

**LEGEND**

	EXISTING	PROPOSED
COMMUNICATIONS LINE	— COM —	
OVERHEAD UTILITY LINE	— OHL —	
POWER POLE		
SERVICE POLE		
STREET LIGHT		
GAS VALVE		
GAS LINE	— G —	
WATER METER		
SEWER CLEAN OUT		
SANITARY SEWER MANHOLE		
STORM DRAIN MANHOLE		
DRAIN INLET		
STREET SIGN		
MONUMENT WELL		
CONTOUR ELEVATION	109.50	
SPOT ELEVATION	97.60	AC
SAWCUT LINE		
FIRE HYDRANT		
WATER VALVE		
ASPHALT CONCRETE		
CONCRETE		

FOR CLARITY PURPOSES SYMBOLS SHOWN IN THE LEGEND MAY APPEAR SMALLER THAN SHOWN ON THE PLANS.

**BENCHMARK**

VERTICAL AND HORIZONTAL DATUM:

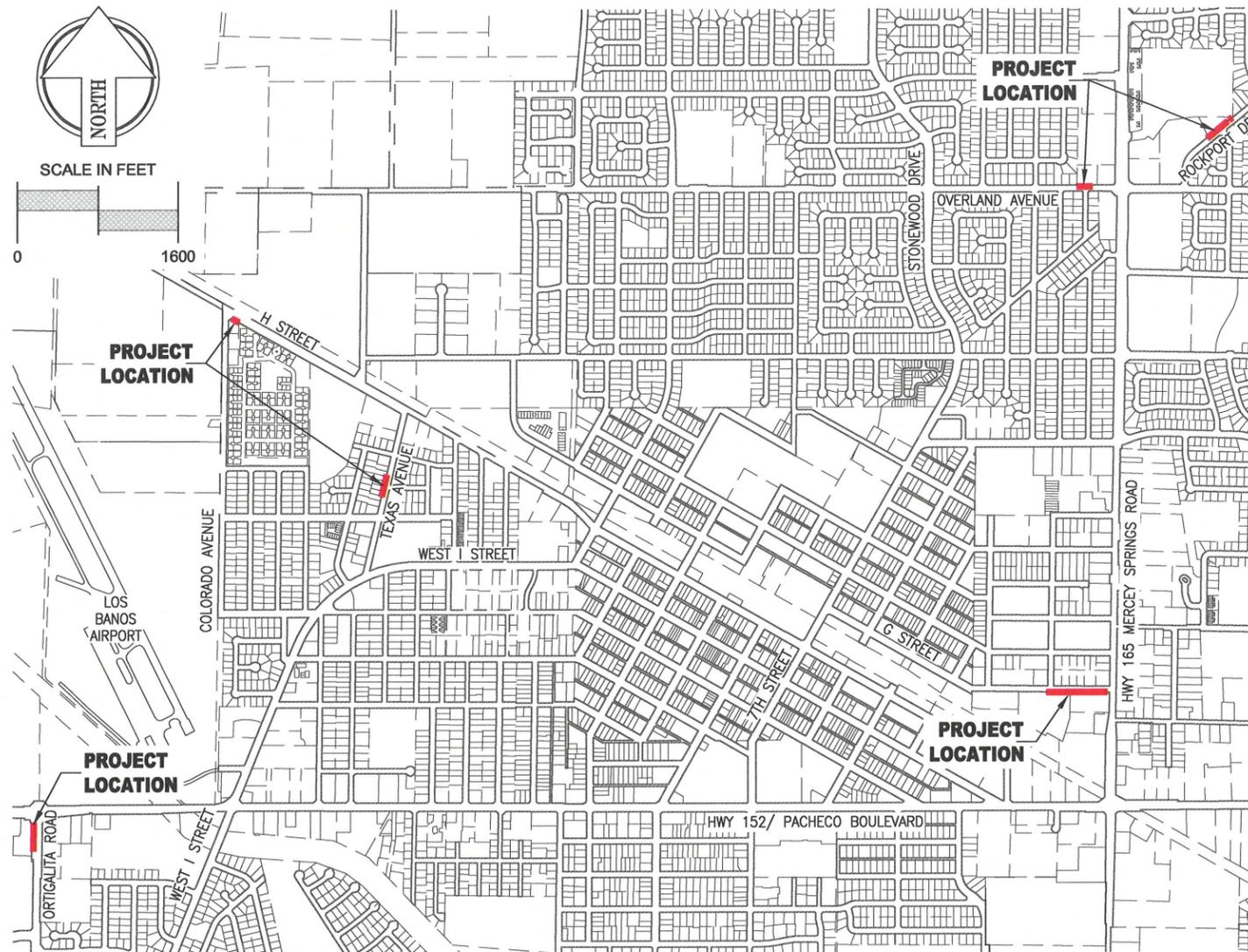
VERTICAL AND HORIZONTAL DATUM INFORMATION WAS TAKEN FROM THE NGS DATA SHEET FOR PID HS126.  
 VERTICAL DATUM: NAVD88  
 ELEVATION: 120.96'  
 HORIZONTAL DATUM: NAD83-2011, CALIFORNIA SPCS, ZONE 3

DESCRIPTION: STATION IS LOCATED ON THE EAST SIDE OF LOS BANOS, AT THE LOS BANOS MUNICIPAL AIRPORT, IN THE MEDIAN OF THE RUNWAY AND THE PARALLEL TAXI, NEAR THE FRONT VASI FOR RUNWAY 32. TO REACH THE JUNCTION OF STATE HIGHWAY 152 AND WEST I STREET ON THE WEST SIDE OF LOS BANOS, GO NORTHEAST ON WEST I STREET FOR 0.06 MI TO A PAVED ROAD LEFT. TURN LEFT, SOUTHWEST, ON PAVED ROAD FOR 0.25 MI TO A LOCKED GATE ON THE RIGHT. TURN RIGHT, NORTHEAST, THROUGH GATE, PASSING TO RIGHT OF FUEL PUMPS, ACROSS APRON FOR 0.05 MI TO THE PARALLEL TAXI. TURN LEFT, NORTHWEST, ON TAXI FOR 0.06 MI TO THE STATION ON THE RIGHT. STATION MARK IS SET IN THE TOP OF A 30-CM ROUND CONCRETE POST FLUSH WITH THE GROUND ON A SLIGHT HUMP IN A BARE AREA. IT IS 142.1 FT SOUTHWEST OF THE RUNWAY CENTER, 103.3 FT NORTHEAST OF THE EDGE OF THE APRON/TAXI, 26.6 FT SOUTHWEST OF THE SOUTH CORNER OF THE CONCRETE PAD FOR THE OUTBOARD VASI, 73.8 FT NORTHWEST OF THE EXTENDED SOUTHEAST WALL OF A HANGAR AND 1.3 FT NORTHWEST OF A FIBERGLASS WITNESS POST.

**PROJECT PLANS FOR CONSTRUCTION OF  
 Construct Infill Sidewalk Improvements  
 FEDERAL PROJECT NUMBER: CML-5160(027)**



**CITY OF LOS BANOS**



**INDEX OF DRAWINGS**

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2	PROJECT NOTES AND SHEET KEY
3	OVERLAND AVENUE IMPROVEMENTS STA: 10+00 TO 13+00
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6	TEXAS AVENUE IMPROVEMENTS STA: 10+00 TO 13+00
7	ORTIGALITA ROAD IMPROVEMENTS STA: 10+00 TO 13+50
8	G STREET IMPROVEMENTS STA: 10+00 TO 14+30
9	G STREET IMPROVEMENTS STA: 14+30 TO 16+40
10	CONCRETE AND PAVEMENT CONSTRUCTION DETAILS
11	DRIVEWAY AND RAMP CONSTRUCTION DETAILS
12	TRAFFIC CONTROL AND SIGN DETAILS

**UTILITY CONTACTS**

PG&E-	STEVE MURPHY 3185 M STREET MERCED, CA 95348	MAIN (209) 726-6338 CELL (209) 363-2216
AT&T-	TROY BRANIFF 1860 W WARDROBE AVE MERCED, CA 95341	MAIN (209) 726-7137



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Plan sheets in this plan set are full size when printed on 11x17 size sheets without an exaggeration. The bar scale should be used to check plan sheet scale.

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**City of Los Banos**  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**LOCATION MAP AND INDEX OF DRAWINGS**

DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-101</b>
DRAWN BY DGR	DATE 07/17/19	SHEET <b>1</b>
CHECKED BY M. Gouveia	DATE 07/24/19	OF 12 SHEETS
APPROVED M. Gouveia	DATE 07/24/19	PROJECT NUMBER 845.04



