

LEGEND AND SYMBOLS (CONTINUED)

LEGEND AND SYMBOLS

EXISTING	NEW	DESCRIPTION
---e---	---E---	ELECTRICAL UNDERGROUND
---e---(oh)	---E---(OH)	ELECTRICAL OVERHEAD
---gs---	---GS---	GAS
---g---	---G---	NATURAL GAS
---irr---	---IRR---	IRRIGATION
---o---	---O---	OIL
---sd---	---SD---	STORM DRAIN
---s---	---S---	SEWER
---st---	---ST---	STEAM
---tc---(oh)	---TC---(OH)	TELECOMMUNICATION OVERHEAD
---tc---	---TC---	TELECOMMUNICATION UNDERGROUND
---t---(oh)	---T---(OH)	TELEPHONE OVERHEAD
---t---	---T---	TELEPHONE UNDERGROUND
---tv---(oh)	---TV---(OH)	TELEVISION OVERHEAD
---tv---	---TV---	TELEVISION UNDERGROUND
---w---	---W---	WATER, RECYCLED WATER
---fo---	---FO---	FIBER OPTIC
		IRRIGATION WELL, WEIR, TURNOUT, PUMP
		SEWER, STORM DRAIN MANHOLE
		UTILITY POLE
		POWER TRANSMISSION TOWER
		STREET LIGHT
		NORTH ARROW
		PROP CHSR RIGHT-OF-WAY
		CHSR TRACK CENTER LINE
		RETAINING WALL
		TOP OF CUT GRADING LINE
		TOE OF SLOPE GRADING LINE
		STRUCTURE FOUNDATION
		PTEF
		PPEF
		UTILITY TO BE REMOVED, RELOCATED, OR ABANDONED
		RETENTION BASIN
		KEY NOTE, UTILITY NUMBER
		SOLAR FARM
		WIND TURBINE

	PARALLELING STATION
	SUBSTATION
	AUTOMATIC TRAIN CONTROL SYSTEM SITE D

ABBREVIATIONS

AB	AGGREGATE BASE	FH	FIRE HYDRANT	R	RADIUS
ABN	ABANDON	FM	FORCE MAIN	RCP	REINFORCED CONCRETE PIPE
AC	ASPHALT CONCRETE	F-B	FRESNO TO BAKERSFIELD	RD	ROAD
ACB	ASPHALT CONCRETE BASE	FO	FIBER OPTIC	RDWY	ROADWAY
ACP	ASBESTOS CEMENT PIPE	FUT	FUTURE	REQD	REQUIRED
A/G	AT GRADE			RR	RAILROAD
ALT	ALTERNATIVE	G	GAS	RT	RIGHT
APPROX	APPROXIMATE	GALV	GALVANIZED	RTE	ROUTE
AVE	AVENUE	GB	GRADE BREAK	R/W, ROW	RIGHT-OF-WAY
		GIS	GEOGRAPHICAL INFORMATION SYSTEM	RWY	RAILWAY
BEG	BEGIN	GND	GROUND	S	SOUTH
BFSSA	BAKERSFIELD F STREET STATION ALIGNMENT	GTR	GUTTER	SB	SOUTHBOUND
BLDG	BUILDING	GV	GAS VALVE	SD	STORM DRAIN
BLVD	BOULEVARD	GWTR	GROUNDWATER	SDMH	STORM DRAIN MANHOLE
BNSF	BURLINGTON NORTHERN SANTA FE	GWMW	GROUNDWATER MONITOR WELL	SF	SQUARE FEET
BO	BLOW-OFF	GWAW	GROUNDWATER ACTIVE WELL	SHLD	SHOULDER
B-P	BAKERSFIELD TO PALMDALE			SR	STATE ROUTE
		HOR	HORIZONTAL	SS	SANITARY SEWER, SUPPLY STATION
CB	CATCH BASIN	HSR	HIGH-SPEED RAIL	SSMH	SANITARY SEWER MANHOLE
CD	CURB DRAIN	HST	HIGH-SPEED TRAIN	ST	STREET
C&G	CURB AND GUTTER	HV	HIGH VOLTAGE	STA	STATION
CHSR	CALIFORNIA HIGH-SPEED RAIL			SW	SIDEWALK, SWITCHING STATION
CHST	CALIFORNIA HIGH-SPEED TRAIN	IN	INCH	SWR	SEWER
CIP	CAST IRON PIPE	INV	INVERT		
CL	CENTERLINE, CLASS	IRR	IRRIGATION	T	TELEPHONE, TOTAL
CL	CENTERLINE			TBD	TO BE DETERMINED
CLSM	CONTROLLED LOW STRENGTH MATERIAL	L	LENGTH	TC	TELECOMMUNICATION
CPUC	CALIFORNIA PUBLIC UTILITIES COMMISSION	LAN	LANCASTER	TCE	TEMPORARY CONSTRUCTION EASEMENT
CMP	CORRUGATED METAL PIPE	LT	LEFT	TEL	TELEPHONE
CTV	CABLE TELEVISION	MAX	MAXIMUM	TP	TRACTION POWER
CV	CURVE	MIN	MINIMUM	TOR	TOP OF RAIL
		N	NORTH, NEW	TRANS	TRANSMISSION
D	DEPTH	NA	NOT APPLICABLE	TS	TRAFFIC SIGNAL
DI	DRAINAGE INLET	NB	NORTHBOUND	TYP	TPICAL
DIA	DIAMETER	NIC	NOT IN CONTRACT		
DIP	DUCTILE IRON PIPE	NO	NUMBER	UG, U/G	UNDERGROUND
DIST	DISTANCE, DISTRIBUTION	NTS	NOT TO SCALE	UNK	UNKNOWN
DWG	DRAWING	OCS	OVERHEAD CONTACT SYSTEM	UPRR	UNION PACIFIC RAILROAD
E	ELECTRICAL, EAST			VAR	VARIES
EB	EASTBOUND	PROP, (P)	PROPOSED	VC	VERTICAL CURVE
EDSN	EDISON	PED	PEDESTRIAN	VCP	VITRIFIED CLAY PIPE
EL	ELEVATION	PPEF	PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT		
ELEC	ELECTRIC			W	WEST, WATER
EP	EDGE OF PAVEMENT	PS	PARALLELING STATION	W/	WITH
EXIST, (E)	EXISTING	PTEF	PROPOSED TEMPORARY ENVIRONMENTAL FOOTPRINT	WB	WESTBOUND
				WM	WATER MAIN
		PVC	POLYVINYL CHLORIDE	WV	WATER VALVE
		PVMT	PAVEMENT		
		PG	PROPOSED GRADE		

Projects\701206_00_CHSRBP\00_CADD\CCNM_Option_D\Sheets\UT\BP-UT-B0101 11:14:04 PM 1/12/2021 javier_lopez@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. HOLMAN
DRAWN BY J. LOPEZ
CHECKED BY G. CAMPBELL
IN CHARGE G. CAMPBELL
DATE 01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



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

REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY GENERAL
ABBREVIATIONS AND LEGEND

CONTRACT NO. HSR13-44
DRAWING NO. UT-B0101
SCALE NO SCALE
SHEET NO. 243

UTILITY OWNERS	
OWNER	ABBREVIATION
ANTELOPE VALLEY EAST KERN WATER AGENCY	AVEKWA
APR CORPORATION	APR CORP
ARVIN-EDISON WATER STORAGE DISTRICT	AEWSD
AT&T TRANSMISSION	AT&T TRANS
AT&T/PACBELL	PACBELL
BRIGHT HOUSE NETWORKS	BRIGHTHOUSE
CALIFORNIA WATER SERVICE	CALWATER
CALTRANS	CALTRANS
CENTURYLINK COMMUNICATION CA	CENTURYLINK
CITY OF BAKERSFIELD	CITY OF BAKERSFIELD
CITY OF LANCASTER	CITY OF LANCASTER
CITY OF PALMDALE	CITY OF PALMDALE
CITY OF TEHACHAPI	CITY OF TEHACHAPI
COUNTY OF KERN	COUNTY OF KERN
CVIN LLC	CVIN
DOLE ENTERPRISES	DOLE ENT
EAST NILES COMMUNITY SERVICES DISTRICT	ENCSD
GOLDEN HILLS COMMUNITY SERVICE DISTRICT	GHCSO
KERN DELTA WATER DISTRICT	KDWD
KERN OIL & REFINING	KERN OIL
KERN SANITATION AUTHORITY	KSA
KINDER MORGAN (EL PASO PIPELINE)	EL PASO/KM
KINDER MORGAN (MOJAVE PIPELINE)	MOJAVE/KM
LANDALE MUTUAL WATER COMPANY	LMWC
LEVEL 3 COMMUNICATIONS	LEVEL 3
LOS ANGELES DEPARTMENT OF WATER AND POWER	LADWP
LOS ANGELES COUNTY DEPT OF PUBLIC WORKS - WATER WORKS	LACDPW-WW
LOS ANGELES COUNTY DEPARTMENT OF PARKS AND RECREATION	LACDPR
LOS ANGELES COUNTY SANITATION DISTRICT	LACSD
NAFTEX OPERATING COMPANY	NAFTEX
NEXTERA ENERGY RESOURCES	NEXTERA
PG&E - DISTRIBUTION	PG&E DIST
PG&E - TRANSMISSION	PG&E TRANS
PHILLIPS 66 - TOSCO	PHILLIPS66
ROSAMOND COMMUNITY SERVICE DISTRICT	RCSD
SHELL PIPELINE CO	SHELL
SOUTHERN CALIFORNIA EDISON - TRANSMISSION	SCE TRANS
SOUTHERN CALIFORNIA EDISON - DISTRIBUTION	SCE DIST
SOUTHERN CALIFORNIA GAS CO/SEMPRA - DISTRIBUTION	SEMPRA DIST

UTILITY OWNERS CONT.	
OWNER	ABBREVIATION
SOUTHERN CALIFORNIA GAS CO/SEMPRA - TRANSMISSION	SEMPRA TRANS
SPRINT	SPRINT
SUNESYS, LLC	SUNESYS
TEHACHAPI CUMMINGS WATER	TEHACHAPI CUMMINGS
TIME WARNER	TIME WARNER
UNITED STATES BUREAU OF RECLAMATION	USBR
VALLEY WATER MANAGEMENT COMPANY	VWMC
VAQUERO ENERGY	VAQUERO
VERIZON	VERIZON

GENERAL NOTES:

- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION THESE PLANS. THE LOCATION OF EXISTING UTILITIES ARE BASED ON FOUR SOURCES:
 - TOPOGRAPHIC SURVEY
 - GIS
 - AS-BUILT DRAWINGS
 - LIMITED FIELD RECONNAISSANCE
 THE CONTRACTOR SHALL CONDUCT ITS OWN SURVEY AND VERIFY THE LOCATION OF EXISTING UTILITIES AND RECONCILE THE SURVEY DATA AND GIS DATA.
- SERVICE LATERALS FOR POTABLE WATER, SANITARY SEWER AND NATURAL GAS ARE NOT SHOWN.
- EXISTING UTILITIES IDENTIFIED WITH THE DISPOSITION 'RELOCATE' AND 'REMOVE' PERTAIN TO ONLY THAT PORTION OF THE UTILITY WITHIN THE PROPOSED CHSR ROW OR IMPACTED BY PROPOSED IMPROVEMENTS.
- ABANDONMENT OF EXISTING OIL WELLS SHALL CONFORM TO THE REQUIREMENTS OF AGENCIES HAVING JURISDICTION REGARDING DECOMMISSIONING OF EXISTING OIL WELLS AND APPURTENANT EQUIPMENT.
- ACQUISITION OF UTILITY EASEMENTS IS BASED ON THE BP DRAFT DESIGN BASELINE REPORT, SECTION 5.0 RIGHT-OF-WAY. ASSUMED WIDTHS ARE LISTED IN THE UTILITY EASEMENT TABLE, THIS DRAWING.
- RELOCATIONS OF HIGH RISK UTILITIES ARE SHOWN, NOT ALL UTILITY RELOCATIONS ARE SHOWN.
- FOR SUPPLY STATION, SWITCHING STATIONS, AND PARALLELING STATIONS REFER TO THE TRACTION POWER DRAWINGS.

HIGH VOLTAGE TRANSMISSION LINE RELOCATION NOTES:

- ELECTRICAL TOWER AND WIRE HEIGHTS ARE NOT BASED ON FIELD SURVEY AND MAY NOT REPRESENT ACTUAL FIELD CONDITIONS.
- CPUC VERTICAL CLEARANCE FROM OCS POLE NEGATIVE FEEDER WIRE TO LOWEST HIGH VOLTAGE ELECTRICAL CONDUCTOR: CPUC GO 95 RULE 38 TABLE 2 (CASE 12).
- ELECTRICAL TRANSMISSION TOWERS/POLES SUBJECT TO ADDITIONAL CLEARANCE REQD BY UTILITY OWNER.
- PROPOSED HV TRANSMISSION TOWERS REPRESENTED CONCEPTUALLY.
- NEGATIVE FEEDER WIRE DISTANCE ABOVE TOP RAIL: 30' FOR 2 TRACK CONFIGURATION, 35' FOR 3 OR MORE TRACK CONFIGURATION.

DRAINAGE SYSTEM AND RELOCATION NOTES:

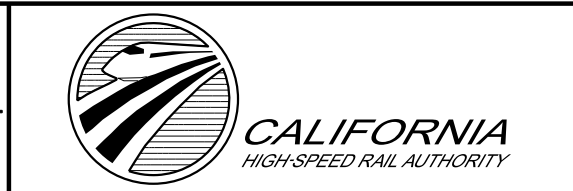
EXISTING STORM DRAINAGE PIPES, CULVERTS, OR CHANNELS ARE SHOWN FOR INFORMATION ONLY. REFER TO GRADING AND DRAINAGE PLANS FOR DETAILED DRAINAGE INFORMATION.

REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY J. LOPEZ
CHECKED BY G. CAMPBELL
IN CHARGE G. CAMPBELL
DATE 01/29/2021

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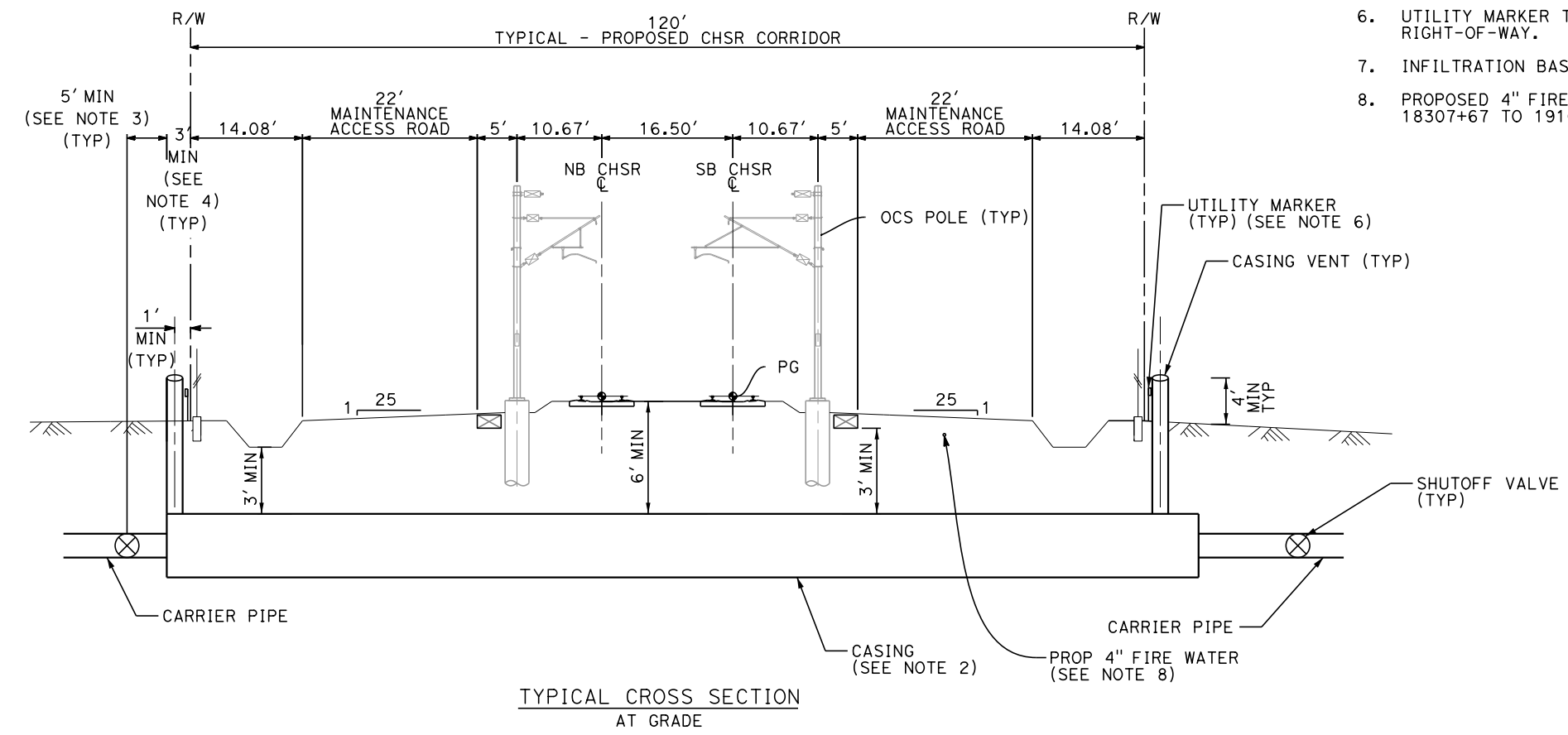
**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY GENERAL
GENERAL NOTES AND UTILITY OWNERS

CONTRACT NO. HSR13-44
DRAWING NO. UT-B0102
SCALE NO SCALE
SHEET NO. 244

NOTES:

1. TRACK, SYSTEMS, DRAINAGE, AND STRUCTURES ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
2. FOR ADDITIONAL PIPE CASING REQUIREMENTS, SEE AREMA MANUAL.
3. SHUTOFF VALVE MUST BE ACCESSIBLE FROM OUTSIDE THE RIGHT-OF-WAY. IT MAY NOT BE NEEDED ON BOTH SIDES.
4. THE CASING SHALL CONTINUE MINIMUM 3'-0" BEYOND THE RIGHT-OF-WAY.
5. TRANSVERSE UTILITIES SHALL BE LOCATED AWAY FROM MANHOLES, OCS FOOTINGS, AND OTHER HST SUBSURFACE ELEMENTS.
6. UTILITY MARKER TO INDICATE LOCATION OF UTILITY CROSSING AT RIGHT-OF-WAY.
7. INFILTRATION BASIN WHERE SHOWN ON THE PLANS.
8. PROPOSED 4" FIRE WATER LINE PARALLELS ALIGNMENT FROM STATION 18307+67 TO 19104+40.



