

Plans for  
Construction of

## 2019 STREET REHABILITATIONS

**City of Los Banos  
Public Works Department**

# PROJECT PLANS FOR CONSTRUCTION OF 2019 STREET REHABILITATION CITY OF LOS BANOS



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## BENCHMARK

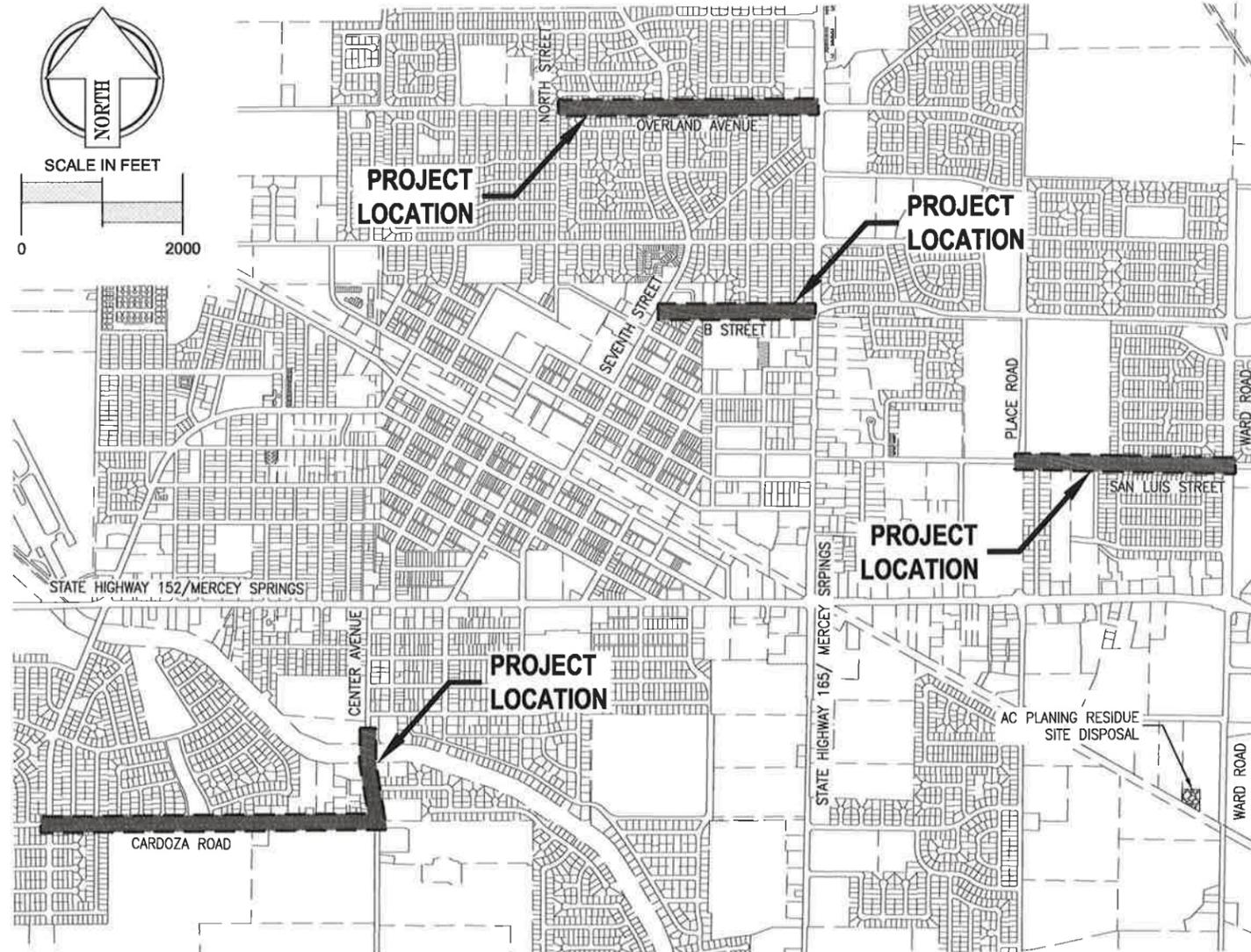
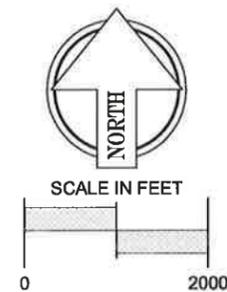
### VERTICAL AND HORIZONTAL DATUM:

VERTICAL AND HORIZONTAL DATUM INFORMATION WAS TAKEN FROM THE NGS DATA SHEET FOR PID H55126.  
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, NORTHEAST, 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.

