



# COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS  
P.O. BOX 1810-1810 E. HAZELTON AVENUE  
STOCKTON, CALIFORNIA 95201  
(209) 468-3000  
FAX # (209) 468-9324

Permit No: PS-1601364  
Date Issued: 05/13/2016  
Start Date: 05/13/2016  
Exp. Date: 06/01/2016  
Project No: PWP730079  
Quad: NE

UE/CR/PM NO:A00CDK1

## ENCROACHMENT PERMIT

To: AT & T - FRESNO  
5555 E. OLIVE RM#300III  
FRESNO, CA 93727

### Encroachment Type:

TCP			
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### Location:

ELLIOT RD@PELTIER RD

In compliance with your request of **05/13/2016**, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

~~Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way.~~ All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. ~~Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.~~

### Special Comments:

Traffic Control Per MUTCD
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FORMS:	SS/WW, R-29		
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Est. Permit Fee: \$436.00

KRIS BALAJI, Director  
Department of Public Works

WHITE	-Permittee
GOLDENROD	-PWD Central File
YELLOW	-Field Inspection
PINK	-Permit Section

By:                       
Permit Section

## ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1.

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:  
STREETS AND HIGHWAYS CODE
  1. Division 1, Chapter 3
  2. Division 2, Chapter 2, Section 942
  3. Division 2, Chapter 4, Section 1126
  4. Division 2, Chapter 5.5 and Chapter 6

SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

# APPLICATION FOR ENCROACHMENT PERMIT

## PLEASE PRINT:

Date 04/11/2016

To: San Joaquin County  
Department of Public Works

AT&T / Sherry Parks (Permits Desk)  
 (Applicant Name)

5555 E. Olive Ave  
 (Mailing Address)

Fresno, CA 93727  
 (City, State, Zip Code)

(559) 454-4900 g26977@att.com  
 (Area Code - Telephone Number)

OFFICE USE ONLY			
JOB #	<u>730079</u>	REF #	
APN		CR #	
EXP. DATE	<u>6-1-16</u>		
VALID	<u>5-13-16</u> TO <u>6-1-16</u>	DRIVEWAYS:	
STREET	<u>Elliot Rd</u>	*	
AREA	<u>Locketford</u> QUAD <u>NE</u>	*	
TYPE	<u>TCP</u>	*	
FORMS	<u>SSWW</u>		
NOTES			

Sketch (Detailed plans may be submitted)

PROJECT A00CDK1

Please see the attached drawings

A00CDK1

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the E side of Elliot Rd approximately 0 feet/mile Feet of Peltier Rd, by performing the following work (description of work):

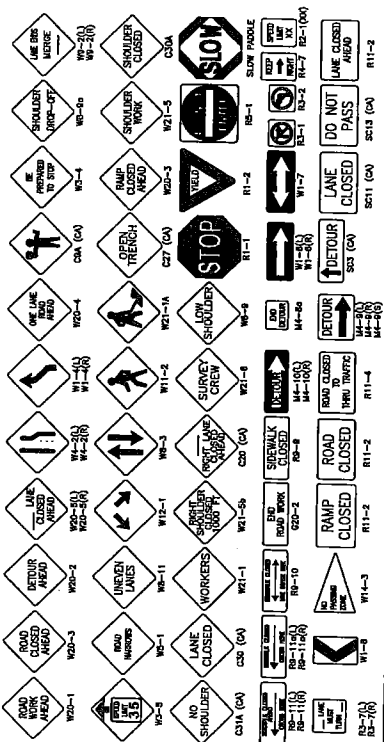
Traffic control plan is in place for splice box and aerial access. Please see the attached drawings. TCP NEEDED FOR APPROX. 2 WORK DAYS

Work will commence on or about 5/9/16 for approximately 2 days.

