BORING LOCATIONS – VA UTILITY GEOTECHNICAL INVESTIGATION –ALLEGIANCE GROUP, LLC

STOCKTON VA UTILITY BORINGS

Boring ID	Jurisdiction	Depth (ft)	Road/Lane	Distance from EOP	Distance from Intersection
PBS-1	City of Stockton	40	French Camp Rd, eastbound	10 ft N of S EOP	880 ft E of FCR/WR intersect
PBS-2	City of Stockton	40	French Camp Rd, eastbound	10 ft N of S EOP	2800 ft E of FCR/WR intersect
PBS-3	San Joaquin County	40	Manthey Rd, southbound	14 ft E of W EOP	300 ft along align S of FCR/MR intersect
PBS-4	San Joaquin County	40	Manthey Rd, southbound	14 ft NE of SW EOP	1700 ft along align S of FCR/MR intersect
PBS-5	San Joaquin County	20	Yettner Rd, eastbound	14 ft N of S EOP	1540 ft W of YR/MR intersect
PBS-6	San Joaquin County	20	Yettner Rd, eastbound	16 ft N of S EOP	725 ft W of YR/MR intersect

Boring ID	Latitude	Longitude
PBS-1	37°53'49.73"N	121°18'36.85"W
PBS-2	37°53'49.47"N	121°17'36.85"W
PBS-3	37°53'46.14"N	121°17'22.18"W
PBS-4	37°53'32.94"N	121°17'98.83"W
PBS-5	37°53'38.98"N	121°17'41.09"W
PBS-6	37°53'38.95"N	121°17'31.27"W

FCR = French Camp Road
WR = Wolfe Road (E.S.W. Woods Blvd)
MR = Manthey Road
YR = Yettner Road

General Notes

Nothing allowed in the buffer and transition areas at any time.
Signs are showing to the public only when in use.
Signs and channelizing devices must be retro-reflective or illuminated during night operations
Signs are 1.5m X 1.5m (48"X48") in size unless noted otherwise.
Signs are spaced per the 2012 CA MUTCD
Channelizing device spacing and taper lengths are based upon their respective charts (see charts on this page)
Notify the local law enforcement, fire and ambulance 24 hours before work begins.
Traffic Control Contractor to make sure all traffic control equipment meets 2012 CA MUTCD requirements.
Remove all conflicting markings for long term operations five days or longer.
The locations of signs and equipment as shown on the illustration are guidelines only.

Allegiance Group LLC

French Camp Rd & Manthey Rd
French Camp, CA

Begin:

End:

CA MUTCD 2012 Edition Table 6C-1 and Table 6H-4

Posted Speed	Formula	Buffer Space	Minimum Taper Lengths									Maximum *Cone Spacing	Sign Spacing
			10' Offset			11' Offset			12' Offset				
			L Merge	1/2 L Shift	1/3 L Shoulder	L Merge	1/2 L Shift	1/3 L Shoulder	L Merge	1/2 L Shift	1/3 L Shoulder		
25		155'	104'	52'	36'	115'	57'	38'	126'	63'	42'	25'	100' - 200'
30		200'	150'	75'	50'	165'	82'	55'	180'	90'	60'	30'	120' - 240'
35	$L = \frac{WS^2}{60}$	250'	204'	102'	68'	225'	112'	75'	245'	123'	82'	35'	140' - 280'
40		305'	267'	133'	89'	293'	147'	98'	320'	160'	107'	40'	160' - 320'
45		360'	450'	225'	150'	495'	248'	165'	540'	270'	180'	45'	330' - 500'
50		425'	500'	250'	167'	550'	275'	183'	600'	300'	200'	50'	330' Max
55	L = WS	495'	550'	275'	183'	605'	303'	202'	660'	330'	220'	50'	500' Max
60		570'	600'	300'	200'	660'	330'	220'	720'	360'	240'	50'	578' Max
65		645'	650'	325'	217'	715'	358'	238'	780'	390'	260'	50'	600' Max
70		730'	700'	350'	233'	770'	385'	257'	840'	420'	280'	50'	660' Max

