# CITY OF LEMOORE

# 2021 ANNUAL ROAD MAINTENANCE PROJECT

# **GENERAL CONSTRUCTION NOTES**

- EXISTING UTILITIES AND EXISTING IMPROVEMENTS MAY BE SHOWN AT APPROXIMATED LOCATIONS DUE TO THE AVAILABLE RECORD INFORMATION AT THE TIME OF PLAN PREPARATION. OTHER UTILITY LINES MAY EXIST. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BY POTHOLING
- 2. THE CONTRACTOR SHALL NOTIFY ALL CORRESPONDING UTILITY COMPANIES AND CALL "811" AT LEAST 48 HOURS BEFORE THE COMMENCEMENT OF ANY WORK WHICH MAY REQUIRE UTILITY VERIFICATION
- WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATIONS IS MADE AS THE ACCURACY OR CONSTITUTE A REPRESENTATION AS THE ACCURACY OR COMPLETENESS OF LOCATION OR THE EXISTENCE OR
- AND OMISSIONS PRIOR TO THE COMMENCEMENT OF WORK IF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE FIELD ARE IDENTIFIED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK NOT IN CONFORMANCE WITH THE PLANS OR IN CONFLICT WITH ANY CODE.
- 5. AN APPROVED SET OF PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES
- 6. THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO
- 7. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE PROVISIONS IN THE CALTRANS STANDARD
- APPLIANCES, TRANSPORTATION, SERVICES AND LABOR NECESSARY FOR THE CONSTRUCTION, ERECTION AND
- 9 FOR THE DURATION OF THE WORK THE CONTRACTOR SHALL PROVIDE INSTALL AND MAINTAIN AS MAY BE TAKE ALL OTHER PRECAUTIONS AS MAY BE REQUIRED TO SAFEGUARD PERSONS. THE JOB SITE AND ADJOINING
- 10. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL GIVE THEIR PERSONAL ATTENTION TO THE WORK, BE RESPONSIBLE FOR THE LAYOUT AND CORRECTNESS OF THEIR WORK AND COOPERATE WITH EACH OF THE
- 11. THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 12. TO THE FULLEST EXTENT PERMITTED BY LAWS AND REGULATIONS, CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS OWNER AND ENGINEER, AND THE OFFICERS, DIRECTORS, MEMBERS, PARTNERS, EMPLOYEES, AGENTS. CONSULTANTS AND SUBCONTRACTORS OF EACH AND ANY OF THEM FROM AND AGAINST ALL CLAIMS. COSTS, LOSSES, AND DAMAGES (INCLUDING BUT NOT LIMITED TO ALL FEES AND CHARGES OF ENGINEERS, ARCHITECTS, ATTORNEYS, AND OTHER PROFESSIONALS AND ALL COURT OR ARBITRATION OR OTHER DISPUTE RESOLUTION COSTS) ARISING OUT OF OR RELATING TO THE PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, COST, LOSS, OR DAMAGE IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE, OR DEATH, OR TO INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY (OTHER THAN THE WORK ITSELF), INCLUDING THE LOSS OF USE RESULTING THEREFROM BUT ONLY TO THE EXTENT CAUSED BY ANY NEGLIGENT ACT OR OMISSION OF CONTRACTOR, ANY SUBCONTRACTOR, ANY SUPPLIER, OR ANY INDIVIDUAL OR ENTITY DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM TO PERFORM ANY OF THE WORK OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE.
- 13. SHOULD A CONSTRUCTION SURVEY OR CONSTRUCTION STAKING BE NECESSARY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THIS SERVICE.
- 14. DO NOT SCALE DRAWINGS. IF UNABLE TO LOCATE DIMENSIONS FOR ANY ITEM OF WORK, CONTACT THE ENGINEER FOR DIRECTION BEFORE PROCEEDING.
- 15. ALL DAMAGE TO AREAS AND/OR PROPERTY NOT SPECIFICALLY PART OF THE PROJECT SITE CAUSED DURING CONSTRUCTION ACTIVITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RETURN TO PRE-CONSTRUCTION CONDITIONS.
- 16. CHANGES TO THE APPROVED DRAWINGS SHALL BE MADE BY ADDENDUM OR A CHANGE ORDER SIGNED BY THE ENGINEER AND APPROVED BY THE PUBLIC WORKS/ENGINEERING OFFICIALS.
- 17. DUST AND DEBRIS CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT - DISTRICT REGULATION VIII - FUGITIVE DUST RULES.
- 18. IN ORDER TO REDUCE NOISE IMPACTS FROM THE CONSTRUCTION PROJECT, ALL CONSTRUCTION ACTIVITIES SHALL ONLY OCCUR BETWEEN THE HOURS OF 7:00 AM AND 4:30 PM.
- 19. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY REPAIR/POTHOLE & CRACK SEALING WORK WHERE NECESSARY PRIOR TO START OF WORK.
- 20. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO BE APPROVED BY THE ENGINEER BEFORE
- 21. CONTRACTOR SHALL SUBMIT A MONUMENTATION PERPETUATION PLAN TO BE APPROVED BY THE ENGINEER
- 22. CONTRACTOR TO PROVIDE TEMPORARY REFLECTIVE MARKERS AND TO PROTECT IN PLACE AFTER INSTALLATION. ANY MARKER WHICH IS DAMAGED AND IS NO LONGER REFLECTIVE, SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE. CONTRACTOR SHALL HAVE THE OPTION OF PLACING TEMPORARY MARKER IMMEDIATELY AFTER ROADWAY TREATMENT TO AVOID REFLECTIVE MARKER DAMAGE.
- 23. CONTRACTORS SHALL REPAINT ALL EXISTING CROSSWALKS DISTURBED BY MICRO-SURFACING TREATMENT.







