

CITY NAME: NOVATO

ISSUE	DATE
0	08/25/25

APPROVED

By grosell at 10:05:01 AM, 9/5/2025

SEE VICINITY MAP ON DWG #2 & DWG #3

- 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	30 m (100ft) Maximum
Downstream Taper	30 m (100ft) per lane

- TABLE 6C-4 2014 CALIFORNIA MUTCD-
- FORMULAS FOR DETERMINING TAPER LENGTH-

SPEED LIMIT(S)	TAPER LENGTH (L) FEET
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	L=WS

Where: L= taper length in feet

W= width of offset in feet

S= posted speed limit, or off-peak

85th-percentile speed prior to work starting, or
the anticipated operating speed in km/h (mph)

NOTES:

1. PROJECTS WITH AN EXISTING SPEED LIMIT GREATER THAN 55 MPH MAY TEMPORARILY REDUCE BY 10 MPH OR TO 55 MPH, WHICHEVER IS LOWER, WITH THE CONCURRENCE FROM THE CHIEF TRAFFIC OPERATIONS ENGINEER. ANY TEMPORARY REDUCTIONS TO A SPEED LOWER THAN 55 MPH MAY BE REDUCED WITH CONCURRENCE FROM THE CHIEF TRAFFIC OPERATIONS ENGINEER AND A RECOMMENDATION FORWARDED BY TRAFFIC OPERATIONS TO THE DIRECTOR FOR APPROVAL.
2. THE W1-3 SIGNS SHALL BE USED WHEN THE RECOMMENDED SPEED ON A CURVE IS 30 MPH OR LESS, THE W1-4 SIGNS SHALL BE USED WHEN THE RECOMMENDED SPEED IS 35 MPH OR GREATER.
3. THE W6-3 AND R4-1 SIGNS SHALL BE INSTALLED ALTERNATELY AT 0.5 MILE INTERVALS WHEN THE LENGTHS OF CROSSOVERS EXCEED 0.5 MILE.
4. ALL REGULATORY SIGNS (R SERIES) SHALL BE BLACK ON RETROREFLECTIVE WHITE.
5. ALL WARNING SIGNS (W SERIES) SHALL BE BLACK ON RETROREFLECTIVE ORANGE.
6. WARNING SIGNS SHALL BE A MINIMUM OF 3'X3' FOR TOP SPEEDS OF 45 MPH OR LESS, R2-1 SHALL BE 3'X4'.
7. WARNING SIGNS SHALL BE A MINIMUM OF 4'X4' FOR SPEEDS OF 50 MPH OR GREATER, R2-1 SHALL BE 4'X5'.
8. ALL DEVICE SPACING SHALL BE DESIGNED BASED ON WORK ZONE SPEED.

-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 40 MPH***	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY/FREEWAY	1000 FEET	1500 FEET	2640 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

MINIMUM RECOMMENDED CHANNELIZING DEVICE AND SIGN SPACING							
SPEED (S) MPH	DIMENSION A SIGN SPACING FT	DIMENSION B MERGING TAPER (L) FT	DIMENSION C SHIFTING TAPER (L/2) FT	DIMENSION D SHOULDER TAPER (L/3) FT	DIMENSION E BUFFER SPACE FT	MAXIMUM CHANNELIZER SPACING IN TAPER FT	MAXIMUM CHANNELIZER SPACING IN TANGENT FT
25	100	125	65	42	158	25	50
30	250	180	90	60	205	30	60
35	250	245	125	82	257	35	70
40	250	320	160	107	315	40	80
45	350	540	270	180	378	45	90
50	350	600	300	200	446	50	100
55	500	660	330	220	520	50	100
60	500	720	360	240	598	50	100
65	500	780	390	260	682	50	100
70	500	840	420	280	771	50	100

*TAPER LENGTHS LISTED ARE VALID FOR 12' OFFSET OR LESS.

LEGEND:
TYPE III BARRICADE W/SIGN (5'H x 4'W)
TYPE II BARRICADE W/O 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
PROPOSED SIGN AND POST
SIGNALIZED INTERSECTION
FLASHING ARROWBOARD
HIGH LEVEL WARNING DEVICE WITH SIGN (FLAGTREE)
FLAGGER
EXISTING DRIVEWAY
TANSAT TOW AWAY NO STOPPING ANY TIME
WORK ZONE LIMITS
DIRECTION OF TRAFFIC
ETW EDGE OF TRAVELED WAY / FOG LINE
FOC FACE OF CURB
EOP EDGE OF PAVEMENT

120 COUNTRY CLUB DR.
COUNTRY CLUB DR. & MARIN OAKS DR.
AERIAL CROSSING
WORK AREA 1 OF 4
PHASE 1 OF 3

ISSUE	DATE
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COUNTRY CLUB DR. 

