



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-1803849
Date Issued: 11/06/2018
Start Date: 12/03/2018
Exp. Date: 02/01/2018
Project No: PWP7110005
Quad: NW

ENCROACHMENT PERMIT

To: SEFNCO/COMCAST
5340 BRISA ST
LIVERMORE CA 94550

Encroachment Type:

TCP			
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Location:

E/S ST RT 99 FRNTG RD 40' S/O MARFARGOA RD

In compliance with your request of 11/06/2018, 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

FORMS:	SS/WW, R-29		
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Est. Permit Fee: \$490.00

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

KRIS BALAJI, Director
Department of Public Works

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 10-8-18

To: San Joaquin County
Department of Public Works

COMCAST/CINDIS PERRY
(Applicant Name)

12687 S. MANTHEY RD
(Mailing Address)

LATHROP, CA 95330
(City, State, Zip Code)

(925) 783-4877
(Area Code - Telephone Number)

OFFICE USE ONLY	
JOB #	<u>110005</u>
REF #	
APN	
CR #	
EXP. DATE	
VALID	<u>12-3-18</u> TO <u>2-1-18</u>
STREET	<u>ST R + 99 FRING</u>
AREA	QUAD
TYPE	
FORMS	
NOTES	
DRIVEWAYS:	
*	
*	
*	

Sketch (Detailed plans may be submitted)

SEE ATTACHED

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the EAST side of HIGHWAY 99 FRONTAGE RD approximately 40' feet/mile SOUTH of MARFARGOA RD, STOCKTON, by performing the following work (description of work):
TRAFFIC CONTROL TO PLACE CABLE ON JOINT POLES.

Work will commence on or about 12-3-18 for approximately 40 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.

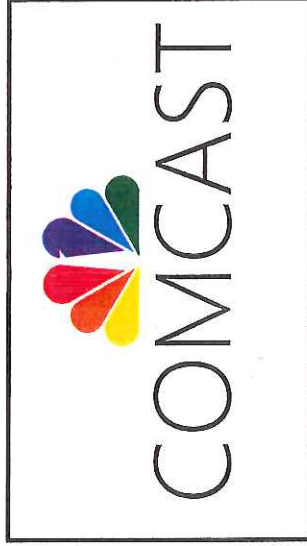

Signature of Applicant - Title

10-8-18
Date

3663 Arch Rd
Stockton, CA 95215

CONTACTS

SEFNCO
Cristian Gonzalez 209-328-8905



- Scope Of Work,**
- Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.
 - Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
 - rework riser up 25' and continue relash approx 790' along Frontage Rd.

BUILD

- Relash Footage 7,957 ft
- Rework Riser Footage 50 ft
- Repull Footage 167 ft.

LEGEND

- Cover Sheet
- Legends & General Notes
- Site Plan
- Traffic Control Plan
- Typical Detail Page
- Pedestrian Detour/Escort Plan

VICINITY MAP



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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEFNCO	9/7/2018
APPROVED:			
APPROVED:			
APPROVED:			



3663 Arch Rd

Project: 267654

CONSTRUCTION TYPE: RELASH

SYSTEM:

NODE:

SHEET: 1 OF 6

LINE TYPES	
1	PROPOSED TRENCH/BONE ROUTE
2	EXISTING COMPACT ROUTE
3	EXISTING TELEPHONE SYSTEM
4	EXISTING ELECTRICAL SYSTEM
5	EXISTING GAS SYSTEM
6	EXISTING TV SYSTEM
7	EXISTING IRRIGATION SYSTEM
8	EXISTING JOINT TRENCH
9	EXISTING SANITARY SEWER
10	EXISTING STORM DRAIN
11	EXISTING WATER LINE
12	EXISTING FENCE LINE
13	ROADWAY CENTER LINE
14	PROPERTY LINE

ABBREVIATIONS		
COMCAST	COMCAST	PROPERTY LINE
C	CENTER LINE	P
(E)	EXISTING	FILE
FDC	FACE OF CURB	R/W
MIN	MINIMUM	SS
MAX	MAXIMUM	SD
DOT	CONDUIT	T
		W
		EXISTING WATER
		EXISTING SEWER
		EXISTING DRAIN
		RIGHT OF WAY
		PROPERTY EASEMENT

SYMBOLS	
	TRANSFORMER
	STREET LIGHT
	TRAFFIC SIGNAL COMBINATION
	FIRE HYDRANT
	MONUMENT
	CATCH BASIN
	STORM DRAIN MANHOLE
	WATER MANHOLE
	SANITARY SEWER MANHOLE
	SEWER CLEAN OUT
	ELECTRIC MANHOLE
	UNDEVELOPED MANHOLE
	WATER METER
	GAS METER
	NEW COMCAST POWER SUPPLY
	NEW COMCAST LOW PROFILE
	POWER SUPPLY W/ METER
	NEW COMCAST VAULT
	NEW COMCAST PEDESTAL
	BORE PIT
	NEW RISER ATTACHED TO POLE
	EXISTING POLE
	EXISTING COMCAST VAULT
	EXISTING COMCAST PEDESTAL
	EXISTING IRRIGATION VAULT
	EXISTING UTILITY VAULT/PEDESTAL
	GAS/WATER VALVE
	TREE/BUSHES

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DRAWN BY:	DESCRIPTION	9/7/2018
APPROVED:	SERNO	
APPROVED:		
APPROVED:		

GENERAL NOTES:

1. ALL VALVES / HANDHOLES TO BE EQUIPPED WITH SECURITY LIDS WITH LOCKING BOLTS.
2. GROUND RESTRICTIONS/RIGHT-OF-WAY SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
3. ALL 90 DEGREE BENDS IN CONDUIT CONSTRUCTION WILL BE A MINIMUM OF 36" RADIUS UNLESS SPECIFIED OTHERWISE.
4. BURIED FIBER OPTIC WARNING SIGNS SHALL BE PLACED AT EACH SIDE OF ALL ROAD CROSSINGS, AT CULVERTS, DITCHES AND IN A STRAIGHT LINE OF SIGHT SPACING OF APPROXIMATELY 500 FEET.
5. DEVIATIONS FROM THE ENGINEERED ROUTE REQUIRES A PROJECT MANAGER AND RIGHT-OF-WAY OWNER OR CARETAKER APPROVAL PRIOR TO CONSTRUCTION.
6. WHERE PERMITS FROM STATE, COUNTY, CITY, RAILROAD OR GOVERNMENT AGENCIES ARE REQUIRED, ALL WORK PERFORMED WILL COMPLY WITH THESE AGENCIES STANDARD SPECIFICATIONS.
7. THE PROJECT MANAGER WILL NOTIFY BUILDING MANAGEMENT WHEN WORK WILL BEGIN ON BUILDING. CONTRACTOR TO COORDINATE ROAD ACCESS AND WORK START AND STOP TIMES WITH BUILDING MANAGEMENT.
8. THE PROJECT MANAGER IS TO BE NOTIFIED BY THE CONTRACTOR 24 HOURS PRIOR TO CONSTRUCTION. SEE COMPANY CONTACT LIST FOR CONTACT NAME(S) AND TELEPHONE NUMBER(S).
9. THE PROJECT MANAGER WILL RESERVE THE RIGHT TO INSPECT AT ANY TIME THE WORK BEING PERFORMED BY THE CONTRACTOR. IF PROJECT MANAGER DETERMINES THAT THE WORK IS NOT BEING PERFORMED TO THE MINIMUM QUALITY STANDARDS, THEN THE CONTRACTOR SHALL PROVIDE REMEDIATION AT HIS OWN COST.
10. ANY CHANGE IN PROJECT SCOPE, INCLUDING BUT NOT LIMITED TO CONDUIT LENGTH, CONDUIT PATH, AERIAL PATH ETC., MUST BE APPROVED BY THE PROJECT MANAGER.
11. ALL CORING/CONSTRUCTION THAT WILL CAUSE NOISE AND/OR VIBRATION SHALL BE DONE WITHIN ALLOWED (9AM-9PM) BUSINESS HOURS.
12. ANY AND ALL UNDERGROUND UTILITIES ENCOUNTERED ARE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT, AND REPAIR, IF DAMAGED.
13. ALL FOOTAGES ARE BASED ON FIELD GAUGEING MEASUREMENTS, AS SUCH SOME VARIANCE SHOULD BE ANTICIPATED. ADJUST AS NEEDED.
14. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 36" MINIMUM COVER. SITE HAS POTENTIAL FOR THE MINIMUM COVER CAN NOT BE ACHIEVED. THE CONDUIT SHALL BE PLACED IN A SCH 40 EMT SLEEVE OR APPROVED EQUIVALENT.
15. WATER, SEWER, STORM SEWER AND EASEMENT LOCATIONS ARE BASED OFF OF CITY MAPS, NOT FIELD VERIFICATION.
16. BORING OF AC PAVING IS REQUIRED AT ALL LOCATIONS AS INDICATED ON PLANS.
17. AT NO TIME SHALL CURBS, GUTTERS OR HANDICAP BE DISTURBED.
18. DOOR HANGERS ARE TO BE PLACED A MINIMUM OF 72 HOURS PRIOR TO START OF CONSTRUCTION.
19. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL PLACE MESSAGE BOARDS STATING CLOSURES, AND DELAYS A WEEK IN ADVANCE. LOCATION OF THE MESSAGE BOARD SHALL BE COORDINATED WITH THE CITY INSPECTOR AT THE PRE-CONSTRUCTION MEETING.
20. LANE CLOSURES CANNOT EXCEED MORE THAN 300 FT. AT A TIME. FOR SAFETY PURPOSES THERE SHALL BE ONLY ONE CLOSURE AT A TIME ALONG INTERNATIONAL BLVD. MORE FLAGGERS WILL BE NECESSARY TO HELP VEHICLES AND PEDESTRIANS IN THE WORK ZONES DURING THE LANE CLOSURES.

FIBER PLACEMENT NOTES

1. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. SEE LOCAL DIRECTORY FOR CONTRACTOR TELEPHONE NUMBER OF LOCAL CABLE BEFORE YOU DIG ABERNETHY.
 2. CONTRACTOR SHALL RECORD SEQUENCE # OF FIBER CABLE AT EVERY WORK POLE, MANHOLE, FIBER STORAGE LOOP AND TAIL LOCATION. CONTRACTOR TO PROVIDE PROJECT MANAGER WITH SEQUENCE NUMBERS AT PROJECT COMPLETION.
 3. BLACK LOOP AND SNOOWHITE STORAGE LOCATIONS SHALL BE IDENTIFIED BY A TAPE OR MARKER. ALL SNOOWHITE STORAGE REEL LENGTHS OF FIVE HUNDRED FEET (500') OR LESS ON LARGE COUNT FIBER OR THREE HUNDRED FEET (300') OR LESS ON SMALL COUNT FIBER ARE DIFFICULT TO USE AND SHOULD BE PLACED AS PIGS, NOT CUT AND RETURNED.
 4. FIBER OPTIC IDENTIFICATION TAGS SHALL BE PLACED AT EVERY MANHOLE, MANHOLE, FIBER STORAGE LOOPS, SPOKE TAGS AND TAIL LOCATION. CONTRACTOR TO PROVIDE PROJECT MANAGER WITH SEQUENCE NUMBERS AT PROJECT COMPLETION.
 5. A 100 FOOT FIBER COIL MUST REMAIN IN ALL YALLOTS UNLESS OTHERWISE NOTED.
 6. ALL BURIED INFRASTRUCTURE MUST BE ACCOMPANIED WITH WARNING TAPE AND A TAPACOR WIRE. AT RISER POLES THE LOCATE WIRE SHALL BE ACCESSIBLE AT THE BASE OF THE RISER POLE.
 7. ALL RISERS WILL BE CAPPED AT ALL TIMES.
 8. ALL RISERS WILL BE MARKED AS TO DIRECTION IN EACH YALLOT. REAR-NORTH, GREEN-SOUTH, YELLOW-EAST, AND BLUE-WEST. DO NOT TAPE FIBER CABLES TOGETHER IN RISER.
- DISCLAIMER:**
1. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR TO VERIFY ALL RIGHT-OF-WAY BEFORE CONSTRUCTION IS TO BEGIN. NO UNDERGROUND INSTALLATION REPRESENTED WITHIN THESE PLAN SHEETS IS PROPOSED OUTSIDE OF THE RIGHT-OF-WAY.
 2. THE UNDERGROUND ROUTE DEPICTED IS PRELIMINARY AND WILL MAY VARY ONCE UTILITIES HAVE BEEN FIELD LOCATED.
 3. ANCHORING FOR THE AERIAL CONSTRUCTION IS TYPICALLY DETERMINED DURING CONSTRUCTION
 4. AND IS COLLECTED IN THE AS-BUILT PHASE.

DISCLAIMER:

1. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR TO VERIFY ALL RIGHT OF WAY BEFORE CONSTRUCTION IS TO BEGIN. NO UNDERGROUND INSTALLATION REPRESENTED WITH THESE PLAN SHEETS IS PROPOSED OUTSIDE OF THE RIGHT OF WAY.

LEGEND & GENERAL NOTES

IMPORTANT NOTICE

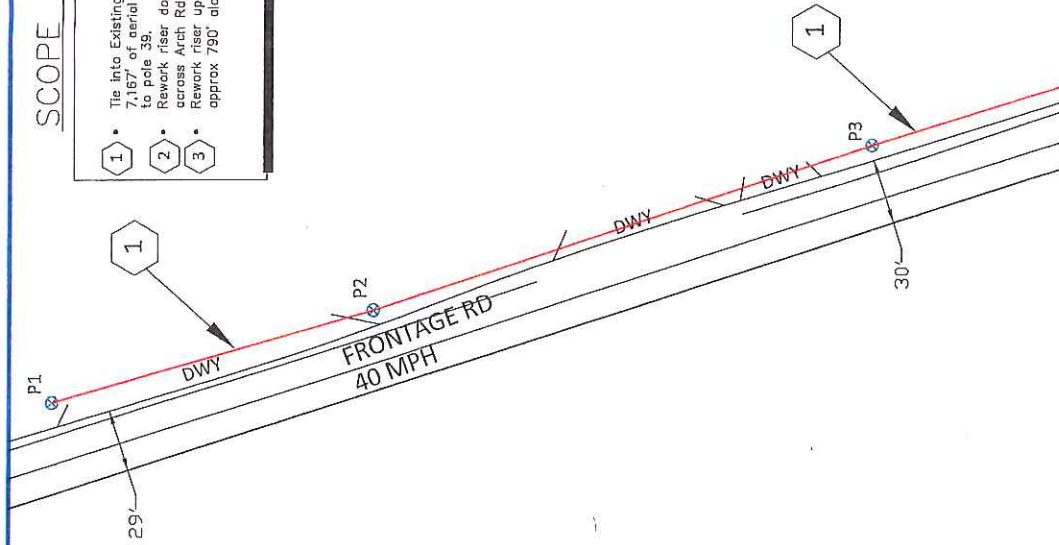
Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid for your Dig Alert I.D. No.

CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600



SCOPE OF WORK

- 1 • Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.
- 2 • Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
- 3 • Rework riser up 25' and continue relash approx 790' along Frontage Rd.



