



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-1901277
Date Issued: 04/29/2019
Start Date: 05/01/2019
Exp. Date: 07/01/2019
Project No: PWP730079
Quad:

UE/CR/PM NO:A01JDTN

ENCROACHMENT PERMIT

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

Encroachment Type:

Trench	Bell Hole		
--------	-----------	--	--

Location:

E/S CARDINAL AVE 679' S/O ARDELL AVE

In compliance with your request of 04/29/2019, 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

Est. Permit Fee: \$768.10

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 03/04/19

To: San Joaquin County
Department of Public Works

AT&T / VCC 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		
VALID	TO	DRIVEWAYS:
STREET		*
AREA	QUAD	*
TYPE		*
FORMS		
NOTES		

Sketch (Detailed plans may be submitted)

A COPY OF THE TRAFFIC CONTROL PLAN IS SUBMITTED WITH THIS PERMIT;
SEE ATTACHMENTS

A01JDTN

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the EAST side of S CARDINAL AVE approximately 679 feet mile SOUTHEAST of E ARDELL AVE, by performing the following work (description of work):
DIG (1) 4'X4' PIT & PLACE (1) NEW 2'X3' SPLICEBOX, PLACE 6' 1-2" DUCT VIA TRENCH.
REMOVE & RESTORE 20 SQ FT OF CONCRETE.

PLEASE SEE ATTACHED DOCUMENT FOR OTHER SPECIFIC JOB LOCATION & DESCRIPTION.

Work will commence on or about 5/1/19 for approximately 5 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 AT&T, Engineering Administrator 4-2-2019
Signature of Applicant - Title Date

A01 JDTN



SAN JOAQUIN
COUNTY
Greatness grows here.



Department of Public Works

Kris Balaji, Director of Public Works

Fritz Buchman, Deputy Director/Development

Michael Selling, Deputy Director/Engineering

Jim Stone, Deputy Director/Operations

Kristi Rhea, Manager of Strategic Initiatives

Acknowledgement of Monument Preservation

I, JAMES S. OAK, a duly Licensed Land Surveyor or a Professional Engineer
(Please print)

authorized to perform Land Surveying in the State of California, Registration No. L.S. 3718,

hereby acknowledge and accept all responsibility for the monument preservation as required

per Section 8771(a-f) of the Business and Professions Code within the bounds of the

construction activity permitted by San Joaquin County Permit No. _____.

I further acknowledge that I am hereby responsible for the Acknowledgement of Monument

Preservation prior to final acceptance of the construction activity.

James S Oak
Signature

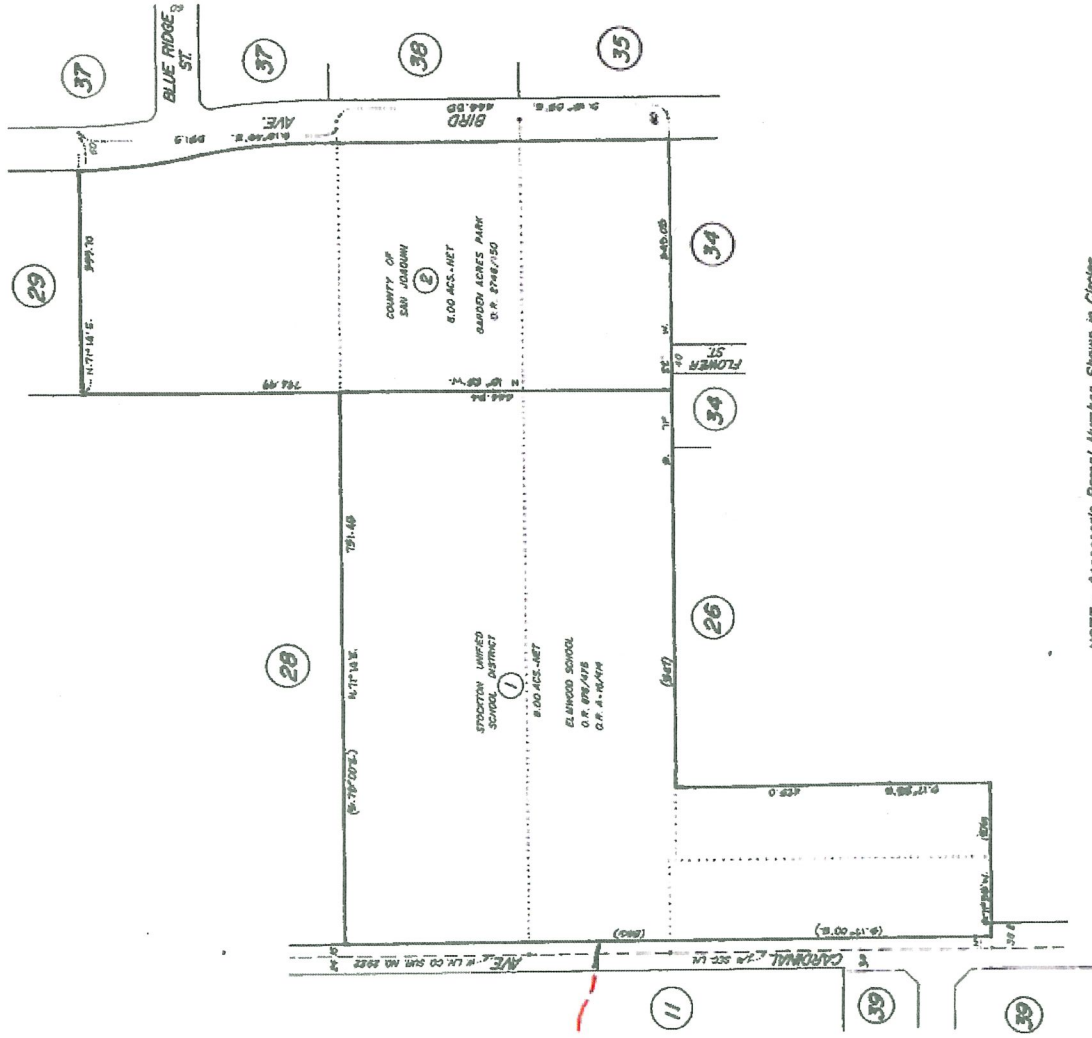
3-27-19
Date

Seal



PS-MONUMENT PRESERVATION

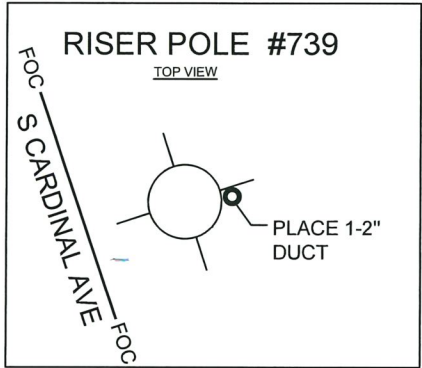
A01 JDTN



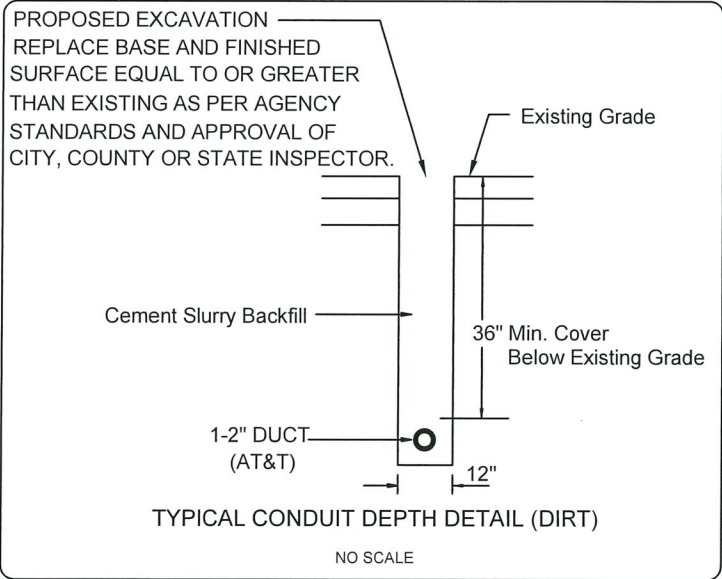
NOTE - Assessor's Parcel Number Shown in Circles