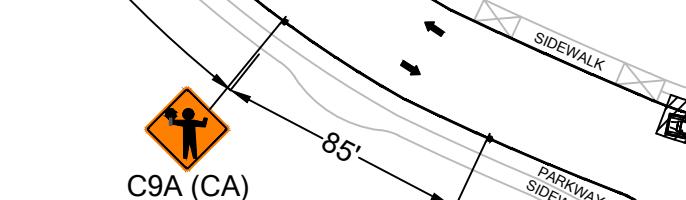
W20-1

BRASSIE CT.

G20-2

APPROVED

By grosell at 10:05:16 AM, 9/5/2025



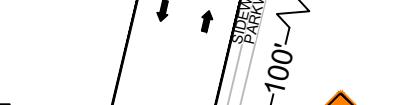
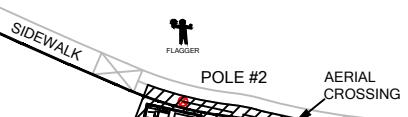
FLAGGER TO ASSIST PEDESTRIANS
THROUGH WORK AREA
(SEE PED NOTES)

NO SPEED LIMIT FOUND ON BIRDIE DR.,
BIRDIE DR. TRAFFIC CONTROL
PLAN IS SETUP AT 25 MPH.

BIRDIE DR.

W20-1

G20-2



FOR TEMPORARY TRAFFIC BREAK.
ESTIMATED TIME OF COMPLETION
IS 4 MINUTES.

FLAGGERS SHALL REMAIN IN
COMMUNICATION VIA RADIO AT
ALL TIMES.

ACCESS TO DRIVEWAYS MUST BE
MAINTAINED AT ALL TIMES.

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

NO SPEED LIMIT FOUND ON MARIN OAKS DR.,
MARIN OAKS DR. TRAFFIC CONTROL
PLAN IS SETUP AT 25 MPH.

MARIN
OAKS DR.

W20-1

G20-2

C9A (CA)

POLE #2

AERIAL
CROSSING

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

W20-1

G20-2

C9A (CA)

POLE #3

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

W20-1

G20-2

C9A (CA)

POLE #4

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

W20-1

G20-2

C9A (CA)

POLE #5

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

SIDEWALK

PARKWAY

IGNACIO
BLVD.

END ROAD WORK

W20-2

RAISED MEDIAN

SHOULDER BIKE LANE



LEGEND:

-  TYPE III BARRICADE W/SIGN (5'H x 4'W)
-  TYPE II BARRICADE W/O 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
-  PROPOSED SIGN AND POST
-  SIGNALIZED INTERSECTION
-  FLASHING ARROWBOARD
-  HIGH LEVEL WARNING DEVICE WITH SIGN (FLAGTREE)
-  FLAGGER
-  EXISTING DRIVEWAY
-  TANSAT
-  TOW AWAY NO STOPPING ANY TIME
-  WORK ZONE LIMITS
-  DIRECTION OF TRAFFIC
-  ETW
-  FOC
-  EOP
-  EDGE OF TRAVELED WAY / FOG LINE
-  FACE OF CURB
-  EDGE OF PAVEMENT

