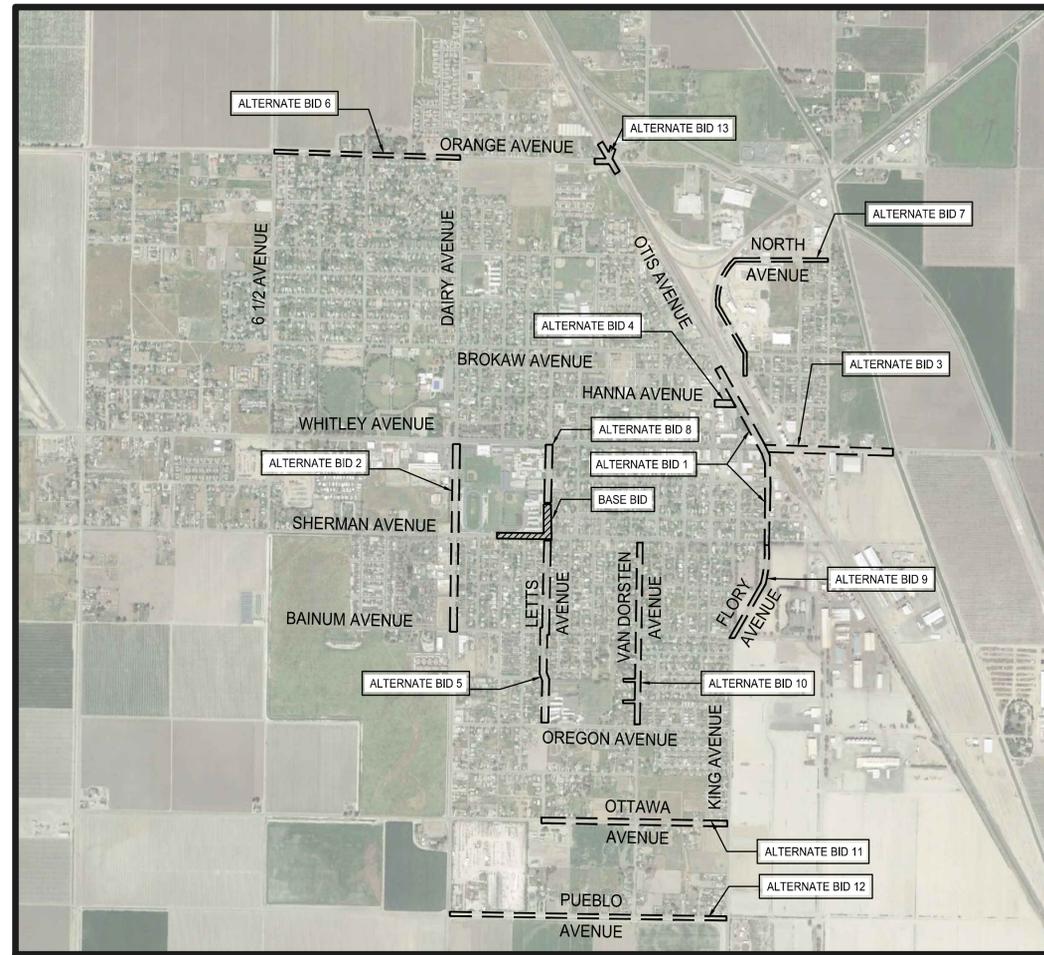


# CITY OF CORCORAN

## 2020 MICRO-SURFACING & STREET IMPROVEMENTS

### 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 POT-HOLING OR LOCATING SERVICES "811" IF FOUND NECESSARY.
- 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.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATIONS IS MADE AS THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. APPROVAL OF THESE PLANS BY THE CITY OF CORCORAN DOES NOT CONSTITUTE A REPRESENTATION AS THE ACCURACY OR COMPLETENESS OF LOCATION OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE FULL SET OF PLANS FOR ANY DISCREPANCIES 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.
- AN APPROVED SET OF PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
- THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."
- ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE PROVISIONS IN THE CALTRANS STANDARD SPECIFICATIONS AND PLANS DATED 2018, ALONG WITH THE CITY OF CORCORAN STANDARD DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS, FABRICATIONS, EQUIPMENT, APPLIANCES, TRANSPORTATION, SERVICES AND LABOR NECESSARY FOR THE CONSTRUCTION, ERECTION AND INSTALLATION OF ALL WORK INDICATED ON THESE DRAWINGS AND/OR OUTLINED IN EACH SECTION OF THE SPECIFICATIONS.
- FOR THE DURATION OF THE WORK, THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN, AS MAY BE REQUIRED, ALL NECESSARY BARRICADES AND RAILINGS, LIGHTS, WARNING SIGNS AND SIGNALS, AND SHALL TAKE ALL OTHER PRECAUTIONS AS MAY BE REQUIRED TO SAFEGUARD PERSONS, THE JOB SITE AND ADJOINING PROPERTY, AGAINST INJURIES AND DAMAGE OF ANY NATURE.
- 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 VARIOUS TRADES TO OBTAIN A NEAT FINISHED AND WORKMANLIKE JOB.
- 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.
- 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.
- SHOULD A CONSTRUCTION SURVEY OR CONSTRUCTION STAKING BE NECESSARY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THIS SERVICE.
- DO NOT SCALE DRAWINGS. IF UNABLE TO LOCATE DIMENSIONS FOR ANY ITEM OF WORK, CONTACT THE ENGINEER FOR DIRECTION BEFORE PROCEEDING.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR WILL NOTIFY THE CITY OF CORCORAN FOR ANY REPAIR/POTHOLE WORK WHERE NECESSARY PRIOR TO START OF WORK.
- CONTRACTOR SHALL HAVE THE OPTION TO CLOSE DOWN ROAD SECTIONS AS NECESSARY TO AVOID ADDED EXPENSES FOR TRAFFIC CONTROL. CONTRACTOR SHALL SUBMIT TO THE ENGINEER A TRAFFIC CONTROL PLAN AND HAVE ENGINEER'S APPROVAL BEFORE COMMENCING WORK.



VICINITY MAP  
CITY OF CORCORAN



### INDEX OF PLANS

- COVER SHEET
- NOTES & LEGEND

### BASE BID

- LETT'S AVENUE DEMOLITION PLAN
- SHERMAN AVENUE DEMOLITION PLAN
- LETT'S AVENUE IMPROVEMENTS PLAN
- SHERMAN AVENUE IMPROVEMENTS PLAN
- LETT'S AVENUE GRADING & DRAINAGE PLAN
- SHERMAN AVENUE GRADING & DRAINING PLAN
- DETAILS
- LETT'S AVENUE SIGNING, STRIPING & MARKING PLAN
- SHERMAN AVENUE SIGNING, STRIPING & MARKING PLAN

### ALTERNATE BID

- ALTERNATE BID IMPROVEMENT LOCATIONS
- ALTERNATE BID GRIDING LOCATIONS
- ALTERNATE BIDS 1 & 2 SIGNING, STRIPING & MARKING PLAN
- ALTERNATE BIDS 3, 4 & 5 SIGNING, STRIPING & MARKING PLAN
- ALTERNATE BIDS 6 & 7 SIGNING, STRIPING & MARKING PLAN
- ALTERNATE BIDS 8 & 9 SIGNING, STRIPING & MARKING PLAN
- ALTERNATE BID 10 SIGNING, STRIPING & MARKING PLAN
- ALTERNATE BIDS 11 & 12 SIGNING, STRIPING & MARKING PLAN
- ALTERNATE BID 13 SIGNING, STRIPING & MARKING PLAN
- ALTERNATE BID DETAILS

### BENCHMARK

TEMPORARY CONTROL POINT: #1  
ELEVATION: (99.25') LOCAL DATUM  
DESCRIPTION: NAIL AND SHINER  
LOCATION: ON THE ROADWAY IN THE SHERMAN AVE AND LETTS AVE INTERSECTION APPROXIMATELY 7.5 FT SOUTHEAST FROM THE CENTER OF THE NORTH-WEST CURB RAMP

### CITY & ENGINEER CONTACTS

PUBLIC WORKS DIRECTOR	CIVIL ENGINEER
JOSEPH FAULKNER	ORFIL MUNIZ, PE, QSD
CITY OF CORCORAN	A&M CONSULTING ENGINEERS
832 WHITLEY AVE	310 W MURRAY AVE
CORCORAN, CA 93212	VISALIA, CA 93291
(559) 992-2151 EXT. 262	(559) 429-4747

### PROJECT UTILITY CONTACTS

PG&E	CITY OF CORCORAN WATER AND WASTEWATER
JEFF HEIDINGER	JOSEPH FAULKNER
705 "P" ST., FRESNO, CA 93760	832 WHITLEY AVE
(559) 263-7368	CORCORAN, CA 93212
SOUTHERN CALIFORNIA GAS CO	(559) 992-2151 EXT. 262
BOB WALKER	FRONTIER COMMUNICATION
404 N TIPTON STREET	SOCRATES LUNA
VISALIA, CA 93292	1359 "G" STREET, REEDLEY, CA 93654
(818) 701-2552	(559) 637-0666



ENGINEERING PLANS FOR:  
2020 MICRO-SURFACING & STREET IMPROVEMENTS  
SHEET TITLE:

COVER SHEET

REVISIONS

NO.

AS SHOWN  
SCALE: 210-010  
JOB NO: JA  
DATE: 8/12/2020  
FILE: COVER\_SHEET.DWG



SHEET NO.

1

OF 21

## CONTRACTOR NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING SURVEY MONUMENTS, LOT STAKES (TAGGED), OR BENCH MARKS. ANY MONUMENT DISTURBED DURING CONSTRUCTION SHALL BE PERPETUATED PER THE PROFESSIONAL LAND SURVEYOR'S ACT, BUSINESS AND PROFESSIONS CODE 8771, AT THE CONTRACTOR'S EXPENSE.
- OMIT MICROSURFACING TREATMENT ON PCC PAVEMENT, DIRT PAVEMENT, DRAINAGE INLETS, CURB AND GUTTER, MEDIAN ISLANDS, MANHOLES, AND SURVEY MONUMENTS.
- THE CONTRACTOR IS REQUIRED TO INSTALL TEMPORARY MARKERS IMMEDIATELY AFTER SURFACING FOR THE SAFETY OF TRAFFIC.
- CONTRACTOR IS RESPONSIBLE FOR SUBMITTING A TEMPORARY TRAFFIC CONTROL PLAN TO THE CITY OF CORCORAN FOR APPROVAL.
- BEFORE APPLYING MICROSURFACING PAVEMENT TREATMENT, COVER MANHOLES, VALVE AND MONUMENTS COVERS, GRATES, OR OTHER EXPOSED FACILITIES LOCATED WITHIN THE AREA OF APPLICATION NEED TO BE COVERED IN PLACE USING PLASTIC OR OIL RESISTANT CONSTRUCTION PAPER SECURED BY TAPE OR ADHESIVE TO THE FACILITY BEING COVERED. REFERENCE THE COVERED FACILITIES WITH ENOUGH CONTROL POINTS TO RELOCATE THE FACILITIES AFTER APPLICATION OF THE SEAL COAT.
- NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND THE PROJECT SITE.
- LIMITS OF WORK WILL BE MARKED IN THE FIELD BY THE CITY OF CORCORAN.
- CONTRACTOR SHALL FURNISH AND RE-INSTALL ALL EXISTING PAINTED TRAFFIC STRIPINGS FOR ENTIRE LENGTH OF PROJECT USING PAINT TRAFFIC STRIPE (2-COAT), REFER TO BID SHEET FOR APPROXIMATE QUANTITIES.
- MICROSURFACING TREATMENT TO EXTEND 10' BEYOND THE END OF RAMP AS SHOWN ON THE TRANSITION DETAIL.
- ALL EXISTING PAVEMENT MARKINGS (CROSSWALKS, STOP BARS, STOP MARKING LEGENDS, ECT.) SHALL BE REPAINTED WHEN DISTURBED BY TRANSITION MICROSURFACING.
- CONTRACTOR SHALL SCHEDULE CITY TESTING AT LEAST (5) WORKING DAYS IN ADVANCE PRIOR TO ANY PLACEMENT OF MICROSURFACING.
- CONTRACTOR IS RESPONSIBLE FOR PREPARING & SUBMITTING A WATER POLLUTION CONTROL PLAN (WPCP) TO THE ENGINEER FOR APPROVAL FOR ALL CONSTRUCTION ACTIVITIES PRIOR TO THE BEGINNING OF WORK, AND REVISED TO REMAIN CURRENT THROUGHOUT THE PROJECT.
- CONTRACTOR TO PROVIDE 2 WEEKS NOTICE (EXCLUDING WEEKENDS), 3 DAY NOTICE AND 24 HOUR NOTICE TO PROPERTY OWNERS AND RESIDENTS PRIOR TO COMMENCING CONSTRUCTION WORK. NOTIFICATION TO BE BY LETTER AND SHALL BE APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL RESTORE ALL FACILITIES OUTSIDE LIMITS OF WORK DAMAGE BY CONSTRUCTION OPERATION TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST. NO MATERIAL MAY BE STORED IN PUBLIC RIGHT OF WAY.
- ALL EXISTING STREET FEATURES (MANHOLES, CLEAN-OUT, MONUMENTS, STRIPING, PAVEMENT MARKINGS, ETC.) SHALL BE TIED OUT AND REFERENCED BY THE CONTRACTOR PRIOR TO THE START OF ANY STREET WORK.
- SOME UTILITY LOCATING HAS BEEN PERFORMED DURING THE DESIGN OF THE PROJECT, HOWEVER THE PLANS MAY NOT SHOW ALL OF THE EXISTING UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES, INCLUDING SERVICE CONNECTIONS, WHICH THE CONTRACTOR BELIEVES MAY AFFECT OR BE AFFECTED BY THE WORK SHOWN HEREIN. THE CONTRACTOR SHALL FIELD VERIFY/POTHOLE EXISTING UTILITIES AS REQUIRED, PRIOR TO ANY DIGGING, CALL U.S.A. 811 A MINIMUM OF 48 HOURS IN ADVANCE OF EXCAVATION. WORK SHALL START WITHIN FIVE DAYS AFTER THE ISSUANCE OF A USA INQUIRY IDENTIFICATION NUMBER, CONTRACTOR SHALL REMOVE U.S.A. MARKINGS WITHIN 2 WORKING DAYS AFTER COMPLETION OF EXCAVATION, BACKFILL AND SURFACE REPLACEMENT.
- CONTRACTOR SHALL, AT THE CONTRACTOR'S EXPENSE, RESTORE, REPAIR, AND RE-STRIPING EXISTING PAVEMENT MARKINGS OR STRIPING DAMAGE OR COATED WITH MATERIALS FROM THE CONTRACTOR'S OPERATION.
- TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUBMIT A WRITTEN TRAFFIC CONTROL & SIGNING PLAN (INCLUDING STREET CLOSURE DETAILS) TO THE ENGINEER WITHIN TEN (10) WORKING DAYS AFTER AWARD OF CONTRACT.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS BARRICADES, TEMPORARY RAMPS, FLAGMEN AND OTHER DEVICES TO PROVIDE VEHICULAR AND PEDESTRIAN SAFETY.
- CONTRACTOR SHALL PROTECT ALL UTILITY STRUCTURES, AND SURVEY MONUMENTS WITHIN THE WORK AREAS. THE CONTRACTOR SHALL REVIEW THE WORK SITES PRIOR TO SUBMISSION OF BIDS.
- RIGHT OF WAY LINES ARE SHOWN AT APPROXIMATE LOCATIONS.
- IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATION, ELEVATIONS, OF EXISTING FACILITIES AND TO IMMEDIATELY NOTIFY THE ENGINEER OF ANY FIELD CONFLICTS OR OMISSIONS.
- THE CONTRACTOR SHALL FURNISH A SELF-LOADING MOTOR SWEEPER WITH SPRAY NOZZLE AND OPERATE AT LEAST ONCE A DAY AND MORE AS NECESSARY TO CONTROL DUST CONDITIONS.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES THROUGHOUT THE LIFE OF THE CONTRACT.
- ANY DAMAGE TO THE EXISTING FACILITIES INCLUDING, BUT NOT LIMITED TO, TRESS, LANDSCAPING, IRRIGATION, FENCES, WALL, SIDEWALK, ANY OTHER PAVEMENT SURFACES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL RESTORE ANY AND ALL PAVEMENT AND OTHER FACILITIES OUTSIDE LIMITS OF WORK AFFECTED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST.
- BIDDERS SHOULD NOTE PRESENCE OF OVERHEAD UTILITIES IN THE WORK AREA ALL OVERHEAD UTILITIES MAY NOT BE SHOWN ANY IF SHOWN, MAY BE IN THEIR APPROXIMATE ALIGNMENT. AS PART OF THEIR PRE-BID INSPECTION, BIDDERS SHALL NOTE THE TYPE ANY LOCATION OF OVERHEAD UTILITIES IN THE PROPOSED WORK AREA BIDDER'S PRICE SHALL INCLUDE PROVISIONS FOR WORKING IN AREAS WHERE OVERHEAD UTILITIES EXIST AT THE TIME OF BIDDING, WHETHER SHOWN ON THE PLANS OR NOT, AND NO ADDITIONAL COMPENSATION IS ALLOWED.