## UTILITY CONTACTS

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



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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Telephone (209) 854-3300 • Fax (209) 854-3600

**CITY OF LOS BANOS**

**2019 STREET REHABILITATIONS  
LOCATION MAP AND INDEX OF DRAWINGS**

| DESIGNED BY | DATE     | DRAWING                  |
|-------------|----------|--------------------------|
| R. OROZCO   | 06/07/19 | <b>C-101</b>             |
| R. OROZCO   | 06/07/19 | SHEET                    |
| M. GOUVEIA  | 06/27/19 | <b>1</b>                 |
| M. GOUVEIA  | 06/27/19 | OF 19 SHEETS             |
|             |          | PROJECT NUMBER<br>845.06 |

### ABBREVIATIONS

| ABBREVIATIONS | DESCRIPTION                     |
|---------------|---------------------------------|
| ±             | PLUS OR MINUS (NOT EXACT)       |
| ⊙             | AT                              |
| AB            | AGGREGATE BASE                  |
| AC            | ASPHALT CONCRETE                |
| ACP           | ASBESTOS CEMENT PIPE            |
| AP            | ANGLE POINT                     |
| ARV           | AIR RELEASE VALVE               |
| BC            | BEGINNING OF CURVE              |
| BNDY          | BOUNDARY                        |
| BO            | BLOW-OFF                        |
| BP            | BYPASS                          |
| BOW           | BACK OF SIDEWALK                |
| CL            | CENTERLINE                      |
| C&G           | CURB AND GUTTER                 |
| CB OR CBSN    | CATCH BASIN                     |
| CLR           | CLEAR                           |
| CO            | CLEAN OUT                       |
| CLB           | CITY OF LOS BANOS               |
| C OR CONC     | CONCRETE                        |
| CONT          | CONTINUOUS                      |
| CORP          | CORPORATION                     |
| D OR SD       | STORM DRAIN                     |
| Ø OR DIA      | DIAMETER                        |
| EA            | EACH                            |
| EC            | END OF CURVE                    |
| EG            | EXISTING GROUND                 |
| EL            | ELBOW                           |
| ELEV          | ELEVATION                       |
| EP            | EDGE OF PAVEMENT                |
| EQ            | EQUAL OR EQUIVALENT             |
| EX OR EXIST   | EXISTING                        |
| EW            | EACH WAY                        |
| FH            | FIRE HYDRANT                    |
| FL            | FLOW LINE                       |
| FOC           | FACE OF CURB                    |
| FT            | FOOT OR FEET                    |
| GB            | GRADE BREAK                     |
| HDPE          | HIGH DENSITY POLYETHYLENE       |
| HGL           | HYDRAULIC GRADE LINE            |
| HORIZ         | HORIZONTAL                      |
| HP            | HIGH POINT                      |
| ID            | INSIDE DIAMETER                 |
| INV           | INVERT                          |
| IRR           | IRRIGATION                      |
| LF            | LINEAL FEET OR LINEAR FEET      |
| LT            | LEFT                            |
| MAX           | MAXIMUM                         |
| MH            | MAINTENANCE HOLE                |
| MIN           | MINIMUM                         |
| N             | NORTH                           |
| NO OR #       | NUMBER                          |
| NTS           | NOT TO SCALE                    |
| OC OR O.C.    | ON CENTER                       |
| OD            | OUTSIDE DIAMETER                |
| PI            | POINT OF INTERSECTION           |
| PL            | PROPERTY LINE                   |
| PSI           | POUNDS PER SQUARE INCH          |
| PT            | POINT                           |
| PVC           | POLYVINYL CHLORIDE PIPE         |
| R             | RADIUS                          |
| R/W           | RIGHT OF WAY                    |
| RCP           | REINFORCED CONCRETE PIPE        |
| RT            | RIGHT                           |
| SW            | SIDEWALK                        |
| SCH           | SCHEDULE                        |
| SDMH          | STORM DRAIN MAINTENANCE HOLE    |
| SF            | SQUARE FEET                     |
| SHT           | SHEET                           |
| SQ            | SQUARE                          |
| SS OR S       | SANITARY SEWER                  |
| SSMH          | SANITARY SEWER MAINTENANCE HOLE |
| STA           | STATION                         |
| STD           | STANDARD                        |
| TEMP          | TEMPORARY                       |
| TYP           | TYPICAL                         |
| VERT          | VERTICAL                        |
| W             | WATER                           |
| WV            | WATER VALVE                     |

### GENERAL NOTES

- PROJECT WORK HOURS ARE:  
MON - FRI 7AM - 5PM
- THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS".
- 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.
- 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 ENCRROACH 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.
- EXISTING UTILITY LOCATIONS ARE SHOWN BASED ON USA MARKINGS COLLECTED IN THE FIELD AND RECORD INFORMATION PROVIDED BY THE UTILITY OWNER. ACTUAL BUILT LOCATIONS AND UTILITY DEPTHS 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 TO THE SATISFACTION OF THE UTILITY OWNER. ALL COSTS RELATED TO LOCATING AND PROTECTING EXISTING UTILITIES AS REQUIRED BY THE RESPONSIBLE UTILITY COMPANY AND/OR GOVERNING AGENCY ARE THE RESPONSIBILITY OF THE CONTRACTOR. THESE COSTS INCLUDE ALL LOCATING AND POT HOLE ACTIVITIES REQUIRED BY THE UTILITY OWNER. THE 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.
- 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.
- 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 UNLESS OTHERWISE SHOWN ON THE PLANS. DISTURBED AND DAMAGED SURFACES SHALL BE RESTORED AFTER ALL CONSTRUCTION IS COMPLETE AND PRIOR TO CITY ACCEPTANCE.
- IN INSTANCES WHERE RESTORATION OF THE PAVEMENT IMPACTS ADJACENT FACILITIES SUCH AS EXISTING UTILITY FRAMES AND COVERS, THOSE FACILITIES SHALL REMAIN IN PLACE AND BE PROTECTED.
- 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 AFFECTED CUSTOMER(S) AT LEAST 2 FULL BUSINESS DAYS IN ADVANCE.
- 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.
- 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.
- UTILITY CONFLICTS ARE TO BE WORKED OUT IN THE FIELD WITH THE PROJECT ENGINEER AND CITY REPRESENTATIVE.

