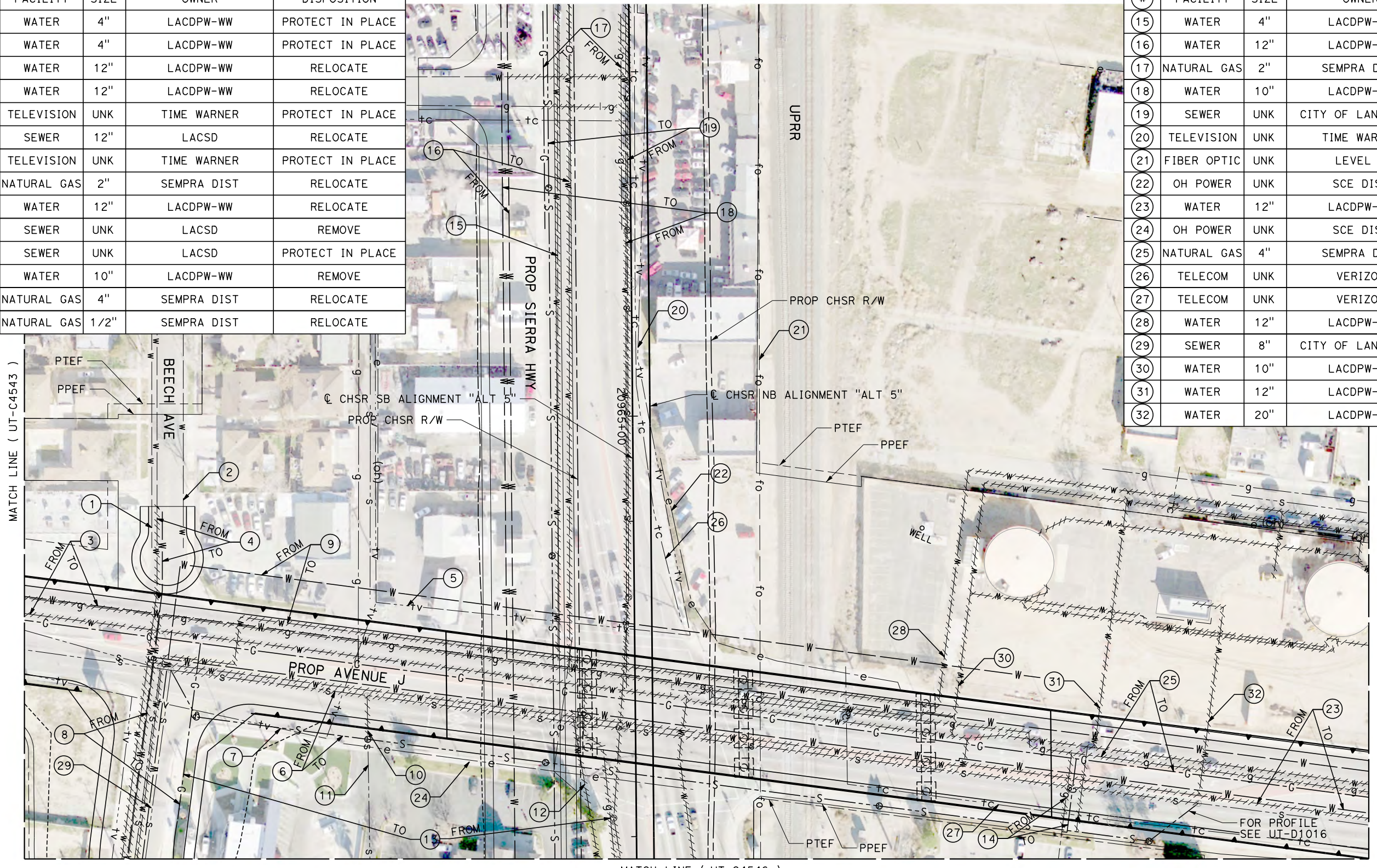
CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4543**  
SCALE  
**AS SHOWN**  
SHEET NO.



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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	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
6	SEWER	12"	LACSD	RELOCATE
7	TELEVISION	UNK	TIME WARNER	PROTECT IN PLACE
8	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
9	WATER	12"	LACDPW-WW	RELOCATE
10	SEWER	UNK	LACSD	REMOVE
11	SEWER	UNK	LACSD	PROTECT IN PLACE
12	WATER	10"	LACDPW-WW	REMOVE
13	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
14	NATURAL GAS	1/2"	SEMPRA DIST	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
15	WATER	4"	LACDPW-WW	REMOVE
16	WATER	12"	LACDPW-WW	RELOCATE
17	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
18	WATER	10"	LACDPW-WW	RELOCATE
19	SEWER	UNK	CITY OF LANCASTER	RELOCATE
20	TELEVISION	UNK	TIME WARNER	RELOCATE
21	FIBER OPTIC	UNK	LEVEL 3	RELOCATE
22	OH POWER	UNK	SCE DIST	RELOCATE
23	WATER	12"	LACDPW-WW	RELOCATE
24	OH POWER	UNK	SCE DIST	RELOCATE
25	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
26	TELECOM	UNK	VERIZON	RELOCATE
27	TELECOM	UNK	VERIZON	RELOCATE
28	WATER	12"	LACDPW-WW	RELOCATE
29	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
30	WATER	10"	LACDPW-WW	RELOCATE
31	WATER	12"	LACDPW-WW	RELOCATE
32	WATER	20"	LACDPW-WW	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 5  
COMPOSITE UTILITY PLAN  
STA 20945+00 TO 20970+00

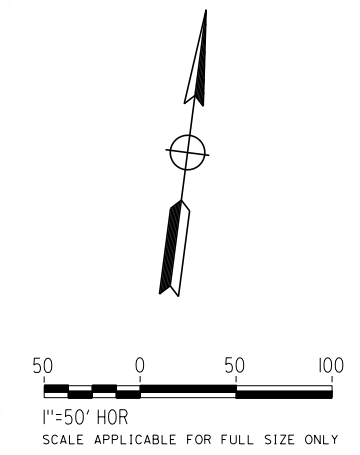
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**HSR13-44**  
DRAWING NO.  
**UT-C4544**  
SCALE  
**AS SHOWN**  
SHEET NO.



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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	8"	LACDPW-WW	RELOCATE
2	SEWER	UNK	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	UNK	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**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20945+00 TO 20970+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4545**  
SCALE  
**AS SHOWN**  
SHEET NO.



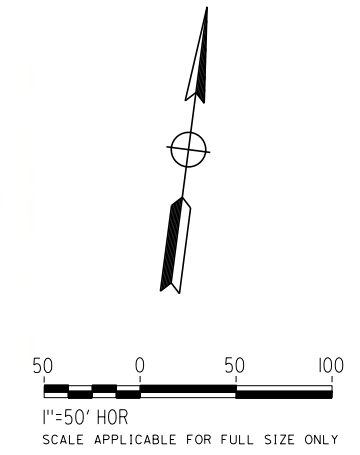
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OIC:Adodge 11/7/2017 3:59:23 PM

MATCH LINE ( UT-C4544 )



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

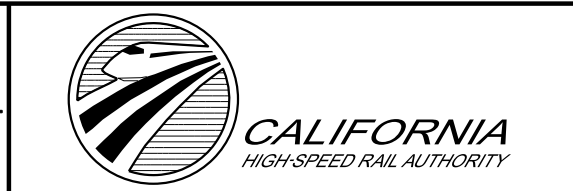


REV	DATE	BY	CHK	APP	DESCRIPTION

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

**RECORD  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



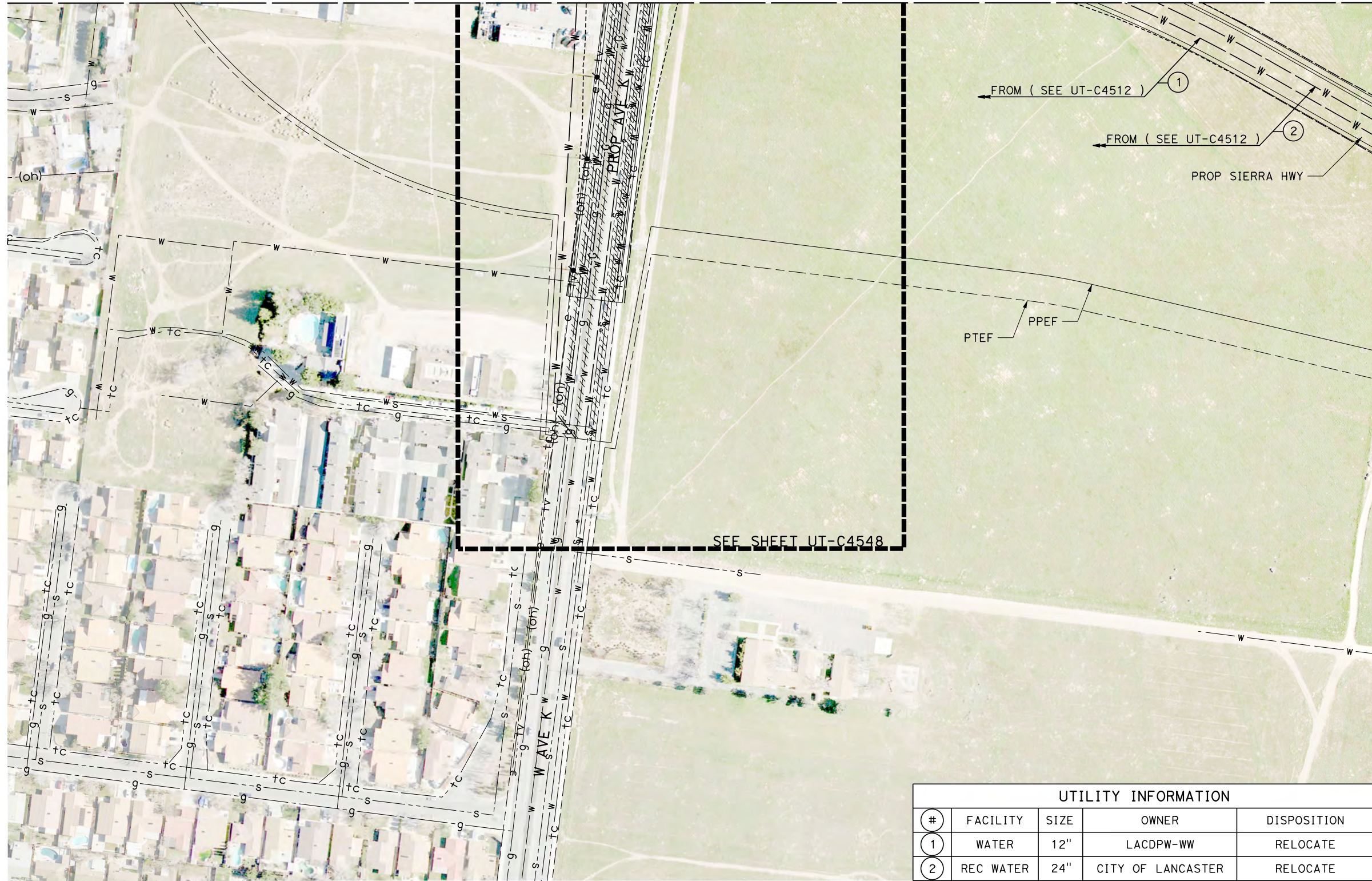
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20945+00 TO 20970+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4546**  
SCALE  
**AS SHOWN**  
SHEET NO.



MATCH LINE ( UT-C4512 )



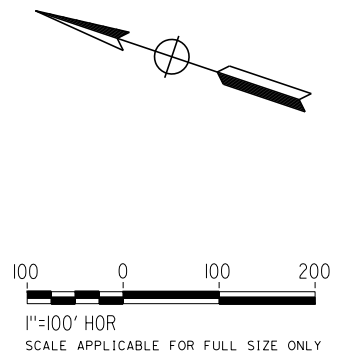
FROM ( SEE UT-C4512 ) ①  
 FROM ( SEE UT-C4512 ) ②  
 PROP SIERRA HWY

PTEF PPEF

SEE SHEET UT-C4548

MATCH LINE ( UT-C4553 )

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
①	WATER	12"	LACDPW-WW	RELOCATE
②	REC WATER	24"	CITY OF LANCASTER	RELOCATE

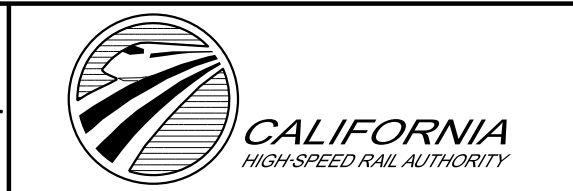


REV	DATE	BY	CHK	APP	DESCRIPTION

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

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PEPD  
SUBMITTAL**

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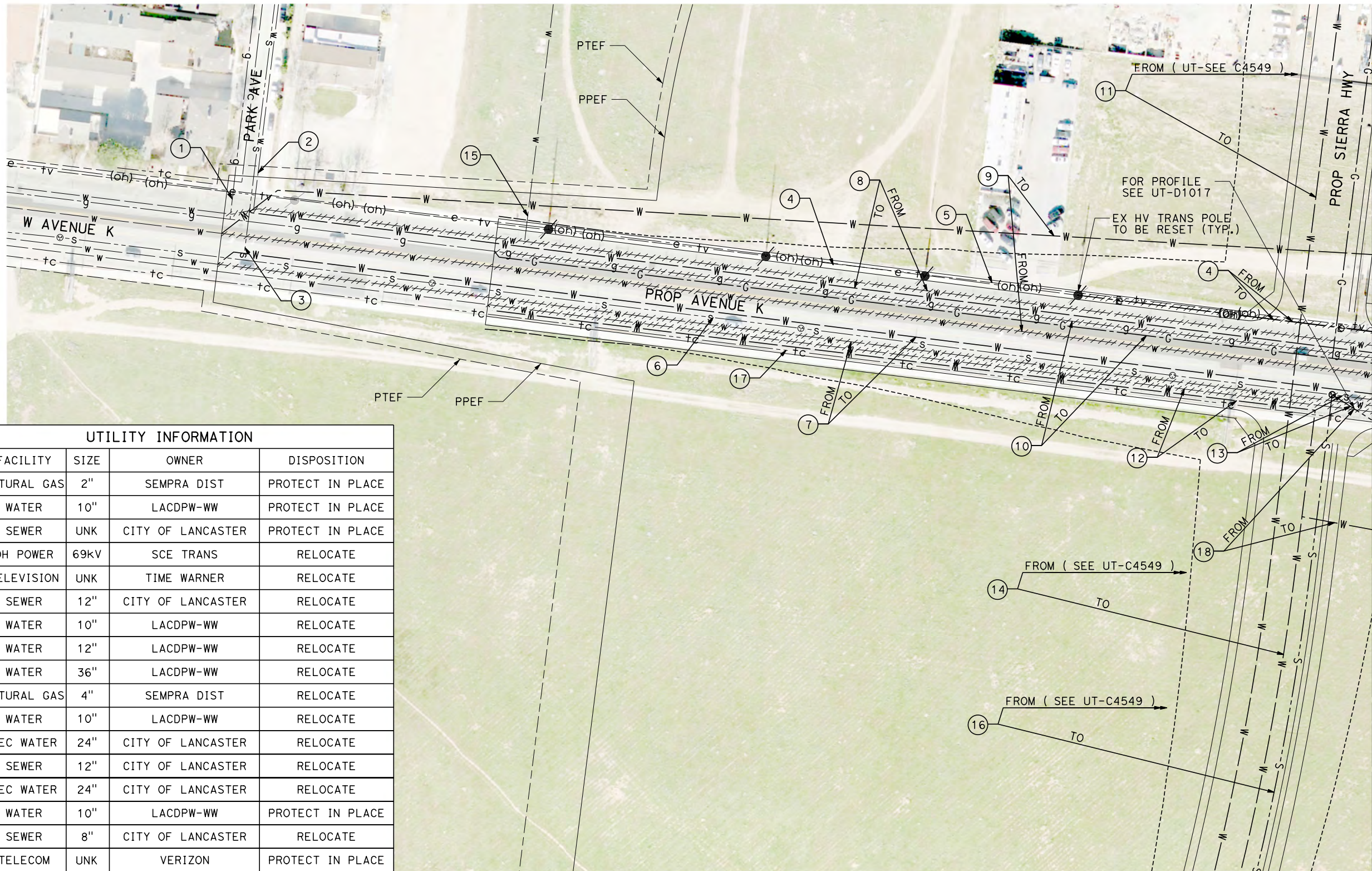


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
 COMPOSITE UTILITY PLAN  
 STA 20995+00 TO 21045+00

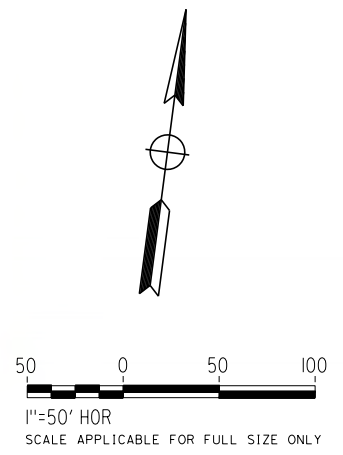
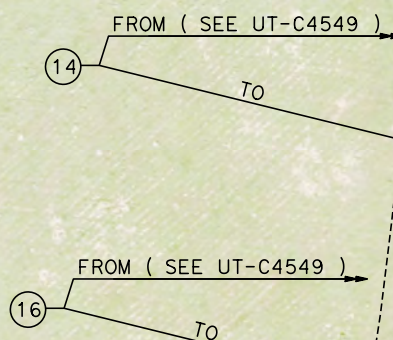
CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-C4547**  
 SCALE  
**AS SHOWN**  
 SHEET NO.





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	RELOCATE
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	WATER	10"	LACDPW-WW	PROTECT IN PLACE
16	SEWER	8"	CITY OF LANCASTER	RELOCATE
17	TELECOM	UNK	VERIZON	PROTECT IN PLACE
18	REC WATER	24"	CITY OF LANCASTER	RELOCATE

MATCH LINE ( UT-C4549 )



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 5  
COMPOSITE UTILITY PLAN  
STA 20995+00 TO 21045+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4548**

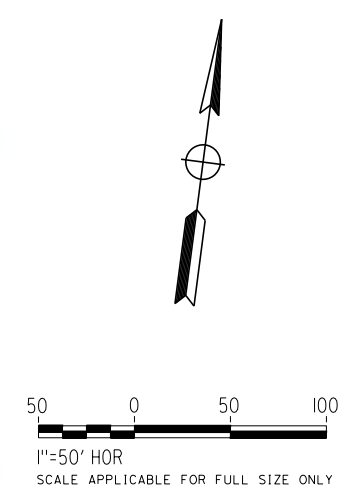
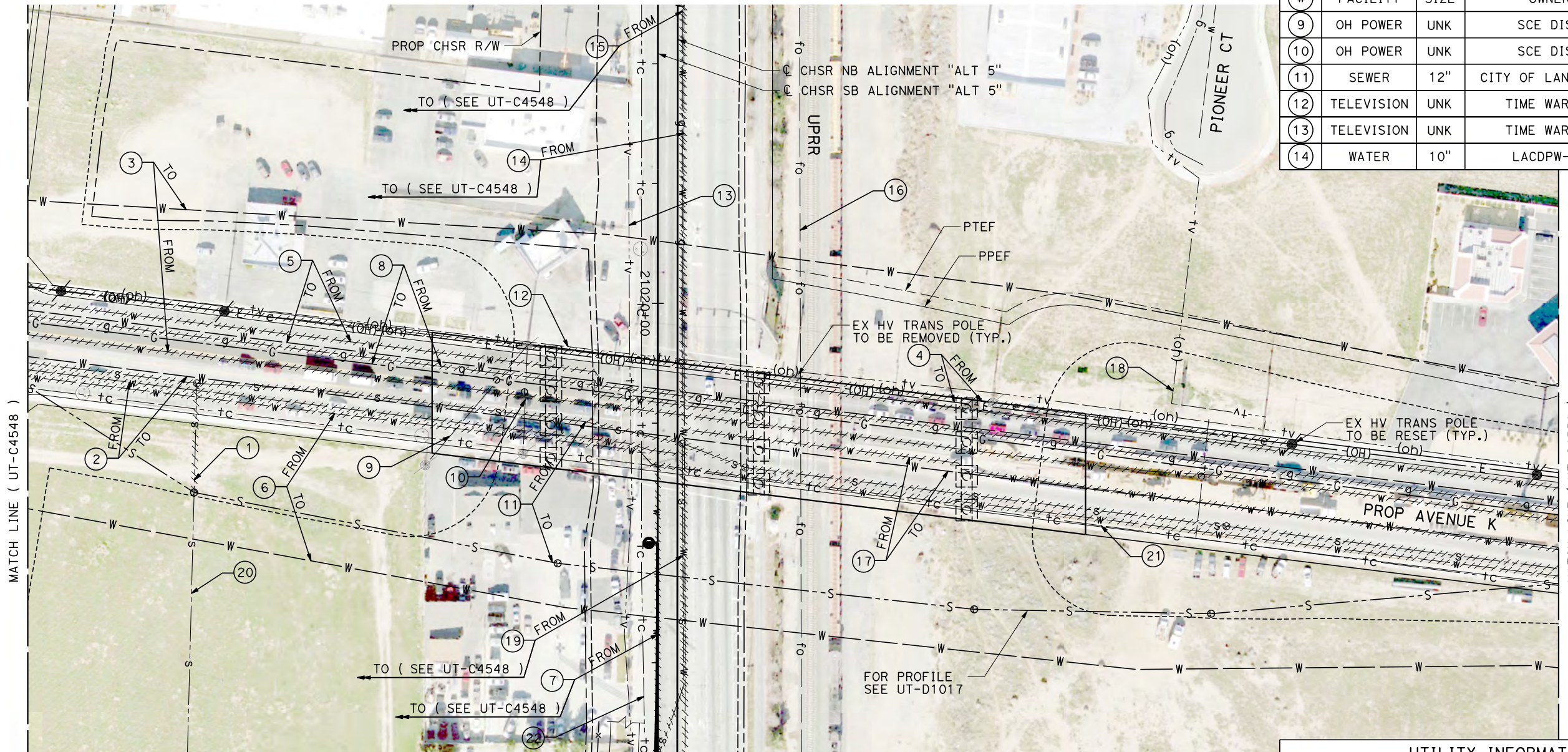
SCALE  
**AS SHOWN**

SHEET NO.