## GENERAL CONCRETE NOTES

- ALL CONCRETE SHALL BE CLASS 3 CONCRETE UNLESS OTHERWISE SPECIFIED.
- CLASS 3 CONCRETE SHALL CONTAIN NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 IN AGGREGATE. 5 INCH MAXIMUM SLUMP. 2500 P.S.I. AT 28 DAYS.
- WHEN MAXIMUM DAYTIME TEMPERATURE EXCEEDS 50° F. ALL NEWLY PLACED CONCRETE SHALL BE SPRAYED UNIFORMLY WITH A CURING COMPOUND. CURING COMPOUND SHALL BE APPLIED AT A NOMINAL RATE OF ONE GALLON PER 150 SQUARE FEET, UNLESS OTHERWISE SPECIFIED.
- ALL WORK CONSTRUCTED BY THESE PLANS SHALL BE IN COMPLIANCE WITH ALL CURRENT ADA REGULATIONS.

## SIDEWALK AND RAMP NOTES

- MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5% WITHIN 4' OF THE BOTTOM OF THE CURB RAMP.
- NO CROSS SLOPE IN THE PATH OF TRAVEL TO EXCEED 1.5%
- SIDEWALKS AND RAMPS SHALL BE STEEL TOWELED AND HAVE A LIGHT BROOM FINISH UNLESS OTHERWISE NOTED. RAMPS SHALL HAVE A HEAVY BROOM FINISH ACROSS THE SLOPE OF THE RAMP.
- SIDEWALKS AND RAMPS SHALL HAVE WEAKENED PLANE JOINTS CONSTRUCTED WHERE SHOWN IN THESE IMPROVEMENT PLANS. WEAKENED PLANE JOINTS SHALL BE A MINIMUM OF 1 INCH IN DEPTH AND SHALL BE FINISHED WITH A SCORING TOOL LEAVING THE EDGES ROUNDED.
- SIDEWALKS AND RAMPS SHALL BE PLACED ON 6 INCH MOIST AND COMPACTED BASE MATERIALS. 90% RELATIVE COMPACTION UNDER SIDEWALKS. 95% RELATIVE COMPACTION UNDER RAMPS AND SIDEWALKS.

## CONTRACTOR NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE ALL SURVEY MONUMENTS. ANY MONUMENT DISTURBED DURING CONSTRUCTION SHALL BE PERPETUATED PER THE PROFESSIONAL LAND SURVEYOR'S ACT, BUSINESS AND PROFESSIONS CODE 8771, AT THE CONTRACTOR'S EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATED. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BEFORE COMMENCEMENT OF WORK.

## CONTRACTOR STRIPING NOTES

ALL EXISTING PAVEMENT STRIPING & MARKINGS (CROSSWALKS, STOP BARS, STOP MARKING LEGENDS, CENTERLINE, ECT.) SHALL BE REPAINTED WHEN DISTURBED BY IMPROVEMENTS OR MICRO-SURFACING TREATMENT, UNLESS SPECIFIED OTHERWISE.

## SIGNING, STRIPING & MARKING NOTES

- ALL WORK AND MATERIALS SHALL CONFORM TO CALTRANS STANDARD PLANS (2015 REVISED STANDARD PLAN RSP) AND THE CA 2014 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS MUTCD (REVISION 3).
- 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.
- NEW BIKE LANE STRIPING SHALL BE 5 FEET WIDE.
- FOR CROSSWALK DETAILS, PLEASE REFER TO THE YELLOW LADDER CROSSWALK DETAILS ON SHEET #

## LEGEND

BF	BACK FLOW		MATCH LINE
BSW	BACK OF SIDEWALK		CHAIN LINK FENCE
C	CONCRETE		EXISTING PAVEMENT
CP	CONTROL POINT		DEMO AREA - REMOVE AND DISPOSE OF ALL EXISTING SURFACES AND VEGETATION
CR	CROWN OF ROADWAY		SAWCUT LINE
DI	DRAIN INLET		
EB	ELECTRICAL BOX		
EP	EDGE OF PAVEMENT		
FL	FLOW LINE		
FN	FENCE		
HYD	FIRE HYDRANT		
IRR	IRRIGATION BOX		
LIP	LIP		
LP	LIGHT POST		
MEM	MEMORIAL		
MH	MAN HOLE		
OG	ORIGINAL GROUND		
P	PAVEMENT		
PP	POWER POLE		
POLE	POLE		
R	RADIUS		
SIGN	STREET SIGN		
TC	TOP OF CURB		
TREE	EXISTING TREE		
UTILITY	EXISTING UTILITY		
WV	WATER VALVE		
(XX.XX)	EXISTING ELEVATION		
	EXISTING FIRE HYDRANT		
	EXISTING STREET SIGN		
	EXISTING TREE		
	EXISTING UTILITY POLE		



ENGINEERING PLANS FOR:

2020 MICRO-SURFACING & STREET IMPROVEMENTS

SHEET TITLE:

NOTES & LEGEND

REVISIONS

NO.

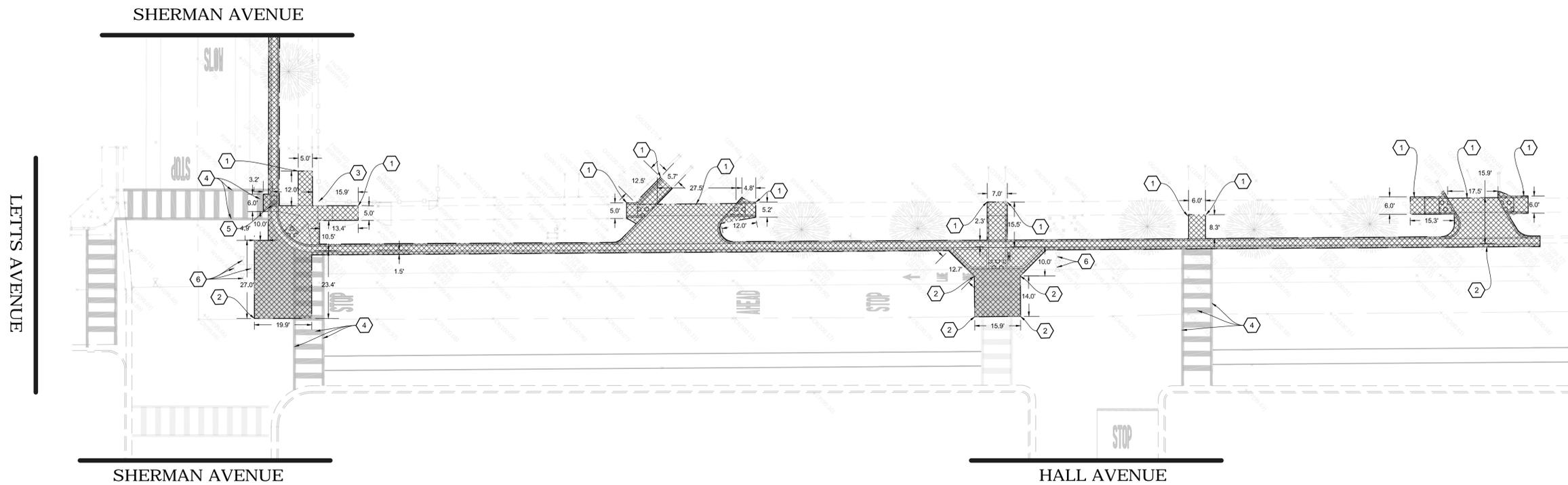
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JOB NO: 220-010  
DATE: 8/12/2020  
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FILE: 220\_017\_NOTES.DWG



SHEET NO.

2

OF 21



LETTS AVENUE (BASE BID)  
SCALE: 1" = 20'

**CONTRACTOR NOTES**

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE ALL SURVEY MONUMENTS. ANY MONUMENT DISTURBED DURING CONSTRUCTION SHALL BE PERPETUATED PER THE PROFESSIONAL LAND SURVEYOR'S ACT, BUSINESS AND PROFESSIONS CODE 8771, AT THE CONTRACTORS EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATED. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BEFORE COMMENCEMENT OF WORK.

**DEMOLITION NOTES**

- SAWCUT EXISTING CONCRETE TO A NEAT CLEAN EDGE LINE.
- SAWCUT EXISTING PAVEMENT TO A NEAT CLEAN EDGE LINE.
- EXISTING CHAIN LINK FENCE TO BE PROTECTED IN PLACE.
- EXISTING STRIPING OR MARKING TO BE REMOVED BY PAINTING BLACK.
- EXISTING DRAINAGE INLET TO BE DEMOLISHED AND RECONSTRUCTED PER DETAIL 1, SEE SHEET 5.
- EXISTING WATER VALVES TO BE PROTECTED IN PLACE.