### GENERAL NOTES (Continued)

- 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.
- 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.

### TRAFFIC MANAGEMENT NOTES

- THE CONTRACTOR SHALL FOLLOW THE TRAFFIC CONTROL PLAN AND COORDINATE TRAFFIC CONTROL EFFORTS WITH THE PUBLIC WORKS DEPARTMENT, AND THE ENGINEER OF RECORD DURING THE CONSTRUCTION OF THE PROJECT.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN EMERGENCY VEHICLE ACCESS THROUGH THE PROJECT AREA AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN PROPERTY ACCESS AT ALL TIMES. CONSTRUCTION ACTIVITIES SHALL BE COORDINATED IN SUCH A MANNER TO ALLOW BUSINESSES ADJACENT TO THE PROJECT TO HAVE AT LEAST ONE POINT OF ACCESS DURING CONSTRUCTION.
- ALL SIGNS AND TRAFFIC CONTROL DEVICES BEING USED SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE MUTCD.
- 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.
- REFLECTIVE TABS ARE NOT ACCEPTABLE TO BE USED AS TEMPORARY DELINEATION DEVICES.
- THE CONTRACTOR SHALL DIRECT PEDESTRIANS TO USE ALTERNATE ROUTES WHILE CONSTRUCTION IS TAKING PLACE WITHIN PEDESTRIAN ROUTE.
- THE CONTRACTOR SHALL NOTIFY ALL OWNERS WITHIN THE AFFECTED AREA AT LEAST 2 FULL BUSINESS DAYS PRIOR TO ANY ROAD CLOSURE.
- IN AREAS WHERE PARKING WILL BE RESTRICTED DURING CONSTRUCTION, TEMPORARY NO PARKING SIGNS WITH DATES OF RESTRICTION SHALL BE PUT INTO PLACE AT LEAST 3 FULL BUSINESS DAYS PRIOR TO THE IMPLEMENTATION OF RESTRICTED PARKING.

### GENERAL LEGEND

|  | EXISTING | PROPOSED |
|--|----------|----------|
| WATER VALVE                            |          |          |
| WATER METER                            |          |          |
| FIRE HYDRANT                           |          |          |
| STORM DRAIN MANHOLE                    |          |          |
| STORM DRAIN INLET                      |          |          |
| SEWER MANHOLE                          |          |          |
| SIGN                                   |          |          |
| STREET LIGHT                           |          |          |
| TREE                                   |          |          |
| GAS LINES                              |          |          |
| UTILITY POLE                           |          |          |
| IMPROVEMENT LIMIT LINE/ SAWCUT (RAMPS) |          |          |
| AREA OF AC REMOVAL (RAMPS)             |          |          |
| CONCRETE (RAMPS)                       |          |          |
| AREA OF CONCRETE REMOVAL (RAMPS)       |          |          |
| AREA OF AC PULVERIZATION               |          |          |
| AREA OF AC PAVEMENT OVERLAY            |          |          |
| AREA OF 1 1/2" PLANING                 |          |          |

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



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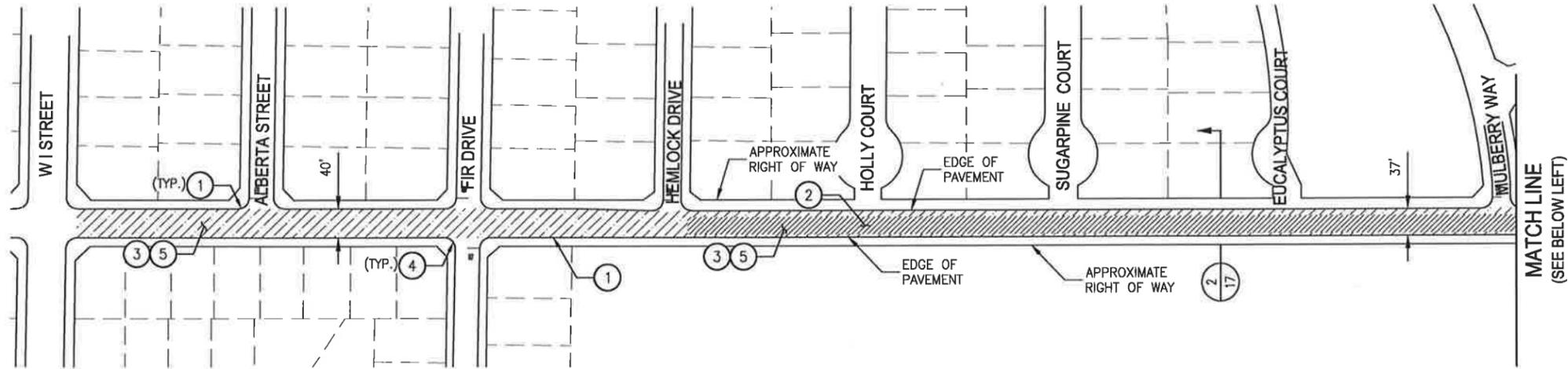
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**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**GENERAL NOTES AND ABBREVIATIONS**

|                          |                  |  |
|--------------------------|------------------|--|
| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-102</b>                  |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 | SHEET<br><b>2</b>                        |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 | OF 19 SHEETS<br>PROJECT NUMBER<br>845.06 |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 |  |