**SHEET KEY**

SCALE IN FEET



**GENERAL NOTES**

1. PROJECT WORK HOURS ARE:  
MON - FRI 7AM - 5PM
2. THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS".
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN ENCROACHMENT PERMIT FROM CALTRANS PRIOR TO PERFORMING ANY WORK.
4. SURVEY MONUMENTS ARE NOT LOCATED AS PART OF THE USA CALL BEFORE YOU DIG PROCESS. THE PROJECT SURVEYOR SHALL LOCATE AND MARK THE MONUMENTS WITHIN THE PROJECT ENVELOPE FOR PRESERVATION.
5. PURSUANT TO SECTION 8771 OF THE CALIFORNIA BUSINESS AND PROFESSIONALS CODE, THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND PRESERVATION OF ANY MONUMENTATION FOUND WITHIN OR ADJACENT TO THE PROJECT IMPROVEMENTS. IF PROJECT IMPROVEMENTS ENCROACH UPON AN AREA WHERE MONUMENTATION IS PRESENT, THE ENGINEER OF RECORD MUST BE CONTACTED AND THE MONUMENT MUST BE PROTECTED AND REMAIN UNDISTURBED BY CONSTRUCTION ACTIVITIES. IF AN EXISTING MONUMENT IS DISTURBED DURING CONSTRUCTION, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS RELATED TO RESTORATION OF THE MONUMENT INCLUDING THE DOCUMENTATION, RECORDATION, AND RESETTING OF THE MONUMENT (IF REQUIRED) BY THE ENGINEER OF RECORD.
6. EXISTING UTILITY LOCATIONS ARE SHOWN BASED ON USA MARKINGS COLLECTED IN THE FIELD AND RECORD INFORMATION. ACTUAL BUILT LOCATIONS MAY VARY. THE ENGINEER DOES NOT GUARANTEE THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE PLANS TO BE EITHER TRUE OR EXACT. THE CONTRACTOR SHALL VERIFY ACTUAL DEPTH AND EXACT LOCATION OF EXISTING UTILITIES PRIOR TO EXCAVATION ACTIVITIES. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHILE EXCAVATING IN AREAS NEAR NATURAL GAS, TV, PHONE, AND OTHER EXISTING UTILITIES AND IS RESPONSIBLE FOR ALL COSTS RELATED TO DAMAGED LINES OR DISRUPTION OF SERVICE CAUSED BY ANY ACTIVITIES AS THEY RELATE TO THIS PROJECT.
7. THE CONTRACTOR SHALL BE AWARE OF EXISTING OVERHEAD UTILITY LINES AND SHALL EXERCISE CAUTION WHILE WORKING NEAR SUCH LINES. OVERHEAD UTILITY LINES HAVE BEEN OMITTED FROM PLANS FOR CLARITY PURPOSES.
8. THE CONTRACTOR SHALL EXERCISE CARE TO MINIMIZE DAMAGE TO FACILITIES ADJACENT TO PROJECT IMPROVEMENTS SUCH AS EQUIPMENT, FENCING, CONCRETE FLATWORK, LANDSCAPING, LANDSCAPE IRRIGATION, ECT., DESIGNATED TO REMAIN. ANY FACILITIES DAMAGED BY THE CONTRACTOR SHALL BE RESTORED IN KIND AT NO COST TO THE CITY TO THEIR ORIGINAL PRE-CONSTRUCTION CONDITION OR BETTER. DISTURBED AND DAMAGED SURFACES SHALL BE RESTORED AFTER ALL CONSTRUCTION IS COMPLETE AND PRIOR TO CITY ACCEPTANCE.
9. IF EXISTING SPRINKLERS NEED TO BE REMOVED, RELOCATED, OR ARE DAMAGED AS A DIRECT OR INDIRECT RESULT OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CAP AND FLAG THE SPRINKLER LINE BEHIND THE PROPOSED IMPROVEMENTS, AND SHALL RESTORE THE SYSTEM TO ITS PRE-CONSTRUCTION CONDITION AS SOON AS POSSIBLE IN ORDER TO MINIMIZE DOWN TIME AND DAMAGE TO LANDSCAPING AND AT NO ADDITIONAL COST TO THE CITY. IF THE CONTRACTOR DOES NOT REPAIR THE SYSTEM IN A TIMELY MANNER, THE OWNER MAY HAVE THE SYSTEM REPAIRED, AND THE COST WILL BE BACK CHARGED TO THE CONTRACTOR.
10. IN INSTANCES WHERE THE CONSTRUCTION OF IMPROVEMENTS OR THE RESTORATION OF THE PAVEMENT IMPACTS ADJACENT FACILITIES SUCH AS EXISTING UTILITY FRAMES AND COVERS, THOSE FACILITIES SHALL REMAIN IN PLACE AND BE PROTECTED. IF LID OR FRAME ADJUSTMENTS ARE REQUIRED THE FACILITY WILL BE BLOCKED OUT AND THE UTILITY OWNER WILL ADJUST THE UTILITY AT A LATER DATE.
11. IN INSTANCES WHERE THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS EFFECTS EXISTING GRASS OR SOD AREAS THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING THOSE AREAS WITH NEW SOD (SPECIES TO MATCH EXISTING). RESEEDING OR HYDROSEEDING THE AREA WILL NOT BE ACCEPTABLE. NEW REPLACEMENT SOD WILL BE INSTALLED AT NO ADDITIONAL COST TO THE CITY.
12. THE CONTRACTOR SHALL MAINTAIN WATER SERVICE TO BUSINESSES AND RESIDENTS AT ALL TIMES. IF A SHUTDOWN IS REQUIRED, SHUTDOWNS SHALL BE COORDINATED WITH THE CITY PUBLIC WORKS DEPARTMENT AND THE EFFECTED CUSTOMER(S) AT LEAST 2 FULL BUSINESS DAYS IN ADVANCE.

**GENERAL NOTES (Continued)**

13. AT THE END OF EACH DAY OR AS DIRECTED BY THE OWNER, THE CONTRACTOR SHALL SWEEP ROADWAYS OF ALL DEBRIS AND EXCESS MATERIAL ATTRIBUTED TO THE CONTRACTOR'S OPERATIONS. UNLESS OTHERWISE APPROVED BY THE OWNER, MECHANICAL STREET SWEEPERS WITHOUT DEBRIS STORAGE COMPARTMENTS WILL NOT BE ALLOWED.
14. UNLESS OTHERWISE APPROVED BY THE OWNER, TARPS OR OTHER EFFECTIVE COVERS ARE REQUIRED ON ALL STOCKPILED MATERIAL AND ON ALL HAUL TRUCKS TO MINIMIZE DUST.
15. UTILITY CONFLICTS ARE TO BE WORKED OUT IN THE FIELD WITH THE PROJECT ENGINEER AND CITY REPRESENTATIVE.
16. CONTRACTOR IS RESPONSIBLE FOR REMOVING EXISTING GRASS, TREES, PLANTS, ALL TREE STUMPS, ALL ROOTS, AND ALL OTHER SURFACE AND SUBSURFACE DELETERIOUS MATERIALS AS REQUIRED FOR CONSTRUCTION.

**TRAFFIC MANAGEMENT AND DETOUR NOTES**

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CALTRANS ENCROACHMENT PERMIT FOR ANY TRAFFIC CONTROL DEVICES BEING INSTALLED WITHIN THE STATE RIGHT OF WAY PRIOR TO BEGINNING ANY CONSTRUCTION WORK. THE COST OF THIS PERMIT WILL BE AT NO ADDITIONAL COST TO THE OWNER.
2. THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL EFFORTS IN ACCORDANCE WITH THE APPROVED TRAFFIC CONTROL PLAN WITH THE PUBLIC WORKS DEPARTMENT, AND THE ENGINEER OF RECORD DURING THE CONSTRUCTION OF THE PROJECT.
3. THE CONTRACTOR IS REQUIRED TO MAINTAIN EMERGENCY VEHICLE ACCESS THROUGH THE PROJECT AREA AT ALL TIMES.
4. ALL SIGNS AND TRAFFIC CONTROL DEVICES BEING USED SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE MUTCD. THE EXACT LOCATIONS OF SIGNS SHALL BE DETERMINED BY THE CITY OF LOS BANOS AND/OR CALTRANS FIELD ENGINEER.
5. THE CONTRACTOR SHALL HAVE ALL SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY PLACED PRIOR TO COMMENCING CONSTRUCTION AND SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING THE TRAFFIC CONTROL DEVICES BEING IMPLEMENTED THROUGHOUT THE CONSTRUCTION OF THE PROJECT.
6. WHEN WORK IS NOT BEING PERFORMED, ALL ROADWAYS SHALL BE RETURNED TO THEIR FULL TRAFFIC USAGE BY PLATING OPEN TRENCHES AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES USED FOR TRAFFIC CONTROL OR DETOUR.
7. REFLECTIVE TABS ARE NOT ACCEPTABLE TO BE USED AS TEMPORARY DELINEATION DEVICES.
8. THE CONTRACTOR SHALL DIRECT PEDESTRIANS TO USE ALTERNATE ROUTES WHILE CONSTRUCTION IS TAKING PLACE WITHIN PEDESTRIAN ROUTES.
9. THE CONTRACTOR SHALL NOTIFY ALL OWNERS WITHIN THE AFFECTED AREA AT LEAST 2 FULL BUSINESS DAYS PRIOR TO ANY ROAD CLOSURE.
10. ANY PROPOSED CHANGES TO THE APPROVED TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY OF LOS BANOS PRIOR TO IMPLEMENTATION.



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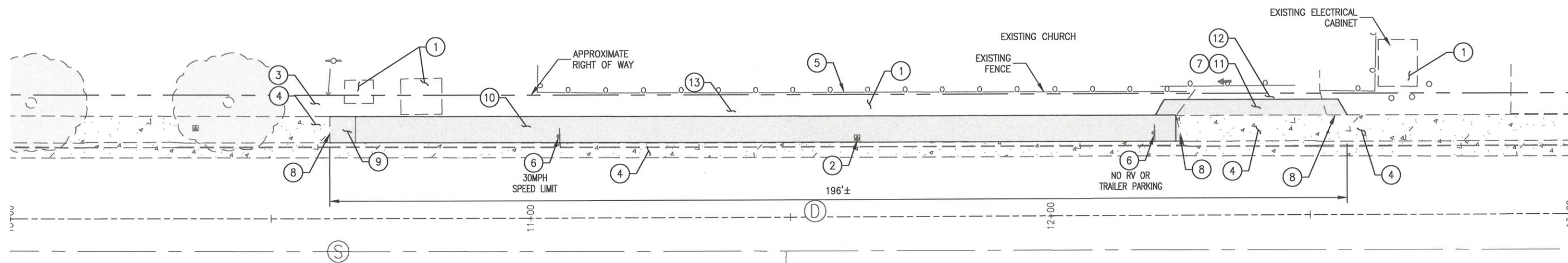


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**City of Los Banos**  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**PROJECT NOTES AND SHEET KEY**

DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-102</b>
DRAWN BY DGR	DATE 07/17/19	SHEET <b>2</b>
CHECKED BY M. Gouveia	DATE 07/24/19	OF 12 SHEETS
APPROVED M. Gouveia	DATE 07/24/19	PROJECT NUMBER 845.04



**CONSTRUCTION NOTES**

- ① LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.
- ② EXISTING UTILITY BOX(ES) TO REMAIN IN PLACE AND BE PROTECTED. (REFER TO GENERAL NOTE 10 ON SHEET 2)
- ③ EXISTING GRASS AND LANDSCAPING TO REMAIN IN PLACE AND BE PROTECTED.
- ④ EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.
- ⑤ EXISTING FENCING TO REMAIN IN PLACE AND BE PROTECTED.
- ⑥ EXISTING STREET SIGN TO REMAIN IN PLACE AND BE PROTECTED.
- ⑦ SAWCUT AND REMOVE EXISTING AC AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.
- ⑧ ABUTTING CONCRETE EDGE SHALL HAVE A CLEAN SAWCUT EDGE AND BE PREPARED FOR DOWELING.
- ⑨ CONSTRUCT SIDEWALK TRANSITION TO MATCH EXISTING SIDEWALK PROVIDE A SMOOTH TRANSITION BETWEEN IMPROVEMENTS.
- ⑩ CONSTRUCT 5' WIDE INTEGRAL CONCRETE SIDEWALK SECTION TIED INTO EXISTING SIDEWALK WITH 2 DOWELS ON EITHER SIDE. MEET AND MATCH EXISTING IMPROVEMENTS ON EITHER SIDE. DOWEL INTO EXISTING CURB AND GUTTER.
- ⑪ CONSTRUCT 3' WIDE WRAP AROUND SIDEWALK. PROVIDE A SMOOTH TRANSITION BETWEEN IMPROVEMENTS.
- ⑫ CONSTRUCT AC PAVEMENT TRANSITION TO MATCH EXISTING AC PAVEMENT PROVIDE A SMOOTH TRANSITION BETWEEN SURFACES.
- ⑬ GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.