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TOLL FREE
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48 HOURS BEFORE SERVICE ALERT
1-800-227-2600



SITE PLAN 1--1

PROJ#: 267694

CONSTRUCTION TYPE: RELASH

SYSTEM:

NODE:

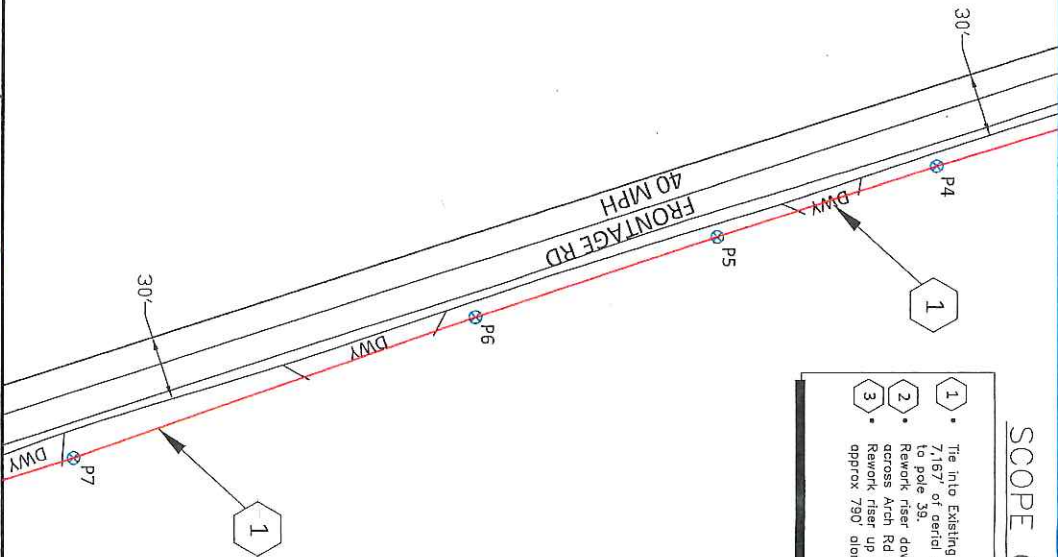
SHEET: 3 OF 6

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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEFNO	9/7/2018
APPROVED:			
APPROVED:			
APPROVED:			

SCOPE OF WORK

1. Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.
2. Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
3. Rework riser up 25' and continue relash approx 790' along Frontage Rd.



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 CALL TOLL FREE
 48 HOURS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT
 1-800-227-2600



SITE PLAN 1-1

PROJ#: 267594
CONSTRUCTION TYPE: RELASH
SYSTEM:
NODE:

SHEET: 3 OF 6

SCOPE OF WORK

1

1

1

1

1

1

1

1

- Tie into Existing Pole 1 and Relash approx 7167' of aerial strand along Frontage Rd. to pole 39.
- Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
- Rework riser up 25' and continue relash approx 790' along Frontage Rd.

CLARK DR
25 MPH

FRONTAGE RD
40 MPH

P8

P9

34

35



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CALL TOLL FREE 1-800-227-2600
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT



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SITE PLAN 1-1

PROJ#: 257694

CONSTRUCTION TYPE: RELASH

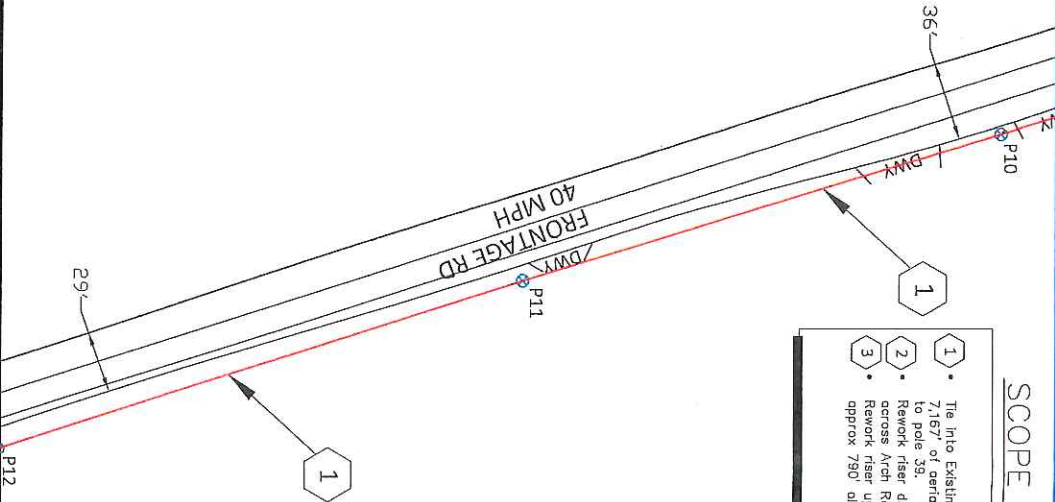
SYSTEM:

NOTE:

SHEET: 3 OF 6

SCOPE OF WORK

1. Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.
2. Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
3. Rework riser up 25' and continue relash approx 790' along Frontage Rd.



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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEFNCO	9/7/2018
APPROVED:			
APPROVED:			

IMPORTANT NOTICE

Section 4216/4217 of the Government Code requires a "Permit to Excavate" will be issued before a dig. CALL TOLL FREE 1-800-227-2600 UNDERGROUND SERVICE ALERT



SITE PLAN 1-1

PROJ#: 267894
CONSTRUCTION TYPE: RELASH
SYSTEM:
NODE:

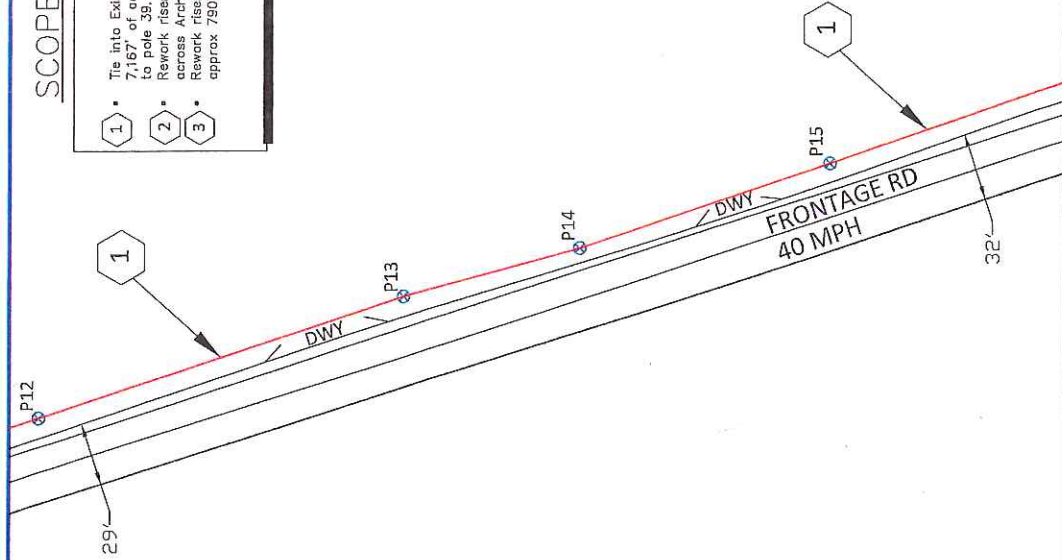
SCOPE OF WORK

- 1
- 2
- 3

1. Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.

2. Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.

3. Rework riser up 25' and continue relash approx 790' along Frontage Rd.



IMPORTANT NOTICE

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CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2500



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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEFNC	9/7/2018
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APPROVED:			
APPROVED:			

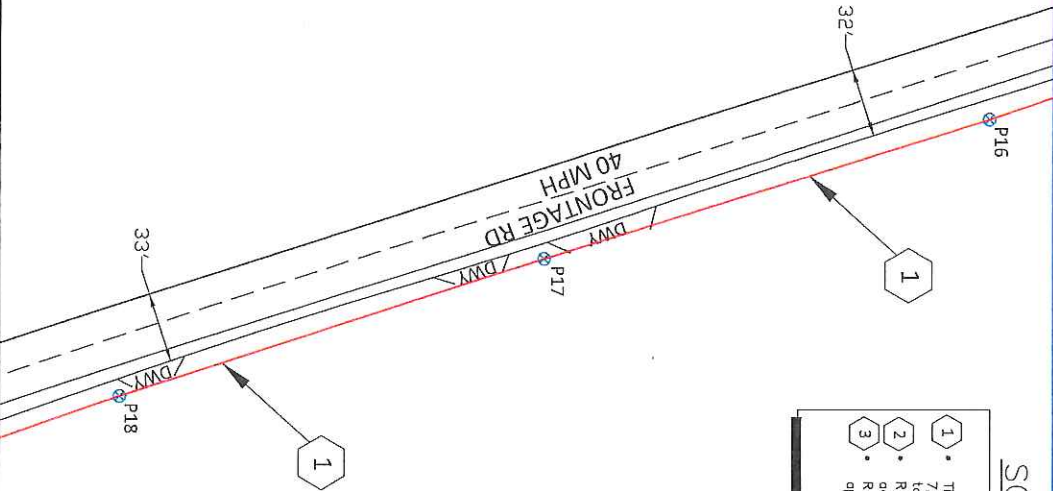
SITE PLAN 1-1

PROJ#: 267694
CONSTRUCTION TYPE: RELASH
SYSTEM:
NODE:



SCOPE OF WORK

1. The into Existing Pole 1 and Relash approx 71.67' of aerial strand along Frontage Rd.
2. Rework rise down 25' and repull conduit across Aitch Rd approx 167' to pole 40.
3. Rework rise up 25' and continue relash approx 730' along Frontage Rd.



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APPROVED:			
APPROVED:			



IMPORTANT NOTICE
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 CALL TOLL FREE
 48 HOURS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT
 1-800-227-2600

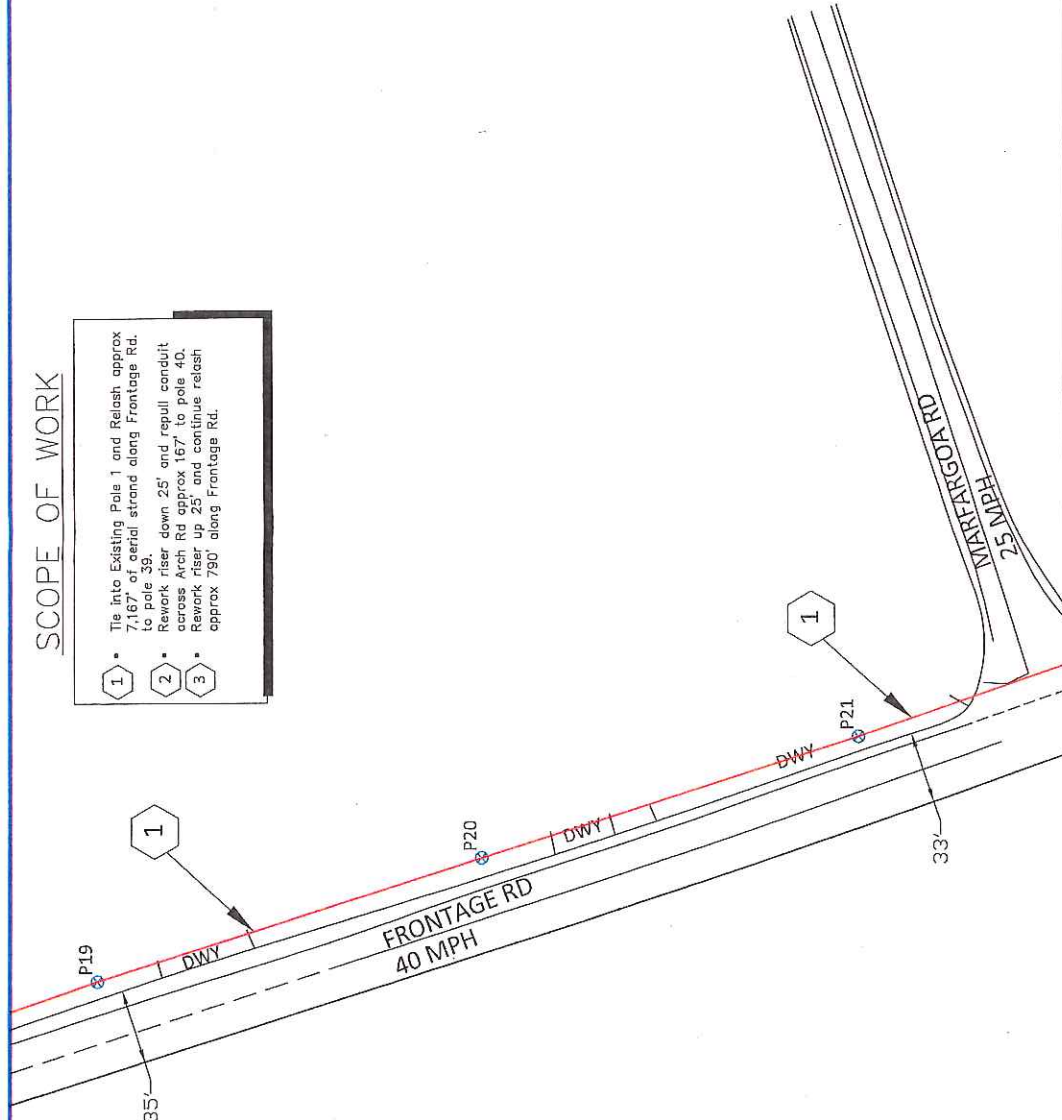


SITE PLAN 1-1

PROJ#: 267694
 CONSTRUCTION TYPE: RELASH
 SYSTEM:
 NODE:

SCOPE OF WORK

- 1 • Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.
- 2 • Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
- 3 • Rework riser up 25' and continue relash approx 790' along Frontage Rd.



IMPORTANT NOTICE
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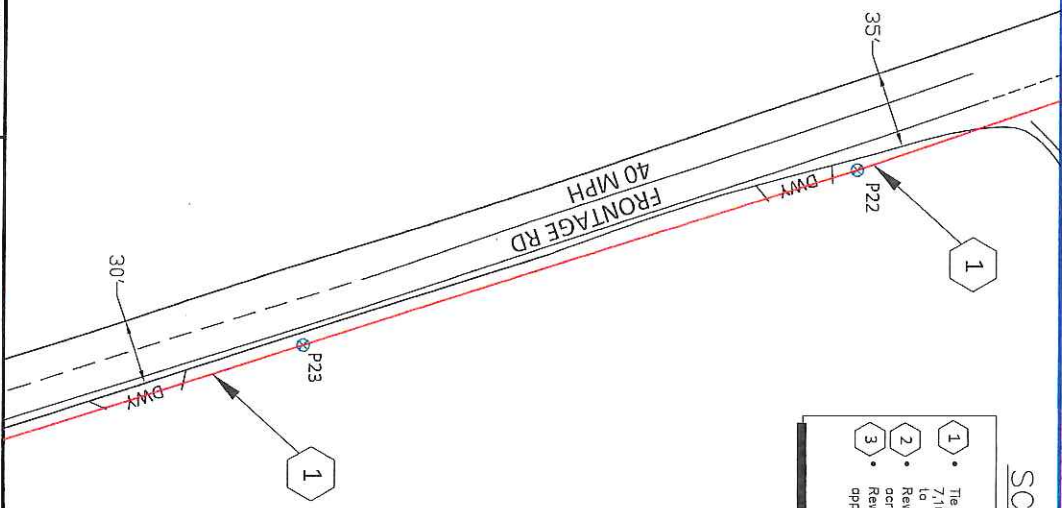
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APPROVED:			
APPROVED:			

SITE PLAN 1-1

PROJ#: 267694
 CONSTRUCTION TYPE: RELASH
 SYSTEM:
 NODE:



- ### SCOPE OF WORK
- 1. Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.
 - 2. Rework riser down 25' and repull conduit across Arch Rd approx 187' to pole 40.
 - 3. Rework riser up 25' and continue relash approx 790' along Frontage Rd.