120 COUNTRY DR.
COUNTRY CLUB DR. & MBIRDIE DR.
AERIAL CROSSING
WORK AREA 1 OF 4
PHASE 2 OF 3

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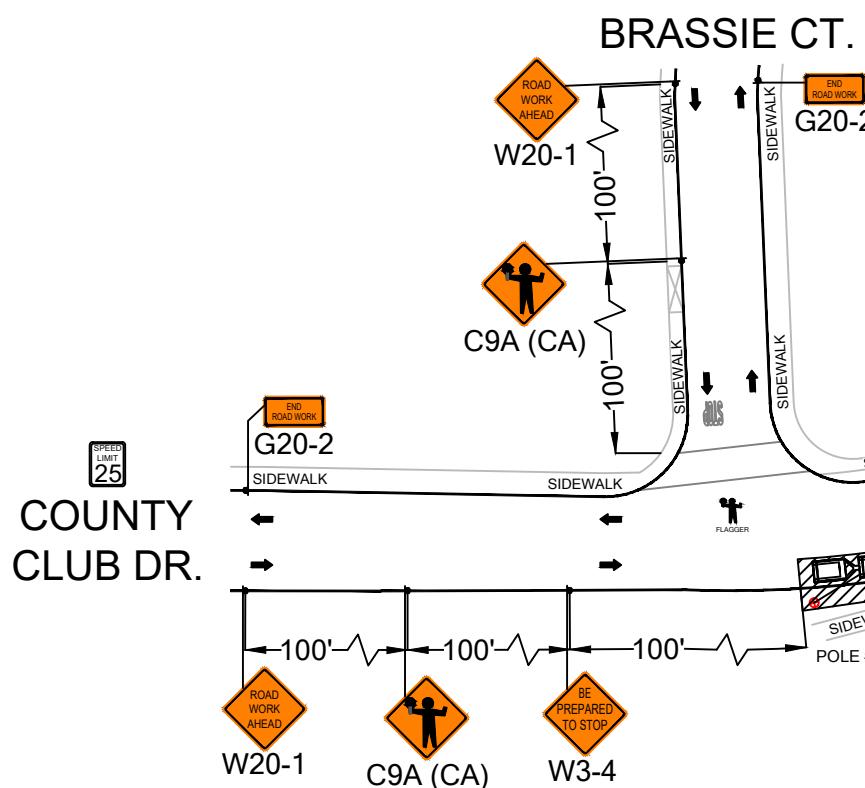
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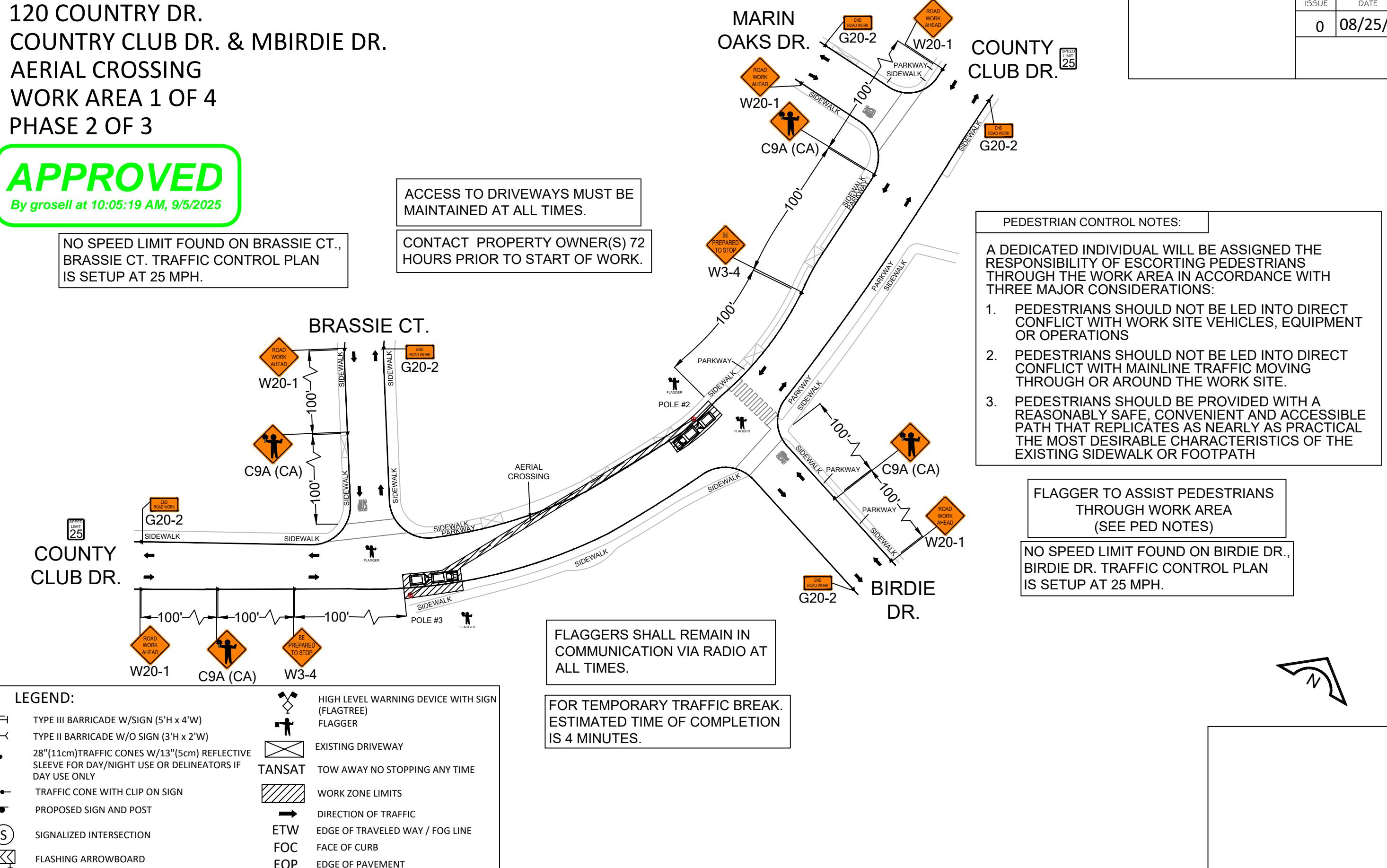
NO SPEED LIMIT FOUND ON BRASSIE CT.,
BRASSIE CT. TRAFFIC CONTROL PLAN
IS SETUP AT 25 MPH.