L = Taper Length S = Speed W = Width — offset from the path of travel

Low Speed is 40 MPH / High Speed is 45MPH and above

Based Upon 85th % Tile or if not available, then use Posted Speed Limit (PSL)

ROAD TYPE	DISTANCE BETWEEN SIGNS		
	A	B	C
URBAN (LOW SPEED) - 25 MPH OR LESS	100 FEET	100 FEET	100 FEET
URBAN (LOW SPEED) - MORE THAN 25 MPH TO 40 MPH	250 FEET	250 FEET	250 FEET
URBAN (HIGH SPEED) - 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

Capitol Barricade

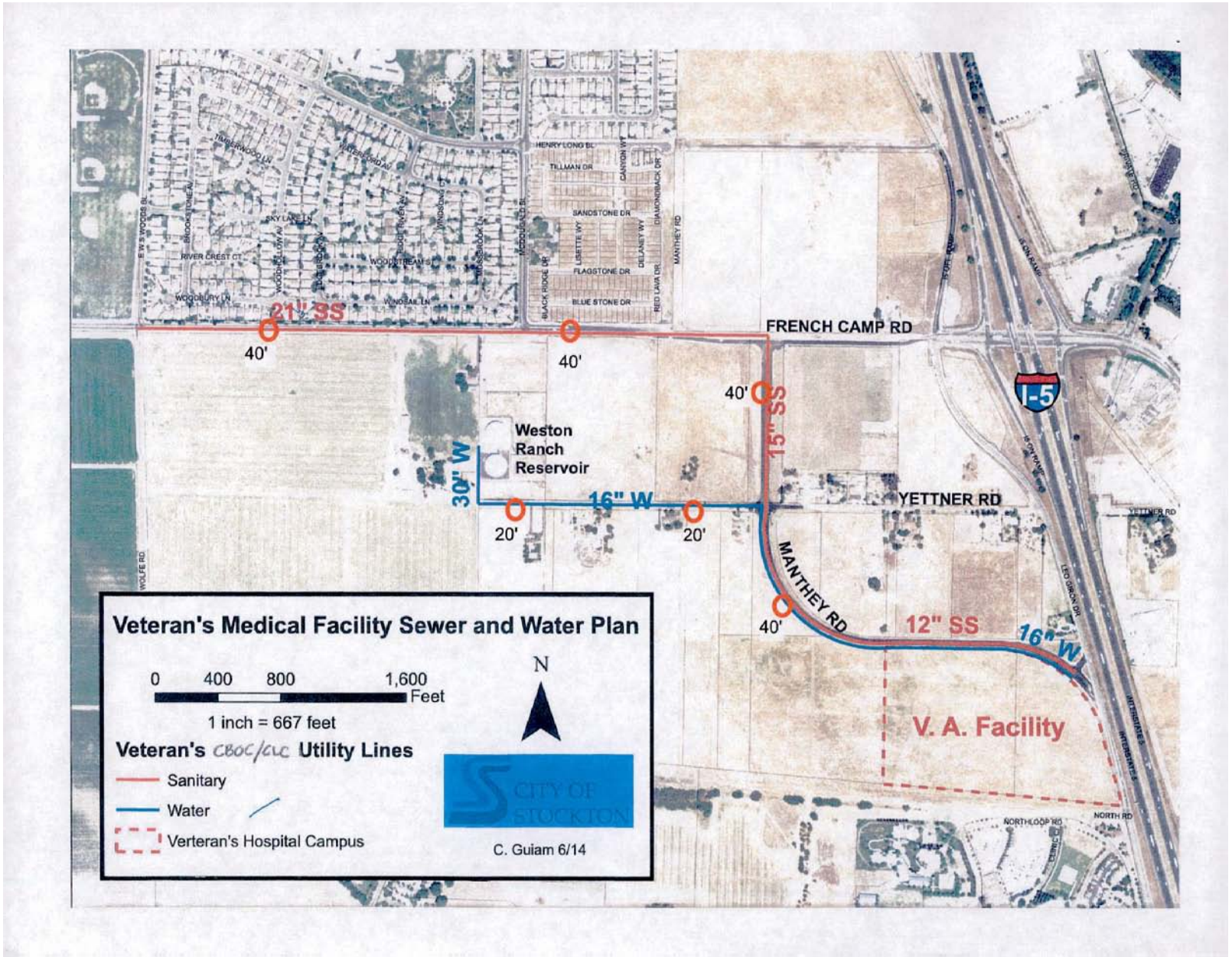
C-31 Contractor # 847170

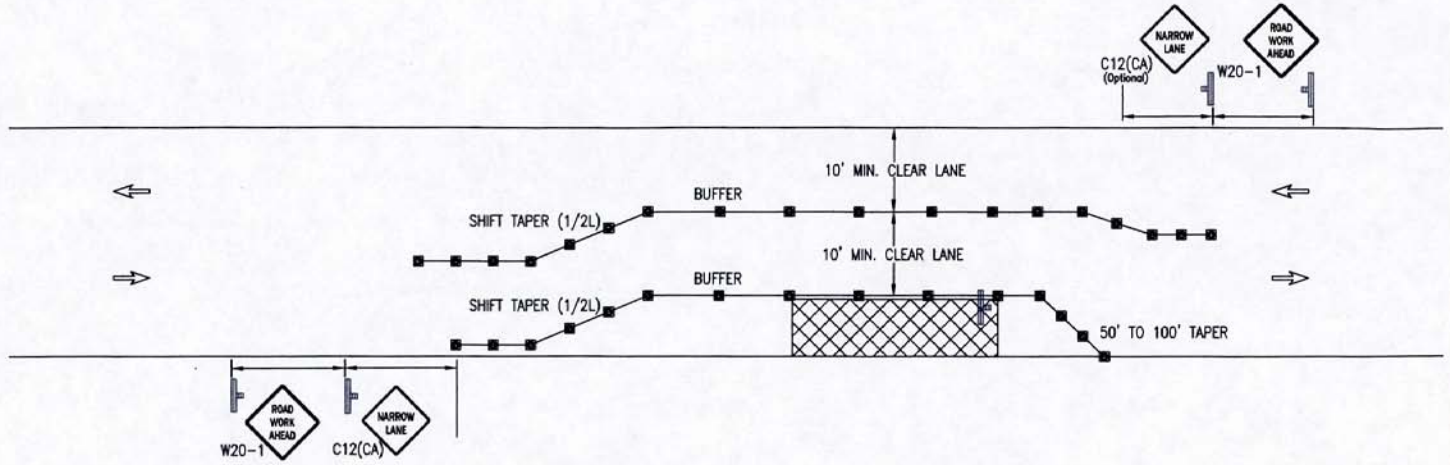
6001 Elvas Avenue
Sacramento, CA 95819

916-451-5176

1661 East Miner Avenue
Stockton, CA 95205

209-469-2663


FRENCH CAMP RD
21" SS
40'
40'
40'
15" SS
Weston
Ranch
Reservoir
30" W
16" W
20'
20'
YETTNER RD
MANTHEY RD
40'
12" SS
16" W
V. A. Facility
I-5
Veteran's Medical Facility Sewer and Water Plan
0 400 800 1,600 Feet
1 inch = 667 feet
Veteran's CBOC/CLC Utility Lines
Sanitary
Water
Verteran's Hospital Campus
N
CITY OF STOCKTON
C. Guiam 6/14



LEGEND

- CONE
- BARRICADE
- FLAGGER
- SIGN
- ARROW PANEL
- WORK AREA
- TRAFFIC DIRECTION
- CHANGEABLE MESSAGE SIGN

FIELD CHANGES BY:
NAME _____
PHONE _____

GENERAL NOTES

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-08 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Shore The Road signage required when outermost lane plus paved shoulder is less than 14'.
- Speed shall be lowered in 10 MPH increments using R2-5 and W13-1 signage as shown when Shore the Road signage is being implemented. Speed reductions for all other situations must be submitted for approval.
- This plan DOES NOT apply to signalized or multi-way stop intersections.