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DRAWN BY:		SENDD	9/7/2018
APPROVED:			
APPROVED:			



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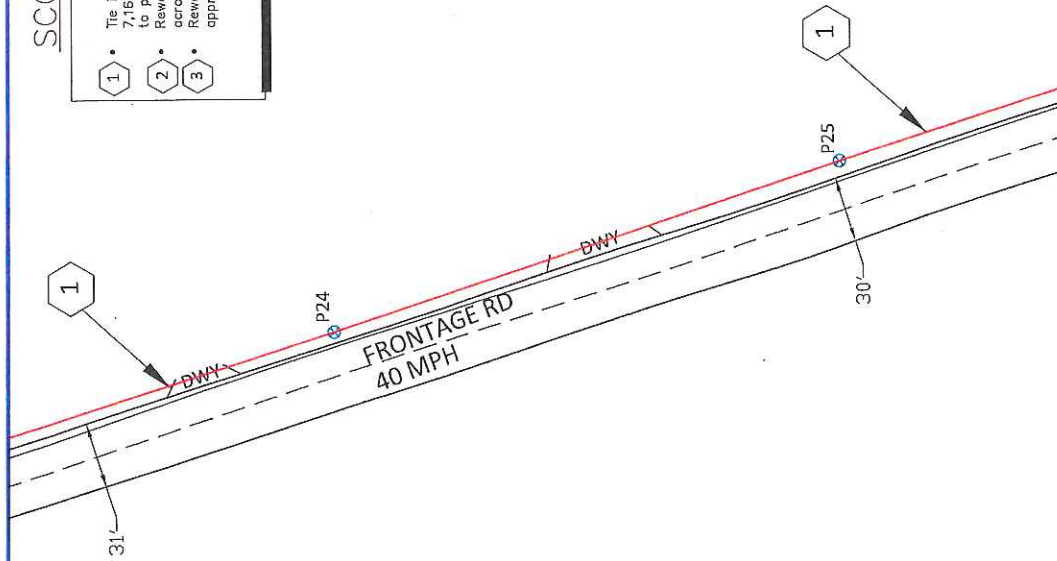
CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-427-2600



SITE PLAN 1-1	
PROJ#:	267694
CONSTRUCTION TYPE:	RELASH
SYSTEM:	
MODE:	

SCOPE OF WORK

- 1 Tie into Existing Pole 1 and Relash approx 7'167' of aerial strand along Frontage Rd. to pole 39.
- 2 Rework riser down 25' and repull conduit across Rich Rd approx 167' to pole 40.
- 3 Rework riser up 25' and continue relash approx 750' along Frontage Rd.



IMPORTANT NOTICE
 Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid for your Dig Alert I.D.
 CALL TOLL FREE
 48 HOURS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT
 1-800-227-2600



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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEFACO	9/7/2018
APPROVED:			
APPROVED:			

SITE PLAN 1-1

PROJ#: 267694

CONSTRUCTION TYPE: RELASH

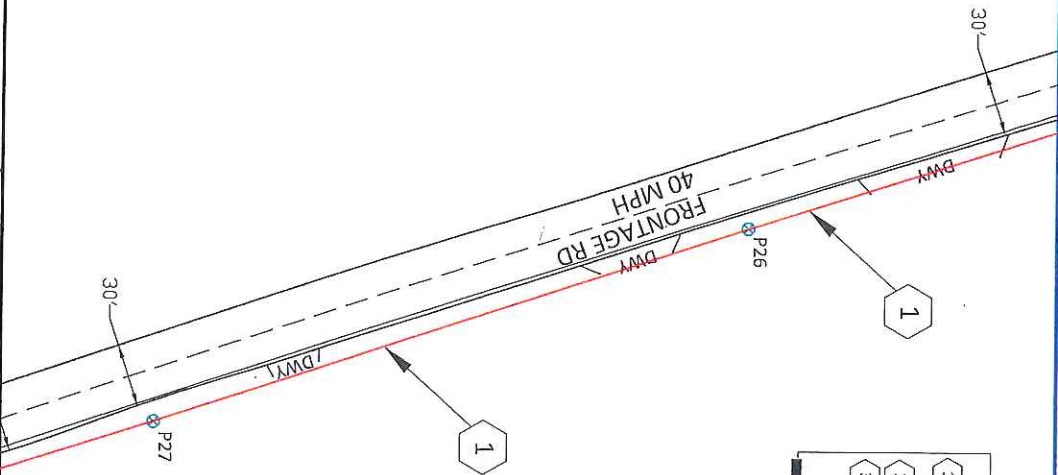
SYSTEM:

NODE:

SHEET: 3 OF 6

SCOPE OF WORK

1. Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.
2. Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
3. Rework riser up 25' and continue relash approx 790' along Frontage Rd.



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DRAWN BY:		SEPCO	9/7/2018
APPROVED:			
APPROVED:			

IMPORTANT NOTICE

Section # 4216/4217 of the Government Code requires a "Permit to Excavate" will be valid for your Dig Alert I.D.

CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

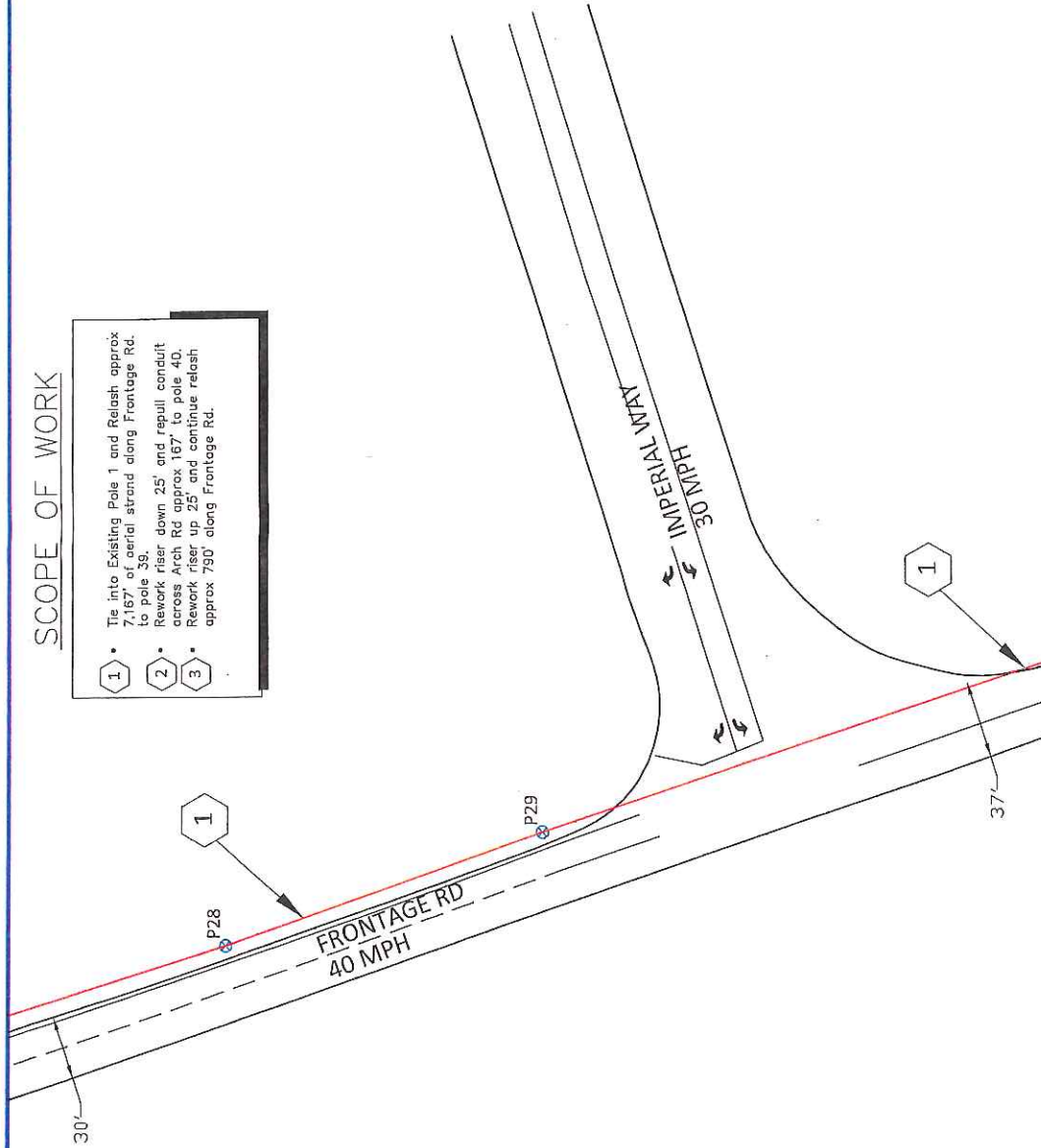


SITE PLAN 1-1

Profile: 287694
CONSTRUCTION TYPE: RELASH
SYSTEM:
NODE:

SCOPE OF WORK

- 1. Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.
- 2. Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
- 3. Rework riser up 25' and continue relash approx 790' along Frontage Rd.



IMPORTANT NOTICE
 Section # 4216/4217 of the Government Code requires a "Dig Alert Notification" Notice to be filed with the local "Permit to Excavate" will be valid for your Dig Alert I.D.
 CALL TOLL FREE
 48 HOURS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT
 1-800-227-2800



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DRAWN BY:		SEFVCO	9/7/2018
APPROVED:			
APPROVED:			
APPROVED:			

SITE PLAN 1-1

PROJ#: 257654

CONSTRUCTION TYPE: RELASH

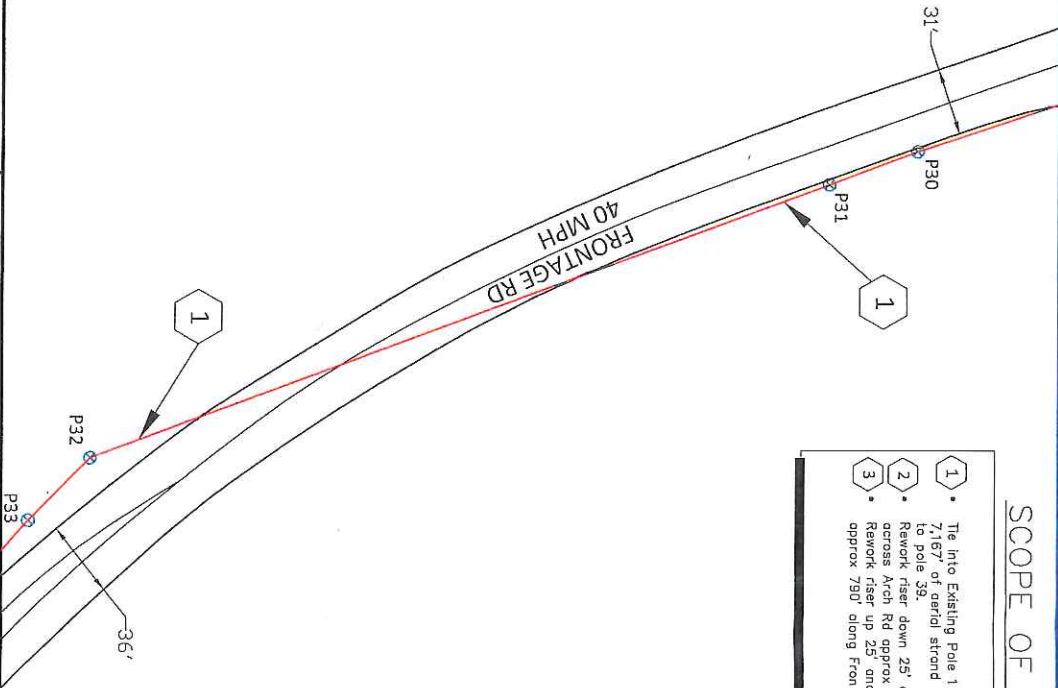
SYSTEM:

NOTE:

SHEET: 3 OF 6

SCOPE OF WORK

1. Tie into Existing Pole 1 and Relash approx 7167' of aerial strand along Frontage Rd. to Pole 39.
2. Rework riser down 25' and repul conduit across Arch Rd approx 167' to pole 40.
3. Rework riser up 25' and continue relash approx 750' along Frontage Rd.



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APPROVED:			
APPROVED:			

IMPORTANT NOTICE

Section # 4216/4217 of the Government Code requires a "Dig Alert Identification Number to be issued before a Permit to Excavate will be valid for your Dig Alert I.D.

CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

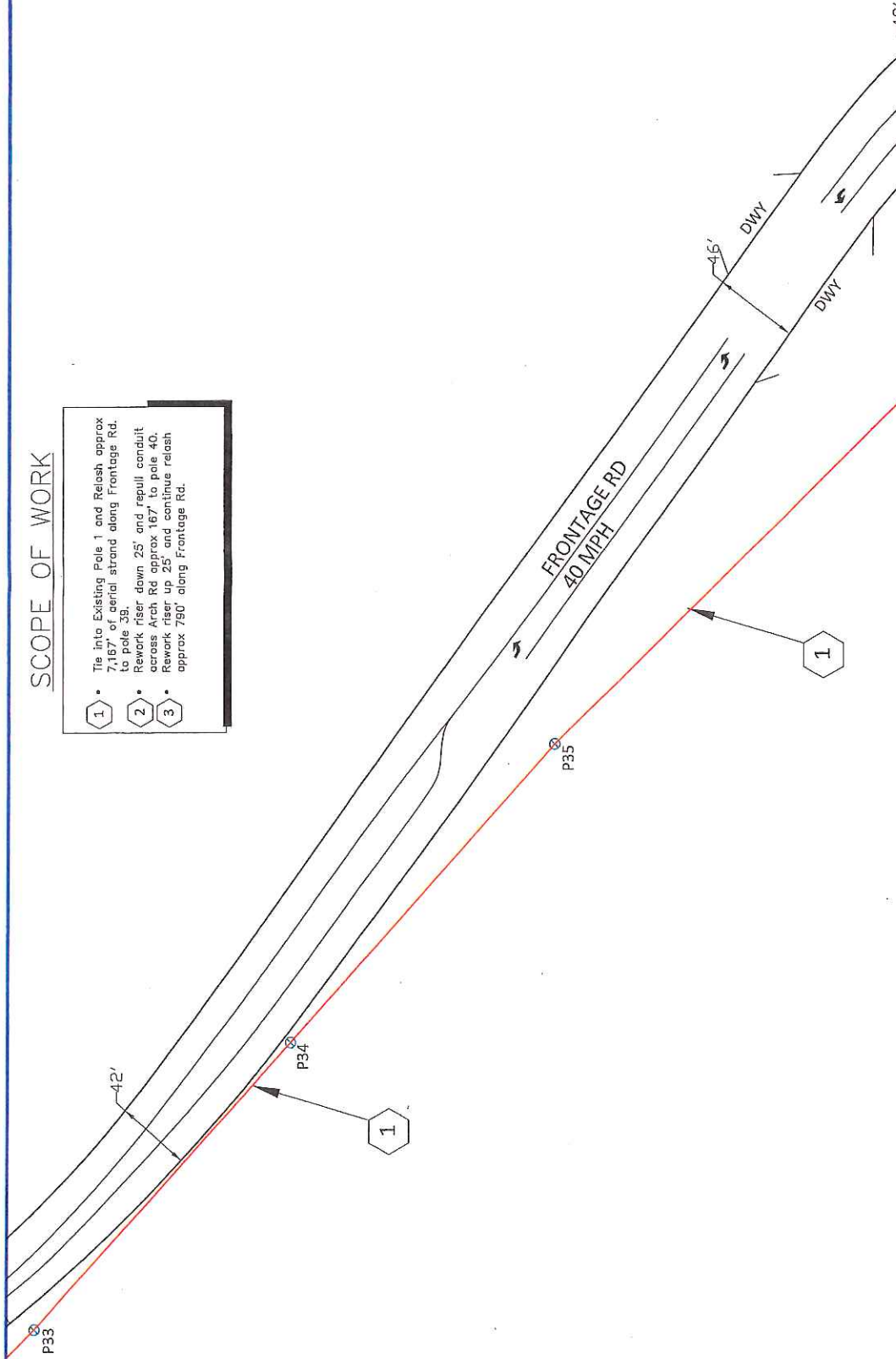


SITE PLAN 1-1

PROJ#: 287894
CONSTRUCTION TYPE: RELASH
SYSTEM:
NODE:

SCOPE OF WORK

- 1. Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.
- 2. Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
- 3. Rework riser up 25' and continue relash approx 790' along Frontage Rd.



