

CITY NAME: NOVATO



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:

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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)	DIMENSION A SIGN SPACING	DIMENSION B MERGING TAPER (L)	DIMENSION C SHIFTING TAPER (L/2)	DIMENSION D SHOULDER TAPER (L/3)	DIMENSION E BUFFER SPACE	MAXIMUM CHANNELIZER SPACING IN TAPER	MAXIMUM CHANNELIZER SPACING IN TANGENT
MPH	FT	FT	FT	FT	FT	FT	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.

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0	08/25/25

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

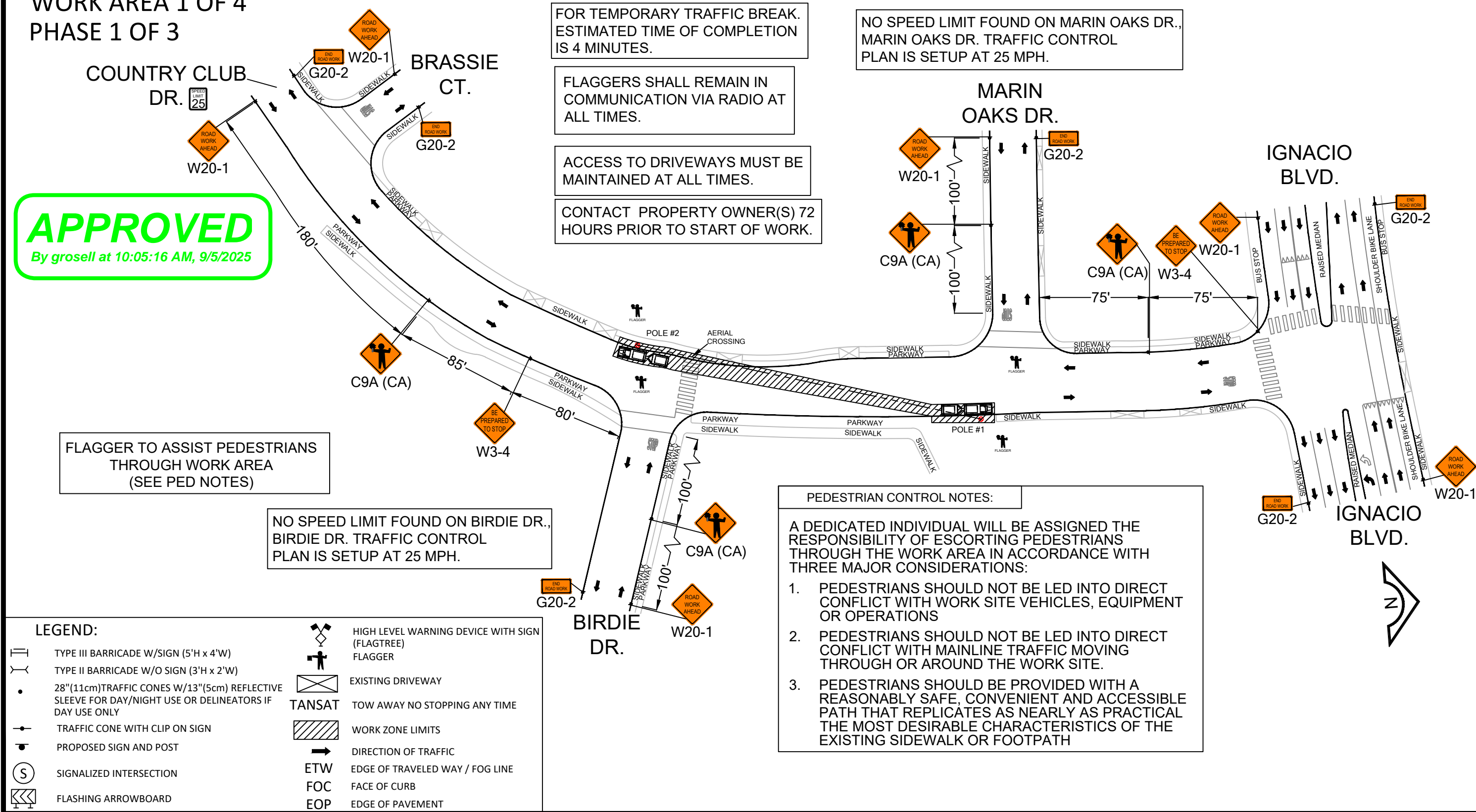
FOC FACE OF CURB

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



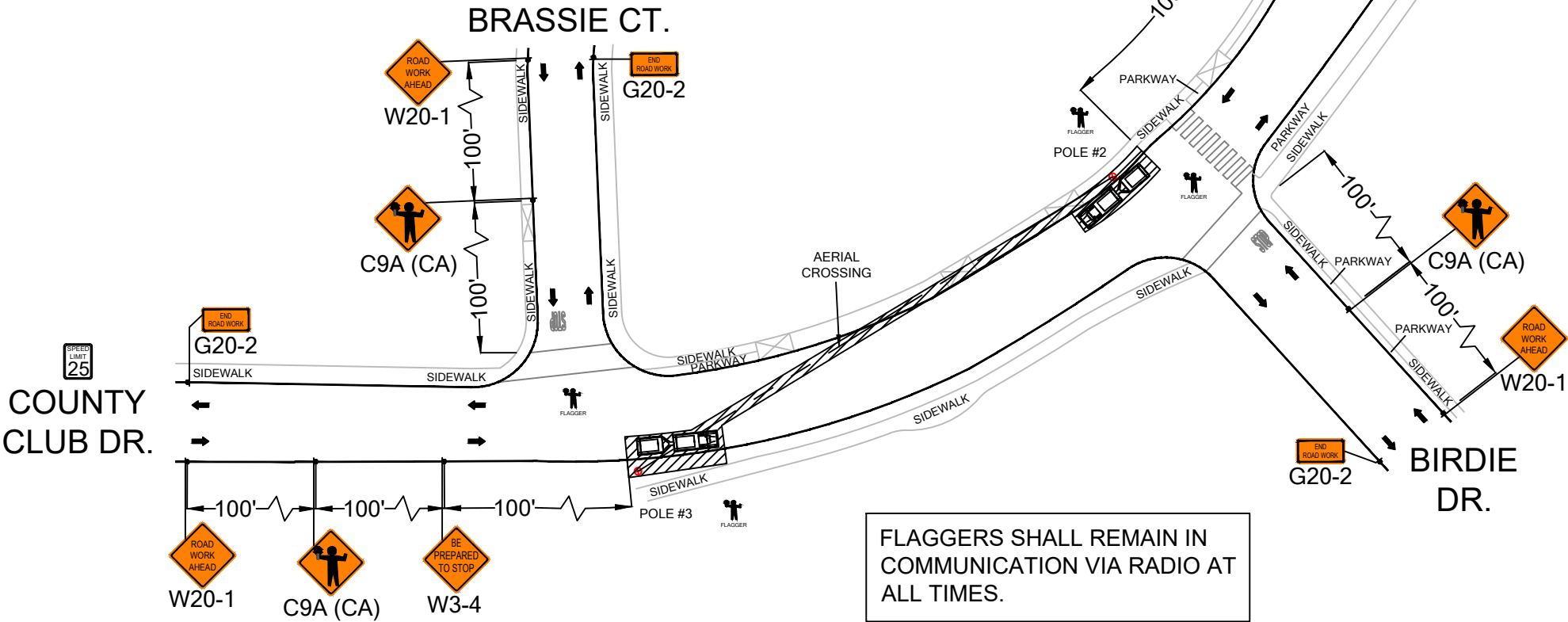
120 COUNTRY DR.
COUNTRY CLUB DR. & MBIRDIE DR.
AERIAL CROSSING
WORK AREA 1 OF 4
PHASE 2 OF 3

APPROVED
By grosell at 10:05:19 AM, 9/5/2025

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.



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

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.

FLAGGERS SHALL REMAIN IN
COMMUNICATION VIA RADIO AT
ALL TIMES.

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

LEGEND:

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|--|------------------------------------------------------------------------------------------------------|--|------------------------------------------------|
| | 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 | | TANSAT 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 |



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

APPROVED

By grosell at 10:05:20 AM, 9/5/2025

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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.

BRASSIE CT.

COUNTY CLUB DR.