# **MONUMENTATION PERPETUATION REQUIREMENTS**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. ANY MONUMENT OR BENCHMARK FOUND TO BE DISTURBED OR DESTROYED WILL BE THE REASONABILITY OF THE CONSTRCOTOR AND PAID BY THE CONTRACTOR TO REPLACE SUCH MONUMENT OR BENCHMARK. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR CIVIL ENGINEER AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT (BUSINESS AND PROFESSIONS CODE SECTION 8771).

# **ARCGIS DATA**

THE FOLLOWING QR CODE PROVIDES FOUND ROADWAY VALVE COVERS AND MOUNUMENTS TO BE PERPETUATED. DATA MAY BE SHOWN AT APPROXIMATED LOCATIONS DUE TO GPS ACCURACY. OTHER VALVE COVERS AND MONUMENTS MAY EXIST. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL EXISTING VALVES AND MONUMENTS BY WALKING THE PROJECT SITE.



# **INDEX OF PLANS**

- 1 COVER SHEET
- 2 BASE BID IMPROVEMENT LOCATIONS
- 3 G STREET SIGNING, STRIPING & MARKING PLAN
- 4 G STREET SIGNING, STRIPING & MARKING PLAN
- 5 SPRUCE AVENUE SIGNING, STRIPING & MARKING PLAN

## **CITY & ENGINEER CONTACTS**

PUBLIC WORKS DIRECTOR CIVIL ENGINEER

FRANK RIVERA ORFIL MUNIZ, PE, QSD, QSIP, sUAS CITY OF LEMOORE A&M CONSULTING ENGINEERS 711 W CINNAMON DRIVE 220 N LOCUST STREET LEMOORE, CA 93245 VISALIA, CA 93291 (559) 924-6744 EXT. 731 (559) 429-4747

## PROJECT UTILITY CONTACTS

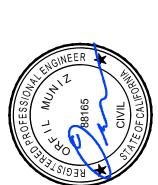
CITY OF LEMOORE WATER AND WASTEWATER MATT HOUSE, LAND AGENT FRANK RIVERA 705 P STREET 711 W CINNAMON DRIVE LEMOORE, CA 93245 FRESNO, CA 93760 (559)263-5559 (559) 924-6730

MASHP@PGE.COM SOUTHERN CALIFORNIA GAS CO VAST NETWORKS (CVIN LLC) RYAN STUEHLER MARSHALL CROTTY 7447 N PALM BLUFFS AVE #105 404 N TIPTON STREET VISALIA, CA 93292 FRESNO, CA 93711 (559) 739-2356 (559) 554-9114 MCROTTY@SEMPRAUTILITIES.COM RSTUEHLER@CVIN.COM