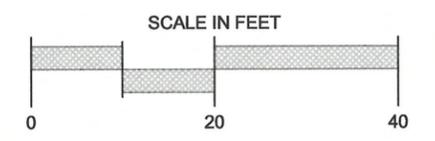
REFERENCE  
DETAIL

- ④/10
- ④/10
- ④/10
- ④/10
- ③/11



**OVERLAND AVENUE**

STATION 10+00 - 13+00



**ESTIMATED QUANTITIES**

CONSTRUCT SIDEWALK ..... 896 SF



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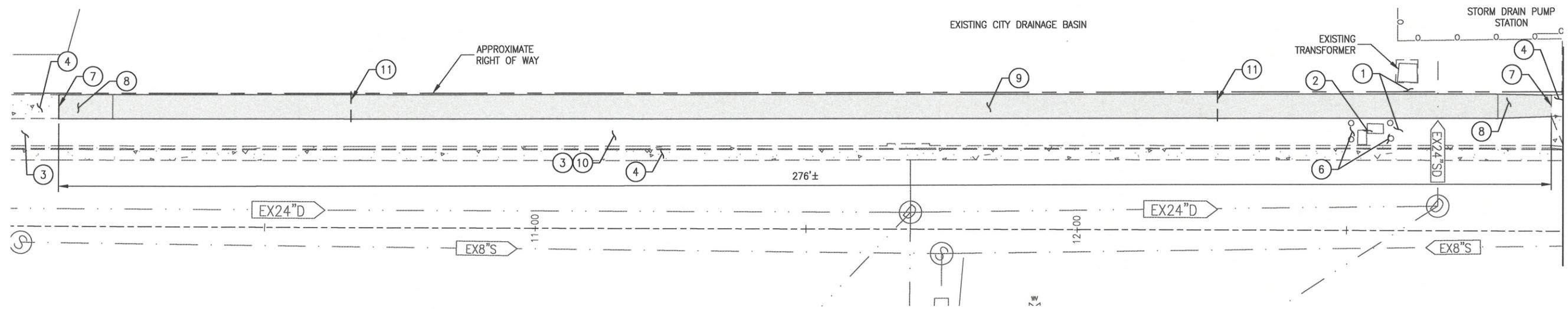
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**City of Los Banos**  
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**OVERLAND AVENUE IMPROVEMENTS**  
**STA: 10+00 to 13+00**

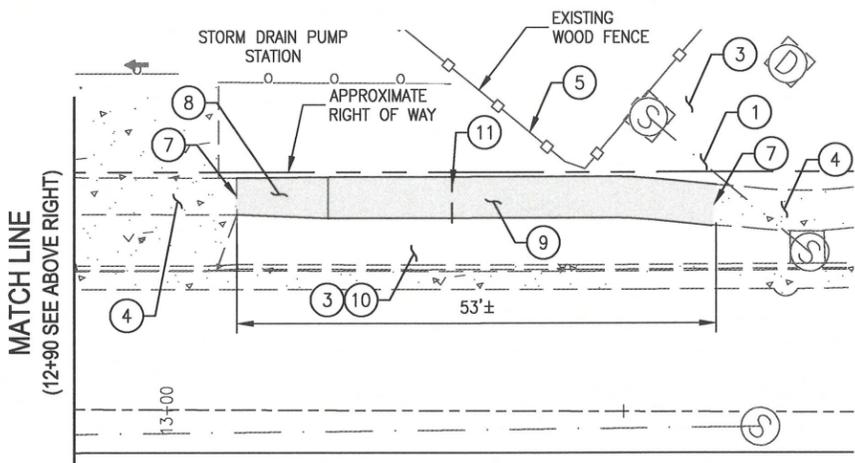
DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-103</b>
DRAWN BY DGR	DATE 07/17/19	SHEET <b>3</b>
CHECKED BY M. Gouveia	DATE 07/24/19	OF 12 SHEETS
APPROVED M. Gouveia	DATE 07/24/19	PROJECT NUMBER 845.04



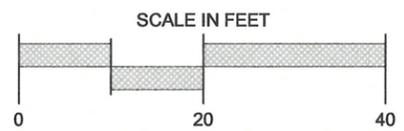
MATCH LINE  
(12+90 SEE BELOW LEFT)

CONSTRUCTION NOTES	REFERENCE DETAIL
① LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
② EXISTING UTILITY BOX(ES) TO REMAIN IN PLACE AND BE PROTECTED.	
③ EXISTING GRASS/LANDSCAPING/GROUND COVER MATERIAL TO REMAIN IN PLACE AND BE PROTECTED.	
④ EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
⑤ EXISTING FENCING TO REMAIN IN PLACE AND BE PROTECTED.	
⑥ EXISTING BOLLARDS TO REMAIN IN PLACE AND BE PROTECTED.	
⑦ ABUTTING CONCRETE EDGE SHALL HAVE A CLEAN SAWCUT EDGE AND BE PREPARED FOR DOWELING.	4/10
⑧ CONSTRUCT 10' SIDEWALK TRANSITION TO MATCH EXISTING SIDEWALK PROVIDE A SMOOTH TRANSITION BETWEEN IMPROVEMENTS.	4/10
⑨ CONSTRUCT 4'-6" WIDE SEPARATED CONCRETE SIDEWALK SECTION TIED INTO EXISTING SIDEWALK WITH 2 DOWELS ON EITHER SIDE. MEET AND MATCH EXISTING IMPROVEMENTS ON EITHER SIDE.	4/10
⑩ GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.	
⑪ INSTALL 6 LINEAR FEET OF 3" SCHEDULE 80 PVC PIPE SLEEVE UNDER PROPOSED WALKWAY. PLACE SLEEVE SO THAT A MINIMUM OF 1' OF THE SLEEVE EXTENDS PAST THE OUTER EDGE OF THE CONCRETE ON BOTH SIDES OF THE PATH. CAP AND FLAG THE LOCATION OF THE SLEEVE. FINAL LOCATION OF THE SLEEVES TO BE DETERMINED IN THE FIELD. SLEEVES WILL BE USED FOR FUTURE LANDSCAPING IRRIGATION.	

**ROCKPORT DRIVE**  
STATION 10+10 - 12+90



**ROCKPORT DRIVE**  
STATION 12+90 - 13+75



ESTIMATED QUANTITIES	
CONSTRUCT SIDEWALK .....	1,471 SF

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REV	DATE	DESCRIPTION	APPR
1			

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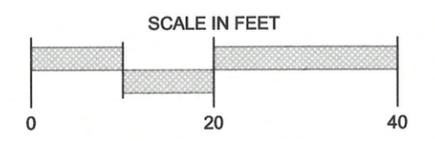
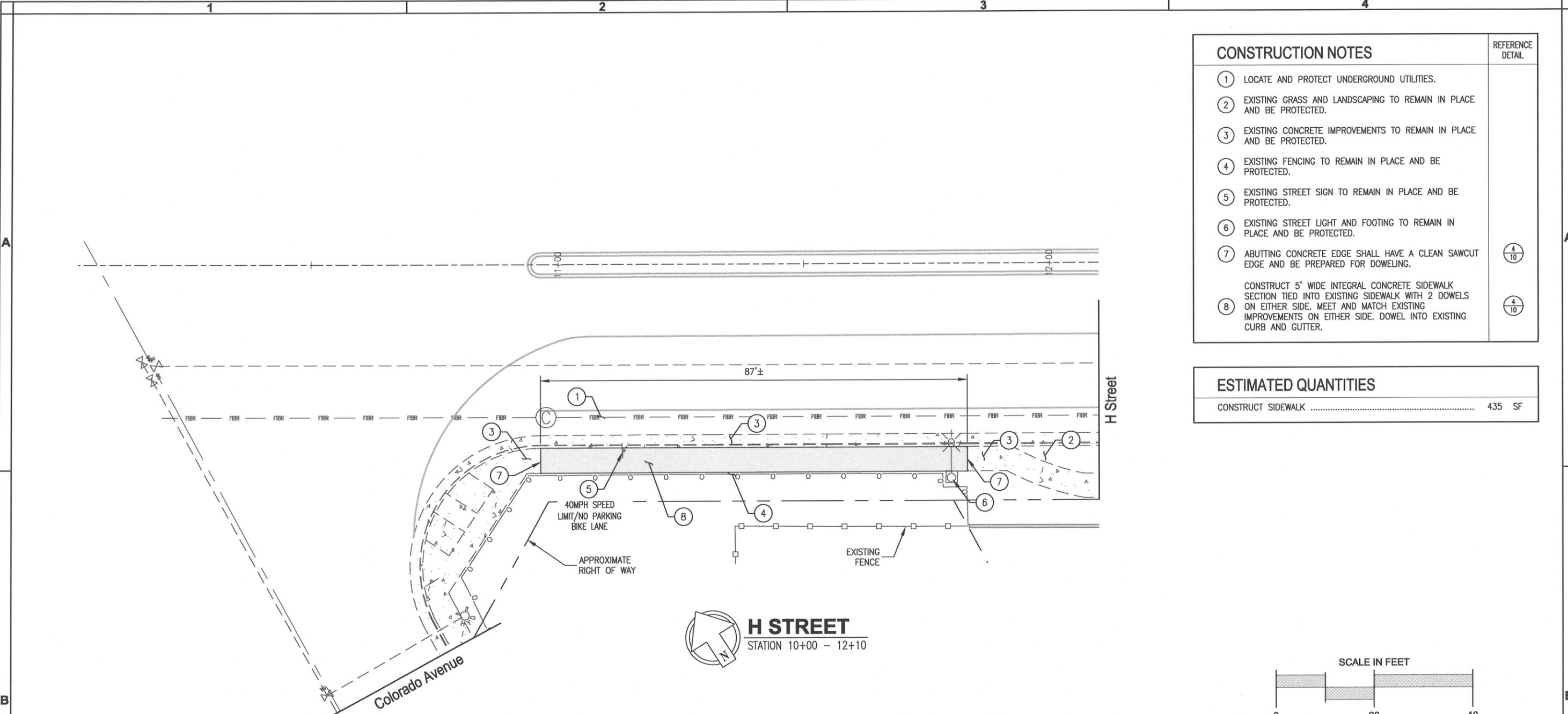
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**City of Los Banos**  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**ROCKPORT DRIVE IMPROVEMENTS**  
**STA: 10+10 to 13+75**

DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-104</b>
DRAWN BY DGR	DATE 07/17/19	
CHECKED BY M. Gouveia	DATE 07/24/19	SHEET <b>4</b> OF 12 SHEETS PROJECT NUMBER 845.04
APPROVED M. Gouveia	DATE 07/24/19	