ACCESS TO DRIVEWAYS MUST BE
MAINTAINED AT ALL TIMES.

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



LEGEND:	
—	TYPE III BARRICADE W/SIGN (5'H x 4'W)
—	TYPE II BARRICADE W/O 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
—	PROPOSED SIGN AND POST
(S)	SIGNALIZED INTERSECTION
—	FLASHING ARROWBOARD
	HIGH LEVEL WARNING DEVICE WITH SIGN (FLAGTREE)
	FLAGGER
	EXISTING DRIVEWAY
	TANSAT
	TOW AWAY NO STOPPING ANY TIME
	WORK ZONE LIMITS
	DIRECTION OF TRAFFIC
	ETW EDGE OF TRAVELED WAY / FOG LINE
	FOC FACE OF CURB
	EOP EDGE OF PAVEMENT



5 BRASSIE CT.
COUNTRY CLUB DR. & BRASSIE CT.
AERIAL CROSSING
WORK AREA 1 OF 4
PHASE 3 OF 3

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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

CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK TO ALERT OWNER TO POSSIBLE DRIVEWAY CLOSURE AND ALTERNATE ACCESS

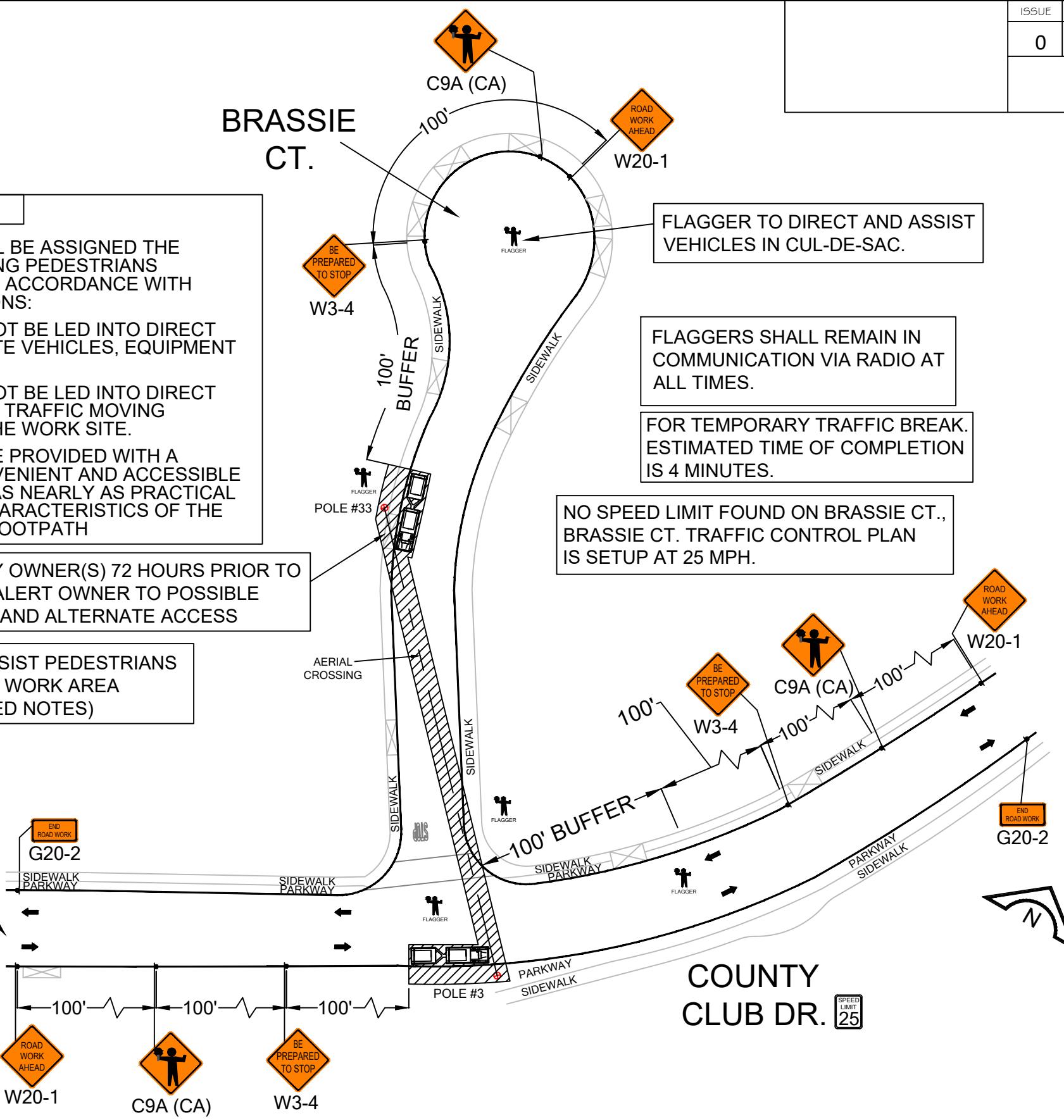
FLAGGER TO ASSIST PEDESTRIANS THROUGH WORK AREA (SEE PED NOTES)

ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

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

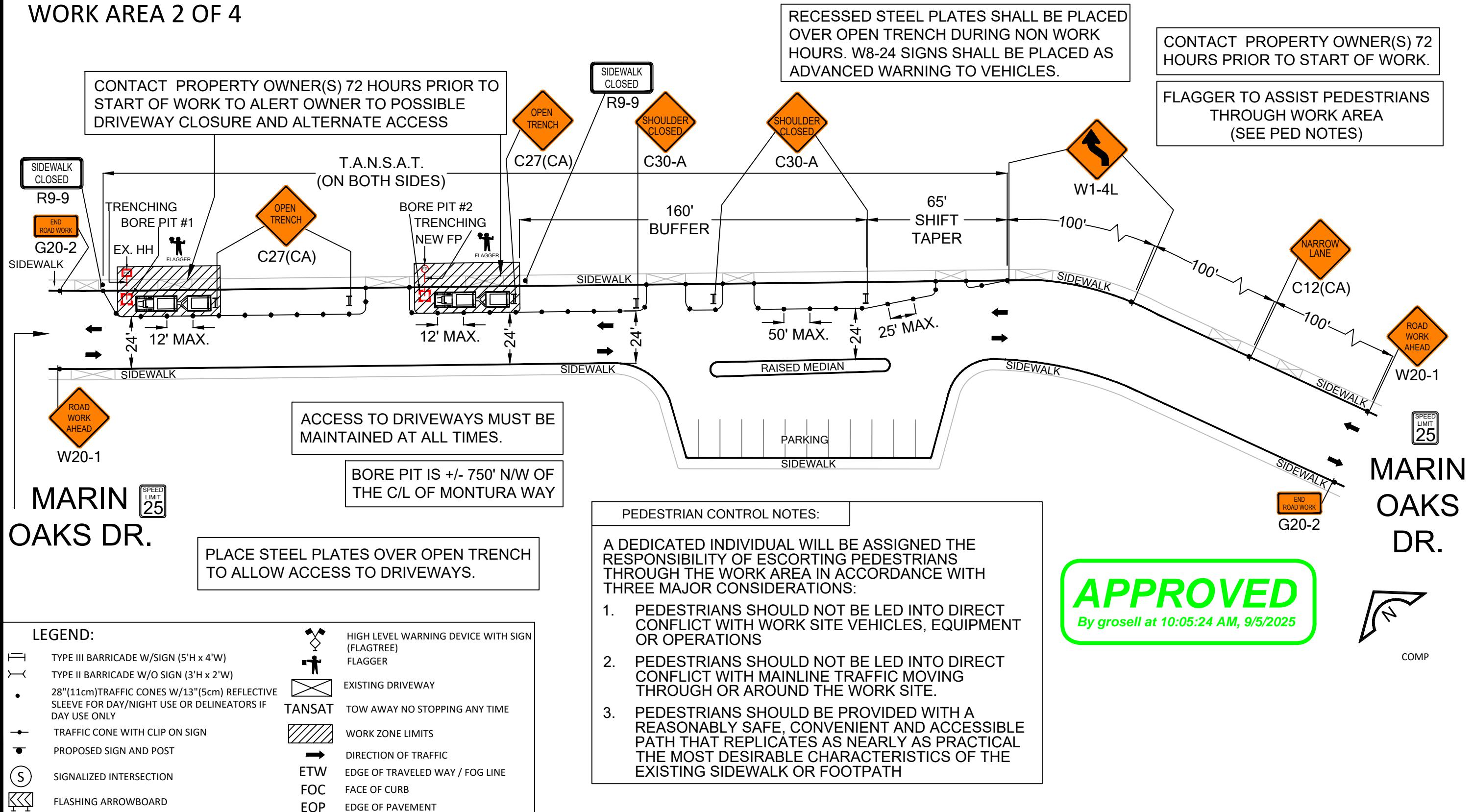
COUNTY CLUB DR.