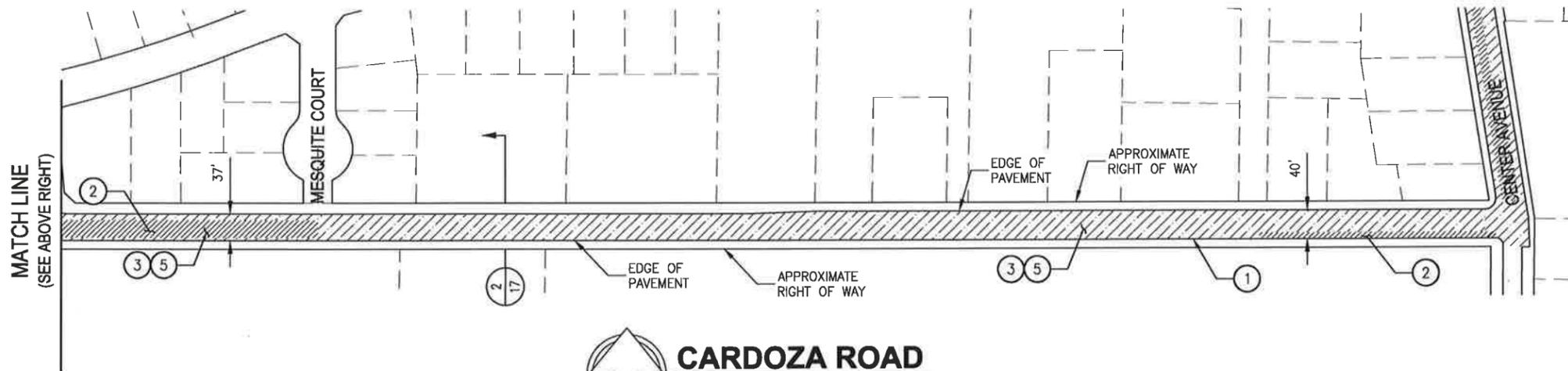


 **CARDOZA ROAD**

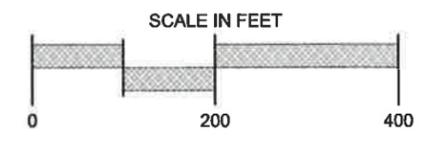
| CONSTRUCTION NOTES |  | REFERENCE DETAIL |
|--------------------|--|------------------|
| ①                  | AC EDGE PLANING. PLANE AC PAVEMENT AT THE LIP OF GUTTER, ACROSS INTERSECTIONS WITH STREETS NOT TO BE OVERLAYED, AND AT THE ENDS OF OVERLAY.  |                  |
| ②                  | PAVEMENT REPAIR AREA, PLANE EXISTING AC PAVEMENT TO A DEPTH OF 1-1/2" AND REPAVE WITH 1-1/2" OF NEW AC. LIMITS OF PAVEMENT IMPROVEMENTS TO MEET AND MATCH EXISTING PAVEMENT. PROVIDE A SMOOTH TRANSITION BETWEEN SURFACES. | ②/17             |
| ③                  | CONSTRUCT A 2" AC OVERLAY.   | ③/17             |
| ④                  | LIMITS OF PAVEMENT IMPROVEMENTS TO MEET AND MATCH EXISTING PAVEMENT OR CONCRETE. PROVIDE A SMOOTH TRANSITION BETWEEN SURFACES.   | ④/17             |
| ⑤                  | ADJUST EXISTING VALVE BOXES, MONUMENT COVERS AND MANHOLE COVERS TO GRADE.  | ⑤/17             |

| ESTIMATED QUANTITIES            |        |    |
|---------------------------------|--------|----|
| AC EDGE PLANING .....           | 8,120  | LF |
| AC PAVEMENT .....               | 2,392  | TN |
| AC 1 1/2" PLANING .....         | 39,061 | SF |
| ADJUST EXISTING VALVE BOX ..... | 21     | EA |
| ADJUST MANHOLE COVER .....      | 20     | EA |
| ADJUST MONUMENT BOX .....       | 3      | EA |