SITE PLAN 1-1

PROJ#: 287894

CONSTRUCTION TYPE: RELASH

SYSTEM:

NOTE:

SHEET: 3 OF 6



IMPORTANT NOTICE

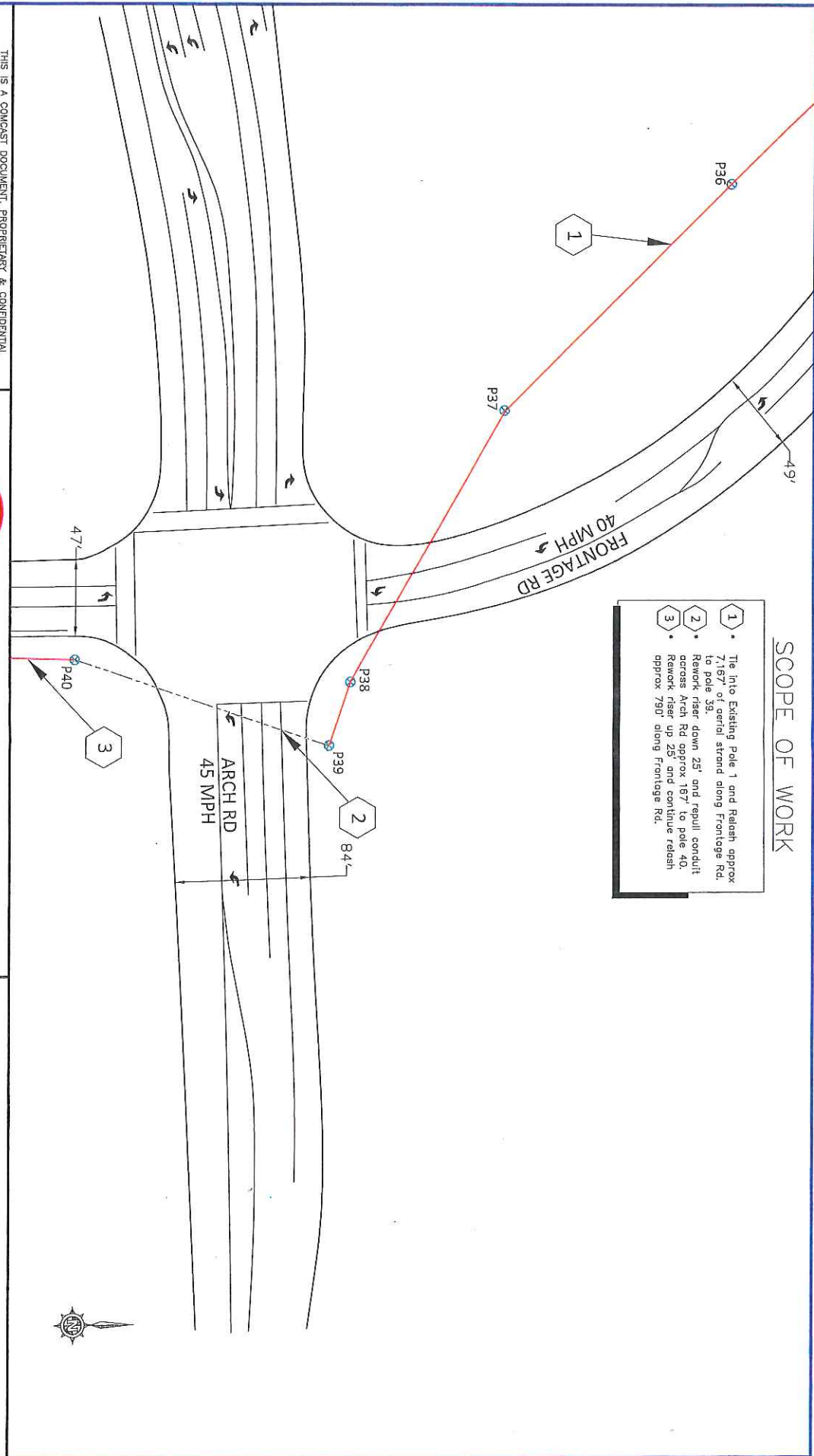
Section # 4216/4217 of the Government Code requires a Dig Alert Permit to be issued before any excavation work is performed. A Dig Alert I.D. "Permit to Excavate" will be valid for your Dig Alert I.D.



CALL BEFORE YOU DIG
48 HOURS BEFORE
UNDERGROUND SERVICE ALERT
1-800-227-2600

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DRAWN BY:		SEFNO	9/7/2018
APPROVED:			
APPROVED:			
APPROVED:			



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REV	DESCRIPTION	DATE
1	SERVICO	9/7/2018

DESIGN:

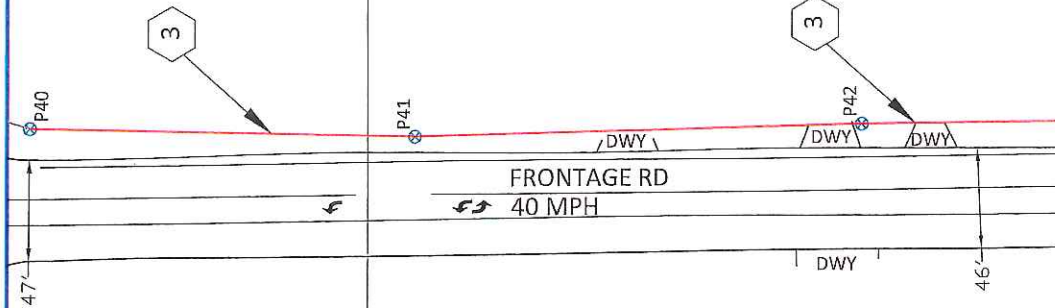
DRAWN BY:

APPROVED:

APPROVED:

SCOPE OF WORK

1. Tie into Existing Pole 1 and Relocate approx 7,167' of aerial strand along Frontage Rd. to pole 39.
2. Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
3. Rework riser up 25' and continue relocate approx 790' along Frontage Rd.



SITE PLAN 1-1

PROJ#: 267654

CONSTRUCTION TYPE: RELASH

SYSTEM:

NOTE:



IMPORTANT NOTICE

Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid for your Dig Alert I.D.

CALL TOLL FREE
1-800-487-2600
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

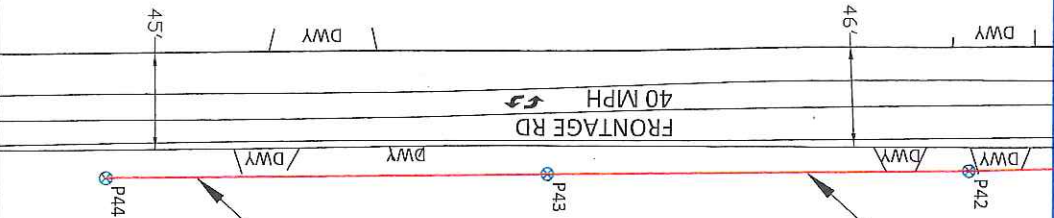


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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEFNO	9/7/2018
APPROVED:			
APPROVED:			
APPROVED:			

SCOPE OF WORK

1. Tie into Existing Pole 1 and Relash approx 7,167' of aerial strand along Frontage Rd. to pole 39.
2. Rework riser down 25' and repull conduit across Arch Rd approx 167' to pole 40.
3. Rework riser up 25' and continue relash approx 790' along Frontage Rd.



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DRAWN BY:		SERICO	9/7/2018
APPROVED:			
APPROVED:			

IMPORTANT NOTICE

Section # 4216/4217 of the Government Code requires a "Permit to Excavate" be issued before any digging or excavation work is performed. This permit is valid for 90 days. Call 811 to request a permit. 48 HOURS BEFORE DIG. UNDERGROUND SERVICE ALERT 1-800-427-2800



SITE PLAN 1-1

PROJ#: 287694
CONSTRUCTION TYPE: RELASH
SYSTEM:
MODE:

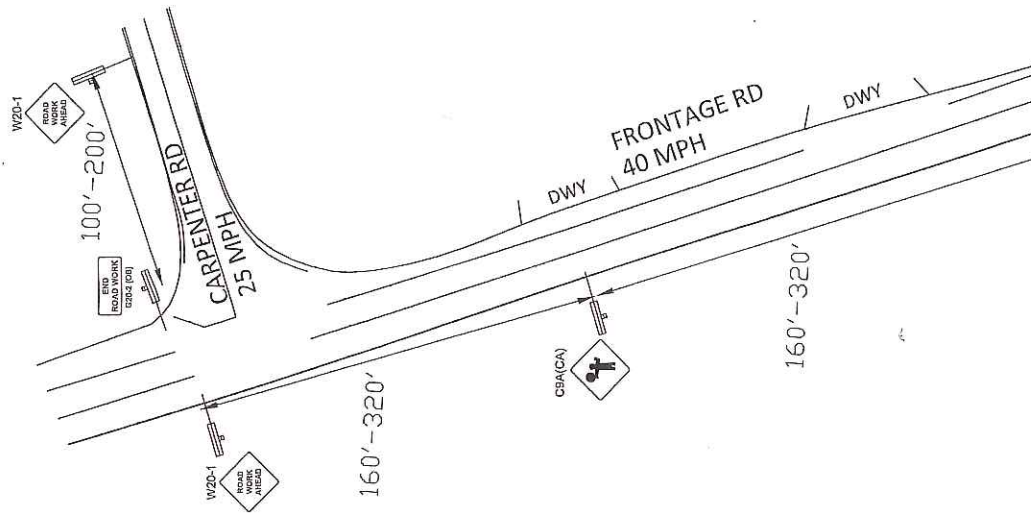
TABLE A

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	150 FT.	7	30 FT.	200 FT.
35 MPH	180 FT.	8	35 FT.	250 FT.
40 MPH	245 FT.	9	40 FT.	350 FT.
45 MPH	320 FT.	10	45 FT.	500 FT.
50 MPH	400 FT.	12	50 FT.	600 FT.
55+ MPH	1000 FT.	21	55 FT.	1000 FT.

(* NOTE- BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
- Flagger



IMPORTANT NOTICE
 Section # 4215/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2800



DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEFNC	9/7/2018
APPROVED:			
APPROVED:			

TRAFFIC CONTROL PLAN 1-1

PROJ#: 267654 SCALE = N.T.S.

CONSTRUCTION TYPE: RELASH

SYSTEM:

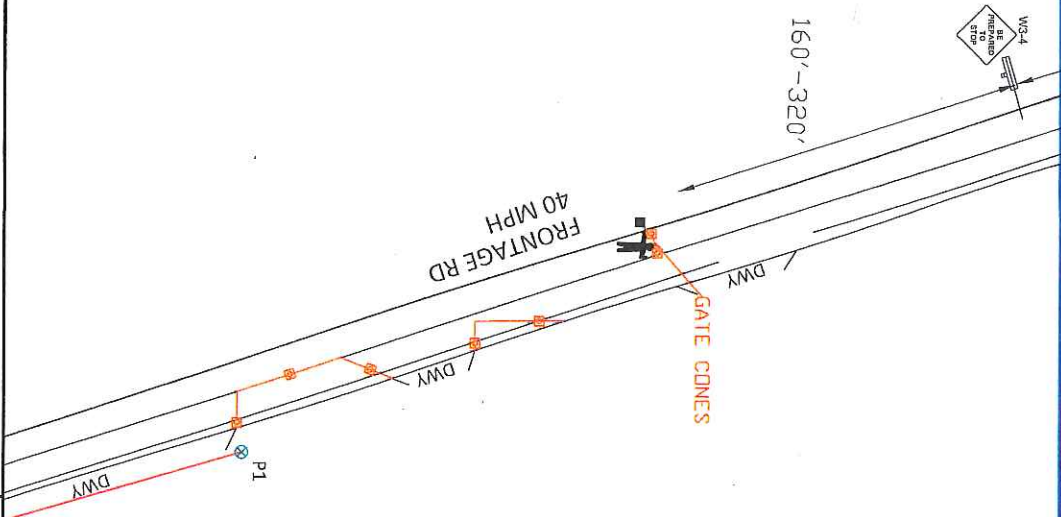
NOTE: SHEET: 4 OF 6

APPROACH SPEED	TAPER LENGTH (L) ^a	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
35 MPH	240 FT.	9	30 FT.	200 FT.
40 MPH	320 FT.	9	40 FT.	250 FT.
45 MPH	540 FT.	13	45 FT.	550 FT.
55 MPH	800 FT.	21	55 FT.	800 FT.
55+ MPH	1000 FT.	21	55 FT.	1000 FT.

(*) NOTE - BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Detrits on Type I, Type II, or Type III.
- Flagger



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APPROVED:			
APPROVED:			



IMPORTANT NOTICE
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 48 HOURS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT
 1-800-227-2800



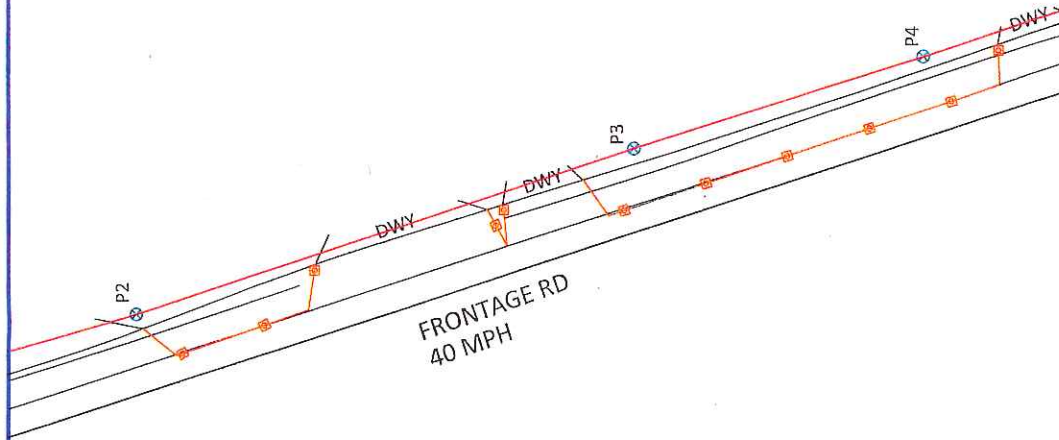
TRAFFIC CONTROL PLAN 1-1	
PROJ#: 287594	SCALE = N.T.S
CONSTRUCTION TYPE: RELASH	
SYSTEM:	
MODE:	
SHEET: 4 OF 6	

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	150 FT.	7	30 FT.	200 FT.
35 MPH	180 FT.	8	35 FT.	250 FT.
40 MPH	245 FT.	9	40 FT.	350 FT.
45 MPH	320 FT.	10	45 FT.	500 FT.
50 MPH	400 FT.	12	50 FT.	600 FT.
55+ MPH	600 FT.	13	55 FT.	800 FT.
	1000 FT.	21	55 FT.	1000 FT.

(* NOTE- BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
- Flagger



IMPORTANT NOTICE
 Section # 4215 / 4217 of the Government Code requires a "Dig Alert Identification Number" to be posted before "Permit to Excavate" will be valid. For your Dig Alert I.D. CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2800



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DRAWN BY:		SEFNO	9/7/2018
APPROVED:			
APPROVED:			

TRAFFIC CONTROL PLAN 1-1

PROJ#: 257694

SCALE = N.T.S.