CONSTRUCTION NOTES		REFERENCE DETAIL
①	LOCATE AND PROTECT UNDERGROUND UTILITIES.	
②	EXISTING GRASS AND LANDSCAPING TO REMAIN IN PLACE AND BE PROTECTED.	
③	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
④	EXISTING FENCING TO REMAIN IN PLACE AND BE PROTECTED.	
⑤	EXISTING STREET SIGN TO REMAIN IN PLACE AND BE PROTECTED.	
⑥	EXISTING STREET LIGHT AND FOOTING TO REMAIN IN PLACE AND BE PROTECTED.	
⑦	ABUTTING CONCRETE EDGE SHALL HAVE A CLEAN SAWCUT EDGE AND BE PREPARED FOR DOWELING.	④/10
⑧	CONSTRUCT 5' WIDE INTEGRAL CONCRETE SIDEWALK SECTION TIED INTO EXISTING SIDEWALK WITH 2 DOWELS ON EITHER SIDE. MEET AND MATCH EXISTING IMPROVEMENTS ON EITHER SIDE. DOWEL INTO EXISTING CURB AND GUTTER.	④/10

ESTIMATED QUANTITIES	
CONSTRUCT SIDEWALK .....	435 SF



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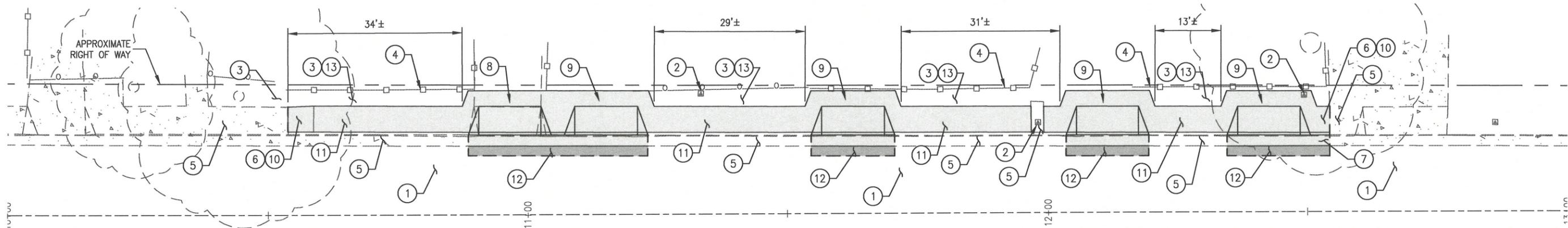
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**City of Los Banos**  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**H STREET IMPROVEMENTS**  
**STA: 10+00 to 12+10**

DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-105</b>
DRAWN BY DGR	DATE 07/17/19	
CHECKED BY M. Gouveia	DATE 07/24/19	SHEET <b>5</b> OF 12 SHEETS PROJECT NUMBER 845.04
APPROVED M. Gouveia	DATE 07/24/19	



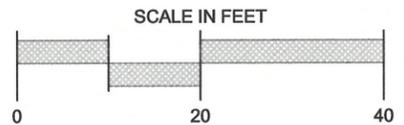
**CONSTRUCTION NOTES**

REFERENCE  
DETAIL

- ① LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.
- ② EXISTING UTILITY BOX(ES)/SAMPLING STATION TO REMAIN IN PLACE AND BE PROTECTED. (REFER TO GENERAL NOTE 10 ON SHEET 2)
- ③ EXISTING LANDSCAPING TO REMAIN IN PLACE AND BE PROTECTED.
- ④ EXISTING FENCING TO REMAIN IN PLACE AND BE PROTECTED.
- ⑤ EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.
- ⑥ ABUTTING CONCRETE EDGE SHALL HAVE A CLEAN SAWCUT EDGE AND BE PREPARED FOR DOWELING.
- ⑦ REMOVE AND REPLACE 5' OF EXISTING CURB AND GUTTER.
- ⑧ REMOVE AND REPLACE EXISTING DRIVE APPROACH. NEW DRIVE APPROACH SHALL HAVE A 12' WIDE THROAT.
- ⑨ CONSTRUCT RESIDENTIAL DRIVE APPROACH WITH A 12' WIDE THROAT.
- ⑩ CONSTRUCT 5' SIDEWALK TRANSITION TO MATCH EXISTING SIDEWALK PROVIDE A SMOOTH TRANSITION BETWEEN IMPROVEMENTS.
- ⑪ CONSTRUCT 5' WIDE INTEGRAL CONCRETE SIDEWALK SECTION TIED INTO EXISTING SIDEWALK WITH 2 DOWELS ON EITHER SIDE. MEET AND MATCH EXISTING IMPROVEMENTS ON EITHER SIDE. DOWEL INTO EXISTING CURB AND GUTTER.
- ⑫ REMOVE EXISTING AC AS REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS AND CONSTRUCT AC PAVEMENT REPAIR.
- ⑬ GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.

- ①/10
- ①/11
- ①/11
- ④/10
- ④/10
- ⑤/10

**TEXAS AVENUE**  
STATION 10+00 - 13+00



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**ESTIMATED QUANTITIES**

CONSTRUCT SIDEWALK .....	550	SF
CONSTRUCT CURB AND GUTTER .....	5	LF
CONSTRUCT RESIDENTIAL DRIVE APPROACH .....	5	EA

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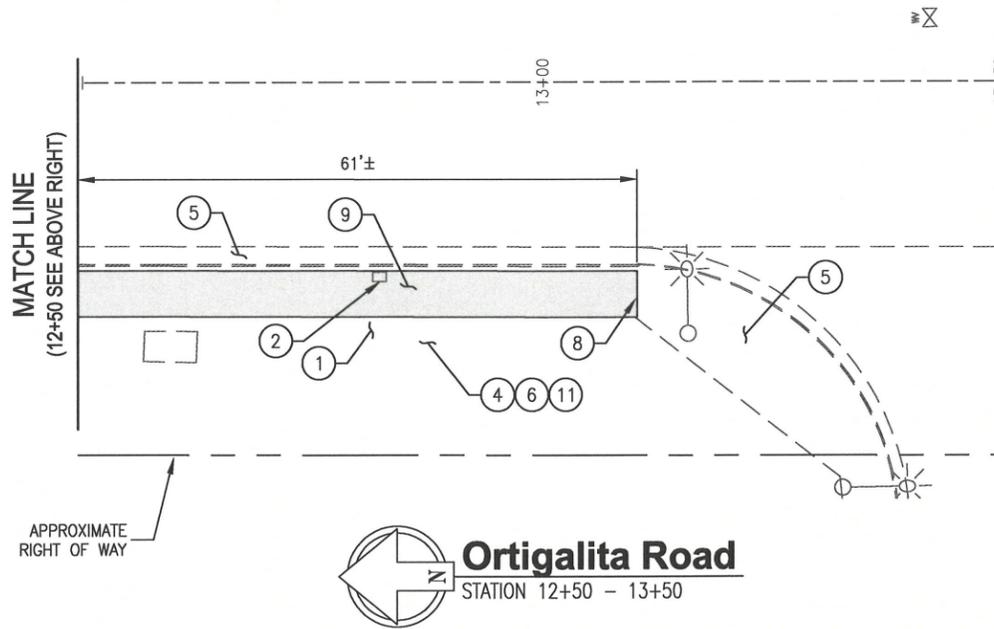
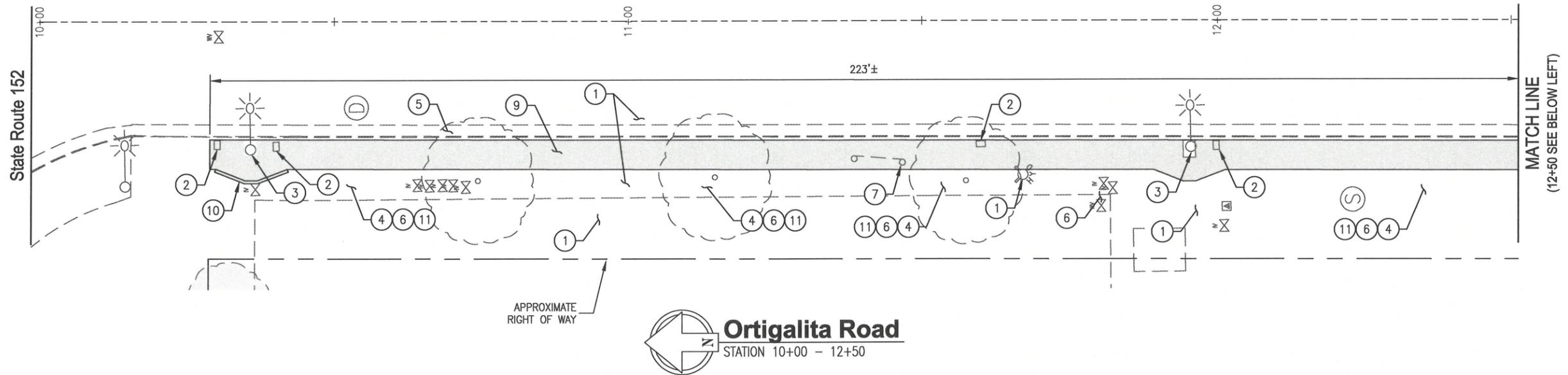
**GOUVEIA ENGINEERING, INC.**  
CONSULTING ENGINEERS  
456 Sixth Street • Gustine, California 95322  
Telephone (209) 854-3300 • Fax (209) 854-3600

**City of Los Banos**  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**TEXAS AVENUE IMPROVEMENTS**  
**STA: 10+00 to 13+00**

DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-106</b>
DRAWN BY DGR	DATE 07/17/19	
CHECKED BY M. Gouveia	DATE 07/24/19	SHEET <b>6</b> OF 12 SHEETS PROJECT NUMBER 845.04
APPROVED M. Gouveia	DATE 07/24/19	

Sep 13, 2019 - 12:55pm  
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REV	DATE	DESCRIPTION	APPR
1			



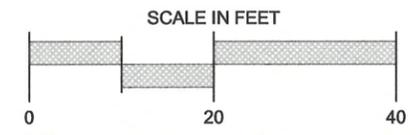
**CONSTRUCTION NOTES**

- ① LOCATE AND PROTECT EXISTING UTILITIES.
- ② EXISTING SIGNAL/STREET LIGHT UTILITY BOX(ES) TO REMAIN IN PLACE AND BE PROTECTED. (REFER TO GENERAL NOTE 10 ON SHEET 2)
- ③ EXISTING STREET LIGHT AND FOOTING TO REMAIN IN PLACE AND BE PROTECTED.
- ④ EXISTING GRASS, TREE(S), BUSH(ES), AND LANDSCAPING TO REMAIN IN PLACE AND BE PROTECTED.
- ⑤ EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.
- ⑥ EXISTING IRRIGATION TO REMAIN IN PLACE AND BE PROTECTED.
- ⑦ EXISTING SIGN TO BE REMOVED AND RELOCATED AS DIRECTED BY THE CITY.
- ⑧ ABUTTING CONCRETE EDGE SHALL HAVE A CLEAN SAWCUT EDGE AND BE PREPARED FOR DOWELING.
- ⑨ CONSTRUCT 5' WIDE INTEGRAL CONCRETE SIDEWALK SECTION TIED INTO EXISTING SIDEWALK WITH 2 DOWELS ON EITHER SIDE. MEET AND MATCH EXISTING IMPROVEMENTS ON EITHER SIDE. DOWEL INTO EXISTING CURB AND GUTTER.
- ⑩ CONSTRUCT 6" CONCRETE RETAINING CURB.
- ⑪ GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.