**NOTE**  
EXACT LOCATIONS OF 1 1/2" AC PLANNING FOR PAVEMENT REPAIRS WILL BE DETERMINED IN THE FIELD.



 **CARDOZA ROAD**



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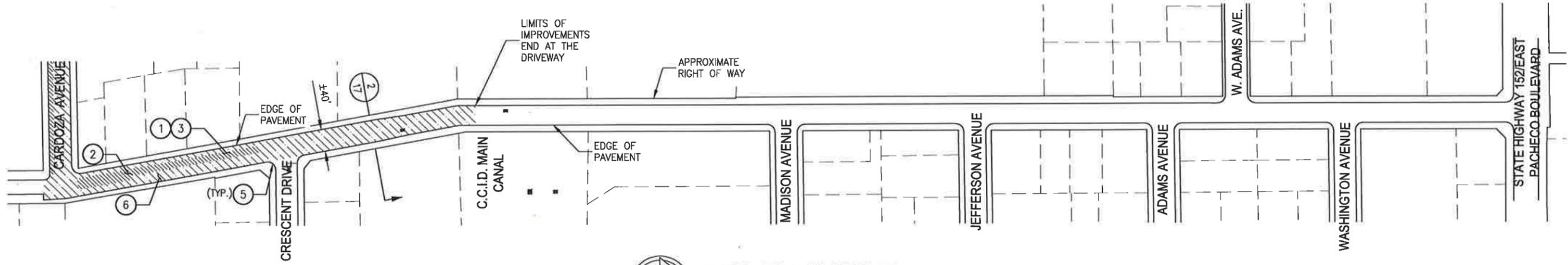
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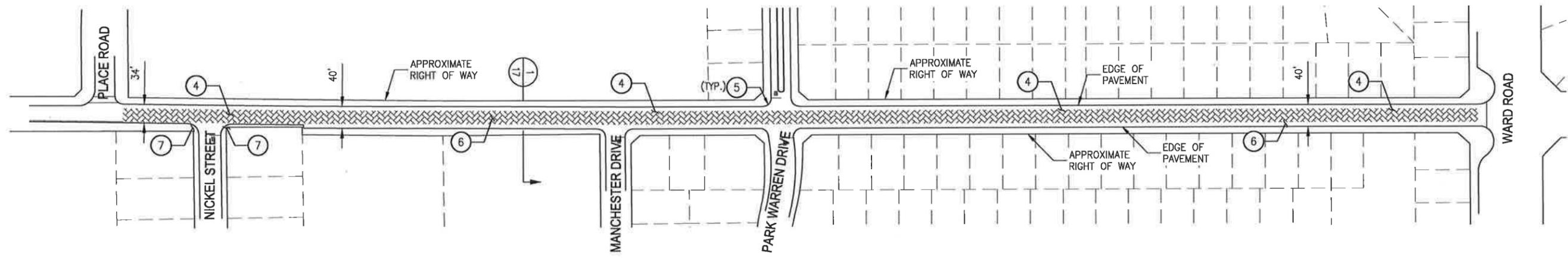
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**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**CARDOZA ROAD**  
**IMPROVEMENTS**

|                          |                  |   |
|--------------------------|------------------|---|
| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | <b>C-103</b><br>SHEET<br><b>3</b><br>OF 19 SHEETS<br>PROJECT NUMBER<br>845.06 |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 |   |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 |   |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 |   |
|                          |                  |   |



**CENTER AVENUE**

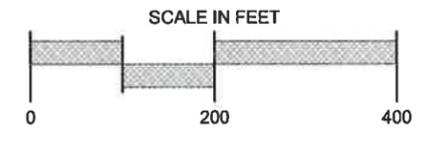


**SAN LUIS STREET**

| CONSTRUCTION NOTES   | REFERENCE DETAIL |
|--|------------------|
| ① AC EDGE PLANING. PLANE AC PAVEMENT AT THE LIP OF GUTTER, ACROSS INTERSECTIONS WITH STREETS NOT TO BE OVERLAYED, AND AT THE ENDS OF OVERLAY.  |                  |
| PAVEMENT REPAIR AREA, PLANE EXISTING AC PAVEMENT TO A DEPTH OF 1-1/2" AND REPAVE WITH 1-1/2" OF NEW AC. LIMITS OF PAVEMENT IMPROVEMENTS TO MEET AND MATCH EXISTING PAVEMENT. PROVIDE A SMOOTH TRANSITION BETWEEN SURFACES. |                  |
| ② CONSTRUCT 2" AC OVERLAY.   | 2/17             |
| PULVERIZE AC AND AB AND REUSE AS BASE. ADEQUACY OF PULVERIZED MATERIAL BASE WILL BE DETERMINED BY THE ENGINEER. PLACE 2-1/2" OF AC OVER PULVERIZED MATERIAL. 12' EACH WAY FROM THE CENTERLINE.                             | 1/17             |
| ⑤ LIMITS OF PAVEMENT IMPROVEMENTS TO MEET AND MATCH EXISTING PAVEMENT OR CONCRETE. PROVIDE A SMOOTH TRANSITION BETWEEN SURFACES.   |                  |
| ⑥ ADJUST EXISTING VALVE BOXES, MONUMENT COVERS AND MANHOLE COVERS TO GRADE.  | 4/17             |
| ⑦ EXISTING DIKE TO REMAIN AND BE PROTECTED IN PLACE.   |                  |

| ESTIMATED QUANTITIES            |           |
|---------------------------------|-----------|
| AC EDGE PLANING .....           | 1,580 LF  |
| AC PAVEMENT .....               | 1,388 TN  |
| AC 1 1/2" PLANING .....         | 4,848 SF  |
| ADJUST EXISTING VALVE BOX ..... | 20 EA     |
| ADJUST MANHOLE COVER .....      | 21 EA     |
| ADJUST MONUMENT BOX .....       | 1 EA      |
| AC PULVERIZING .....            | 59,403 SF |