**LEGEND**

SEE SHEET 2 FOR COMPLETE LEGEND

ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**  
SHEET TITLE:  
**LETTS AVENUE DEMOLITION PLAN**

REVISIONS  
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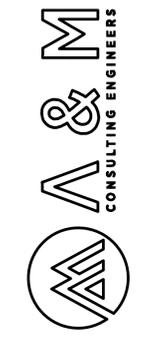
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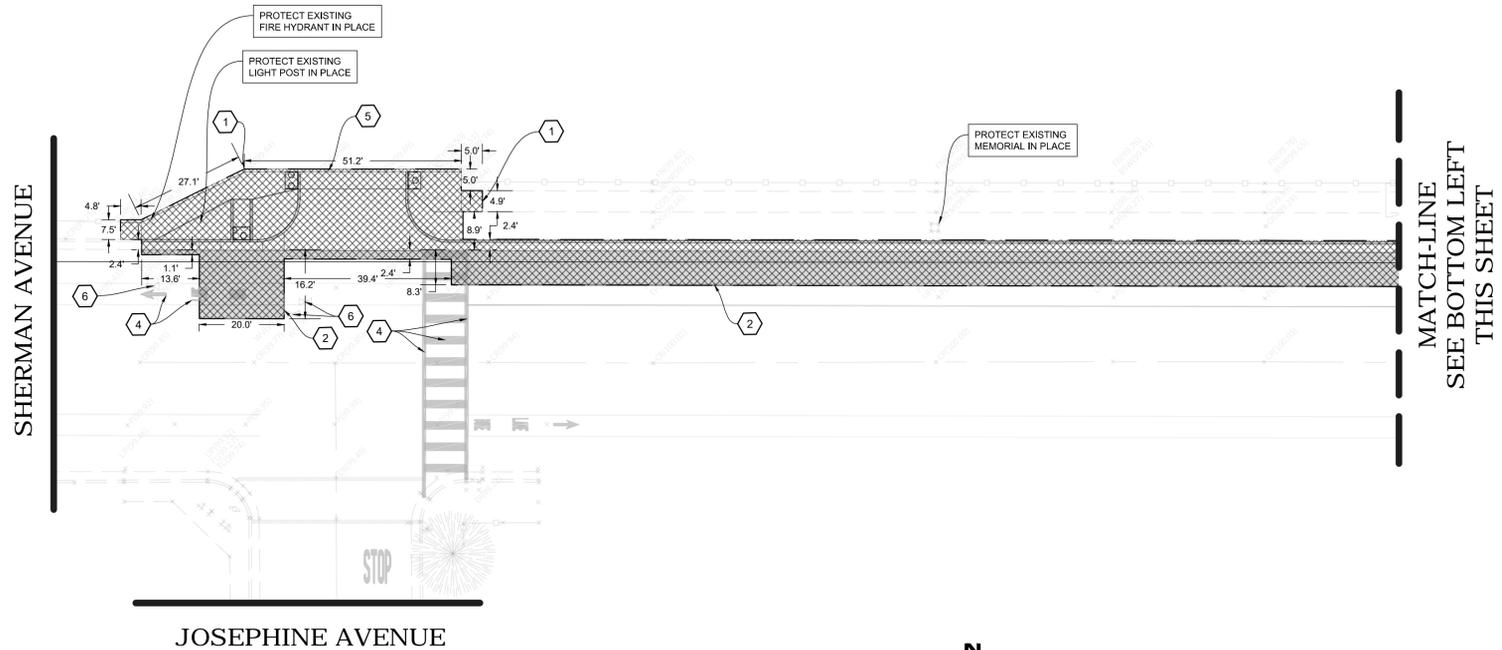


SHEET NO.

**3**

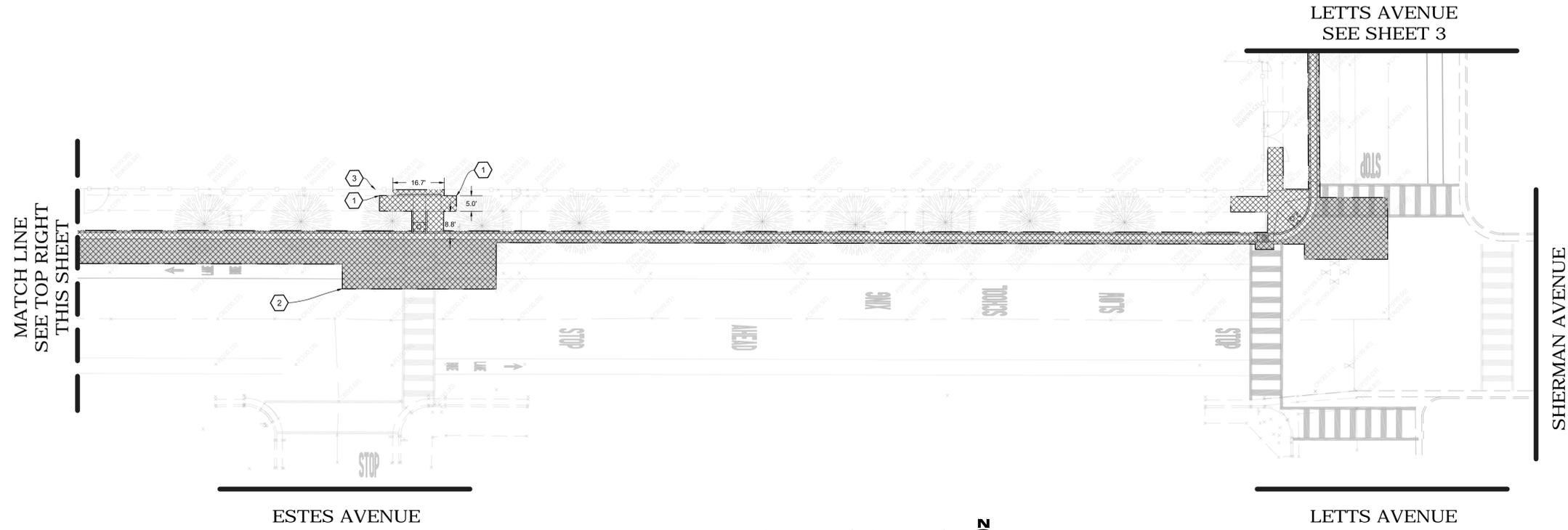
OF 21





JOSEPHINE AVENUE

SHERMAN AVENUE (BASE BID)  
SCALE: 1" = 20'



ESTES AVENUE

SHERMAN AVENUE (BASE BID)  
SCALE: 1" = 20'



LETTS AVENUE

**CONTRACTOR NOTES**

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE ALL SURVEY MONUMENTS. ANY MONUMENT DISTURBED DURING CONSTRUCTION SHALL BE PERPETUATED PER THE PROFESSIONAL LAND SURVEYOR'S ACT, BUSINESS AND PROFESSIONS CODE 8771, AT THE CONTRACTORS EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATED. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BEFORE COMMENCEMENT OF WORK.

**DEMOLITION NOTES**

- SAWCUT EXISTING CONCRETE TO A NEAT CLEAN EDGE LINE
- SAWCUT EXISTING PAVEMENT TO A NEAT CLEAN EDGE LINE
- EXISTING CHAIN LINK FENCE TO BE PROTECTED IN PLACE.
- EXISTING STRIPING OR MARKING TO BE REMOVED BY PAINTING BLACK.
- EXISTING CHAIN LINK FENCE AND GATE TO BE DEMOLISHED
- EXISTING WATER VALVES TO BE PROTECTED IN PLACE.

**LEGEND**

SEE SHEET 2 FOR COMPLETE LEGEND



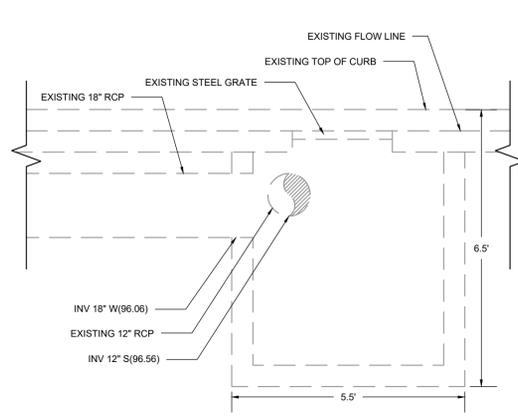
ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**  
SHEET TITLE:  
**SHERMAN AVENUE DEMOLITION PLAN**

REVISIONS  
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SCALE: 1" = 20'  
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QA/QC: JA  
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DATE: 8/12/2020

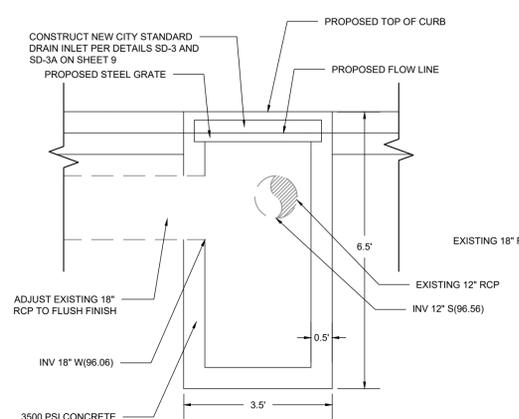


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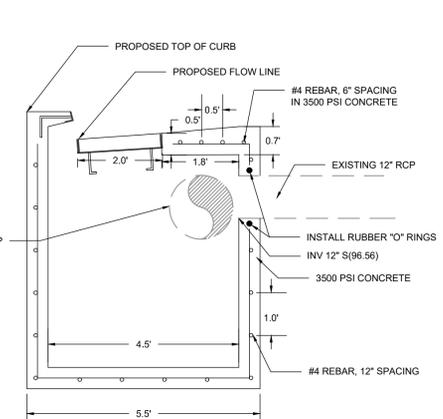
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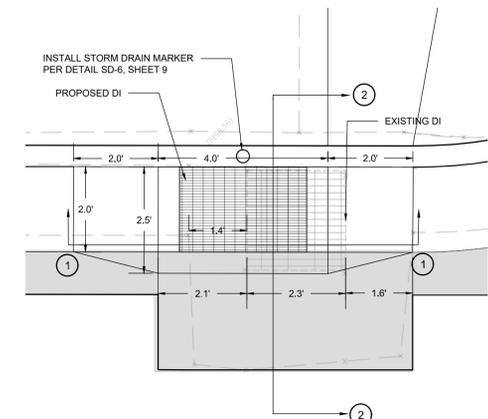
PROFILE VIEW FACING NORTH



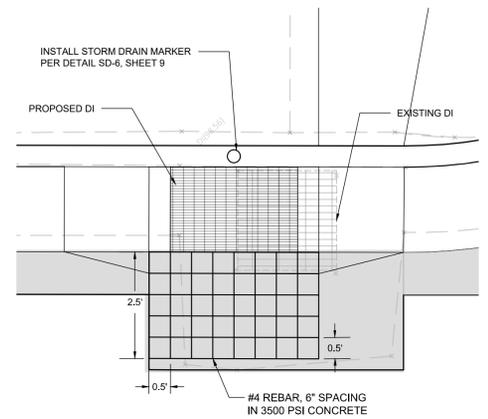
SECTION 1-1  
PROFILE VIEW FACING NORTH



SECTION 2-2  
PROFILE VIEW FACING EAST



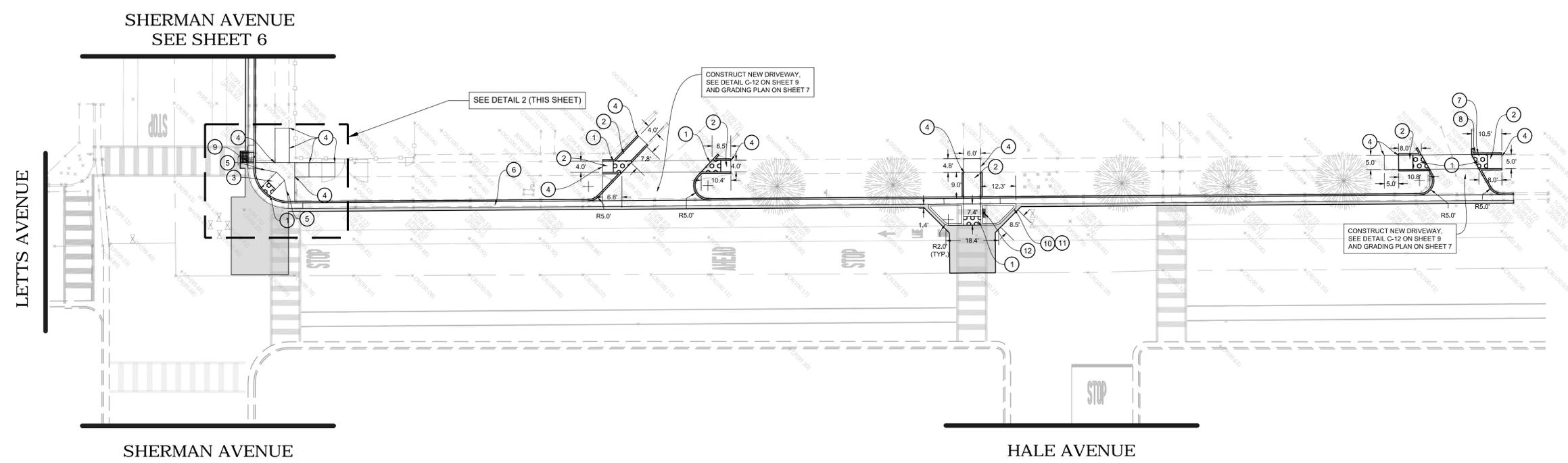
PLAN VIEW FACING NORTH



PLAN VIEW FACING NORTH

EXISTING DRAINAGE INLET  
N.T.S.

DETAIL 1 - DRAINAGE INLET  
N.T.S.



LETTS AVENUE IMPROVEMENTS (BASE BID)  
SCALE: 1" = 20'



**GENERAL CONCRETE NOTES**

- ALL CONCRETE SHALL BE CLASS 3 CONCRETE UNLESS OTHERWISE SPECIFIED.
- CLASS 3 CONCRETE SHALL CONTAIN NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 IN AGGREGATE, 5 INCH MAXIMUM SLUMP, 2500 P.S.I. AT 28 DAYS.
- WHEN MAXIMUM DAYTIME TEMPERATURE EXCEEDS 50° F., ALL NEWLY PLACED CONCRETE SHALL BE SPRAYED UNIFORMLY WITH A CURING COMPOUND. CURING COMPOUND SHALL BE APPLIED AT A NOMINAL RATE OF ONE GALLON PER 150 SQUARE FEET, UNLESS OTHERWISE SPECIFIED.
- ALL WORK CONSTRUCTED BY THESE PLANS SHALL BE IN COMPLIANCE WITH ALL CURRENT ADA REGULATIONS.