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UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
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



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
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

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
15	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
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	SEWER	8"	CITY OF LANCASTER	PROTECT IN PLACE
21	TELECOM	UNK	VERIZON	RELOCATE
22	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**

**NOT FOR  
CONSTRUCTION**



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

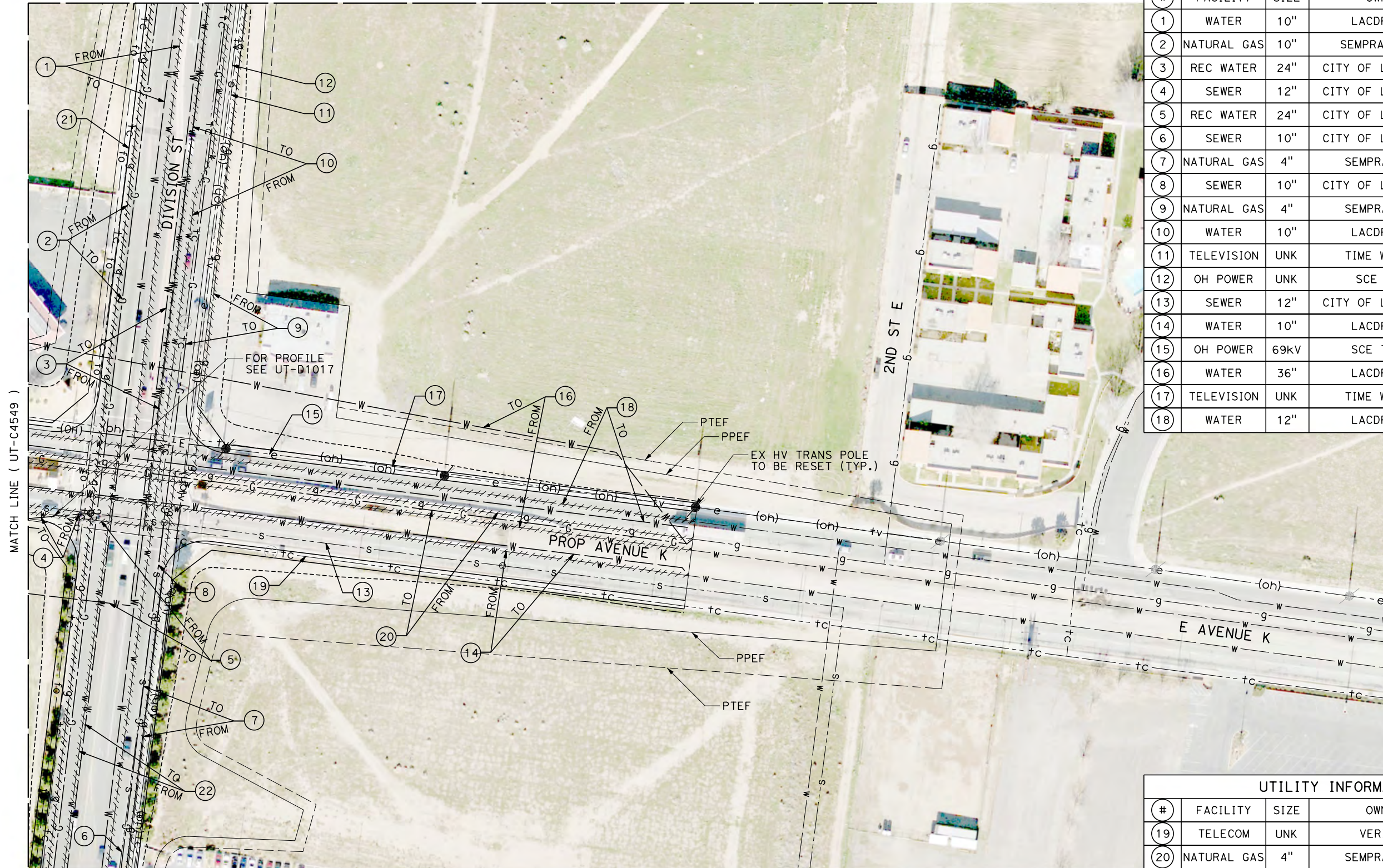
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20995+00 TO 21045+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4549**  
SCALE  
**AS SHOWN**  
SHEET NO.



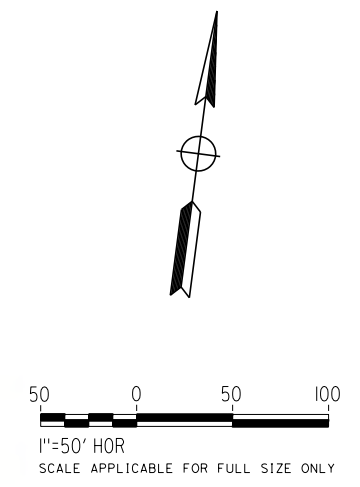
Projects\701206.00\_CHSRBP\00\_CADD\Sheet\_Files\UT\1\15 (Lancaster A)\BP-UT-C4550.dgn 11/7/2017 3:59:27 PM OIC\_A.Dodge

MATCH LINE ( UT-C4551 )



MATCH LINE ( UT-C4552 )

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



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
19	TELECOM	UNK	VERIZON	RELOCATE
20	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
21	TELECOM	UNK	VERIZON	PROTECT IN PLACE
23	WATER	10"	LACDPW-WW	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 5  
COMPOSITE UTILITY PLAN  
STA 20995+00 TO 21045+00

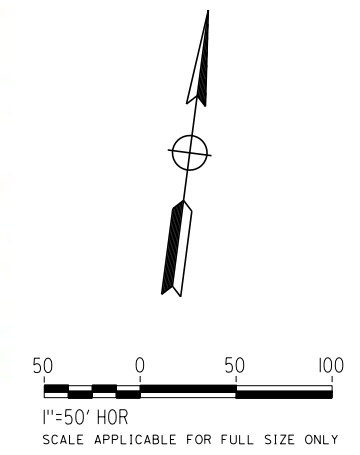
CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4550**  
SCALE  
**AS SHOWN**  
SHEET NO.





MATCH LINE ( UT-C4550 )

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	10"	SEMPRA	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	RELOCATE
6	REC WATER	24"	CITY OF LANCASTER	RELOCATE
7	TELEVISION	UNK	TIME WARNER	RELOCATE
8	OH POWER	UNK	EDISON	RELOCATE
9	NATURAL GAS	2"	SEMPRA	PROTECT IN PLACE
10	WATER	12"	LACDPW-WW	PROTECT IN PLACE
11	NATURAL GAS	2"	SEMPRA	REMOVE
12	TELECOM	UNK	VERIZON	RELOCATE
13	FIBER OPTIC	UNK	AT&T TRANS	PROTECT IN PLACE
14	TELECOM	UNK	VERIZON	PROTECT IN PLACE
15	WATER	12"	LACDPW-WW	REMOVE

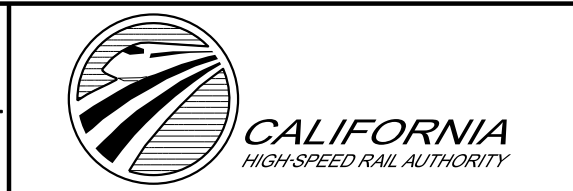


REV	DATE	BY	CHK	APP	DESCRIPTION

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 5  
COMPOSITE UTILITY PLAN  
STA 20995+00 TO 21045+00

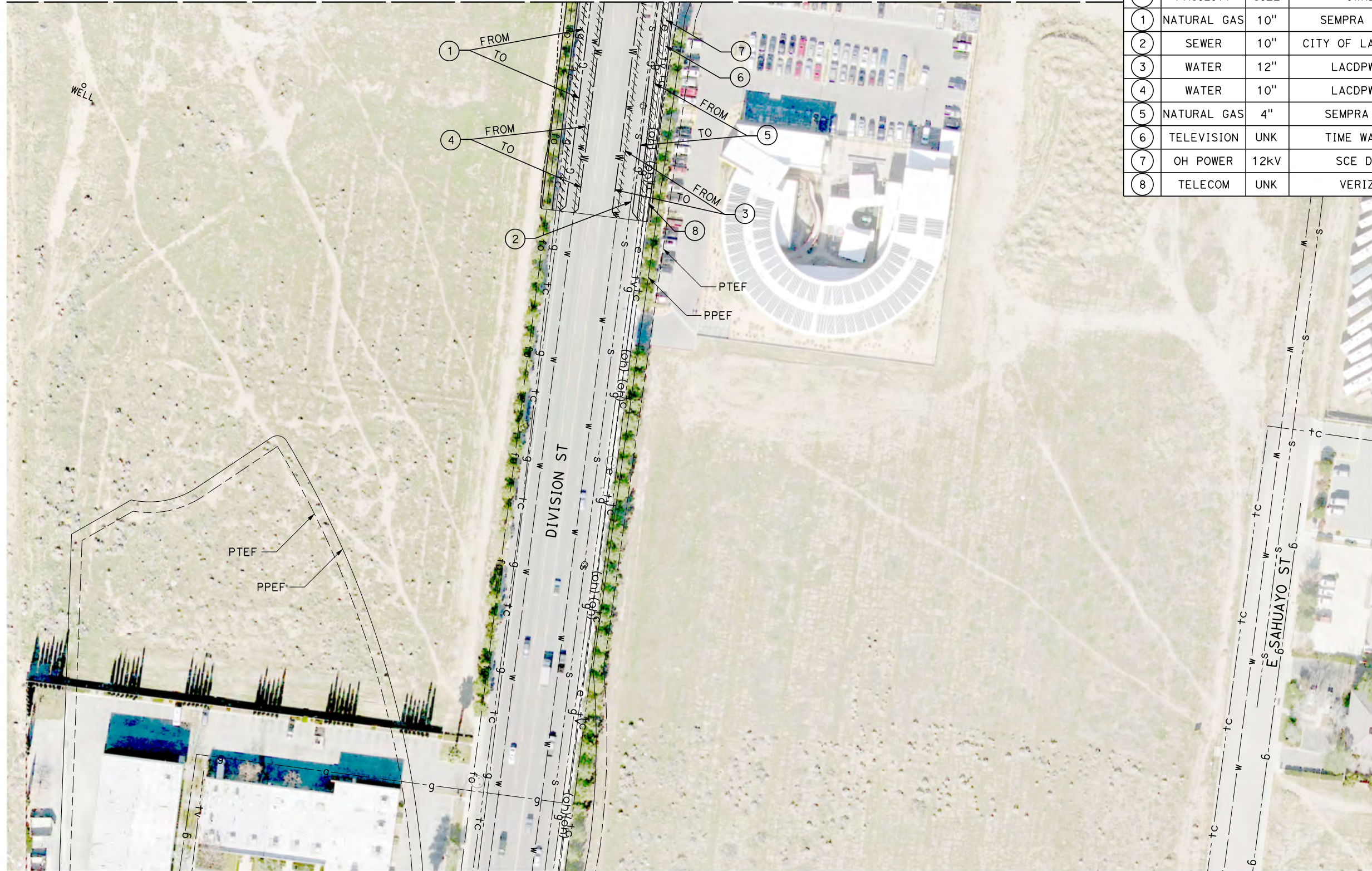
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**HSR13-44**  
DRAWING NO.  
**UT-C4551**  
SCALE  
**AS SHOWN**  
SHEET NO.



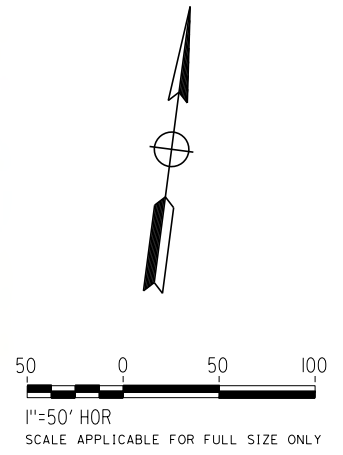
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MATCH LINE ( UT-C4550 )



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE
2	SEWER	10"	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	PROTECT IN PLACE
8	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**

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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 20995+00 TO 21045+00

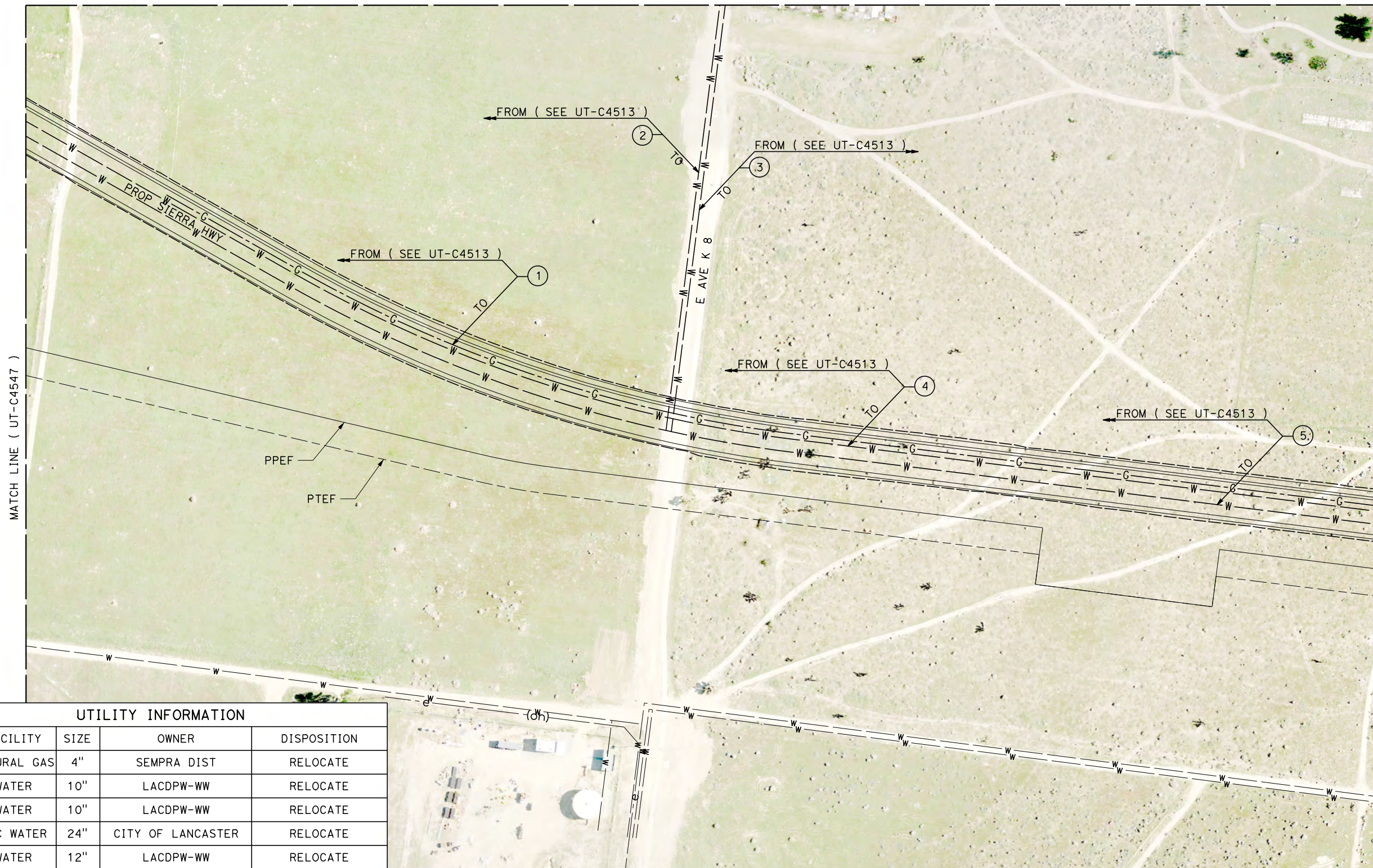
CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4552**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\T01206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\15 (Lancaster A)\BP-UT-C4553.dgn

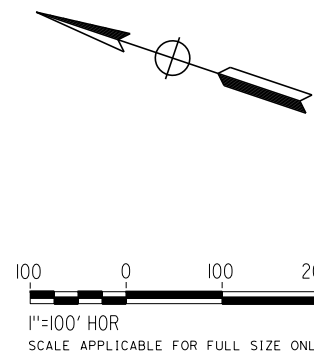
OIC:ADodge 11/7/2017 4:04:47 PM

MATCH LINE ( UT-C4513 )



MATCH LINE ( UT-C4554 )

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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. CONYERS**  
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**H. TU**  
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**D. ARUTA**  
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**S. SMITH**  
DATE  
**10/31/2017**

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

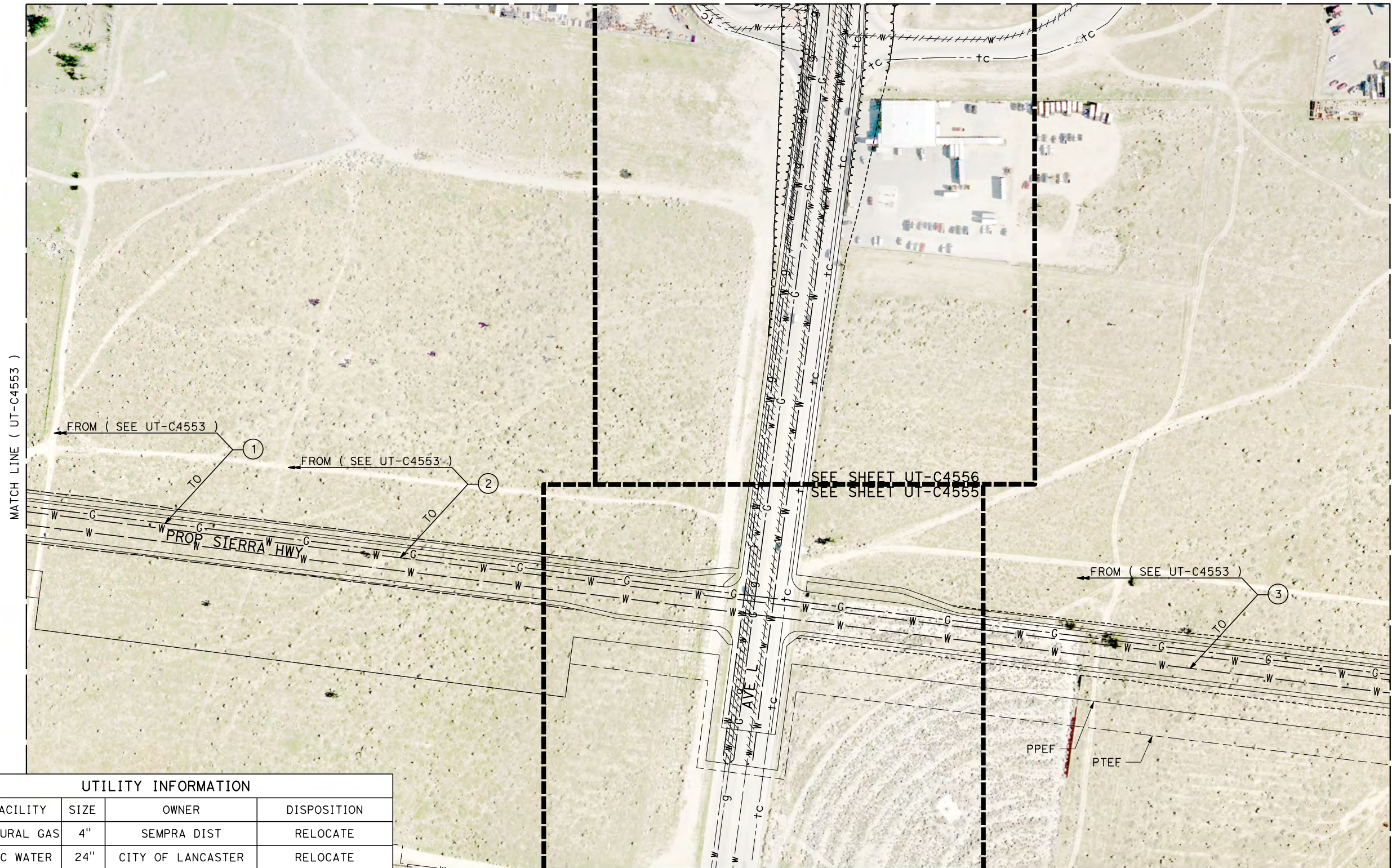
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21020+00 TO 21045+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4553**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\15 (Lancaster A)\BP-UT-C4554.dgn

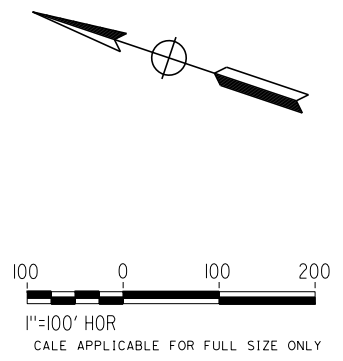
MATCH LINE ( UT-C4626 )



MATCH LINE ( UT-C4559 )

MATCH LINE ( UT-C4553 )

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



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. CONYERS**

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**H. TU**

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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 5  
COMPOSITE UTILITY PLAN  
STA 21045+00 TO 21095+00

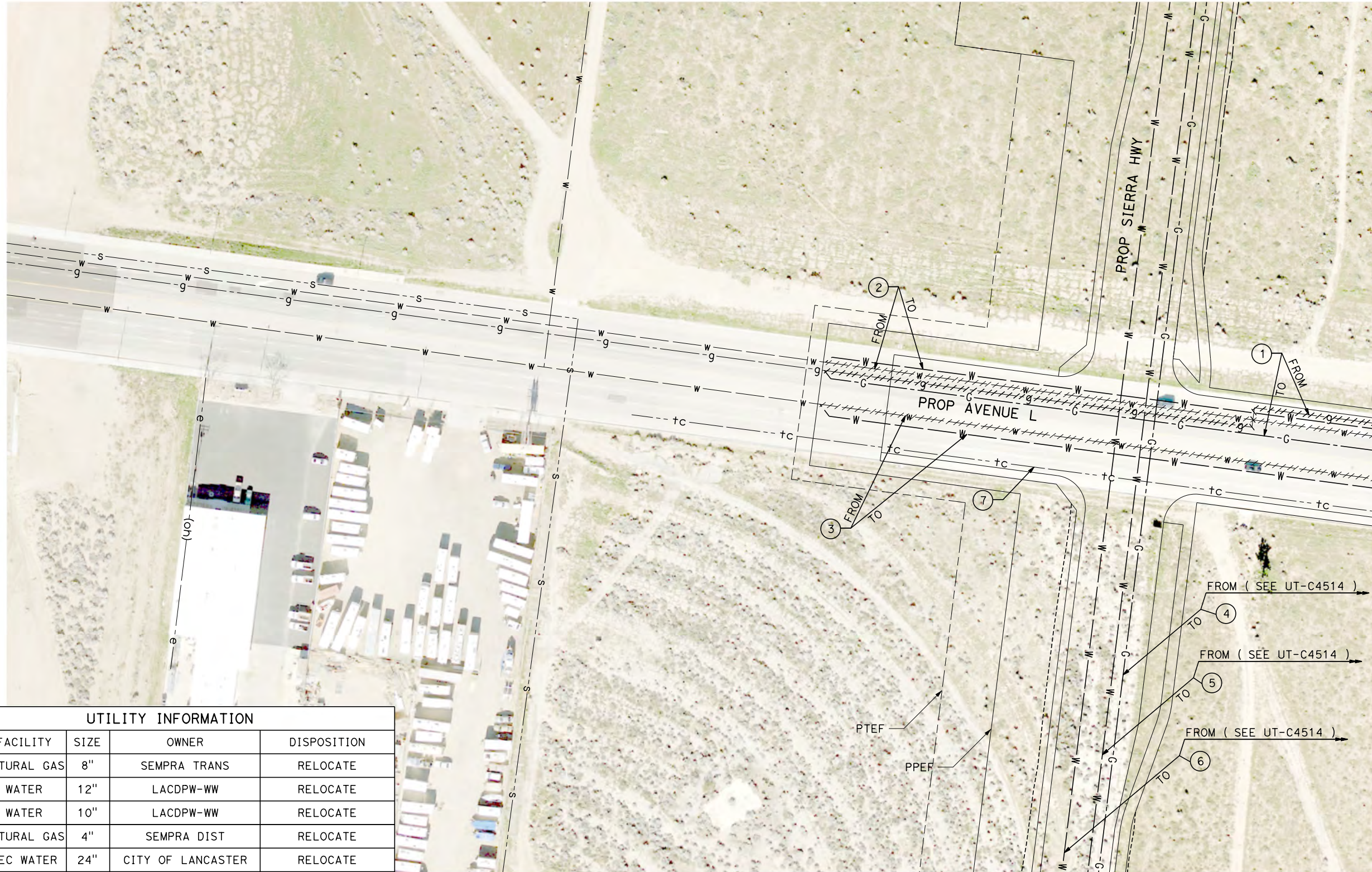
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HSR13-44

DRAWING NO.  
UT-C4554

SCALE  
AS SHOWN

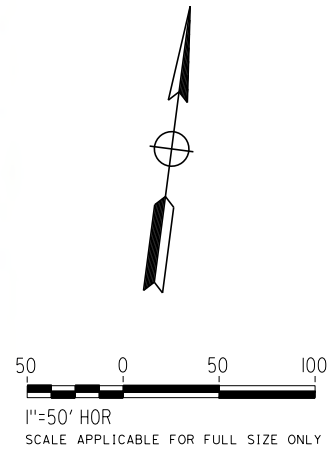
SHEET NO.