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TYPE III BARRICADE W/SIGN (5'H x 4'W)

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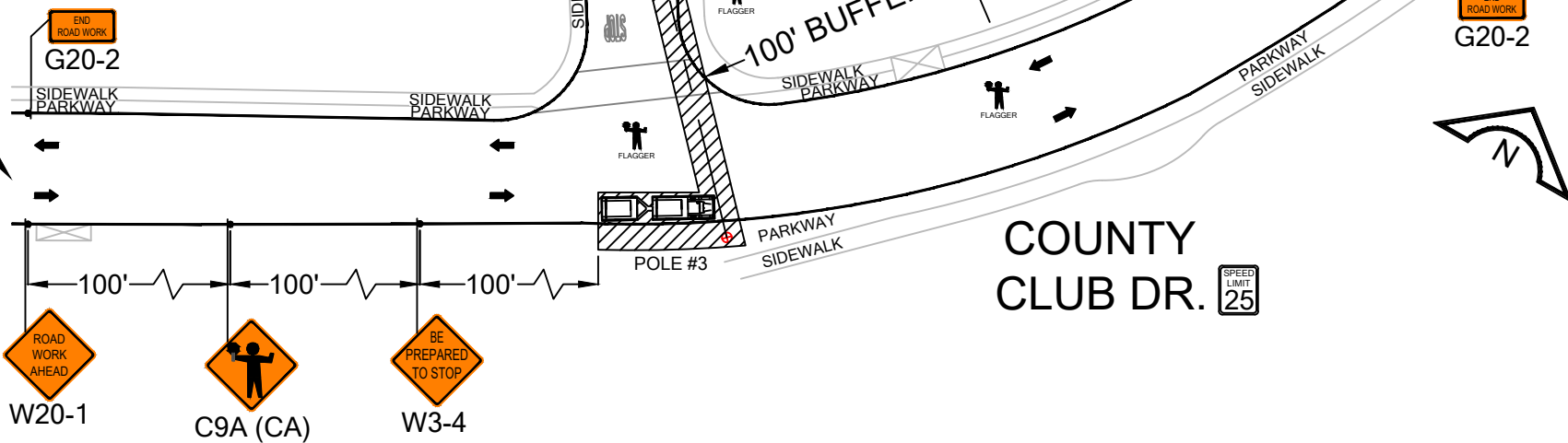
WORK ZONE LIMITS

DIRECTION OF TRAFFIC

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

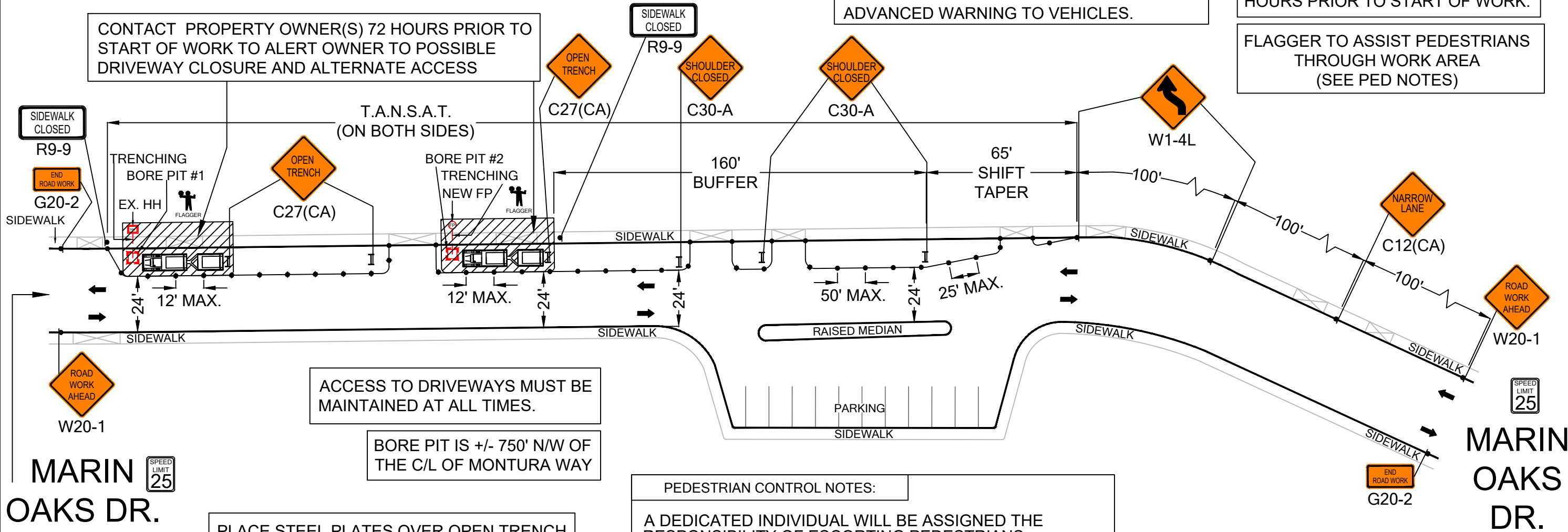
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RECESSED STEEL PLATES SHALL BE PLACED OVER OPEN TRENCH DURING NON WORK HOURS. W8-24 SIGNS SHALL BE PLACED AS ADVANCED WARNING TO VEHICLES.