CONSTRUCTION TYPE: RELASH

SYSTEM:

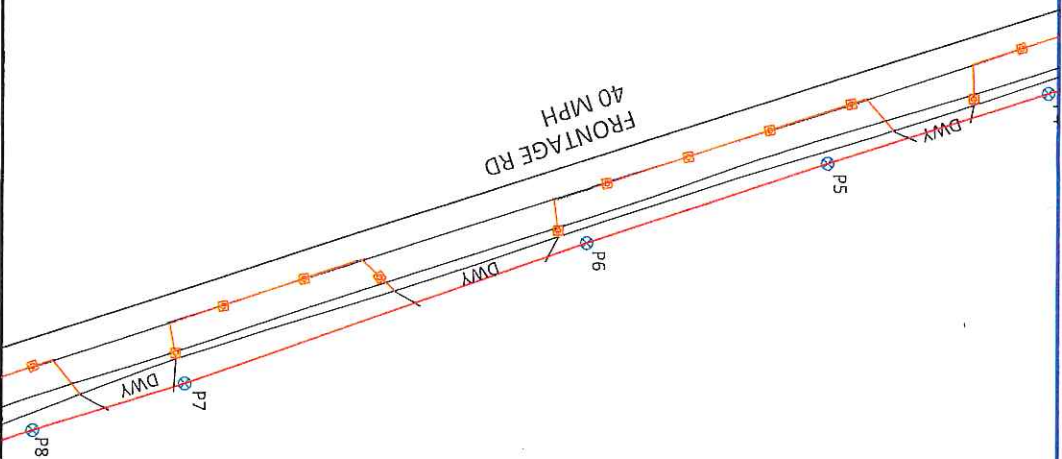
NOTE: 4 OF 6

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	180 FT.	7	30 FT.	200 FT.
35 MPH	240 FT.	8	35 FT.	250 FT.
40 MPH	300 FT.	9	40 FT.	300 FT.
45 MPH	360 FT.	10	45 FT.	350 FT.
50 MPH	420 FT.	11	50 FT.	400 FT.
55+ MPH	480 FT.	12	55 FT.	450 FT.
	1000 FT.	21		1000 FT.

(*) NOTE- BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

-  Sign
-  Direction of Travel (Not a pavement marking)
-  Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
-  High Level Warning Device (Flagtree)
-  Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
-  Flagger



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APPROVED:			
APPROVED:			



Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a Permit to Excavate will be valid for your Dig Alert I.D.

CALL TOLL FREE
48 HOURS AHEAD
UNDERGROUND SERVICE ALERT
1-800-227-2800



TRAFFIC CONTROL PLAN 1-1

PROJ#: 287694

CONSTRUCTION TYPE: RELASH

SYSTEM:

SCALE = N.T.S.

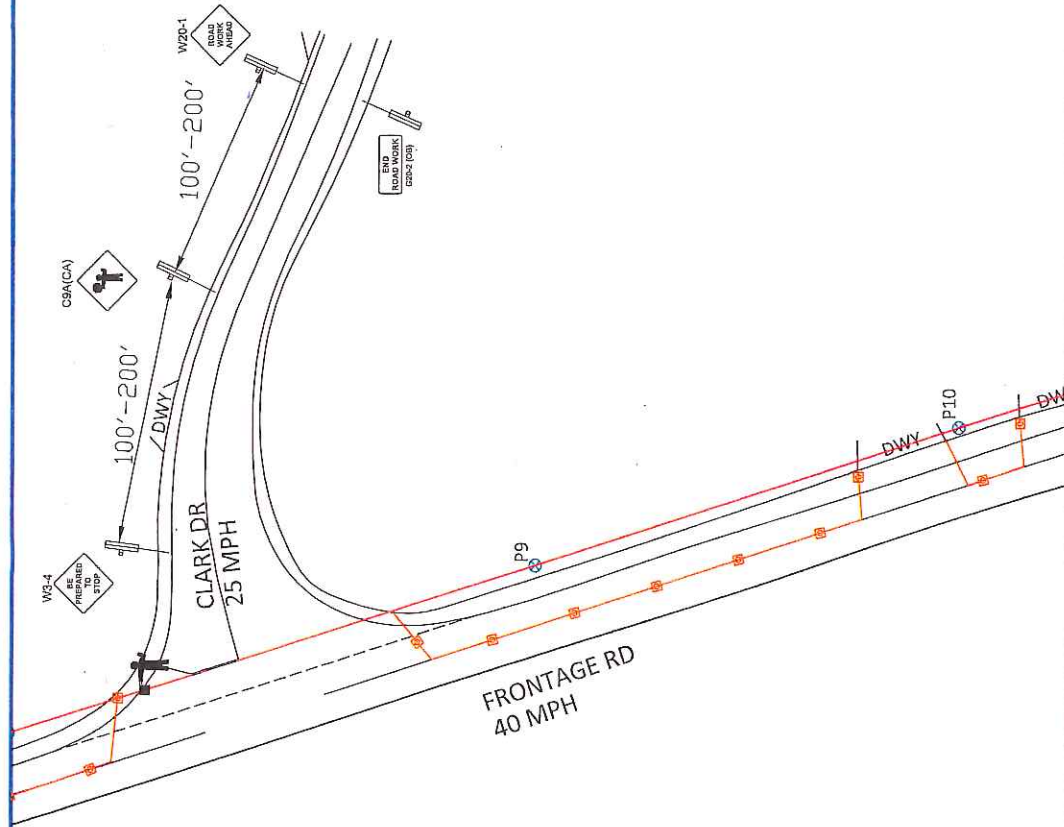
SHEET: 4 OF 6

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
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30 MPH	150 FT.	7	30 FT.	200 FT.
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40 MPH	245 FT.	9	35 FT.	300 FT.
45 MPH	320 FT.	10	40 FT.	350 FT.
50 MPH	400 FT.	11	45 FT.	400 FT.
55 MPH	500 FT.	13	55 FT.	500 FT.
55+ MPH	1000 FT.	21	55 FT.	1000 FT.

(* NOTE- BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
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- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
- Flagger



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DESIGN:	REVISION	PROJ#: 267694	SCALE = N.T.S.
DRAWN BY:	DATE	CONSTRUCTION TYPE: RELASH	
APPROVED:		SYSTEM:	
APPROVED:		NODE:	

IMPORTANT NOTICE
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 48 HOURS BEFORE YOU DIG
 UNDERGROUND ALERT
 1-800-227-2800

811
 Before you dig, call 811
 to get the location of
 underground utilities.
 Call today.

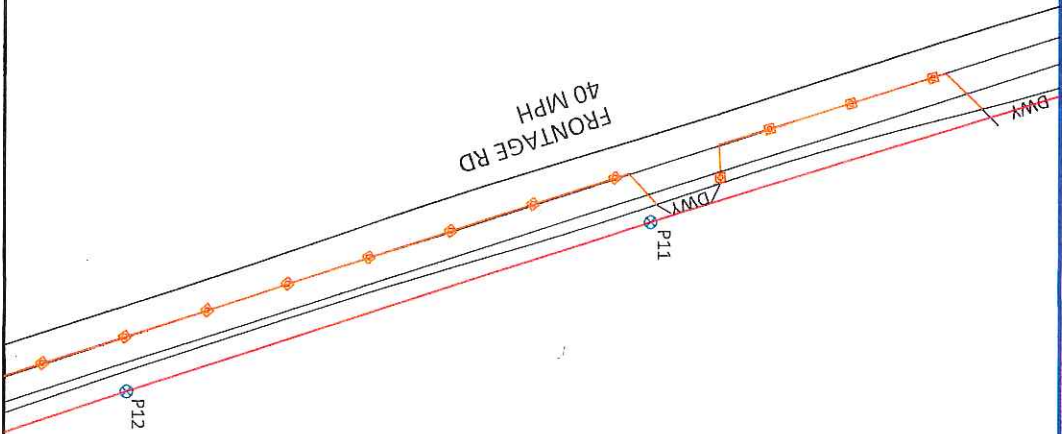
SHEET: 4 OF 6

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	180 FT.	7	30 FT.	200 FT.
35 MPH	245 FT.	8	35 FT.	250 FT.
40 MPH	320 FT.	9	40 FT.	350 FT.
45 MPH	400 FT.	13	45 FT.	500 FT.
50 MPH	600 FT.	13	50 FT.	800 FT.
55+ MPH	1000 FT.	21	55 FT.	1000 FT.

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LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
- Flagger



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APPROVED:			
APPROVED:			



IMPORTANT NOTICE
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 1-800-227-2600



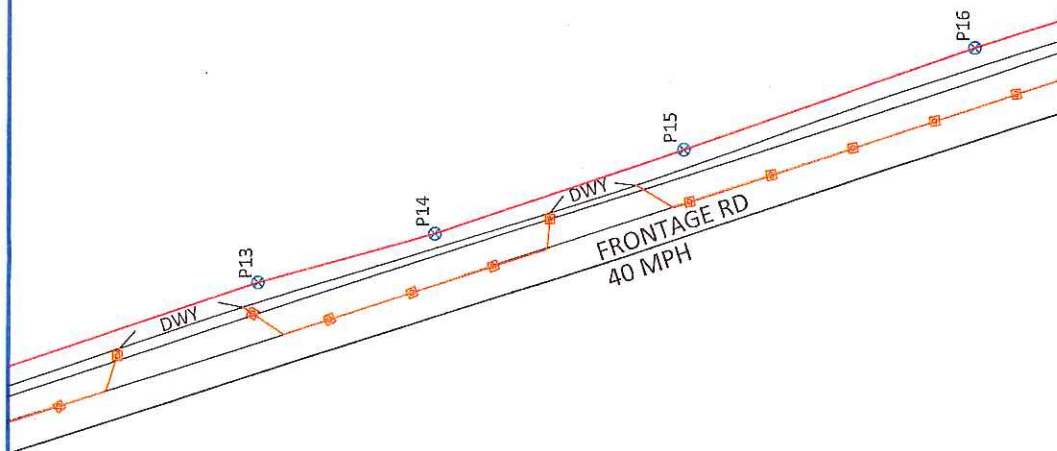
TRAFFIC CONTROL PLAN 1-1	
PROJ#: 267694	SCALE = N.T.S
CONSTRUCTION TYPE: RELASH	
SYSTEM:	
NODE:	

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	95 FT.	150 FT.
30 MPH	180 FT.	7	30 FT.	200 FT.
35 MPH	245 FT.	8	35 FT.	250 FT.
40 MPH	320 FT.	9	40 FT.	300 FT.
45 MPH	400 FT.	10	45 FT.	350 FT.
50 MPH	500 FT.	12	50 FT.	400 FT.
55 MPH	600 FT.	13	55 FT.	450 FT.
60 MPH	800 FT.	15	60 FT.	500 FT.
65 MPH	1000 FT.	21	65 FT.	550 FT.
70 MPH	1200 FT.	24	70 FT.	600 FT.
75 MPH	1400 FT.	27	75 FT.	650 FT.
80 MPH	1600 FT.	30	80 FT.	700 FT.
85 MPH	1800 FT.	33	85 FT.	750 FT.
90 MPH	2000 FT.	36	90 FT.	800 FT.
95 MPH	2200 FT.	39	95 FT.	850 FT.
100 MPH	2400 FT.	42	100 FT.	900 FT.

(* NOTE - BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II
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- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III
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CALL 811 FOR FREE
48 HOURS BEFORE
UNDERGROUND SERVICE ALERT
1-800-227-2600



REV	DESCRIPTION	DATE
1	SEFNO	9/7/2018

DESIGN:	TRAFFIC CONTROL PLAN 1-1
DRAWN BY:	PROJ# 267694
APPROVED:	CONSTRUCTION TYPE: RELASH
APPROVED:	SYSTEM:
APPROVED:	NODE:
	SCALE = N.T.S.
	811
	1-800-227-2600
	48 HOURS BEFORE
	UNDERGROUND SERVICE ALERT
	CALL 811 FOR FREE
	"Permit to Excavate" will be valid for your Dig Alert ID.
	Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid for your Dig Alert ID.
	IMPORTANT NOTICE

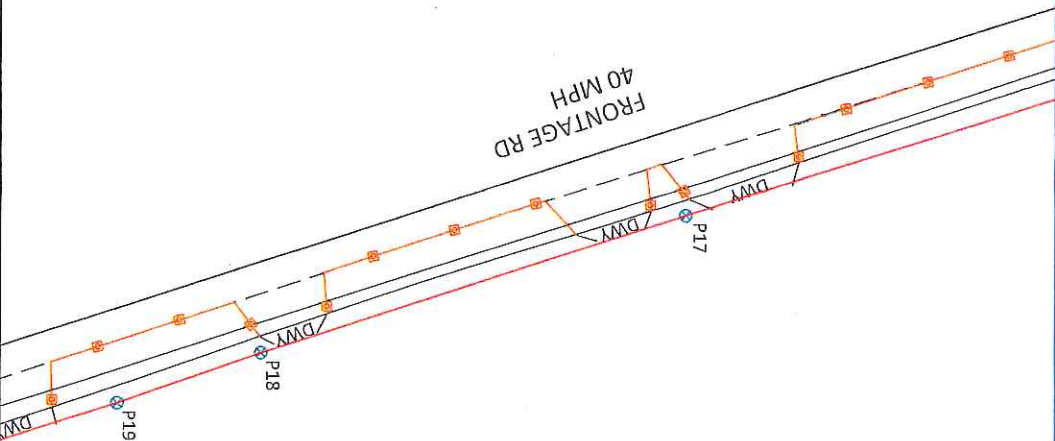
TABLE A

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
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40 MPH	300 FT.	9	40 FT.	300 FT.
45 MPH	360 FT.	10	45 FT.	350 FT.
50 MPH	420 FT.	11	50 FT.	400 FT.
55+ MPH	1000 FT.	21	55 FT.	1000 FT.

(*) NOTE - BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

-  Sign
-  Direction of Travel (Not a pavement marking)
-  Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
-  High Level Warning Device (Flagtree)
-  Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
-  Flagger



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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEFNO	9/7/2018
APPROVED:			
APPROVED:			

IMPORTANT NOTICE

Section # 4216/4217 of the Government Code requires a "Permit to Excavate" will be valid for your Dig Alert ID. CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2800



TRAFFIC CONTROL PLAN 1-1

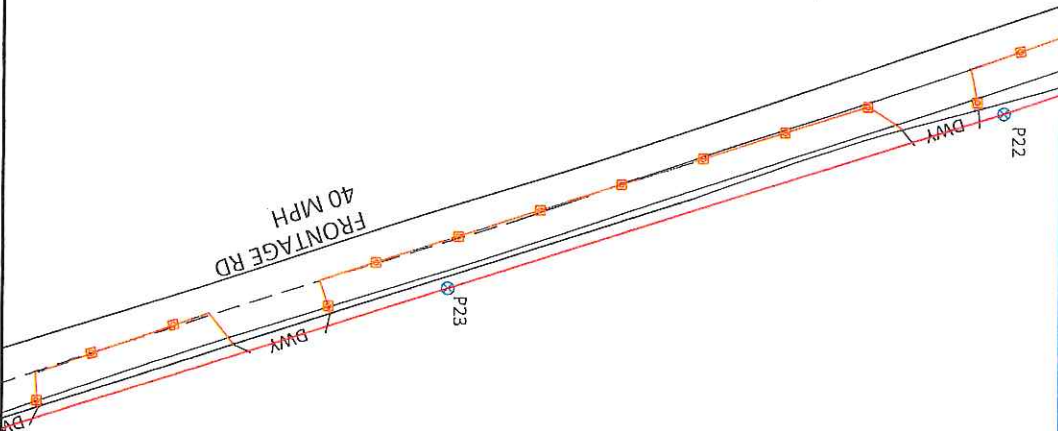
PROJ#: 267594
CONSTRUCTION TYPE: RELASH
SYSTEM:
SCALE = N.T.S.
SHEET: 4 OF 6

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	180 FT.	7	30 FT.	200 FT.
35 MPH	245 FT.	8	35 FT.	250 FT.
40 MPH	320 FT.	9	40 FT.	300 FT.
45 MPH	400 FT.	13	45 FT.	350 FT.
50 MPH	600 FT.	21	50 FT.	500 FT.
55+ MPH	1000 FT.		55 FT.	1000 FT.