**LEGEND**

SEE SHEET 2 FOR COMPLETE LEGEND

**SIDEWALK AND RAMP NOTES**

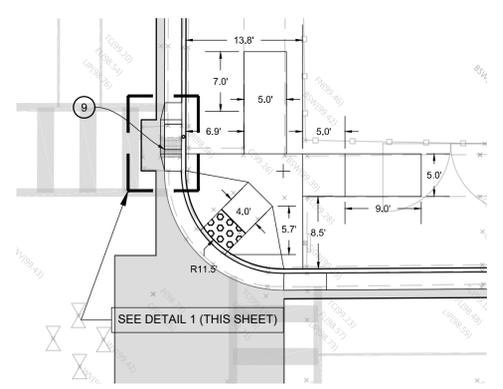
- MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5% WITHIN 4' OF THE BOTTOM OF THE CURB RAMP.
- NO CROSS SLOPE IN THE PATH OF TRAVEL TO EXCEED 1.5%.
- SIDEWALKS AND RAMPS SHALL BE STEEL TOWELED AND HAVE A LIGHT BROOM FINISH UNLESS OTHERWISE NOTED. RAMPS SHALL HAVE A HEAVY BROOM FINISH ACROSS THE SLOPE OF THE RAMP.
- SIDEWALKS AND RAMPS SHALL HAVE WEAKEN PLANE JOINTS CONSTRUCTED WHERE SHOWN IN THESE IMPROVEMENT PLANS. WEAKENED PLANE JOINTS SHALL BE A MINIMUM OF 1 INCH IN DEPTH AND SHALL BE FINISHED WITH A SCORING TOOL LEAVING THE EDGES ROUNDED.
- SIDEWALKS AND RAMPS SHALL BE PLACED ON 6 INCH MOIST AND COMPACTED BASE MATERIALS, 90% RELATIVE COMPACTION UNDER SIDEWALKS, 95% RELATIVE COMPACTION UNDER RAMPS AND SIDEWALKS.

**CONTRACTOR NOTES**

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE ALL SURVEY MONUMENTS. ANY MONUMENT DISTURBED DURING CONSTRUCTION SHALL BE PERPETUATED PER THE PROFESSIONAL LAND SURVEYOR'S ACT, BUSINESS AND PROFESSIONS CODE §771, AT THE CONTRACTOR'S EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATED. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BEFORE COMMENCEMENT OF WORK.

**CONSTRUCTION NOTES**

- INSTALL 3' DEEP BY 4' WIDE DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOMES), IN DARK GREY COLOR NO. 36118 OF FED-STD-595 PER SHEET DETAIL C-6 ON SHEET 9.
- CONSTRUCT NEW ACCESSIBLE RAMP, 4" IN THICKNESS.
- CONSTRUCT NEW CITY STANDARD ACCESSIBLE RAMP, SEE DETAIL C-6, ON SHEET 9.
- INSTALL WEAKENED PLANE JOINT, SEE DETAIL C-6, ON SHEET 9.
- INSTALL WEAKENED PLANE JOINT AROUND RAMP PERIMETER, TYPICAL.
- CONSTRUCT NEW CURB AND GUTTER PER DETAIL C2 ON SHEET 9.
- RELOCATE SPRINKLER AS, NEEDED.
- RELOCATE SEWER CLEANOUT, AS NEEDED.
- REMOVE EXISTING DRAINAGE INLET AND CONSTRUCT NEW STANDARD DRAINAGE INLET PER DETAIL 1, THIS SHEET AND DETAIL SD-3 ON SHEET 9.
- CONSTRUCT BULB-OUT CURB PER DETAIL B ON SHEET 9.
- INSTALL RAISED MARKERS ON BULB-OUT CURB PER DETAIL B ON SHEET 9.
- INSTALL NEW SCHOOL CROSSING SIGNS S1-1 AND W16-7P ON POST



DETAIL 2 - RAMP  
N.T.S.



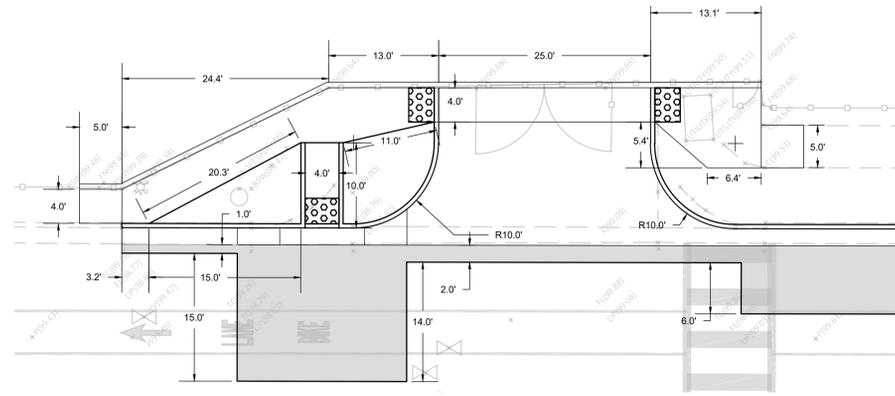
ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**  
SHEET TITLE:  
**LETTS AVENUE IMPROVEMENTS PLAN**

REVISIONS	NO.

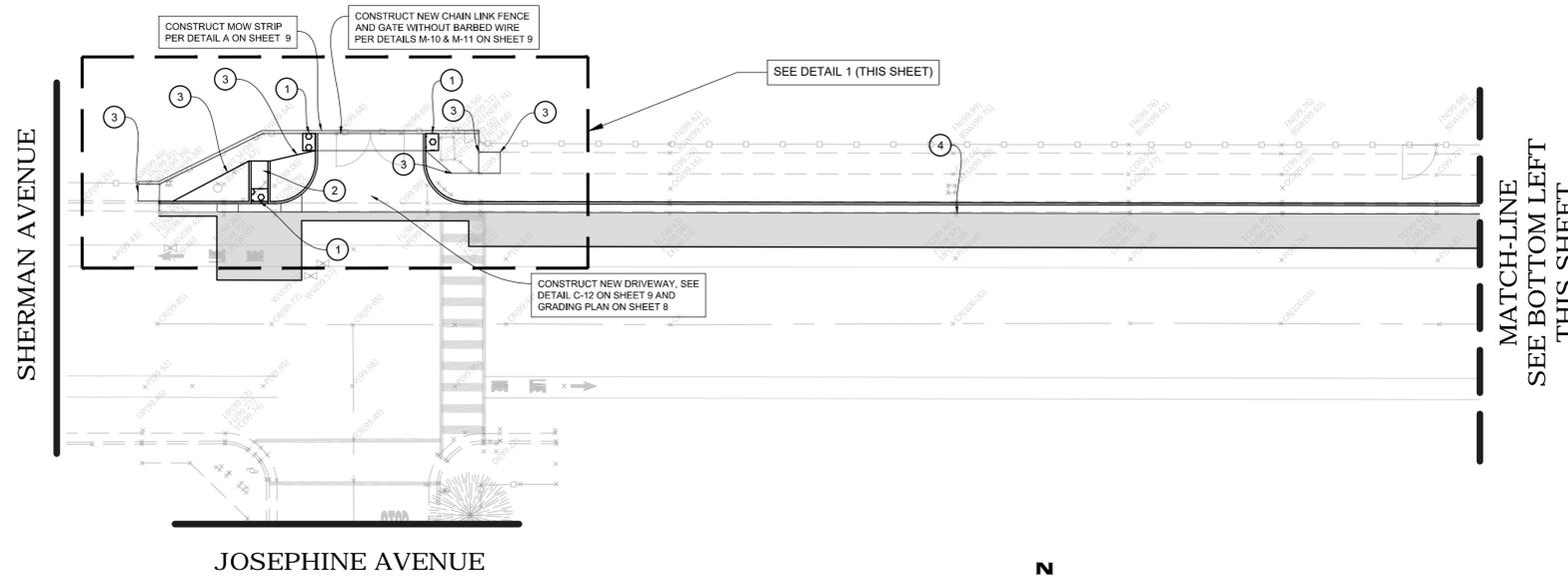
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JOB NO: 220-010  
DATE: 8/12/2020  
DRAWN BY: JA  
CHECKED BY: JA  
FILE: 220\_017\_IMPR.DWG



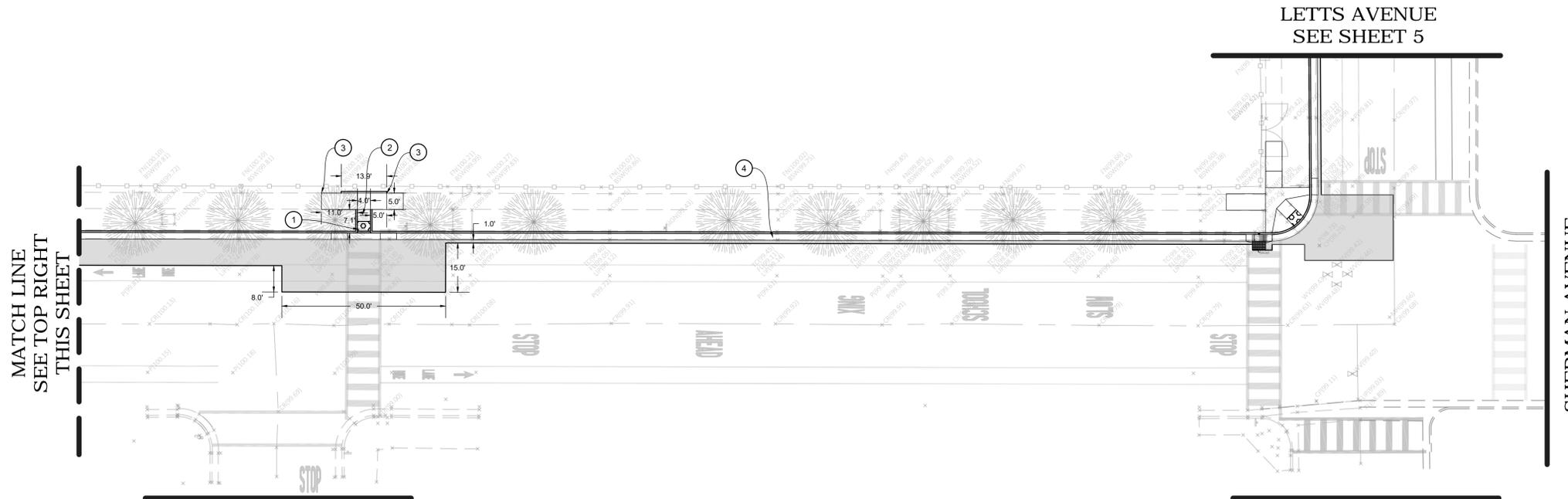
SHEET NO.



DETAIL 1  
SCALE: 1" = 10'



SHERMAN AVENUE (BASE BID)  
SCALE: 1" = 20'



SHERMAN AVENUE (BASE BID)  
SCALE: 1" = 20'

CONTRACTOR NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE ALL SURVEY MONUMENTS. ANY MONUMENT DISTURBED DURING CONSTRUCTION SHALL BE PERPETUATED PER THE PROFESSIONAL LAND SURVEYOR'S ACT, BUSINESS AND PROFESSIONS CODE 8771, AT THE CONTRACTOR'S EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATED. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BEFORE COMMENCEMENT OF WORK.

SIDEWALK AND RAMP NOTES

- MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5% WITHIN 4' OF THE BOTTOM OF THE CURB RAMP.
- NO CROSS SLOPE IN THE PATH OF TRAVEL TO EXCEED 1.5%.
- SIDEWALKS AND RAMPS SHALL BE STEEL TOWELED AND HAVE A LIGHT BROOM FINISH UNLESS OTHERWISE NOTED. RAMPS SHALL HAVE A HEAVY BROOM FINISH ACROSS THE SLOPE OF THE RAMP.
- SIDEWALKS AND RAMPS SHALL HAVE WEAKENED PLANE JOINTS CONSTRUCTED WHERE SHOWN IN THESE IMPROVEMENT PLANS. WEAKENED PLANE JOINTS SHALL BE A MINIMUM OF 1 INCH IN DEPTH AND SHALL BE FINISHED WITH A SCORING TOOL LEAVING THE EDGES ROUNDED.
- SIDEWALKS AND RAMPS SHALL BE PLACED ON 6 INCH MOIST AND COMPACTED BASE MATERIALS. 90% RELATIVE COMPACTION UNDER SIDEWALKS. 95% RELATIVE COMPACTION UNDER RAMPS AND SIDEWALKS.

GENERAL CONCRETE NOTES

- ALL CONCRETE SHALL BE CLASS 3 CONCRETE UNLESS OTHERWISE SPECIFIED.
- CLASS 3 CONCRETE SHALL CONTAIN NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 IN AGGREGATE. 5 INCH MAXIMUM SLUMP. 2500 P.S.I. AT 28 DAYS.
- WHEN MAXIMUM DAYTIME TEMPERATURE EXCEEDS 50° F, ALL NEWLY PLACED CONCRETE SHALL BE SPRAYED UNIFORMLY WITH A CURING COMPOUND. CURING COMPOUND SHALL BE APPLIED AT A NOMINAL RATE OF ONE GALLON PER 150 SQUARE FEET, UNLESS OTHERWISE SPECIFIED.
- ALL WORK CONSTRUCTED BY THESE PLANS SHALL BE IN COMPLIANCE WITH ALL CURRENT ADA REGULATIONS.

CONSTRUCTION NOTES

- INSTALL 3" DEEP BY 4" WIDE DETECTABLE WARNING SURFACE (RAISED TRUNCATED DOMES), IN DARK GREY COLOR NO. 36118 OF FED-STD-595 PER SHEET DETAIL C-6 ON SHEET 9
- CONSTRUCT NEW ACCESSIBLE RAMP, 4" IN THICKNESS.
- INSTALL WEAKENED PLANE JOINT, SEE DETAIL C-6, ON SHEET 9.
- CONSTRUCT NEW CURB AND GUTTER PER DETAIL C2 ON SHEET 9.