CONTACT PROPERTY OWNER(S) 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 TO ALERT OWNER TO POSSIBLE DRIVEWAY CLOSURE AND ALTERNATE ACCESS



ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

BORE PIT IS +/- 750' N/W OF THE C/L OF MONTURA WAY

PLACE STEEL PLATES OVER OPEN TRENCH TO ALLOW ACCESS TO DRIVEWAYS.

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APPROVED
By grosell at 10:05:24 AM, 9/5/2025



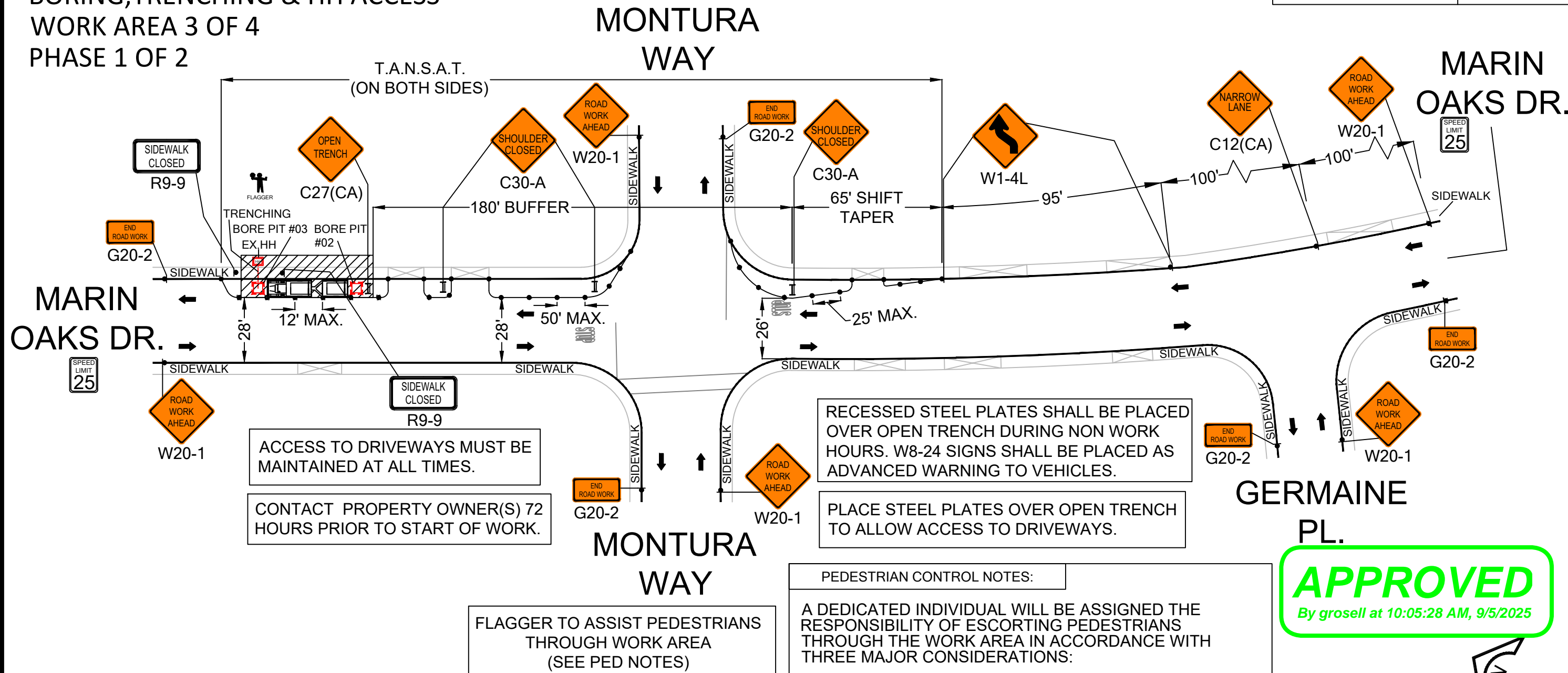
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| | FLASHING ARROWBOARD | | EDGE OF TRAVELED WAY / FOG LINE |
| | | | FACE OF CURB |
| | | | EDGE OF PAVEMENT |