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J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

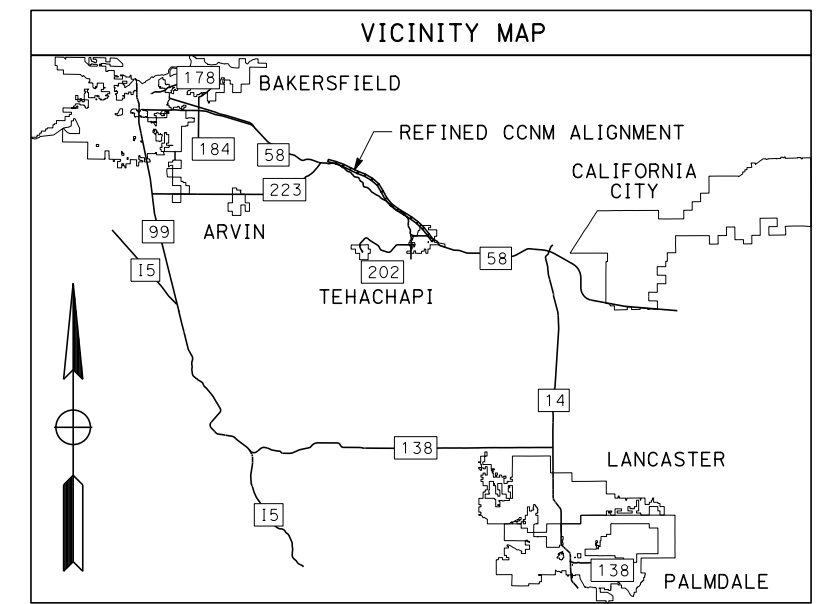
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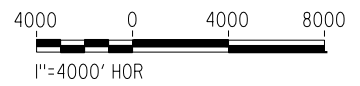
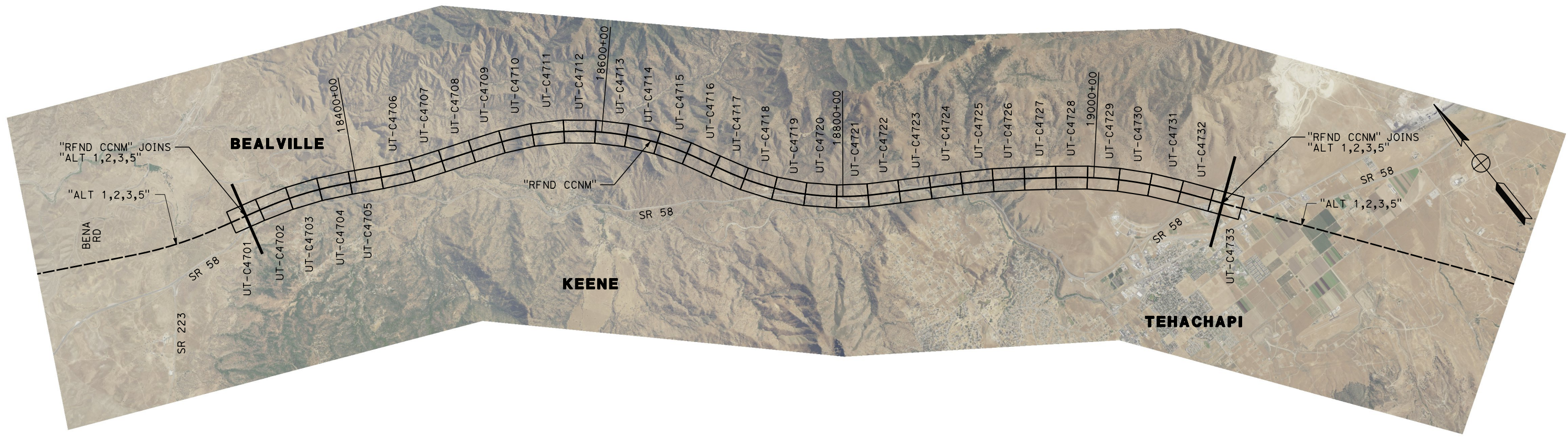


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY GENERAL
UTILITY CROSSING DETAIL

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-B0103
SCALE
NO SCALE
SHEET NO.
245



REFINED CCNM DESIGN OPTION



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN

DRAWN BY
J. LOPEZ

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY GENERAL
KEY MAP
SHEET 1 OF 1

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-B0104

SCALE
AS SHOWN

SHEET NO.
246

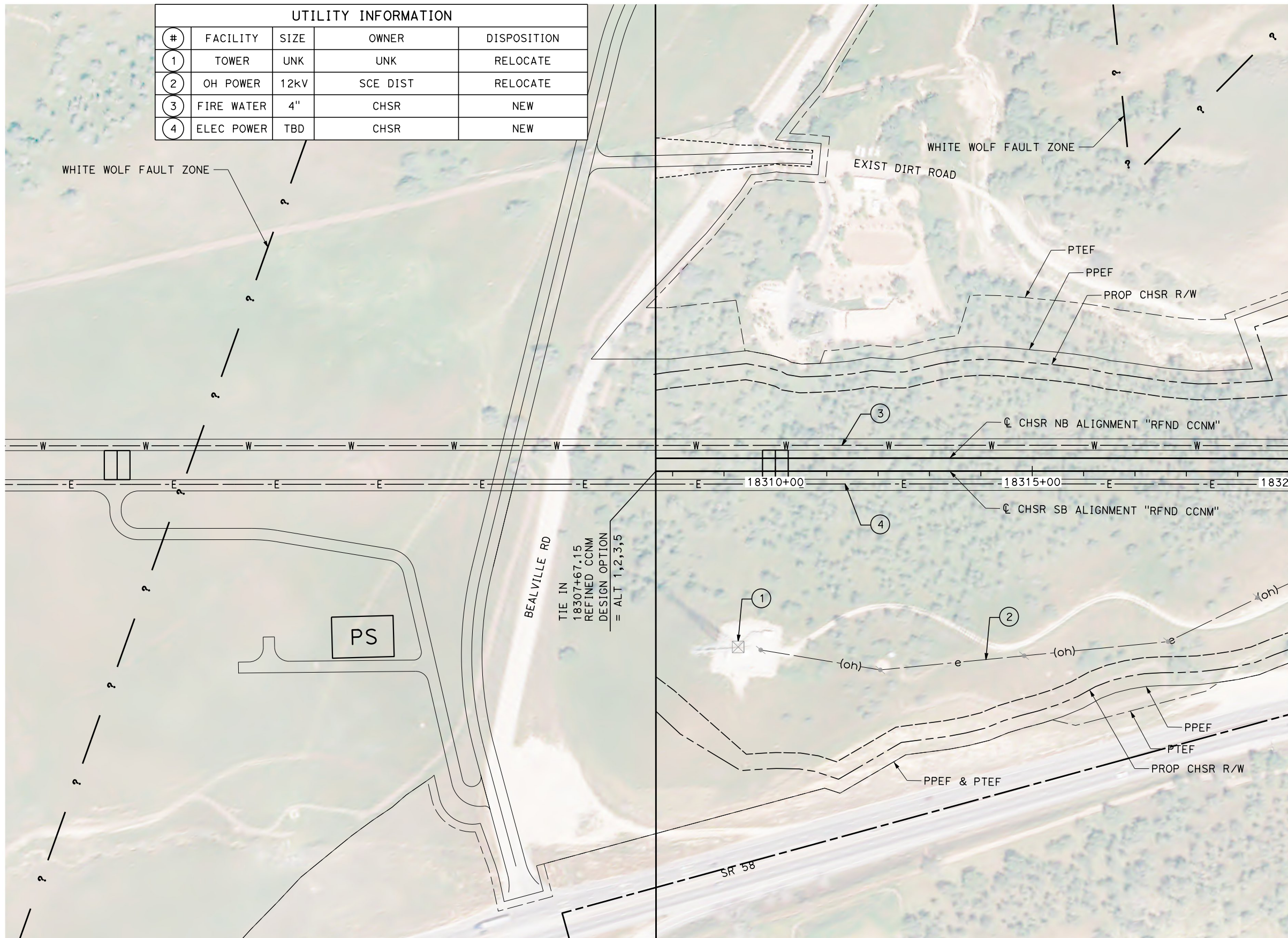
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1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	TOWER	UNK	UNK	RELOCATE
2	OH POWER	12kV	SCE DIST	RELOCATE
3	FIRE WATER	4"	CHSR	NEW
4	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4702)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18307+67 TO 18320+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4701
SCALE
AS SHOWN
SHEET NO.
247

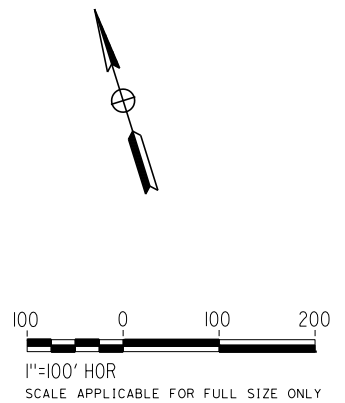
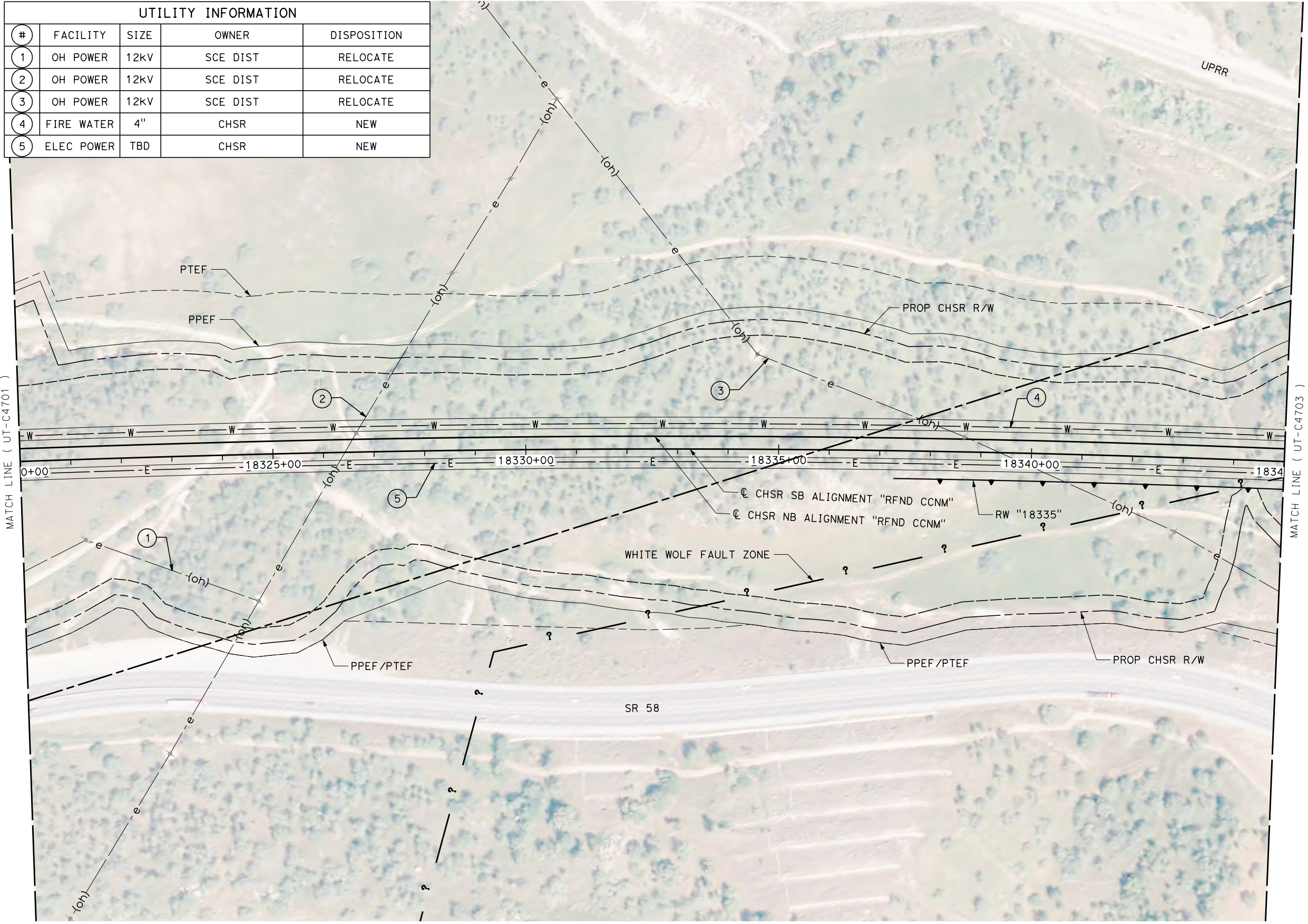
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javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12KV	SCE DIST	RELOCATE
2	OH POWER	12KV	SCE DIST	RELOCATE
3	OH POWER	12KV	SCE DIST	RELOCATE
4	FIRE WATER	4"	CHSR	NEW
5	ELEC POWER	TBD	CHSR	NEW



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

REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18320+00 TO 18345+00
PLAN

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4702

SCALE
AS SHOWN

SHEET NO.
248

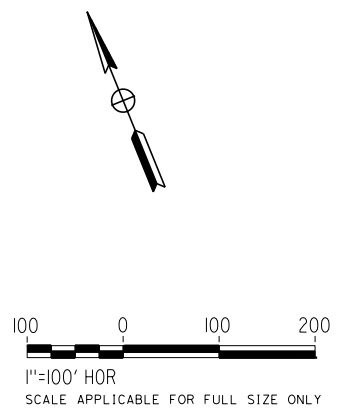
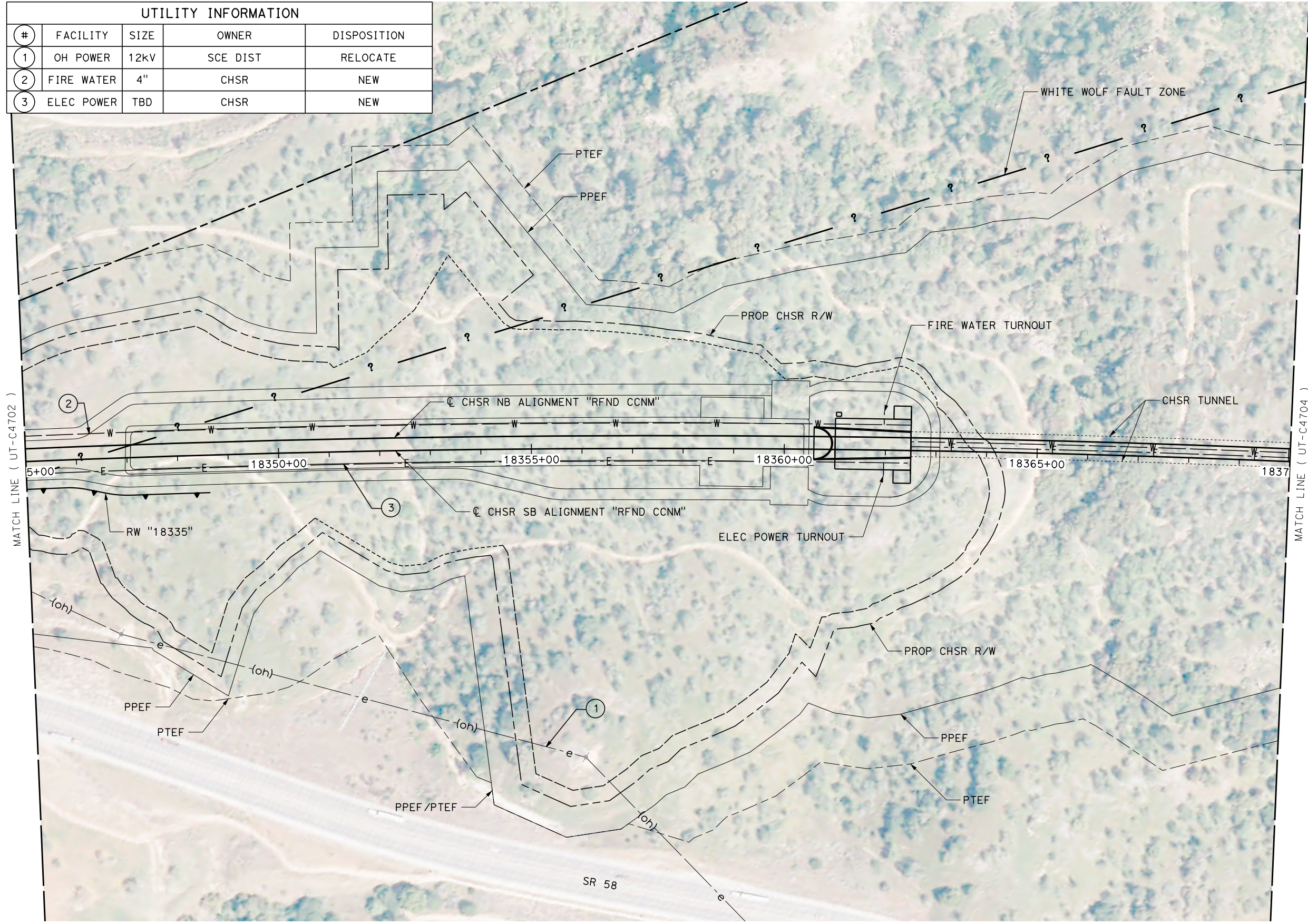
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1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12kV	SCE DIST	RELOCATE
2	FIRE WATER	4"	CHSR	NEW
3	ELEC POWER	TBD	CHSR	NEW



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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18345+00 TO 18370+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4703
SCALE
AS SHOWN
SHEET NO.
249

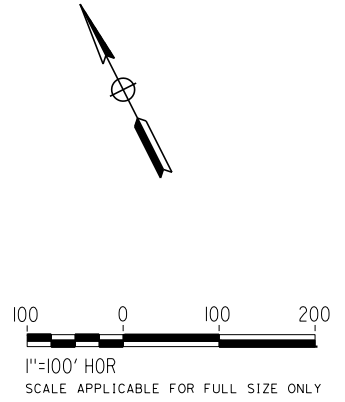
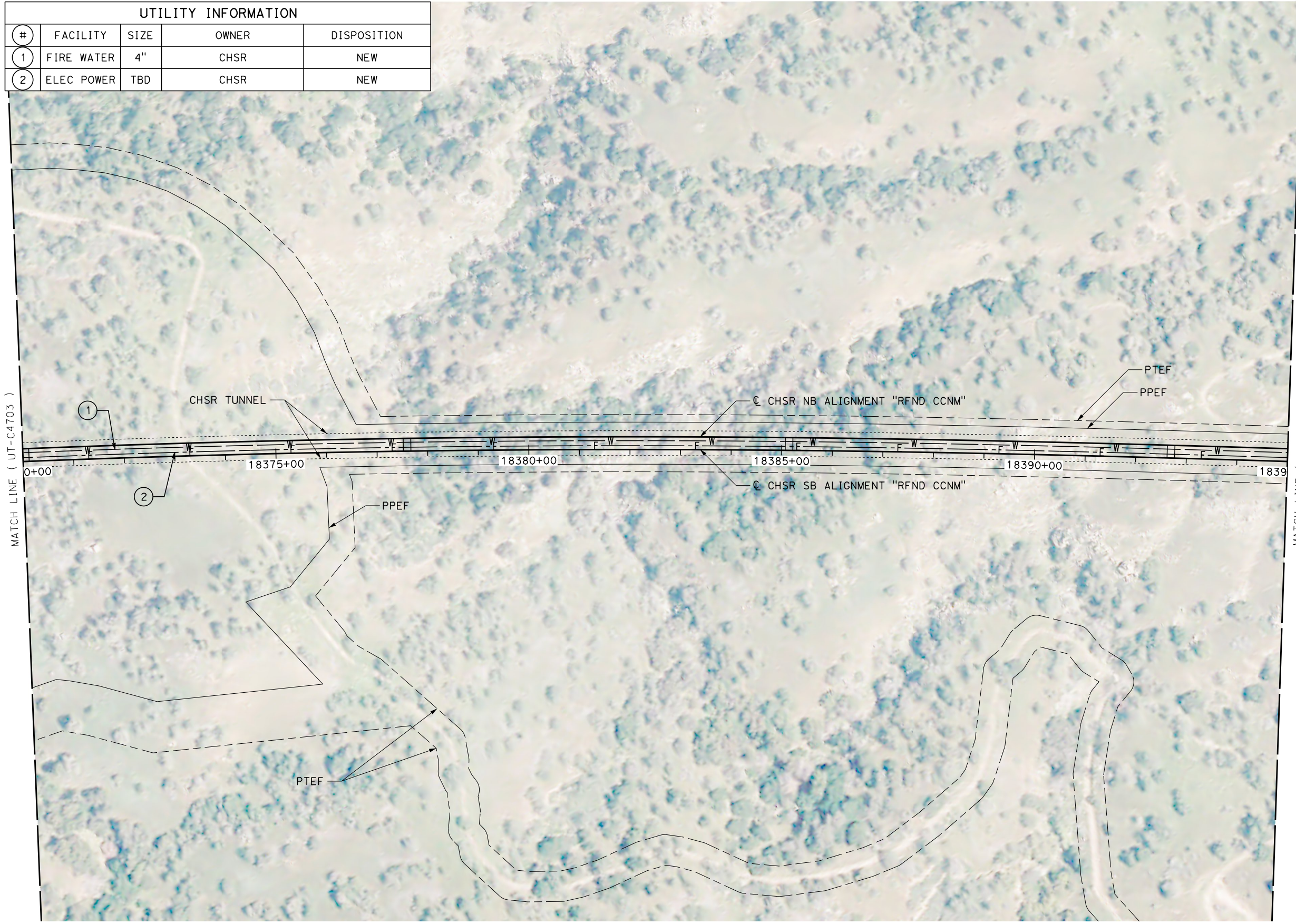
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1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18370+00 TO 18395+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4704
SCALE
AS SHOWN
SHEET NO.
250

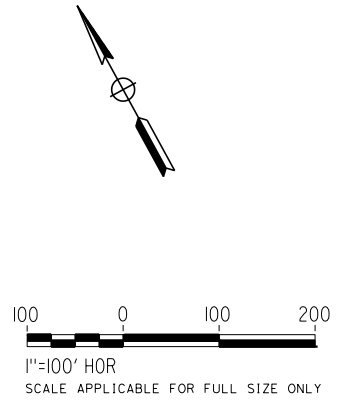
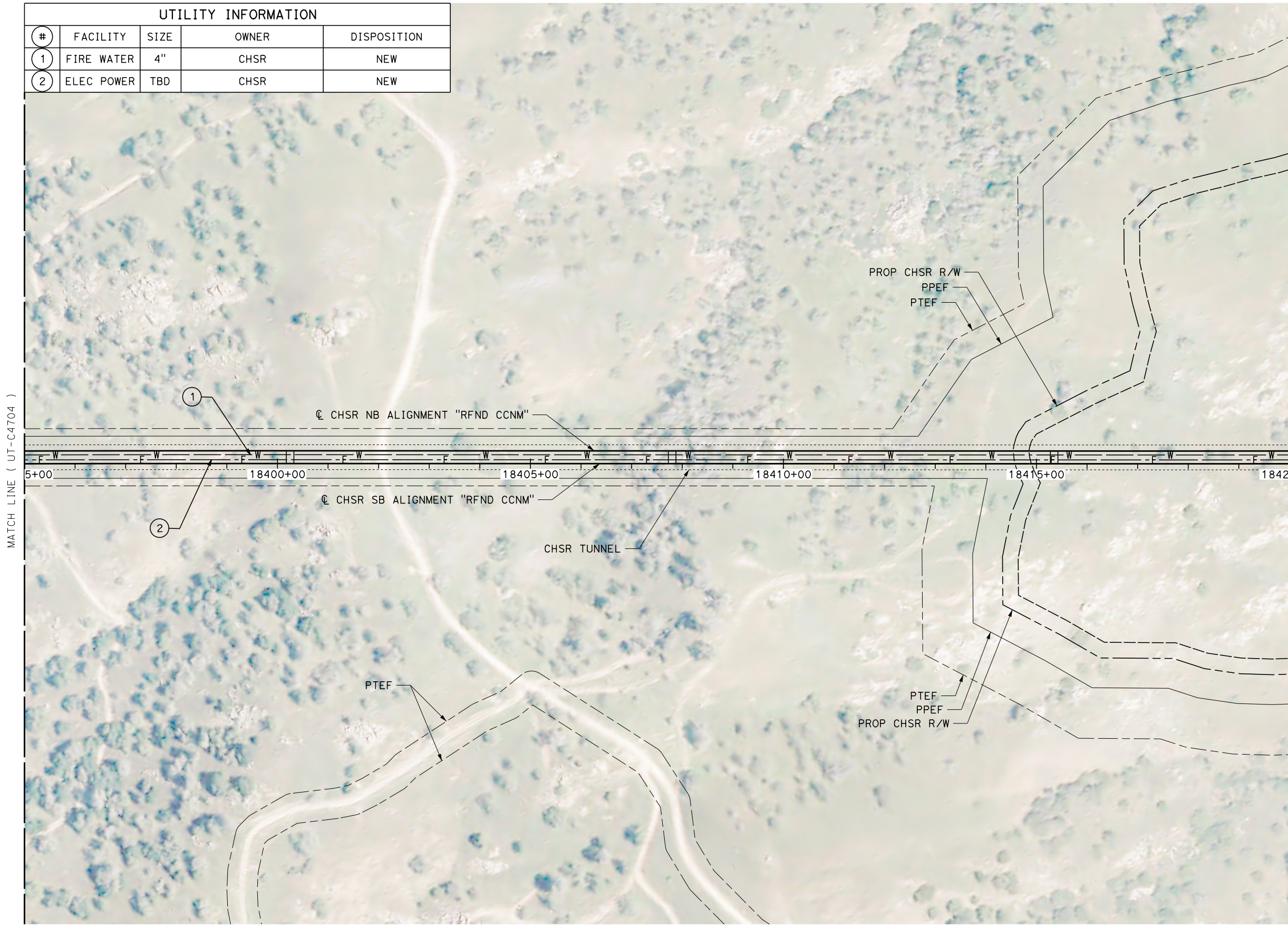
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4705