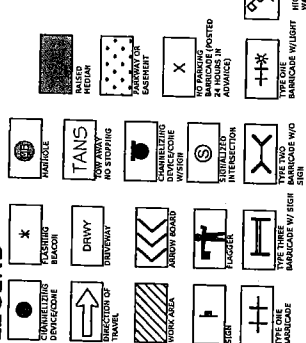
I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Sherry Parks Engineering Administrator 4-11-2016  
 Signature of Applicant - Title for Date

# SIGN LEGEND



## LEGEND



# REQUIREMENTS:

1. THE CONTRACTOR IS RESPONSIBLE FOR PROMPTLY RESTORING THE ROAD BACK TO SATISFACTORY CONDITION WHICH INCLUDES, BUT IS NOT LIMITED TO, PAVING, STRIPPING, MARKING, AND LOOP DETECTION. ALL PLANS SHALL BE IN ACCORDANCE WITH 2014 CA MUTCD.
2. THE AGENCY RESERVES THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND TO MAKE CHANGES AS FIELD CONDITIONS WARRANT.
3. TRENCHES SHALL BE BACK-FILLED ON STEEL PLATES DURING NON-WORK HOURS. STEEL PLATES SHALL HAVE AN ASPHALT RAMP ON ALL EDGES, SECURELY SUPPORTED SO THEY WON'T ROCK AND CAUSE DAMAGE TO THE ROAD. CONTRACTORS SHALL HAVE AN ASPHALT RAMP ON ALL EDGES, SECURELY SUPPORTED SO THEY WON'T ROCK AND CAUSE DAMAGE TO THE ROAD. CONTRACTORS SHALL HAVE AN ASPHALT RAMP ON ALL EDGES, SECURELY SUPPORTED SO THEY WON'T ROCK AND CAUSE DAMAGE TO THE ROAD.
4. ANY WORK THAT CREATES AN UNUSUAL SAFETY RISK OR THAT CREATES SEVERE CONGESTION WILL BE SHUT DOWN BY THE AGENCY.
5. A COPY OF ALL TRAFFIC REQUIREMENTS AND TRAFFIC CONTROL PLANS ISSUED BY THE AGENCY MUST BE KEPT ON THE JOB SITE.
6. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE AN OFFICIAL PERMIT. CONTACT THE AGENCY FOR INFORMATION ON OBTAINING A PERMIT.
7. ALL TRAVEL LANES WILL TYPICALLY BE A MINIMUM OF 12 FEET WIDE, 14 FEET IF ADJACENT TO BIKE LANES, UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE AGENCY.
8. FLASHING ARROW BOARDS AS REQUIRED BY THE AGENCY.
9. WARNING (W) SERIES SIGNS USED IN WORK ZONES SHALL BE BLACK ON AN ORANGE BACKGROUND.
10. CONES AND PYLONS SHALL HAVE YELLOW REFLECTORIZED SLEEVES WHEN PLACED ALONG THE CENTERLINE AND WHITE REFLECTORIZED SLEEVES ALONG THE OUTSIDE SHOULDER.
11. IF PARKING IS ALLOWED IN THE ADVANCE WORKING AREA, ADVANCE WARNING SIGNS SHALL BE MOUNTED ON HIGH LEVEL DEVICES.
12. THE CONTRACTOR SHALL POST TOW-AWAY/NO PARKING SIGNS SEVENTY-TWO (72) HOURS IN ADVANCE, WITH DAY OF WEEK, DATE, AND WORK HOURS NOTED, AND SHALL USE PARKING METERS WHERE APPLICABLE.
13. ALL WORK SHALL BE DONE IN PHASES.
14. WORKERS SHALL WEAR HARD HATS AND ORANGE VESTS AT ALL TIMES.
15. COUNTY TRANSIT DISTRICT SHALL BE NOTIFIED (5) WORKING DAYS PRIOR TO ANY WORK THAT AFFECTS BUS STOPS.
16. CONTRACTOR SIGNS SHALL NOT OBSTRUCT SIGHT VISIBILITY AT DRIVEWAYS.
17. CONTRACTOR SHALL NOTIFY ALL LOCAL BUSINESS OWNERS/OCCUPANTS TWO DAYS IN ADVANCE PRIOR TO ANY CONSTRUCTION ADJACENT TO BUSINESSES.