LEGEND  
SEE SHEET 2 FOR COMPLETE LEGEND



ENGINEERING PLANS FOR  
2020 MICRO-SURFACING & STREET IMPROVEMENTS  
SHEET TITLE:

SHERMAN AVENUE IMPROVEMENTS PLAN

REVISIONS

NO.

SCALE: AS SHOWN  
JOB NO: 220-010  
DATE: 8/12/2020  
QA/QC: JA  
FILE: 220\_017\_IMPR.DWG

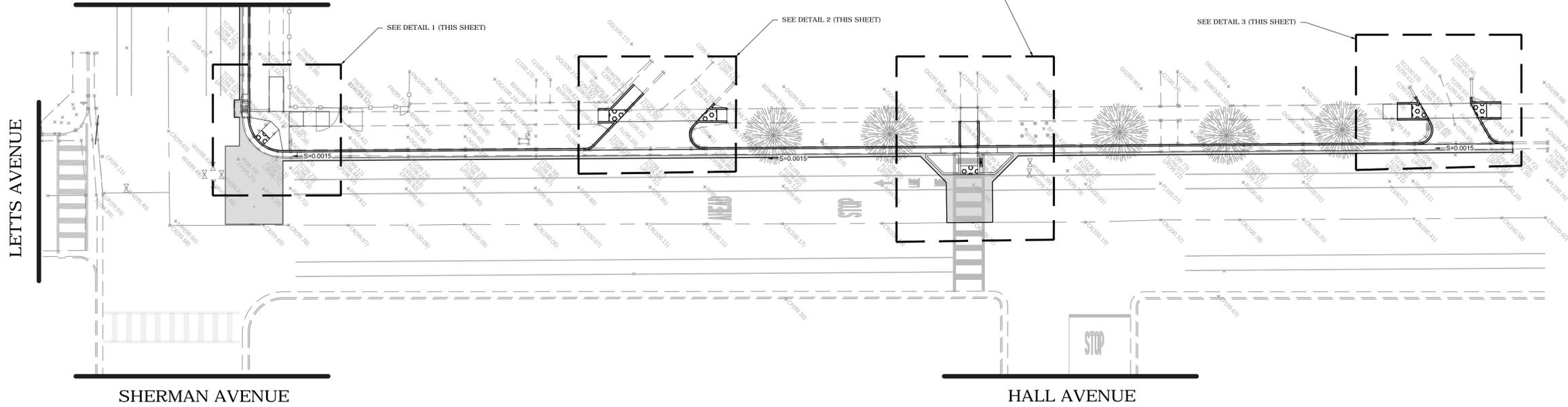


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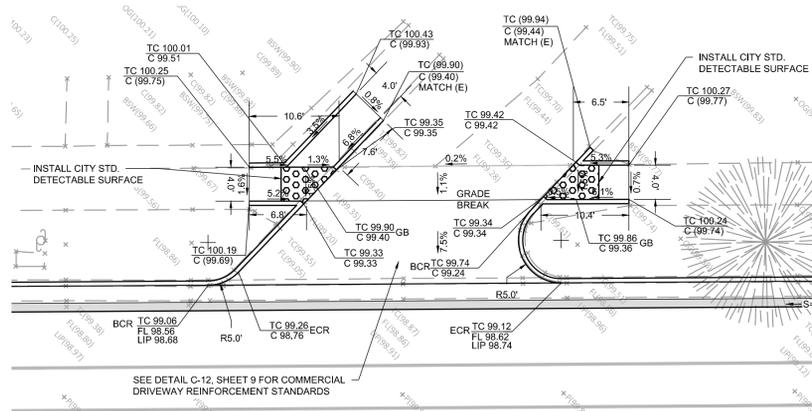
6

OF 21

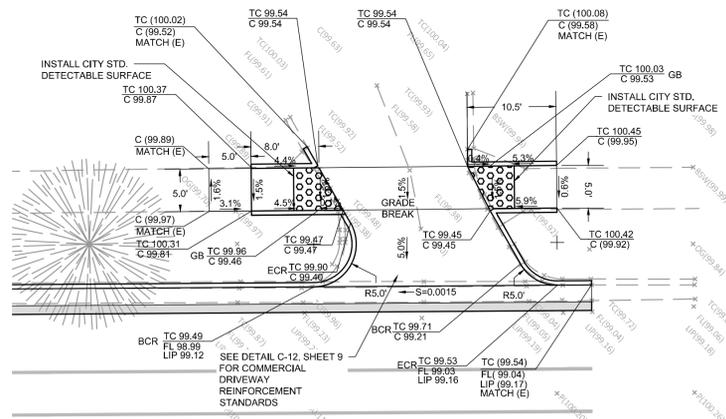
SHERMAN AVENUE  
SEE SHEET 8



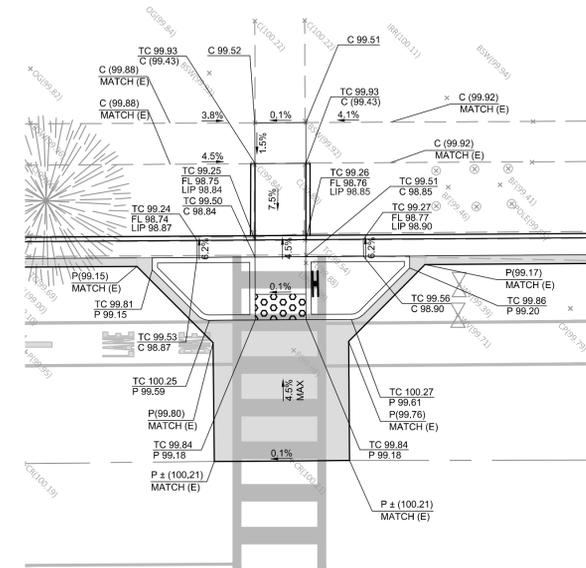
LETTS AVENUE IMPROVEMENTS (BASE BID)  
SCALE: 1" = 20'



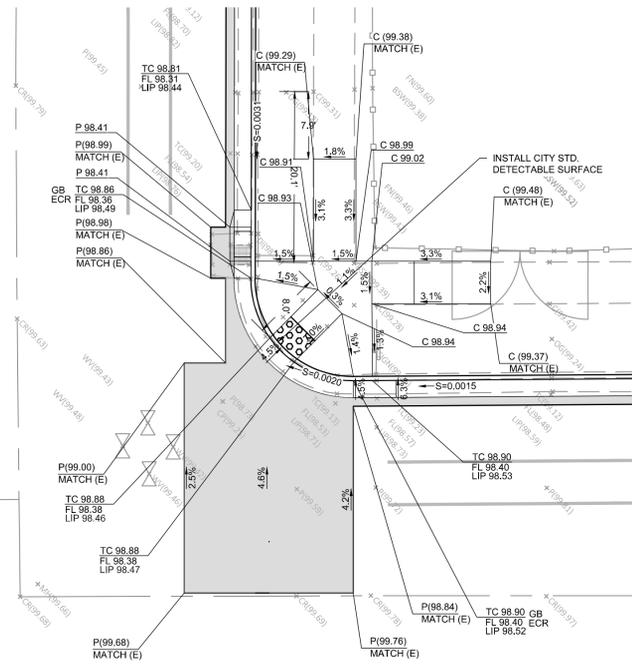
DETAIL 2 - RAMP  
SCALE: 1" = 10'



DETAIL 3 - RAMP  
SCALE: 1" = 10'



DETAIL 4 - RAMP  
SCALE: 1" = 10'



DETAIL 1 - RAMP  
SCALE: 1" = 10'

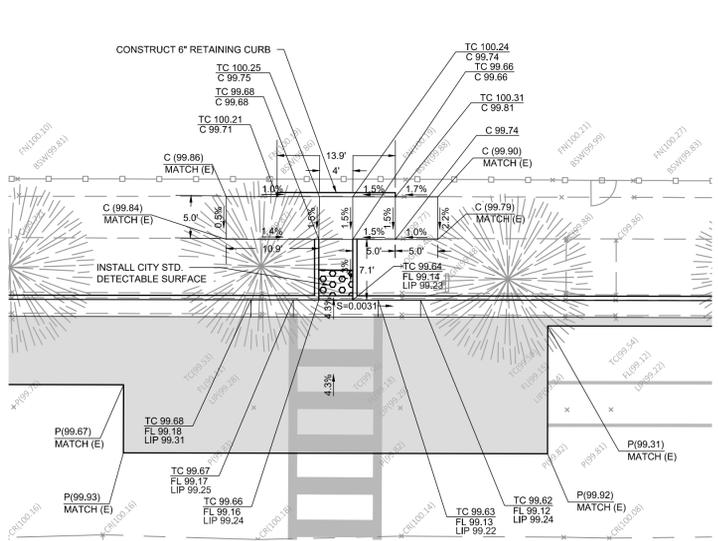
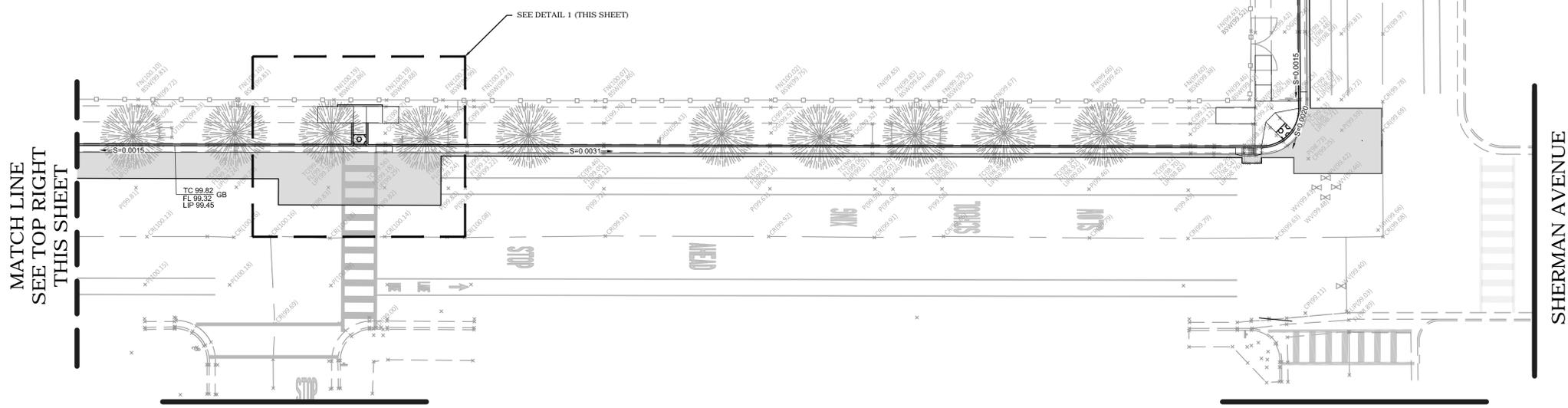
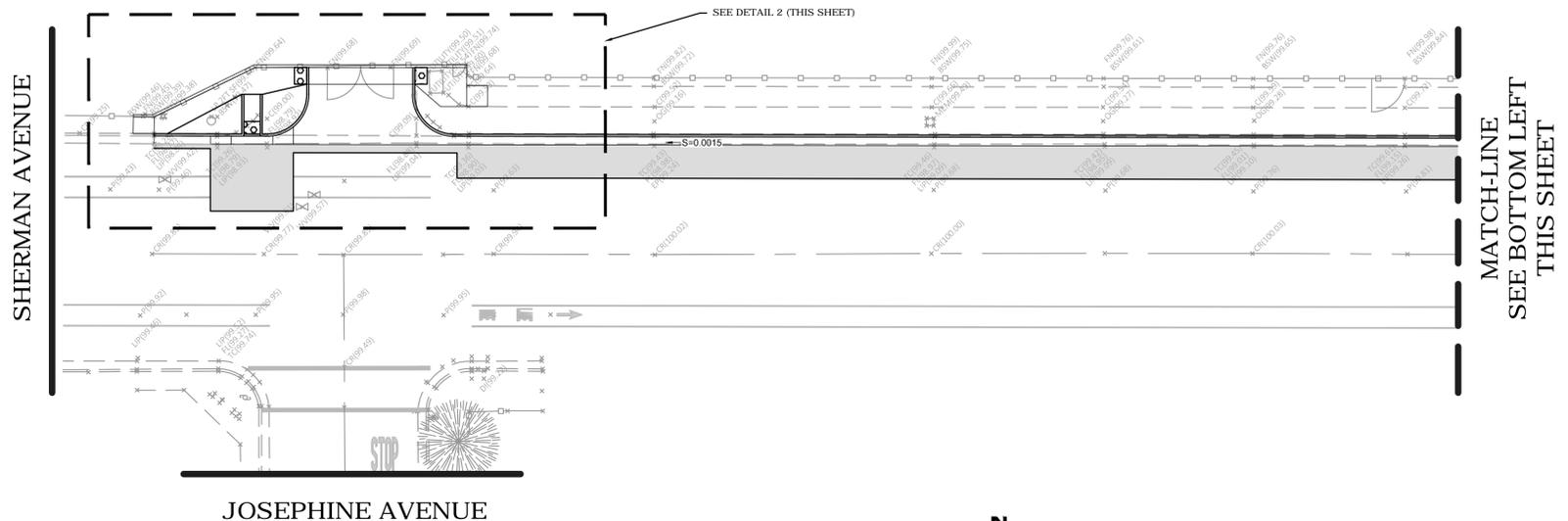


ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**  
SHEET TITLE:  
**LETTS AVENUE GRADING & DRAINAGE PLAN**

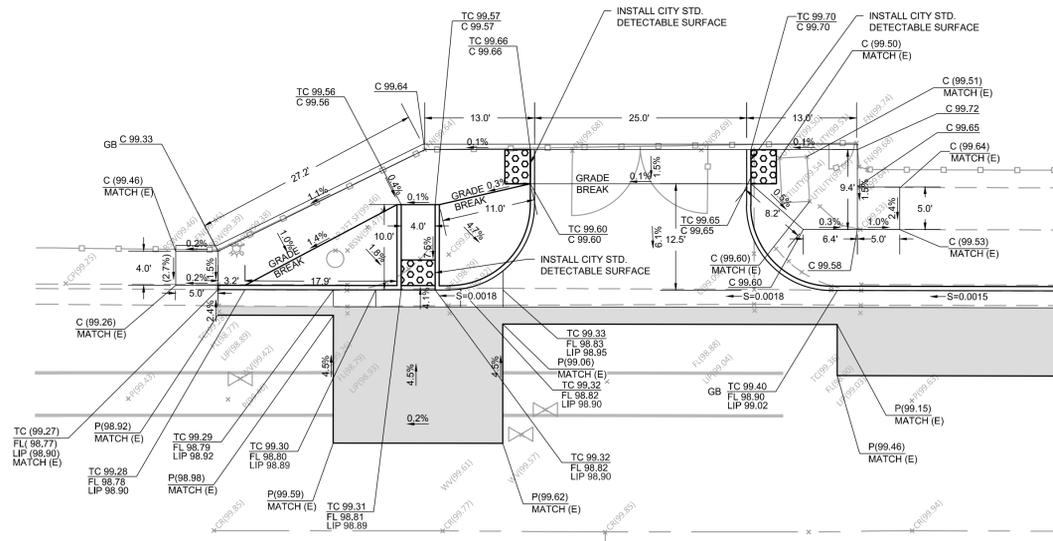
NO.	REVISIONS

SCALE: AS SHOWN  
JOB NO: 220-010  
DATE: 8/12/2020  
DRAWN: JA  
CHECKED: JA  
FILE: 22L\_017\_GRD.DWG





DETAIL 1 - RAMP  
SCALE: 1" = 10'



DETAIL 2 - RAMP  
SCALE: 1" = 10'



ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**  
SHEET TITLE:  
**SHERMAN AVENUE GRADING & DRAINING PLAN**

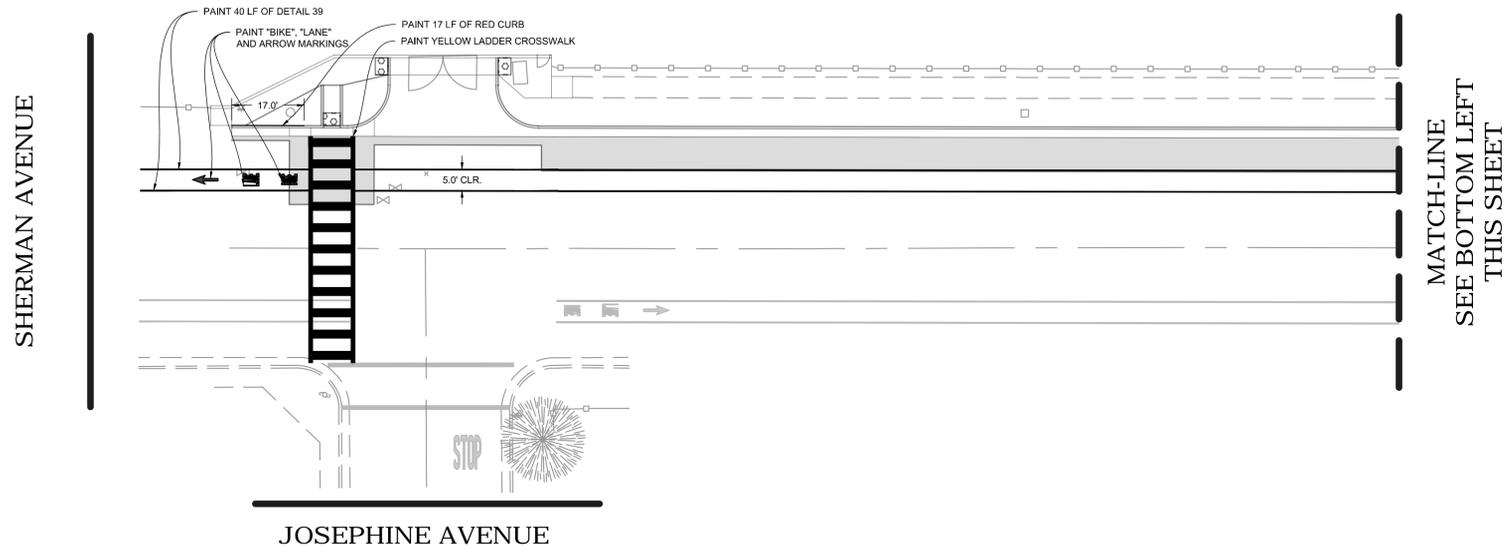
NO.	REVISIONS



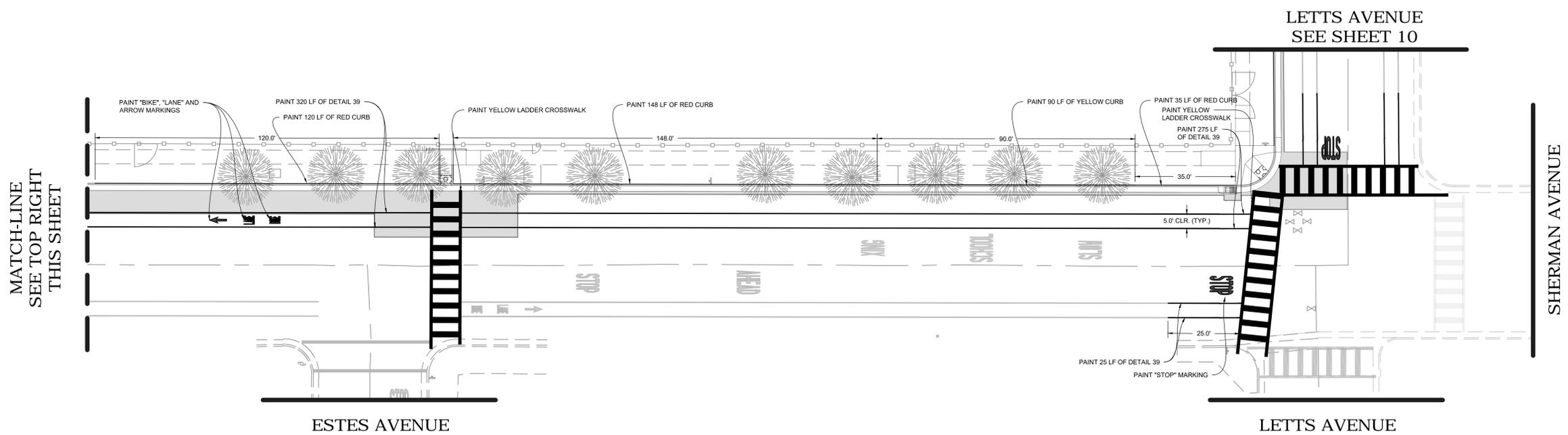
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DATE: 8/12/2020  
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DATE: 8/12/2020





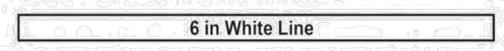


SHERMAN AVENUE (BASE BID)  
SCALE: 1" = 20'



SHERMAN AVENUE (BASE BID)  
SCALE: 1" = 20'

**DETAIL 39 - Bike Lane Line**



DETAIL 39- BIKE LANE LINE  
(N.T.S.)

**CONTRACTOR STRIPING NOTES**

ALL EXISTING PAVEMENT STRIPING & MARKINGS (CROSSWALKS, STOP BARS, STOP MARKING LEGENDS, CENTERLINE, ECT.) SHALL BE REPAINTED WHEN DISTURBED BY IMPROVEMENTS, UNLESS SPECIFIED OTHERWISE.

**SIGNING, STRIPING & MARKINGS NOTES**

1. ALL WORK AND MATERIALS SHALL CONFORM TO CALTRANS STANDARD PLANS (2015 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. NEW BIKE LANE STRIPING SHALL BE 5 FEET WIDE.
4. FOR CROSSWALK DETAILS, PLEASE REFER TO THE YELLOW LADDER CROSSWALK DETAILS ON SHEET 10

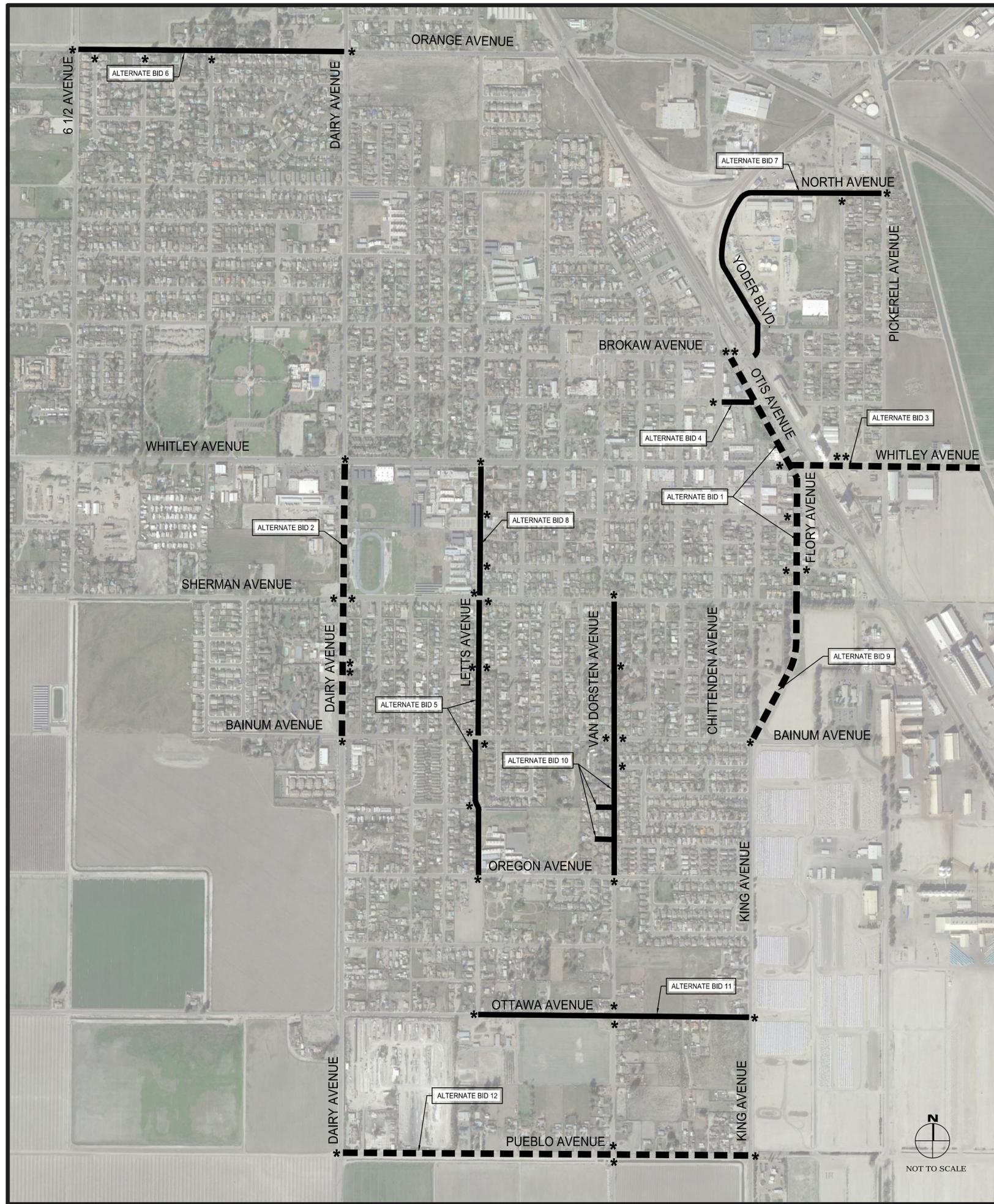


ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**  
SHEET TITLE:  
**SHERMAN AVENUE SIGNING, STRIPING & MARKING PLAN**

REVISIONS	NO.
SCALE: 1" = 20'	JOB NO: 220-010
	QA/QC: JA
	FILE: 220_017_SSM.MDWG
	DATE: 8/12/2020



SHEET NO.