**NOTE**  
EXACT LOCATIONS OF 1 1/2" AC PLANING FOR PAVEMENT REPAIRS WILL BE DETERMINED IN THE FIELD.



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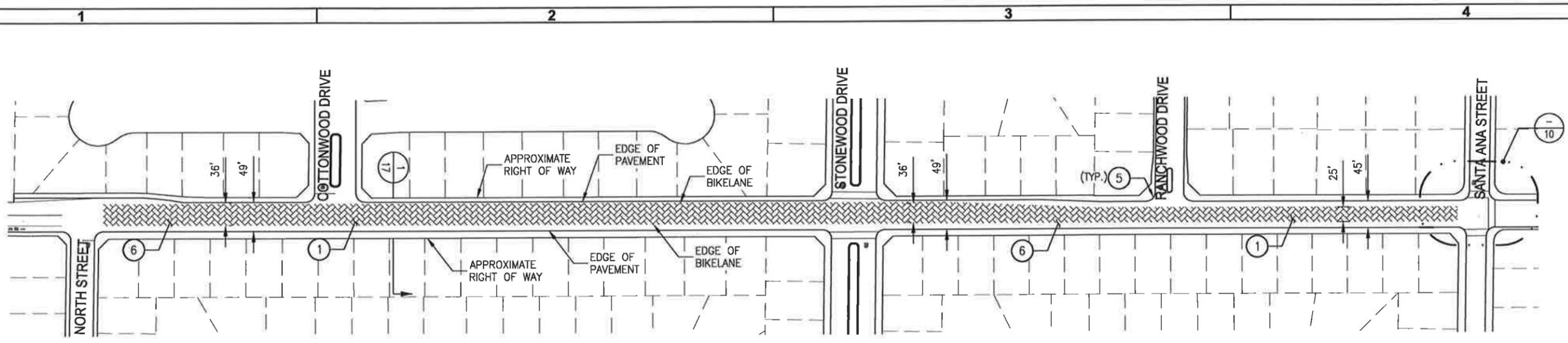
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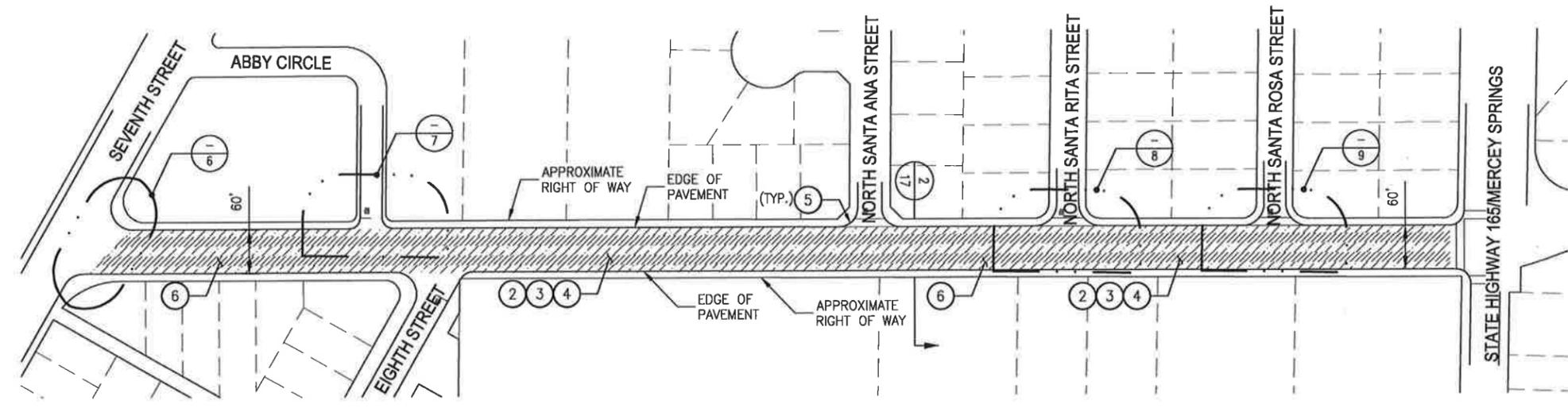
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CONSULTING ENGINEERS  
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**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**CENTER AVENUE AND SAN LUIS STREET**  
**IMPROVEMENTS**

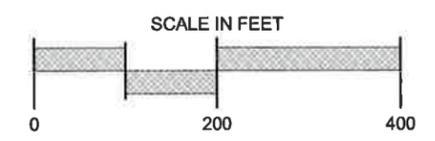
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| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-104</b>                                       |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 |   |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 | SHEET<br><b>4</b><br>OF 19 SHEETS<br>PROJECT NUMBER<br>845.06 |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 |   |




**OVERLAND AVENUE**




**EAST B STREET**



| CONSTRUCTION NOTES   | REFERENCE DETAIL  |
|--|---|
| <p>① PULVERIZE AC AND AB AND REUSE AS BASE FROM BIKE LANE TO BIKE LANE. ADEQUACY OF PULVERIZED MATERIAL BASE WILL BE DETERMINED BY THE ENGINEER. PLACE 2-1/2" OF AC OVER PULVERIZED MATERIAL.</p>  |  |
| <p>② AC EDGE PLANING. PLANE AC PAVEMENT AT THE LIP OF GUTTER, ACROSS INTERSECTIONS WITH STREETS NOT TO BE OVERLAYED, AND AT THE ENDS OF OVERLAY.</p>   |   |
| <p>③ PAVEMENT REPAIR AREA, PLANE EXISTING AC PAVEMENT ON BOTH TRAVEL LANES TO A DEPTH OF 1-1/2" AND REPAVE WITH 1-1/2" OF NEW AC. LIMITS OF PAVEMENT IMPROVEMENTS TO MEET AND MATCH EXISTING PAVEMENT. PROVIDE A SMOOTH TRANSITION BETWEEN SURFACES.</p> |  |
| <p>④ CONSTRUCT 2" AC OVERLAY.</p>  |   |
| <p>⑤ LIMITS OF PAVEMENT IMPROVEMENTS TO MEET AND MATCH EXISTING PAVEMENT OR CONCRETE. PROVIDE A SMOOTH TRANSITION BETWEEN SURFACES.</p>  |   |
| <p>⑥ ADJUST EXISTING VALVE BOXES, MONUMENT COVERS AND MANHOLE COVERS TO GRADE.</p>   |  |