COMCAST AT&T MIKE WILSON MARTINA GOMEZ 217 W ACEQUIA AVE 3RD FLOOR 1031 N PLAZA DRIVE VISALIA, CA 93291 VISALIA, CA 93291 (925) 424-0278 (559) 739-6423 MARTINA\_GOMEZ@CABLE.COMCAST.COM MW7046@ATT.COM

# SIGNING, STRIPING & MARKING NOTES

- 1. ALL WORK AND MATERIALS SHALL CONFORM TO CALTRANS STANDARD PLANS (2018 REVISED STANDARD PLAN RSP) AND THE CA 2014 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS MUTCD (REVISION 5).
- 2. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THIS SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.
- 3. SIGNS NOT MOUNTED ON EXISTING POST(S) SHALL BE MOUNTED USING TELESPAR 20F12-2, 12 GAUGE POST(S) WITH QUICK PUNCH HOLES, TELESPAR 25K-12-S-2.4 ANCHORS AND TELESPAR TL-220 DRIVE NUTS OR EQUIVALENT.
- 4. NEW BIKE LANE STRIPING SHALL BE 5 FEET WIDE.
- 5. THE GAP BETWEEN THE LINES ON THE CROSSWALK SHALL NOT BE LESS THAN 6 FEET. THE GAP BETWEEN THE LINES OF THE YELLOW SCHOOL CROSSWALK SHALL BE 10 FEET WITH HIGH VISIBILITY 24" LADDER PATTER AS SHOWN ON THE
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- 7. ALL STRIPING MUST BE CAT TRACKED AND APPROVED BY THE ENGINEER BEFORE COMMENCING WORK, ANY STRIPING WHICH IS NOT APPROVED BY THE ENGINEER AND IS DETERMINED TO BE IN CONFLICT WITH ANY OTHER STRIPING OR OBJECTS WILL BE REMOVED AT THE CONTRACTORS EXPENSE.
- 8. CONTRACTOR SHALL PROVIDE BLUE REFLECTIVE PAVEMENT MARKER NEXT TO EVERY FIRE HYDRANT. FIRE HYDRANT LOCATIONS
- 9. CONTRACTORS SHALL REPAINT ALL EXISTING CROSSWALKS DISTURBED BY MICRO-SURFACING TREATMENT.
- 10. CONTRACTOR TO PAINT 1' WIDE WHITE STRIPES ON ALL ROADWAY UNDULATION WITH 3' SPACING.
- 11. ALL STREETS WITHOUT SIGNING, STRIPING, & PAVEMENT MARKINGS PLANS SHALL BE REPAINTED AS EXISTING.



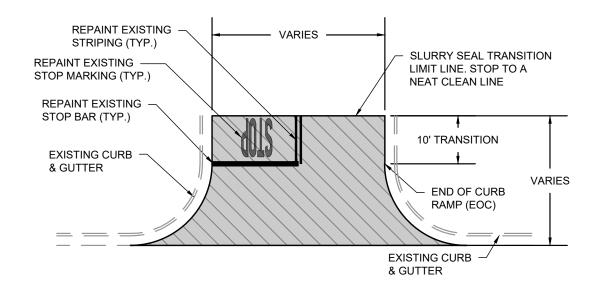






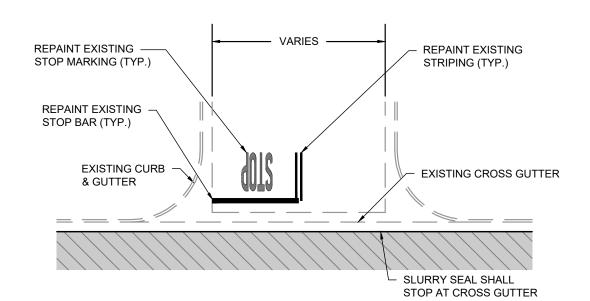
SHEET NO.

- 1. MIRCO SURFACING PAVEMENT TREATMENT TO EXTEND 10' BEYOND THE END OF RAMP AS SHOWN BELOW.
- 2. ALL EXISTING PAVEMENT STRIPING & MARKINGS (CROSSWALKS, STOP BARS, STOP MARKING LEGENDS, CENTERLINE, ECT.) SHALL BE REPAINTED WHEN DISTURBED BY SLURRY TREATMENT UNLESS SPECIFIED OTHERWISE ON PLANS.