CONSTRUCTION NOTES

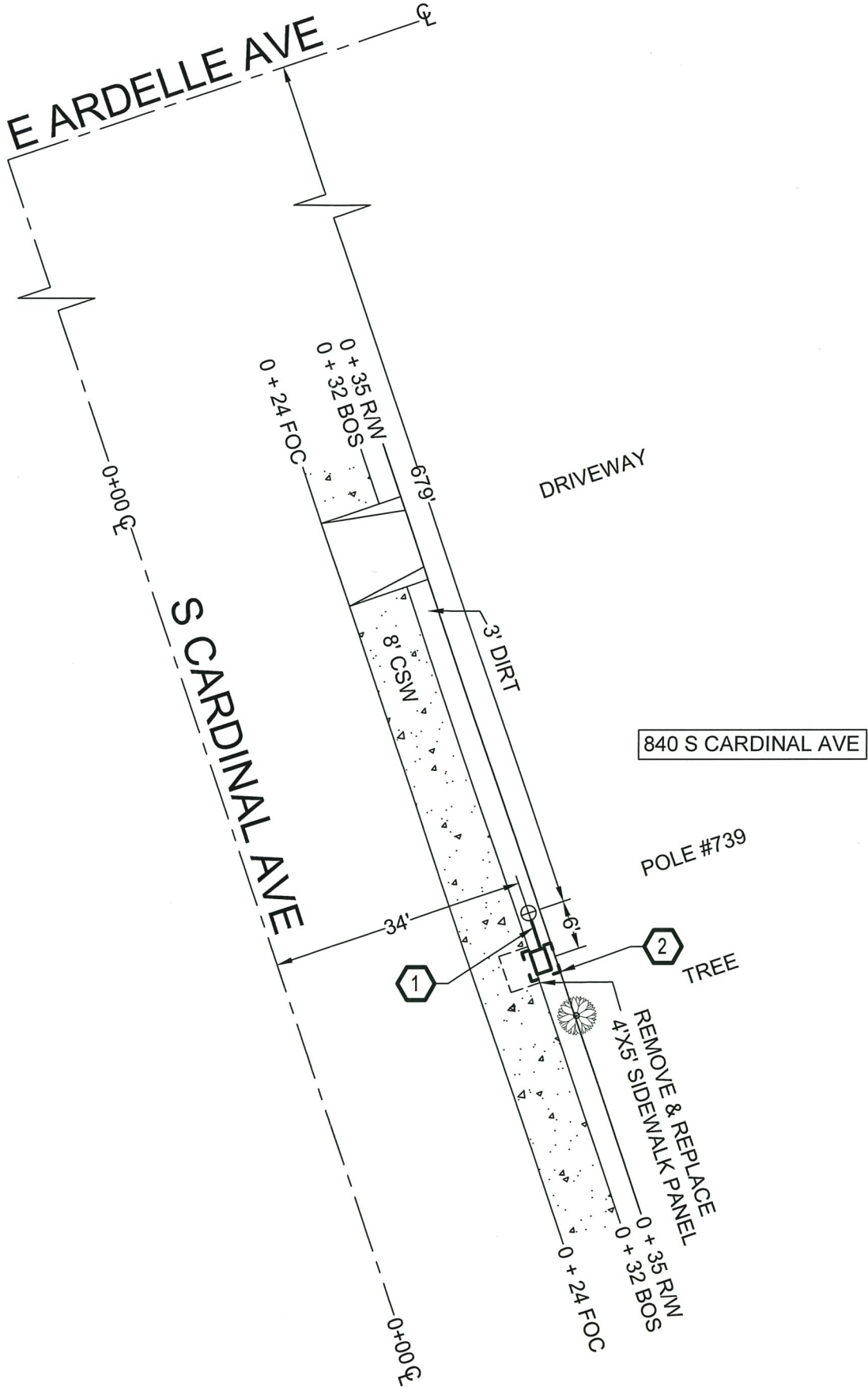
- 1
- PL. 6' 1-2" DUCT
PTS 66 OR EQUIV.
PM 1 DU 6'
VIA TRENCH
- 2
- DIG 4'X4' PIT
PL. NEW 2'X3' SB



TYPICAL TRENCH DETAIL



EXCAVATION DATA			
OWNER	ASPHALT	DIRT	CONCRETE
COUNTY OF SAN JOAQUIN		(DIG PIT)	SIDEWALK PANEL
		4'X3'=12 SQ FT	4'X5'=20 SQ FT
		6'X1'=6 SQ FT	



ISSUE	DATE
1	03/04/19

LEGEND

-
- POLE
-
- FACE OF CURB
-
- PROPOSED CONDUIT
-
- PROPERTY LINE
-
- CENTERLINE
-
- BACK OF SIDEWALK
-
- STOP SIGN
-
- CONCRETE SIDEWALK
-
- EDGE OF PAVEMENT

Call USA @ 811
48hrs prior to start of work

SAFETY NOTE

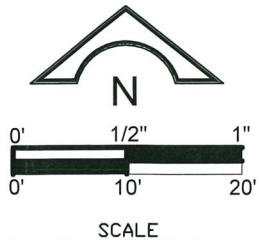
WORK AREA WILL INCLUDE LANE
CLOSURE ON ROAD WITH VERY HIGH
TRAFFIC VOLUME. PLEASE PROVIDE
COMPLETE WORK AREA PROTECTION.

M.O.P REQUIRED
CATEGORY - 3

FOLLOW PROCEDURES AS DETAILED IN
NORTHERN SECTOR PLAN FOR PROTECTION
OF UNDERGROUND AND BURIED CABLE
M.O.P. DATED

GENERAL NOTES:

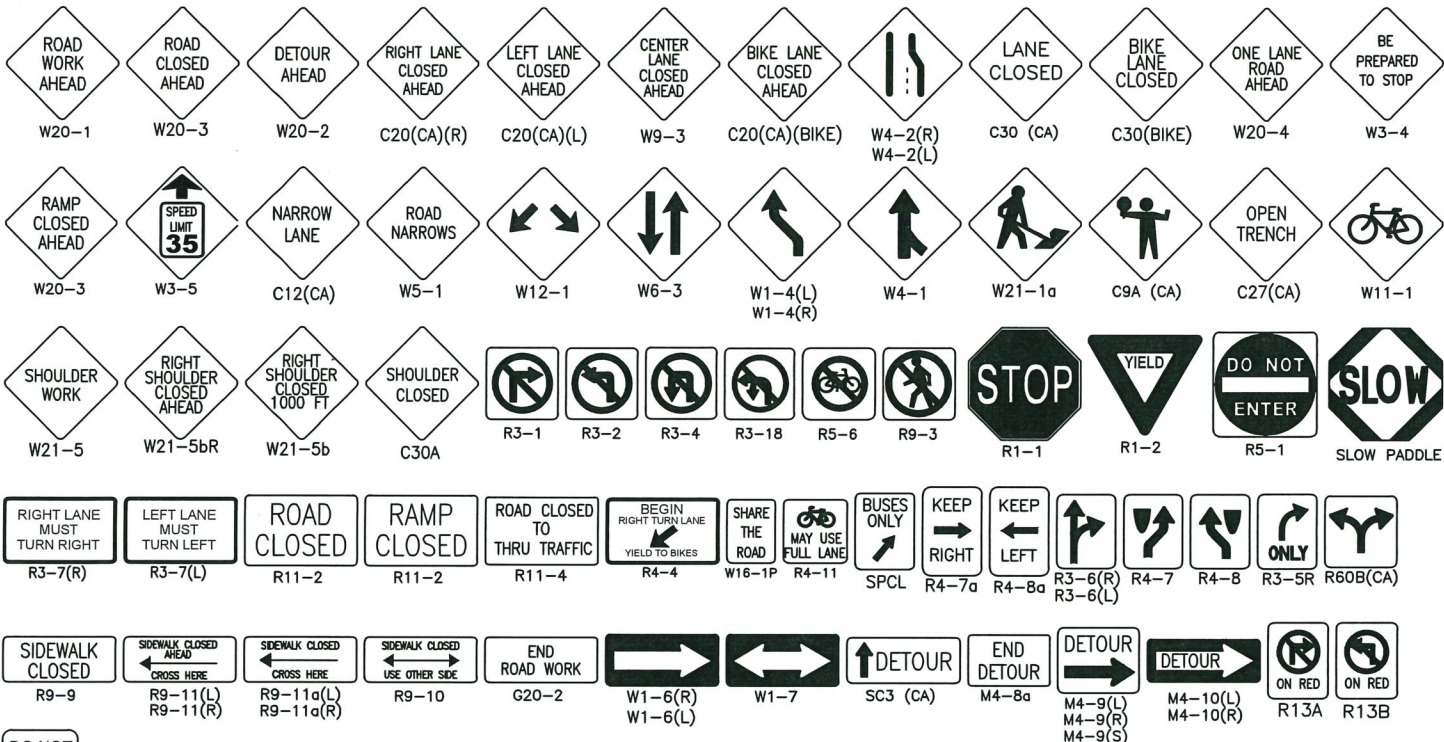
1. CONTRACTOR SHALL REQUEST LOCATION OF
UNDERGROUND FACILITIES BY USA
2. CONTRACTOR WILL COMPLY WITH ALL
SAN JOAQUIN COUNTY REGULATIONS FOR SPLICE
PIT & SURFACE COMPACTION
3. CONTRACTOR WILL RETURN WORK AREA BACK
TO ORIGINAL OR BETTER CONDITION PRIOR TO
START OF WORK
4. MAINTAIN 36" MINIMUM COVER