**TABLE EC-1 2014 CALIFORNIA MUTCD - STOPPING DISTANCE AS A FUNCTION OF SPEED**

Speed (MPH)	Stopping Distance (Feet)
20	115
25	155
30	200
35	250
40	305
45	365
50	430
55	500
60	575
65	655
70	740
75	830
80	925
85	1025
90	1130
95	1240
100	1355

**TABLE EC-2 2014 CALIFORNIA MUTCD - SUGGESTED MINIMUM ADVANCE WARNING SIGN SPACING**

ROAD TYPE	A	B	C
Urban Intersecting Through High-Speed Road	100 FEET	100 FEET	100 FEET
Urban Intersecting Through Low-Speed Road	250 FEET	250 FEET	250 FEET
Urban Intersecting Through High-Speed Road	350 FEET	350 FEET	350 FEET
Urban Intersecting Through Low-Speed Road	500 FEET	500 FEET	500 FEET
Urban Intersecting Through High-Speed Road	1000 FEET	1000 FEET	1000 FEET
Urban Intersecting Through Low-Speed Road	1500 FEET	1500 FEET	1500 FEET

**TABLE EC-3 2014 CALIFORNIA MUTCD - STOPPING DISTANCE AS A FUNCTION OF SPEED**

Speed (MPH)	Stopping Distance (Feet)
20	115
25	155
30	200
35	250
40	305
45	365
50	430
55	500
60	575
65	655
70	740
75	830
80	925
85	1025
90	1130
95	1240
100	1355

**TABLE EC-4 2014 CALIFORNIA MUTCD - FORMULA FOR DETERMINING TAPER LENGTH**

WHERE: L = TAPER LENGTH IN FEET  
S = INITIAL SPEED IN MPH  
F = WIDTH OF OBJECT IN FEET  
W = WIDTH OF OBJECT IN FEET  
S = INITIAL SPEED IN MPH  
F = WIDTH OF OBJECT IN FEET

# COUNTY OF: SAN JOAQUIN

## TRAFFIC CONTROL PLAN

JOB NUMBER: A00CDK1  
SCALE: NONE  
PAGE: 1 OF 5

PLANS PREPARED BY: NAME: DUSTIN PARR  
PHONE: 619-490-4732  
DATE: 04-06-16

PLANS ACCEPTED BY: NAME: \_\_\_\_\_  
DATE: \_\_\_\_\_  
R.C.E. \_\_\_\_\_  
EXP. DATE: \_\_\_\_\_

PERMIT WORK EXTENSIONS MUST BE OBTAINED BY THE END OF PERMIT DATE



START DATE: \_\_\_\_\_

END DATE: \_\_\_\_\_

PERMIT WORK EXTENSIONS MUST BE OBTAINED BY THE END OF PERMIT DATE

FOR HOURS OF DARKNESS, CHANGE CONES TO VERTICAL BARRICADES WITH STEADY BURN LIGHTS.

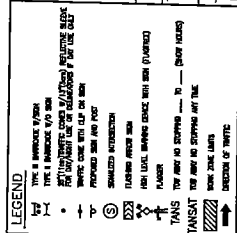
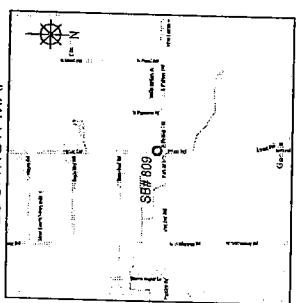
NOTHING CONTAINED ON THIS DRAWING SHALL PREVENT LOCAL JURISDICTIONS FROM MODIFYING, CHANGING, OR ADOPTING NEW SPECIFICATIONS DEEMED NECESSARY.

CRITERIA FOR POSITION, LOCATION, AND USE OF TRAFFIC CONTROL DEVICES IS ONLY FOR THE PURPOSE OF GUIDANCE TO ASSIST IN THE SET UP OF THE TRAFFIC CONTROL PLANS.