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1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW

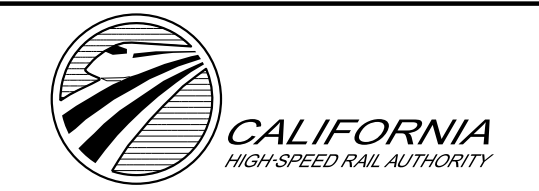


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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18395+00 TO 18420+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4705
SCALE
AS SHOWN
SHEET NO.
251

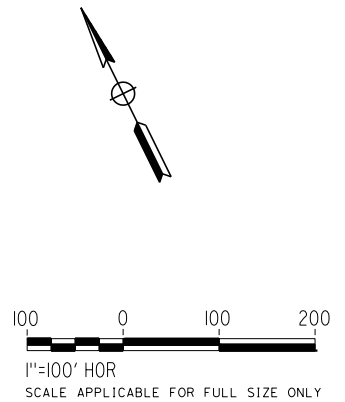
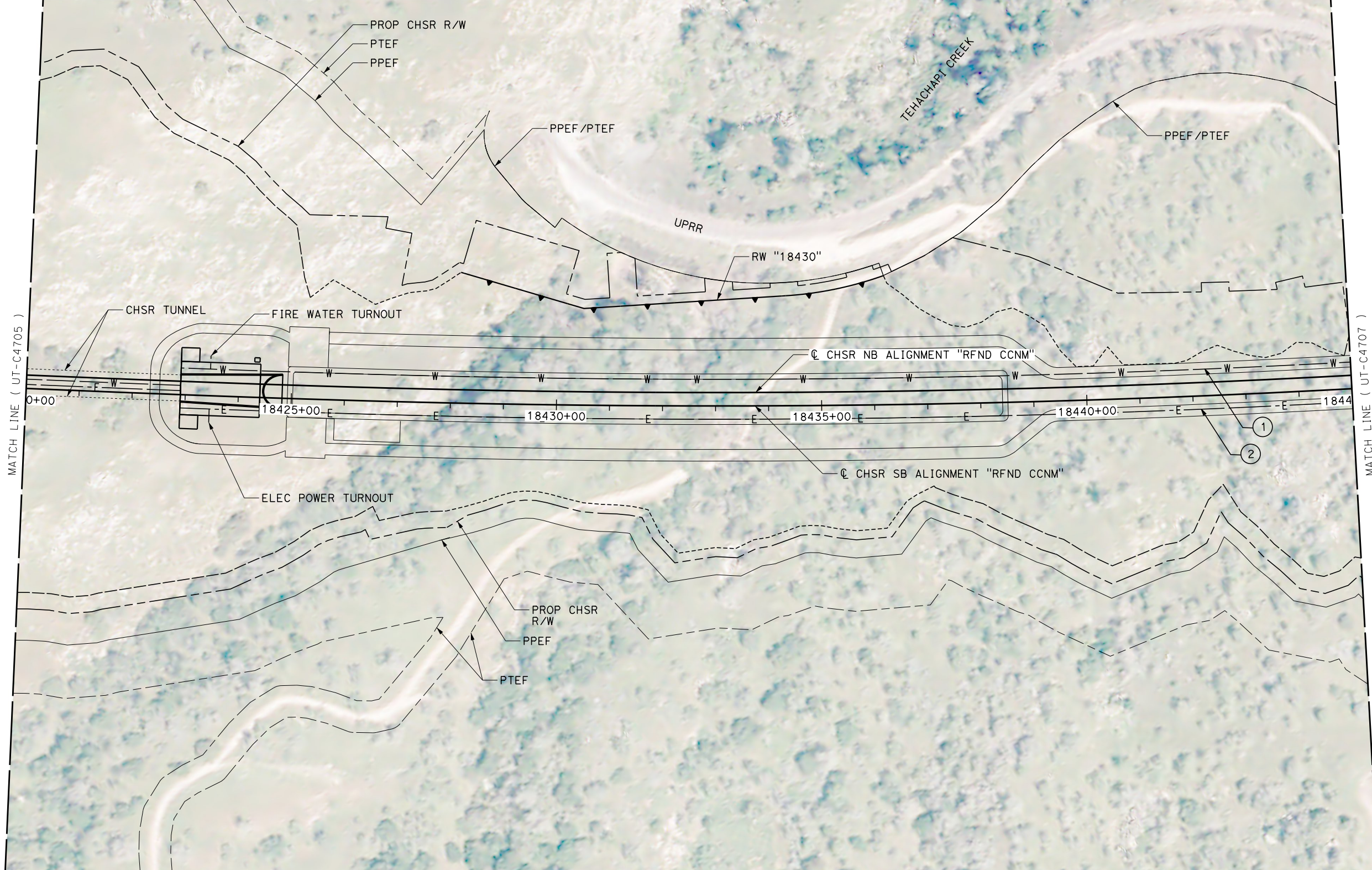
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1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



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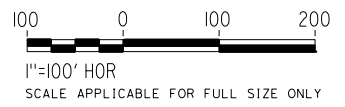
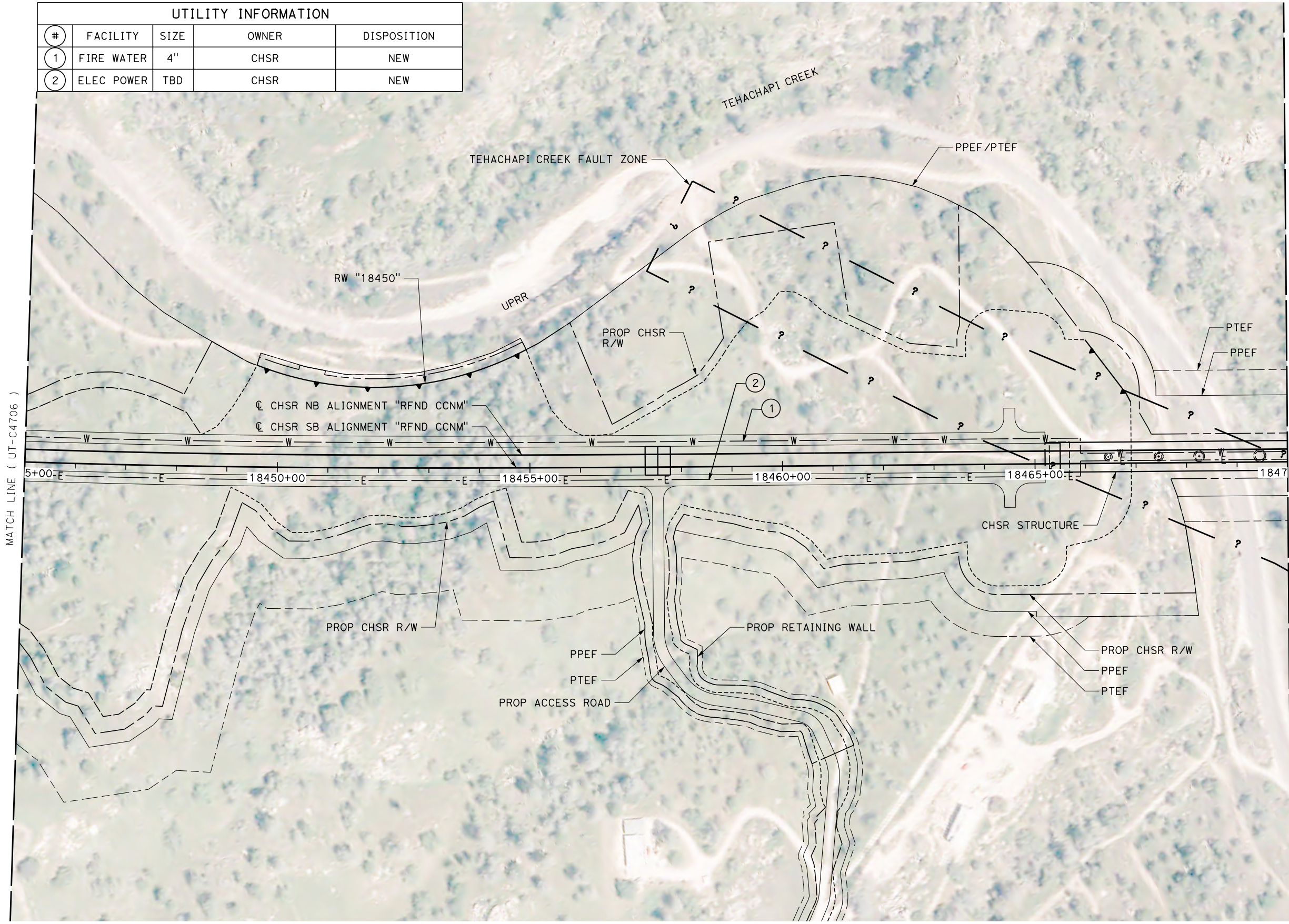
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18420+00 TO 18445+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4706
SCALE
AS SHOWN
SHEET NO.
252

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4707

11:10:24 PM

1/12/2021

javier_lopez@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18445+00 TO 18470+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4707
SCALE
AS SHOWN
SHEET NO.
253

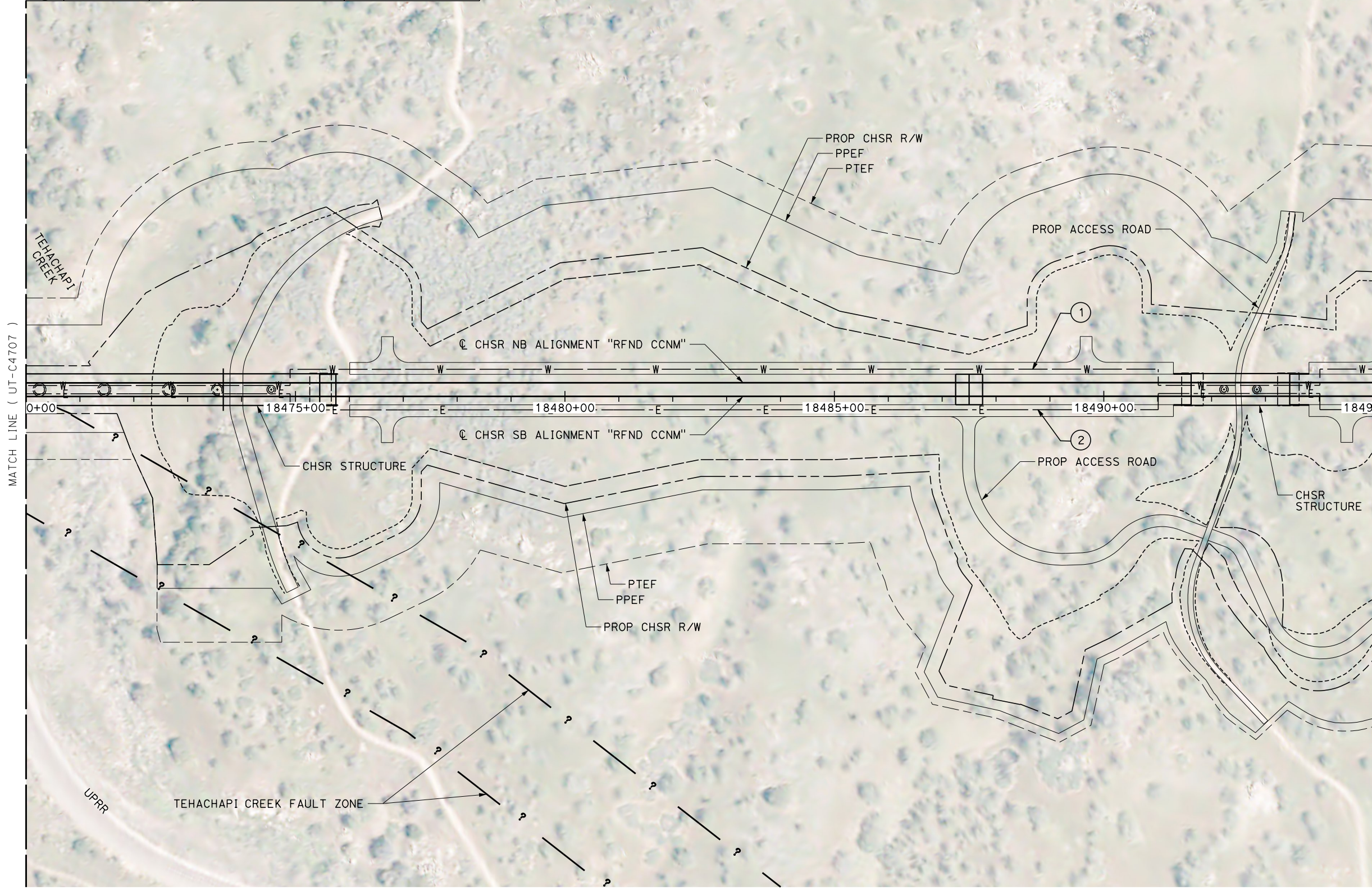
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4708

11:12:42 PM

1/12/2021

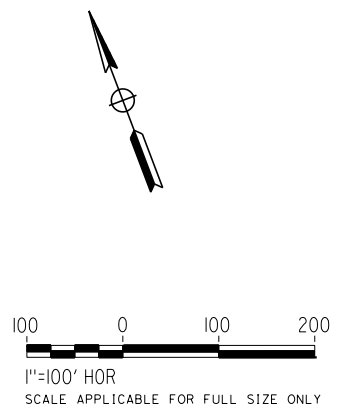
javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4709)

MATCH LINE (UT-C4707)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18470+00 TO 18495+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4708
SCALE
AS SHOWN
SHEET NO.
254

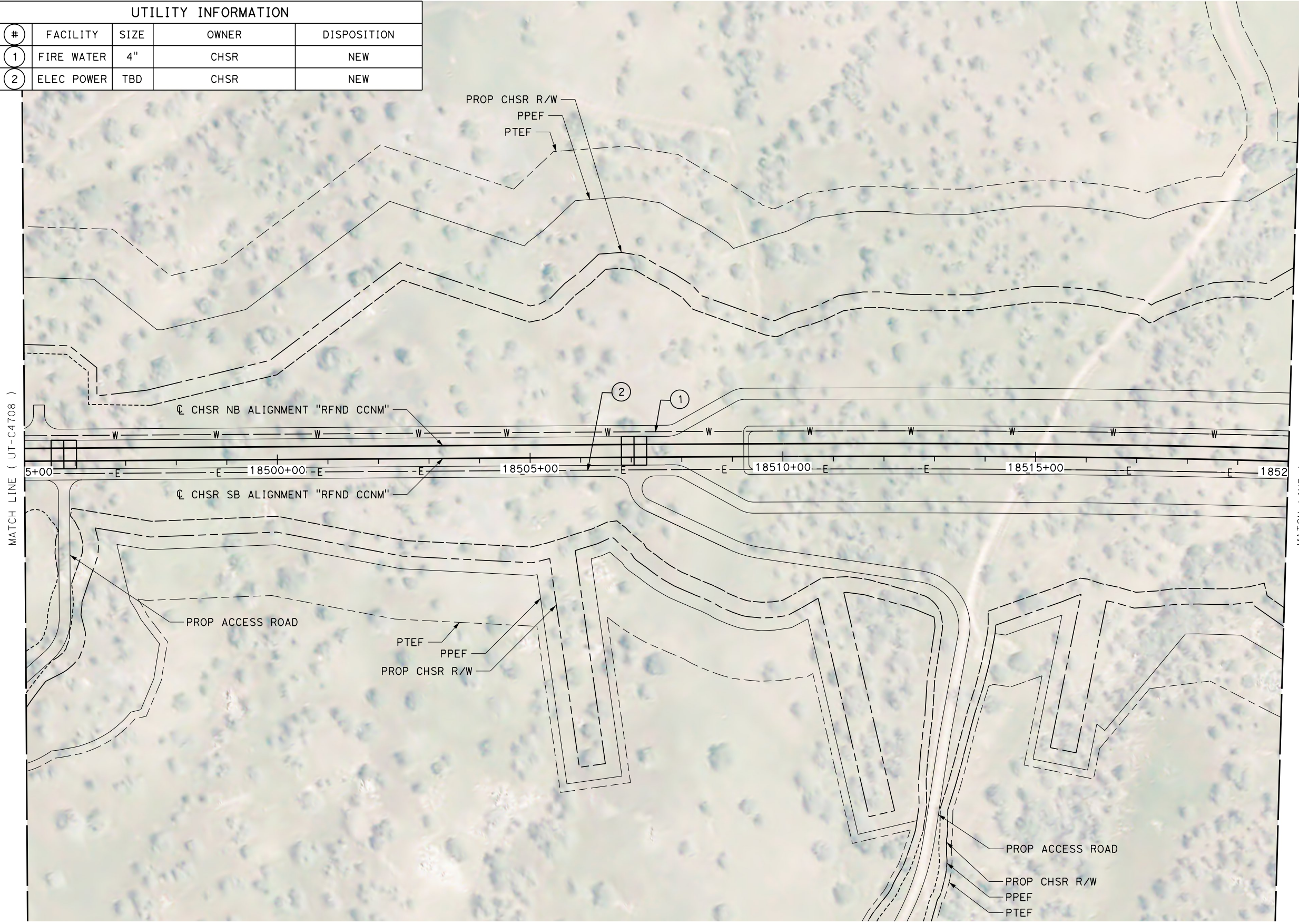
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11:10:24 PM

1/12/2021

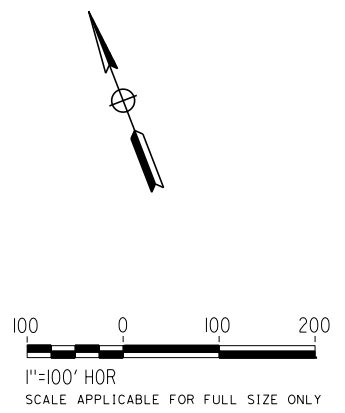
javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4710)

MATCH LINE (UT-C4708)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18495+00 TO 18520+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4709
SCALE
AS SHOWN
SHEET NO.
255