LEGEND:	
	TYPE III BARRICADE W/SIGN (5'H x 4'W)
	TYPE II BARRICADE W/O 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
	EXISTING DRIVEWAY
	TOW AWAY NO STOPPING ANY TIME
	HIGH LEVEL WARNING DEVICE WITH SIGN (FLAGTREE) FLAGGER
	PROPOSED SIGN AND POST
	SIGNALIZED INTERSECTION
	FLASHING ARROWBOARD
	ETW EDGE OF TRAVELED WAY / FOG LINE
	FOC FACE OF CURB
	EOP EDGE OF PAVEMENT



**600 MARIN OAKS DR.
MARIN OAKS DR. & MONTURA WAY
BORING, TRENCHING, HH ACCESS & NEW FP PLACEMENT
WORK AREA 2 OF 4**

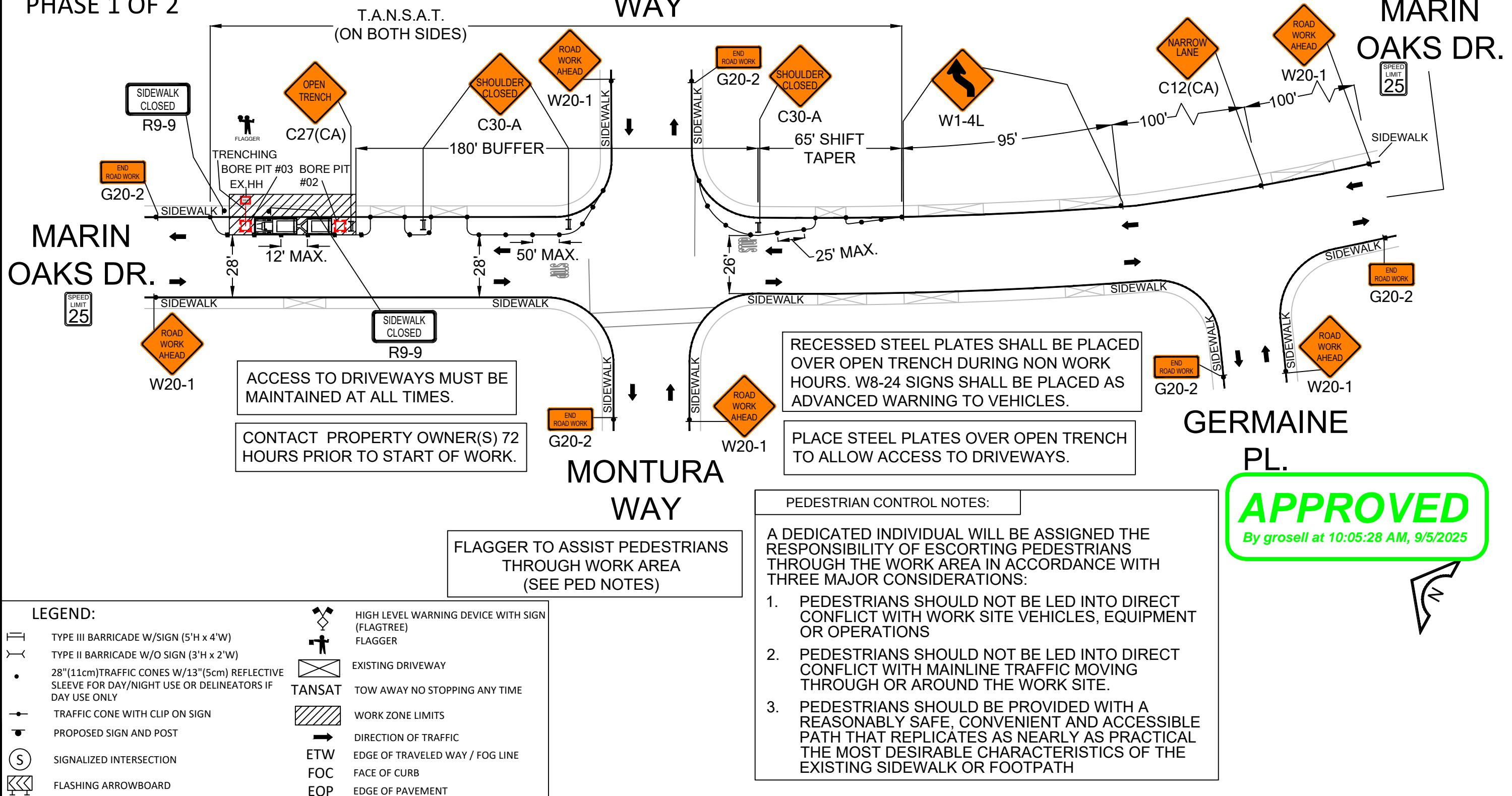
ISSUE	DATE
0	08/25/25



**510 MARIN OAKS DR.
MARIN OAKS DR. & MONTURA WAY
BORING,TRENCHING & HH ACCESS
WORK AREA 3 OF 4**