REFERENCE DETAIL
④/10
④/10
③/10

**ESTIMATED QUANTITIES**

CONSTRUCT SIDEWALK .....	1,428 SF
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Sep 13, 2019 - 1:05pm  
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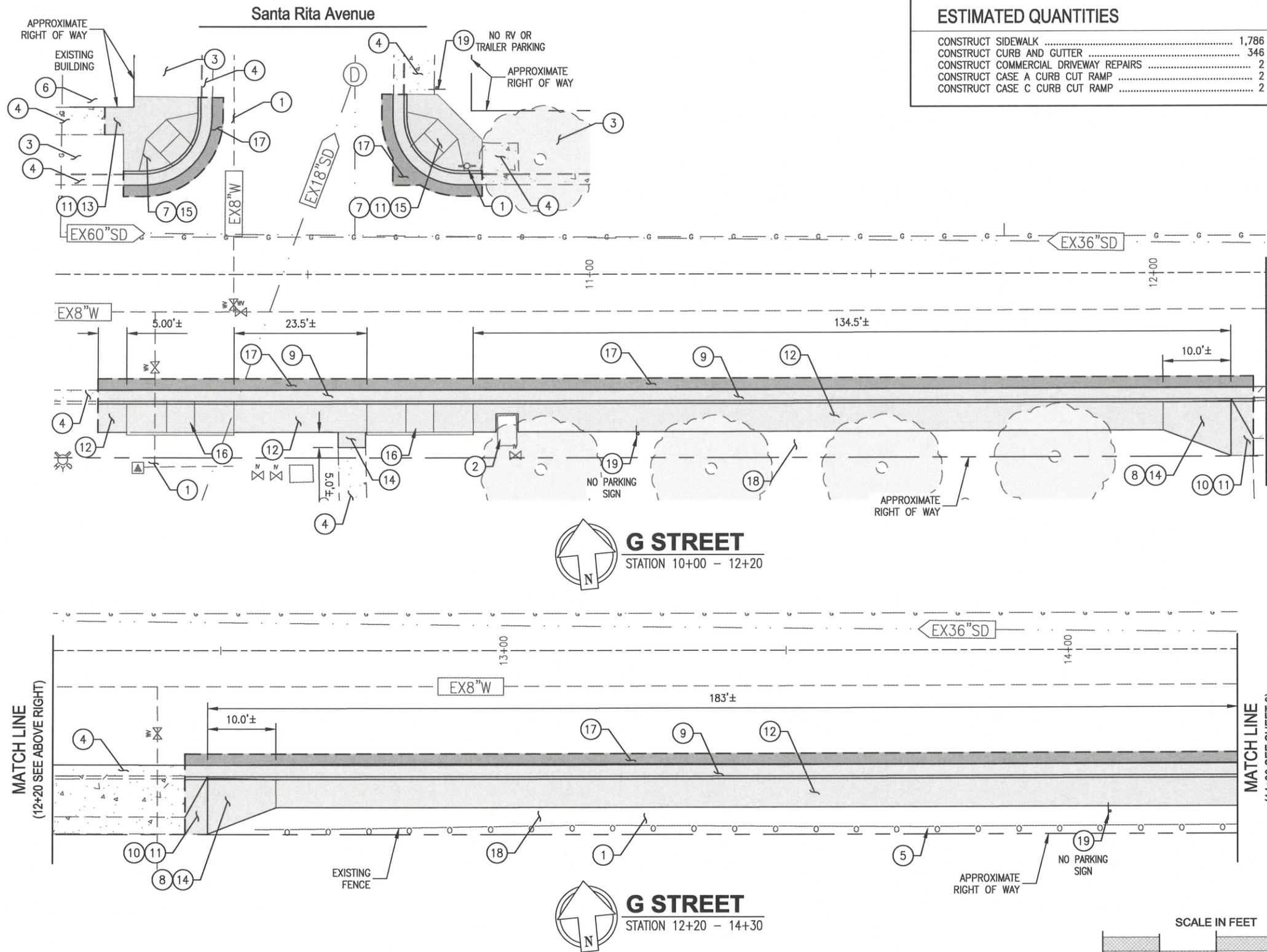
REV	DATE	DESCRIPTION	APPR
1			

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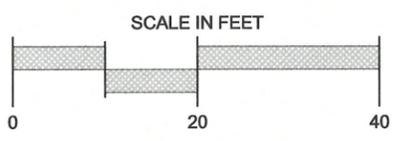
**City of Los Banos**  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**ORTIGALITA ROAD IMPROVEMENTS**  
**STA: 10+00 to 13+50**

DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-107</b>
DRAWN BY DGR	DATE 07/17/19	
CHECKED BY M. Gouveia	DATE 07/24/19	SHEET <b>7</b> OF 12 SHEETS PROJECT NUMBER 845.04
APPROVED M. Gouveia	DATE 07/24/19	



ESTIMATED QUANTITIES	
CONSTRUCT SIDEWALK .....	1,786 SF
CONSTRUCT CURB AND GUTTER .....	346 LF
CONSTRUCT COMMERCIAL DRIVEWAY REPAIRS .....	2 EA
CONSTRUCT CASE A CURB CUT RAMP .....	2 EA
CONSTRUCT CASE C CURB CUT RAMP .....	2 EA

CONSTRUCTION NOTES		REFERENCE DETAIL
①	LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
②	EXISTING UTILITY VAULT/BOX(ES) TO REMAIN IN PLACE AND BE PROTECTED. (REFER TO GENERAL NOTE 10 ON SHEET 2)	
③	EXISTING GRASS AND LANDSCAPING TO REMAIN IN PLACE AND BE PROTECTED.	
④	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
⑤	EXISTING FENCING TO REMAIN IN PLACE AND BE PROTECTED.	
⑥	EXISTING BUILDING TO REMAIN IN PLACE AND BE PROTECTED.	
⑦	REMOVE EXISTING LANDSCAPING AS REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS.	
⑧	REMOVE EXISTING AC WALKWAY.	
⑨	REMOVE AND REPLACE EXISTING CURB AND GUTTER.	1/10
⑩	REMOVE AND REPLACE EXISTING DRIVE APPROACH WINGS.	2/11
⑪	ABUTTING CONCRETE EDGE SHALL HAVE A CLEAN SAWCUT EDGE AND BE PREPARED FOR DOWELING.	4/10
⑫	CONSTRUCT 5' WIDE INTEGRAL CONCRETE SIDEWALK SECTION TIED INTO EXISTING SIDEWALK WITH 2 DOWELS ON EITHER SIDE. MEET AND MATCH EXISTING IMPROVEMENTS ON EITHER SIDE.	4/10
⑬	CONSTRUCT 5' WIDE SEPARATED CONCRETE SIDEWALK SECTION TIED INTO EXISTING SIDEWALK WITH 2 DOWELS. MEET AND MATCH EXISTING IMPROVEMENTS ON EITHER SIDE.	4/10
⑭	CONSTRUCT SIDEWALK TRANSITION BETWEEN IMPROVEMENTS.	4/10
⑮	REMOVE EXISTING CONCRETE IMPROVEMENTS AND CONSTRUCT CASE A CURB CUT RAMP.	4/11
⑯	REMOVE EXISTING CONCRETE IMPROVEMENTS AND CONSTRUCT CASE C CURB CUT RAMP.	5/11
⑰	REMOVE EXISTING AC AS REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS AND CONSTRUCT AC PAVEMENT REPAIR.	5/10
⑱	GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.	
⑲	REMOVE EXISTING POST, SALVAGE EXISTING SIGN(S) FOR REINSTALLATION. RELOCATE SIGN OUTSIDE OF THE PROPOSED IMPROVEMENTS AND INSTALL SALVAGED SIGN(S) ON NEW BREAKAWAY POST.	5/12



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**City of Los Banos**  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**G STREET IMPROVEMENTS**  
**STA: 10+00 to 14+30**

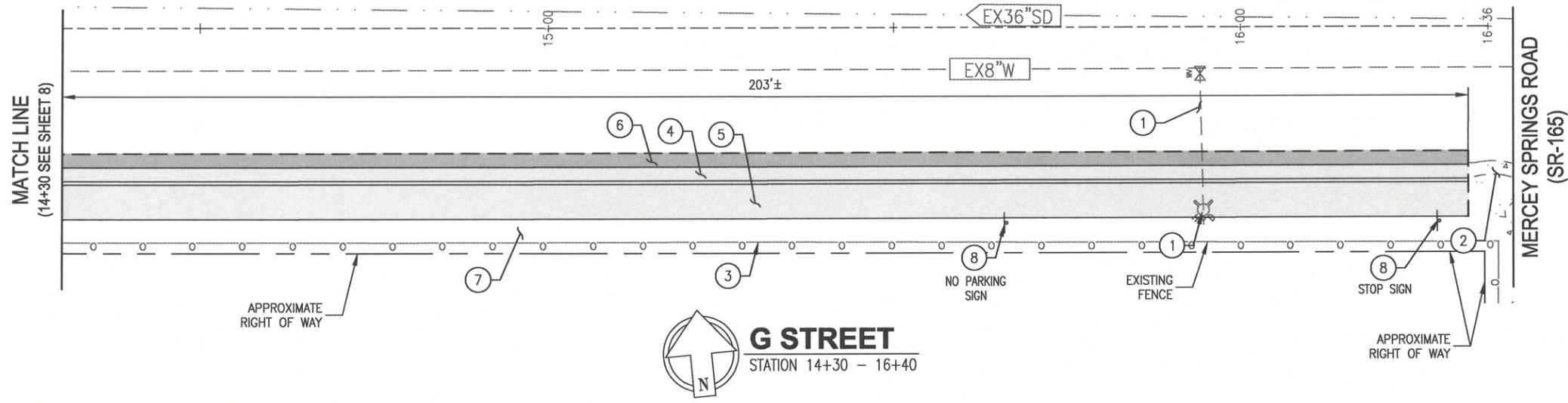
DESIGNED BY	DATE	DRAWING
DGR	06/13/19	<b>C-108</b>
DRAWN BY	DATE	SHEET
DGR	07/17/19	<b>8</b>
CHECKED BY	DATE	OF 12 SHEETS
M. Gouveia	07/24/19	<b>8</b>
APPROVED	DATE	PROJECT NUMBER
M. Gouveia	07/24/19	845.04

A

B

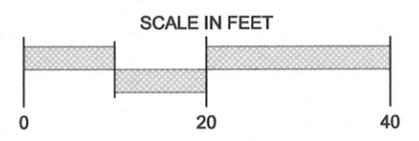
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B