MATCH LINE ( UT-C4556 )

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	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
5	REC WATER	24"	CITY OF LANCASTER	RELOCATE
6	WATER	12"	LACDPW-WW	RELOCATE
7	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**

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PEPD  
SUBMITTAL**

**NOT FOR  
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**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21045+00 TO 21095+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4555**

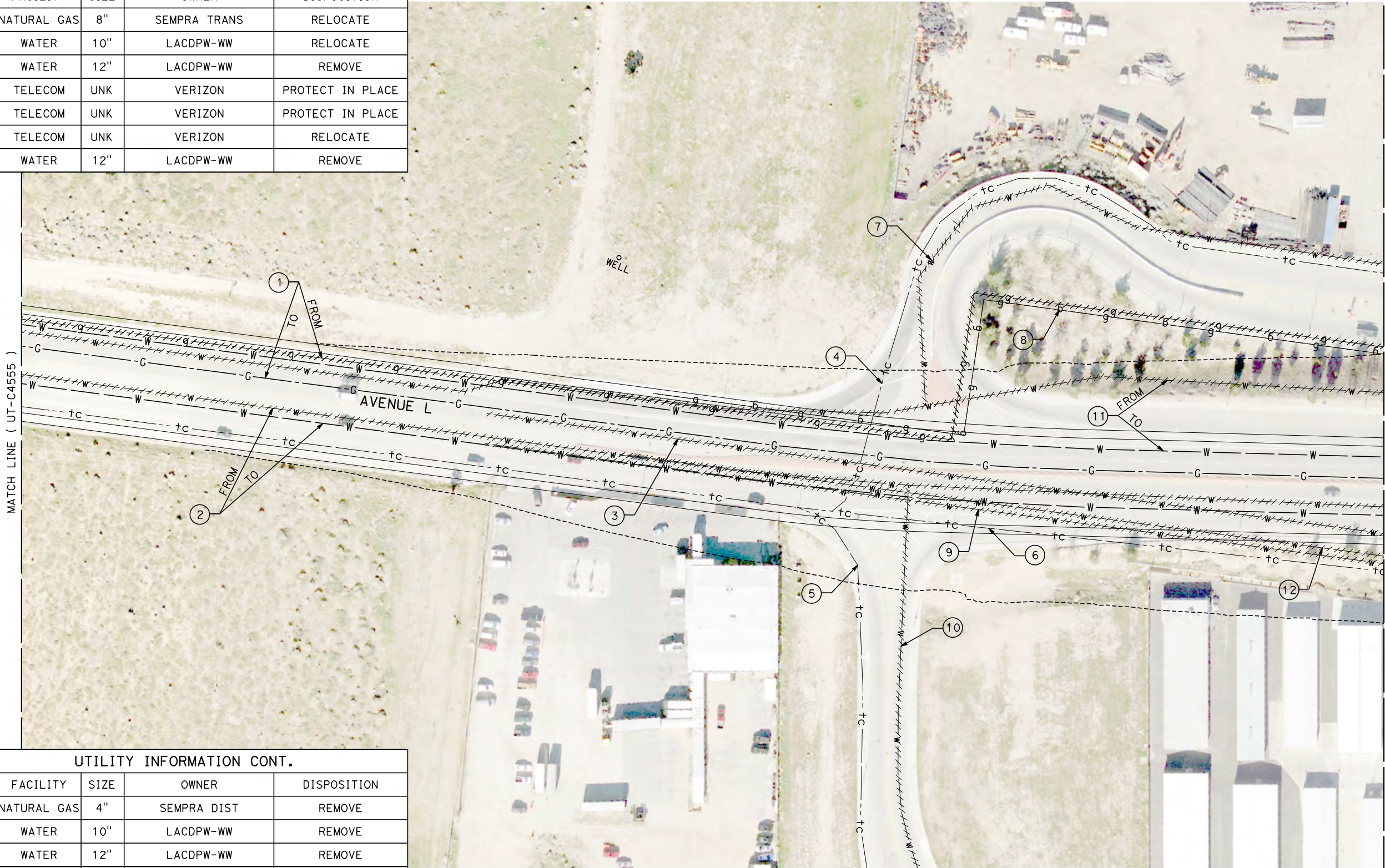
SCALE  
**AS SHOWN**

SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT-A1\15 (Lancaster A)\BP-UT-C4556.dgn

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	PROTECT IN PLACE
5	TELECOM	UNK	VERIZON	PROTECT IN PLACE
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

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 5  
COMPOSITE UTILITY PLAN  
STA 21045+00 TO 21095+00

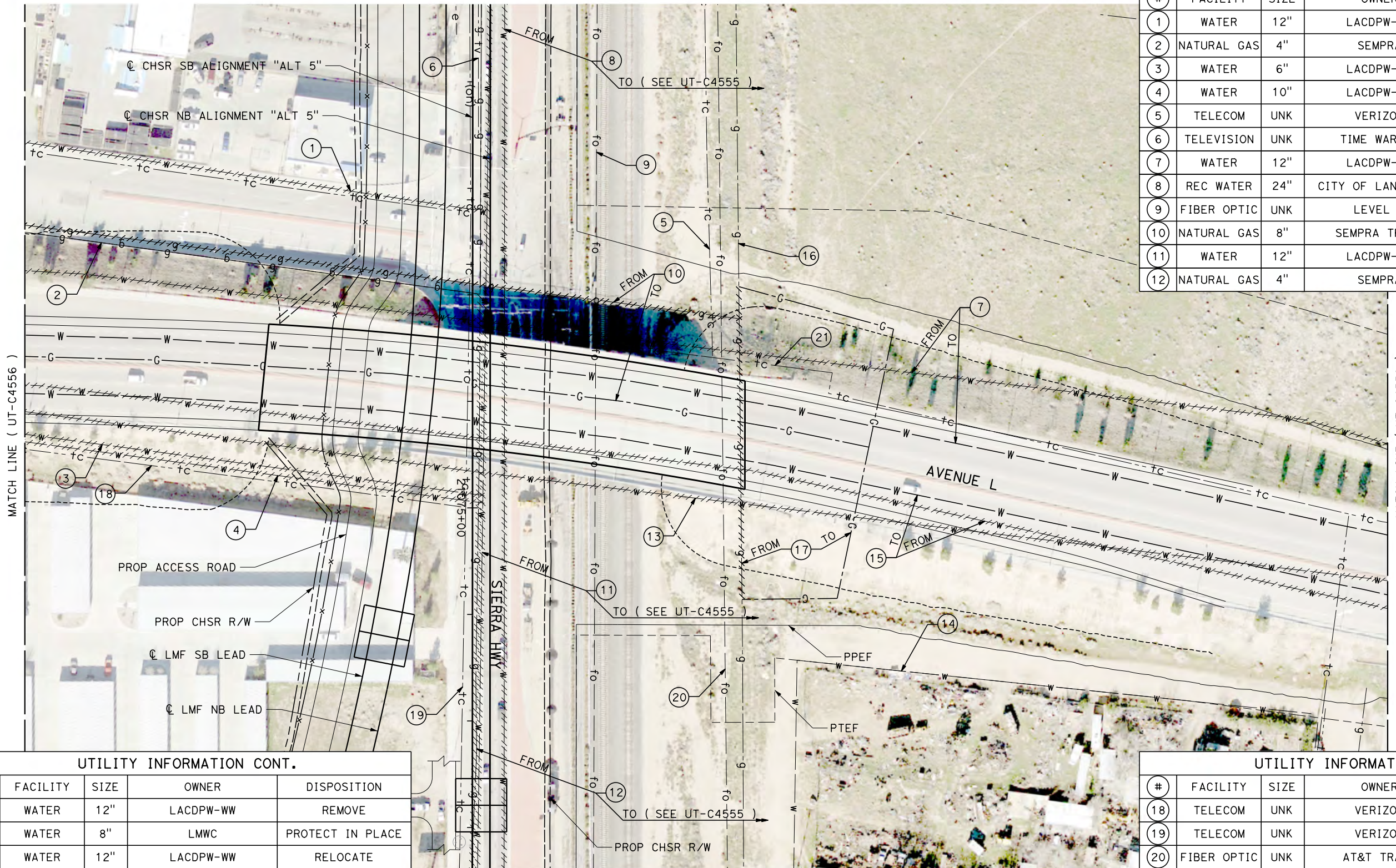
CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4556**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster A)\BP-UT-C4557.dgn

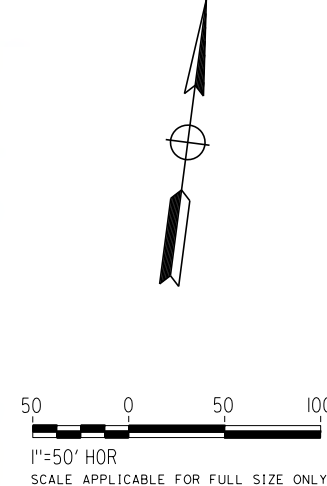
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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	LACDPW-WW	REMOVE
2	NATURAL GAS	4"	SEMPRA	REMOVE
3	WATER	6"	LACDPW-WW	REMOVE
4	WATER	10"	LACDPW-WW	REMOVE
5	TELECOM	UNK	VERIZON	PROTECT IN PLACE
6	TELEVISION	UNK	TIME WARNER	RELOCATE
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
12	NATURAL GAS	4"	SEMPRA	RELOCATE



MATCH LINE ( UT-C4556 )

MATCH LINE ( UT-C4558 )



UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
13	WATER	12"	LACDPW-WW	REMOVE
14	WATER	8"	LMWC	PROTECT IN PLACE
15	WATER	12"	LACDPW-WW	RELOCATE
16	NATURAL GAS	10"	SEMPRA TRANS	PROTECT IN PLACE
17	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
18	TELECOM	UNK	VERIZON	RELOCATE
19	TELECOM	UNK	VERIZON	RELOCATE
20	FIBER OPTIC	UNK	AT&T TRANS	PROTECT IN PLACE
21	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  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

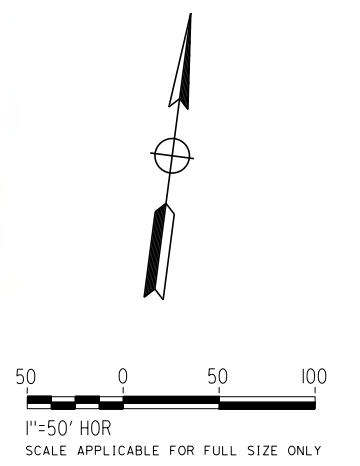
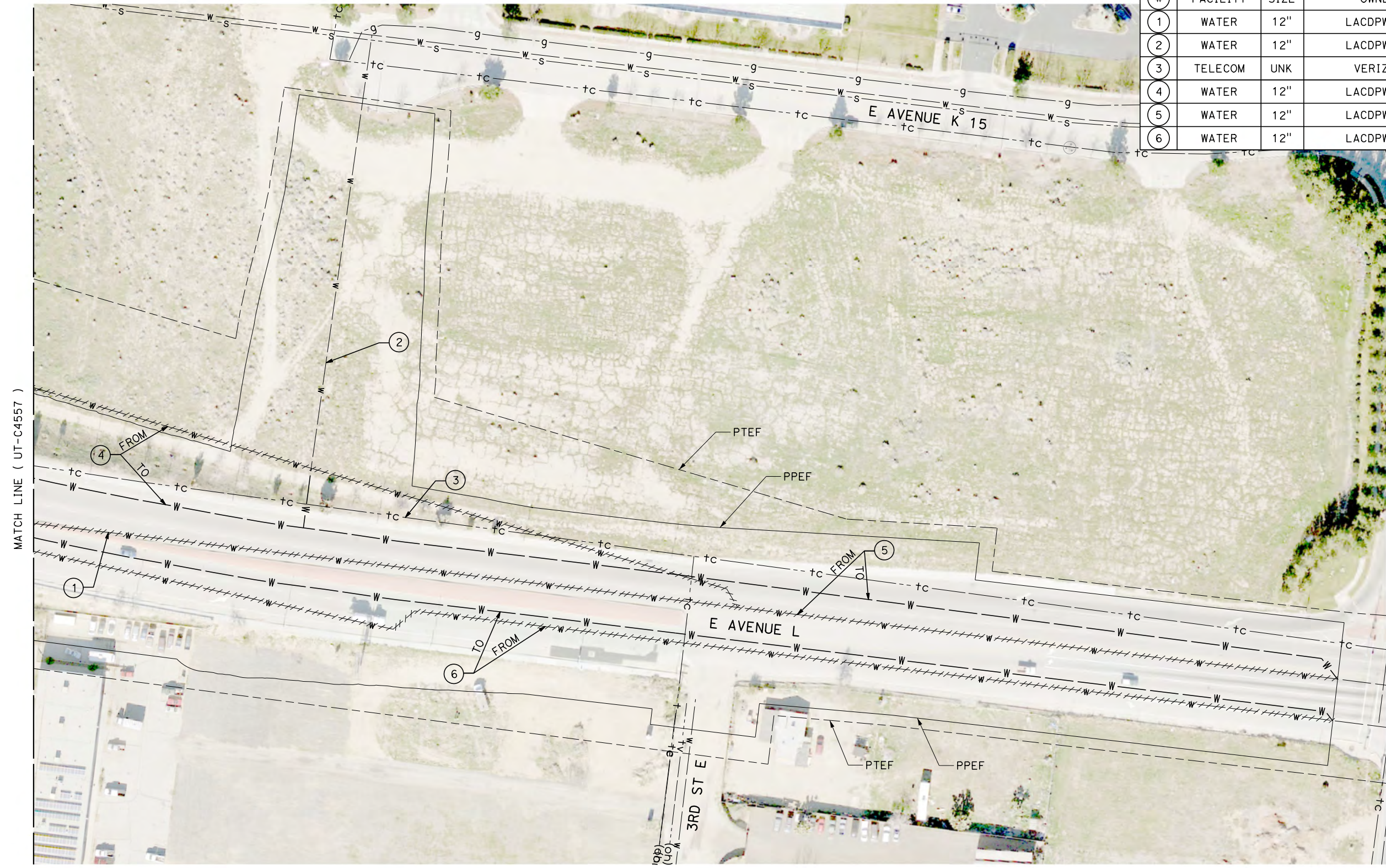
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21045+00 TO 21095+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4557**  
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	TELECOM	UNK	VERIZON	PROTECT IN PLACE </td
4	WATER	12"	LACDPW-WW	RELOCATE
5	WATER	12"	LACDPW-WW	RELOCATE
6	WATER	12"	LACDPW-WW	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**



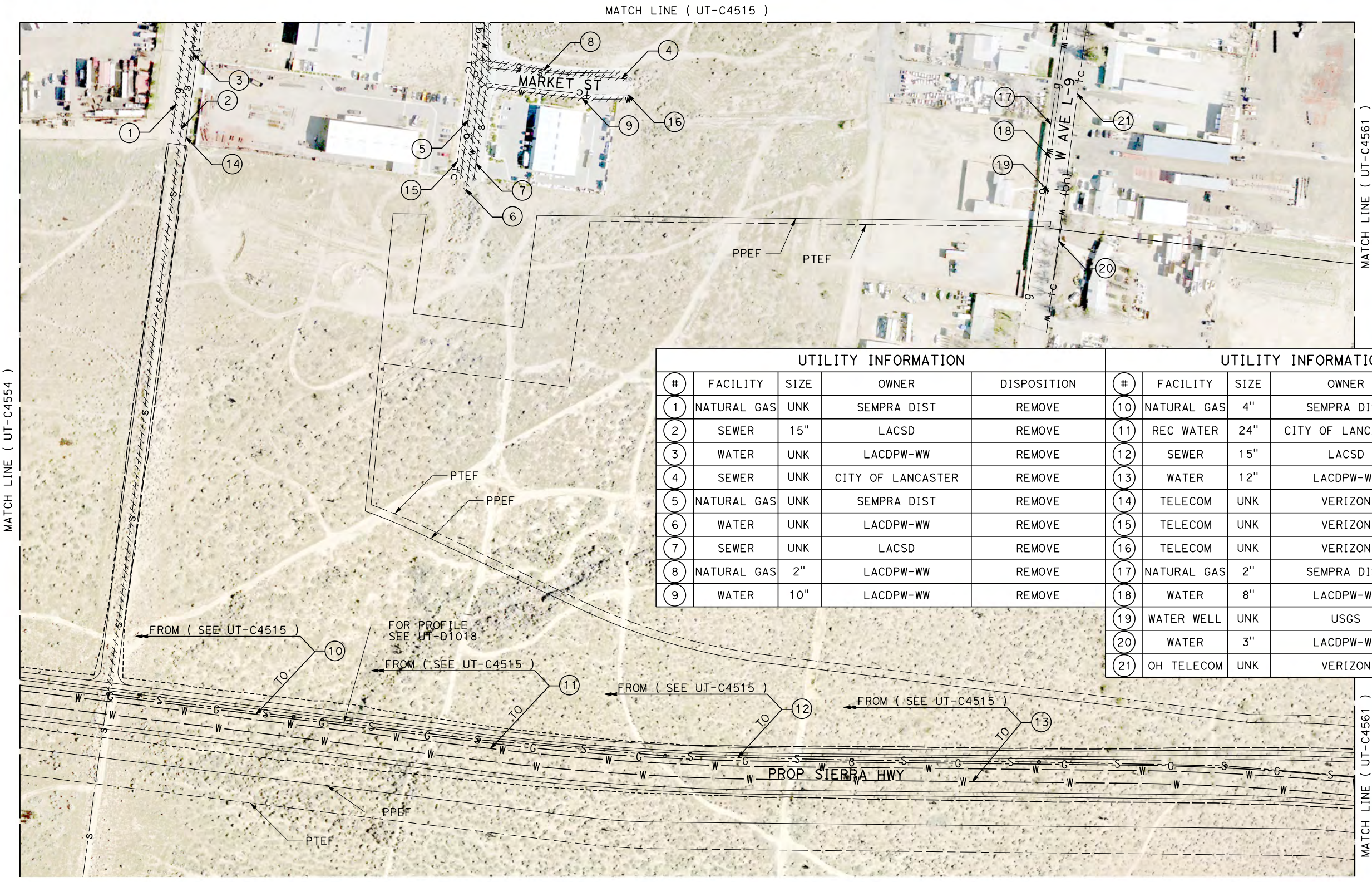
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21045+00 TO 21095+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4558**  
SCALE  
**AS SHOWN**  
SHEET NO.