CHC Consulting
1845 W. Orangewood Ave., Suite 300
Orange, CA 92868
(949) 250-0004 / FAX (949) 250-0006

GEO / CD UE73
EXCHANGE: SKTNCA01
ENG. RICHARD ABALLE
TEL: 209-578-7351 ENG.ARC V0KDEEB00
TYPE OF CONST. UG CONDUIT & SB PLACEMENT
RD /EST NO. A01JDTN
DWG 1 OF 1 P

SIGN LEGEND



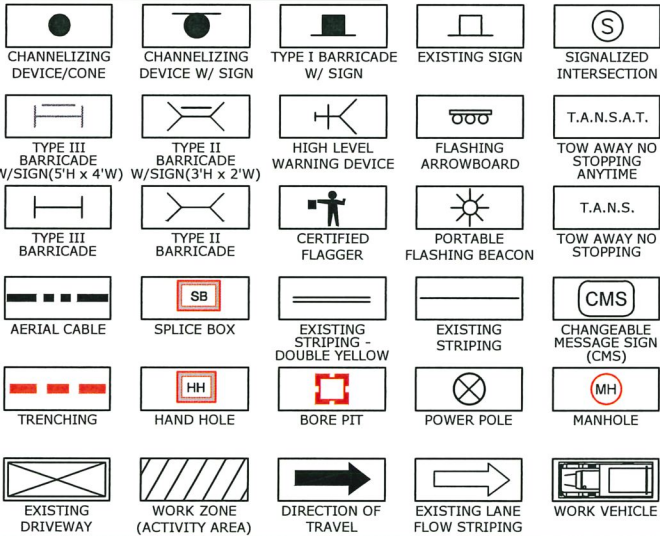
DO NOT
STOP
ON
TRACKS
R8-8

JOB LOCATION: 840 S. CARDINAL AVE.	WORK HOURS: FROM: _____ TO: _____
BEGIN CROSS STREET: MEADOWOOD DR.	END CROSS STREET: ARDELLE AVE.
PERMIT NUMBER:	THOMAS GUIDE:
SCOPE OF WORK: TRENCHING, DIG PIT & PL. SB	

START DATE:	END DATE:
-------------	-----------

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

SYMBOL LEGEND



POSTED SPEED LIMIT	APPROACH SPEED	TAPER LENGTH	CONE SPACING	SIGN SPACING
25 MPH	25 MPH	45 FT	25 FT	100 FT

TRAFFIC CONTROL PLAN DISCLOSURE:

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 SOLELY FOR THE PURPOSE OF GUIDANCE TO ASSIST IN THE SET UP OF THE TRAFFIC CONTROL PLANS.

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE AN OFFICIAL PERMIT. CONTACT THE AGENCY FOR INFORMATION ON OBTAINING A PERMIT.

GENERAL TRAFFIC CONTROL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR PROMPTLY RESTORING THE ROAD BACK TO SATISFACTORY CONDITION WHICH INCLUDES, BUT IS NOT LIMITED TO, PAVING, STRIPING, MARKINGS, SIGNAGE, AND LOOP DETECTION. ALL PLANS SHALL BE IN ACCORDANCE WITH 2014 CAMUTCD.
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 BACKFILLED OR STEEL-PLATED DURING NON-WORK HOURS. STEEL PLATES SHALL HAVE AN ASPHALT RAMP ON ALL EDGES, SECURELY SUPPORTED SO THEY WON'T ROCK AND A SIGN POSTED NEAR THE PLATES IDENTIFYING THE CONTRACTOR'S NAME AND 24 HOUR EMERGENCY TELEPHONE NUMBER. ALL DIRT, DUST, AND DEBRIS SHALL BE REMOVED FROM THE STREET AT THE END OF EACH DAY AND AT THE END OF THE JOB. THE STREET SHALL BE KEPT IN A DRIVABLE CONDITION AT ALL TIMES.
4. ANY WORK THAT CREATES AN UNDUE 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 BAG PARKING METERS (WHERE APPLICABLE).
13. OPEN CUT 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. CONSTRUCTION SIGNS SHALL NOT OBSTRUCT SIGHT VISIBILITY AT DRIVEWAYS.
17. CONTRACTOR SHALL NOTIFY ALL LOCAL BUSINESS OWNERS/OCCUPANTS 72 HOURS IN ADVANCE PRIOR TO ANY CONSTRUCTION ADJACENT TO BUSINESSES.

-TABLE 6C-1 2014 CALIFORNIA MUTCD- -RECOMMENDED ADVANCE WARNING SIGN SPACING-			
ROAD TYPE	DISTANCE BETWEEN SIGNS**		
	A	B	C
URBAN - 25 MPH OR LESS***	100 FEET	100 FEET	100 FEET
URBAN - MORE THAN 25 MPH TO 40 MPH***	250 FEET	250 FEET	250 FEET
URBAN - MORE THAN 40 MPH***	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY/FREEWAY	1,000 FEET	1,500 FEET	2,640 FEET

** THE COLUMN HEADING A, B, AND C ARE THE DIMENSIONS SHOWN IN FIGURES 6H-1 THROUGH 6H-46. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGN. (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO TTC ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TTC ZONE.)

*** POSTED SPEED LIMIT, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR OTHER ANTICIPATED OPERATING SPEED IN MPH

-TABLE 6C-2 2014 CALIFORNIA MUTCD- -STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED ON LEVEL ROADS- (USED AS SUGGESTED LONGITUDINAL BUFFER SPACE LENGTH OR LOCATION FOR FLAGGER STATION)		
SPEED* (MPH)	DISTANCE (FT)	
20	115	
25	155	
30	200	
35	250	
40	305	
45	360	
50	425	
55	495	
60	570	
65	645	
70	730	
75	820	

* POSTED SPEED, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING OR THE ANTICIPATED OPERATING SPEED IN MPH

-TABLE 6C-3 2014 CALIFORNIA MUTCD- -TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONE-	
TYPE OF TAPER	TAPER LENGTH (L)*
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5 L
SHOULDER TAPER	AT LEAST 0.33 L
ONE LANE, TWO-WAY TRAFFIC TAPER	SOFT MINIMUM, 100FT MAXIMUM
DOWNSTREAM TAPER	SOFT MINIMUM, 100FT MAXIMUM

-TABLE 6C-4 2014 CALIFORNIA MUTCD- -FORMULAS FOR DETERMINING TAPER LENGTH-	
SPEED LIMIT (S) FEET	TAPER LENGTH (L) FEET
40 MPH OR LESS	L= WS ² 60
45 MPH OR MORE	L= WS

WHERE: L= TAPER LENGTH IN METERS (FEET)
W= WIDTH OF OFFSET IN METERS (FEET)
S= POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN KM/H (MPH)

COUNTY OF: SAN JOAQUIN

TRAFFIC CONTROL PLAN

PLANS ACCEPTED BY: DATE _____	CHC Consulting 1845 W. Orangewood Ave., Suite 300, Orange, CA 92868 (949) 250-0004 / FAX (949) 250-0006 PLANS PREPARED BY: NAME: <u>NISHITA SHARMA</u> PHONE: <u>(949) 250-0004</u> DATE: <u>03-01-19</u> REVISION DATE: <u>N/A</u>	JOB NUMBER <u>A01JDTN</u> SCALE: <u>N/A</u> PAGE: <u>COVER SHEET</u>
R.C.E. EXP. DATE _____		