CONSTRUCTION NOTES		REFERENCE DETAIL
1	LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.	
2	EXISTING CONCRETE IMPROVEMENTS TO REMAIN IN PLACE AND BE PROTECTED.	
3	EXISTING FENCING TO REMAIN IN PLACE AND BE PROTECTED.	
4	REMOVE AND REPLACE EXISTING CURB AND GUTTER.	1/10
5	CONSTRUCT 5' WIDE INTEGRAL CONCRETE SIDEWALK SECTION TIED INTO EXISTING SIDEWALK WITH 2 DOWELS ON EITHER SIDE. MEET AND MATCH EXISTING IMPROVEMENTS ON EITHER SIDE.	4/10
6	REMOVE EXISTING AC AS REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS AND CONSTRUCT AC PAVEMENT REPAIR.	5/10
7	GRADE EXISTING TO CONFORM TO THE PROPOSED IMPROVEMENTS.	
8	REMOVE EXISTING POST, SALVAGE EXISTING SIGN(S) FOR REINSTALLATION. RELOCATE SIGN OUTSIDE OF THE PROPOSED IMPROVEMENTS AND INSTALL SALVAGED SIGN(S) ON NEW BREAKAWAY POST.	5/12

ESTIMATED QUANTITIES	
CONSTRUCT SIDEWALK	1,015 SF
CONSTRUCT CURB AND GUTTER	203 LF



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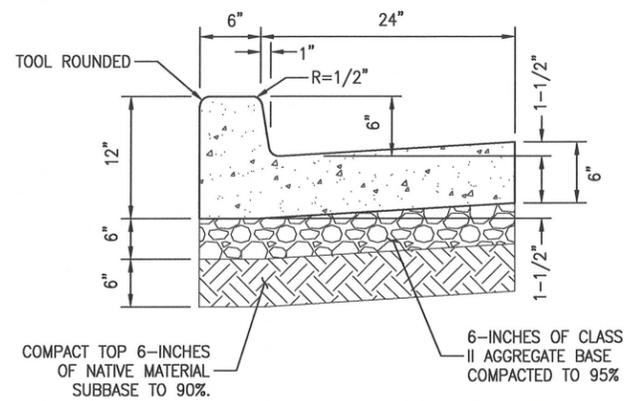
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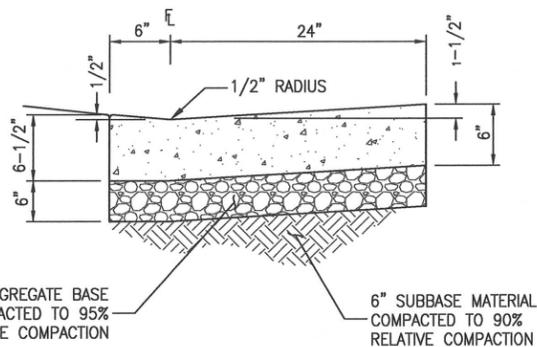
**City of Los Banos**  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**G STREET IMPROVEMENTS**  
**STA: 14+30 to 16+40**

DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-109</b>
DRAWN BY DGR	DATE 07/17/19	
CHECKED BY M. Gouveia	DATE 07/24/19	SHEET <b>9</b> OF 12 SHEETS PROJECT NUMBER 845.04
APPROVED M. Gouveia	DATE 07/24/19	



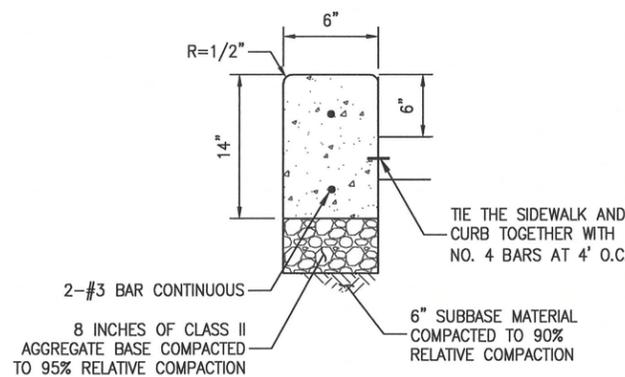
TOOL ROUNDED  
 6" COMPACT TOP 6-INCHES OF NATIVE MATERIAL SUBBASE TO 90%  
 6-INCHES OF CLASS II AGGREGATE BASE COMPACTED TO 95%  
 1-1/2"

1 CURB AND GUTTER  
 NOT TO SCALE



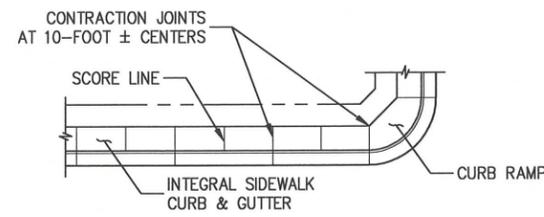
CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION  
 6" SUBBASE MATERIAL COMPACTED TO 90% RELATIVE COMPACTION

2 RAMP CURB AND GUTTER DETAIL  
 NOT TO SCALE



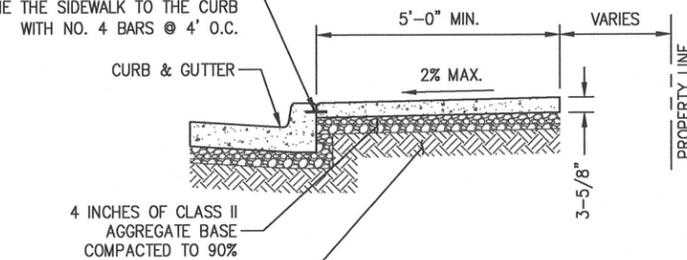
TIE THE SIDEWALK AND CURB TOGETHER WITH NO. 4 BARS AT 4' O.C.  
 2-#3 BAR CONTINUOUS  
 8 INCHES OF CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION  
 6" SUBBASE MATERIAL COMPACTED TO 90% RELATIVE COMPACTION

3 RETAINING CURB DETAIL  
 NOT TO SCALE



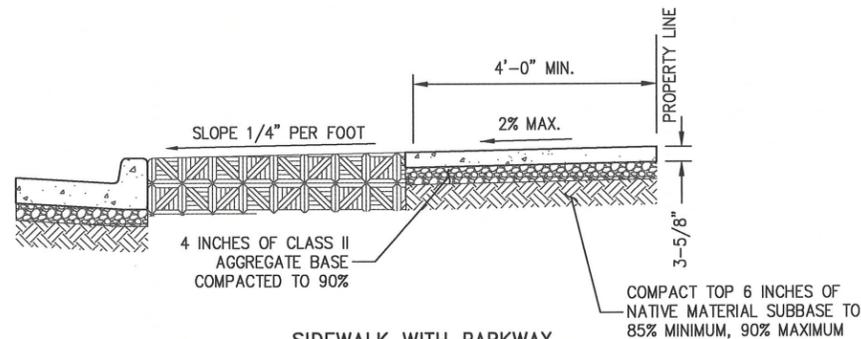
CONTRACTION JOINTS AT 10-FOOT ± CENTERS  
 SCORE LINE  
 INTEGRAL SIDEWALK CURB & GUTTER  
 CURB RAMP

PLAN

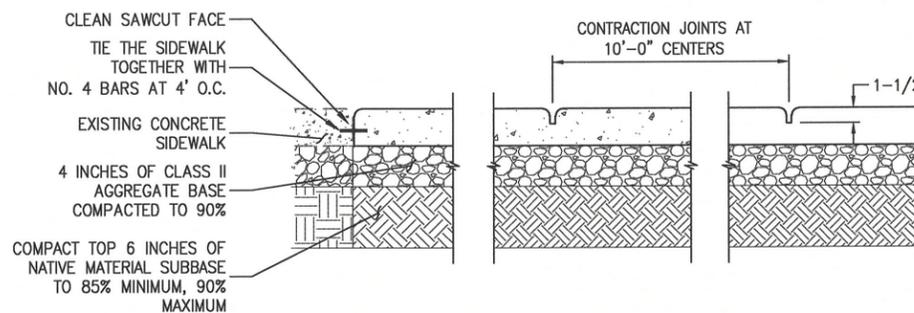


4 INCHES OF CLASS II AGGREGATE BASE COMPACTED TO 90%  
 COMPACT TOP 6 INCHES OF NATIVE MATERIAL SUBBASE TO 85% MINIMUM, 90% MAXIMUM

INTEGRAL SIDEWALK



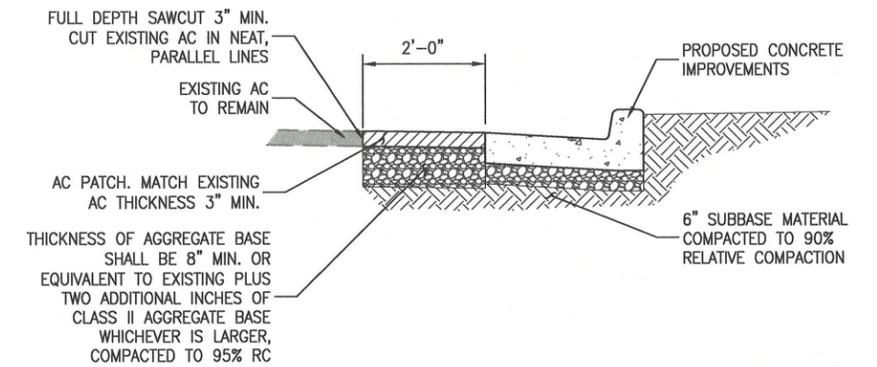
SIDEWALK WITH PARKWAY



CONNECTIONS TO EXISTING

LONGITUDINAL SECTIONS

4 SIDEWALK CONSTRUCTION DETAILS  
 NOT TO SCALE



FULL DEPTH SAWCUT 3" MIN. CUT EXISTING AC IN NEAT, PARALLEL LINES  
 EXISTING AC TO REMAIN  
 AC PATCH. MATCH EXISTING AC THICKNESS 3" MIN.  
 THICKNESS OF AGGREGATE BASE SHALL BE 8" MIN. OR EQUIVALENT TO EXISTING PLUS TWO ADDITIONAL INCHES OF CLASS II AGGREGATE BASE WHICHEVER IS LARGER, COMPACTED TO 95% RC  
 6" SUBBASE MATERIAL COMPACTED TO 90% RELATIVE COMPACTION

5 PAVEMENT REPAIR  
 NOT TO SCALE

NOTES

CURB, GUTTER, AND SIDEWALK

- CITY SHALL APPROVE SUBGRADE AND AGGREGATE BASE PREPARATION PRIOR TO PLACEMENT OF CONCRETE.
- SOIL DENSITIES ARE EXPRESSED AS A PERCENTAGE OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D 1557.
- IMMEDIATELY PRIOR TO PLACEMENT OF CONCRETE, THE GEOTECHNICAL ENGINEER SHALL CERTIFY THE MOISTURE CONTENT OF THE NATIVE MATERIAL SUBBASE HAS A MOISTURE CONTENT BETWEEN 2% TO 4% ABOVE OPTIMUM TO A DEPTH OF 18 INCHES. IN ADDITION, AGGREGATE BASE SHALL HAVE A MOISTURE CONTENT AS SPECIFIED BY THE DIRECTOR.
- EXISTING CURB HEIGHTS, GUTTER WIDTHS, BATTER, ETC. VARY. MATCH THE DIMENSIONS OF THE CURB AND GUTTER SECTIONS AT THE ENDS OF THE CURB BEING REPLACED. THIS TRANSITION SHALL BE WITH IN 5' OF THE END OF THE CURB BEING INSTALLED.
- CURB, GUTTER AND SIDEWALK SHALL NOT BE CONSTRUCTED MONOLITHICALLY. TIE THE SIDEWALK TO THE NEW OR EXISTING CURB WITH NO. 4 BARS AT 4' O.C.
- EDGES TO HAVE 1/2 INCH RADIUS.
- WHEN BREAKING OUT EXISTING CONCRETE IMPROVEMENTS, CONCRETE SHALL BE REMOVED TO THE NEAREST CONTRACTION JOINT/SCORE LINE.