**TRANSITION DETAIL - PLAN VIEW** SCALE: N.T.S.

- 1. MIRCO SURFACING PAVEMENT TREATMENT TO STOP AT CROSS GUTTER AS SHOWN
- 2. ALL EXISTING PAVEMENT STRIPING & MARKINGS (CROSSWALKS, STOP BARS, STOP MARKING LEGENDS, CENTERLINE, ECT.) SHALL BE REPAINTED WHEN ADJACENT TO CROSS GUTTER UNLESS SPECIFIED OTHERWISE ON PLANS.



**CROSS GUTTER TRANSITION DETAIL - PLAN VIEW** 

# **LEGEND**

LIMITS OF TYPE II (0.15 TO 0.20%) FIBERIZED MICRO-SURFACE PAVEMENT TREATMENT WITH BLACK ROCK

SEE TYPICAL MICRO SURFACING TRANSITION DETAIL (THIS SHEET)

\* SEE TYPICAL MICRO SURFACING LIMIT AT CROSS GUTTER DETAIL (THIS SHEET)

ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
	•	BASE BID		1
W. SPRUCE AVE	1454	35	50,890	5,654
W HAZELWOOD DR	1114	35	38,990	4,332
W HAZELWOOD PL	331	35	11,585	1,287
W SPRING PL	135	40	5,400	600
ELDERWOOD LN	1050	38	38,750	4,305
BELINDA DR	2430	36	87,480	9,720
OAKWOOD CT	276	53	14,628	1,625
CINNAMON DR	1200	VARIES	44,649	4,961
MYRTLE CT	167	41	6,847	761
ASHLAND DR	493	34	16,762	1,862
	120	42	5,040	560
SHADY ST	350	35	12,250	1,361
W PEBBLE DR	442	35	15,470	1,719
AZALEA LN	615	36	22,140	2,460
BANYAN DR	300	36	10,800	1,200
AVOCADO DR	565	36	20,340	2,260
DAPHNE LN	570	56	31,920	3,457
CAMELLIA LN	205	35	7,175	797
AVOCADO CT	175	VARIES	8,050	895
DUBLIN DR	796	36	28,656	3,184
CARLA DR	452	36	16,272	1,808
	85	45	3,825	425
VENICE AVE	254	35	8,890	988
	80	46	3,680	409
OLYMPIC PL	125	43	7,485	832
BALBOA PL	100	49	4,900	544
MURPHY DR	846	36	23,184	2,576
	296	45	13,320	1,480
PEARL DR	482	36	17,352	1,928
MERCEDES LN	371	VARIES	14,700	1,633
AVALON DR	967	36	34,812	3,868
BRENTWOOD DR	1532	VARIES	57,857	6,429
	71	17	1,207	134
DEVON DR	1981	VARIES	75,577	8,397
SOMERSET DR	1764	VARIES	65,389	7,265
ETON AVE	954	36	34,344	3,816
COVENTRY DR	304	17	5,168	574
	125	42	5,250	583
G ST	884	52	45,968	5,108
WENTWORTH CIR/CT	664	36	23,904	2,656
WEXFORD DR	379	35	13,625	1,474
		TOTAL	954,531	106,059

# **MICRO-SURFACING SPREAD RATES**

ТҮРЕ	LOCATION	RANGE (LB OF DRY AGGREGATE/ SQ YD)	RANGE (LB OF EMULSION/ SQ YD
TYPE II, 0.15-0.20% FIBERIZED MICRO SURFACING (BLACK ROCK)	FULL LANE WIDTH	10 - 20	12 - 18