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MONTURA WAY



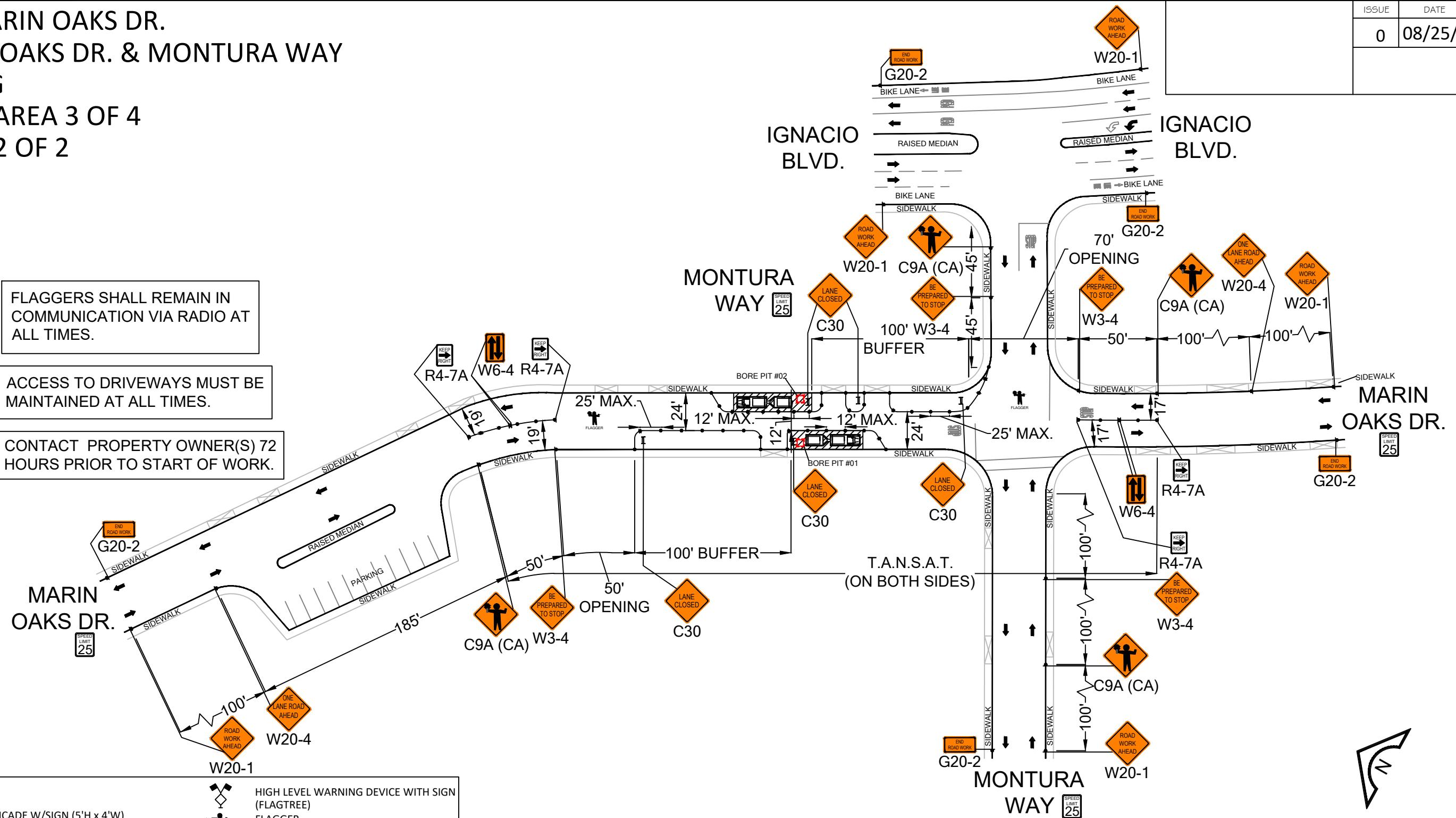
500 MARIN OAKS DR.
MARIN OAKS DR. & MONTURA WAY
BORING
WORK AREA 3 OF 4
PHASE 2 OF 2

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FLAGGERS SHALL REMAIN IN COMMUNICATION VIA RADIO AT ALL TIMES.

ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

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



LEGEND:	
	HIGH LEVEL WARNING DEVICE WITH SIGN (FLAGTREE)
	FLAGGER
	EXISTING DRIVEWAY
	TOW AWAY NO STOPPING ANY TIME
	WORK ZONE LIMITS
	DIRECTION OF TRAFFIC
	EDGE OF TRAVELED WAY / FOG LINE
	FACE OF CURB
	EDGE OF PAVEMENT