510 MARIN OAKS DR.
MARIN OAKS DR. & MONTURA WAY
BORING,TRENCHING & HH ACCESS
WORK AREA 3 OF 4
PHASE 1 OF 2

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

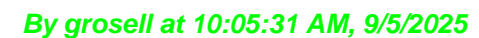
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500 MARIN OAKS DR.
MARIN OAKS DR. & MONTURA WAY
BORING
WORK AREA 3 OF 4
PHASE 2 OF 2

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

ISSUE	DATE
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ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

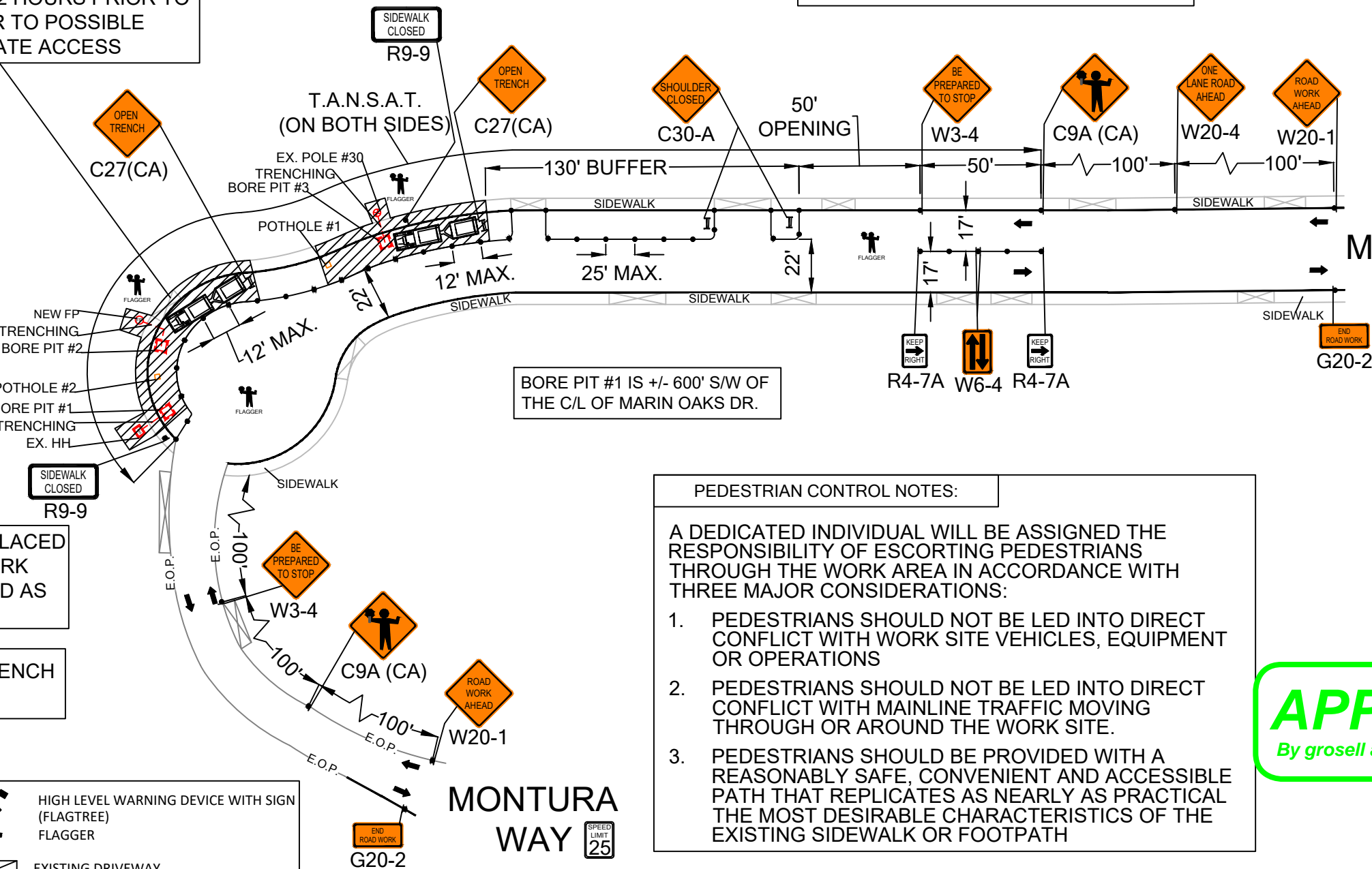
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APPROVED
By grosell at 10:05:36 AM, 9/5/2025