S. CARDINAL AVE. & MEADOWWOOD DR.
TRENCHING, DIG PIT & PL. SB
(UNDERGROUND)
WORK AREA 1 OF 1



ISSUE	DATE
1	03-01-19



S. CARDINAL AVE.

CONTRACTOR TO CONTACT ELMWOOD ELEMENTARY SCHOOL ADMINISTRATION 72 HOURS PRIOR TO START OF WORK

CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

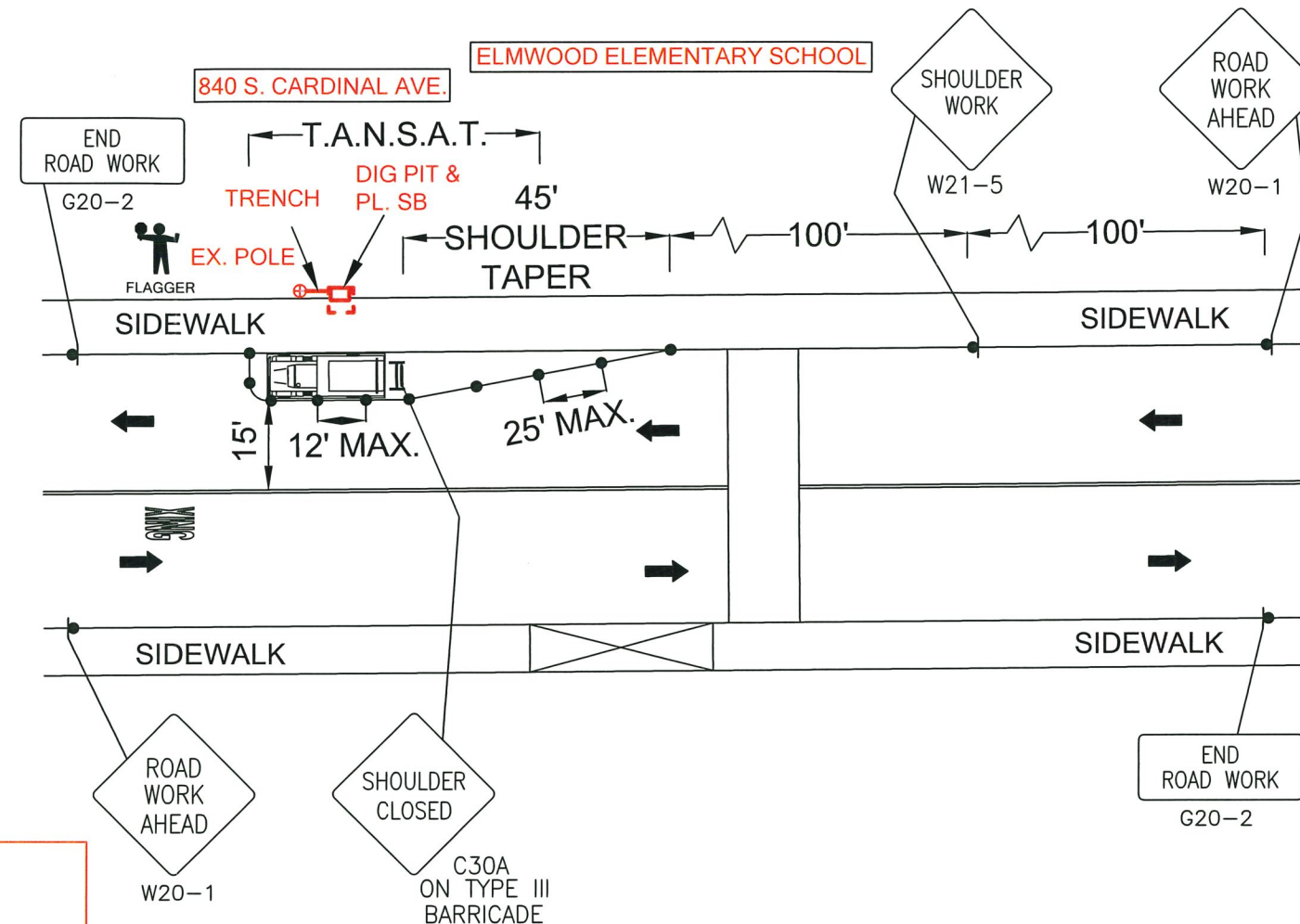
DIG PIT IS +/- 679' NW OF THE C/L OF MEADOWWOOD DR.

FLAGGER TO ASSIST PEDESTRIANS THROUGH WORK AREA (SEE PED NOTES)

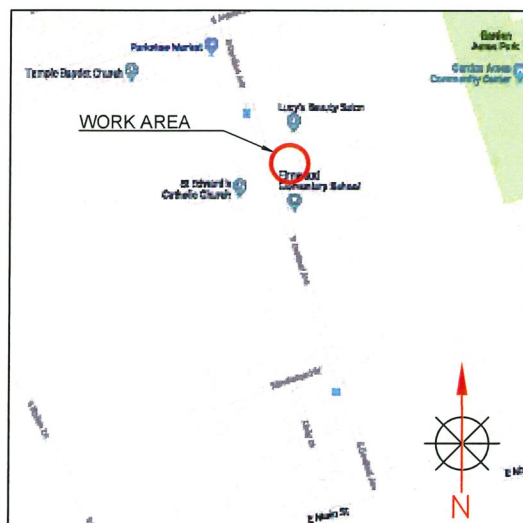
PEDESTRIAN CONTROL NOTES:

A DEDICATED INDIVIDUAL WILL BE ASSIGNED THE RESPONSIBILITY OF ESCORTING PEDESTRIANS THROUGH THE WORK AREA IN ACCORDANCE WITH THREE MAJOR CONSIDERATIONS:

1. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH WORK SITE VEHICLES, EQUIPMENT OR OPERATIONS
2. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH MAINLINE TRAFFIC MOVING THROUGH OR AROUND THE WORK SITE.
3. PEDESTRIANS SHOULD BE PROVIDED WITH A REASONABLY SAFE, CONVENIENT AND ACCESSIBLE PATH THAT REPLICATES AS NEARLY AS PRACTICAL THE MOST DESIRABLE CHARACTERISTICS OF THE EXISTING SIDEWALK OR FOOTPATH



LOCATION MAP



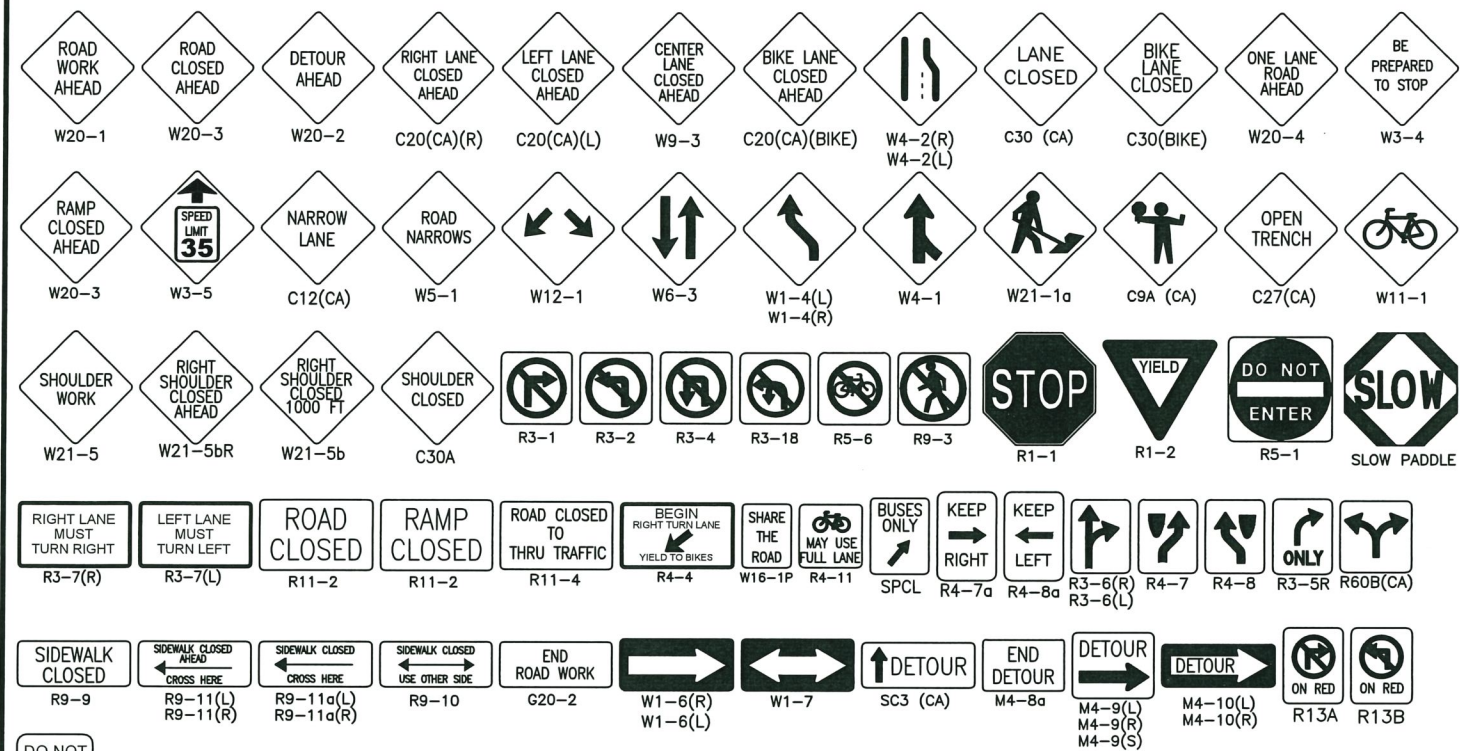
LEGEND

- * = PORTABLE FLASHING BEACON (P.F.B.)
- = TYPE III BARRICADE W/SIGN (5'H x 4'W)
- = TYPE II BARRICADE W/SIGN (3'H x 2'W)
- = 28" (11cm) TRAFFIC CONES W/ 13" (5cm) REFLECTIVE SLEEVE FOR DAY/NIGHT USE OR DELINEATORS IF DAY USE ONLY
- = TRAFFIC CONE WITH CLIP ON SIGN
- = TYPE I W/ SIGN
- = EXISTING SIGN
- ⊙ = SIGNALIZED INTERSECTION
- = FLASHING ARROWBOARD
- = HIGH LEVEL WARNING DEVICE (FLAGTREE)
- = FLAGGER
- TANSAT = TOW AWAY NO STOPPING ANY TIME
- = EXISTING DRIVEWAY
- = WORK ZONE (ACTIVITY AREA) LIMITS
- = DIRECTION OF TRAFFIC