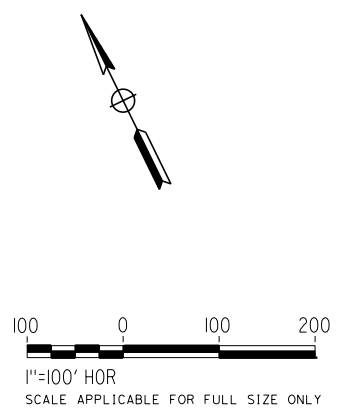
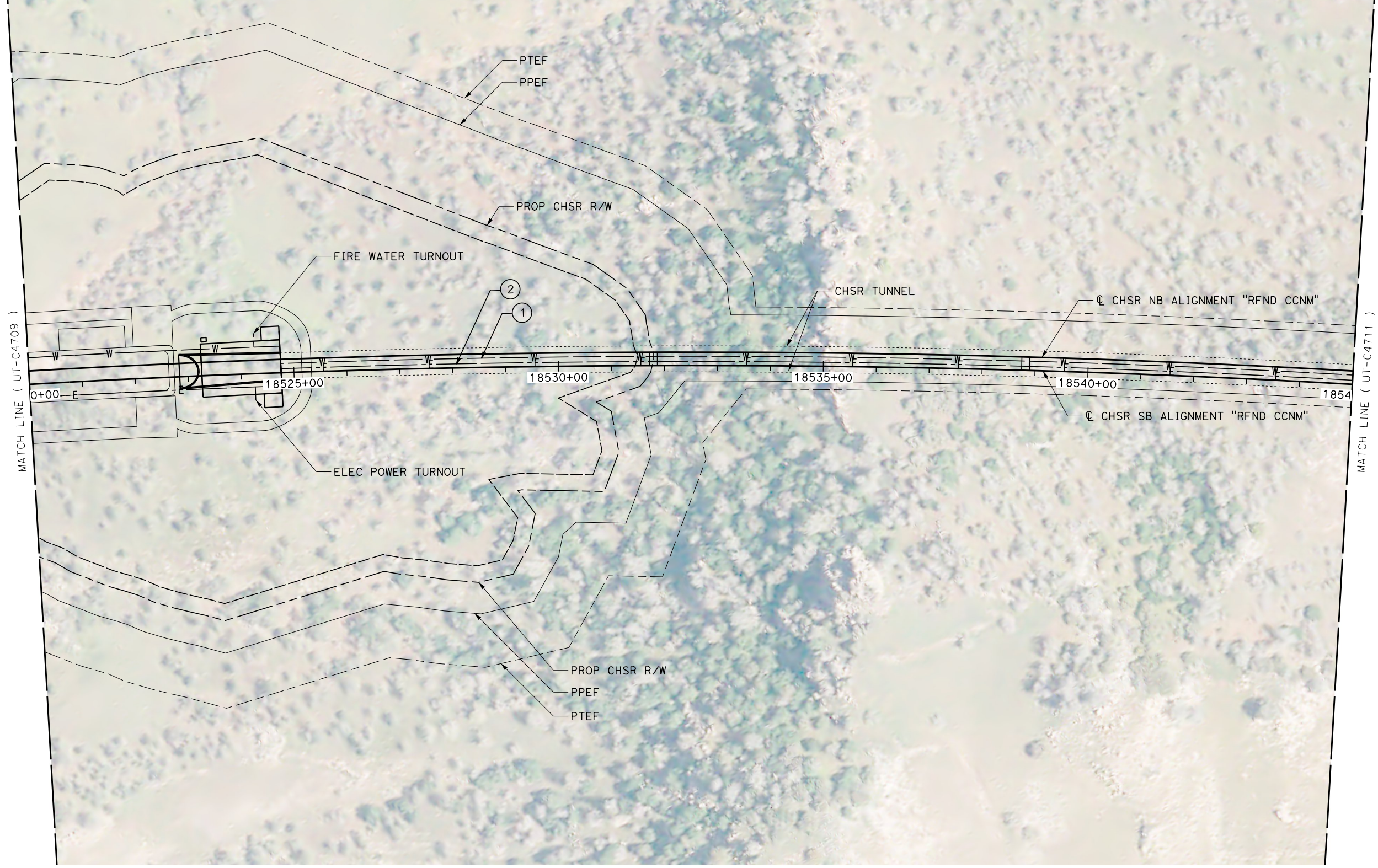
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4710

11:12:50 PM

1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

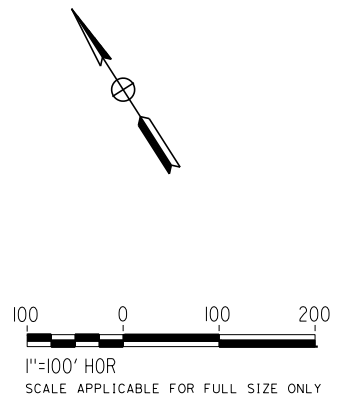
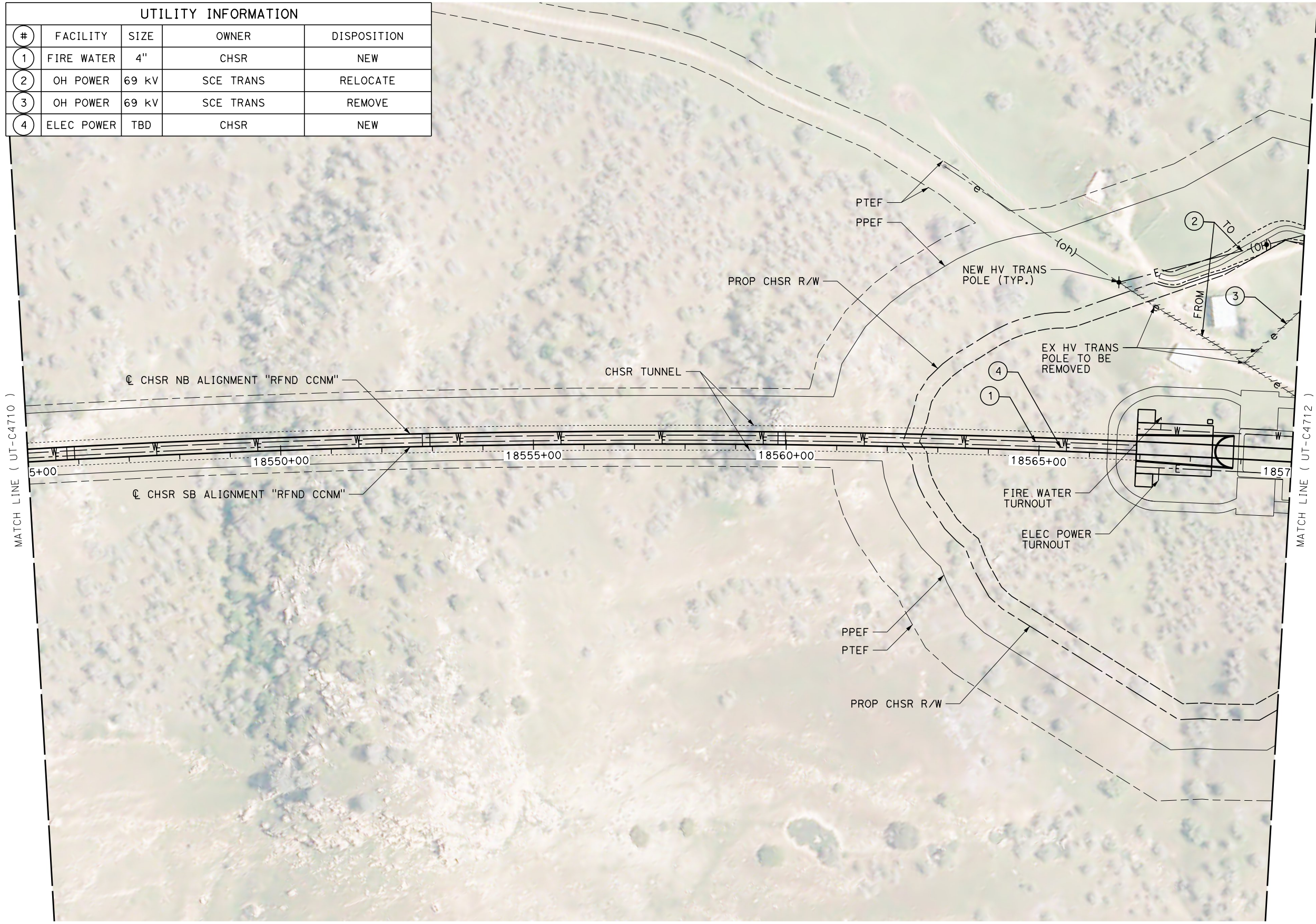


**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18520+00 TO 18545+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4710
SCALE
AS SHOWN
SHEET NO.
256

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	OH POWER	69 kV	SCE TRANS	RELOCATE
3	OH POWER	69 kV	SCE TRANS	REMOVE
4	ELEC POWER	TBD	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18545+00 TO 18570+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4711
SCALE
AS SHOWN
SHEET NO.
257

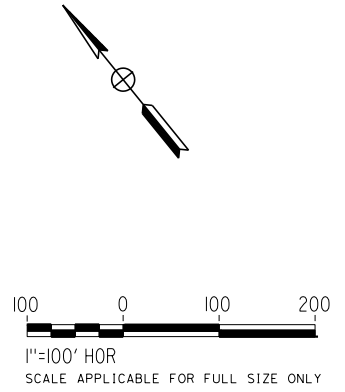
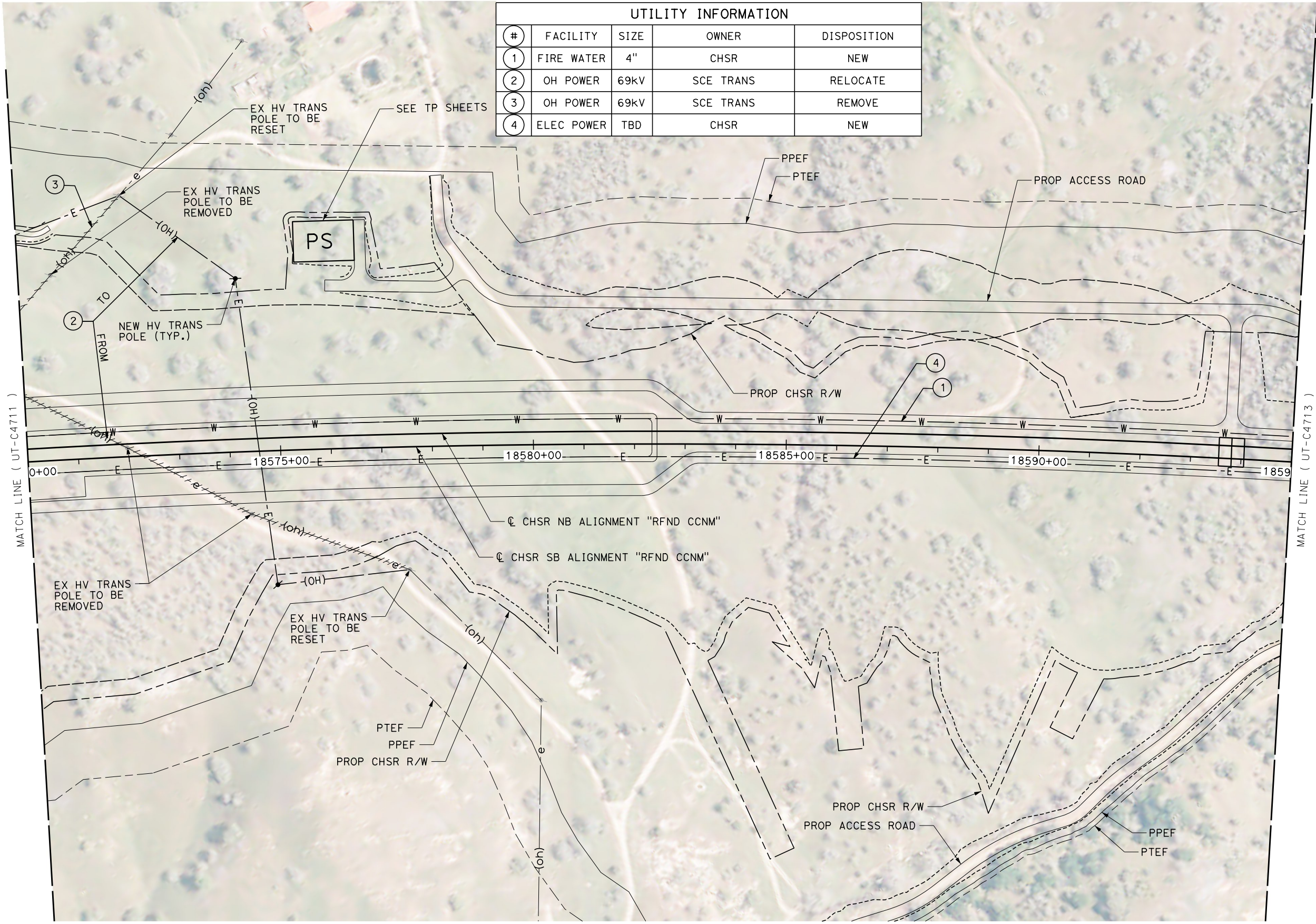
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4712

11:12:22 PM

1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	OH POWER	69kV	SCE TRANS	RELOCATE
3	OH POWER	69kV	SCE TRANS	REMOVE
4	ELEC POWER	TBD	CHSR	NEW

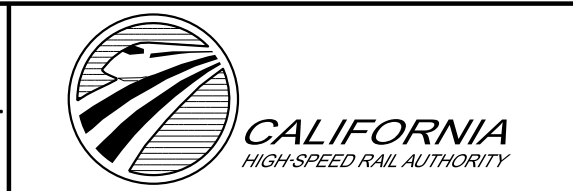


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18570+00 TO 18595+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4712
SCALE
AS SHOWN
SHEET NO.
258

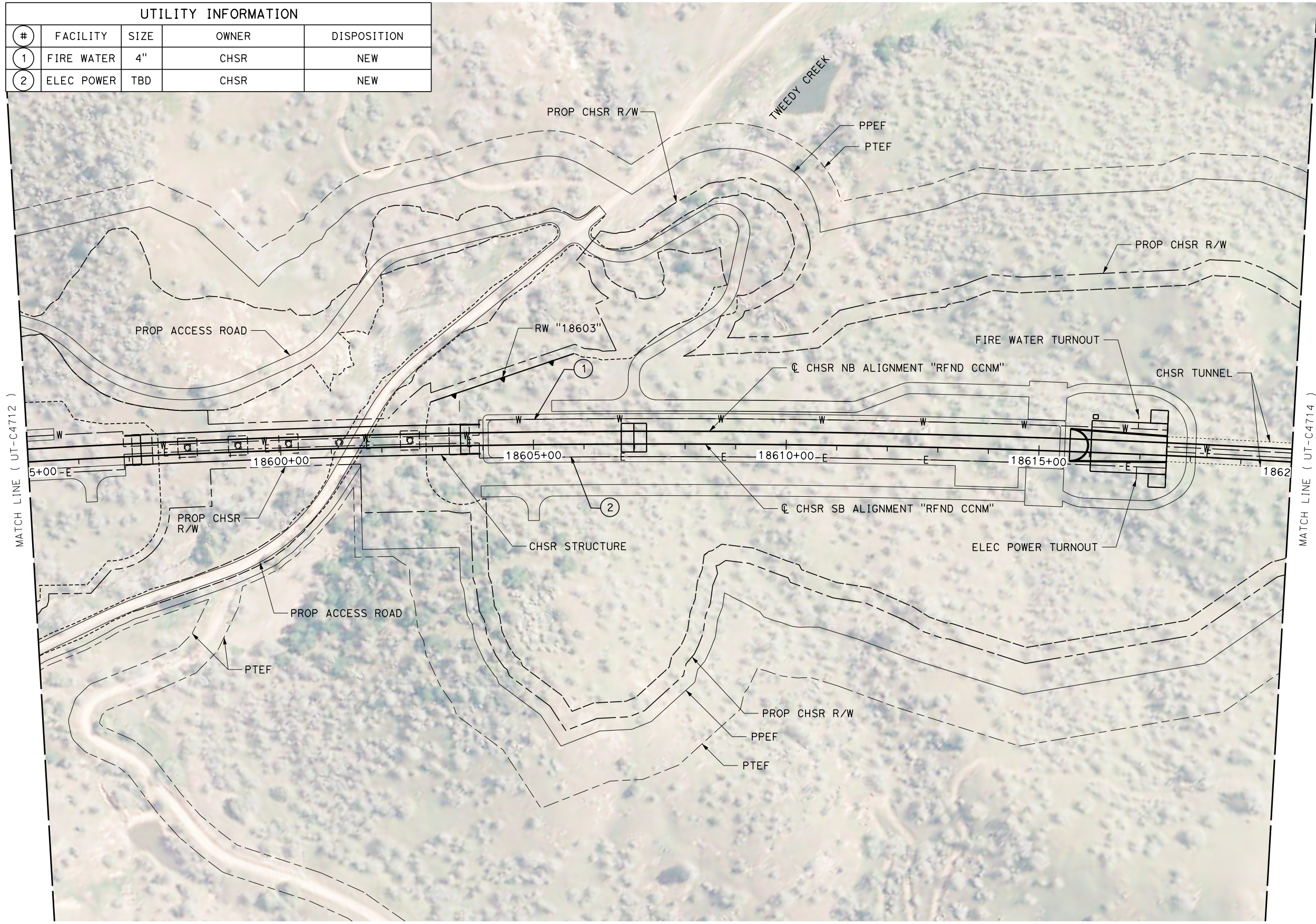
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4713

1/12/2021 11:11:08 PM

1/12/2021

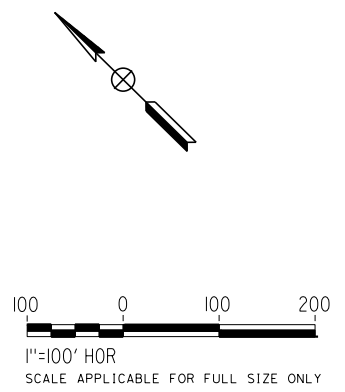
javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4712)

MATCH LINE (UT-C4714)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18595+00 TO 18620+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4713
SCALE
AS SHOWN
SHEET NO.
259

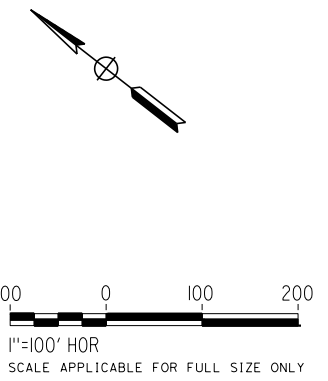
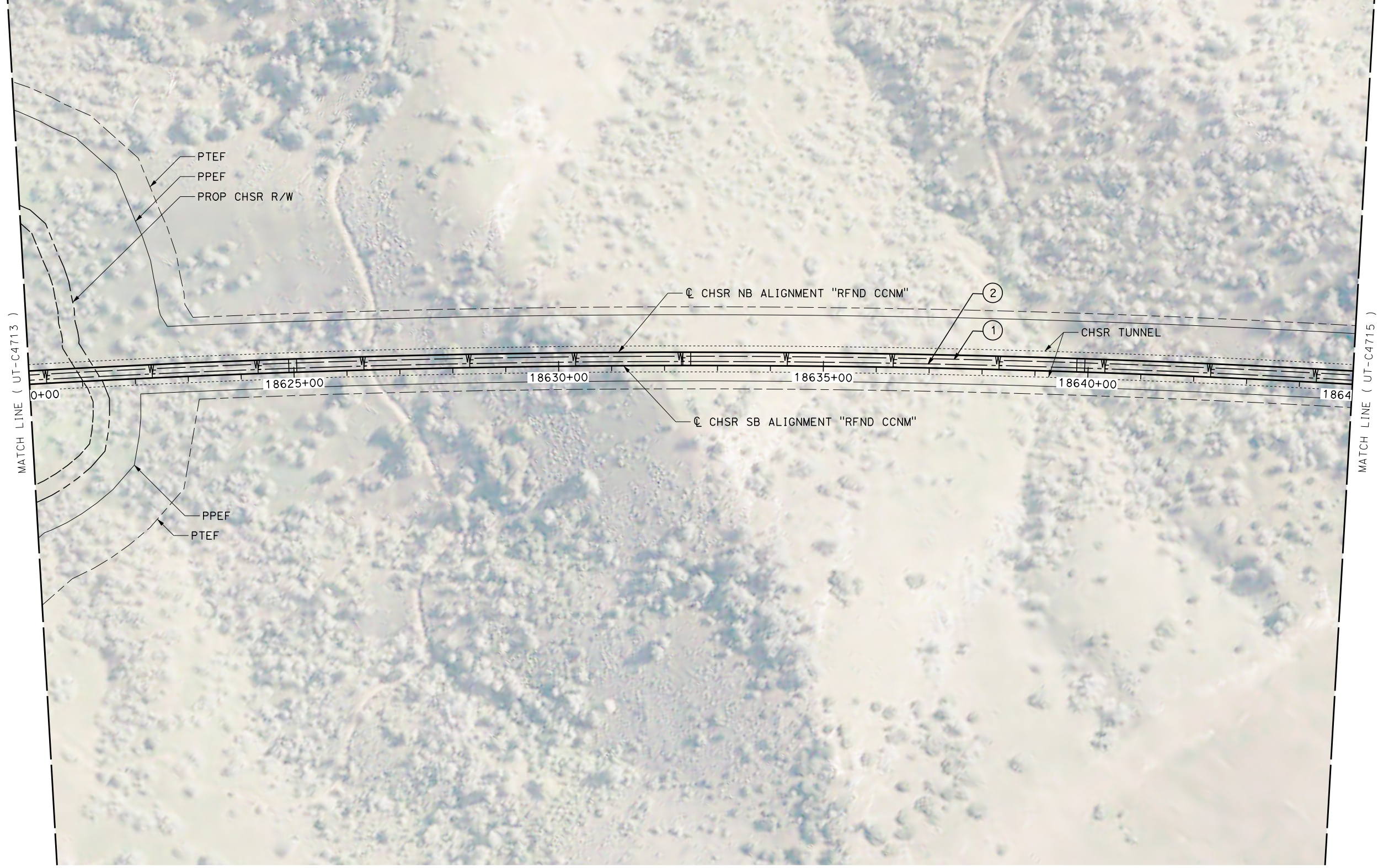
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4714

11:13:18 PM

1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18620+00 TO 18645+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4714
SCALE
AS SHOWN
SHEET NO.
260