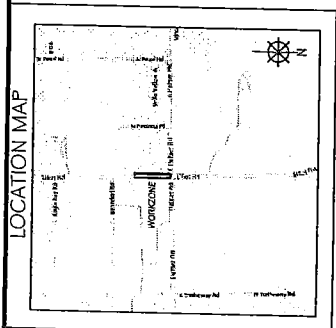
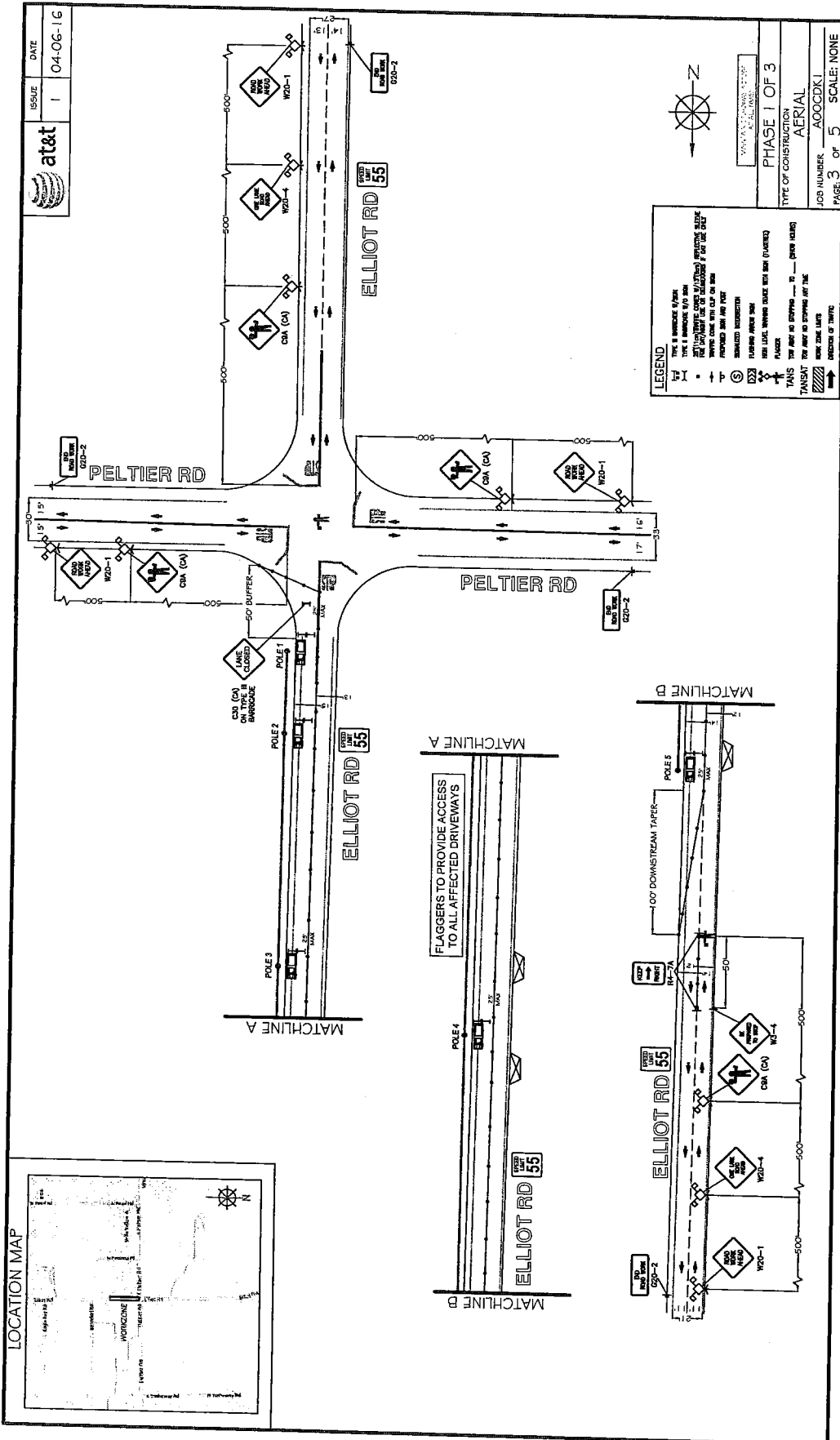
WORK TO BE DONE  
SPUR BOX ACCESS & AERIAL