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

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**

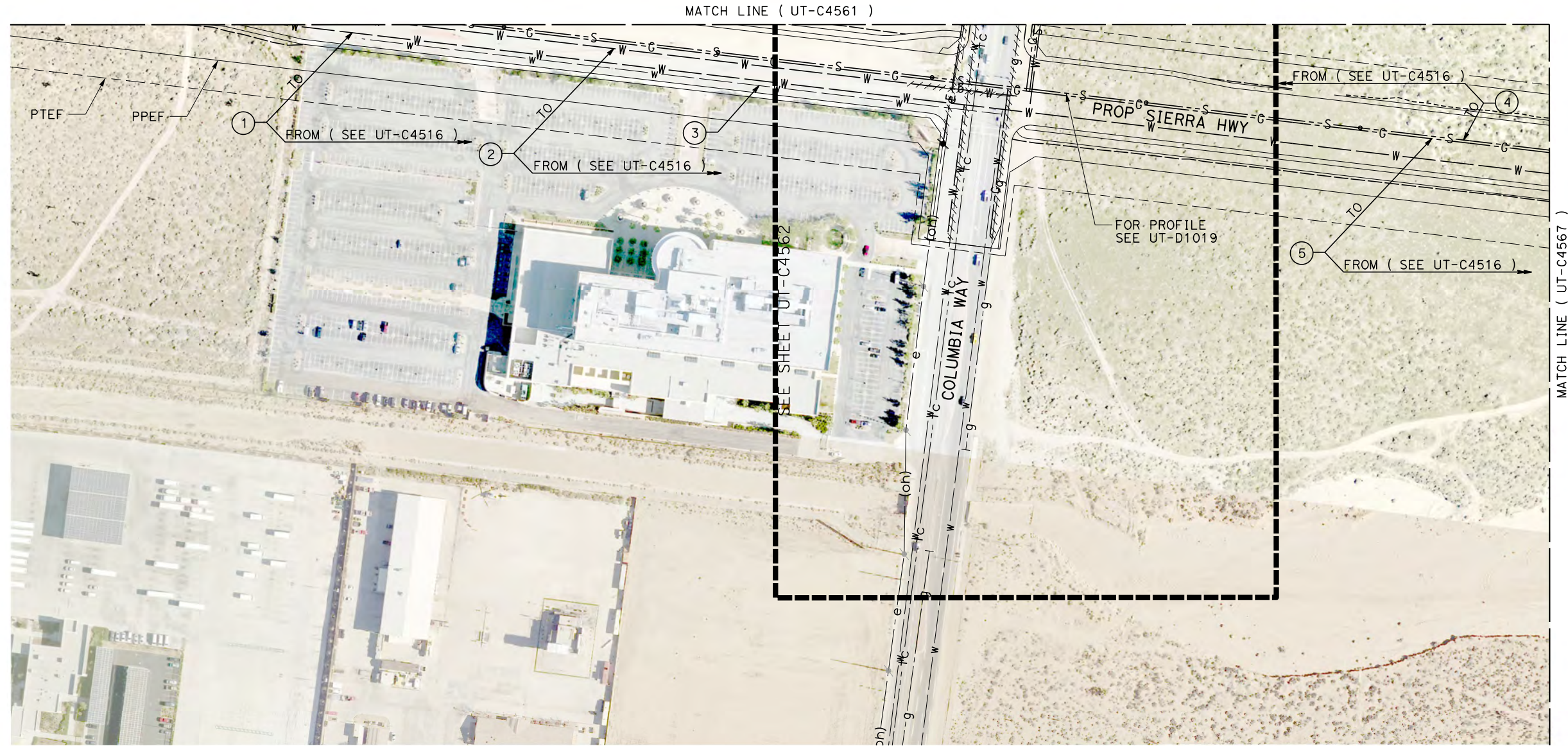


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

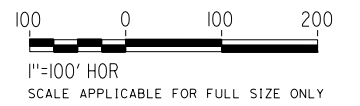
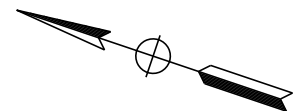
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21095+00 TO 21120+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4559**  
SCALE  
**AS SHOWN**  
SHEET NO.





UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	LACDPW-WW	RELOCATE
2	REC WATER	24"	CITY OF LANCASTER	RELOCATE
3	WATER	16"	LACDPW-WW	PROTECT IN PLACE
4	SEWER	15"	LACSD	RELOCATE
5	NATURAL GAS	4"	SEMPRA DIST	RELOCATE



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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 5  
COMPOSITE UTILITY PLAN  
STA 21120+00 TO 21145+00

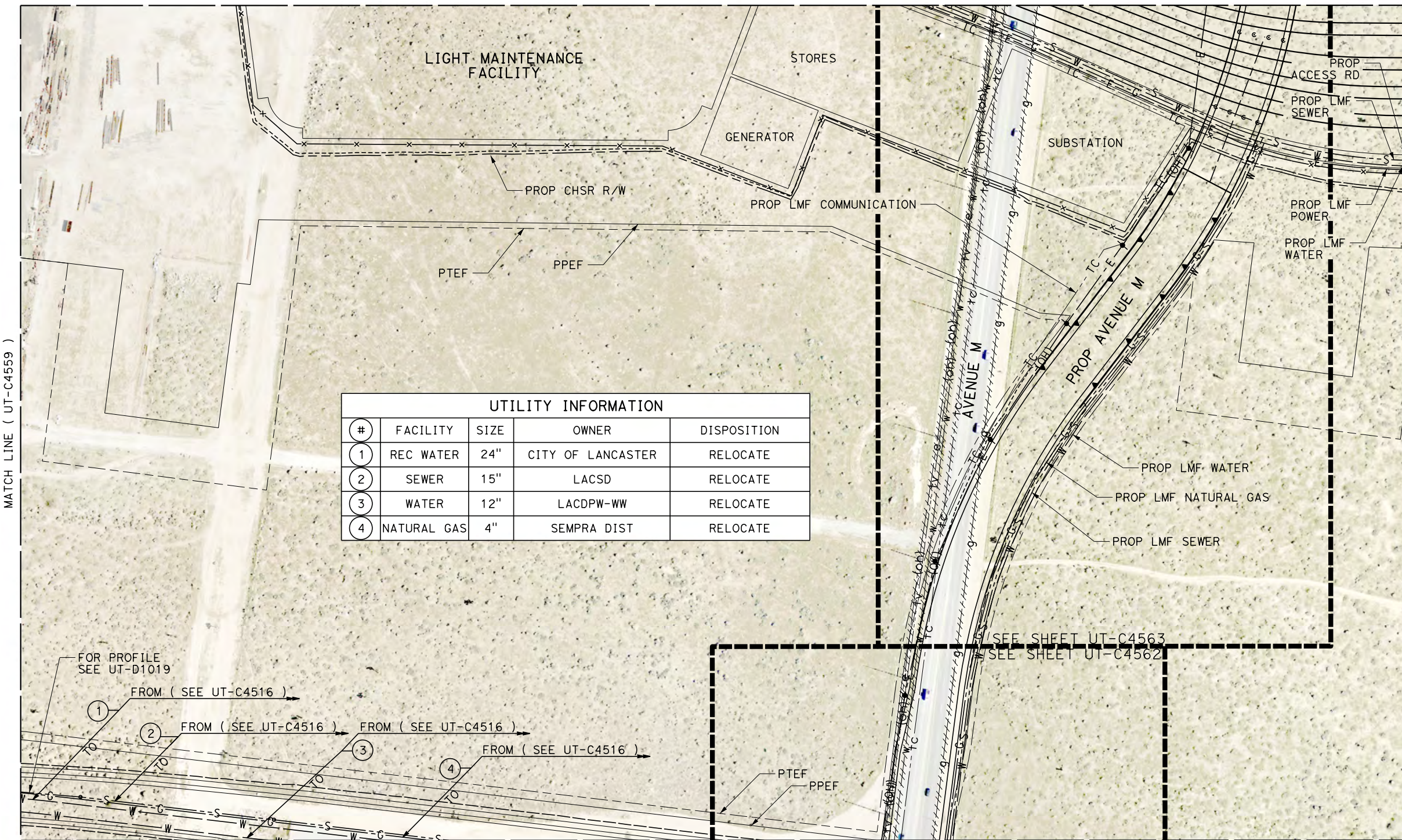
CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4560**  
SCALE  
**AS SHOWN**  
SHEET NO.



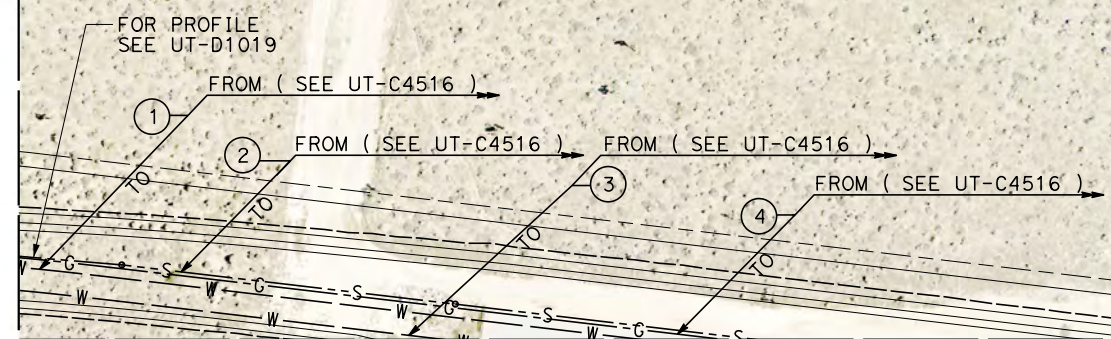
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MATCH LINE ( UT-C4516 )

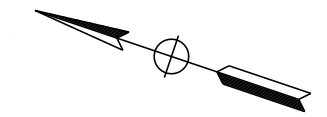


UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	REC WATER	24"	CITY OF LANCASTER	RELOCATE
2	SEWER	15"	LACSD	RELOCATE
3	WATER	12"	LACDPW-WW	RELOCATE
4	NATURAL GAS	4"	SEMPRA DIST	RELOCATE



MATCH LINE ( UT-C4560 )

MATCH LINE ( UT-C4568 )



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

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**

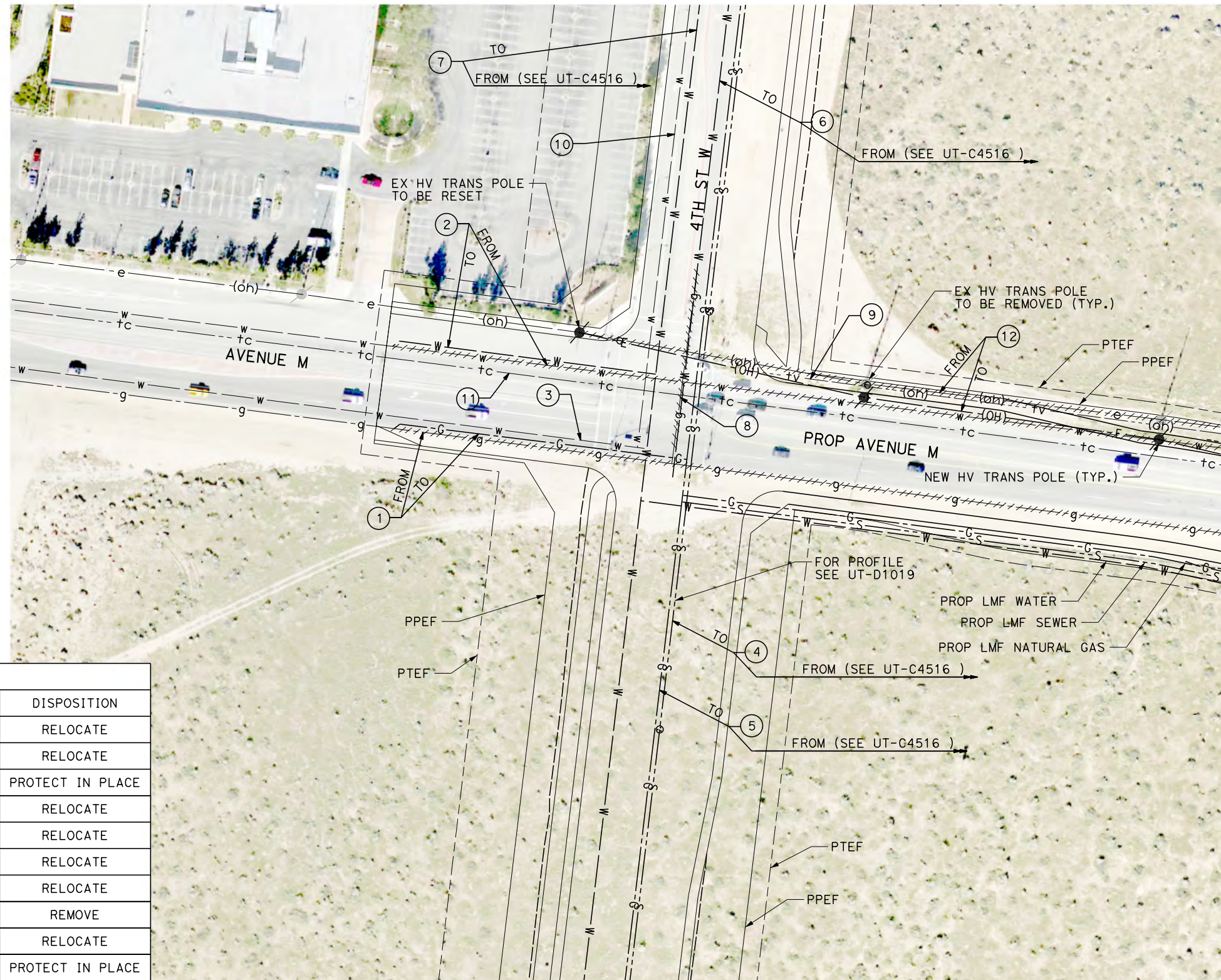


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21120+00 TO 21145+00

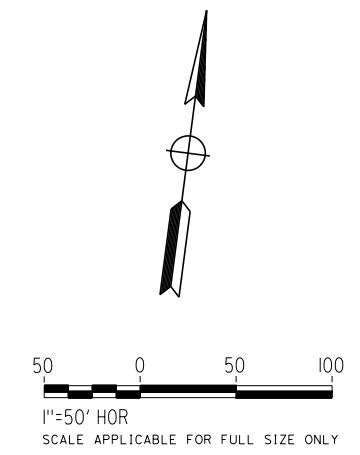
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**HSR13-44**  
DRAWING NO.  
**UT-C4561**  
SCALE  
**AS SHOWN**  
SHEET NO.





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	12"	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 ( C4563 )



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**

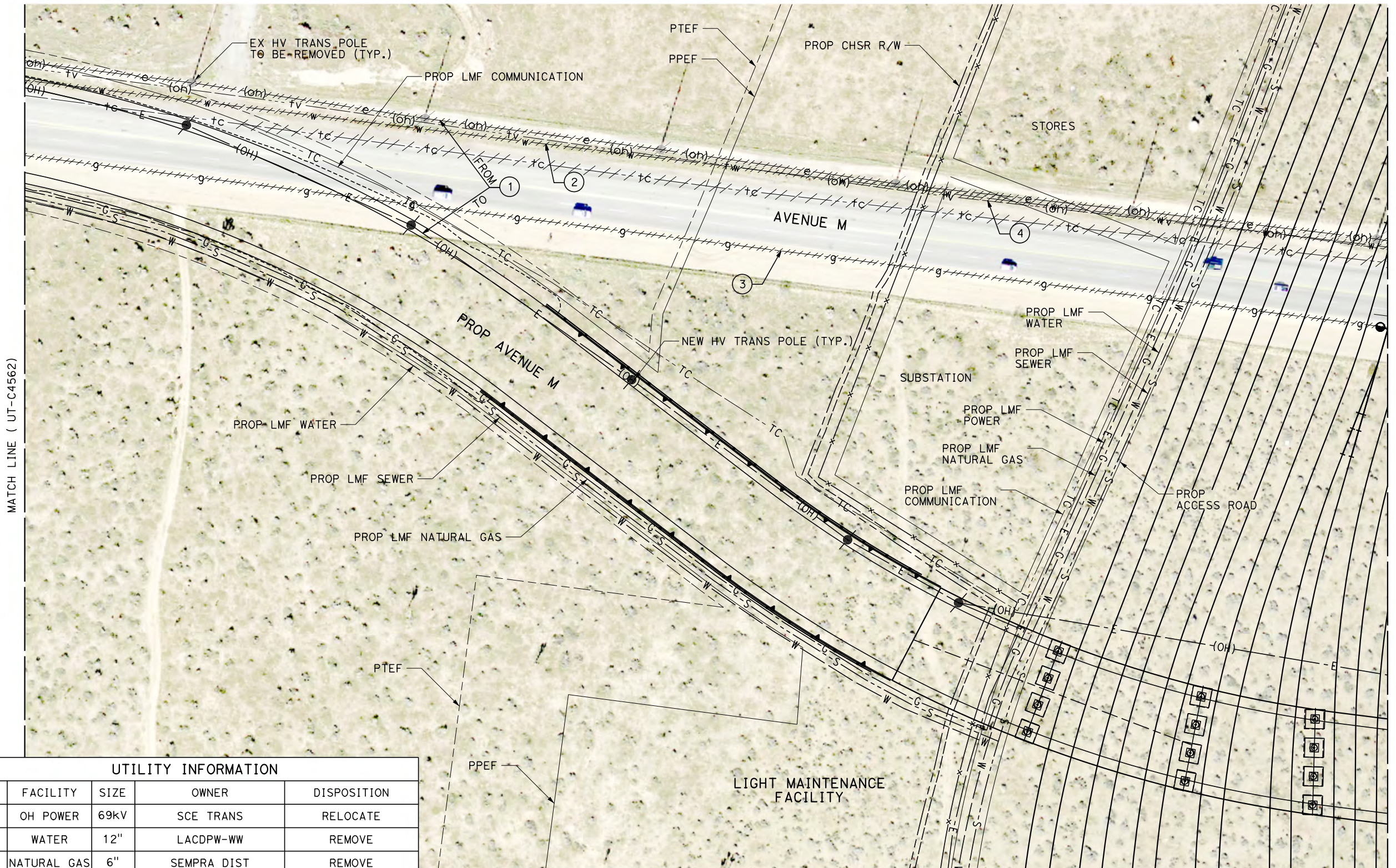
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21120+00 TO 21145+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4562**  
SCALE  
**AS SHOWN**  
SHEET NO.

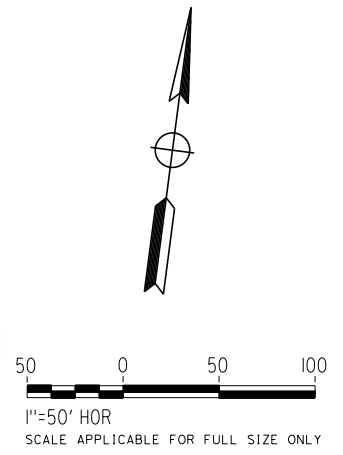


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UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	69KV	SCE TRANS	RELOCATE
2	WATER	12"	LACDPW-WW	REMOVE
3	NATURAL GAS	6"	SEMPRA DIST	REMOVE
4	TELEVISION	UNK	TIME WARNER	RELOCATE



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 5  
COMPOSITE UTILITY PLAN  
STA 21120+00 TO 21145+00

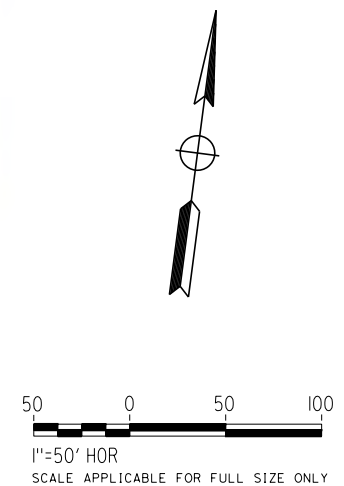
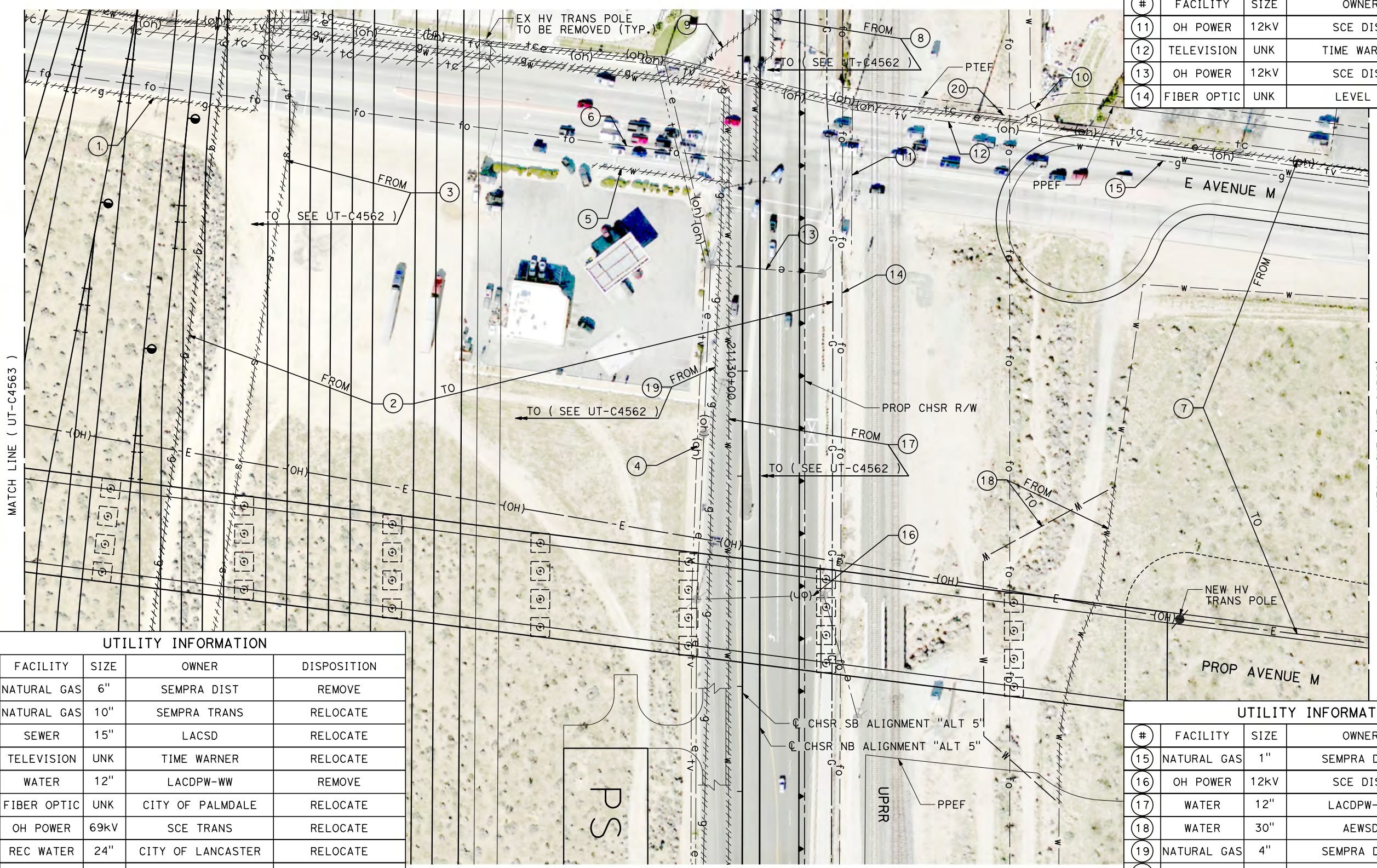
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DRAWING NO.  
**UT-C4563**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\Alt5 (Lancaster A)\BP-UT-C4564.dgn

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UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
11	OH POWER	12KV	SCE DIST	RELOCATE
12	TELEVISION	UNK	TIME WARNER	RELOCATE
13	OH POWER	12KV	SCE DIST	RELOCATE
14	FIBER OPTIC	UNK	LEVEL 3	RELOCATE



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	6"	SEMPRA DIST	REMOVE
2	NATURAL GAS	10"	SEMPRA TRANS	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
10	WATER	8"	LMWC	PROTECT IN PLACE

UTILITY INFORMATION CONT.				
#	FACILITY	SIZE	OWNER	DISPOSITION
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	TELECOM	UNK	VERIZON	PROTECT IN PLACE
21	TELECOM	UNK	VERIZON	NOT USED