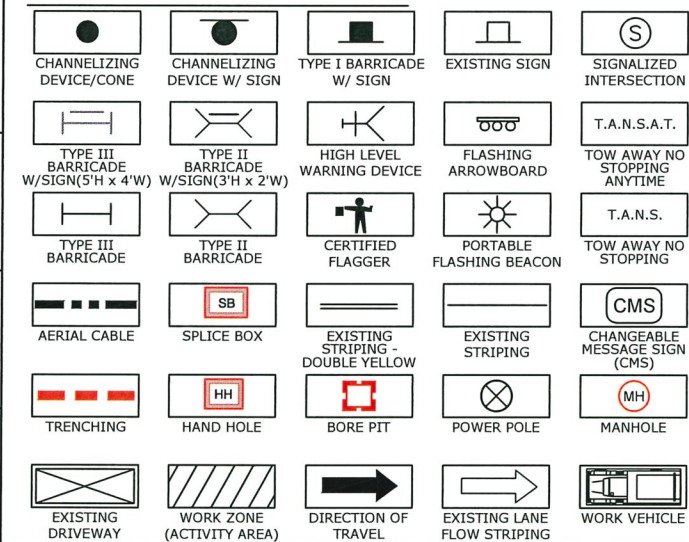
MAINTAIN DRIVEWAY ACCESS AT ALL TIMES

PHASE #1 OF 1	
TYPE OF CONSTRUCTION: TRENCHING, DIG PIT & PL. SB	
JOB NUMBER: A01JDTN	
PAGE: TC-1	OF TC-1
SCALE: 1:30	

SIGN LEGEND



SYMBOL LEGEND



GENERAL TRAFFIC CONTROL NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR PROMPTLY RESTORING THE ROAD BACK TO SATISFACTORY CONDITION WHICH INCLUDES, BUT IS NOT LIMITED TO, PAVING, STRIPING, MARKINGS, SIGNAGE, AND LOOP DETECTION. ALL PLANS SHALL BE IN ACCORDANCE WITH 2014 CAMUTCD.
- 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 BACKFILLED OR STEEL-PLATED DURING NON-WORK HOURS. STEEL PLATES SHALL HAVE AN ASPHALT RAMP ON ALL EDGES, SECURELY SUPPORTED SO THEY WON'T ROCK AND A SIGN POSTED NEAR THE PLATES IDENTIFYING THE CONTRACTOR'S NAME AND 24 HOUR EMERGENCY TELEPHONE NUMBER. ALL DIRT, DUST, AND DEBRIS SHALL BE REMOVED FROM THE STREET AT THE END OF EACH DAY AND AT THE END OF THE JOB. THE STREET SHALL BE KEPT IN A DRIVABLE CONDITION AT ALL TIMES.
- 4. ANY WORK THAT CREATES AN UNDUE 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 BAG PARKING METERS (WHERE APPLICABLE).
- 13. OPEN CUT 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. CONSTRUCTION SIGNS SHALL NOT OBSTRUCT SIGHT VISIBILITY AT DRIVEWAYS.
- 17. CONTRACTOR SHALL NOTIFY ALL LOCAL BUSINESS OWNERS/OCCUPANTS 72 HOURS IN ADVANCE PRIOR TO ANY CONSTRUCTION ADJACENT TO BUSINESSES.

JOB LOCATION:
809 S CARDINAL AVE.

BEGIN CROSS STREET:
S DEL MAR AVE.

PERMIT NUMBER:

SCOPE OF WORK:
AERIAL PLACEMENT, SB & MH ACCESS

START DATE:

END DATE:

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

WORK HOURS:
FROM:
TO:

END CROSS STREET:
BIRD AVE.

THOMAS GUIDE:

POSTED SPEED LIMIT	APPROACH SPEED	TAPER LENGTH	CONE SPACING	SIGN SPACING
VARIES	VARIES	VARIES	VARIES	VARIES
TRAFFIC CONTROL PLAN DISCLOSURE:				
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 SOLELY FOR THE PURPOSE OF GUIDANCE TO ASSIST IN THE SET UP OF THE TRAFFIC CONTROL PLANS.				
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE AN OFFICIAL PERMIT. CONTACT THE AGENCY FOR INFORMATION ON OBTAINING A PERMIT.				

-TABLE 6C-1 2014 CALIFORNIA MUTCD- -RECOMMENDED ADVANCE WARNING SIGN SPACING-				
ROAD TYPE	DISTANCE BETWEEN SIGNS**			
	A	B	C	
URBAN - 25 MPH OR LESS***	100 FEET	100 FEET	100 FEET	
URBAN - MORE THAN 25 MPH TO 40 MPH***	250 FEET	250 FEET	250 FEET	
URBAN - MORE THAN 40 MPH***	350 FEET	350 FEET	350 FEET	
RURAL	500 FEET	500 FEET	500 FEET	
EXPRESSWAY/FREEWAY	1,000 FEET	1,500 FEET	2,640 FEET	

*** THE COLUMN HEADING A, B, AND C ARE THE DIMENSIONS SHOWN IN FIGURES 6H-1 THROUGH 6H-46. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGN. (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO TTC ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TTC ZONE.)

*** POSTED SPEED LIMIT, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR OTHER ANTICIPATED OPERATING SPEED IN MPH

-TABLE 6C-2 2014 CALIFORNIA MUTCD- -STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED ON LEVEL ROADS- (USED AS SUGGESTED LONGITUDINAL BUFFER SPACE LENGTH OR LOCATION FOR FLAGGER STATION)		
SPEED* (MPH)	DISTANCE (FT)	
20	115	
25	155	
30	200	
35	250	
40	305	
45	360	
50	425	
55	495	
60	570	
65	645	
70	730	
75	820	

* POSTED SPEED, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING OR THE ANTICIPATED OPERATING SPEED IN MPH

-TABLE 6C-3 2014 CALIFORNIA MUTCD- -TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONE-	
TYPE OF TAPER	TAPER LENGTH (L)*
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5 L
SHOULDER TAPER	AT LEAST 0.33 L
ONE LANE, TWO-WAY TRAFFIC TAPER	SOFT MINIMUM, 100FT MAXIMUM
DOWNSTREAM TAPER	SOFT MINIMUM, 100FT MAXIMUM

-TABLE 6C-4 2014 CALIFORNIA MUTCD- -FORMULAS FOR DETERMINING TAPER LENGTH-	
SPEED LIMIT (S)	TAPER LENGTH (L) FEET
40 MPH OR LESS	L= WS ² 60
45 MPH OR MORE	L=WS

WHERE: L= TAPER LENGTH IN METERS (FEET)
W= WIDTH OF OFFSET IN METERS (FEET)
S= POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN KM/H (MPH)

COUNTY OF: SAN JOAQUIN

TRAFFIC CONTROL PLAN

PLANS ACCEPTED BY:

DATE

R.C.E.