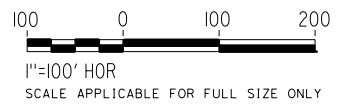
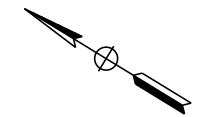
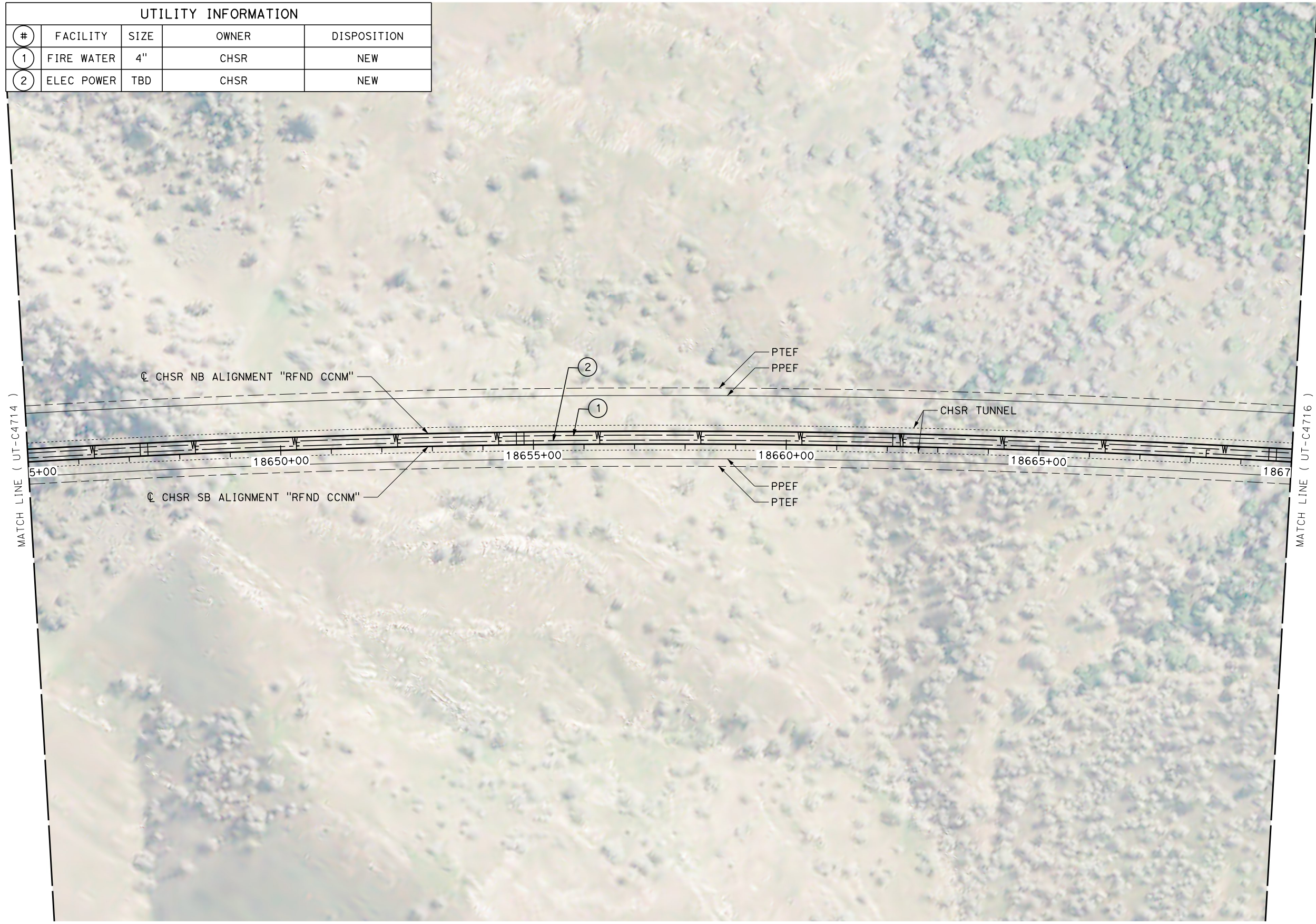
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4715

11:11:12 PM

1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18645+00 TO 18670+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4715
SCALE
AS SHOWN
SHEET NO.
261

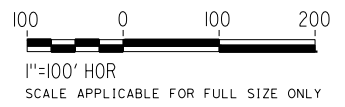
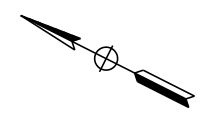
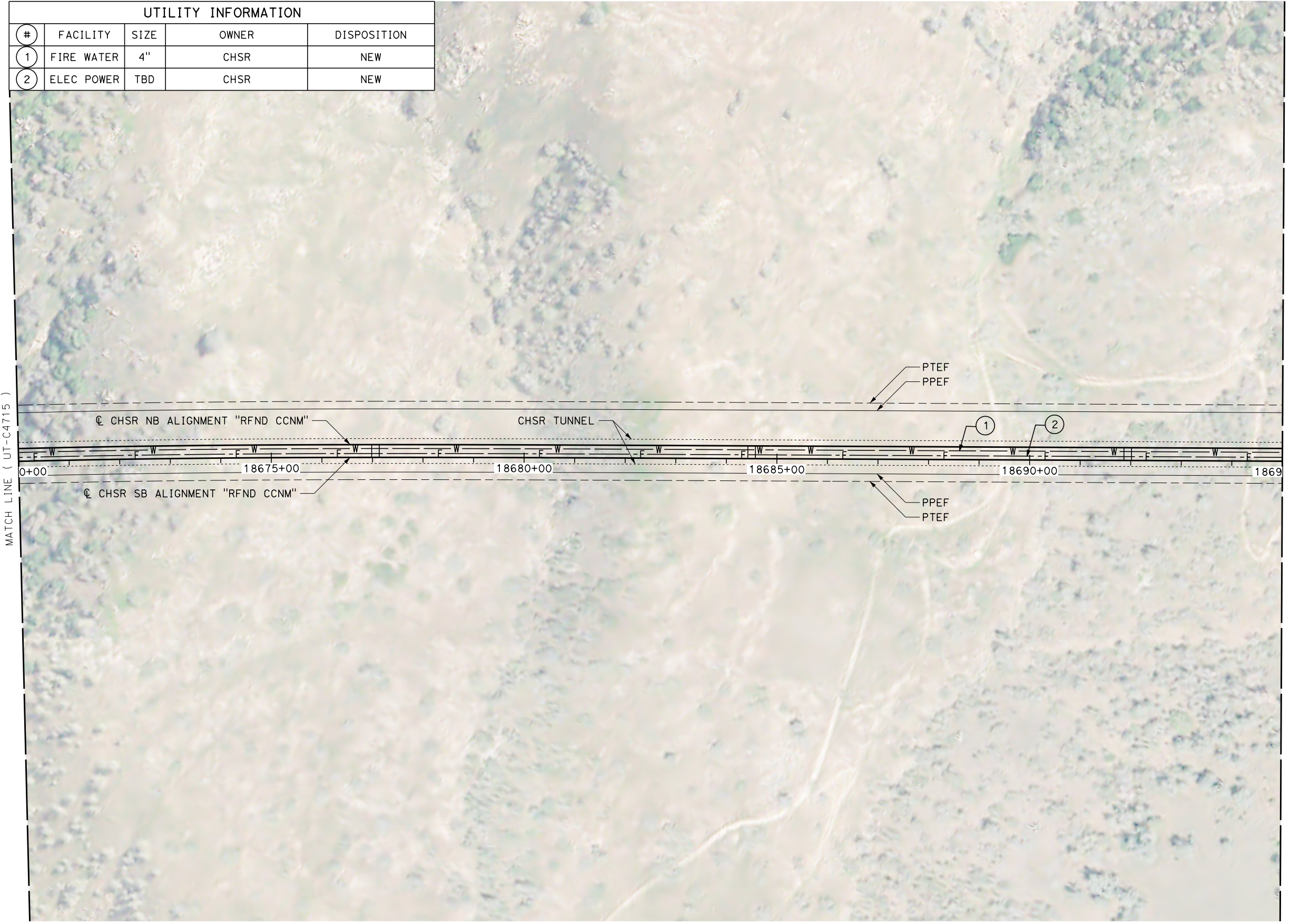
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4716

11:13:20 PM

1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

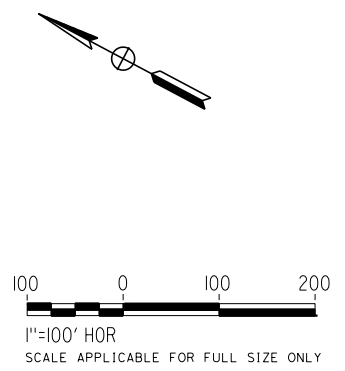
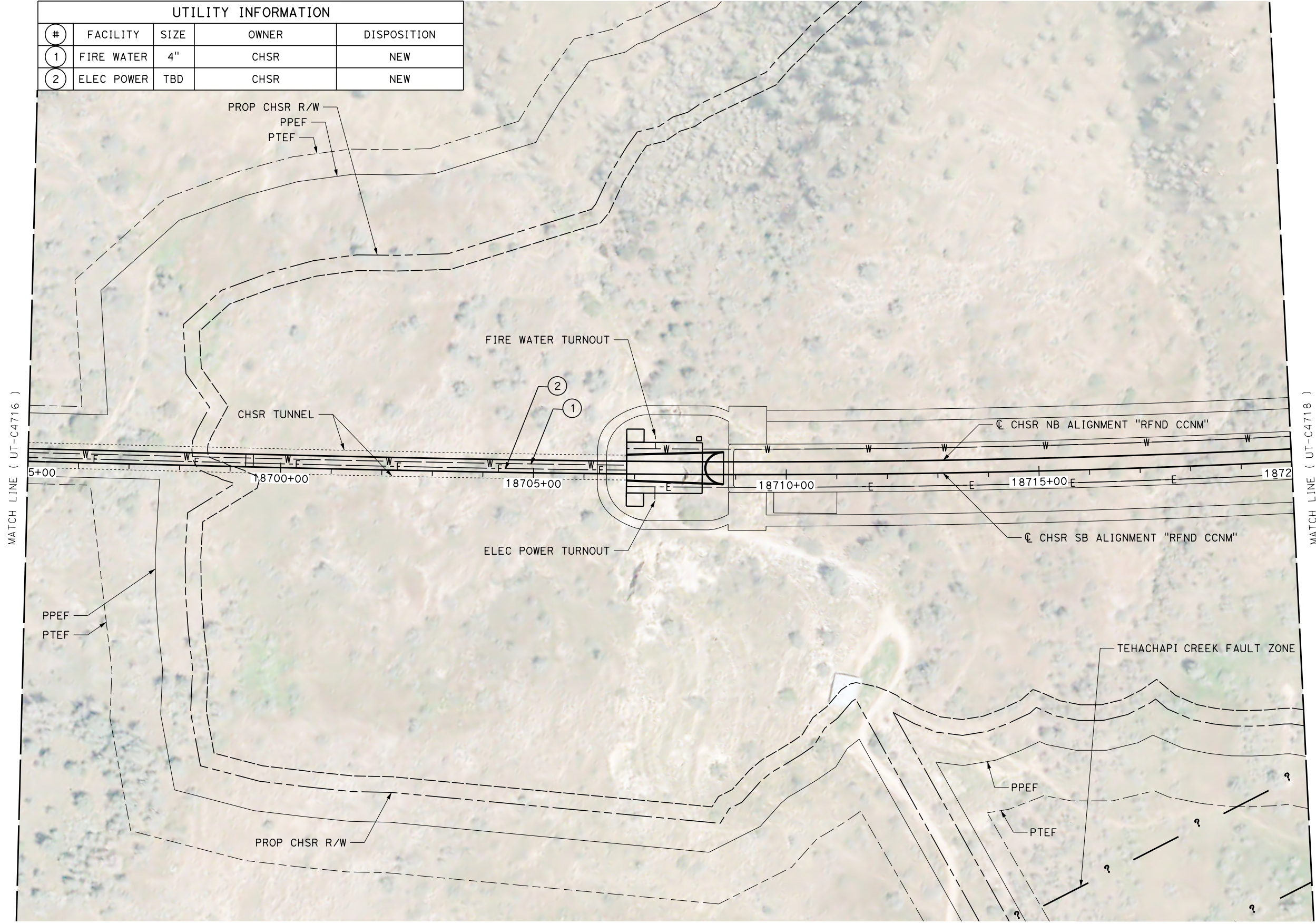
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18670+00 TO 18695+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4716
SCALE
AS SHOWN
SHEET NO.
262

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4717

1/12/2021 11:11:13 PM

1/12/2021

javier_lopez@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN

DRAWN BY
J. LOPEZ

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18695+00 TO 18720+00
PLAN

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4717

SCALE
AS SHOWN

SHEET NO.
263

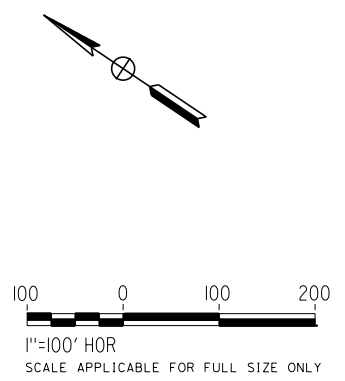
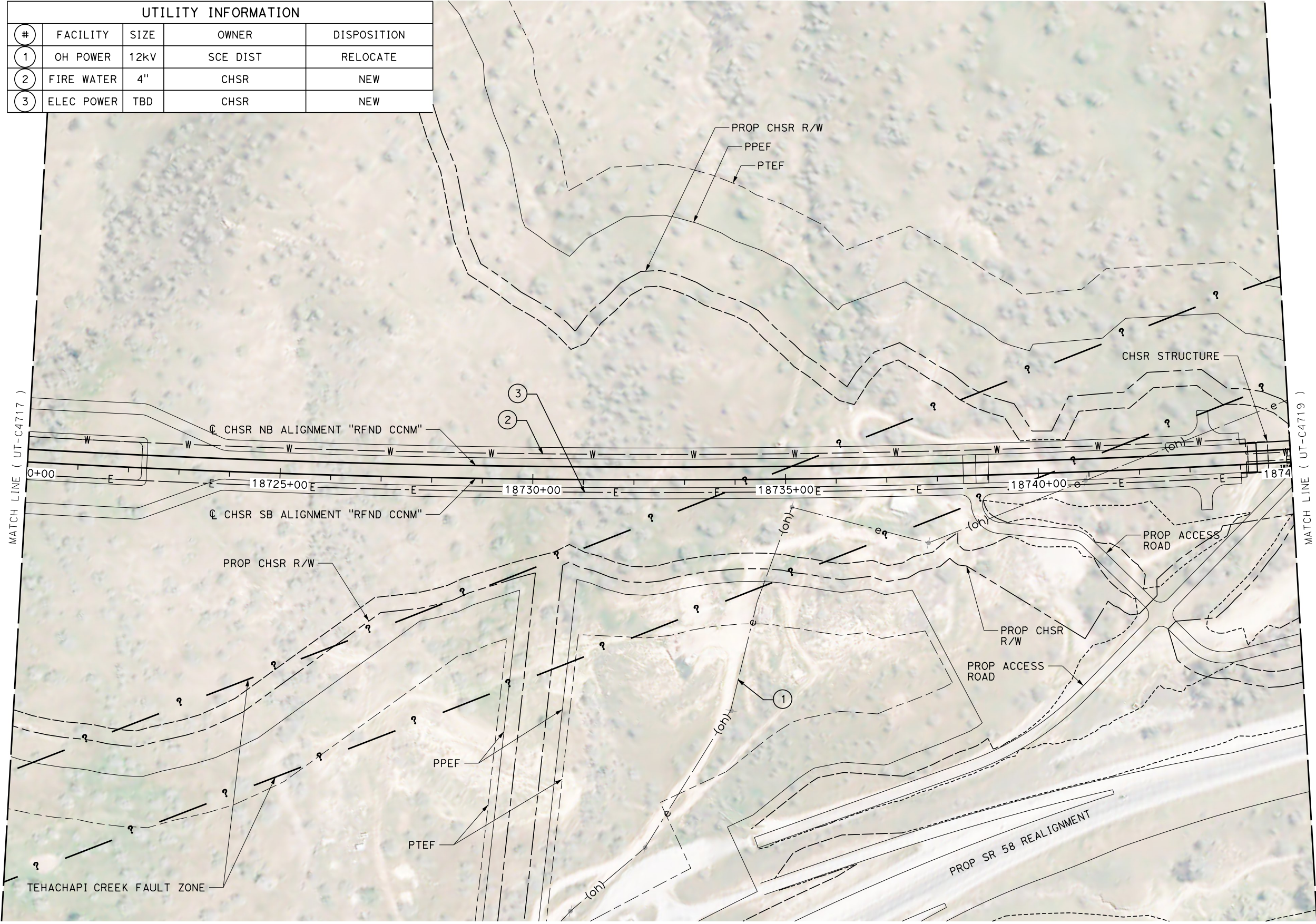
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4718

11:13:27 PM

1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12kV	SCE DIST	RELOCATE
2	FIRE WATER	4"	CHSR	NEW
3	ELEC POWER	TBD	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

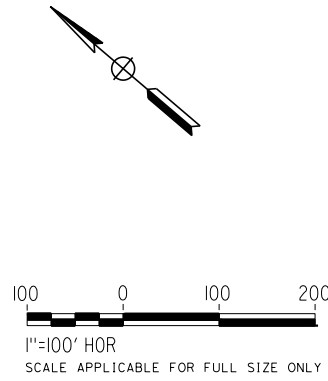
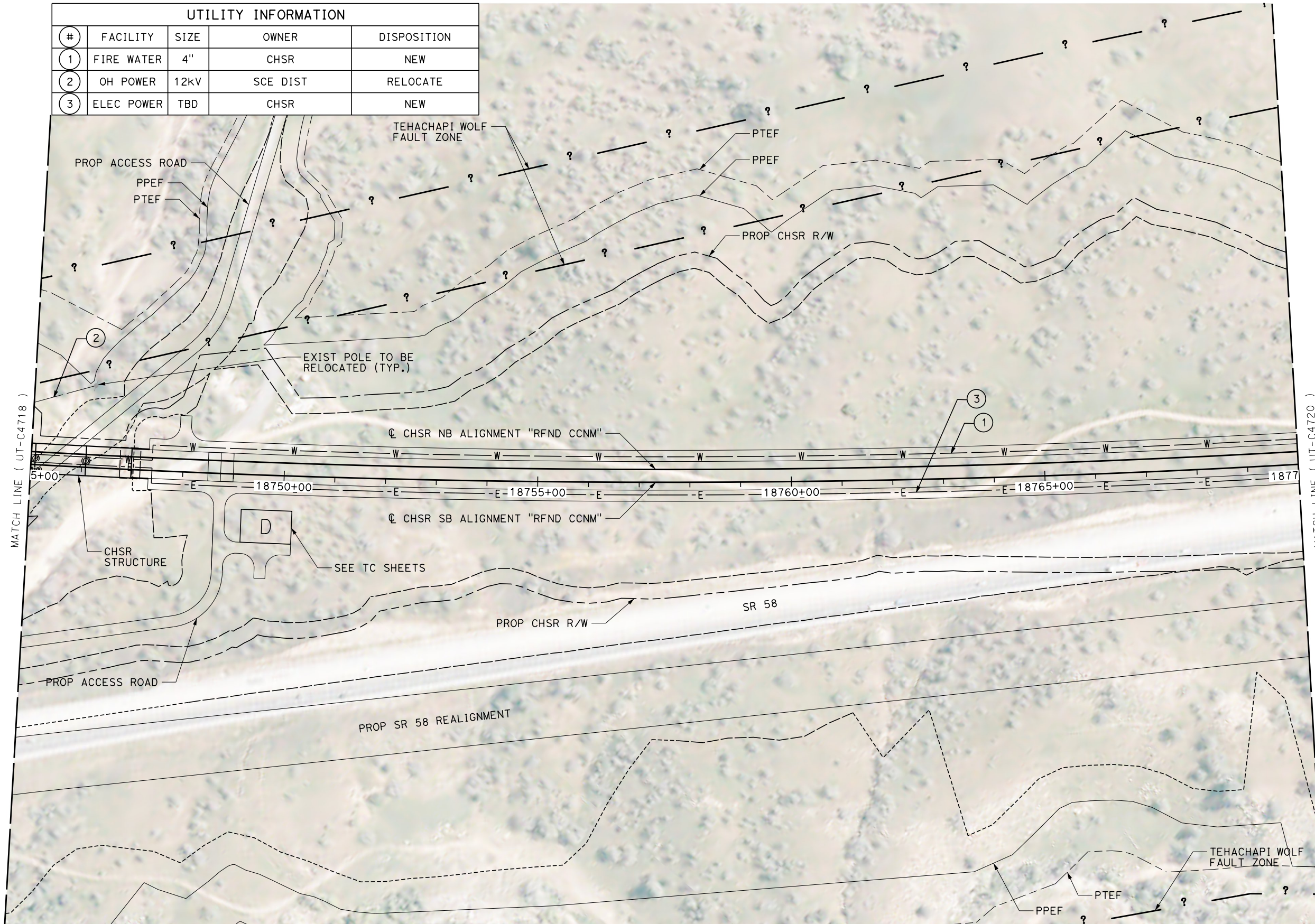
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18720+00 TO 18745+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4718
SCALE
AS SHOWN
SHEET NO.
264