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 5  
COMPOSITE UTILITY PLAN  
STA 21120+00 TO 21145+00

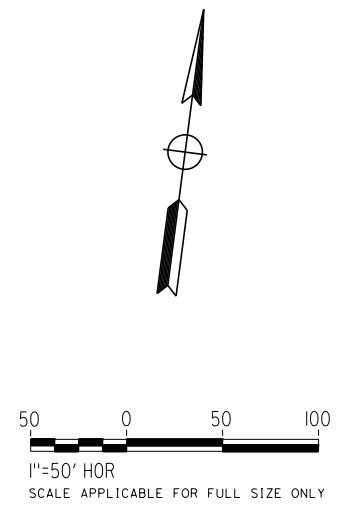
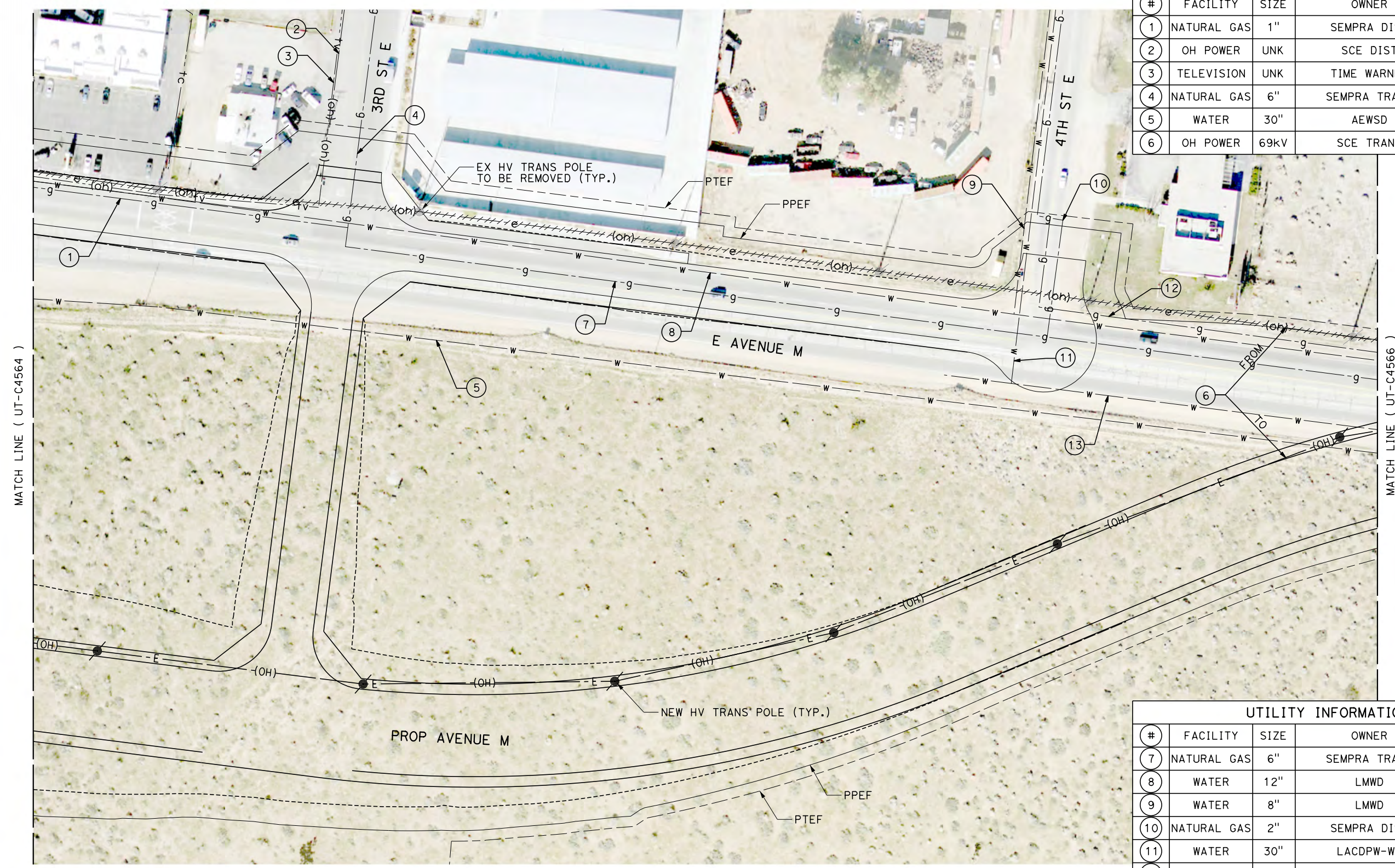
CONTRACT NO.  
HSR13-44  
DRAWING NO.  
UT-C4564  
SCALE  
AS SHOWN  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\15 (Lancaster A)\BP-UT-C4565.dgn

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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 TRANS	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**

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PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21120+00 TO 21145+00

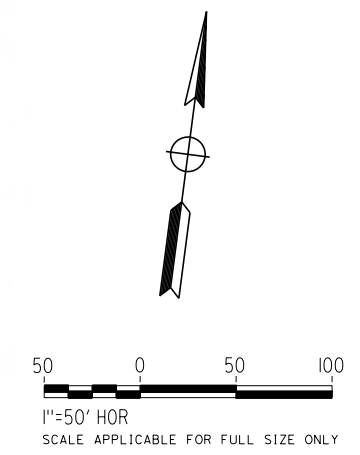
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**HSR13-44**  
DRAWING NO.  
**UT-C4565**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\T01206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A\1+5 (Lancaster A)\BP-UT-C4566.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"	AEWSD	PROTECT IN PLACE
6	NATURAL GAS	6"	SEMPRA TRANS	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 5  
COMPOSITE UTILITY PLAN  
STA 21120+00 TO 21145+00

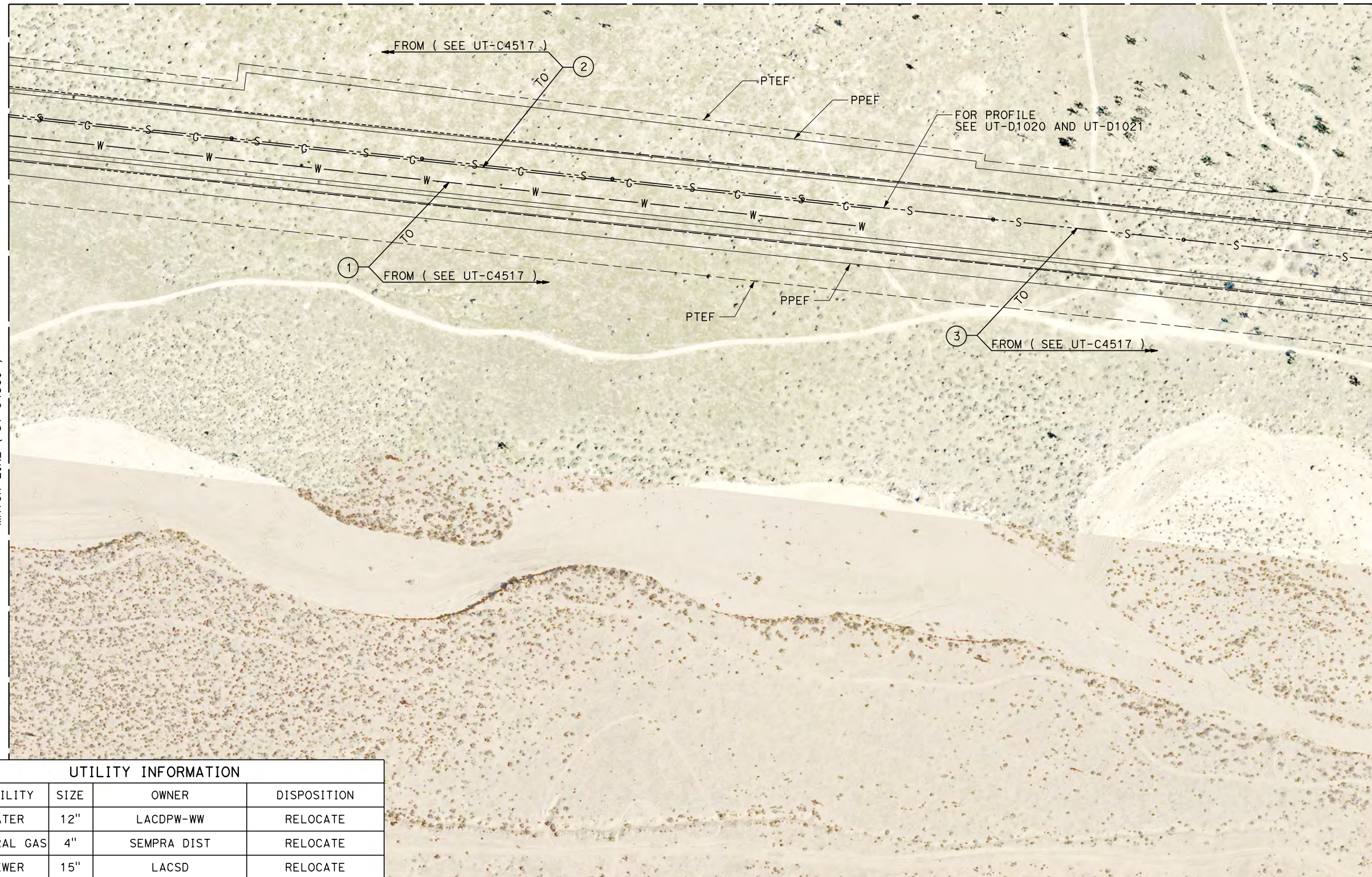
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**HSR13-44**  
DRAWING NO.  
**UT-C4566**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\115 (Lancaster A)\BP-UT-C4567.dgn

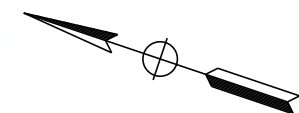
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MATCH LINE ( UT-C4568 )



UTILITY INFORMATION

#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	12"	LACDPW-WW	RELOCATE
2	NATURAL GAS	4"	SEMPRA DIST	RELOCATE
3	SEWER	15"	LACSD	RELOCATE



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

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**



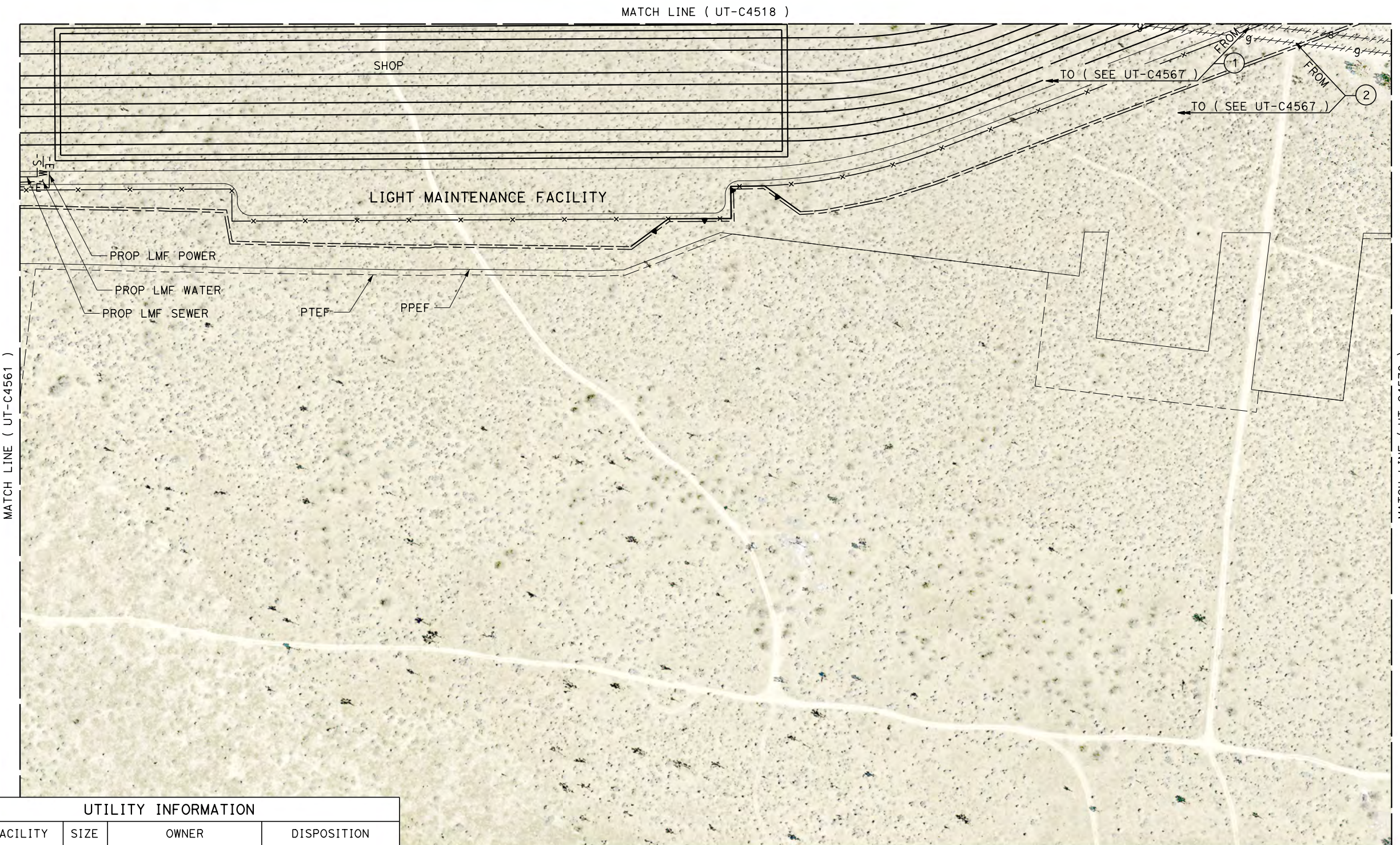
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21145+00 TO 21170+00

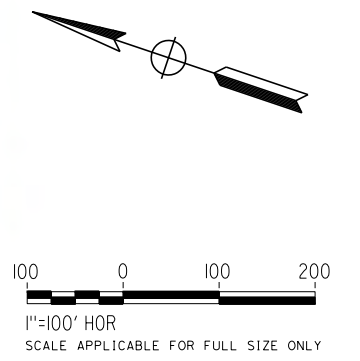
CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4567**  
SCALE  
**AS SHOWN**  
SHEET NO.



O:\CADDodge 11/7/2017 4:04:47 PM Projects\T01206.00\_CHSRBP\00\_CADD\Sheet Files\UT\1\15 (Lancaster A)\BP-UT-C4568.dgn



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	15"	LACSD	RELOCATE
2	NATURAL GAS	10"	SEMPRA 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**

**RECORD  
PEPD  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



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

ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21145+00 TO 21170+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4568**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\5 (Lancaster A)\BP-UT-C4569.dgn

OIC:ADodge 11/7/2017 4:03:54 PM

MATCH LINE ( UT-C4570 )



FOR PROFILE  
SEE UT-D1021 AND UT-D1022

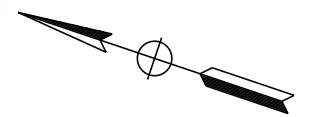
FROM ( SEE UT-C4518 )

PROP SIERRA HWY

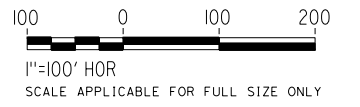
W AVENUE N

MATCH LINE ( UT-C4567 )

MATCH LINE ( UT-C4571 )



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	15"	LACSD	RELOCATE
2	WATER	30"	AVEKWA	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**

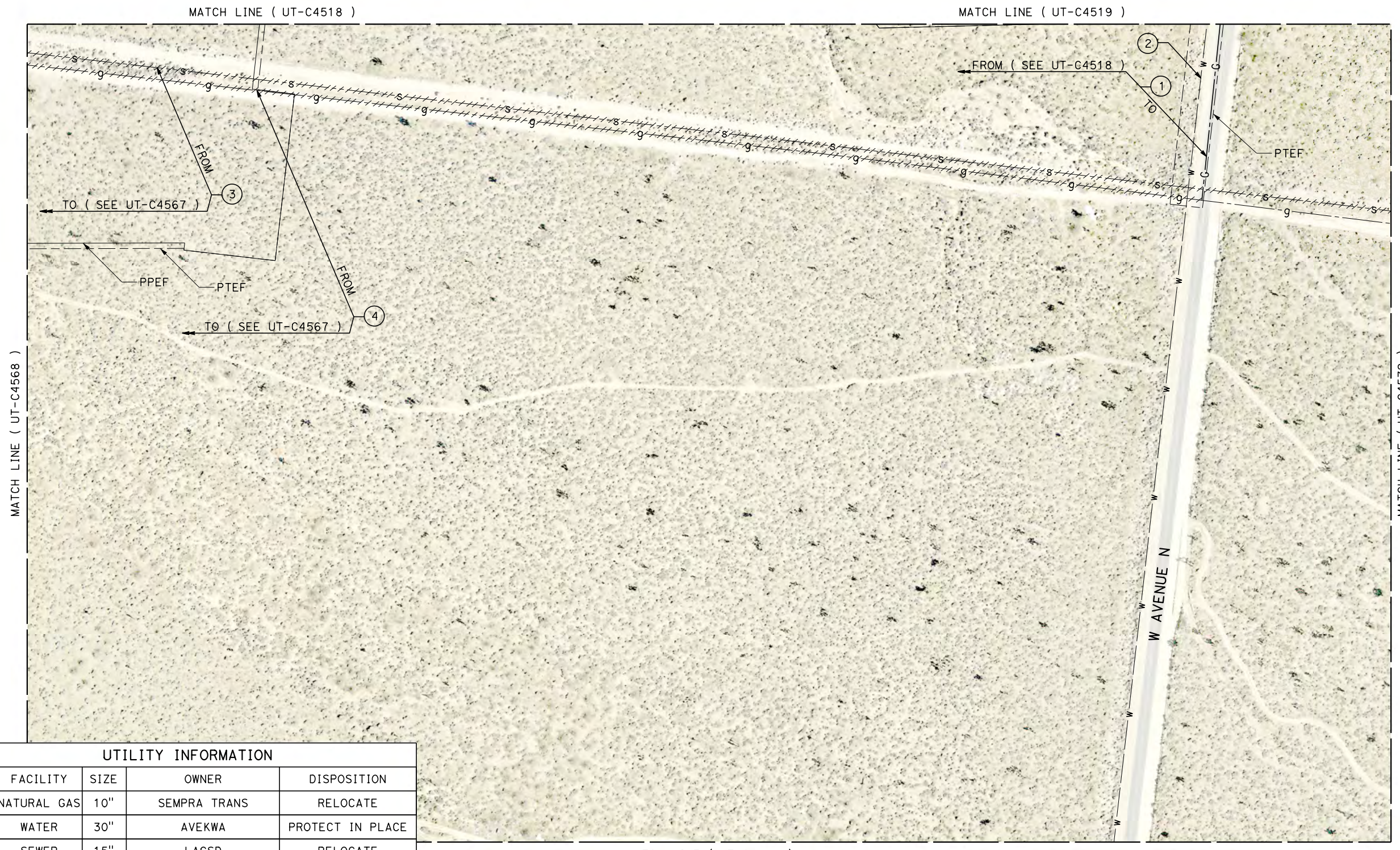
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21170+00 TO 21195+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4569**  
SCALE  
**AS SHOWN**  
SHEET NO.

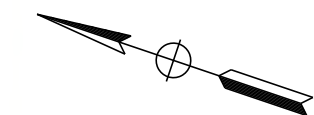


Projects\T01206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\15 (Lancaster A)\BP-UT-C4570.dgn

OIC:ADodge 11/7/2017 4:03:47 PM



UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	NATURAL GAS	10"	SEMPRA TRANS	RELOCATE
2	WATER	30"	AVEKWA	PROTECT IN PLACE
3	SEWER	15"	LACSD	RELOCATE
4	NATURAL GAS	4"	SEMPRA DIST	RELOCATE



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

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 5  
 COMPOSITE UTILITY PLAN  
 STA 21170+00 TO 21195+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4570**

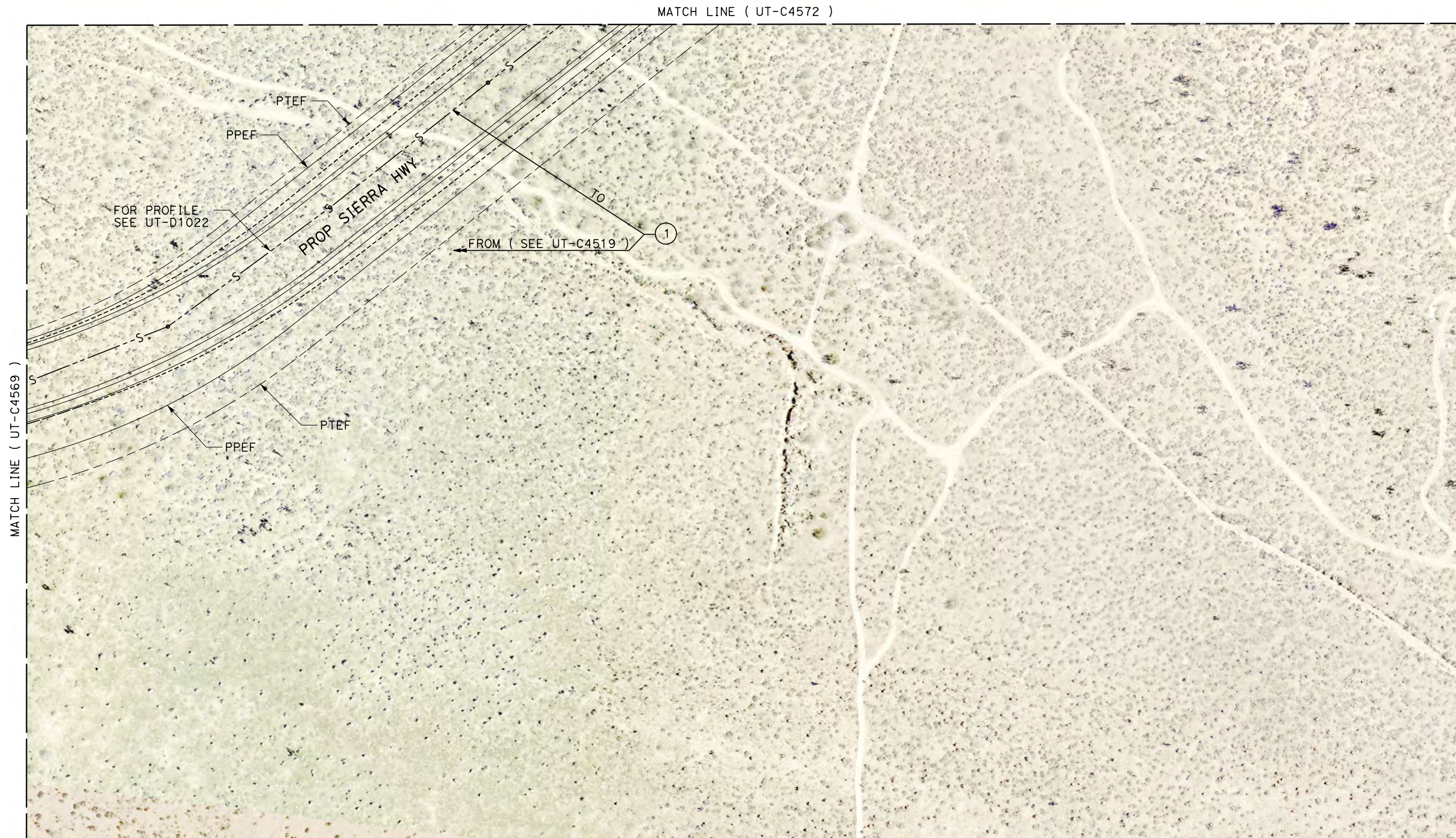
SCALE  
**AS SHOWN**

SHEET NO.