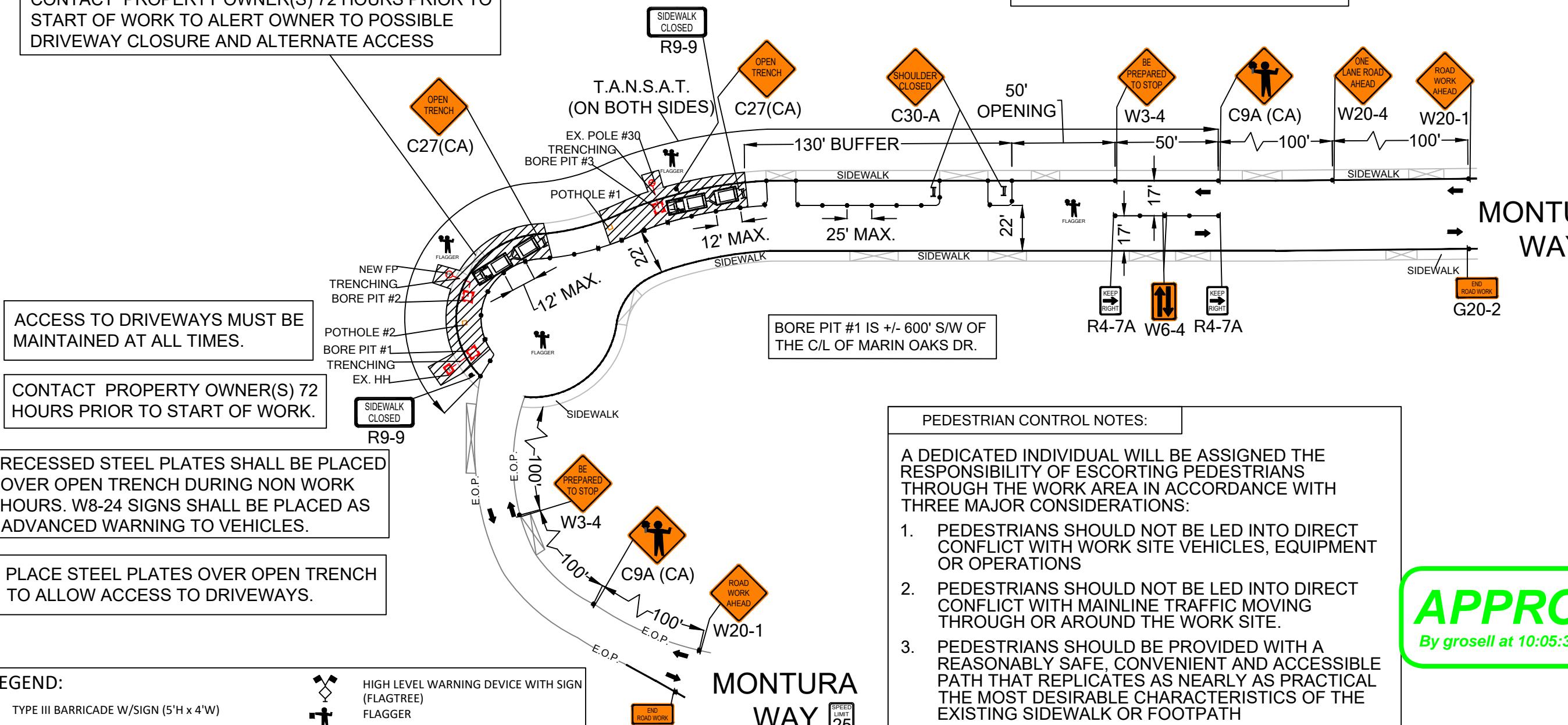
APPROVED
By grosell at 10:05:31 AM, 9/5/2025

224 MONTURA WAY
MARIN OAKS DR. & MONTURA WAY
BORING, TRENCHING, POTHOLING, NEW FP PLACEMENT, POLE & HH ACCESS
WORK AREA 4 OF 4

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CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK TO ALERT OWNER TO POSSIBLE DRIVEWAY CLOSURE AND ALTERNATE ACCESS

FLAGGERS SHALL REMAIN IN COMMUNICATION VIA RADIO AT ALL TIMES.



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LEGEND:	
TYPE III BARRICADE W/SIGN (5'H x 4'W)	HIGH LEVEL WARNING DEVICE WITH SIGN (FLAGTREE)
TYPE II BARRICADE W/O SIGN (3'H x 2'W)	FLAGGER
28"(11cm)TRAFFIC CONES W/13"(5cm) REFLECTIVE SLEEVE FOR DAY/NIGHT USE OR DELINEATORS IF DAY USE ONLY	EXISTING DRIVEWAY
TRAFFIC CONE WITH CLIP ON SIGN	TOW AWAY NO STOPPING ANY TIME
PROPOSED SIGN AND POST	WORK ZONE LIMITS
SIGNALIZED INTERSECTION	DIRECTION OF TRAFFIC
FLASHING ARROWBOARD	ETW EDGE OF TRAVELED WAY / FOG LINE
	FOC FACE OF CURB
	EOP EDGE OF PAVEMENT

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