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	OH POWER	12kV	SCE DIST	RELOCATE
3	ELEC POWER	TBD	CHSR	NEW



Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4719

11:11:19 PM

1/12/2021

javier_lopez@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

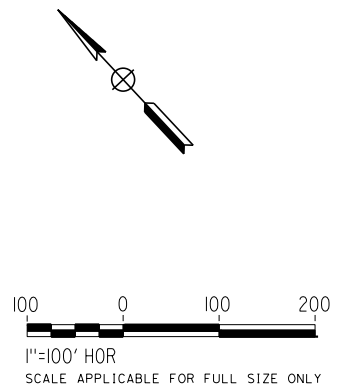
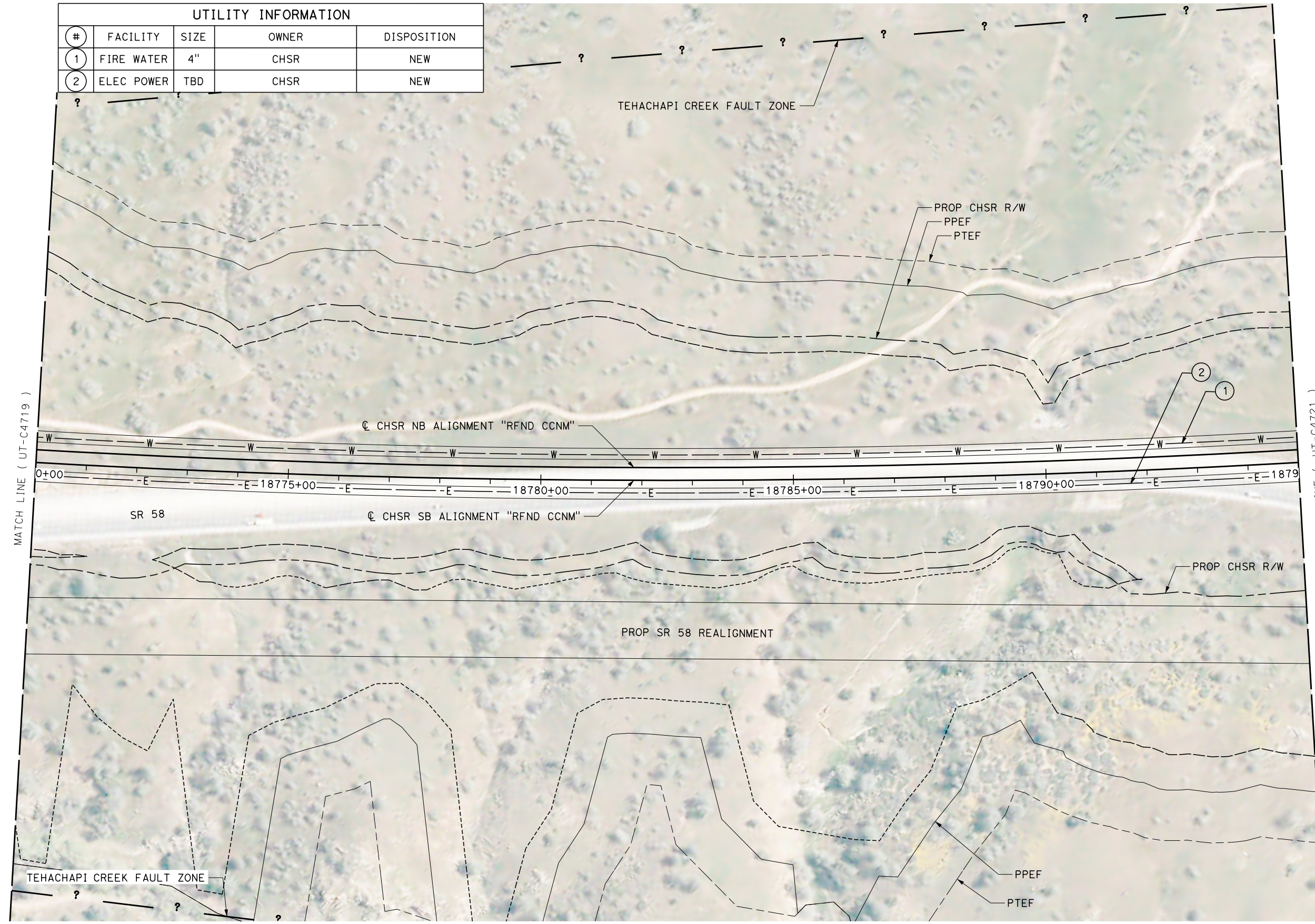
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18745+00 TO 18770+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4719
SCALE
AS SHOWN
SHEET NO.
265

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4720

1/12/2021 11:13:00 PM

1/12/2021

javier_lopez@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

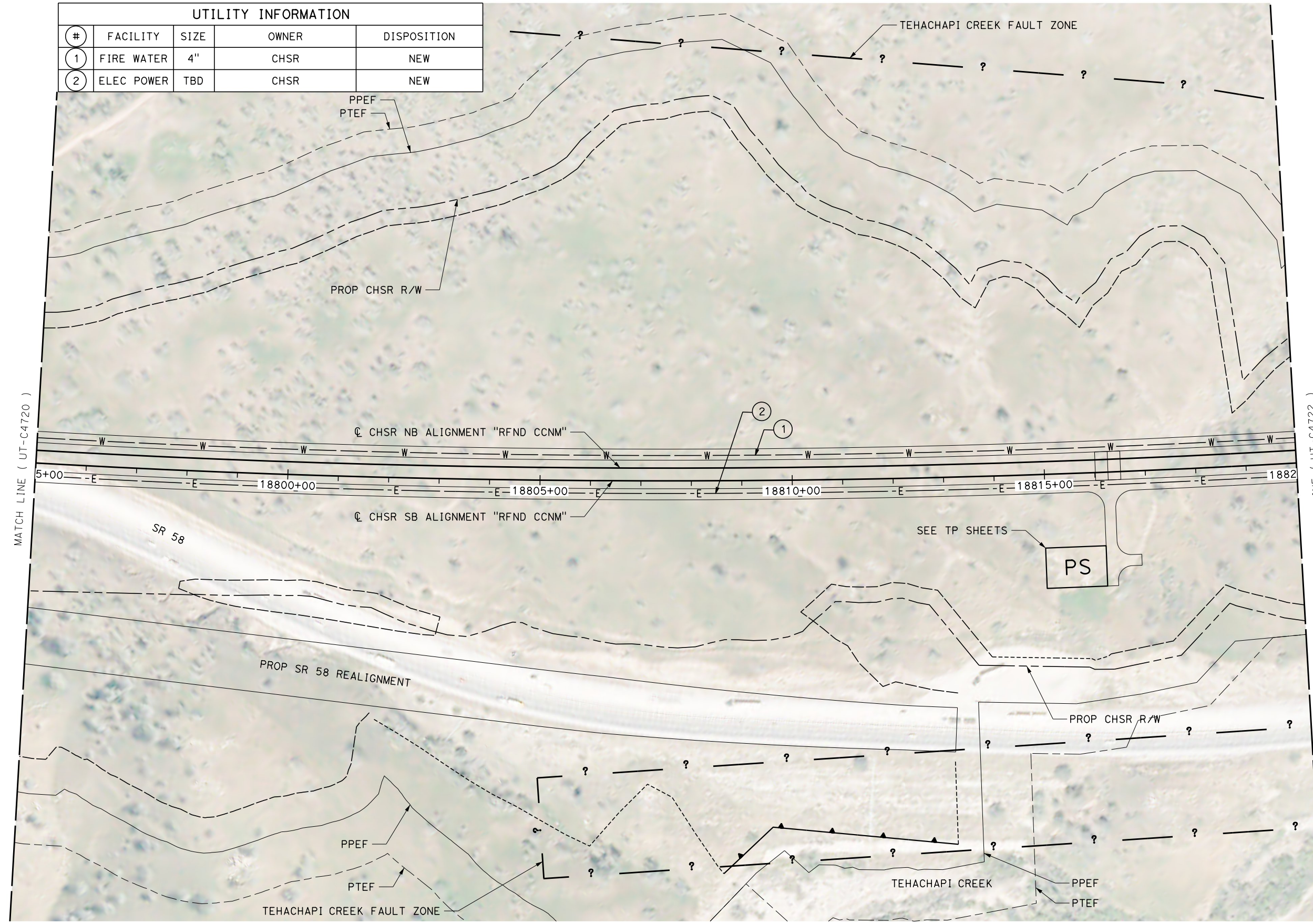
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18770+00 TO 18795+00
PLAN

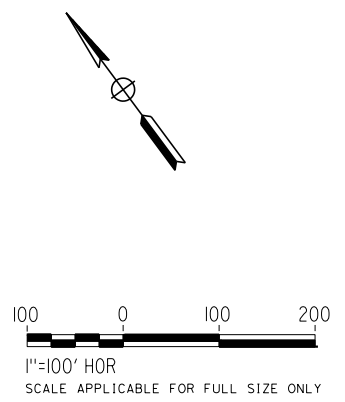
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4720
SCALE
AS SHOWN
SHEET NO.
266

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4720)

MATCH LINE (UT-C4722)



Projects\701206.00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4721

1/12/2021 11:11:14 PM

1/12/2021

javier_lopez@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

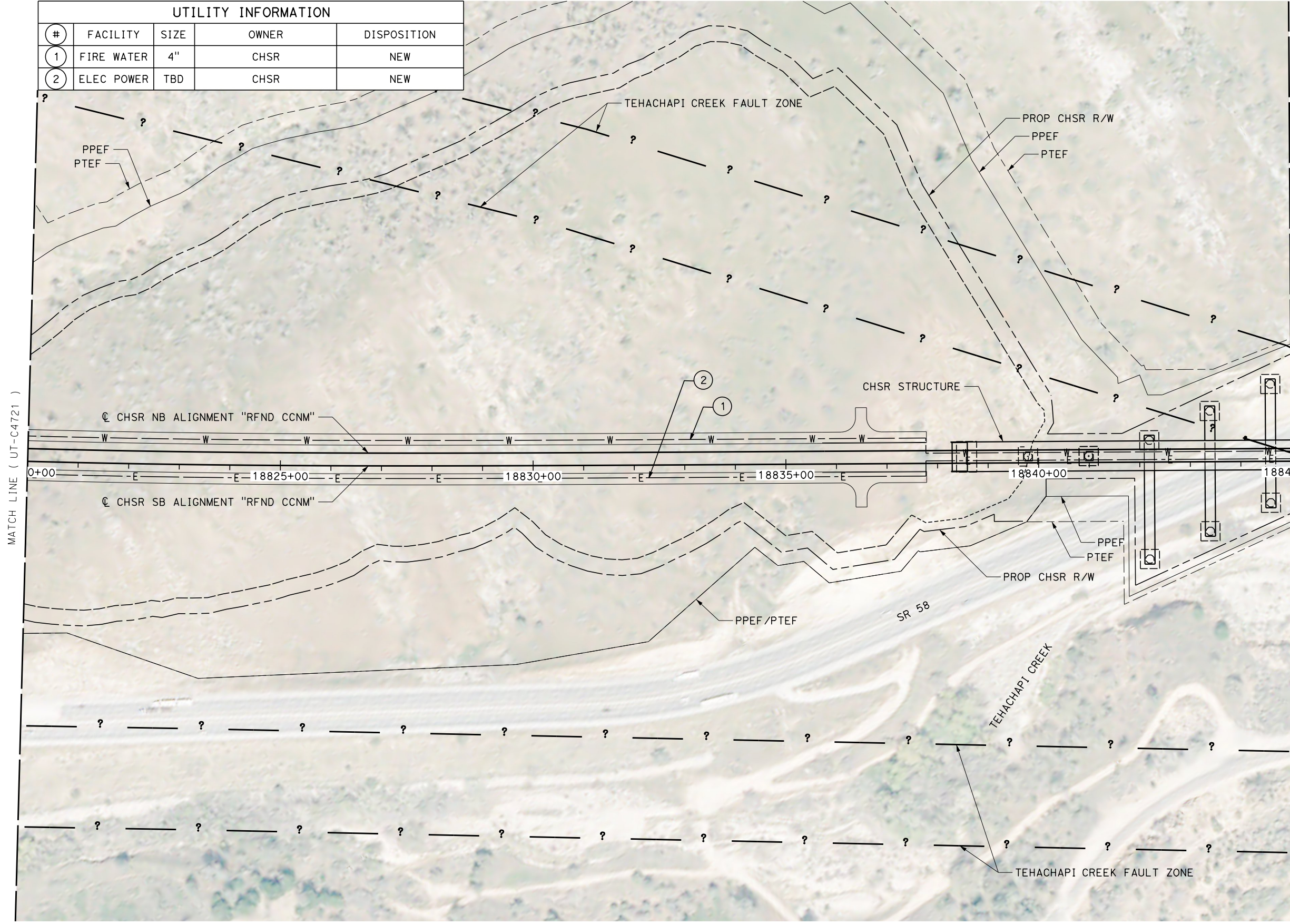
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18795+00 TO 18820+00
PLAN

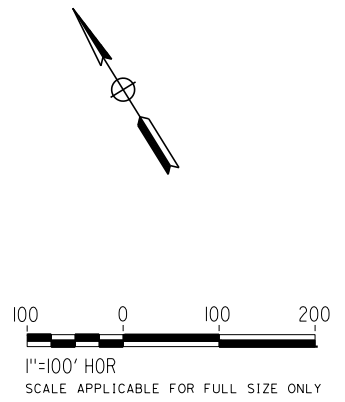
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4721
SCALE
AS SHOWN
SHEET NO.
267

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4721)

MATCH LINE (UT-C4723)



Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4722

11:13:35 PM

1/12/2021

javier_lopez@tylin.com

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN

DRAWN BY
J. LOPEZ

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18820+00 TO 18845+00
PLAN

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4722

SCALE
AS SHOWN

SHEET NO.
268

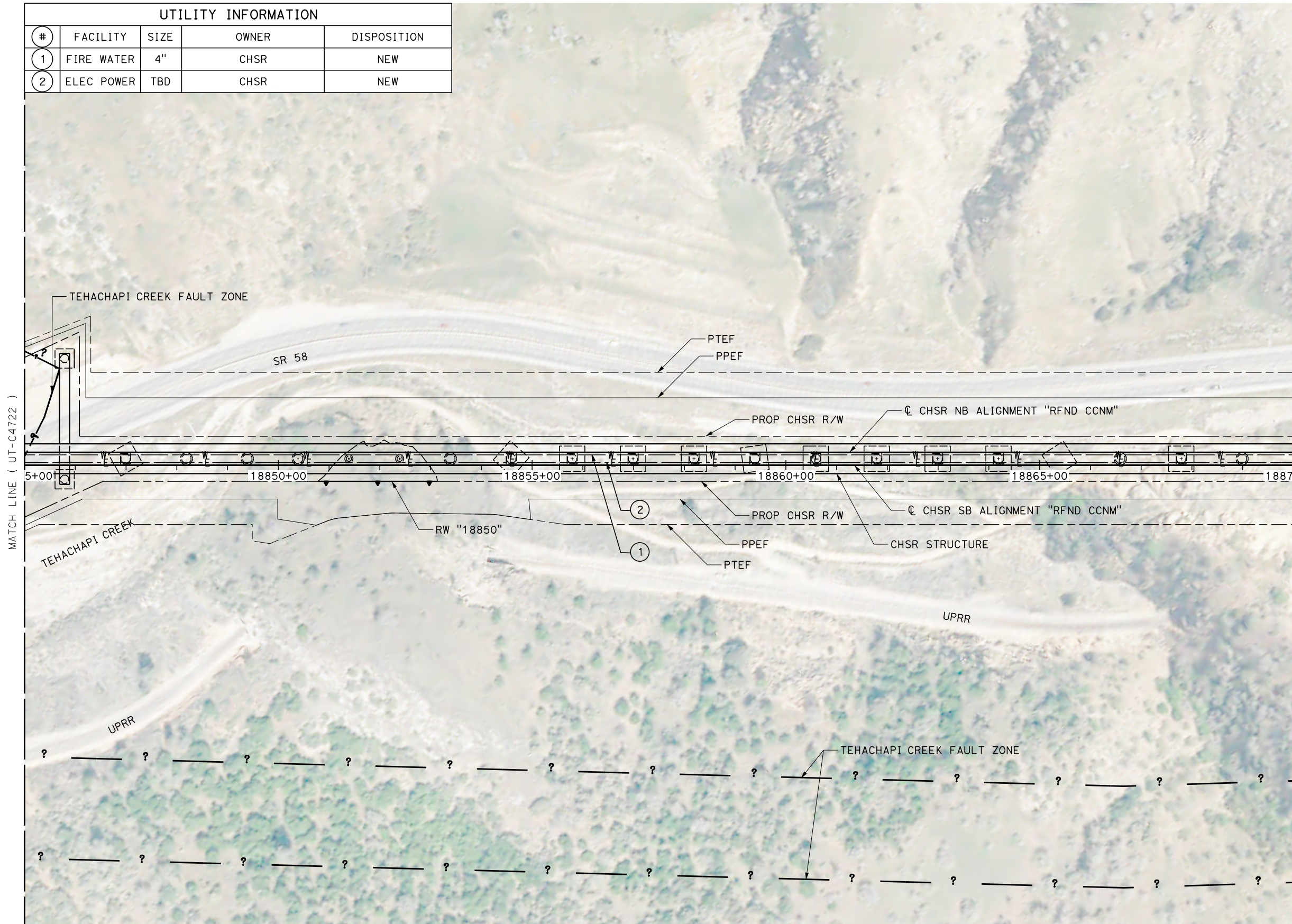
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1/12/2021

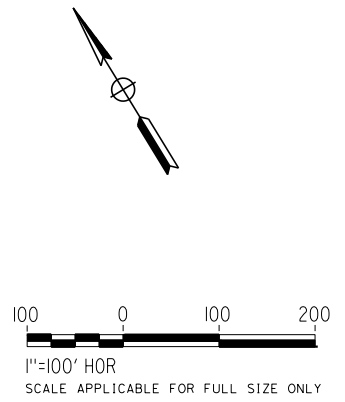
javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4724)

MATCH LINE (UT-C4722)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18845+00 TO 18870+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4723
SCALE
AS SHOWN
SHEET NO.
269

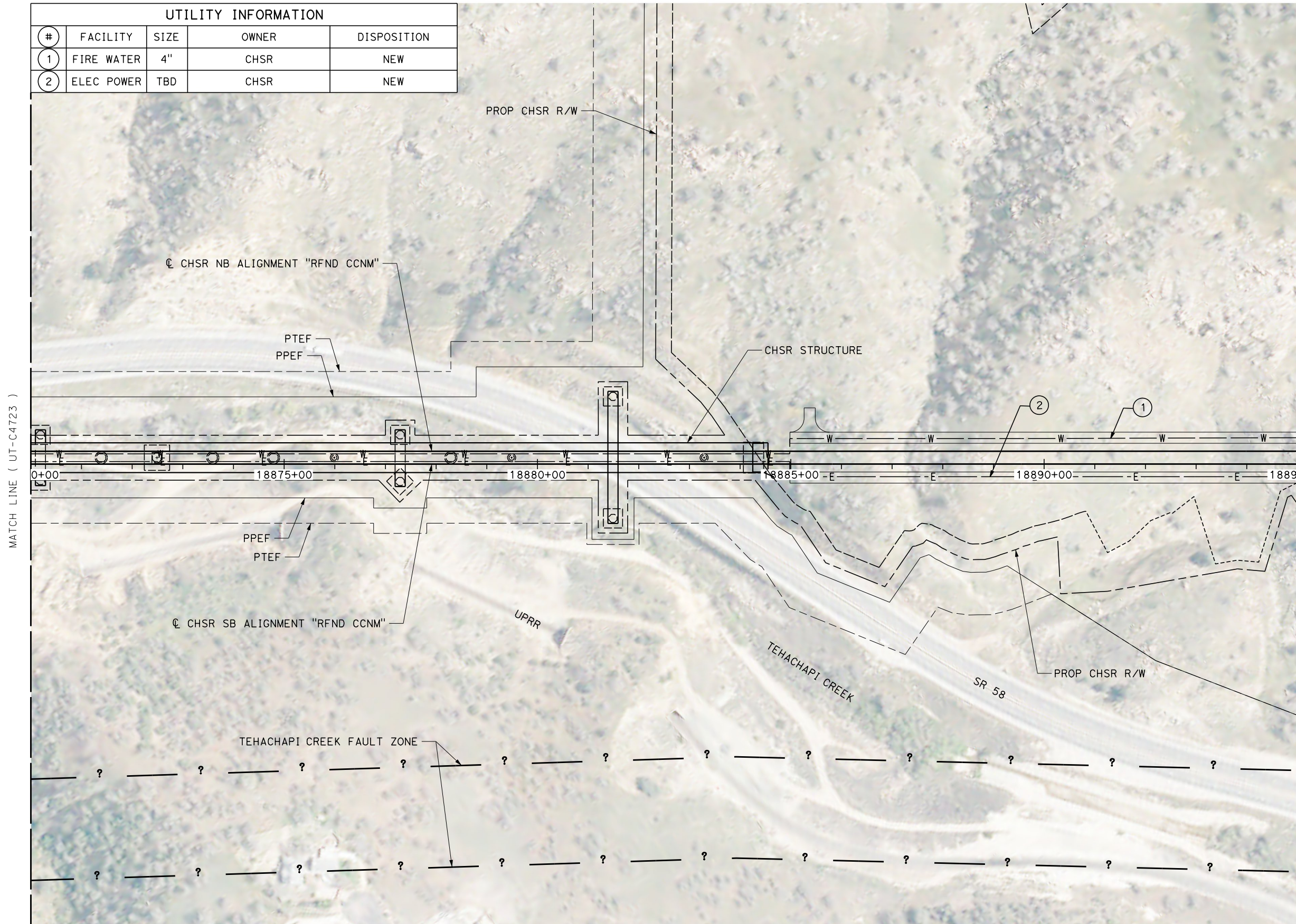
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1/12/2021

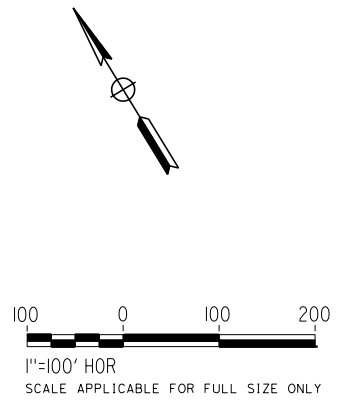
javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4725)