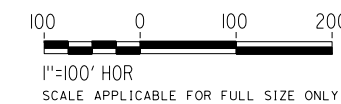
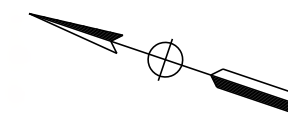


Projects\T01206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\15 (Lancaster A)\BP-UT-C4571.dgn

OIC:ADodge 11/7/2017 4:04:42 PM



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**

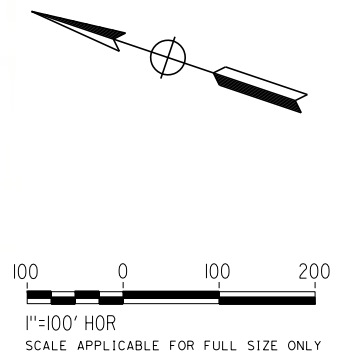
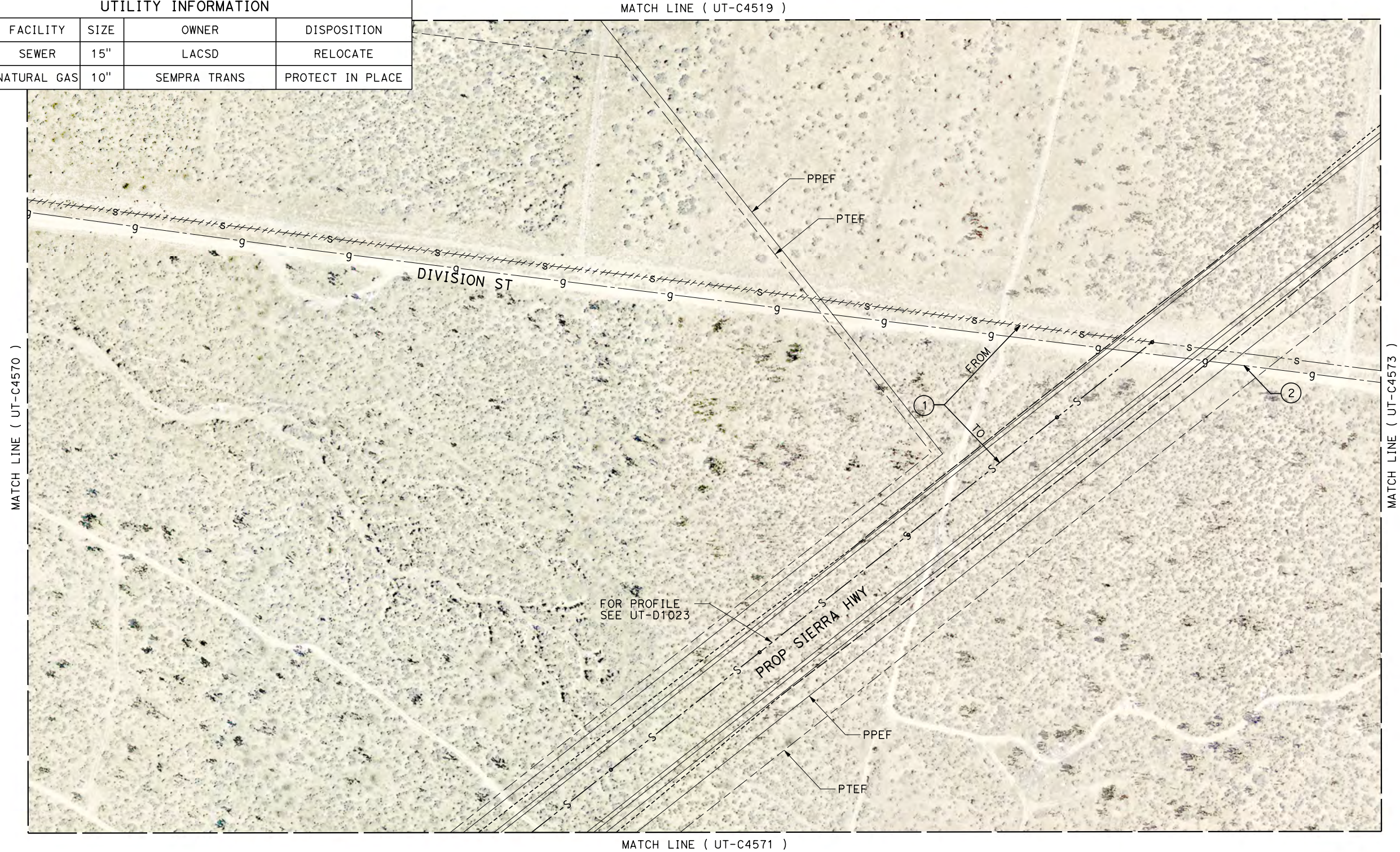
ALTERNATIVE 5  
COMPOSITE UTILITY PLAN  
STA 21195+00 TO 21220+00

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-C4571**  
SCALE  
**AS SHOWN**  
SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\1\15 (Lancaster A)\BP-UT-C4572.dgn

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	SEWER	15"	LACSD	RELOCATE
2	NATURAL GAS	10"	SEMPRA TRANS	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 5  
COMPOSITE UTILITY PLAN  
STA 21195+00 TO 21220+00

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-C4572**

SCALE  
**AS SHOWN**

SHEET NO.



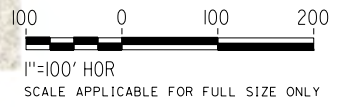
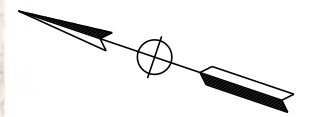
Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\A1\15 (Lancaster A)\BP-UT-C4573.dgn

OIC:ADodge 11/7/2017 4:05:10 PM

MATCH LINE ( UT-C4520 )



MATCH LINE ( UT-C4572 )



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 5  
COMPOSITE UTILITY PLAN  
STA 21220+00 TO 21245+00

CONTRACT NO.  
HSR13-44

DRAWING NO.  
UT-C4573

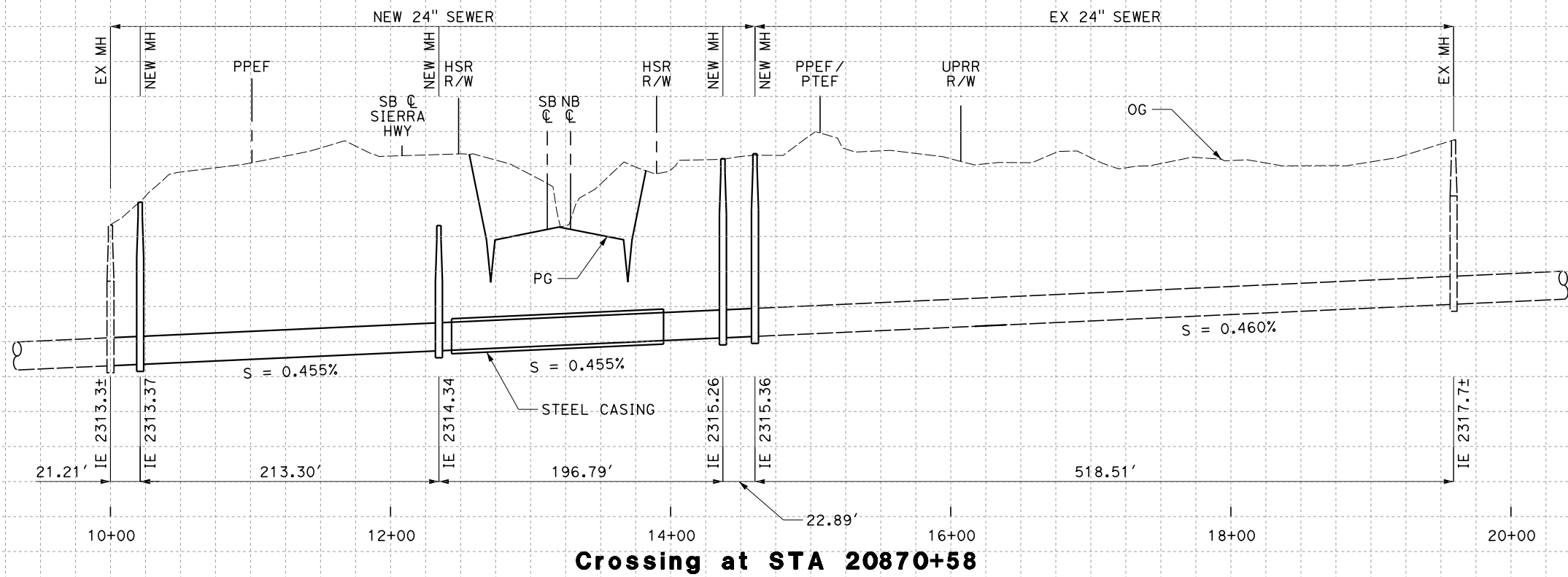
SCALE  
AS SHOWN

SHEET NO.

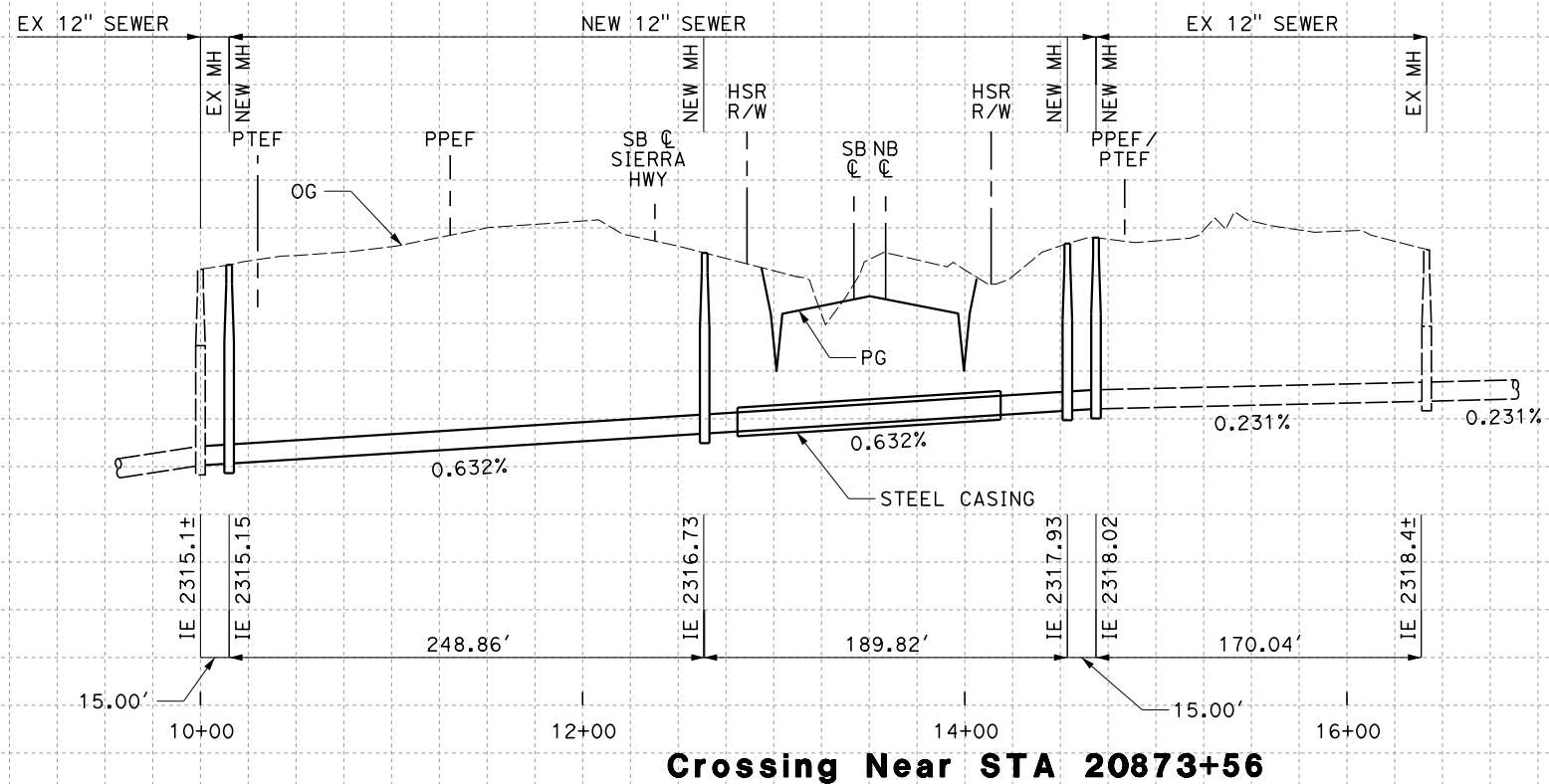


Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\ALT5 (SP)\BP-UT-D1011.dgn

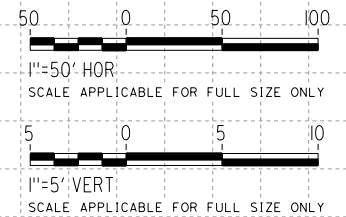
OIC:Adodge 11/7/2017 4:03:48 PM



**Crossing at STA 20870+58**



**Crossing Near STA 20873+56**



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**

**TYLIN INTERNATIONAL**

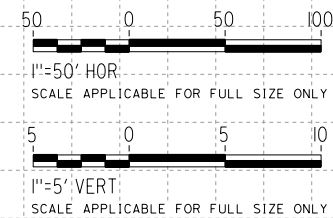


**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

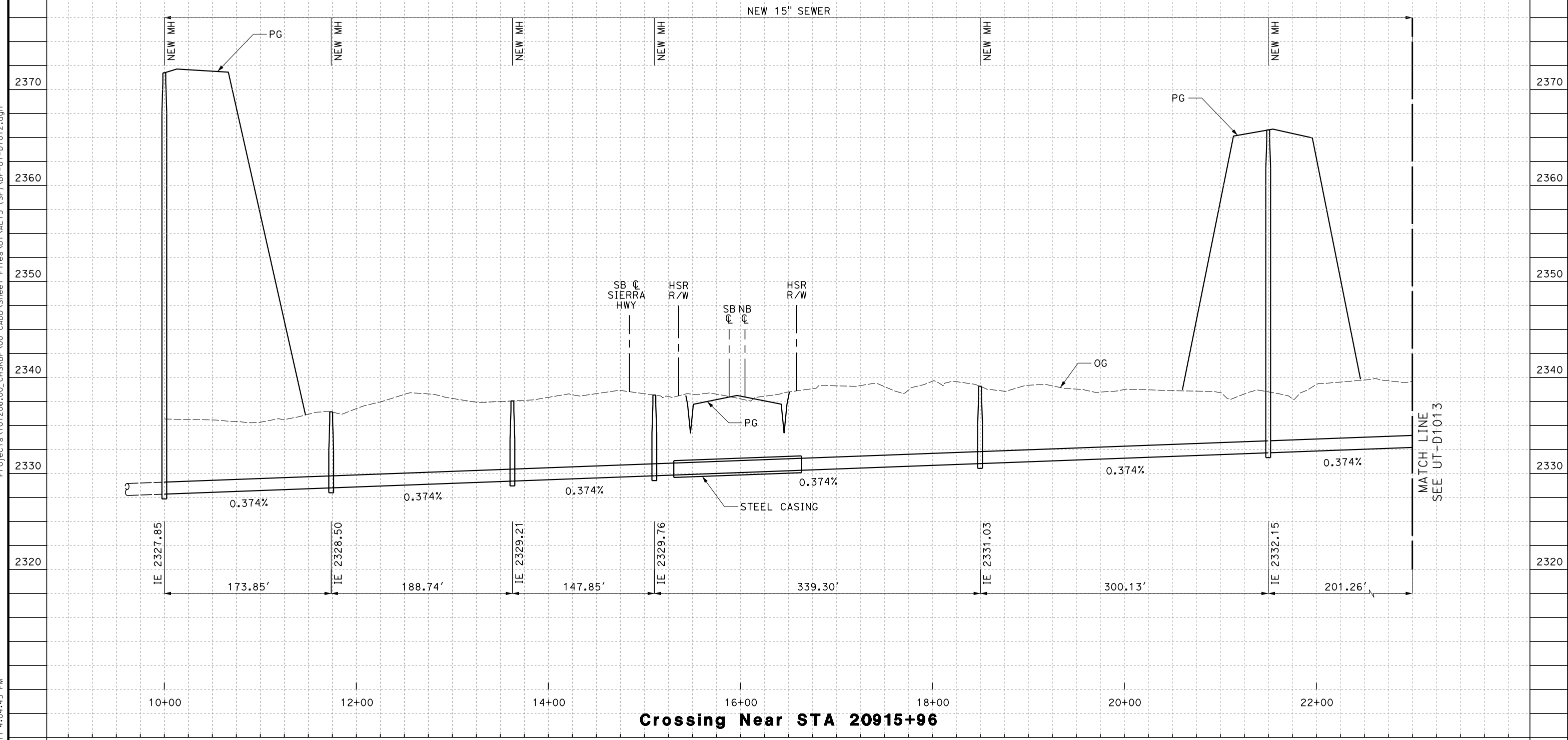
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
BAKERSFIELD TO PALMDALE**  
LANCASTER SUBSECTION  
ALTERNATIVE 5  
SEWER RELOCATIONS  
PROFILES

CONTRACT NO.  
**HSR13-44**  
DRAWING NO.  
**UT-D1011**  
SCALE  
**AS SHOWN**  
SHEET NO.





Projects\T01206\00\_CHSRBP\00\_CADD\Sheet Files\UT\ALT5 (SP)\BP-UT-D1012.dgn  
11/7/2017 4:04:45 PM  
OIC:Adodge



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**

LANCASTER SUBSECTION  
ALTERNATIVE 5  
SEWER RELOCATIONS  
PROFILES

CONTRACT NO.  
HSR13-44

DRAWING NO.  
UT-D1012

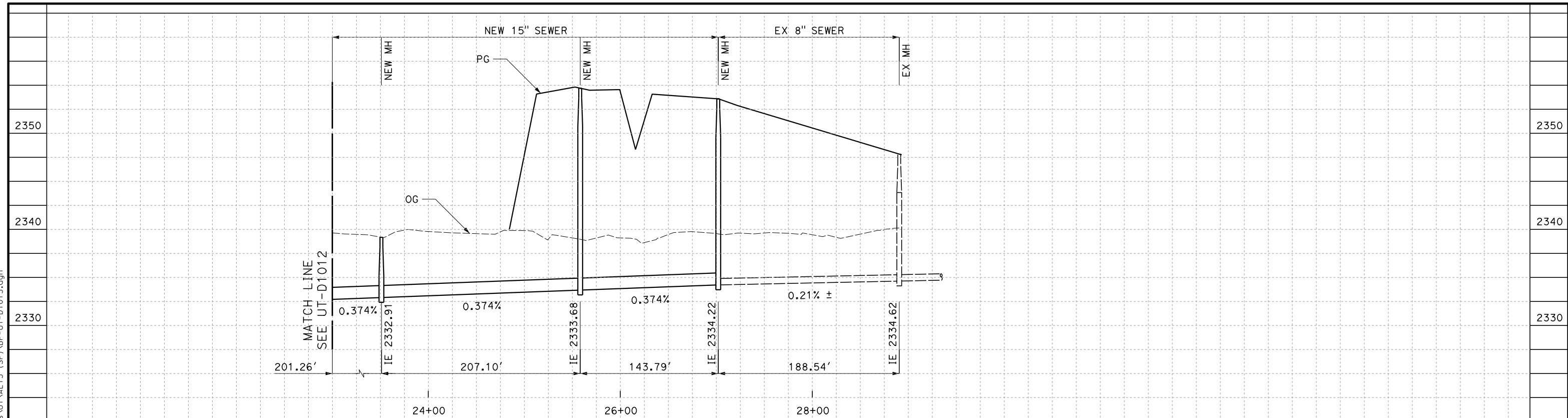
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AS SHOWN

SHEET NO.

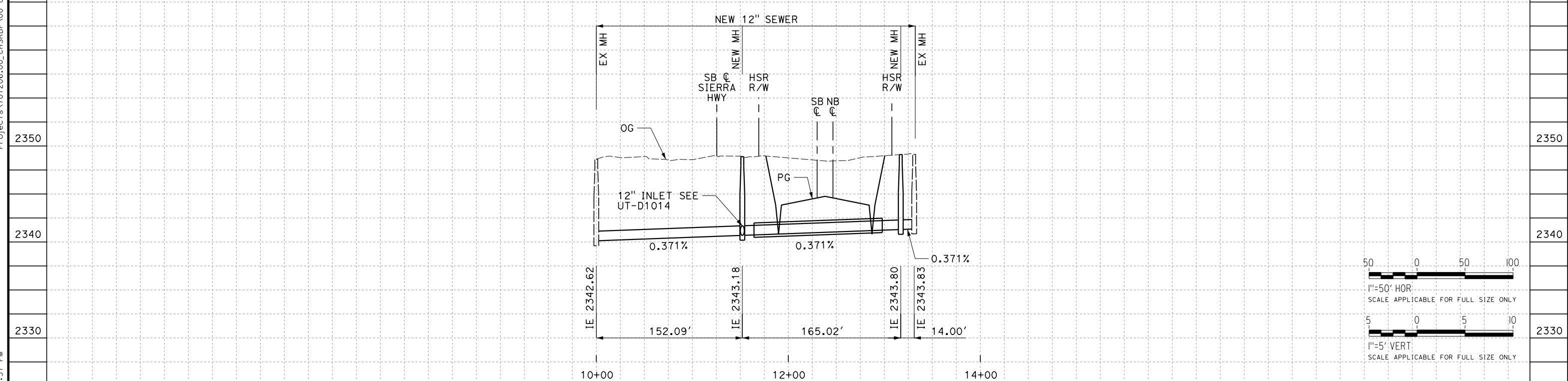


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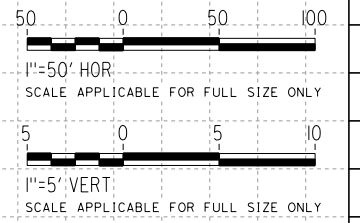
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**Crossing at STA 20915+96**



**LANCASTER BLVD Crossing at STA 20934+53**



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**

LANCASTER SUBSECTION  
ALTERNATIVE 5  
SEWER RELOCATIONS  
PROFILES

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-D1013**

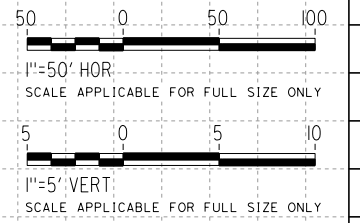
SCALE  
**AS SHOWN**

SHEET NO.