FROM: \_\_\_\_\_  
TO: \_\_\_\_\_  
BENDROFF RD

PERMIT NO. \_\_\_\_\_



SPICEBOX 809  
TYPE OF CONSTRUCTION  
SPICEBOX ACCESS  
JOB NUMBER A00CDK1  
PAGE 2 OF 5 SCALE: NONE

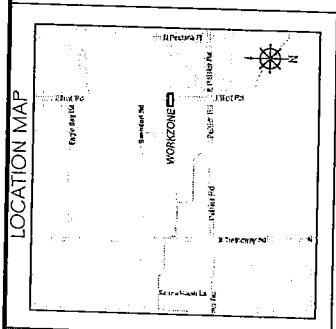
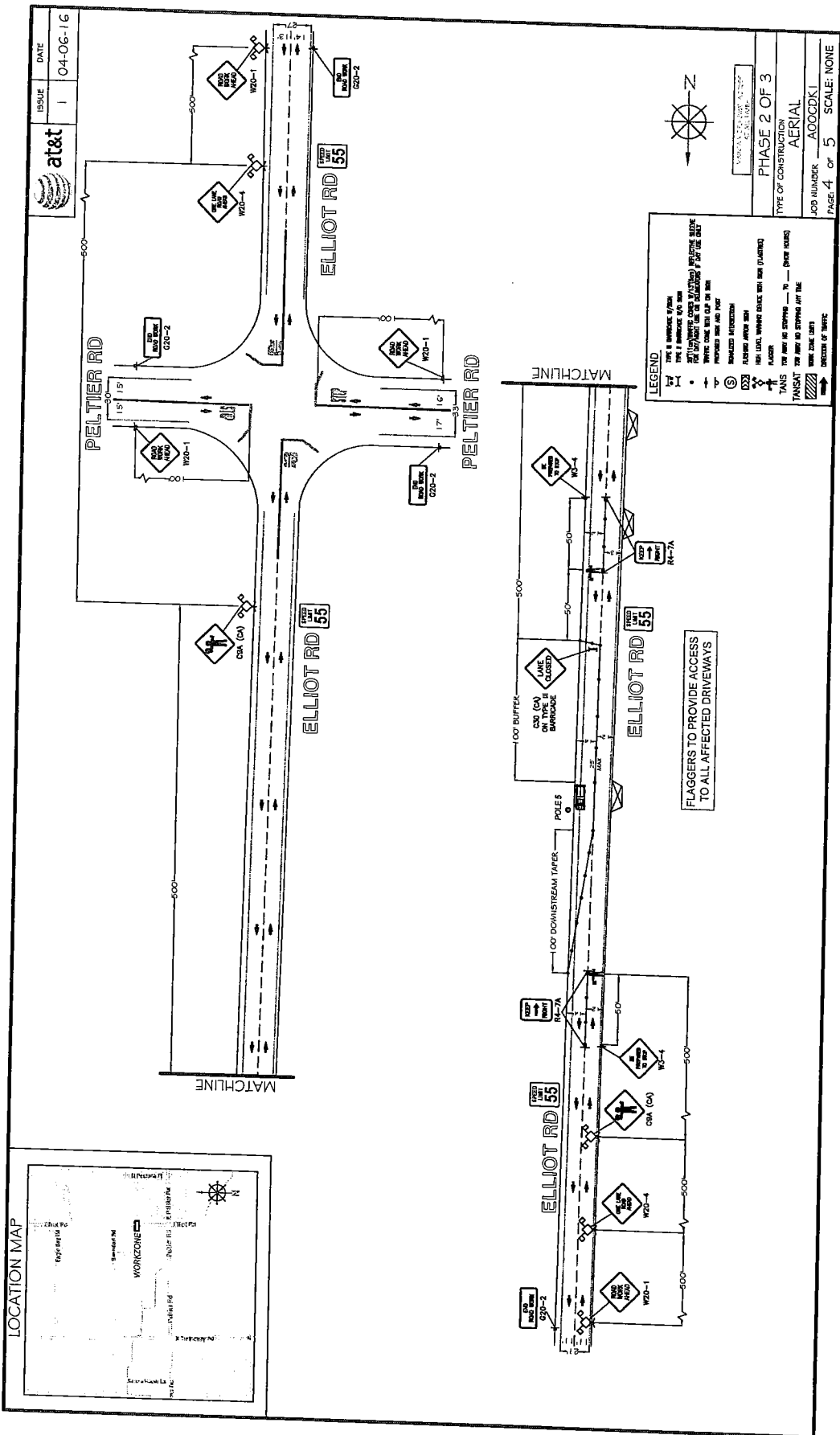