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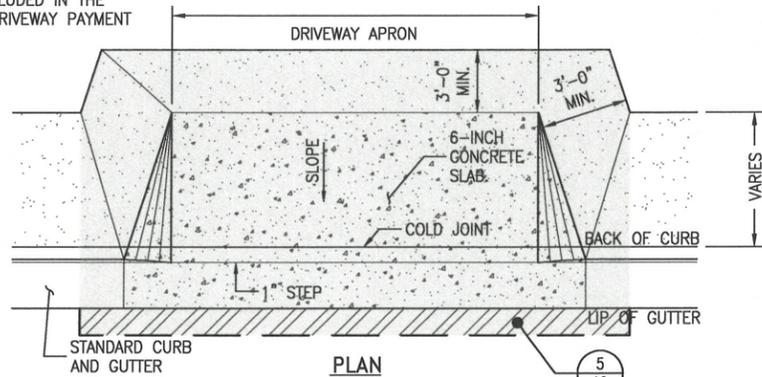
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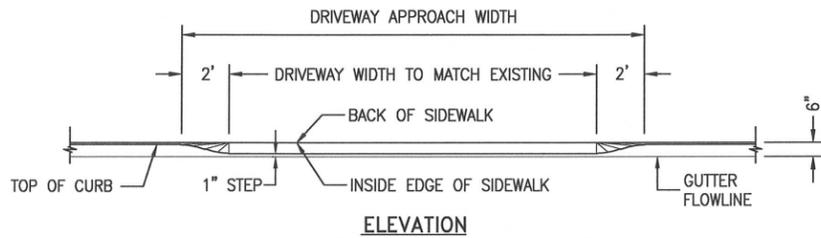
City of Los Banos  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**CONCRETE AND PAVEMENT CONSTRUCTION DETAILS**

DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-110</b> SHEET <b>10</b> OF 12 SHEETS PROJECT NUMBER 845.04
DRAWN BY DGR	DATE 07/17/19	
CHECKED BY M. Gouveia	DATE 07/24/19	
APPROVED M. Gouveia	DATE 07/24/19	

NOTE: SHADED AREA REPRESENTS THE AREA INCLUDED IN THE RESIDENTIAL DRIVEWAY PAYMENT MEASUREMENT

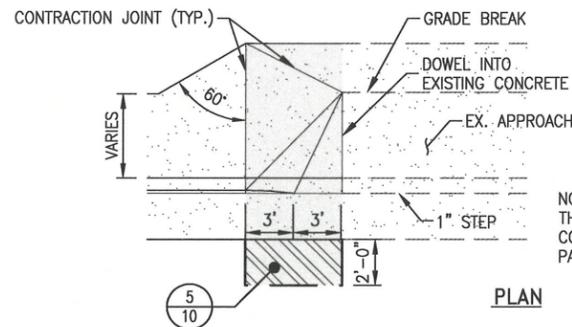


PLAN



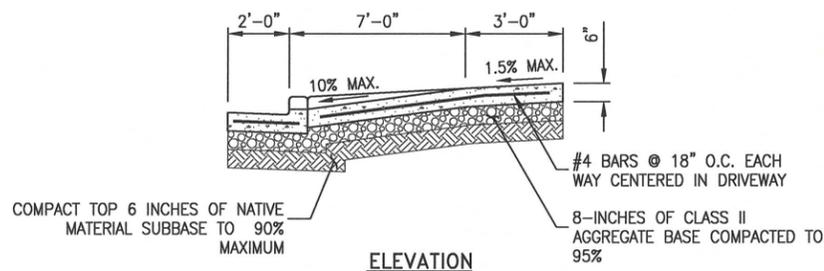
ELEVATION

**1 RESIDENTIAL DRIVEWAY**  
NOT TO SCALE



PLAN

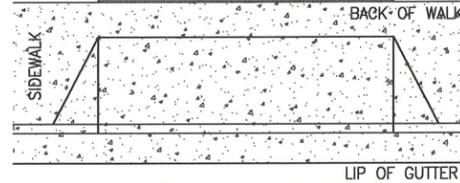
NOTE: SHADED AREA REPRESENTS THE AREA INCLUDED IN THE COMMERCIAL DRIVEWAY REPAIR PAYMENT MEASUREMENT



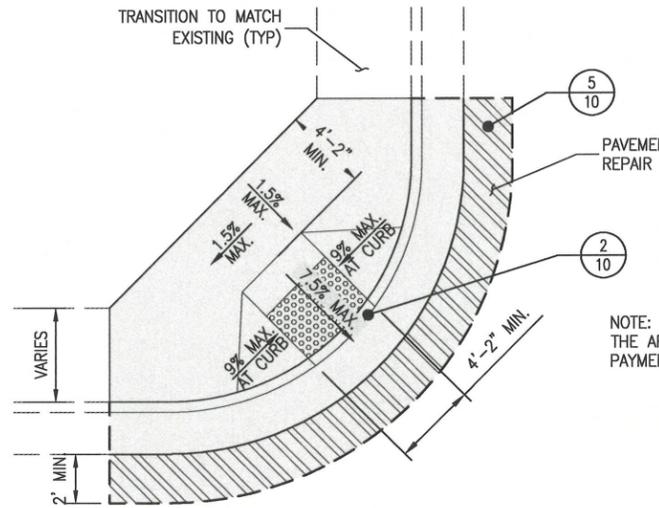
ELEVATION

**2 COMMERCIAL DRIVEWAY REPAIR**  
NOT TO SCALE

SAWCUT AND CONSTRUCT CONCRETE TRANSITION AS SPECIFIED ON PLANS TO MATCH EXISTING DRIVEWAY/PATHWAY/WALKWAY AND SIDEWALK AS REQUIRE TO PROVIDE A 8% MAXIMUM SLOPE FOR CONCRETE SURFACES WHERE POSSIBLE OR AS DIRECTED BY THE ENGINEER.

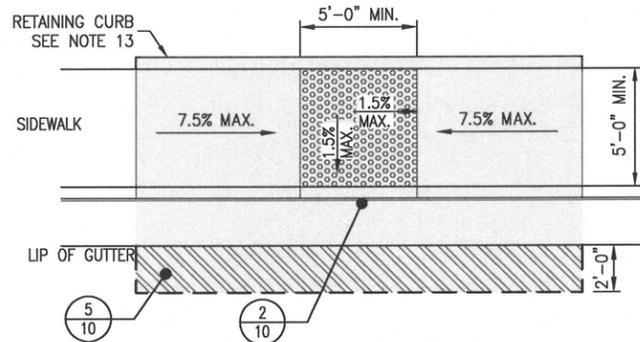


**3 DRIVEWAY/PATHWAY TRANSITION**  
NOT TO SCALE



NOTE: SHADED AREA REPRESENTS THE AREA INCLUDED IN THE RAMP PAYMENT MEASUREMENT

**4 CASE A CURB CUT RAMP**  
NOT TO SCALE



NOTE: SHADED AREA REPRESENTS THE AREA INCLUDED IN THE RAMP PAYMENT MEASUREMENT

**5 CASE C CURB CUT RAMP**  
NOT TO SCALE

**NOTES**

**DRIVEWAY**

- SOIL DENSITIES ARE EXPRESSED AS A PERCENTAGE OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D 1557.
- WHEN INSTALLING A NEW DRIVEWAY OR ALLEY APPROACH IN EXISTING CURB, GUTTER AND SIDEWALK, SAWCUT TOP AND FACE OF CURB, GUTTER AND SIDEWALK TO A MINIMUM DEPTH OF 2 INCHES PRIOR TO REMOVAL. CHIP CONCRETE TO A VERTICAL PLANE BELOW SAWCUT. ALSO, SAWCUT, REMOVE AND REPLACE EXISTING A.C. IN FRONT OF DRIVEWAY AS REQUIRED BY PUBLIC WORKS DIRECTOR.
- IMMEDIATELY PRIOR TO PLACEMENT OF CONCRETE, THE GEOTECHNICAL ENGINEER SHALL CERTIFY THE MOISTURE CONTENT OF THE NATIVE MATERIAL SUBBASE HAS A MOISTURE CONTENT BETWEEN 2% TO 4% ABOVE OPTIMUM TO A DEPTH OF 18 INCHES. IN ADDITION, AGGREGATE BASE SHALL HAVE A MOISTURE CONTENT AS SPECIFIED BY THE DIRECTOR.
- ALLEY APPROACH SHALL BE INSTALLED OVER 6 INCHES OF CLASS II AGGREGATE BASE COMPACTED TO 95%, OVER 6 INCHES OF NATIVE MATERIAL SUBBASE COMPACTED TO 90%
- ALLEY SHALL BE SYMMETRICAL ABOUT CENTERLINE.
- DRIVEWAY APPROACHES SHALL BE INSTALLED OVER 6 INCHES OF CLASS II AGGREGATE BASE COMPACTED TO 90% OVER 6 INCHES OF NATIVE MATERIAL SUBBASE COMPACTED TO 85% MINIMUM, 90% MAXIMUM.
- CITY SHALL APPROVE SUBGRADE AND AGGREGATE BASE PRIOR TO PLACEMENT OF CONCRETE.