(*) NOTE- BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

-  Sign
-  Direction of Travel (Not a pavement marking)
-  Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
-  High Level Warning Device (Flagtree)
-  Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
-  Flagger



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DRAWN BY:		SEFNO	9/7/2018
APPROVED:			
APPROVED:			



IMPORTANT NOTICE
 Section # 4216/4217 of the Government Code requires a "Dig Alert Identification Number" to be issued before a "Permit to Excavate" will be valid for your Dig Alert I.D.
 CALL TOLL FREE
 48 HOURS BEFORE YOU DIG
 UNDERGROUND UTILITY ALERT
 1-800-227-2600



TRAFFIC CONTROL PLAN 1-1

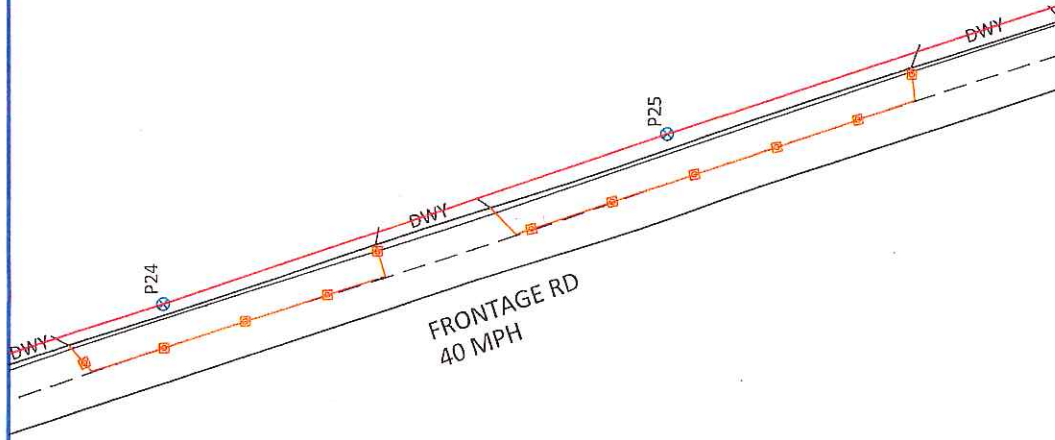
PROJ#: 287894	SCALE = N.T.S
CONSTRUCTION TYPE: RELASH	
SYSTEM:	
MODE:	

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	9	25 FT.	150 FT.
30 MPH	150 FT.	8	30 FT.	200 FT.
35 MPH	175 FT.	7	35 FT.	250 FT.
40 MPH	200 FT.	6	40 FT.	300 FT.
45 MPH	225 FT.	5	45 FT.	350 FT.
50 MPH	250 FT.	4	50 FT.	400 FT.
55+ MPH	300 FT.	3	55 FT.	500 FT.
				1000 FT.

(* NOTE- BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

-  Sign
-  Direction of Travel (Not a pavement marking)
-  Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
-  High Level Warning Device (Flagtree)
-  Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
-  Flagger



IMPORTANT NOTICE
 Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid for your Dig Alert I.D.
 CALL TOLL FREE 800-480-4800
 48 HOURS BEFORE YOU DIG
 UNDERGROUND ALERT
 1-800-227-2800



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APPROVED:	DATE
APPROVED:	9/7/2018
APPROVED:	
APPROVED:	

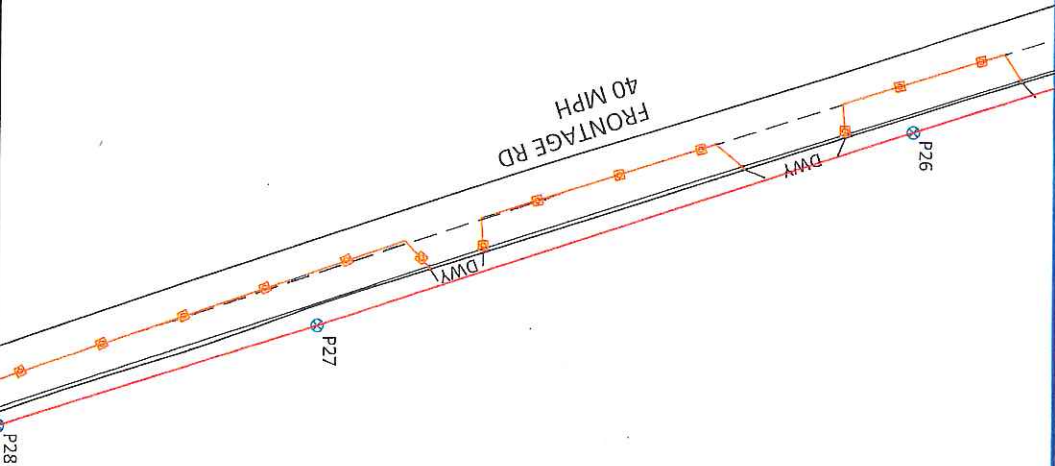
TRAFFIC CONTROL PLAN 1-1	
PROJ# 267694	SCALE = N.T.S
CONSTRUCTION TYPE: RELASH	
SYSTEM:	
NODE:	
SHEET: 4 OF 6	

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	150 FT.	7	30 FT.	200 FT.
35 MPH	175 FT.	8	35 FT.	250 FT.
40 MPH	200 FT.	9	40 FT.	300 FT.
45 MPH	225 FT.	10	45 FT.	350 FT.
50 MPH	250 FT.	11	50 FT.	400 FT.
55 MPH	275 FT.	12	55 FT.	450 FT.
60 MPH	300 FT.	13	60 FT.	500 FT.
65 MPH	325 FT.	14	65 FT.	550 FT.
70 MPH	350 FT.	15	70 FT.	600 FT.
75 MPH	375 FT.	16	75 FT.	650 FT.
80 MPH	400 FT.	17	80 FT.	700 FT.
85 MPH	425 FT.	18	85 FT.	750 FT.
90 MPH	450 FT.	19	90 FT.	800 FT.
95 MPH	475 FT.	20	95 FT.	850 FT.
100 MPH	500 FT.	21	100 FT.	900 FT.

(* NOTE - BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

TABLE A

- LEGEND**
- Sign
 - Direction of Travel (Not a pavement marking)
 - Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
 - High Level Warning Device (Fogtree)
 - Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
 - Fogger



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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SERVO	9/7/2018
APPROVED:			
APPROVED:			



IMPORTANT NOTICE
 Section 4.4216/4217 of the Government Code requires a Dig Alert be issued. No work shall be issued before a "Permit to Excavate" will be valid for your Dig Alert I.D.
 48 HOURS TOLL-FREE CALL TOLL-FREE UNDERGROUND SERVICE ALERT
 1-800-227-2600



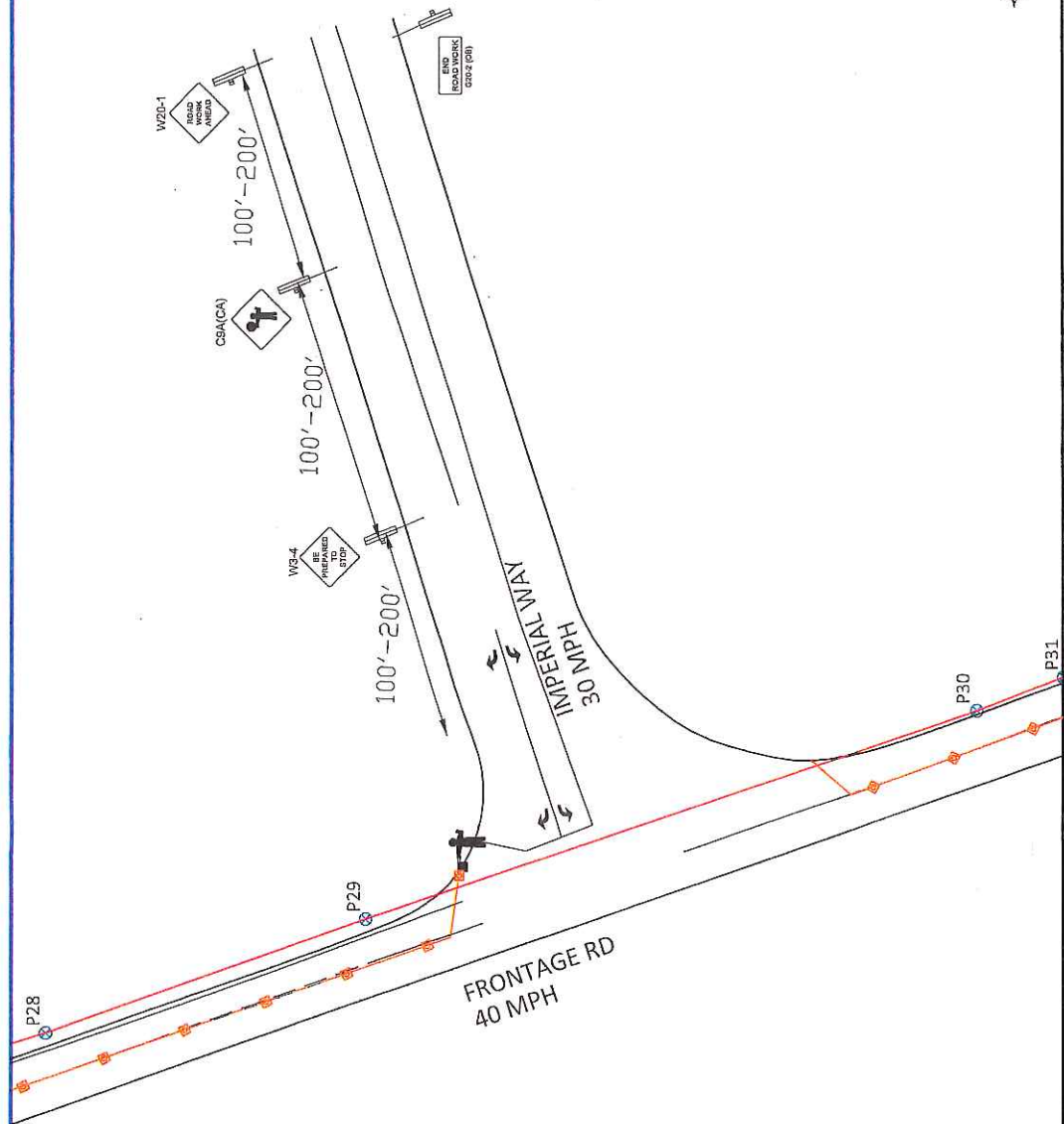
PROJECT: 267694	TRAFFIC CONTROL PLAN 1-1
CONSTRUCTION TYPE: RELASH	SCALE = N.T.S.
SYSTEM:	
NOTE:	

TABLE A

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	150 FT.	8	30 FT.	200 FT.
35 MPH	180 FT.	8	35 FT.	250 FT.
40 MPH	225 FT.	9	40 FT.	350 FT.
45 MPH	270 FT.	10	45 FT.	500 FT.
50 MPH	320 FT.	13	50 FT.	600 FT.
55+ MPH	1000 FT.	21	55 FT.	1000 FT.

(* NOTE- BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

- LEGEND
- Sign
 - Direction of Travel (Not a pavement marking)
 - Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
 - High Level Warning Device (Flagtree)
 - Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
 - Flagger



DESIGN:

DRAWN BY:

APPROVED:

APPROVED:

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REV

DESCRIPTION

DATE

SEFNCO

9/7/2018

811

IMPORTANT NOTICE

Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before "Permit to Excavate" will be valid For your Dig Alert ID.

CALL TOLL FREE

48 HOURS BEFORE YOU DIG

UNDERGROUND SERVICE ALERT

1-800-227-2800

TRAFFIC CONTROL PLAN 1-1

PROJ#: 257694

CONSTRUCTION TYPE: RELASH

SYSTEM:

NOTE:

SCALE = N.T.S

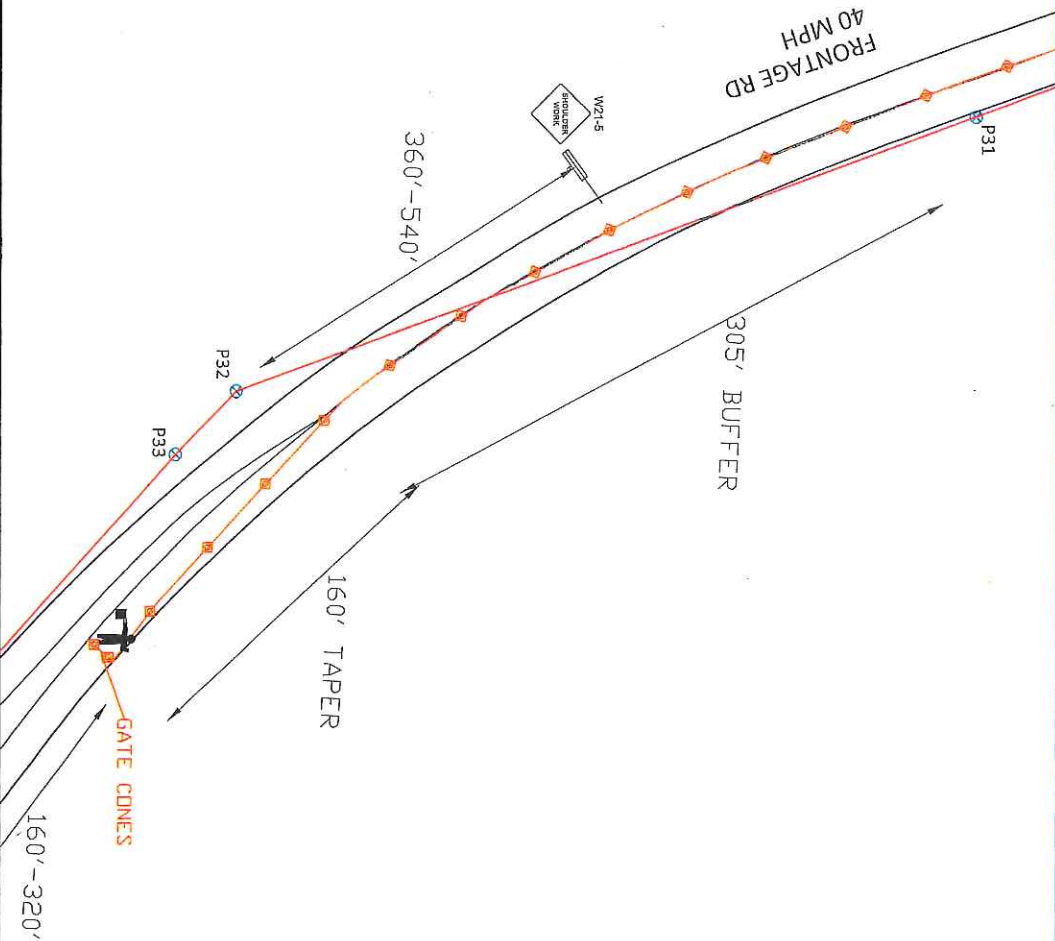
SHEET: 4 OF 6

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	9	25 FT.	150 FT.
35 MPH	175 FT.	8	30 FT.	200 FT.
40 MPH	245 FT.	8	40 FT.	250 FT.
45 MPH	320 FT.	13	45 FT.	350 FT.
50+ MPH	540 FT.	21	50 FT.	550 FT.
50+ MPH	1000 FT.	21	55 FT.	600 FT.
				1000 FT.