**LEGEND**

1/2" = 1' SCALE	TYPE 1 WORKZONE SIGN	TYPE 2 WORKZONE SIGN	TYPE 3 WORKZONE SIGN	TYPE 4 WORKZONE SIGN	TYPE 5 WORKZONE SIGN	TYPE 6 WORKZONE SIGN	TYPE 7 WORKZONE SIGN	TYPE 8 WORKZONE SIGN	TYPE 9 WORKZONE SIGN	TYPE 10 WORKZONE SIGN	TYPE 11 WORKZONE SIGN	TYPE 12 WORKZONE SIGN	TYPE 13 WORKZONE SIGN	TYPE 14 WORKZONE SIGN	TYPE 15 WORKZONE SIGN	TYPE 16 WORKZONE SIGN	TYPE 17 WORKZONE SIGN	TYPE 18 WORKZONE SIGN	TYPE 19 WORKZONE SIGN	TYPE 20 WORKZONE SIGN	TYPE 21 WORKZONE SIGN	TYPE 22 WORKZONE SIGN	TYPE 23 WORKZONE SIGN	TYPE 24 WORKZONE SIGN	TYPE 25 WORKZONE SIGN	TYPE 26 WORKZONE SIGN	TYPE 27 WORKZONE SIGN	TYPE 28 WORKZONE SIGN	TYPE 29 WORKZONE SIGN	TYPE 30 WORKZONE SIGN	TYPE 31 WORKZONE SIGN	TYPE 32 WORKZONE SIGN	TYPE 33 WORKZONE SIGN	TYPE 34 WORKZONE SIGN	TYPE 35 WORKZONE SIGN	TYPE 36 WORKZONE SIGN	TYPE 37 WORKZONE SIGN	TYPE 38 WORKZONE SIGN	TYPE 39 WORKZONE SIGN	TYPE 40 WORKZONE SIGN	TYPE 41 WORKZONE SIGN	TYPE 42 WORKZONE SIGN	TYPE 43 WORKZONE SIGN	TYPE 44 WORKZONE SIGN	TYPE 45 WORKZONE SIGN	TYPE 46 WORKZONE SIGN	TYPE 47 WORKZONE SIGN	TYPE 48 WORKZONE SIGN	TYPE 49 WORKZONE SIGN	TYPE 50 WORKZONE SIGN	TYPE 51 WORKZONE SIGN	TYPE 52 WORKZONE SIGN	TYPE 53 WORKZONE SIGN	TYPE 54 WORKZONE SIGN	TYPE 55 WORKZONE SIGN	TYPE 56 WORKZONE SIGN	TYPE 57 WORKZONE SIGN	TYPE 58 WORKZONE SIGN	TYPE 59 WORKZONE SIGN	TYPE 60 WORKZONE SIGN	TYPE 61 WORKZONE SIGN	TYPE 62 WORKZONE SIGN	TYPE 63 WORKZONE SIGN	TYPE 64 WORKZONE SIGN	TYPE 65 WORKZONE SIGN	TYPE 66 WORKZONE SIGN	TYPE 67 WORKZONE SIGN	TYPE 68 WORKZONE SIGN	TYPE 69 WORKZONE SIGN	TYPE 70 WORKZONE SIGN	TYPE 71 WORKZONE SIGN	TYPE 72 WORKZONE SIGN	TYPE 73 WORKZONE SIGN	TYPE 74 WORKZONE SIGN	TYPE 75 WORKZONE SIGN	TYPE 76 WORKZONE SIGN	TYPE 77 WORKZONE SIGN	TYPE 78 WORKZONE SIGN	TYPE 79 WORKZONE SIGN	TYPE 80 WORKZONE SIGN	TYPE 81 WORKZONE SIGN	TYPE 82 WORKZONE SIGN	TYPE 83 WORKZONE SIGN	TYPE 84 WORKZONE SIGN	TYPE 85 WORKZONE SIGN	TYPE 86 WORKZONE SIGN	TYPE 87 WORKZONE SIGN	TYPE 88 WORKZONE SIGN	TYPE 89 WORKZONE SIGN	TYPE 90 WORKZONE SIGN	TYPE 91 WORKZONE SIGN	TYPE 92 WORKZONE SIGN	TYPE 93 WORKZONE SIGN	TYPE 94 WORKZONE SIGN	TYPE 95 WORKZONE SIGN	TYPE 96 WORKZONE SIGN	TYPE 97 WORKZONE SIGN	TYPE 98 WORKZONE SIGN	TYPE 99 WORKZONE SIGN	TYPE 100 WORKZONE SIGN
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PHASE 1 OF 3  
TYPE OF CONSTRUCTION  
AERIAL  
JOB NUMBER: A00CDKI  
PAGE: 3 OF 5 SCALE: NONE