EXP. DATE

CHC Consulting
1845 W. Orangewood Ave., Suite 300, Orange, CA 92868
(949) 250-0004 / FAX (949) 250-0006

PLANS PREPARED BY:
NAME: **JAI PRABHAT**
PHONE: **(949) 250-0004**
DATE: **03-05-19** REVISION DATE: **N/A**

JOB NUMBER **A01JDTN**
SCALE: **N/A**

PAGE: **COVER SHEET**

*SB#2586 ACCESS
WORK AREA 1 OF 3*

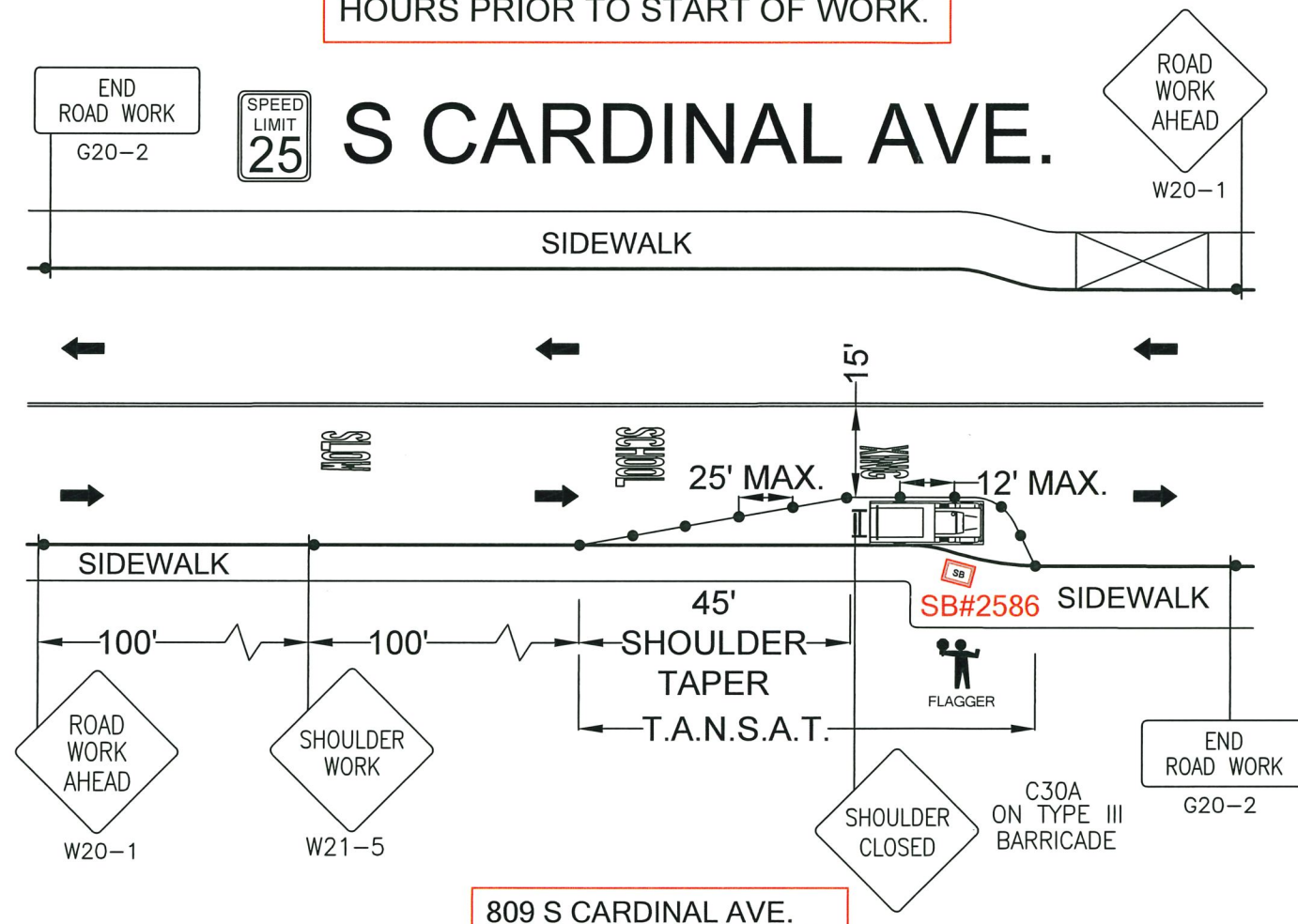


ISSUE	DATE
1	03-05-19

CONTRACTOR TO CONTACT ELMWOOD
ELEMENTARY SCHOOL ADMINISTRATION
72 HOURS PRIOR TO START OF WORK.

FLAGGER TO ASSIST PEDESTRIANS
THROUGH WORK AREA
(SEE PED NOTES)

CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

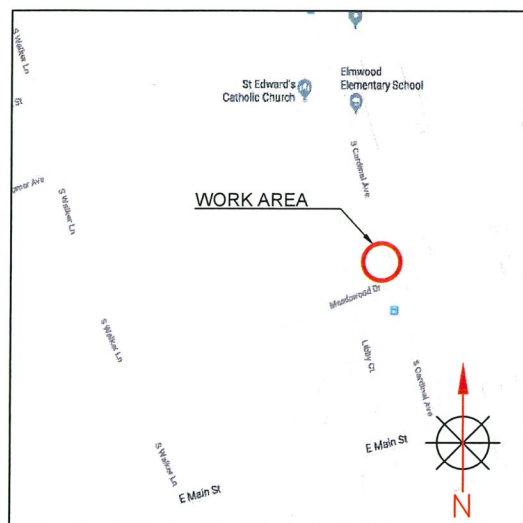


PEDESTRIAN CONTROL NOTES:















A DEDICATED INDIVIDUAL WILL BE ASSIGNED THE RESPONSIBILITY OF ESCORTING PEDESTRIANS THROUGH THE WORK AREA IN ACCORDANCE WITH THREE MAJOR CONSIDERATIONS:

1. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH WORK SITE VEHICLES, EQUIPMENT OR OPERATIONS
2. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH MAINLINE TRAFFIC MOVING THROUGH OR AROUND THE WORK SITE.
3. PEDESTRIANS SHOULD BE PROVIDED WITH A REASONABLY SAFE, CONVENIENT AND ACCESSIBLE PATH THAT REPLICATES AS NEARLY AS PRACTICAL THE MOST DESIRABLE CHARACTERISTICS OF THE EXISTING SIDEWALK OR FOOTPATH

LOCATION MAP



LEGEND

- | | |
|---|---|
|  | = PORTABLE FLASHING BEACON (P.F.B.) |
|  | = TYPE III BARRICADE W/SIGN (5'H x 4'W) |
|  | = TYPE II BARRICADE W/SIGN (3'H x 2'W) |
|  | = 28" (11cm) TRAFFIC CONES W/ 13" (5cm) REFLECTIVE SLEEVE
FOR DAY/NIGHT USE OR DELINEATORS IF DAY USE ONLY |
|  | = TRAFFIC CONE WITH CLIP ON SIGN |
|  | = TYPE I W/ SIGN |
|  | = EXISTING SIGN |
|  | = SIGNALIZED INTERSECTION |
|  | = FLASHING ARROWBOARD |
|  | = HIGH LEVEL WARNING DEVICE (FLAGTREE) |
|  | = FLAGGER |
| TANSAT | = TOW AWAY NO STOPPING ANY TIME |
|  | = EXISTING DRIVEWAY |
|  | = WORK ZONE (ACTIVITY AREA) LIMITS |
|  | = DIRECTION OF TRAFFIC |



**MAINTAIN DRIVEWAY ACCESS
AT ALL TIMES**

PHASE 1 OF 1

TYPE OF CONSTRUCTION:

SB#2586 ACCESS

JOB NUMBER: A01JDTN

PAGE: TC-1		OF	TC-4	SCALE: 1:30
------------	--	----	------	----------------

S CARDINAL AVE. & MEADOWWOOD DR.
AERIAL PLACEMENT
WORK AREA 2 OF 3
PHASE 1 OF 2

	ISSUE	DATE
	1	03-05-19

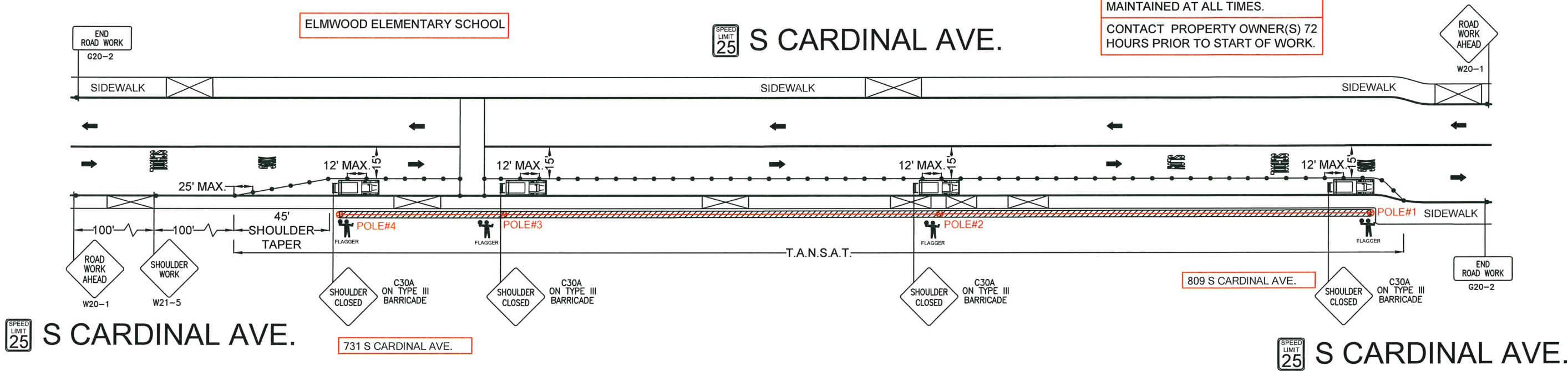
CONTRACTOR TO CONTACT ELMWOOD
ELEMENTARY SCHOOL ADMINISTRATION
72 HOURS PRIOR TO START OF WORK.