Projects\701206\00\_CHSRBP\00\_CADD\Sheet Files\UT\ALT5 (SP)\BP-UT-D1014.dgn

OIC:Adodge 11/7/2017 4:05:09 PM



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**

LANCASTER SUBSECTION  
ALTERNATIVE 5  
SEWER RELOCATIONS  
PROFILES

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-D1014**

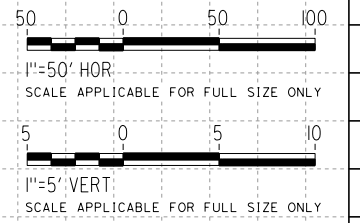
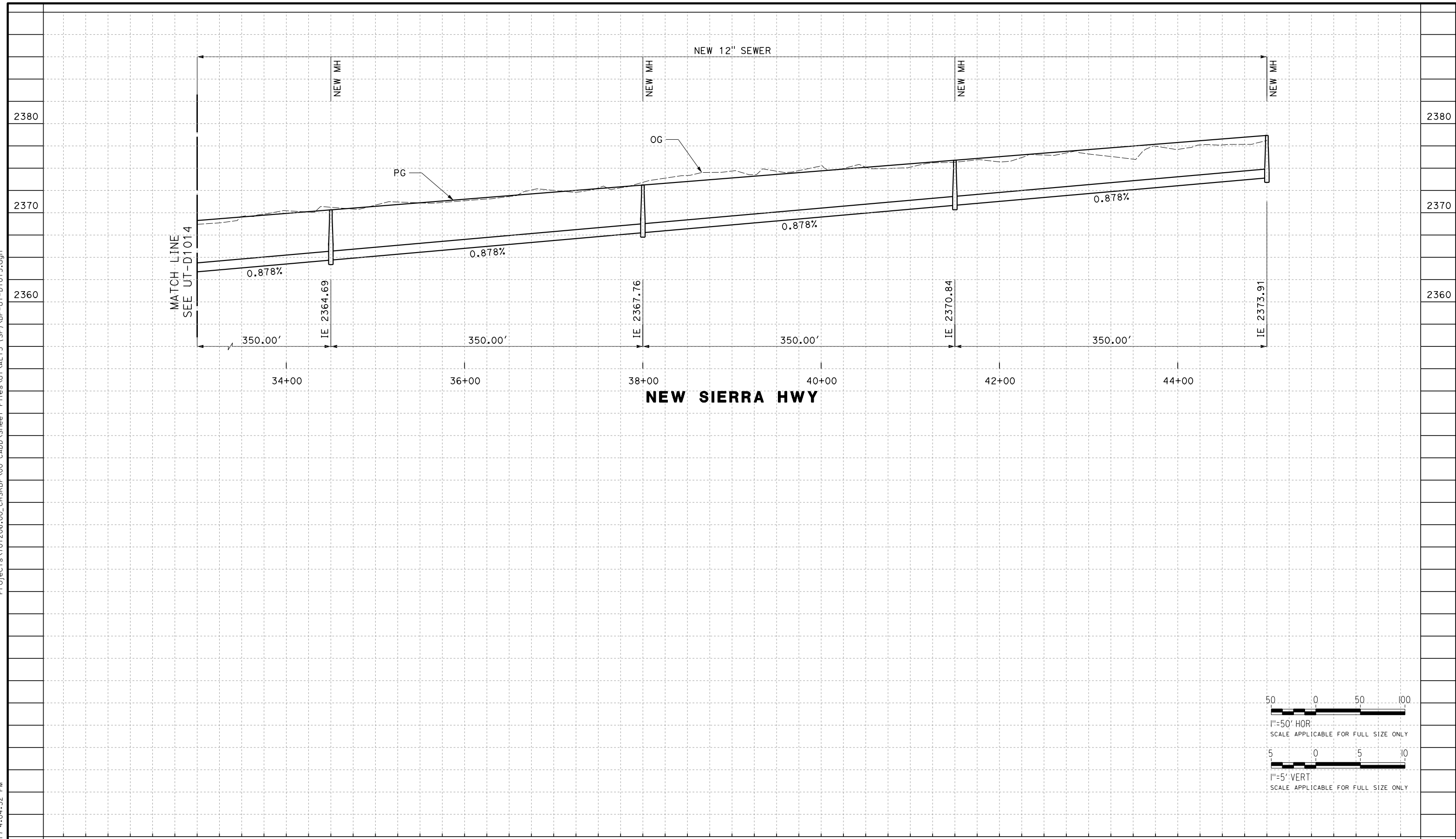
SCALE  
**AS SHOWN**

SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\ALT5 (SP)\BP-UT-D1015.dgn

OIC:Adodge 11/7/2017 4:04:32 PM



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**

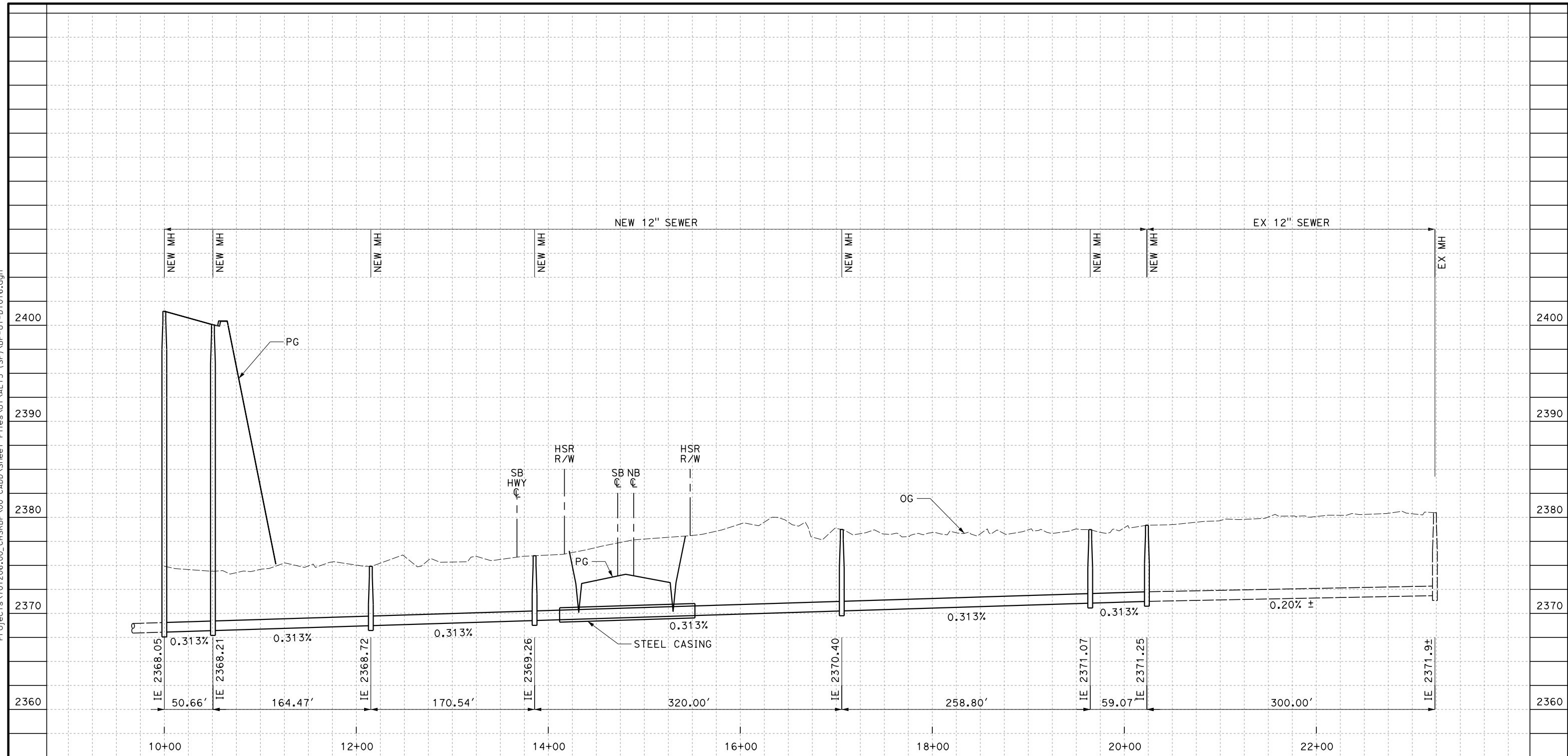
LANCASTER SUBSECTION  
ALTERNATIVE 5  
SEWER RELOCATIONS  
PROFILES

CONTRACT NO.  
HSR13-44  
DRAWING NO.  
UT-D1015  
SCALE  
AS SHOWN  
SHEET NO.

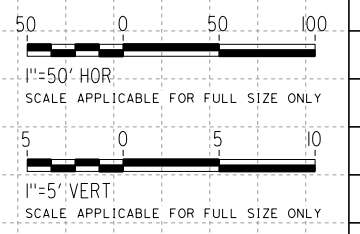


Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\ALT5 (SP)\BP-UT-D1016.dgn

OIC:Adodge 11/7/2017 4:05:50 PM



**AVE J at STA 20969+40**



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**

LANCASTER SUBSECTION  
ALTERNATIVE 5  
SEWER RELOCATIONS  
PROFILES

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
**UT-D1016**

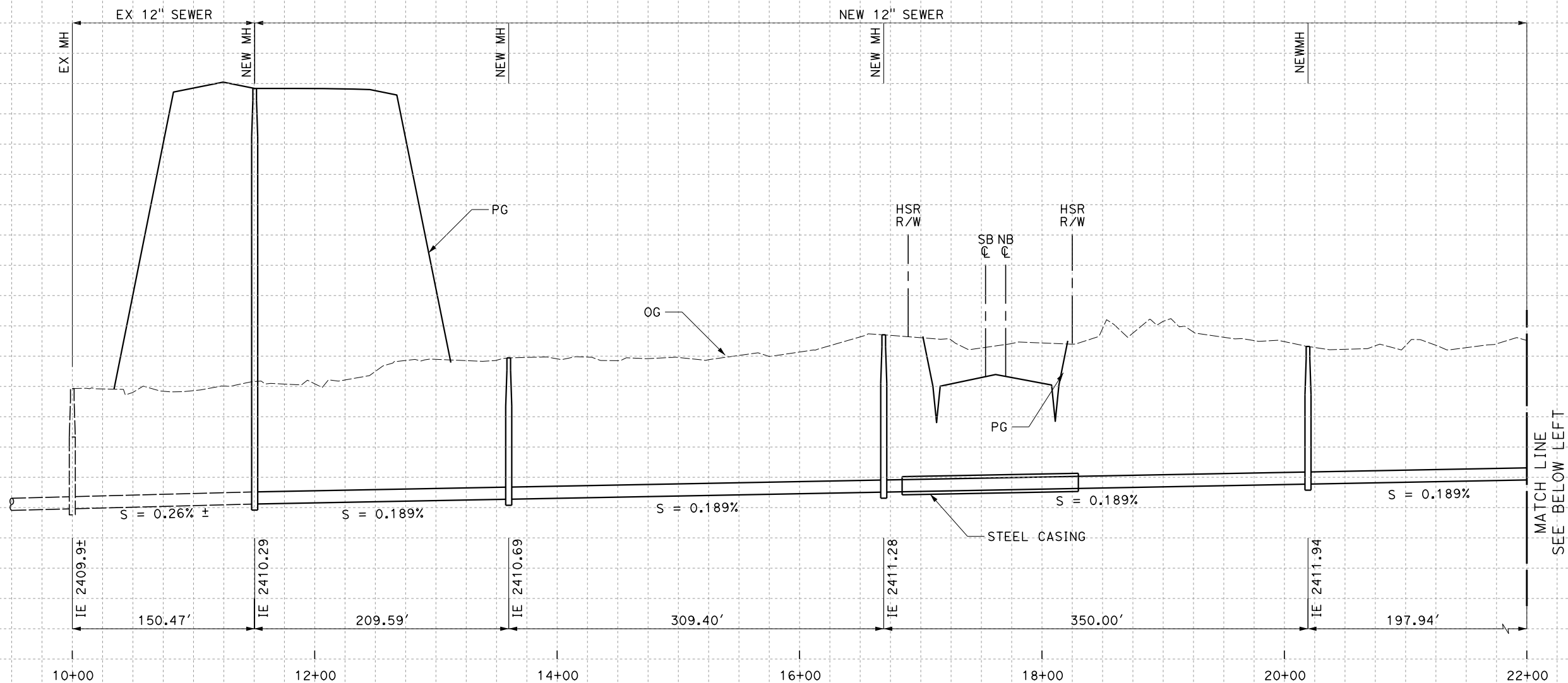
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SHEET NO.

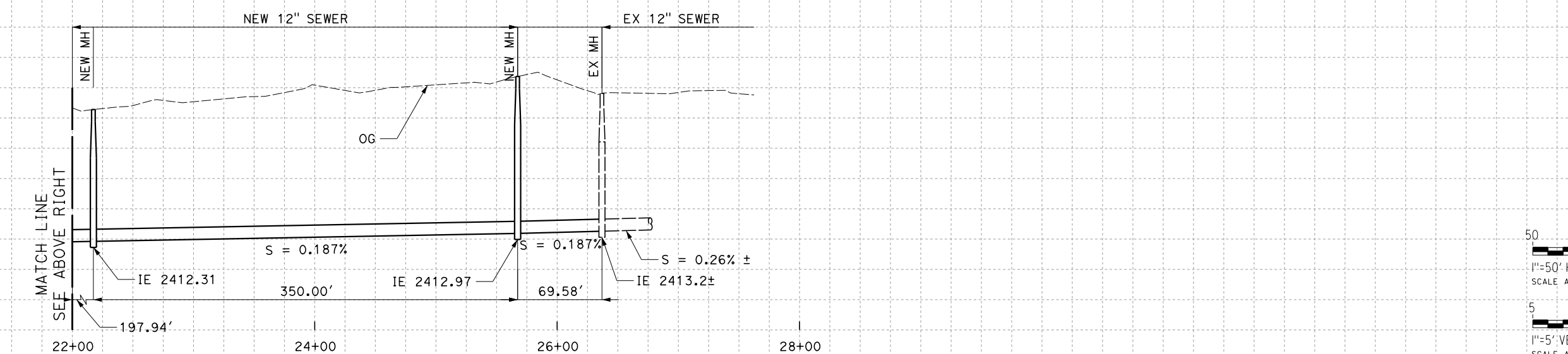


Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\ALT5 (SP)\BP-UT-D1017.dgn

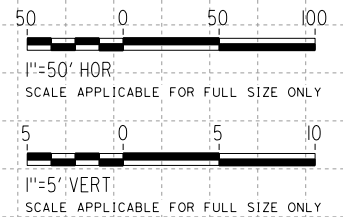
OIC: Adodge 11/7/2017 4:05:00 PM



**Ave K Crossing at STA 21022+26**



**Ave K Crossing at STA 21022+26**



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**

LANCASTER SUBSECTION  
ALTERNATIVE 5  
SEWER RELOCATIONS  
PROFILES

CONTRACT NO.  
**HSR13-44**

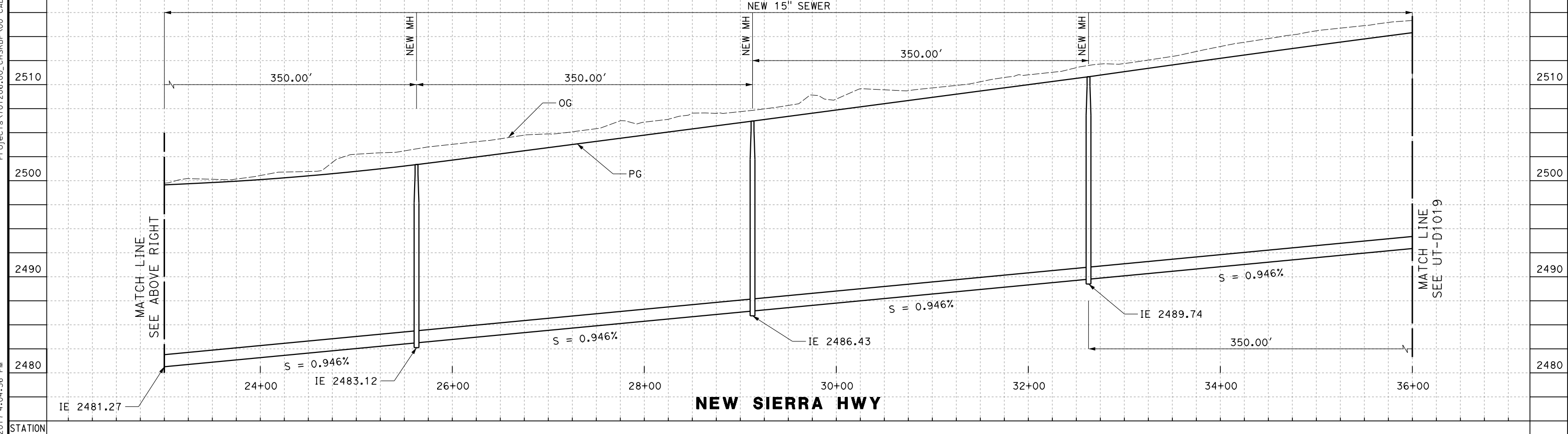
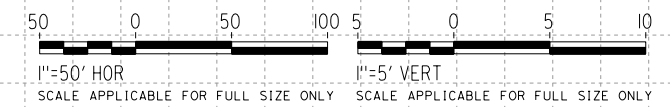
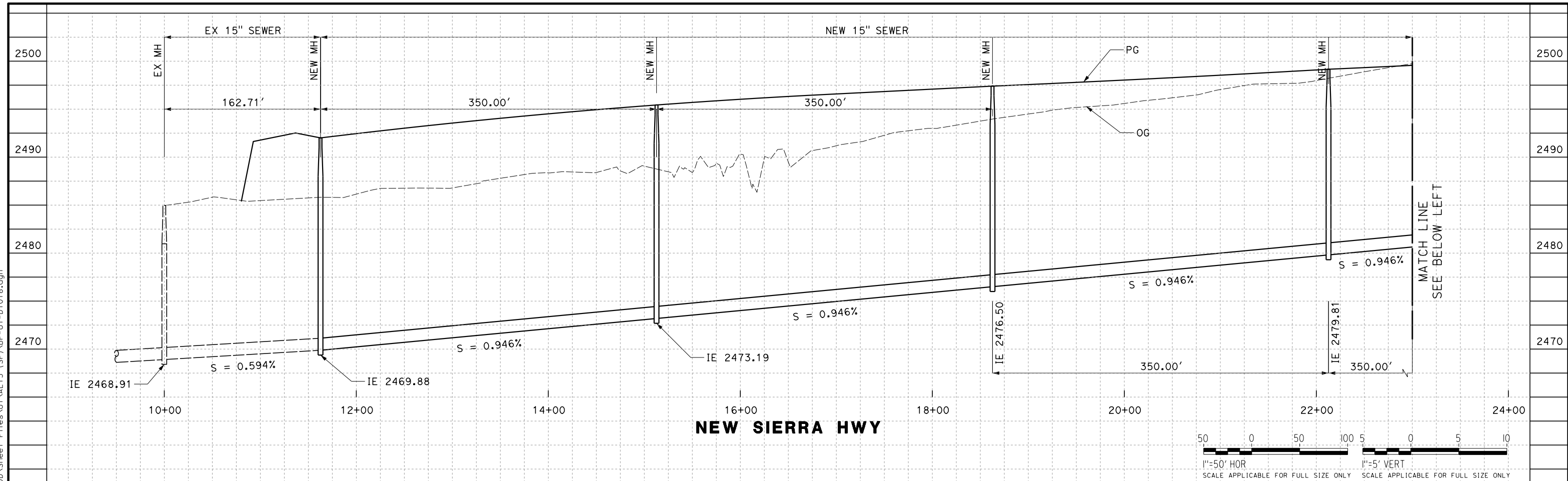
DRAWING NO.  
**UT-D1017**

SCALE  
**AS SHOWN**

SHEET NO.