LEGEND

TYPE 1 BARRICADE 8'x8'	TYPE 2 BARRICADE 8'x8'
TYPE 3 BARRICADE 8'x8'	TYPE 4 BARRICADE 8'x8'
TYPE 5 BARRICADE 8'x8'	TYPE 6 BARRICADE 8'x8'
TYPE 7 BARRICADE 8'x8'	TYPE 8 BARRICADE 8'x8'
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TYPE 97 BARRICADE 8'x8'	TYPE 98 BARRICADE 8'x8'
TYPE 99 BARRICADE 8'x8'	TYPE 100 BARRICADE 8'x8'

FLAGGERS TO PROVIDE ACCESS TO ALL AFFECTED DRIVEWAYS

at&t  
ISSUE 1  
DATE 04-06-16

PHASE 2 OF 3  
TYPE OF CONSTRUCTION AERIAL  
JOB NUMBER A00CDKI  
PAGE 4 OF 5 SCALE: NONE





## GENERAL PROVISIONS

### GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD-RIGHTS-OF-WAY

#### PUBLIC CONVENIENCE AND SAFETY:

- A. Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
  - 1. Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
  - 2. In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure.
    - a. The County of San Joaquin Public Works Department
    - b. The County of San Joaquin Sheriff's Office
    - c. The local postal service
    - d. The local fire district
    - e. The local school district
    - f. The local residents involved
- B. Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- C. Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- D. Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

#### STRUCTURES:

- A. Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and Transportation Officials (AASHTO) designations.
  - 1. For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M 170M.
  - 2. For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class III.
  - 3. Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints with County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1.06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- C. Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- D. All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed.
- F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

#### REPAIRS OF THE COUNTY RIGHT-OF-WAY:

- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one foot where 90% compaction is required, and two feet where 80% compaction is required.
- E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.
- G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
  - 1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch (1/2) maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
  - 2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- I. Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
  - 1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
  - 2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

## SPECIAL PROVISIONS

### Winter Weather Utility Work

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1. **SUPERVISION:** The utility company (permittee) shall furnish full-time supervision of all work to insure compliance with the permit provision.
2. **START OF WORK:** No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
3. **CLEAN PAVEMENT:** Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
4. **DAILY RESTORATION:** Private driveways and road intersections shall be restored daily.
5. **WEATHER-TIGHT CONDITIONS:** All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.