FLAGGER TO ASSIST PEDESTRIANS
THROUGH WORK AREA
(SEE PED NOTES)

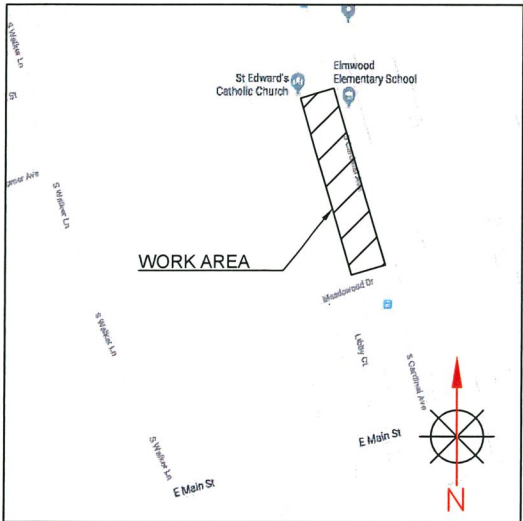
POLE#1 IS +/- 125' NW OF THE
C/L OF MEADOWWOOD DR.

ACCESS TO DRIVEWAY MUST BE
MAINTAINED AT ALL TIMES.

CONTACT PROPERTY OWNER(S) 72
HOURS PRIOR TO START OF WORK.



LOCATION MAP



PEDESTRIAN CONTROL NOTES:

A DEDICATED INDIVIDUAL WILL BE ASSIGNED THE RESPONSIBILITY OF ESCORTING PEDESTRIANS THROUGH THE WORK AREA IN ACCORDANCE WITH THREE MAJOR CONSIDERATIONS:

1. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH WORK SITE VEHICLES, EQUIPMENT OR OPERATIONS
2. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH MAINLINE TRAFFIC MOVING THROUGH OR AROUND THE WORK SITE.
3. PEDESTRIANS SHOULD BE PROVIDED WITH A REASONABLY SAFE, CONVENIENT AND ACCESSIBLE PATH THAT REPLICATES AS NEARLY AS PRACTICAL THE MOST DESIRABLE CHARACTERISTICS OF THE EXISTING SIDEWALK OR FOOTPATH

LEGEND

- * = PORTABLE FLASHING BEACON (P.F.B.)
- = TYPE III BARRICADE W/SIGN (5'H x 4'W)
- = TYPE II BARRICADE W/SIGN (3'H x 2'W)
- = 28" (11cm) TRAFFIC CONES W/ 13" (5cm) REFLECTIVE SLEEVE FOR DAY/NIGHT USE OR DELINEATORS IF DAY USE ONLY
- = TRAFFIC CONE WITH CLIP ON SIGN
- = TYPE I W/ SIGN
- = EXISTING SIGN
- ⊙ = SIGNALIZED INTERSECTION
- = FLASHING ARROWBOARD
- = HIGH LEVEL WARNING DEVICE (FLAGTREE)
- = FLAGGER
- TANSAT = TOW AWAY NO STOPPING ANY TIME
- = EXISTING DRIVEWAY
- = WORK ZONE (ACTIVITY AREA) LIMITS
- = DIRECTION OF TRAFFIC



MAINTAIN DRIVEWAY ACCESS
AT ALL TIMES

PHASE 1 OF 2

TYPE OF CONSTRUCTION:
AERIAL PLACEMENT

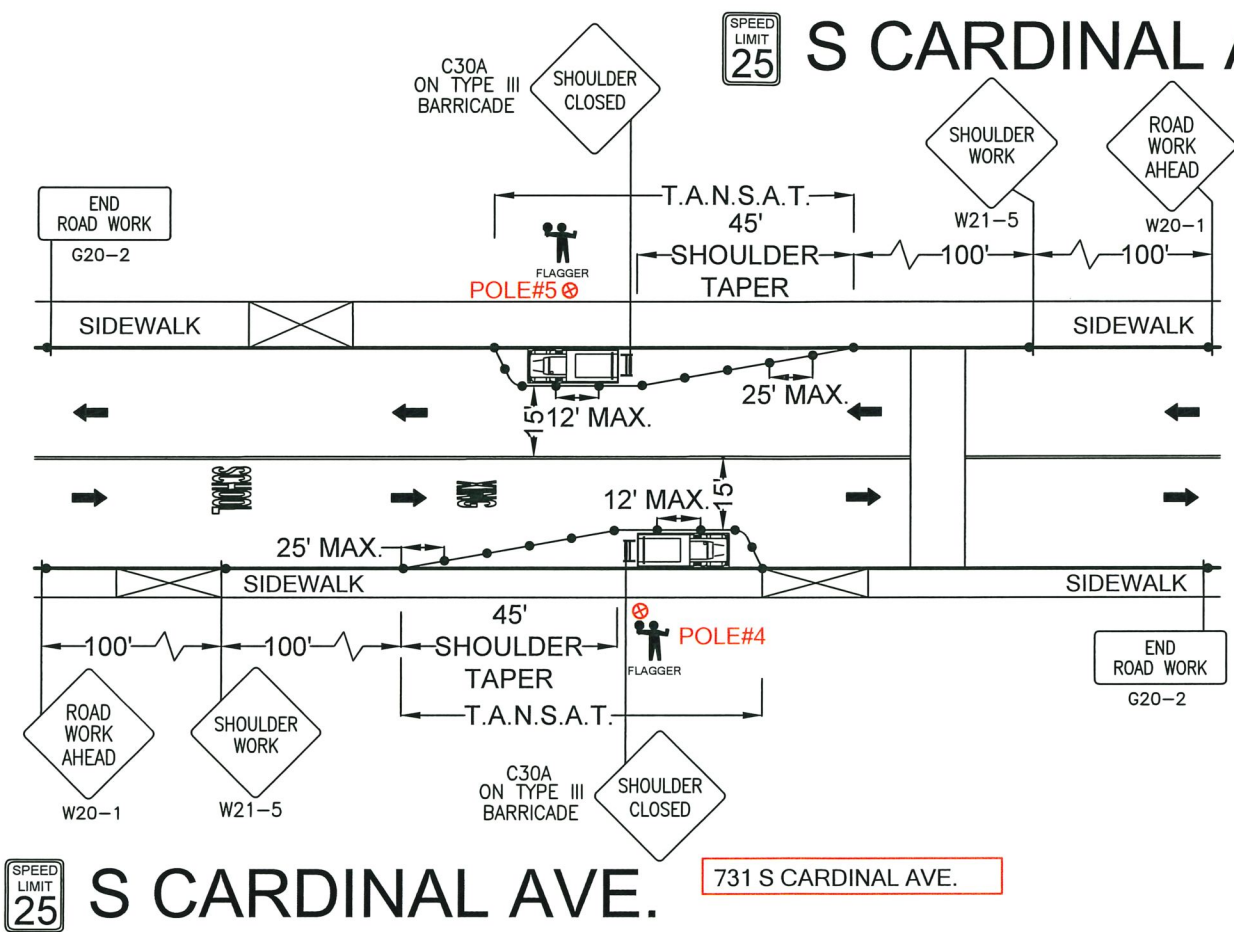
JOB NUMBER: A01JDTN

PAGE: TC-2 OF TC-4 SCALE: 1:50

S CARDINAL AVE. & MEADOWWOOD DR.
AERIAL CROSSING
WORK AREA 2 OF 3
PHASE 2 OF 2

	ISSUE	DATE
	1	03-05-19

ELMWOOD ELEMENTARY SCHOOL



CONTRACTOR TO CONTACT ELMWOOD
ELEMENTARY SCHOOL ADMINISTRATION
72 HOURS PRIOR TO START OF WORK.

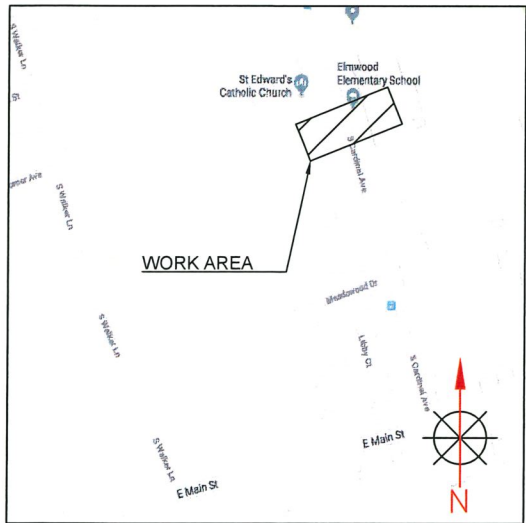
POLE #4 IS +/- 610' N/W OF
THE C/L OF MEADOWWOOD DR.