ESTIMATED QUANTITIES (ALTERNATE BID 1)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
OTIS AVENUE	2773	38	105,374	11,708
ESTIMATED QUANTITIES (ALTERNATE BID 2)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
DAIRY AVENUE	2850	60	159,000	17,666
ESTIMATED QUANTITIES (ALTERNATE BID 3)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
WHITLEY AVENUE	1850	65	120,250	13,361
ESTIMATED QUANTITIES (ALTERNATE BID 4)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
HANNA AVENUE	320	50	16,000	178
ESTIMATED QUANTITIES (ALTERNATE BID 5)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
LETT'S AVENUE	2,633	34	89,522	9,936
ESTIMATED QUANTITIES (ALTERNATE BID 6)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
ORANGE AVENUE	2,603	34	88,502	9,823
ESTIMATED QUANTITIES (ALTERNATE BID 7)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
NORTH AVENUE/ YODER BLVD	3,061	32	97,952	10,882
ESTIMATED QUANTITIES (ALTERNATE BID 8)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
LETT'S AVENUE	1,260	44	55,440	6,153
ESTIMATED QUANTITIES (ALTERNATE BID 9)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
FLORY AVENUE	1,421	32	45,472	5,051
ESTIMATED QUANTITIES (ALTERNATE BID 10)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
VAN DORSTEN AVENUE	2,610	36	93,960	10,429
NUEVO AVENUE	210	36	7,560	840
GAGGOS STREET	210	36	7,560	840
ESTIMATED QUANTITIES (ALTERNATE BID 11)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
OTTAWA AVENUE	2,620	24	62,880	6,979
ESTIMATED QUANTITIES (ALTERNATE BID 12)				
ROAD	APPROX. LENGTH (FT)	AVERAGE WIDTH (FT)	AREA	
			SF	SY
PUEBLO AVENUE	3,883	26	100,958	11,206

MICRO-SURFACING SPREAD RATES		
TYPE	LOCATION	RANGE (LB OF DRY AGGREGATE/ SQ YD)
TYPE II, 0.15-0.20% FIBERIZED MICRO SURFACING (BLACK ROCK)	FULL LANE WIDTH	10 - 20
TYPE III, 0.15-0.20% FIBERIZED MICRO SURFACING (BLACK ROCK)	FULL LANE WIDTH	20 - 32

**ALTERNATE BID DESCRIPTIONS**

- ALTERNATE BID 1**  
OTIS AVENUE AND FLORY AVENUE FROM BROKAW AVENUE TO SHERMAN AVENUE
- ALTERNATE BID 2**  
DAIRY AVENUE FROM WHITLEY AVENUE TO BAINUM AVENUE
- ALTERNATE BID 3**  
WHITLEY AVENUE FROM FLORY AVENUE TO CANAL BRIDGE
- ALTERNATE BID 4**  
HANNA AVENUE FROM CHITTENDEN AVENUE TO OTIS AVENUE
- ALTERNATE BID 5**  
LETT'S AVENUE FROM OREGON AVENUE TO SHERMAN AVENUE
- ALTERNATE BID 6**  
ORANGE AVENUE FROM 6 1/2 AVENUE TO DAIRY AVENUE
- ALTERNATE BID 7**  
NORTH AVENUE/ YODER BLVD FROM PICKERELL AVENUE TO BROKAW AVENUE
- ALTERNATE BID 8**  
LETT'S AVENUE FROM WHITLEY AVENUE TO SHERMAN AVENUE
- ALTERNATE BID 9**  
FLORY AVENUE FROM SHERMAN AVENUE TO BAINUM AVENUE
- ALTERNATE BID 10**  
VAN DORSTEN AVENUE FROM SHERMAN AVENUE TO OREGON AVENUE, INCLUDING CUL-DE-SACS NUEVO AVENUE & GAGGOS STREET
- ALTERNATE BID 11**  
OTTAWA AVENUE FROM LETT'S AVENUE TO KING AVENUE
- ALTERNATE BID 12**  
PUEBLO AVENUE FROM DAIRY AVENUE TO KING AVENUE

**LEGEND**

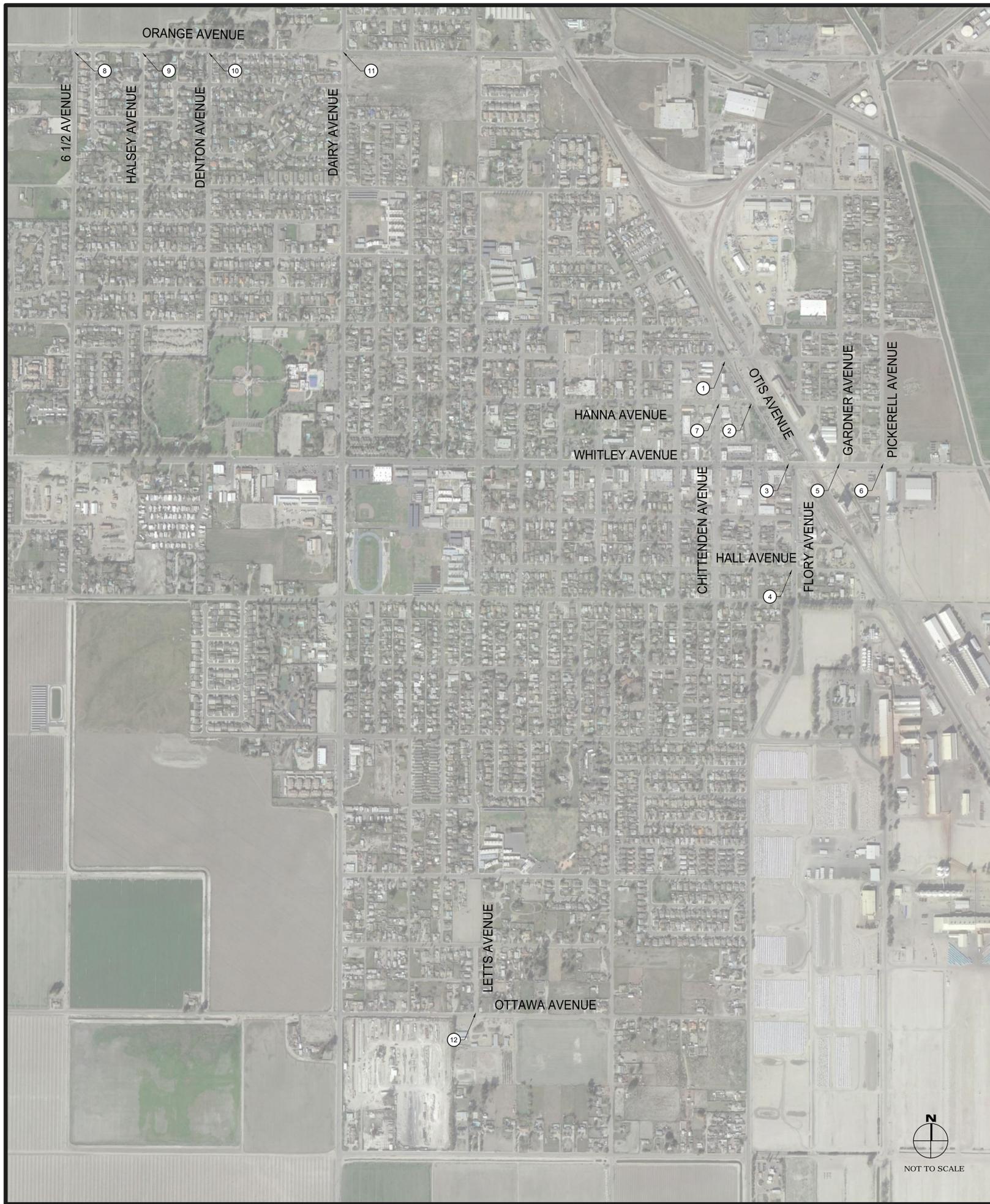
- LIMITS OF TYPE II OVER TYPE III (0.15 TO 0.20%) FIBERIZED MICRO-SURFACE PAVEMENT TREATMENT WITH BLACK ROCK
- LIMITS OF TYPE II (0.15 TO 0.20%) FIBERIZED MICRO-SURFACE PAVEMENT TREATMENT WITH BLACK ROCK
- \* SEE TYPICAL MICRO SURFACING TRANSITION DETAIL. (SEE SHEET 21)
- \*\* SEE TYPICAL MICRO SURFACING LIMIT AT CROSS GUTTER DETAIL. (SEE SHEET 21)

ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**  
SHEET TITLE:  
**ALTERNATE BID IMPROVEMENT LOCATIONS**

REVISIONS  
NO. \_\_\_\_\_

AS SHOWN  
SCALE: 210'-0"  
JOB NO: 210-010  
DATE: 8/12/2020  
QA/QC: JA  
FILE: COVER\_SHEET.DWG  
DATE: 8/12/2020

SHEET NO.  
**12**  
OF 21



**GRINDING NOTES**

1. ALL MICRO GRINDING SHALL BE 5 FEET WIDE.
2. EXISTING PAVEMENT SHALL BE GRINDED TO BE FLUSH WITH EXISTING LIP OF GUTTER. SEE MICRO-GRINDING DETAILS (THIS SHEET).
3. LENGTH OF MICRO-GRINDING SECTIONS SHALL BE FROM BEGINNING OF CURVATURE OF GUTTER PAN OF ROADWAY TO BE RESURFACED TO THE END OF CURVATURE OF THE GUTTER PAN ON THE INTERSECTING ROADWAY.
4. WHERE CROSS-GUTTERS EXIST, THE LENGTH OF THE MICRO-GRINDING SECTIONS SHALL BE FOR THE WIDTH OF THE INTERSECTION AND PARALLEL TO THE CROSS-GUTTER.

**GRINDING LOCATION NOTES**

**ALTERNATE BID 1**

1. GRIND SOUTHWEST CORNER OF BROKAW AVE & OTIS AVE, PER GRINDING DETAILS (THIS SHEET)
2. GRIND NORTHWEST AND SOUTHWEST CORNER OF HANNA AVE & OTIS AVE, PER GRINDING DETAILS (THIS SHEET)
3. GRIND NORTHEAST, NORTHWEST, AND SOUTHWEST CORNERS OF WHITLEY AVE & OTIS AVE, PER GRINDING DETAILS (THIS SHEET)
4. GRIND NORTHEAST, SOUTHEAST, AND SOUTHWEST CORNERS OF FLORY AVE & HALL AVE, PER GRINDING DETAILS (THIS SHEET)

**ALTERNATE BID 3**

5. GRIND ALONG CROSS GUTTER ON THE NORTH SIDE OF THE INTERSECTION OF WHITLEY AVE & GARDNER AVE, PER GRINDING DETAILS (THIS SHEET)
6. GRIND NORTHEAST CORNER OF WHITLEY AVE & PICKERELL AVE, PER GRINDING DETAILS (THIS SHEET)

**ALTERNATE BID 4**

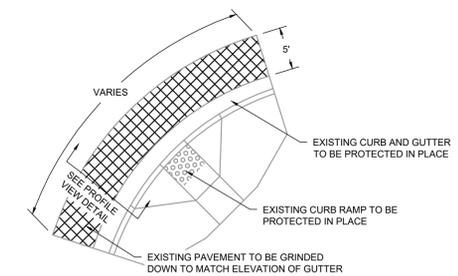
7. GRIND SOUTHEAST CORNER OF HANNA AVE & CHITTENDEN AVE, PER GRINDING DETAILS (THIS SHEET)

**ALTERNATE BID 6**

8. GRIND SOUTHEAST CORNER OF ORANGE AVE & 6 1/2 AVE, PER GRINDING DETAILS (THIS SHEET)
9. GRIND SOUTHEAST AND SOUTHWEST CORNERS OF ORANGE AVE & HALSEY AVE, PER GRINDING DETAILS (THIS SHEET)
10. GRIND SOUTHEAST CORNER OF ORANGE AVE & DENTON AVE, PER GRINDING DETAILS (THIS SHEET)
11. GRIND SOUTHEAST CORNER OF ORANGE AVE & DAIRY AVE, PER GRINDING DETAILS (THIS SHEET)

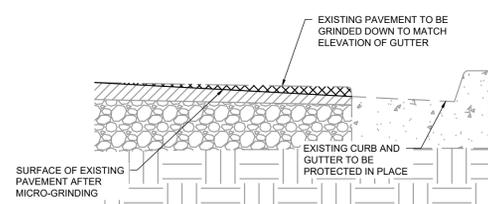
**ALTERNATE BID 11**

12. GRIND NORTHWEST CORNER OF OTTAWA AVE & LETTS AVE, PER GRINDING DETAILS (THIS SHEET)



**TYP. RAMP GRINDING DETAIL (PLAN VIEW)**

NOT TO SCALE



**TYP. GRINDING DETAIL (PROFILE VIEW)**

NOT TO SCALE



ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**

SHEET TITLE:

**ALTERNATE BID GRINDING LOCATIONS**

REVISIONS

NO.

SCALE: AS SHOWN  
JOB NO: 210-010  
QA/QC: JA  
FILE: GRINDING LOCATIONS.DWG  
DATE: 8/12/2020

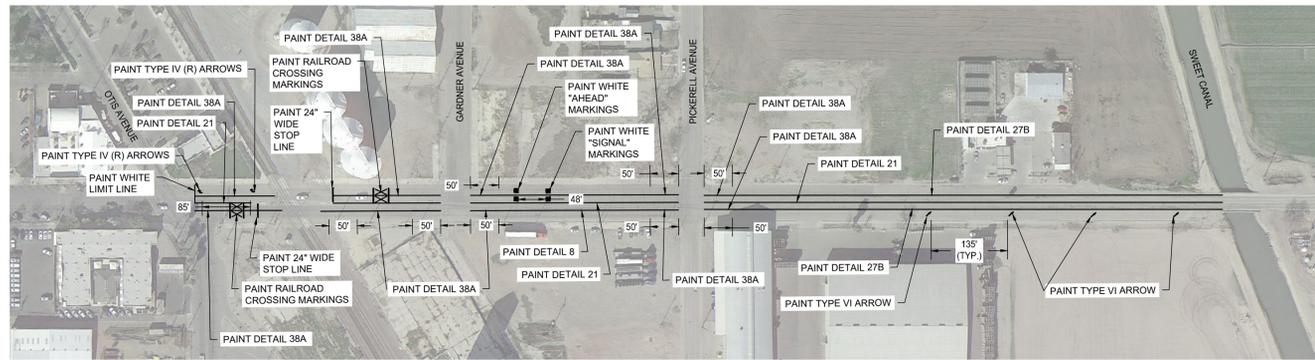


SHEET NO.