| ESTIMATED QUANTITIES            |           |
|---------------------------------|-----------|
| AC PULVERIZING .....            | 73,860 SF |
| AC EDGE PLANING .....           | 3,948 LF  |
| AC PAVEMENT .....               | 3,142 TN  |
| AC 1 1/2" PLANING .....         | 47,682 SF |
| ADJUST EXISTING VALVE BOX ..... | 26 EA     |
| ADJUST MANHOLE COVER .....      | 27 EA     |
| ADJUST MONUMENT BOX .....       | 5 EA      |

**NOTE**  
EXACT LOCATIONS OF 1 1/2" AC PLANNING FOR PAVEMENT REPAIRS WILL BE DETERMINED IN THE FIELD.



| REV | DATE | DESCRIPTION | APPR |
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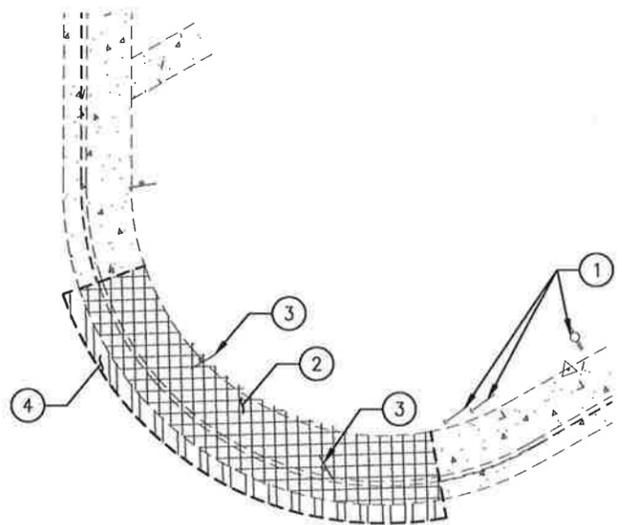
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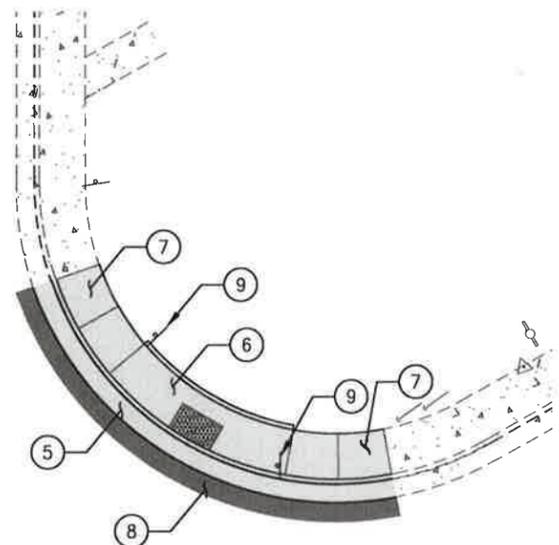
**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**EAST B STREET AND OVERLAND AVENUE**  
**IMPROVEMENTS**

| DESIGNED BY | DATE     | DRAWING        |
|-------------|----------|----------------|
| R. OROZCO   | 06/07/19 | <b>C-105</b>   |
| DRAWN BY    | DATE     | SHEET          |
| R. OROZCO   | 06/07/19 | <b>5</b>       |
| CHECKED BY  | DATE     | OF 19 SHEETS   |
| M. GOUVEIA  | 06/27/19 | PROJECT NUMBER |
| APPROVED    | DATE     | 845.06         |
| M. GOUVEIA  | 06/27/19 |                |