MATCH LINE (UT-C4723)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18870+00 TO 18895+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4724
SCALE
AS SHOWN
SHEET NO.
270

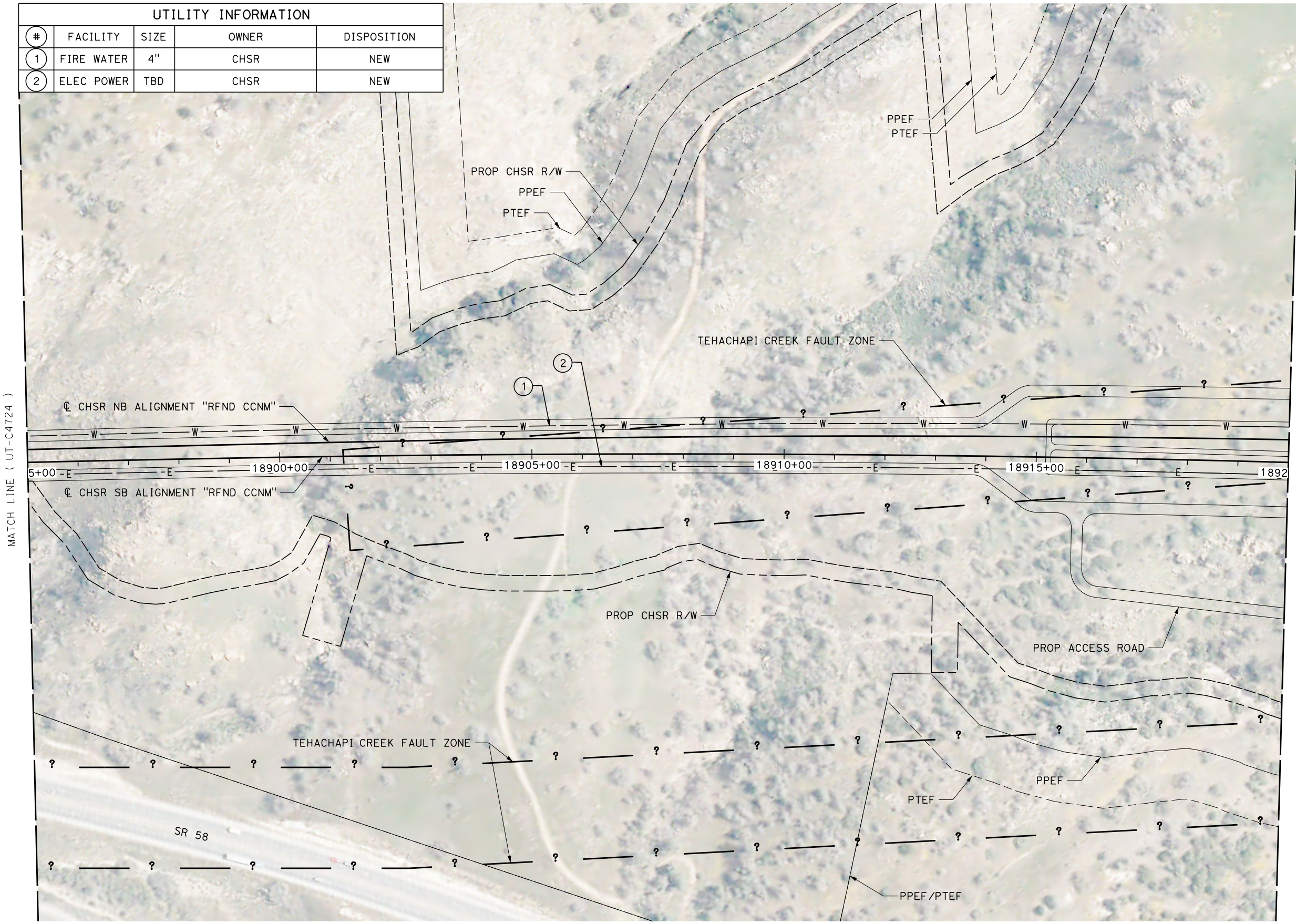
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1/12/2021

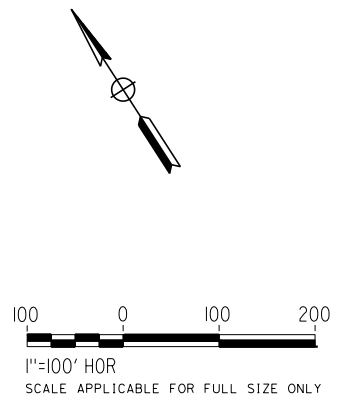
javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4724)

MATCH LINE (UT-C4726)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18895+00 TO 18920+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4725
SCALE
AS SHOWN
SHEET NO.
271

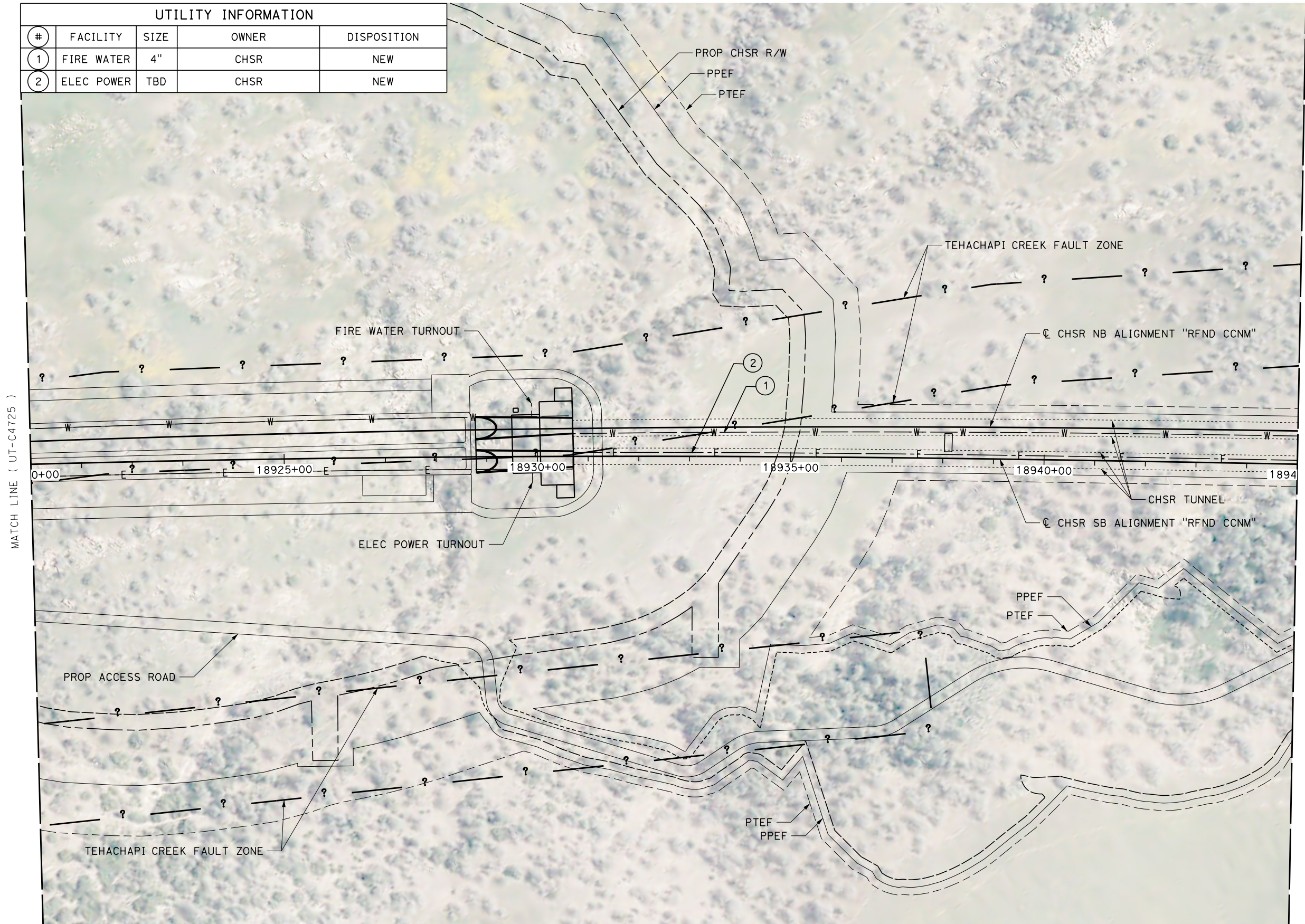
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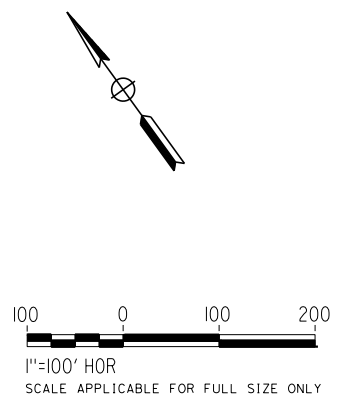
1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4727)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18920+00 TO 18945+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4726
SCALE
AS SHOWN
SHEET NO.
272

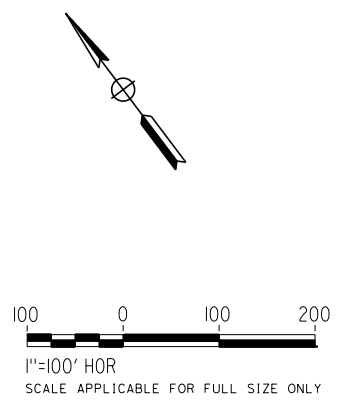
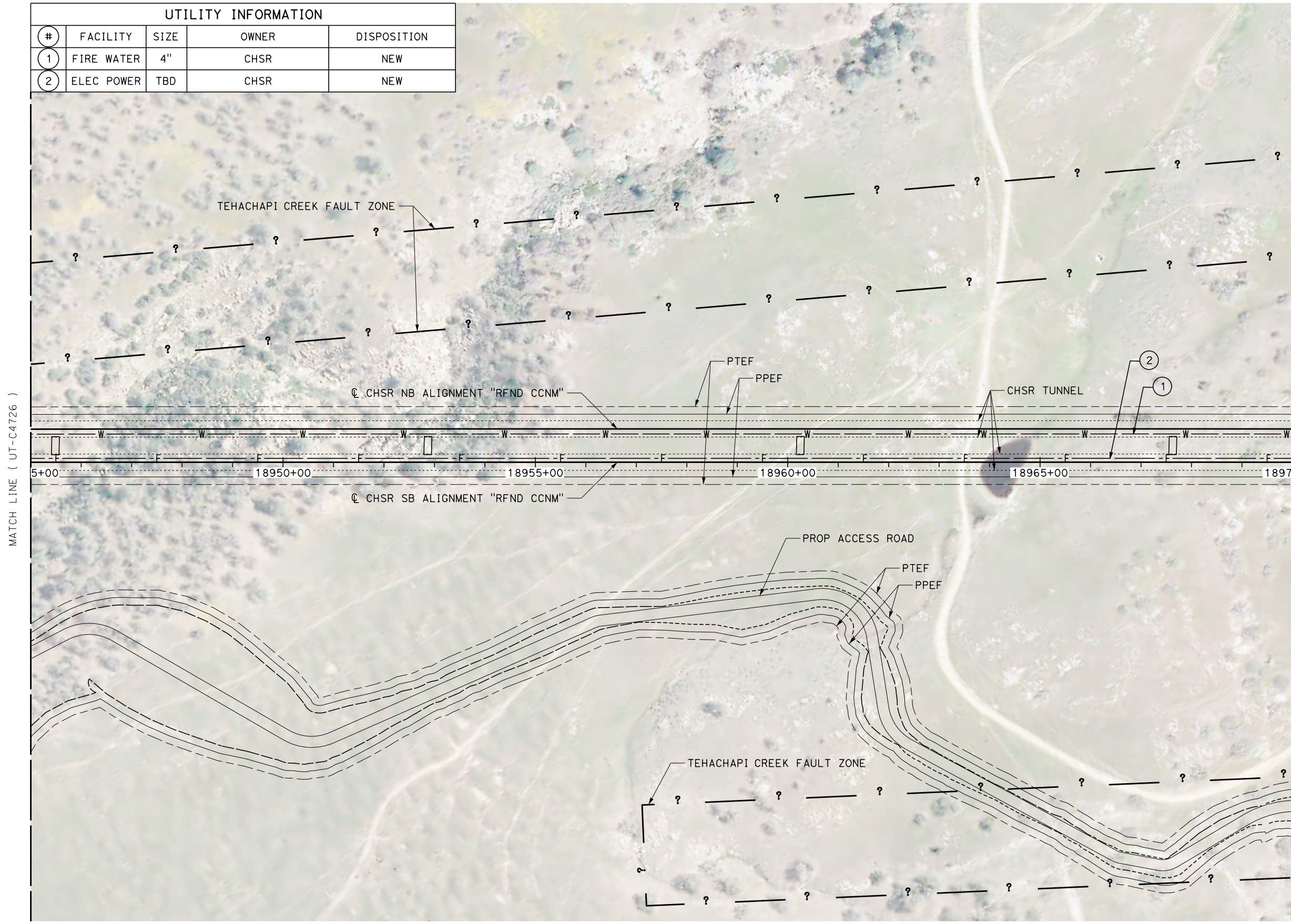
Projects\701206.00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4727

11:11:58 PM

1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN

DRAWN BY
J. LOPEZ

CHECKED BY
G. CAMPBELL

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18945+00 TO 18970+00
PLAN

CONTRACT NO.
HSR13-44

DRAWING NO.
UT-C4727

SCALE
AS SHOWN

SHEET NO.
273

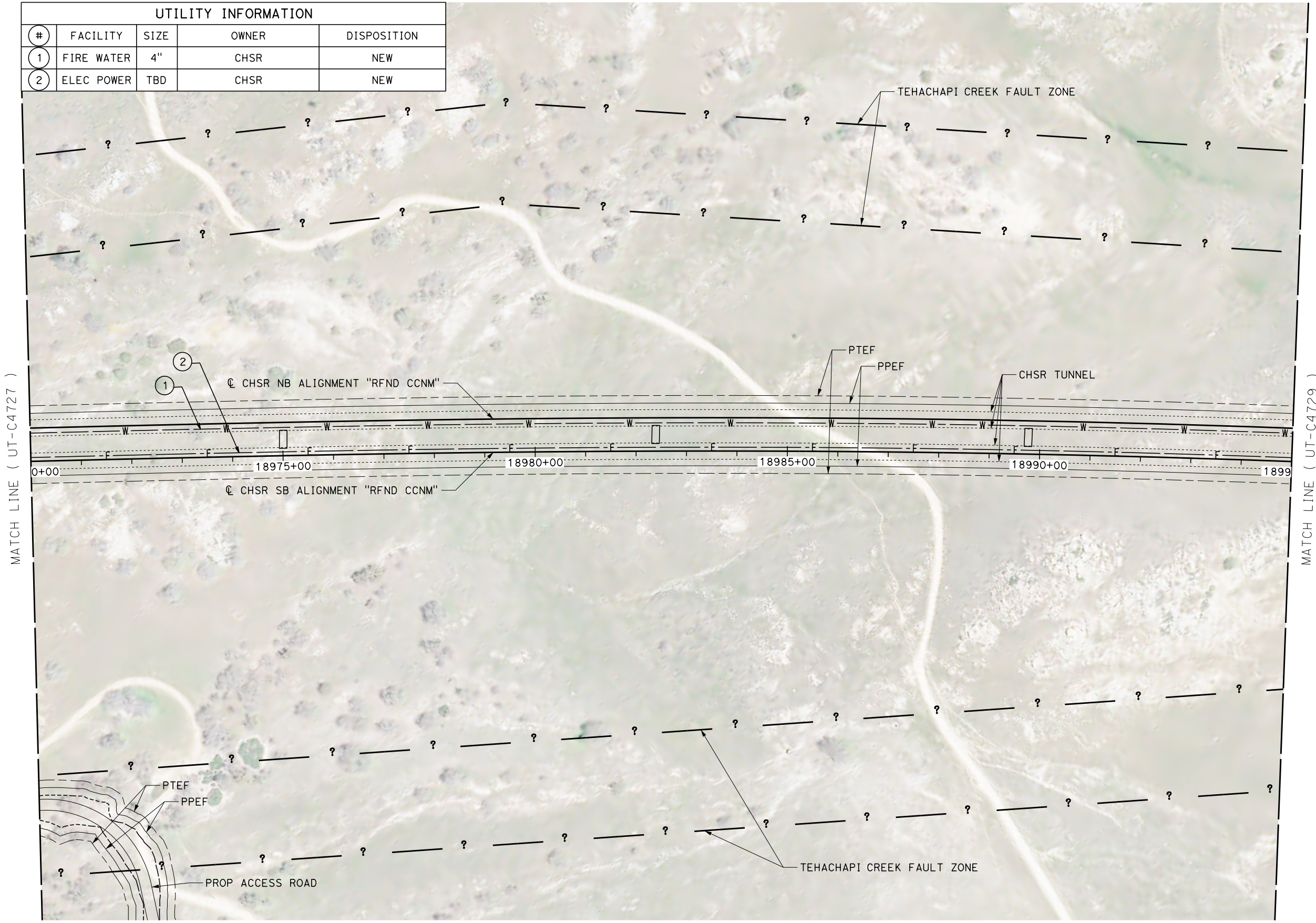
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1/12/2021

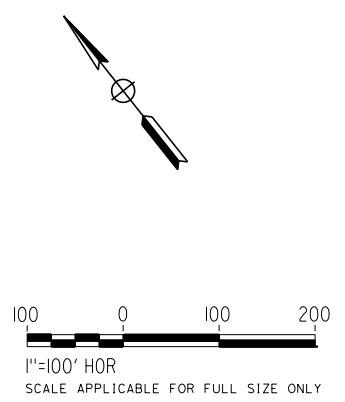
javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



MATCH LINE (UT-C4727)

MATCH LINE (UT-C4729)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18970+00 TO 18995+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4728
SCALE
AS SHOWN
SHEET NO.
274

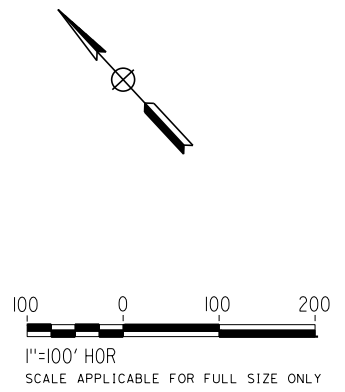
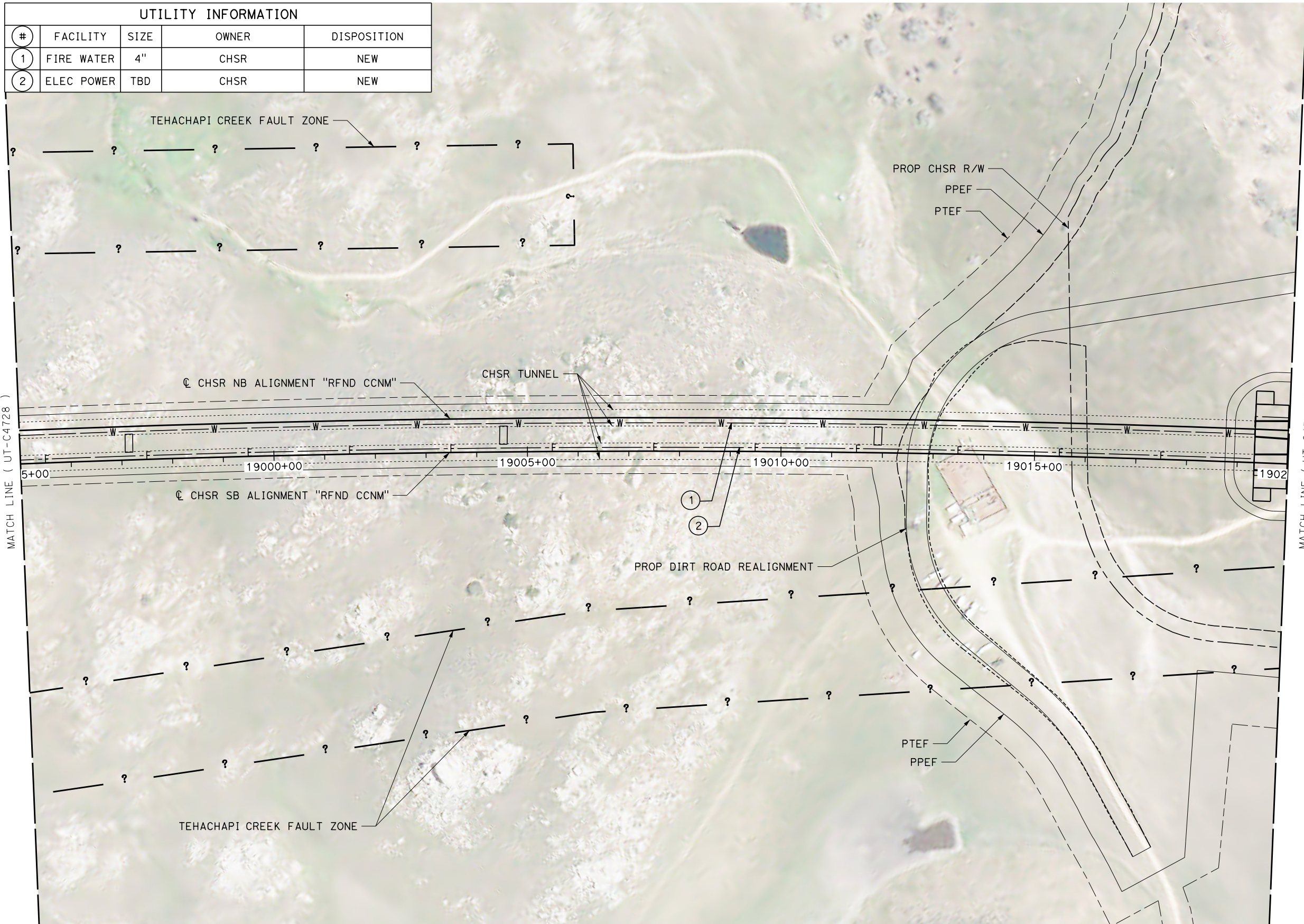
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4729