**13**

OF 21





**WHITLEY AVENUE - PLAN VIEW (BID ADDITIVE 3)**  
SCALE: N.T.S.



**HANNA AVENUE - PLAN VIEW (BID ADDITIVE 4)**  
SCALE: N.T.S.



**LETTS AVENUE - PLAN VIEW (BID ADDITIVE 5)**  
SCALE: N.T.S.



**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 TELES PAR 20P12-2, 12 GAUGE POST(S) WITH QUICK PUNCH HOLES, TELES PAR 25K-12-S-2.4 ANCHORS AND TELES PAR 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 ON THE YELLOW SCHOOL CROSSWALK SHALL BE 10 FEET WITH HIGH VISIBILITY 24\"/>



ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**  
SHEET TITLE:  
**ALTERNATE BIDS 3, 4 & 5 SIGNING, STRIPING & MARKING PLAN**

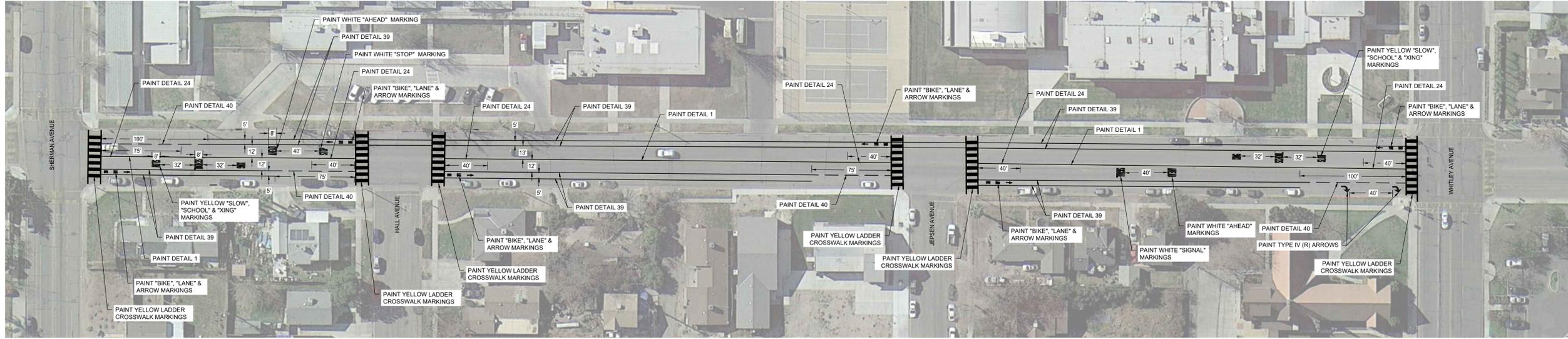
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AS SHOWN	1
JOB NO: 210-010	JA
QA/QC:	FILE: ALT_BIDS_SSM_PLAN.DWG
DATE:	8/12/2020





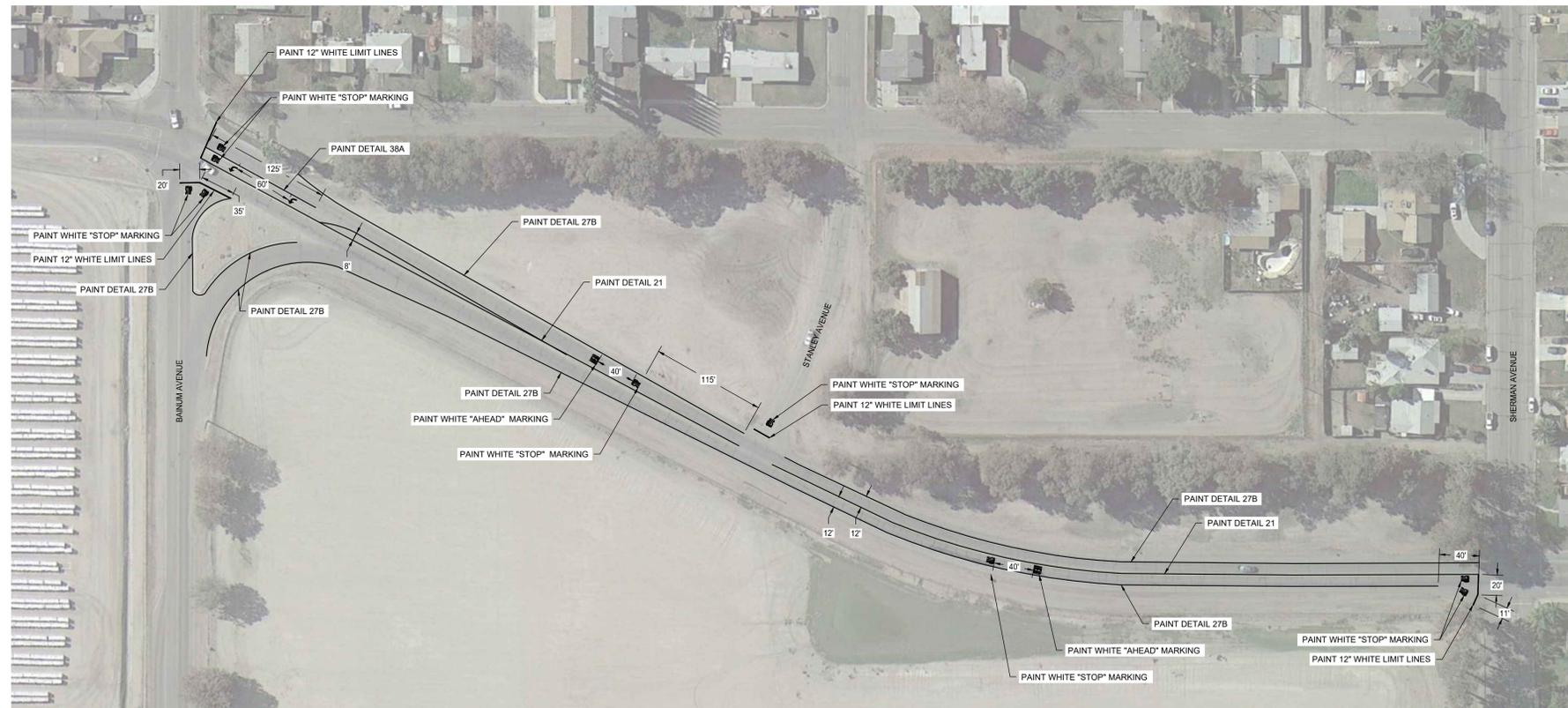
**SIGNING, STRIPING & MARKING NOTES**

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 TELES PAR 20F12-2, 12 GAUGE POST(S) WITH QUICK PUNCH HOLES, TELES PAR 25K-12-S-2.4 ANCHORS AND TELES PAR 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 ON THE YELLOW SCHOOL CROSSWALK SHALL BE 10 FEET WITH HIGH VISIBILITY 24" LADDER PATTERN AS SHOWN ON THE PLANS.



**LETT'S AVENUE - PLAN VIEW (BID ADDITIVE 8)**

SCALE: N.T.S.



**FLORY AVENUE - PLAN VIEW (BID ADDITIVE 9)**

SCALE: N.T.S.



ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**

SHEET TITLE:  
**ALTERNATE BIDS 8 & 9 SIGNING, STRIPING & MARKING PLAN**

REVISIONS

NO.

AS SHOWN  
JOB NO: 2110-010  
DATE: 8/12/2020  
FILE: ALT\_BIDS\_SSM\_PLAN.DWG  
DATE: 8/12/2020



SHEET NO.

**17**

OF 21

**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).
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**VAN DORSTEN AVENUE - PLAN VIEW (BID ADDITIVE 10)**  
SCALE: N.T.S.



**NUEVO AVENUE - PLAN VIEW (BID ADDITIVE 10)**  
SCALE: N.T.S.



**GAGGOS STREET - PLAN VIEW (BID ADDITIVE 10)**  
SCALE: N.T.S.



ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**

SHEET TITLE:  
**ALTERNATE BID 10 SIGNING, STRIPING & MARKING PLAN**

REVISIONS

NO.

AS SHOWN  
JOB NO: 2110-010  
QA/QC: JA  
FILE: ALT\_BIDS\_SSM\_PLAN.DWG  
DATE: 8/12/2020



SHEET NO.

**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).
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**OTTOWA AVENUE - PLAN VIEW (BID ADDITIVE 11)**

SCALE: N.T.S.



**PUEBLO AVENUE - PLAN VIEW (BID ADDITIVE 12)**

SCALE: N.T.S.



ENGINEERING PLANS FOR:  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**  
 SHEET TITLE:  
**ALTERNATE BIDS 11 & 12 SIGNING, STRIPING & MARKING PLAN**

REVISIONS	NO.
AS SHOWN	2110-010
ON/OC: JA	FILE: ALT_BIDS_SSM_PLAN.DWG
DATE: 8/12/2020	

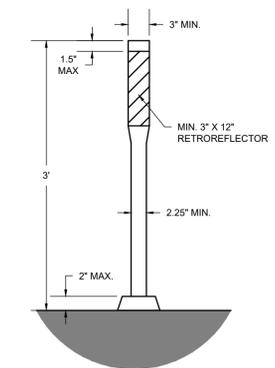


SHEET NO.



### SIGNING, STRIPING & MARKINGS 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).
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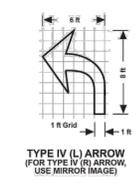
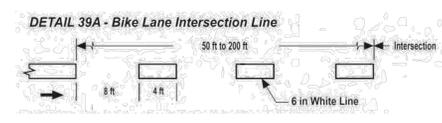
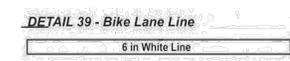
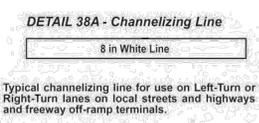
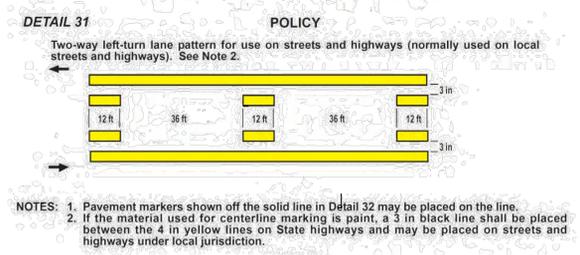
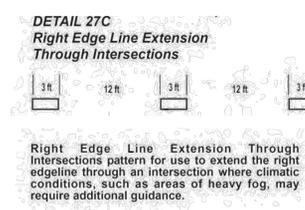
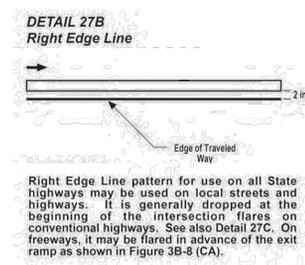
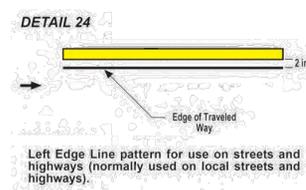
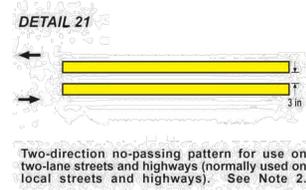
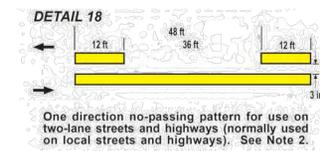
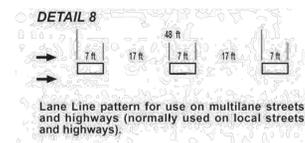
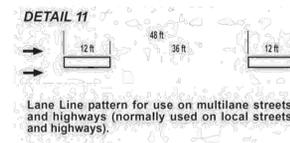
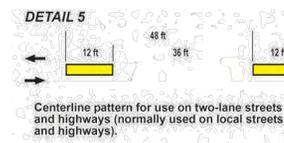
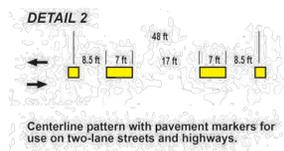
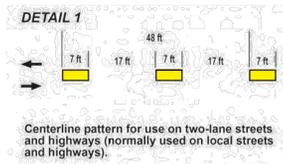
DETAIL 1 - DELINEATOR  
NOT TO SCALE



ENGINEERING PLANS FOR  
**2020 MICRO-SURFACING & STREET IMPROVEMENTS**  
 SHEET TITLE:  
**ALTERNATE BID 13 SIGNING, STRIPING & MARKING PLAN**

REVISIONS	NO.
AS SHOWN	
JOB NO: 210-010	
DATE: 8/12/2020	
SCALE: AS SHOWN	
FILE: OTIS SSM PLAN.DWG	
DATE: 8/12/2020	

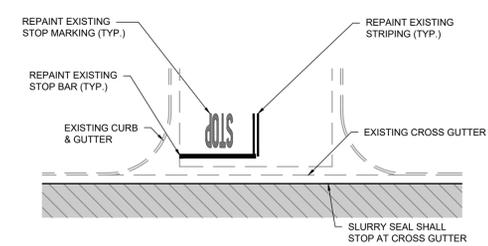




**LEGEND**

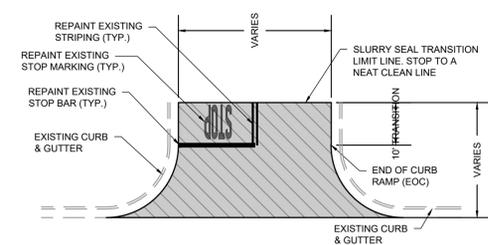
- 4 in Yellow
- Two-Way Yellow Retroreflective Markers
- Direction of Travel
- Non-Retroreflective Yellow Markers
- 4 in White
- One-Way Clear Retroreflective Markers
- Direction of Travel
- Red-Clear Retroreflective Markers

- NOTE:**
- MIRCO SURFACING PAVEMENT TREATMENT TO STOP AT CROSS GUTTER AS SHOWN BELOW.
  - 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**  
 SCALE: N.T.S.

- NOTE:**
- MIRCO SURFACING PAVEMENT TREATMENT TO EXTEND 10' BEYOND THE END OF RAMP AS SHOWN BELOW.
  - 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.



REVISIONS

NO.

AS SHOWN  
 JOB NO: 210-010  
 ON/OC: JA  
 FILE: SSM PLAN.DWG  
 DATE: 8/12/2020



SHEET NO.