**CURB RAMPS**

- SIDEWALK AND CURB RAMP IN RETURN AREA SHALL BE 5-1/2" THICK MINIMUM.
- TOP OF CURB SHALL BE FLUSH WITH GUTTER FLOWLINE AT RAMP.
- PLACE 8 INCHES OF CLASS II AGGREGATE BASE COMPACTED TO 95% OVER 6 INCHES OF NATIVE MATERIAL SUBBASE COMPACTED TO 90% UNDER RAMP.
- THE CURB RAMP SHALL BE OUTLINED, AS SHOWN, WITH A 1 FOOT WIDE BORDER WITH 1/4" WIDE GROOVES 3/4" ON CENTER. GROOVES SHALL BE 1/4" DEEP.
- DETECTABLE WARNING SURFACE (TRUNCATED DOMES) SHALL EXTEND THE FULL WIDTH OF THE RAMP AND A MINIMUM DEPTH OF 3 FEET IN THE DIRECTION OF TRAVEL. THE DETECTABLE WARNING SURFACE SHALL MEET THE LATEST REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA). THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6 INCHES AND 9 INCHES OF THE GUTTER FLOWLINE.
- 6" WIDE BY 12" DEEP CURB. TOP OF CURB SHALL BE FLUSH WITH RAMP LANDING AT SIDEWALK AND 6" ABOVE GUTTER FLOWLINE AT CURB AND GUTTER.
- WHEN INSTALLING A NEW CURB CUT RAMP, SAWCUT TOP AND FACE OF CURB, GUTTER, AND SIDEWALK TO A MINIMUM DEPTH OF 2 INCHES PRIOR TO REMOVAL. CHIP CONCRETE TO A VERTICAL PLANE BELOW SAWCUT. ALSO, SAWCUT, REMOVE, AND REPLACE EXISTING AC IN FRONT OF RETURN OR RAMP AS REQUIRED BY PUBLIC WORKS DIRECTOR.



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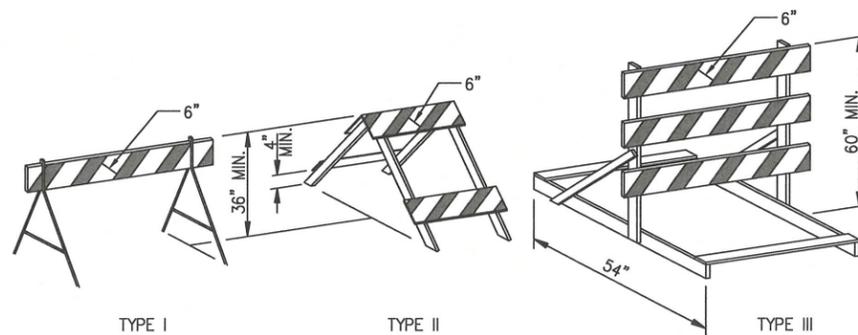
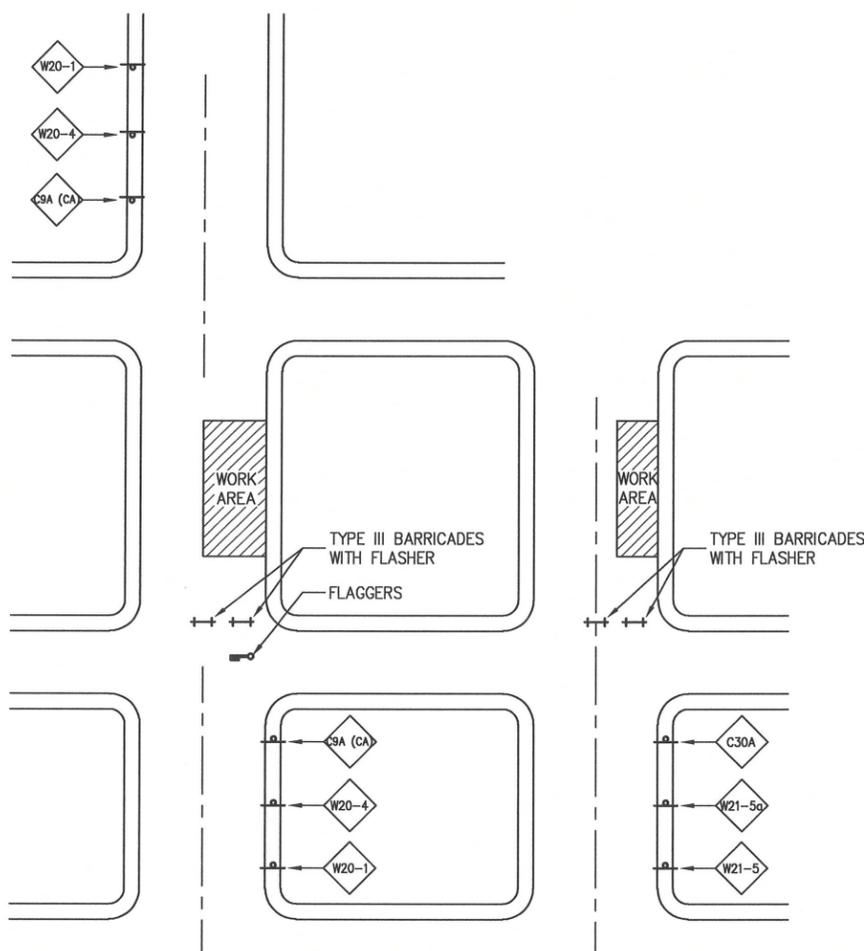
City of Los Banos  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**DRIVEWAY AND RAMP**  
**CONSTRUCTION DETAILS**

DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-111</b>
DRAWN BY DGR	DATE 07/17/19	SHEET <b>11</b>
CHECKED BY M. Gouveia	DATE 07/24/19	OF 12 SHEETS
APPROVED M. Gouveia	DATE 07/24/19	PROJECT NUMBER 845.04

BARRICADE AND PORTABLE FLASHER SUPPORT CHARACTERISTICS

TYPE	1	2	3	PORTABLE FLASHER SUPPORT
WIDTH OF RAIL	8" - 12"	8" - 12"	8" - 12"	TOP - 8" - 12" BOTTOM - 4" MIN.
LENGTH OF RAIL	2' MIN.	32" - 4'	3' MIN.	31" MAX.
WIDTH OF STRIPE	6"	6"	6"	4" OR 6"
HEIGHT	3' MIN.	3' MIN.	5' MIN.	30" MIN.
NUMBER OF RAIL FACES REFLECTORIZED	2	4	3 IF FACING TRAFFIC IN ONE DIRECTION. 6 IF FACING TRAFFIC IN TWO DIRECTIONS.	2 IF TOP RAIL IS 12" WIDE. 4 IF TOP RAIL IS LESS THAN 12" WIDE

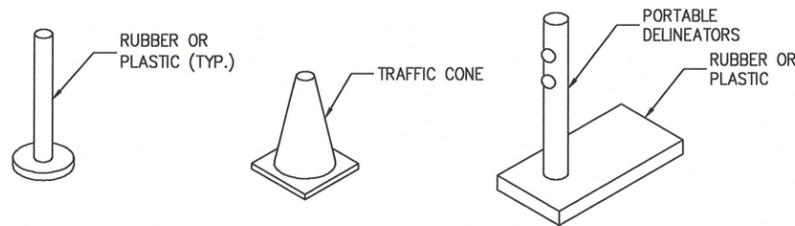
NOTES	REFERENCE DETAIL
1. PLACEMENT OF BARRICADES SHALL NOT PRECLUDE ENTRANCE OF EMERGENCY VEHICLES.	 
2. ADDITIONAL DETOUR SIGNS MAY BE REQUIRED BY THE CITY ENGINEER.	
3. REFLECTORS AS REQUIRED BY THE CITY ENGINEER OR PUBLIC WORKS DIRECTOR.	



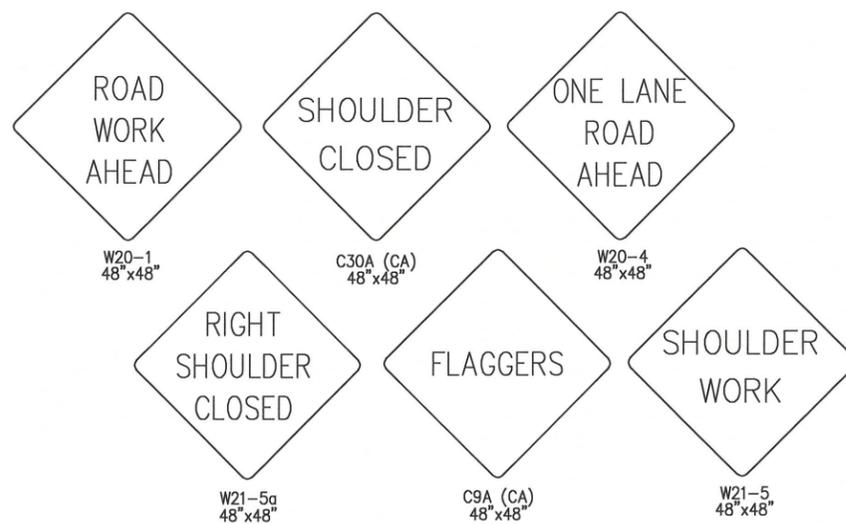
**3**  
PORTABLE BARRICADES  
NOT TO SCALE

TYPICAL LANE CLOSURE      TYPICAL SHOULDER CLOSURE

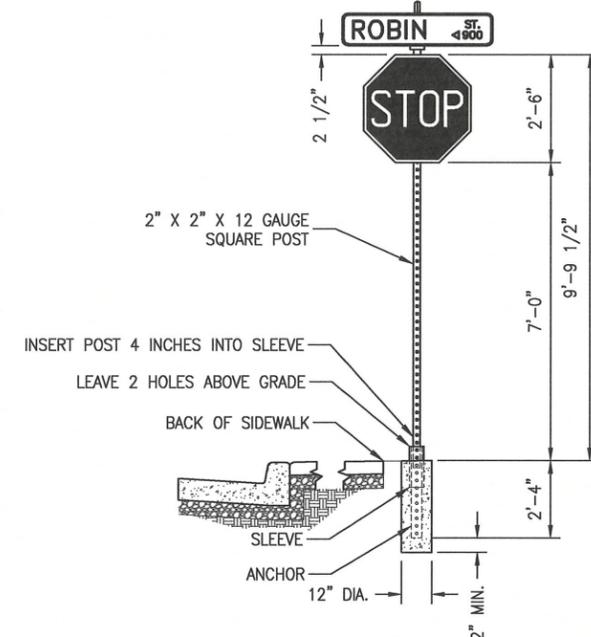
**1**  
CLOSURE DETAILS  
NOT TO SCALE



**2**  
TRAFFIC DELINEATORS  
NOT TO SCALE



**4**  
TYPICAL CONSTRUCTION SIGNS  
NOT TO SCALE



**5**  
SIGN INSTALLATION  
NOT TO SCALE



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**City of Los Banos**  
**Construct Infill Sidewalk Improvements - CML-5160(027)**  
**TRAFFIC CONTROL AND SIGN DETAILS**

DESIGNED BY DGR	DATE 06/13/19	DRAWING <b>C-112</b>
DRAWN BY DGR	DATE 07/17/19	SHEET <b>12</b>
CHECKED BY M. Gouveia	DATE 07/24/19	OF 12 SHEETS
APPROVED M. Gouveia	DATE 07/24/19	PROJECT NUMBER 845.04