11:12:02 PM

1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 18995+00 TO 19020+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4729
SCALE
AS SHOWN
SHEET NO.
275

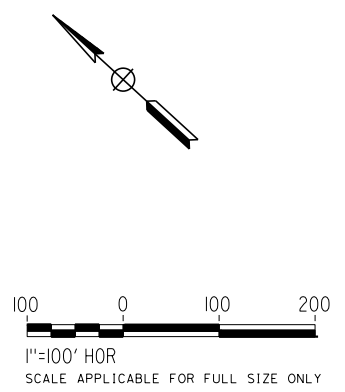
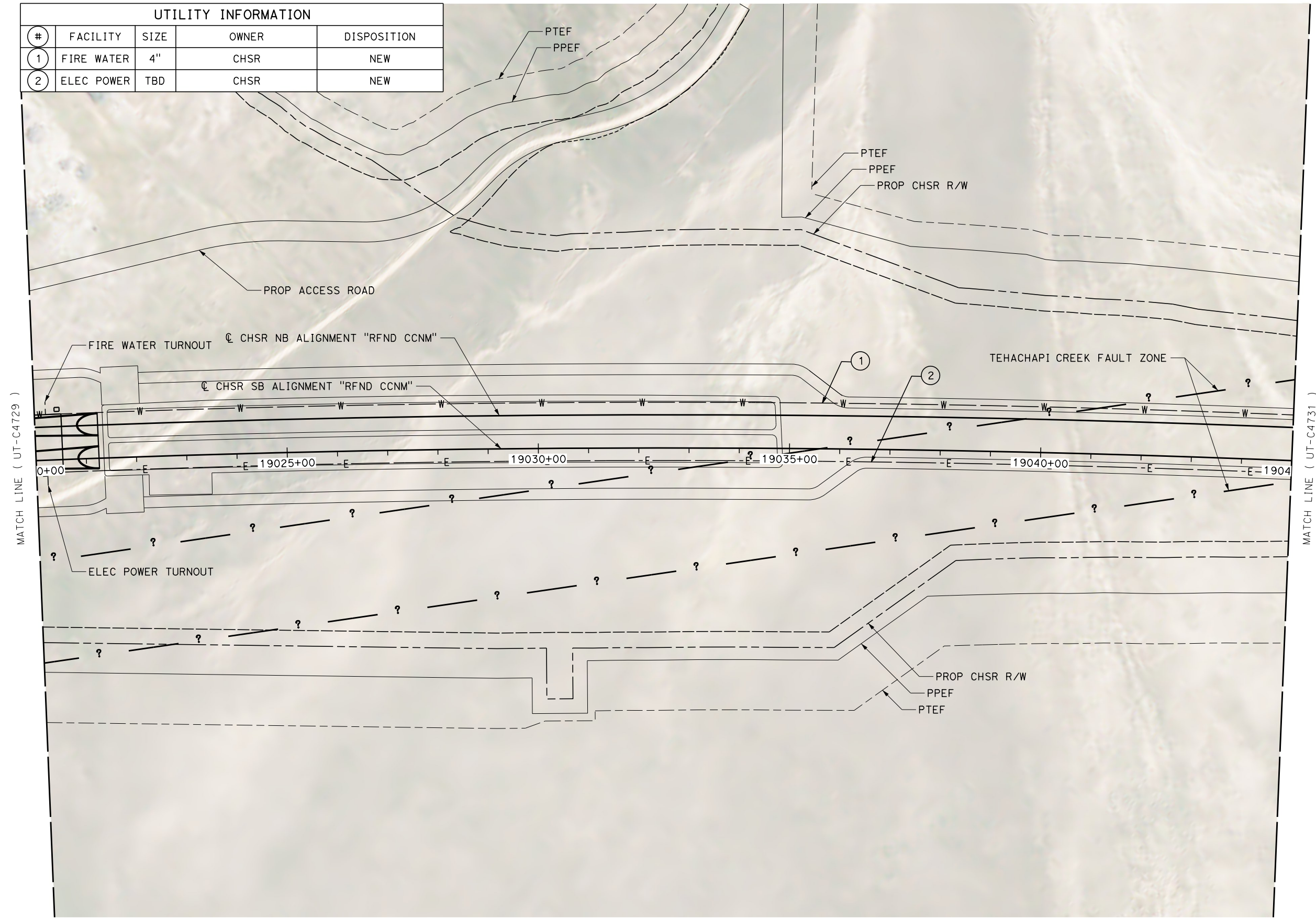
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4730

11:14:15 PM

1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 19020+00 TO 19045+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4730
SCALE
AS SHOWN
SHEET NO.
276

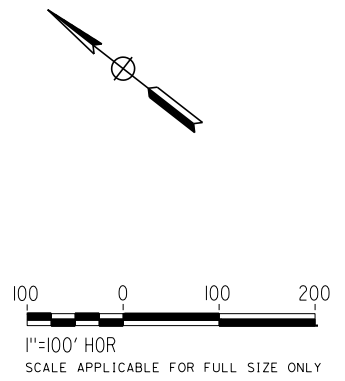
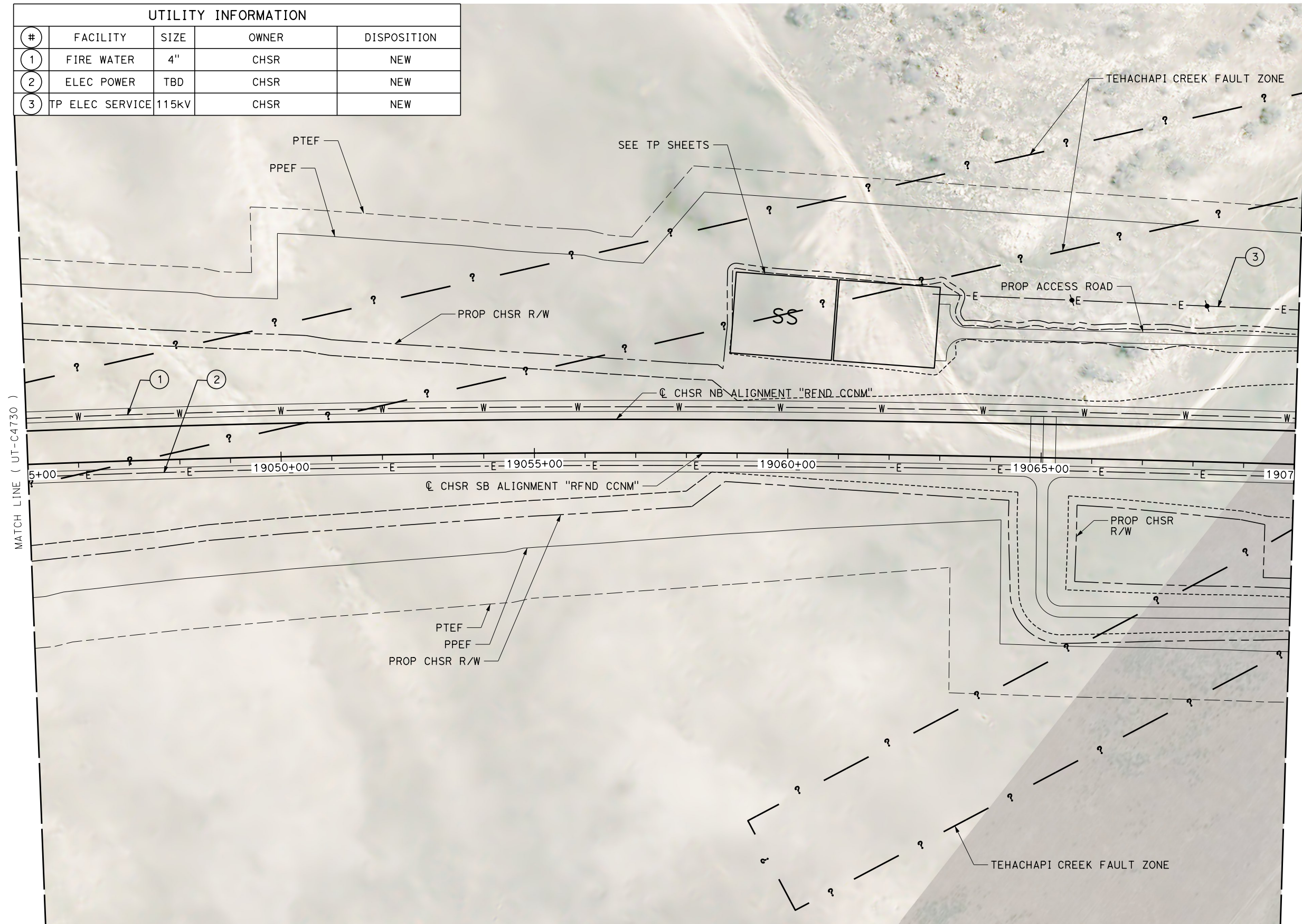
Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4731

11:12:04 PM

1/12/2021

javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	FIRE WATER	4"	CHSR	NEW
2	ELEC POWER	TBD	CHSR	NEW
3	TP ELEC SERVICE	115KV	CHSR	NEW



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 19045+00 TO 19070+00
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4731
SCALE
AS SHOWN
SHEET NO.
277

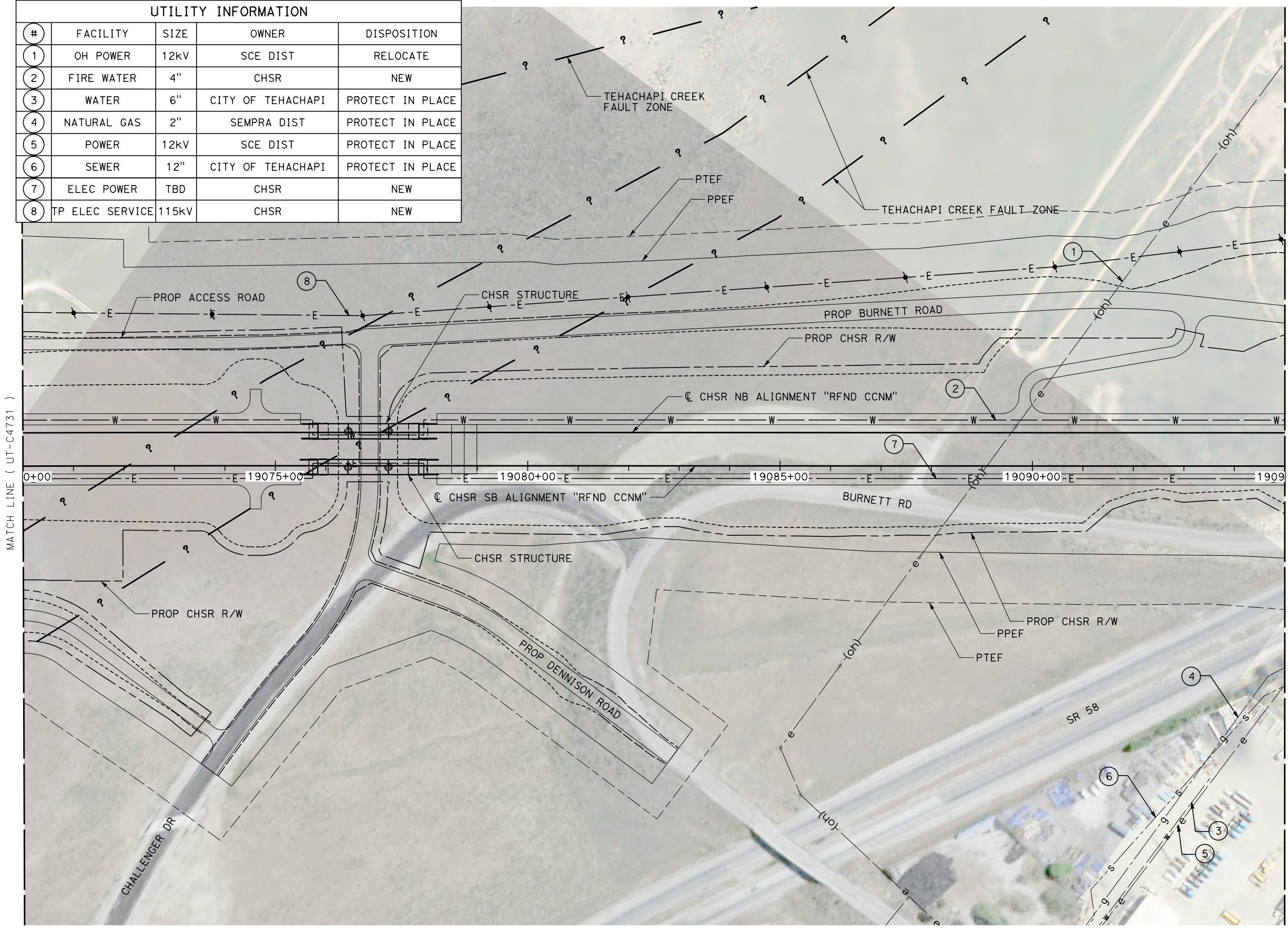
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1/12/2021

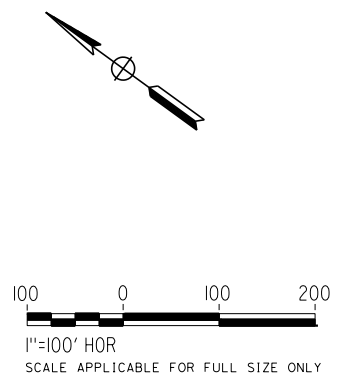
javier_lopez@tylin.com

UTILITY INFORMATION				
#	FACILITY	SIZE	OWNER	DISPOSITION
1	OH POWER	12KV	SCE DIST	RELOCATE
2	FIRE WATER	4"	CHSR	NEW
3	WATER	6"	CITY OF TEHACHAPI	PROTECT IN PLACE
4	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
5	POWER	12KV	SCE DIST	PROTECT IN PLACE
6	SEWER	12"	CITY OF TEHACHAPI	PROTECT IN PLACE
7	ELEC POWER	TBD	CHSR	NEW
8	TP ELEC SERVICE	115KV	CHSR	NEW



MATCH LINE (UT-C4731)

MATCH LINE (UT-C4733)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 19070+00 TO 19095+00
PLAN

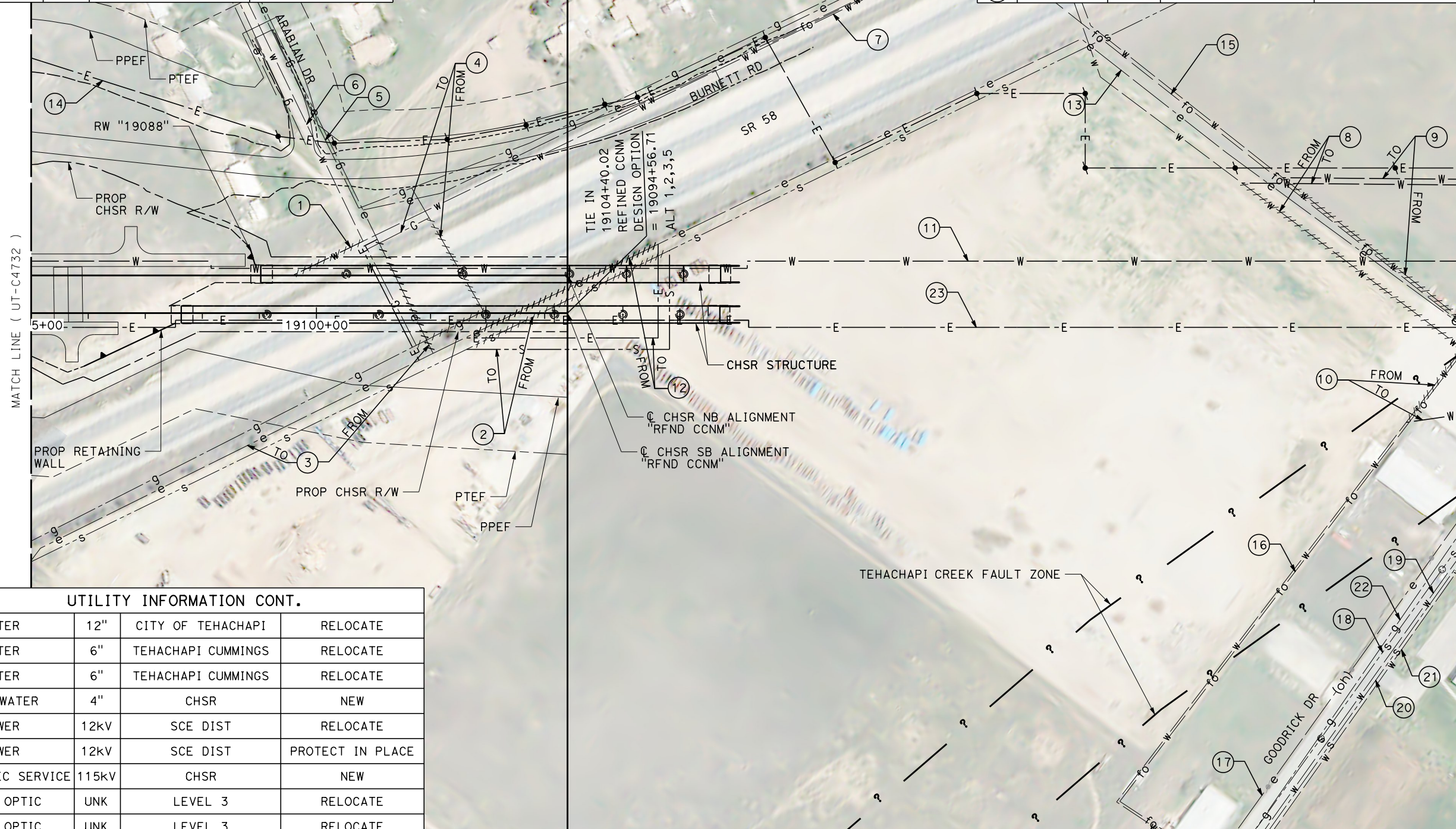
CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4732
SCALE
AS SHOWN
SHEET NO.
278

UTILITY INFORMATION

#	FACILITY	SIZE	OWNER	DISPOSITION
1	WATER	6"	CITY OF TEHACHAPI	REMOVE
2	SEWER	12"	CITY OF TEHACHAPI	RELOCATE
3	POWER	12KV	SCE DIST	RELOCATE
4	NATURAL GAS	2"	SEMPRA DIST	RELOCATE
5	NATURAL GAS	2"	SEMPRA DIST	PROTECT IN PLACE
6	WATER	12"	CITY OF TEHACHAPI	PROTECT IN PLACE
7	WATER	6"	CITY OF TEHACHAPI	PROTECT IN PLACE

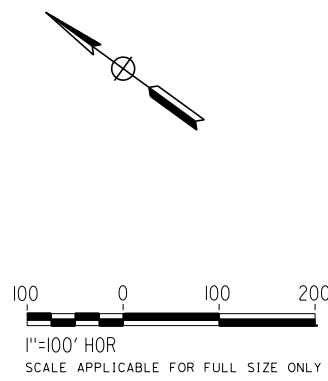
UTILITY INFORMATION CONT.

#	FACILITY	SIZE	OWNER	DISPOSITION
17	POWER	12KV	SCE DIST	PROTECT IN PLACE
18	SEWER	8"	CITY OF TEHACHAPI	PROTECT IN PLACE
19	WATER	12"	CITY OF TEHACHAPI	PROTECT IN PLACE
20	SEWER	12"	CITY OF TEHACHAPI	PROTECT IN PLACE
21	WATER	8"	CITY OF TEHACHAPI	PROTECT IN PLACE
22	NATURAL GAS	4"	SEMPRA DIST	PROTECT IN PLACE
23	ELEC POWER	TBD	CHSR	NEW



UTILITY INFORMATION CONT.

#	FACILITY	SIZE	OWNER	DISPOSITION
8	WATER	12"	CITY OF TEHACHAPI	RELOCATE
9	WATER	6"	TEHACHAPI CUMMINGS	RELOCATE
10	WATER	6"	TEHACHAPI CUMMINGS	RELOCATE
11	FIRE WATER	4"	CHSR	NEW
12	POWER	12KV	SCE DIST	RELOCATE
13	POWER	12KV	SCE DIST	PROTECT IN PLACE
14	TP ELEC SERVICE	115KV	CHSR	NEW
15	FIBER OPTIC	UNK	LEVEL 3	RELOCATE
16	FIBER OPTIC	UNK	LEVEL 3	RELOCATE



Projects\701206_00_CHSRBP\00_CADD\CCNM Option D\Sheets\UT\BP-UT-C4733 1/12/2021 11:12:31 PM javier_lopez@tylin.com

DESIGNED BY
D. HOLMAN
DRAWN BY
J. LOPEZ
CHECKED BY
G. CAMPBELL
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

**RECORD SET
PEPD
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

TYLIN INTERNATIONAL



**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
REFINED CCNM DESIGN OPTION
COMPOSITE UTILITY PLAN
STA 19095+00 TO 19104+40
PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
UT-C4733
SCALE
AS SHOWN
SHEET NO.
279

REV	DATE	BY	CHK	APP	DESCRIPTION