ACCESS TO DRIVEWAY MUST BE
MAINTAINED AT ALL TIMES.
CONTACT PROPERTY OWNER(S) 72
HOURS PRIOR TO START OF WORK.

FLAGGER TO ASSIST PEDESTRIANS
THROUGH WORK AREA
(SEE PED NOTES)

- PEDESTRIAN CONTROL NOTES:
- A DEDICATED INDIVIDUAL WILL BE ASSIGNED THE RESPONSIBILITY OF ESCORTING PEDESTRIANS THROUGH THE WORK AREA IN ACCORDANCE WITH THREE MAJOR CONSIDERATIONS:
1. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH WORK SITE VEHICLES, EQUIPMENT OR OPERATIONS
 2. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH MAINLINE TRAFFIC MOVING THROUGH OR AROUND THE WORK SITE.
 3. PEDESTRIANS SHOULD BE PROVIDED WITH A REASONABLY SAFE, CONVENIENT AND ACCESSIBLE PATH THAT REPLICATES AS NEARLY AS PRACTICAL THE MOST DESIRABLE CHARACTERISTICS OF THE EXISTING SIDEWALK OR FOOTPATH

LOCATION MAP



LEGEND	
	= PORTABLE FLASHING BEACON (P.F.B.)
	= TYPE III BARRICADE W/SIGN (5'H x 4'W)
	= TYPE II BARRICADE W/SIGN (3'H x 2'W)
	= 28" (11cm) TRAFFIC CONES W/ 13" (5cm) REFLECTIVE SLEEVE FOR DAY/NIGHT USE OR DELINEATORS IF DAY USE ONLY
	= TRAFFIC CONE WITH CLIP ON SIGN
	= TYPE I W SIGN
	= EXISTING SIGN
	= SIGNALIZED INTERSECTION
	= FLASHING ARROWBOARD
	= HIGH LEVEL WARNING DEVICE (FLAGTREE)
	= FLAGGER
	= TOW AWAY NO STOPPING ANY TIME
	= EXISTING DRIVEWAY
	= WORK ZONE (ACTIVITY AREA) LIMITS
	= DIRECTION OF TRAFFIC

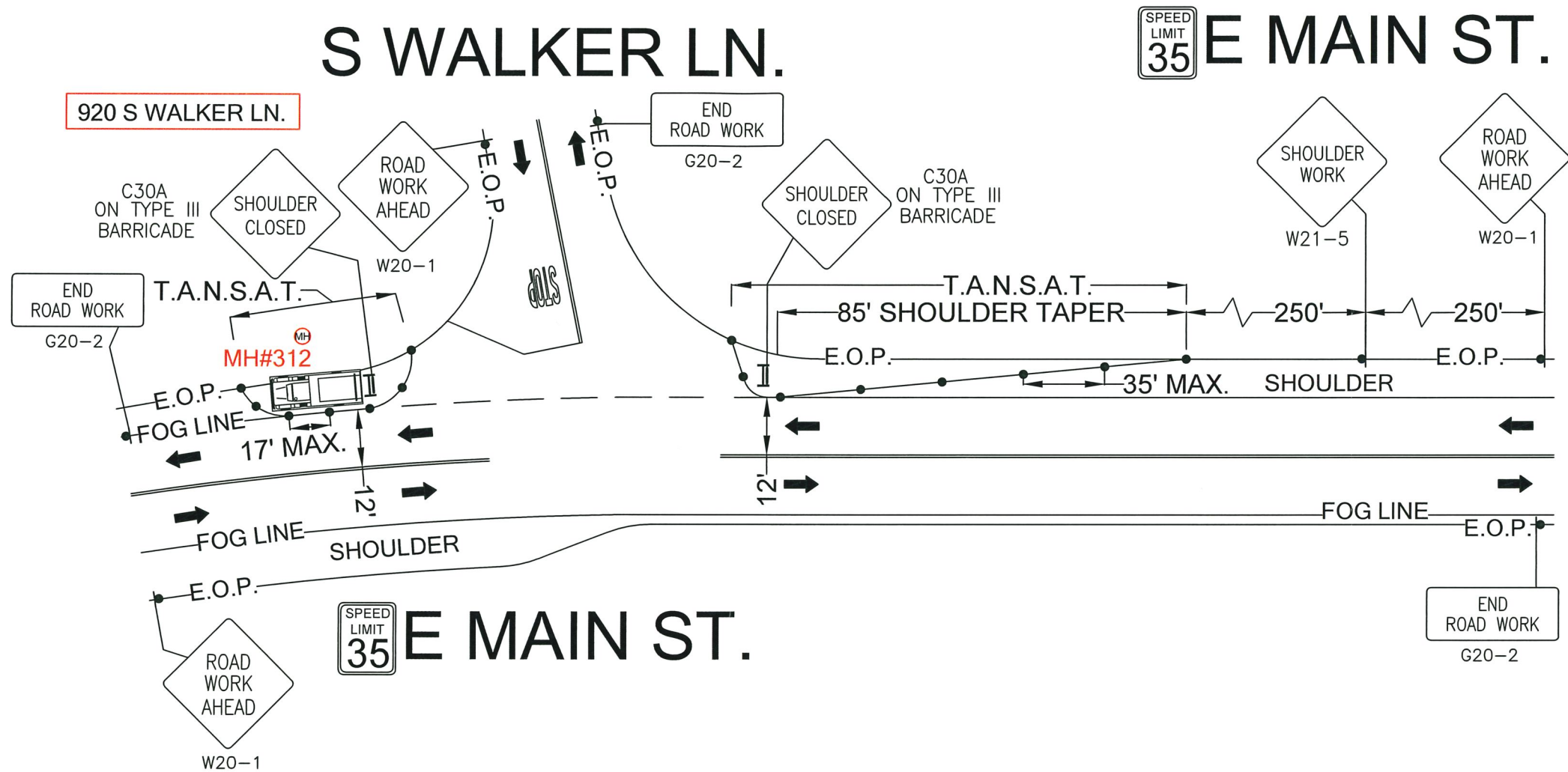


MAINTAIN DRIVEWAY ACCESS
AT ALL TIMES

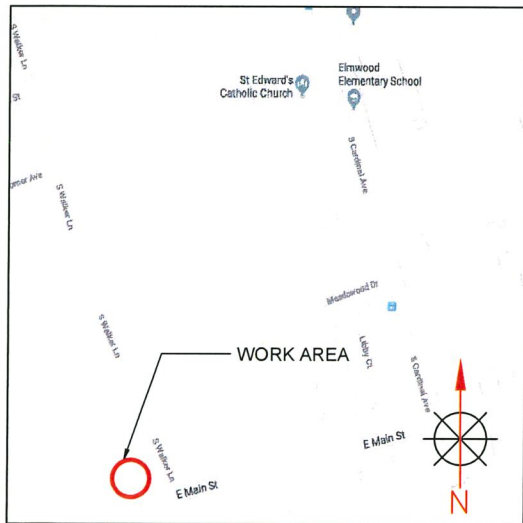
PHASE 2 OF 2	
TYPE OF CONSTRUCTION: AERIAL CROSSING	
JOB NUMBER: A01JDTN	
PAGE: TC-3	OF TC-4
SCALE: 1:40	

S WALKER LN. & E MAIN ST.
MH#312 ACCESS
WORK AREA 3 OF 3












	ISSUE	DATE
	1	03-05-19







LOCATION MAP



LEGEND

	= PORTABLE FLASHING BEACON (P.F.B.)
	= TYPE III BARRICADE W/SIGN (5H x 4'W)
	= TYPE II BARRICADE W/SIGN (3H x 2W)
	= 28" (11cm) TRAFFIC CONES W/ 13" (5cm) REFLECTIVE SLEEVE FOR DAY/NIGHT USE OR DELINEATORS IF DAY USE ONLY
	= TRAFFIC CONE WITH CLIP ON SIGN
	= TYPE I W SIGN
	= EXISTING SIGN
	= SIGNALIZED INTERSECTION
	= FLASHING ARROWBOARD
	= HIGH LEVEL WARNING DEVICE (FLAGTREE)
	= FLAGGER

TANSAT

	= TOW AWAY NO STOPPING ANY TIME
	= EXISTING DRIVEWAY
	= WORK ZONE (ACTIVITY AREA) LIMITS
	= DIRECTION OF TRAFFIC



MAINTAIN DRIVEWAY ACCESS
AT ALL TIMES

PHASE 1 OF 1	
TYPE OF CONSTRUCTION: MH#312 ACCESS	
JOB NUMBER: A01JDTN	
PAGE: TC-4	SCALE: 1:30