(*) NOTE - BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
- Flagger



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DRAWN BY:		SERICO	9/7/2018
APPROVED:			
APPROVED:			



IMPORTANT NOTICE
 Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a Permit to Excavate will be valid for your Dig Alert I.D.
 CALL TOLL FREE
 48 HOURS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT
 1-800-227-2500



TRAFFIC CONTROL PLAN 1-1	
PROJ#: 287894	SCALE = N.T.S
CONSTRUCTION TYPE: RELASH	
SYSTEM:	
MODE:	
SHEET: 4 OF 6	

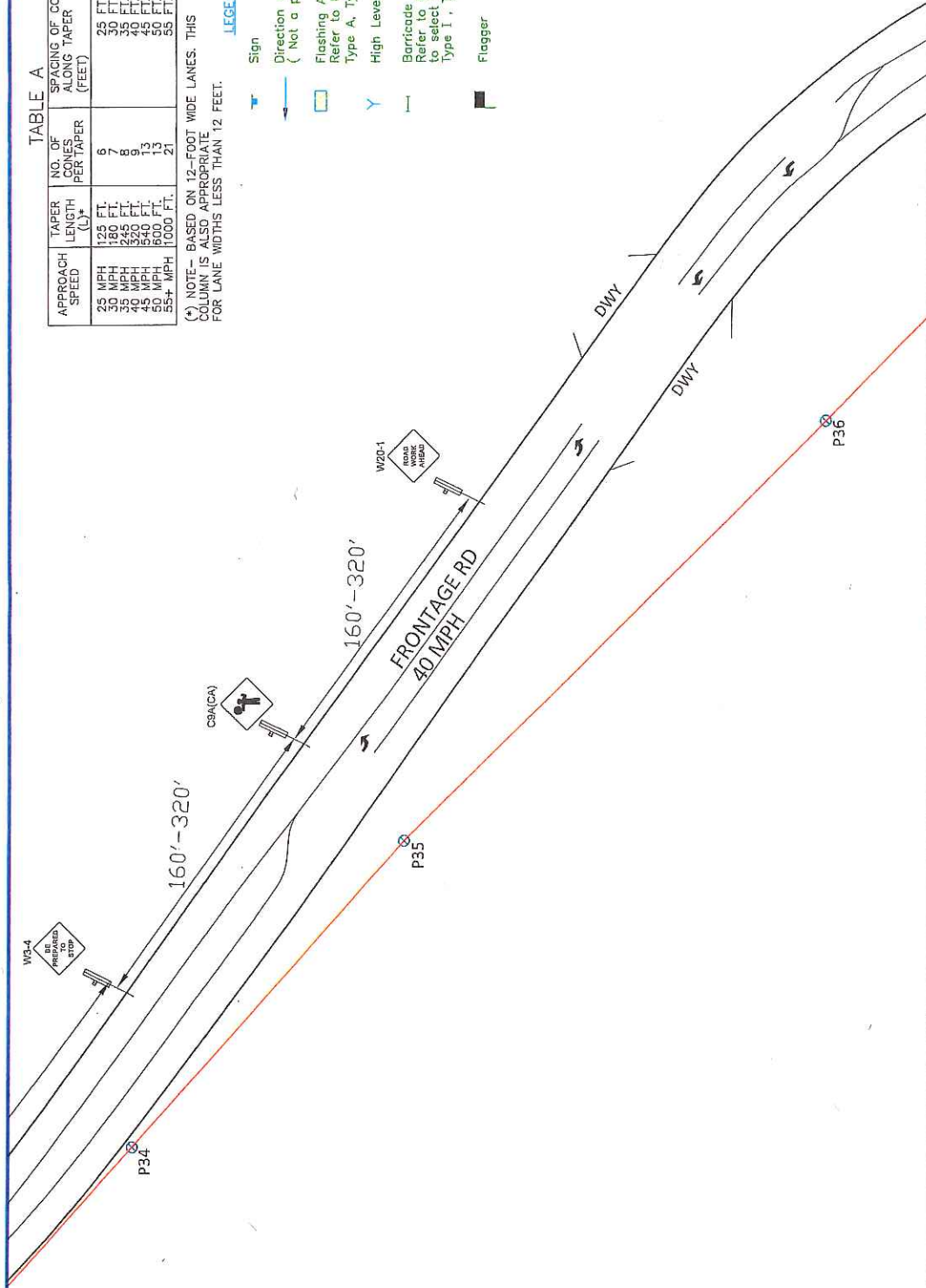
TABLE A

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	180 FT.	7	30 FT.	200 FT.
35 MPH	245 FT.	8	35 FT.	250 FT.
40 MPH	320 FT.	9	40 FT.	300 FT.
45 MPH	400 FT.	10	45 FT.	350 FT.
50 MPH	500 FT.	12	50 FT.	400 FT.
55+ MPH	1000 FT.	21	55 FT.	1000 FT.

(*) NOTE- BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
- Flagger



IMPORTANT NOTICE

Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid for your Dig Alert ID. CALL TOLL FREE 1-800-227-2800 FOR A FREE DIG ALERT IDENTIFICATION NUMBER. 48 HOURS BEFORE SERVICE ALERT 1-800-227-2800



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DRAWN BY:		SEFNO	9/7/2018
APPROVED:			
APPROVED:			

TRAFFIC CONTROL PLAN 1-1

PROJECT: 267554	SCALE = N.T.S.
CONSTRUCTION TYPE: RELASH	
SYSTEM:	
NOTE:	

- LEGEND**
- Sign
 - Direction of Travel
(Not a pavement marking)
 - Flashing Arrow Sign (Where Required)
Refer to Page 7 of Caltrans manual
Type A, Type I, or Type II.
 - High Level Warning Device (Frogfree)
 - Barricade (For Excavation Only)
Refer to Page 12 of Caltrans manual
to select for Details on
Type I, Type II, or Type III.
 - Frogger

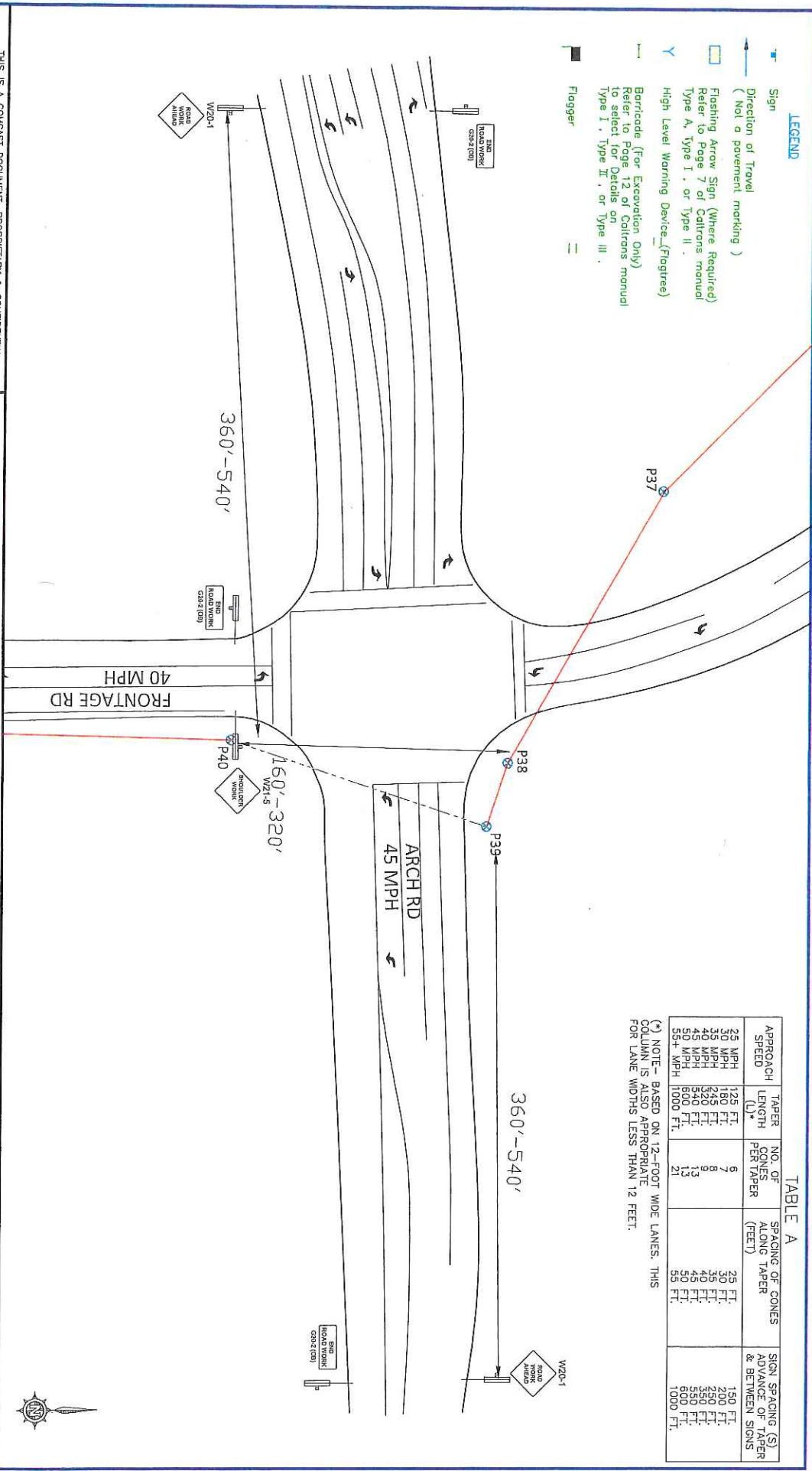


TABLE A

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) AND SPACING OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	9	25 FT.	150 FT.
30 MPH	150 FT.	9	30 FT.	200 FT.
35 MPH	175 FT.	9	40 FT.	250 FT.
40 MPH	200 FT.	13	45 FT.	350 FT.
45 MPH	225 FT.	21	50 FT.	550 FT.
50 MPH	250 FT.		55 FT.	600 FT.
55+ MPH	1000 FT.			1000 FT.

(*) NOTE - BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SERVICE	9/7/2018
APPROVED:			
APPROVED:			

IMPORTANT NOTICE

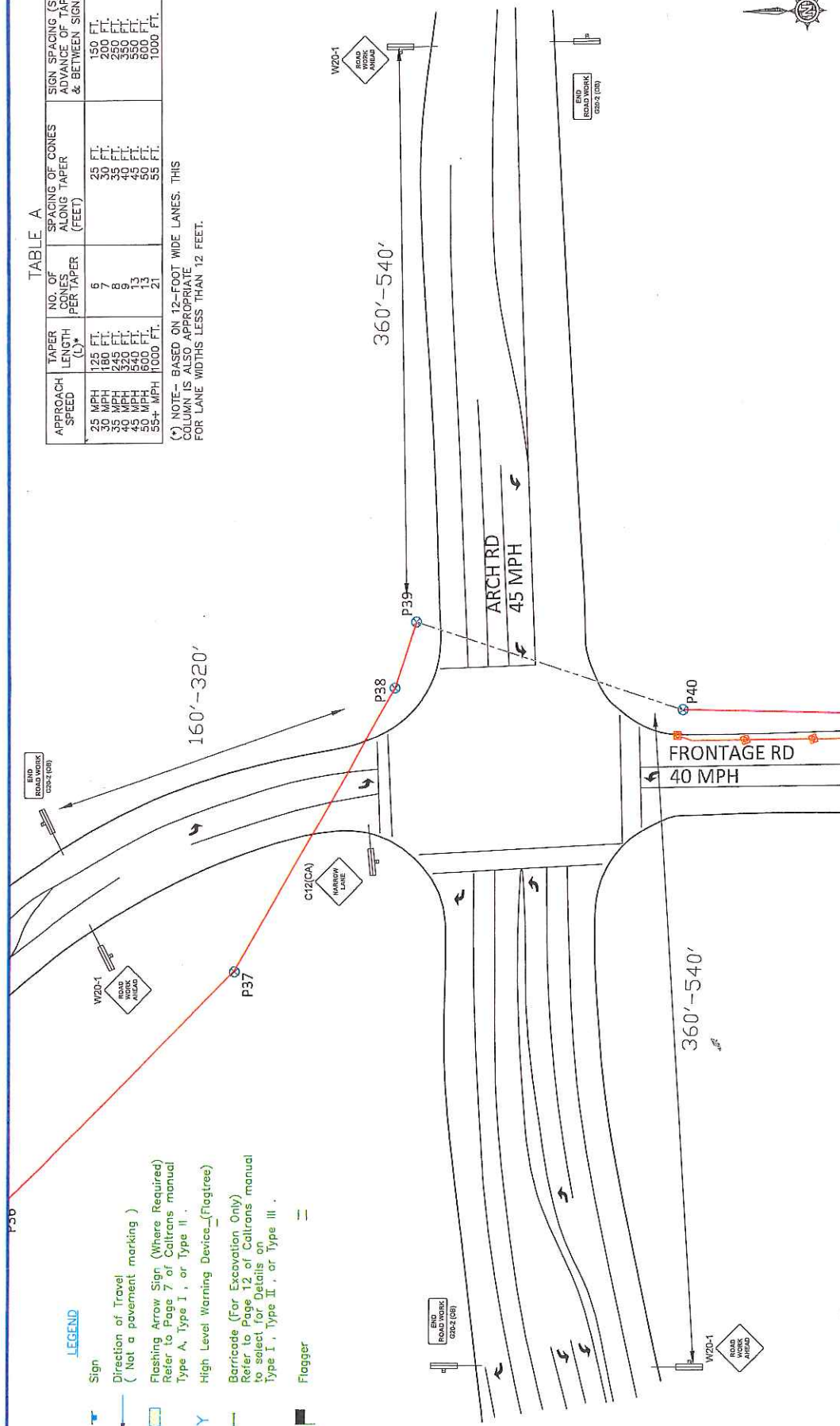
Section # 4215/4217 of the Government Code requires a "Dig Alert Identification Number" to be issued by the local jurisdiction. CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

TRAFFIC CONTROL PLAN 1-1	
PROJECT: 267684	SCALE = N.T.S
CONSTRUCTION TYPE: RELASH	
SYSTEM:	
MODE:	

TABLE A

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	135 FT.	6	25 FT.	150 FT.
30 MPH	180 FT.	7	30 FT.	200 FT.
35 MPH	245 FT.	8	35 FT.	250 FT.
40 MPH	320 FT.	9	40 FT.	350 FT.
45 MPH	400 FT.	13	50 FT.	500 FT.
50 MPH	600 FT.	13	55 FT.	800 FT.
55+ MPH	1000 FT.	21	55 FT.	1000 FT.

(*) NOTE - BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.



IMPORTANT NOTICE
Section # 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid for your Dig Alert ID.
CALL TOLL FREE 1-800-227-2600
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT



REV	DESCRIPTION	DATE
DESIGN:		
DRAWN BY:	SEF/CO	9/7/2018
APPROVED:		
APPROVED:		

TRAFFIC CONTROL PLAN 2

PROJ#: 267694

CONSTRUCTION TYPE: RELASH

SYSTEM:

NODE:



811
Dig Alert
Call before you dig

SCALE = N.T.S

SHEET: 4 OF 6

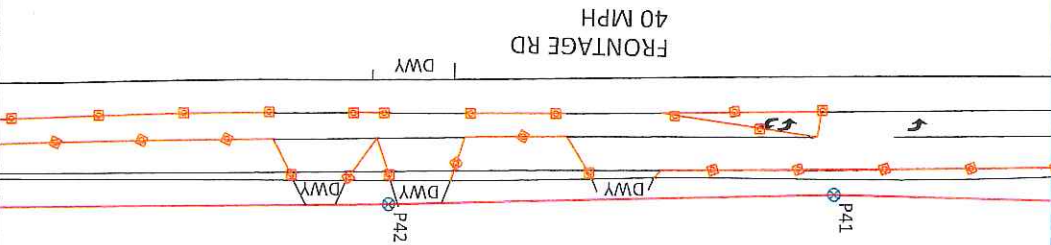
TABLE A

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES ALONG TAPER	SPACING OF CONES (S)	SIGN ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	150 FT.	7	30 FT.	200 FT.
35 MPH	175 FT.	8	35 FT.	250 FT.
40 MPH	200 FT.	9	40 FT.	300 FT.
45 MPH	225 FT.	10	45 FT.	350 FT.
50 MPH	250 FT.	11	50 FT.	400 FT.
55+ MPH	275 FT.	12	55 FT.	450 FT.
	1000 FT.	21		1000 FT.