11/7/2017 4:04:36 PM OIC:Adodge  
 Projects\T01206.00\_CHSRBP\00\_CADD\Sheet Files\UT\ALT5 (SP)\BP-UT-D1018.dgn



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  
 PECD  
 SUBMITTAL**  
  
**NOT FOR  
 CONSTRUCTION**



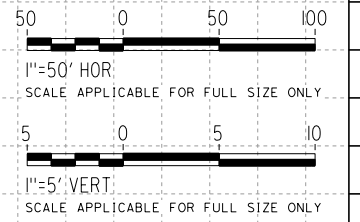
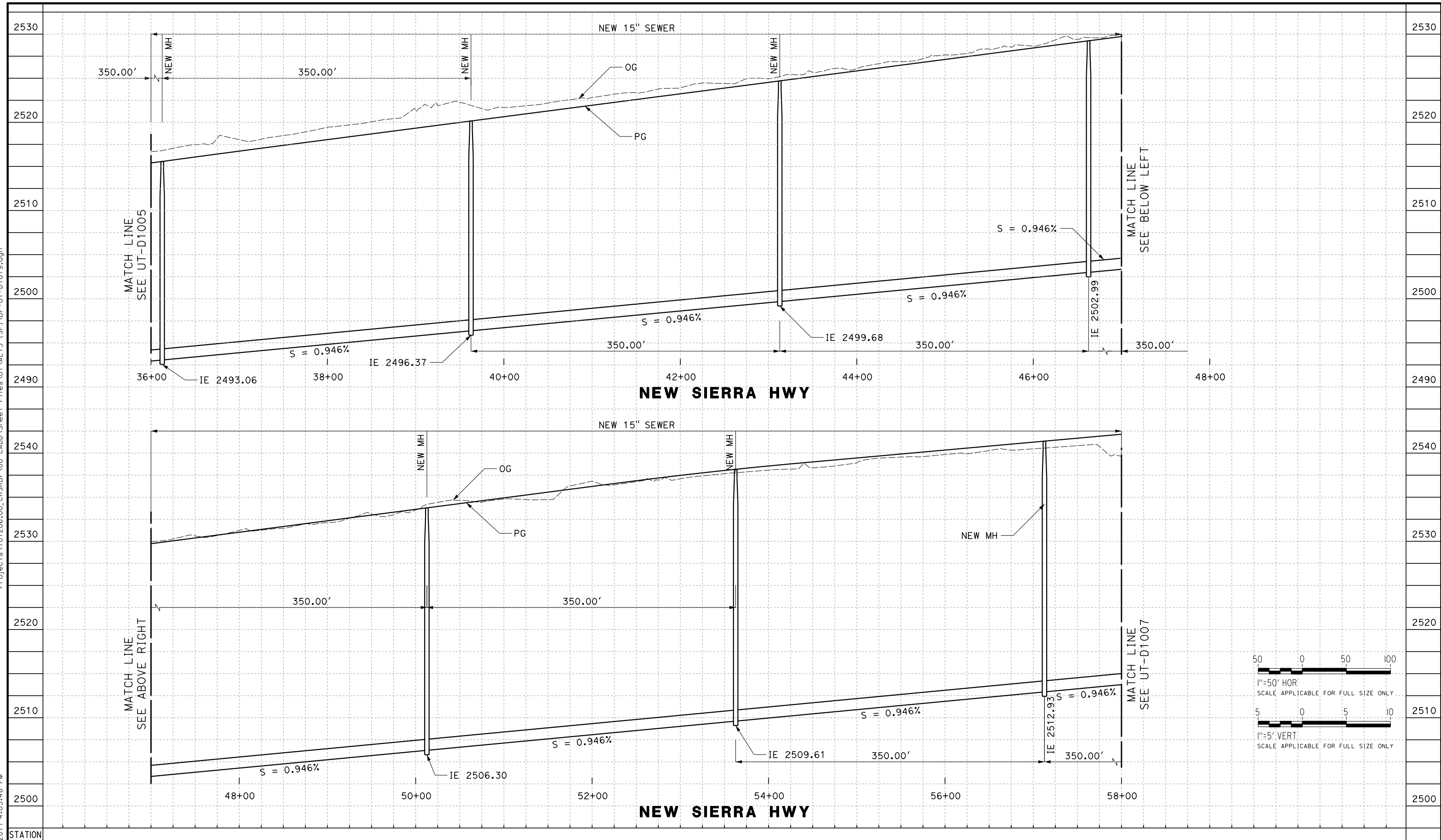
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 LANCASTER SUBSECTION  
 ALTERNATIVE 5  
 SEWER RELOCATIONS  
 PROFILES

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-D1018**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



Projects\701206.00\_CHSRBP\00\_CADD\Sheet Files\UT\ALT5 (SP)\BP-UT-D1019.dgn

OIC:Adodge 11/7/2017 4:05:48 PM



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**



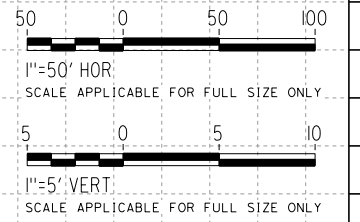
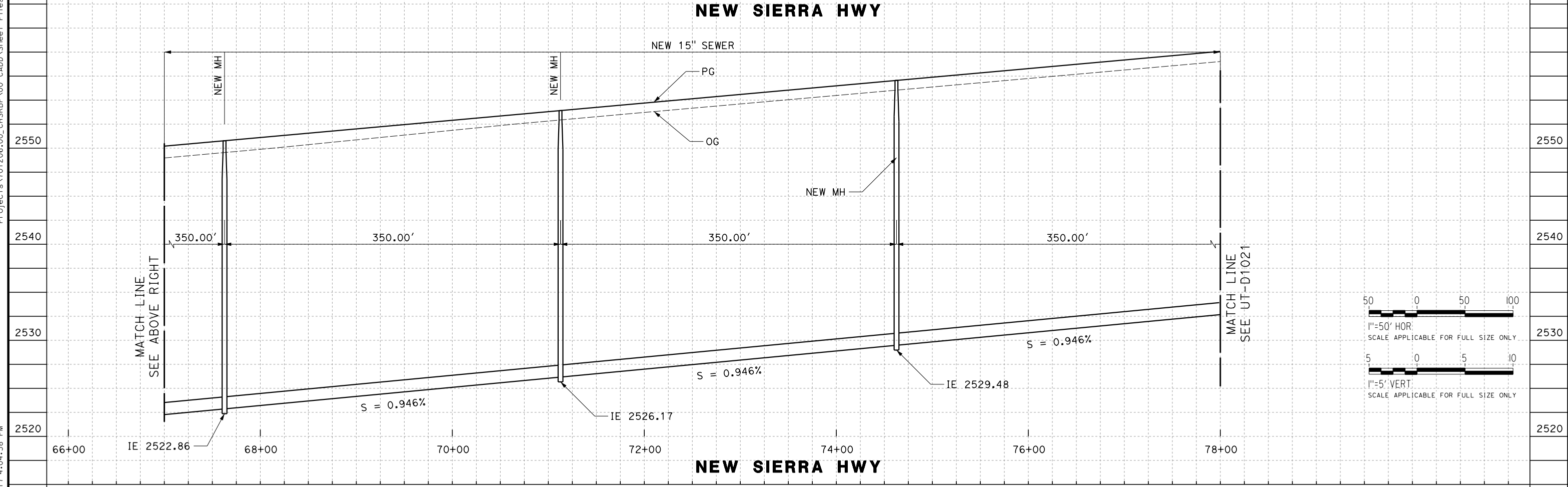
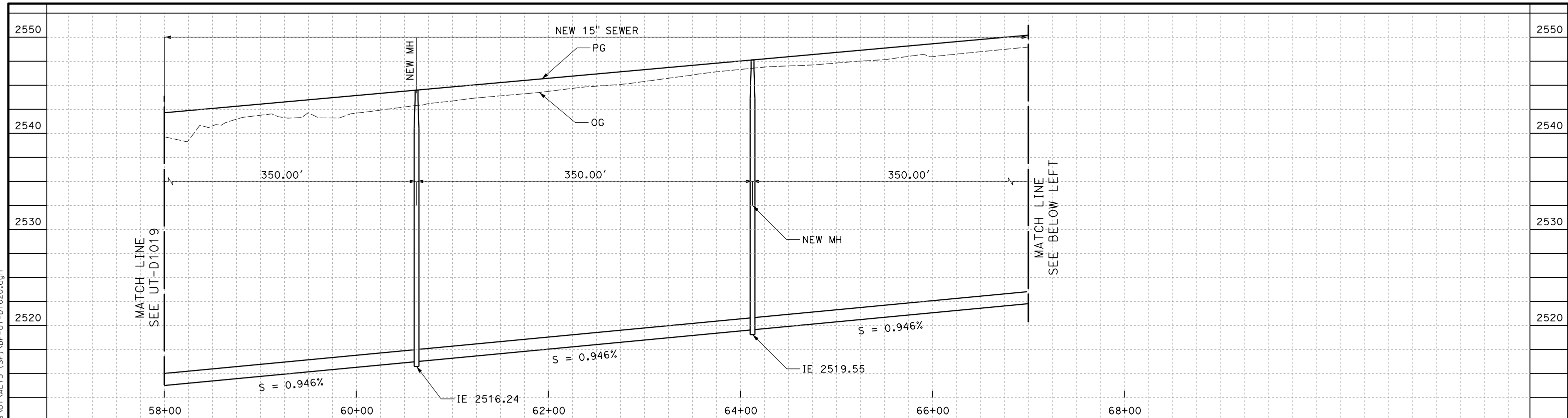
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 LANCASTER SUBSECTION  
 ALTERNATIVE 5  
 SEWER RELOCATIONS  
 PROFILES

CONTRACT NO.  
**HSR13-44**  
 DRAWING NO.  
**UT-D1019**  
 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**

**NOT FOR  
CONSTRUCTION**



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

LANCASTER SUBSECTION  
ALTERNATIVE 5  
SEWER RELOCATIONS  
PROFILES

CONTRACT NO.  
**HSR13-44**

DRAWING NO.  
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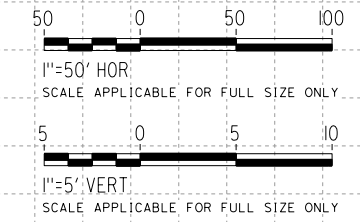
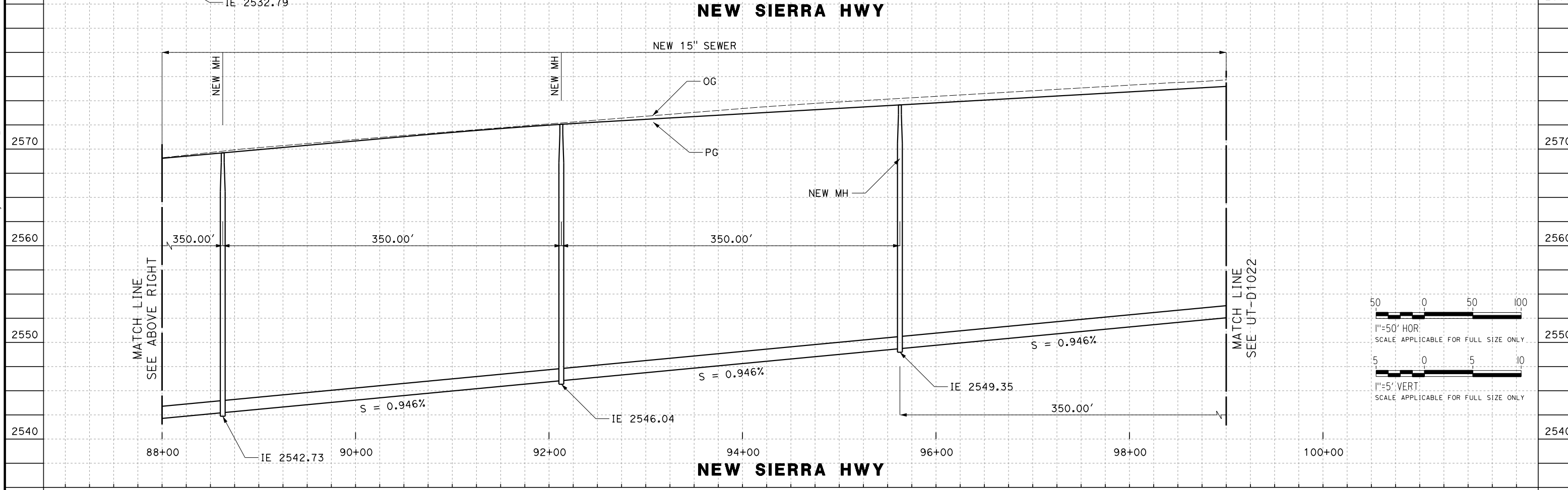
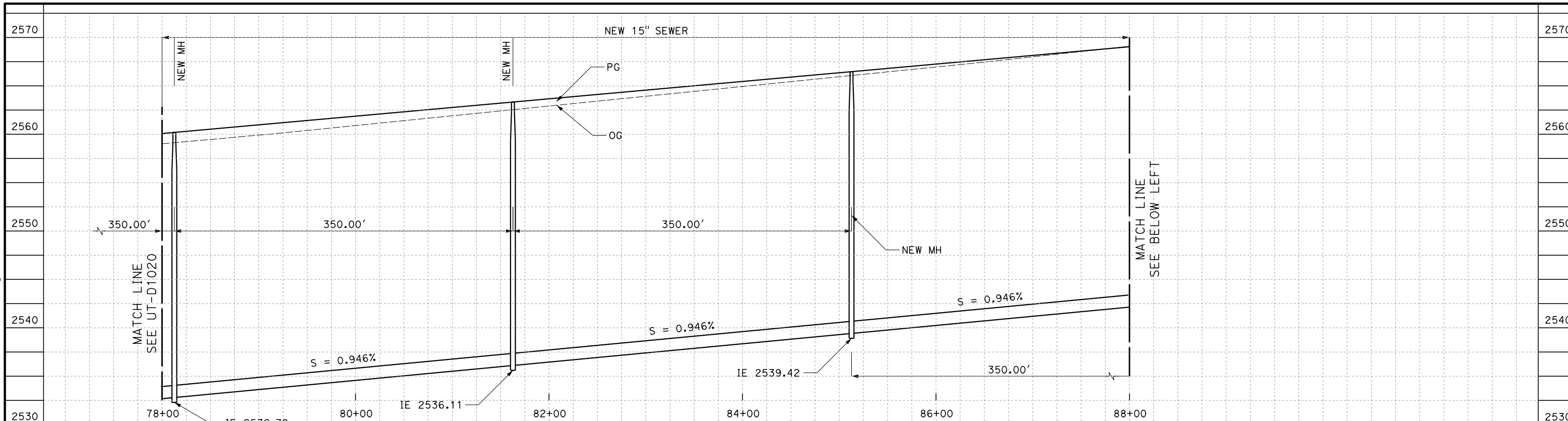
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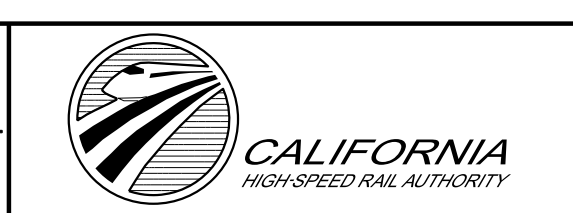


REV	DATE	BY	CHK	APP	DESCRIPTION

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

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

LANCASTER SUBSECTION  
ALTERNATIVE 5  
SEWER RELOCATIONS  
PROFILES

CONTRACT NO.  
**HSR13-44**

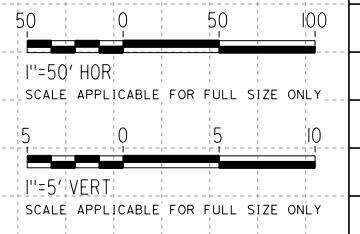
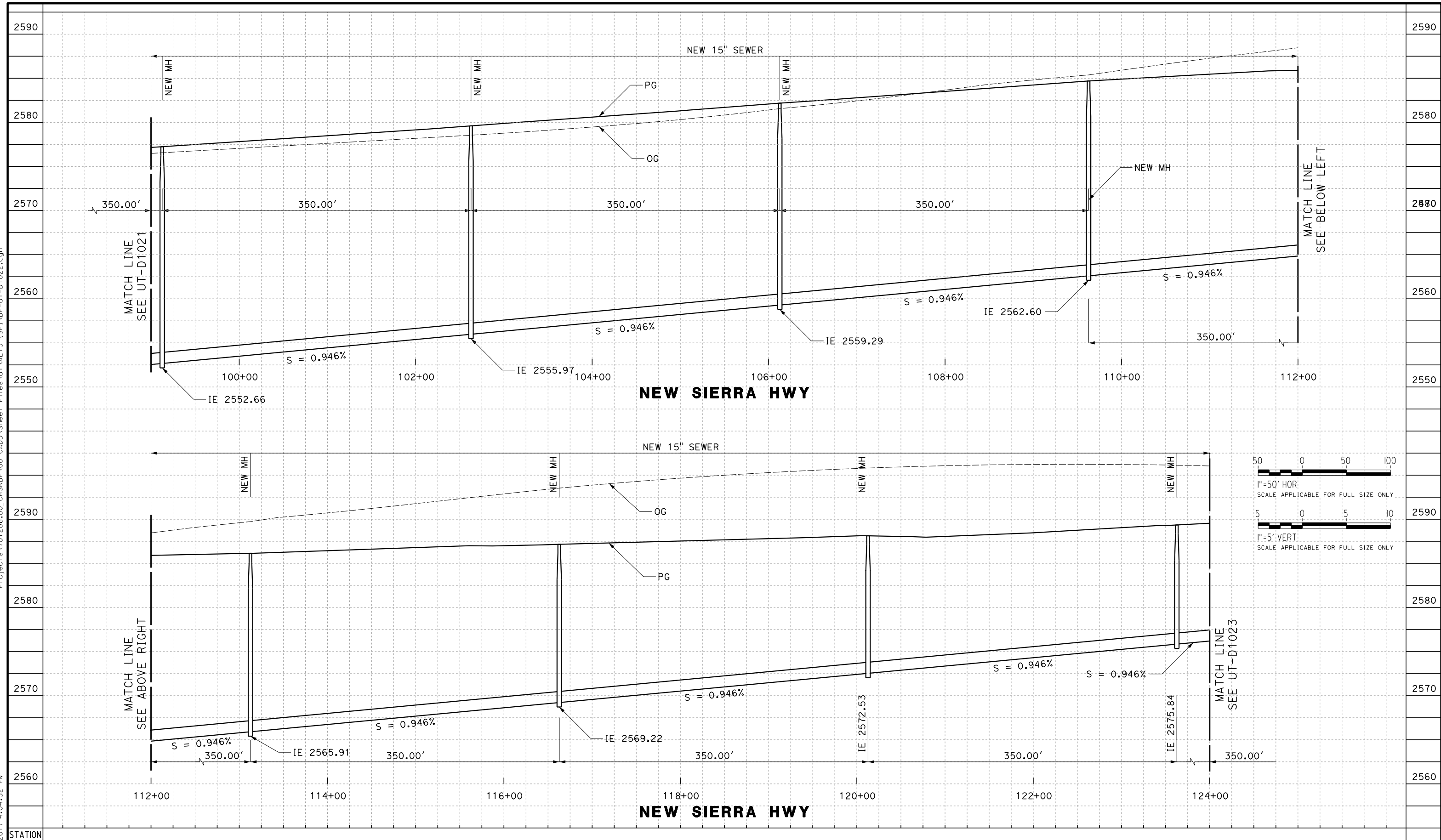
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SCALE  
**AS SHOWN**

SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

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

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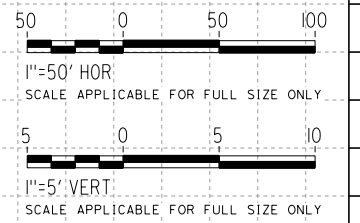
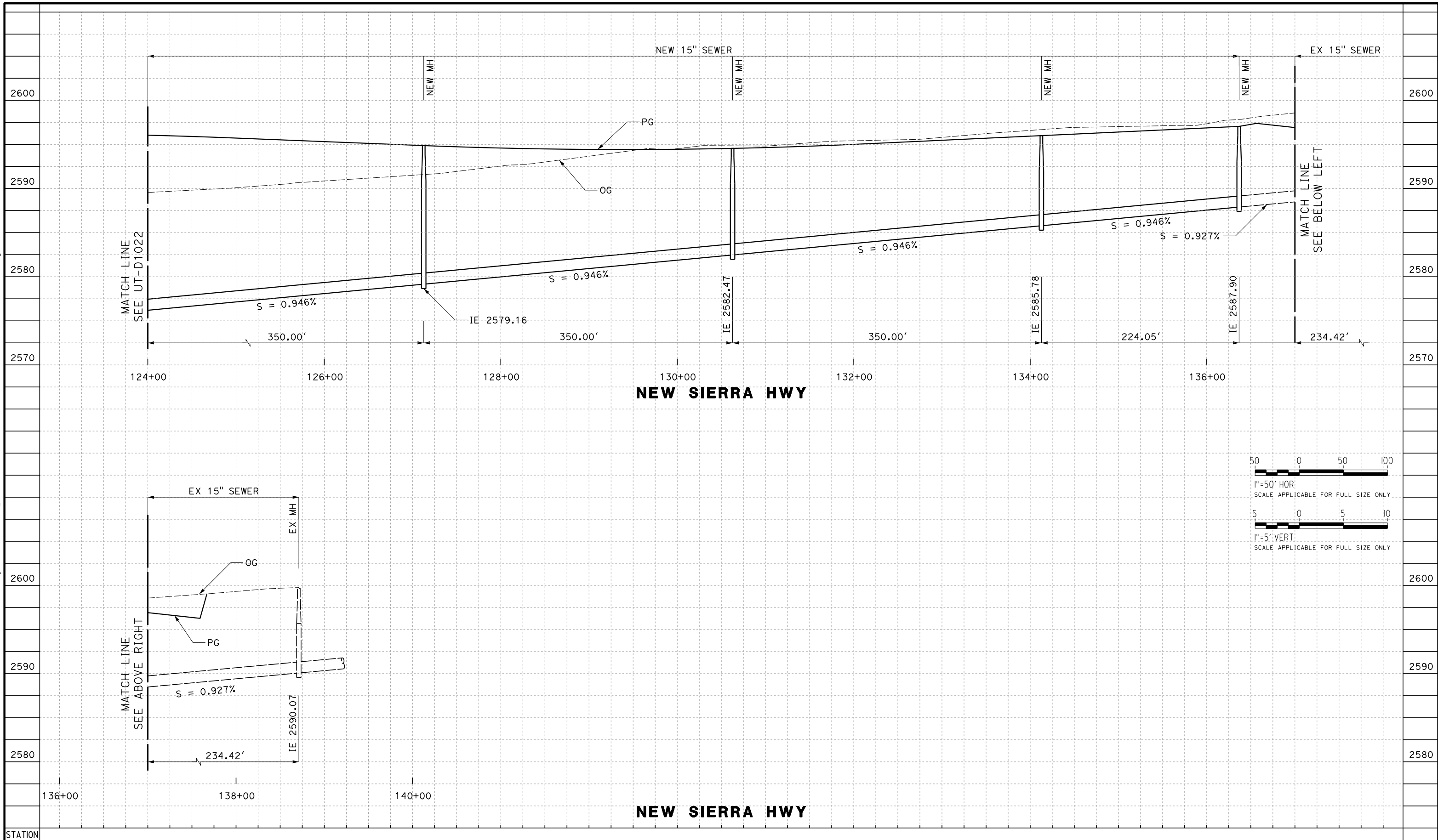
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**BAKERSFIELD TO PALMDALE**  
 LANCASTER SUBSECTION  
 ALTERNATIVE 5  
 SEWER RELOCATIONS  
 PROFILES

CONTRACT NO.  
**HSR13-44**  
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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**

LANCASTER SUBSECTION  
ALTERNATIVE 5  
SEWER RELOCATIONS  
PROFILES

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UT-D1023  
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AS SHOWN  
SHEET NO.