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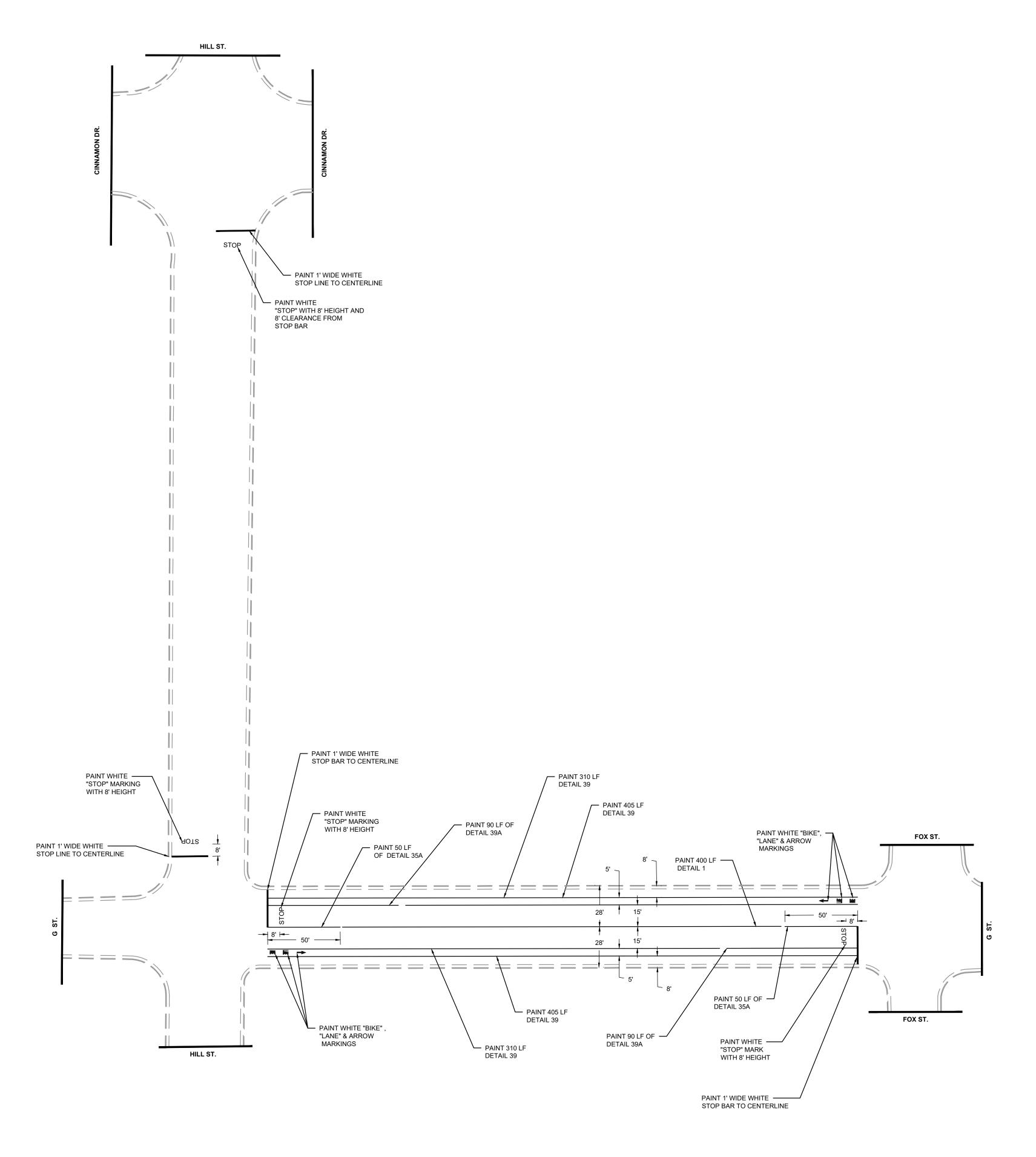








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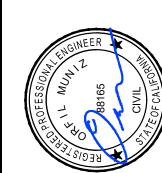


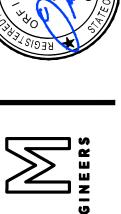
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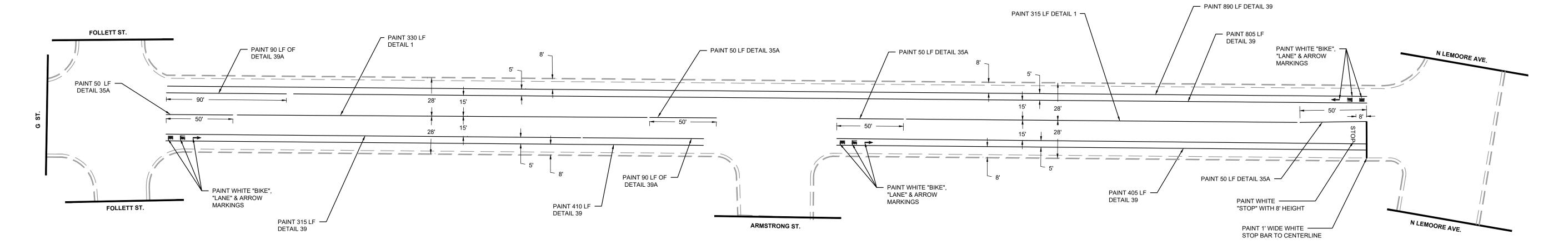