(*) NOTE: BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
- Fogger



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DRAWN BY:		SERVO	9/7/2018
APPROVED:			
APPROVED:			



IMPORTANT NOTICE
 Section 4216.427 of the Government Code requires a
 "Permit to Excavate" will be valid for your Dig Alert I.D.
 48 HOURS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT
 CALL TOLL FREE
 1-800-227-2800



TRAFFIC CONTROL PLAN 2

PROJ: 287694

CONSTRUCTION TYPE: RELASH

SYSTEM:

MODE:

SCALE = N.T.S.

SHEET: 4 OF 6

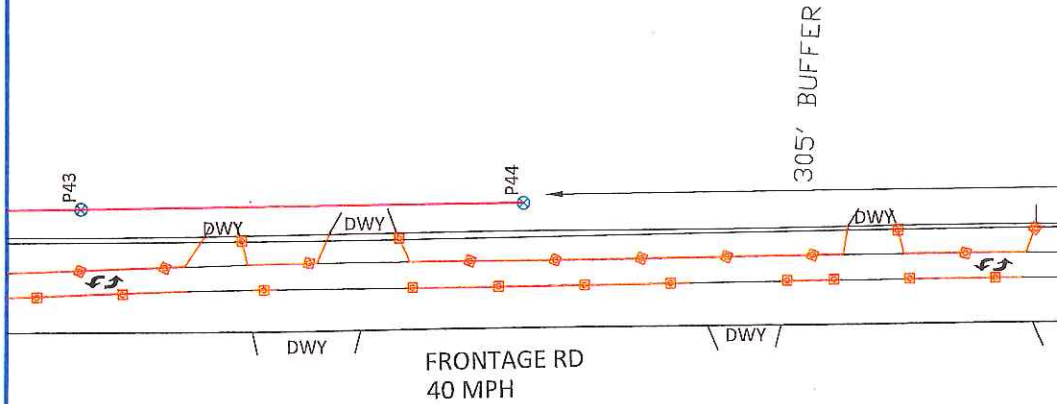
TABLE A

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	150 FT.	7	30 FT.	200 FT.
35 MPH	180 FT.	8	35 FT.	250 FT.
40 MPH	245 FT.	9	40 FT.	300 FT.
45 MPH	340 FT.	13	45 FT.	350 FT.
50 MPH	540 FT.	13	50 FT.	600 FT.
55+ MPH	1000 FT.	21	55 FT.	1000 FT.

(* NOTE: BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
- Flagger



IMPORTANT NOTICE
 Section # 4216/1217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid for your Dig Alert I.D.
 CALL TOLL FREE 1-800-227-2800
 48 HOURS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT



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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEFNCO	9/7/2018
APPROVED:			
APPROVED:			
APPROVED:			

TRAFFIC CONTROL PLAN 2

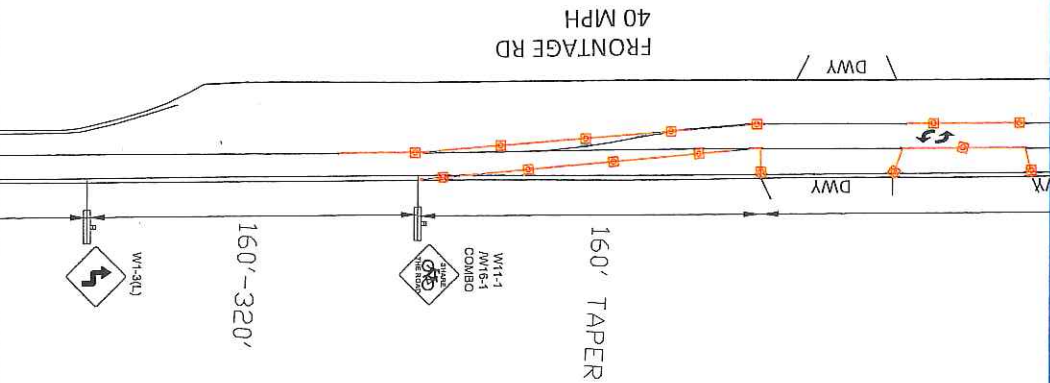
PROJ#: 267694
 SCALE = N.T.S.
 CONSTRUCTION TYPE: RELASH
 SYSTEM:
 NODE:
 SHEET: 4 OF 6

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	5	25 FT.	150 FT.
30 MPH	150 FT.	7	30 FT.	200 FT.
35 MPH	175 FT.	9	35 FT.	250 FT.
40 MPH	200 FT.	11	40 FT.	300 FT.
45 MPH	225 FT.	13	45 FT.	350 FT.
50 MPH	250 FT.	15	50 FT.	400 FT.
55+ MPH	1000 FT.	21	50 FT.	1000 FT.

(*) NOTE - BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

-  Sign
-  Direction of Travel
(Not a pavement marking)
-  Flashing Arrow Sign (Where Required)
Refer to Page 7 of Caltrans manual
Type A, Type I, or Type II.
-  High Level Warning Device (Flagfree)
-  Barricade (For Excavation Only)
Refer to Page 12 of Caltrans manual
to select for Details on
Type I, Type II, or Type III.
-  Flagger



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DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEF/CO	9/7/2018
APPROVED:			
APPROVED:			



IMPORTANT NOTICE
 Section # 4216/4217 of the Government Code requires a
 Dig Alert Identification Number to be issued before a
 "Permit to Excavate" will be valid for your Dig Alert I.D.
 CALL TOLL FREE
 48 HOURS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT
 1-800-227-2600



TRAFFIC CONTROL PLAN 2	
PROJ#: 287894	SCALE = N.T.S
CONSTRUCTION TYPE: RELASH	
SYSTEM:	
NOTE:	

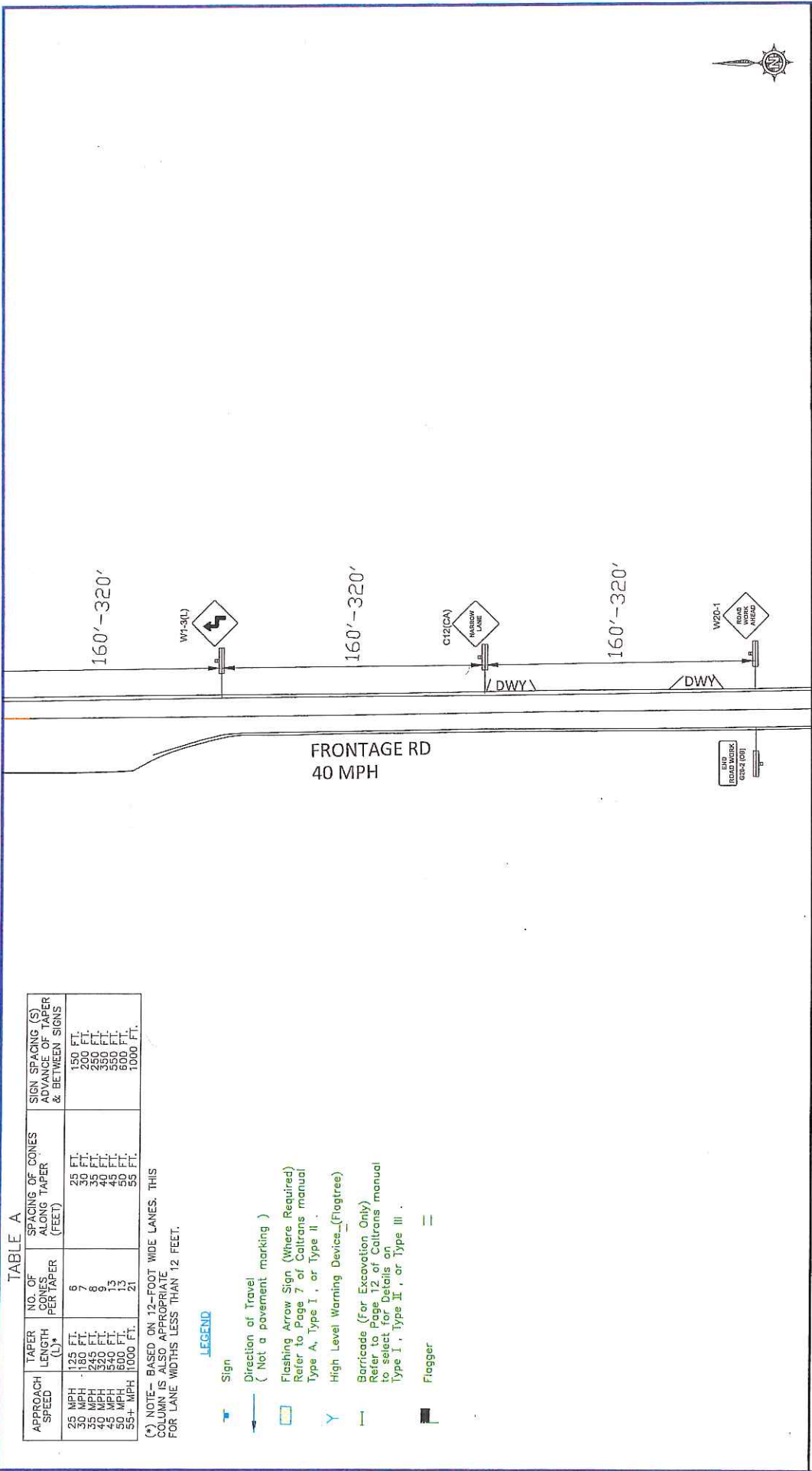


TABLE A

APPROACH SPEED	TAPER LENGTH (L)*	NO. OF CONES PER TAPER	SPACING OF CONES ALONG TAPER (FEET)	SIGN SPACING (S) ADVANCE OF TAPER & BETWEEN SIGNS
25 MPH	125 FT.	6	25 FT.	150 FT.
30 MPH	180 FT.	7	30 FT.	200 FT.
35 MPH	245 FT.	8	35 FT.	250 FT.
40 MPH	320 FT.	9	40 FT.	350 FT.
45 MPH	400 FT.	10	45 FT.	500 FT.
50 MPH	500 FT.	12	50 FT.	600 FT.
55+ MPH	1000 FT.	21	55 FT.	1000 FT.

(* NOTE - BASED ON 12-FOOT WIDE LANES. THIS COLUMN IS ALSO APPROPRIATE FOR LANE WIDTHS LESS THAN 12 FEET.

LEGEND

- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 7 of Caltrans manual Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 of Caltrans manual to select for Details on Type I, Type II, or Type III.
- Flagger

TRAFFIC CONTROL PLAN 2

PROJ#: 257694 SCALE = N.T.S

CONSTRUCTION TYPE: RELASH

SYSTEM:

NOTE: SHEET: 4 OF 5

IMPORTANT NOTICE

Section # 4216 / 4217 of the Government Code requires a Dig Alert Notification to be issued before any excavation work. "Permit to Excavate" will be valid for your Dig Alert I.D.

CALL TOLL FREE 1-800-427-2600

48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT

DESIGN: _____

DRAWN BY: _____

APPROVED: _____

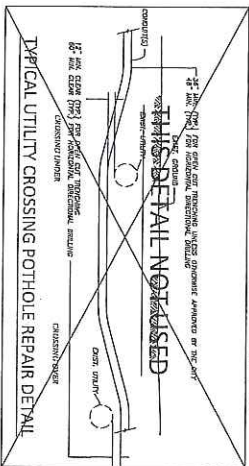
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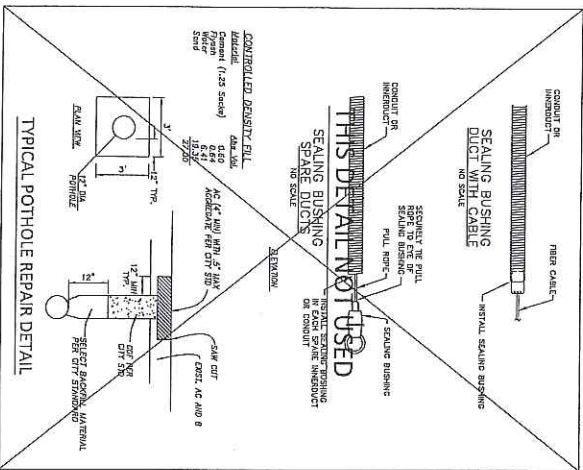
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TYPICAL DETAILS

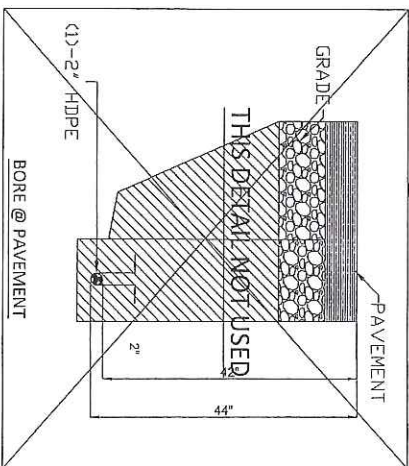
UTILITY CROSSING



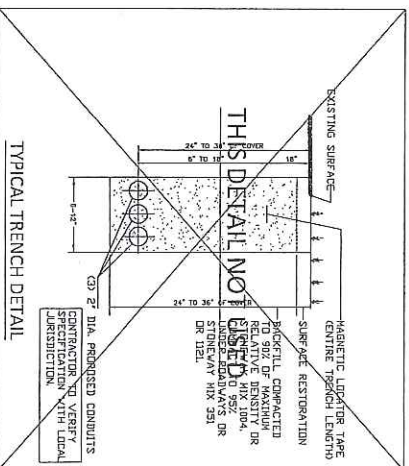
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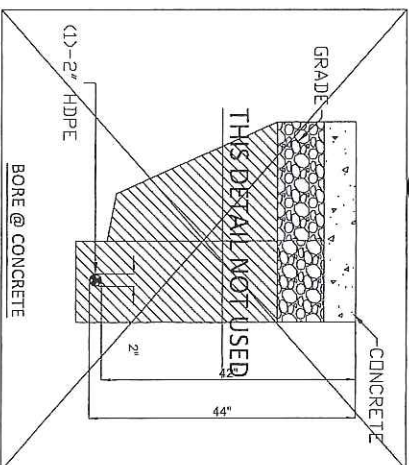
BORE @ PAVEMENT



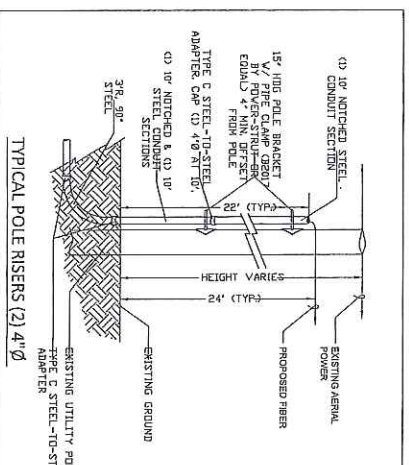
TRENCH



BORE @ CONCRETE



POLE RISER



CONSTRUCTION DETAILS

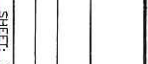
DESIGN:	REV	DESCRIPTION	DATE
DRAWN BY:		SEFICO	9/7/2018
APPROVED:			
APPROVED:			



Section # 4216/4217 of the Government Code requires a permit to be issued before a "Permit to Excavate" will be valid for your Dig Alert I.D. CALL TOLL FREE 48 HOURS BEFORE YOUR DIG ALERT I.D. 1-800-227-2600



PROJ#:	CONSTRUCTION TYPE:	SYSTEM:	NOTE:
267684	RELASH		



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

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.