POSTED SPEED LIMIT	*TAPER LENGTH	*SPACING OF CONES	*SIGN SPACING	*BUFFER LENGTH

CAPITOL BARRICADE INC
C31
847170
A. Espinoza
R.M.E.
A CALIFORNIA CONTRACTOR

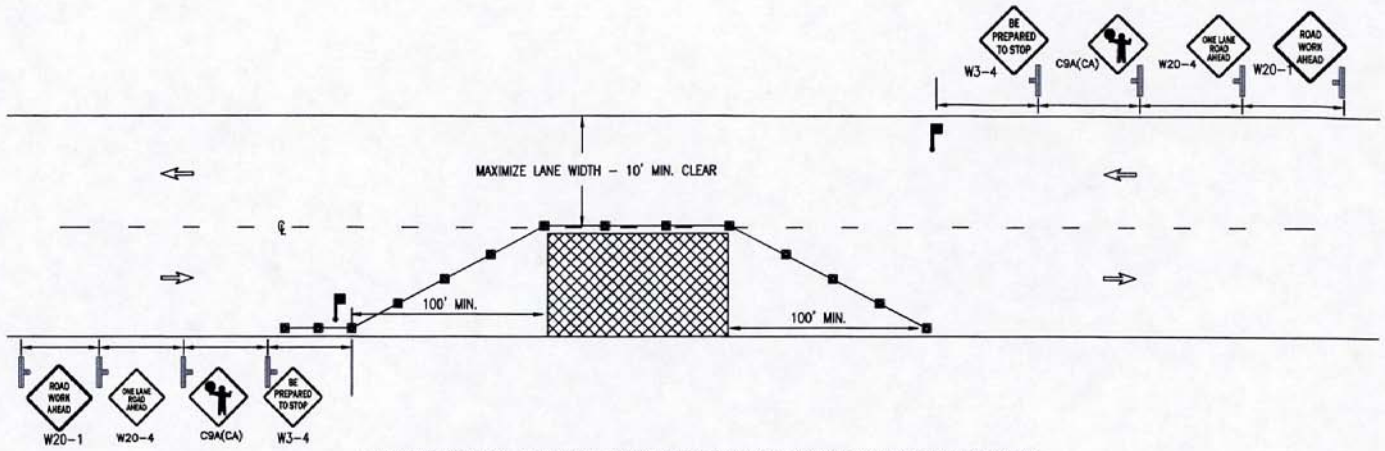
Capitol Barricade
SAFETY & SIGN

REVISIONS			
NO.	DESCRIPTION	BY	DATE

SIDE OF ROAD - WORK AREA

TWO LANE TRAFFIC CONTROL
WITHOUT CENTERLINE

T-12



EYE CONTACT MUST BE MAINTAINED BETWEEN FLAGGERS OR USE 2-WAY COMMUNICATION

LEGEND

- CONE
- BARRICADE
- FLAGGER
- SIGN
- ARROW PANEL
- WORK AREA
- TRAFFIC DIRECTION
- CHANGEABLE MESSAGE SIGN

FIELD CHANGES BY:
NAME _____
PHONE _____

GENERAL NOTES

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Share The Road signage required when outermost lane plus paved shoulder is less than 14'.
- Speed shall be lowered in 10 MPH increments using R2-5 and W13-1 signage as shown when Share the Road signage is being implemented. Speed reductions for all other situations must be submitted for approval.
- This plan DOES NOT apply to signalized or multi-way stop intersections.

POSTED SPEED LIMIT	*TAPER LENGTH	*SPACING OF CONES	*SIGN SPACING	*BUFFER LENGTH

CAPITOL BARRICADE INC. C31 # 847170 A. Espinoza R.M.E. A CALIFORNIA CONTRACTOR

Capitol Barricade SAFETY & SIGN

REVISIONS			
NO.	DESCRIPTION	BY	DATE

SIDE OF ROAD - WORK AREA

TWO LANE TRAFFIC CONTROL WITH FLAGGERS – ONE LANE

T-13