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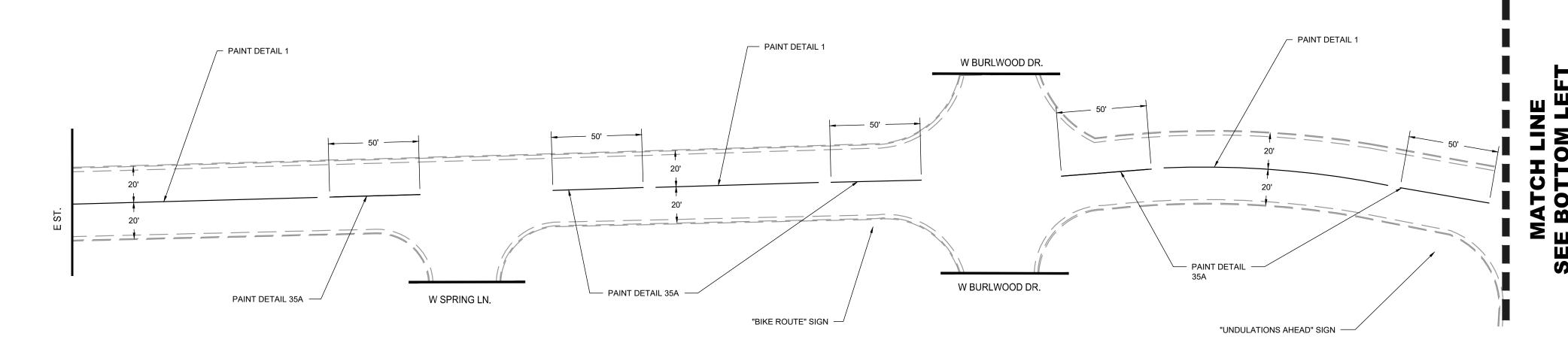
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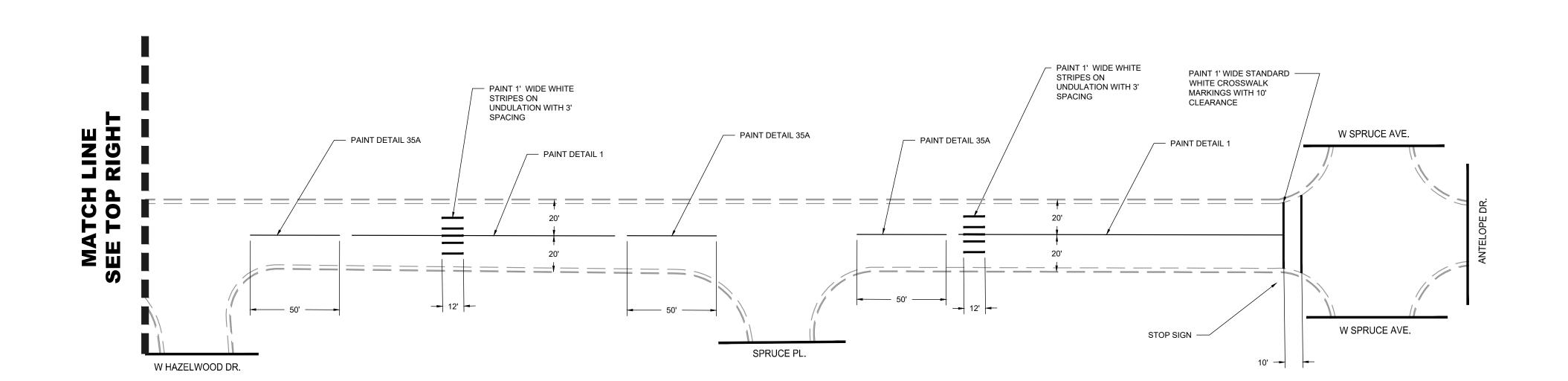
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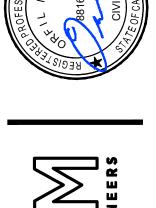


# SPRUCE AVENUE - PLAN VIEW SCALE: 1" = 40'













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CITY OF LEMOORE
21 ANNUAL ROAD MAINTENANCE PROJ



SHEET NO.

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