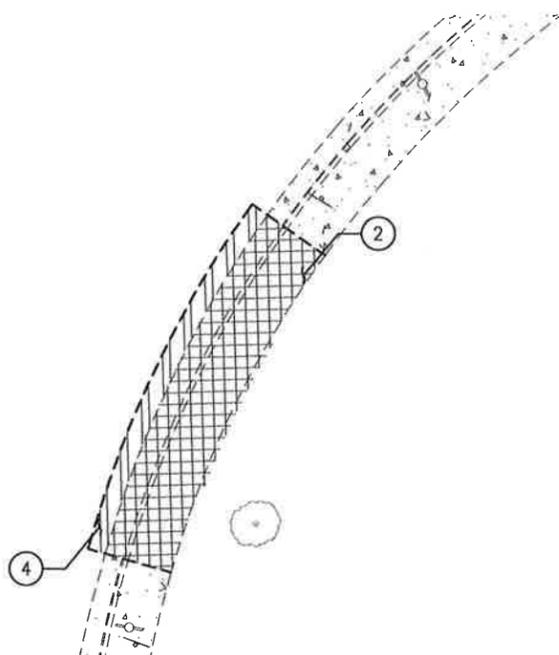
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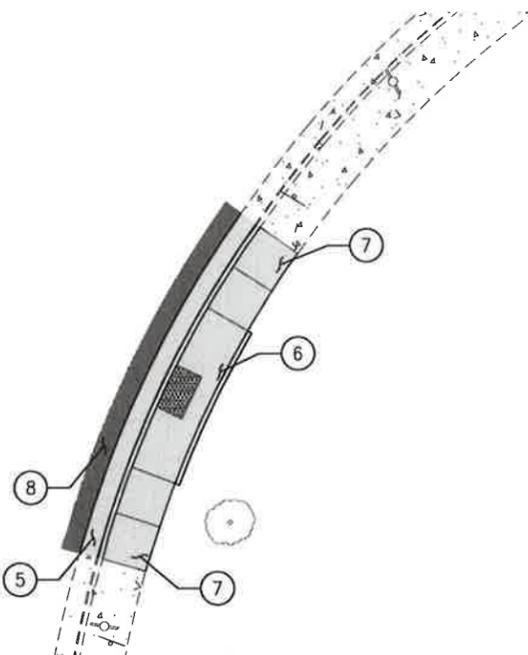
**B ST. & SEVENTH ST. NORTH DEMOLITION**



**B ST. & SEVENTH ST. NORTH IMPROVEMENTS**

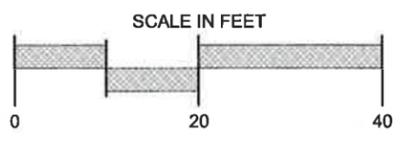


**B ST. & SEVENTH ST. SOUTH DEMOLITION**



**B ST. & SEVENTH ST. SOUTH IMPROVEMENTS**

| CONSTRUCTION NOTES |   | REFERENCE DETAIL |
|--------------------|---|------------------|
| 1                  | EXISTING UTILITY POLE, GUY WIRES, AND OVERHEAD LINES TO REMAIN AND BE PROTECTED IN PLACE.   |                  |
| 2                  | LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.   |                  |
| 3                  | EXISTING SIGN AND POST TO BE REMOVED AND SALVAGED.  |                  |
| 4                  | SAWCUT AND REMOVE EXISTING CONCRETE AND AC AS NECESSARY TO ACCOMMODATE PROPOSED IMPROVEMENTS.   |                  |
| 5                  | CONSTRUCT CURB AND GUTTER BETWEEN LIMITS OF CURB AND GUTTER REMOVAL. NEW CURB AND GUTTER SHALL HAVE A UNIFORM SLOPE MATCHING THE EXISTING FLOW LINES AT EITHER END. | 1<br>18          |
| 6                  | CONSTRUCT CASE C CURB RAMP.   | 3<br>18          |
| 7                  | CONSTRUCT SIDEWALK TRANSITION BETWEEN EXISTING AND PROPOSED IMPROVEMENTS.   |                  |
| 8                  | CONSTRUCT AC PAVEMENT REPAIR.   | 4<br>18          |
| 9                  | REINSTALL SALVAGED SIGN A ON NEW POST.  | 5<br>17          |



Jun 24, 2019 - 7:26am  
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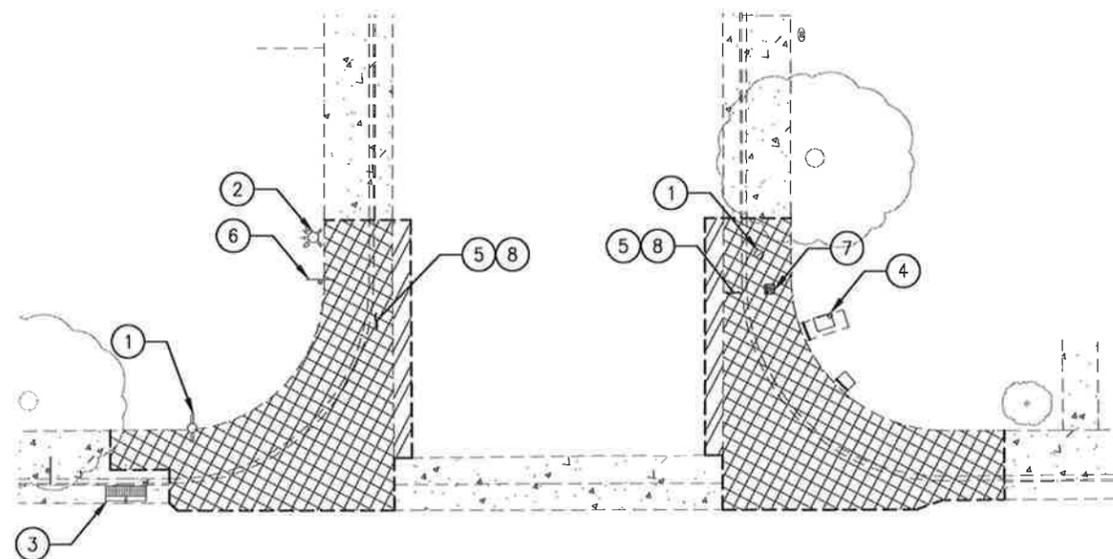
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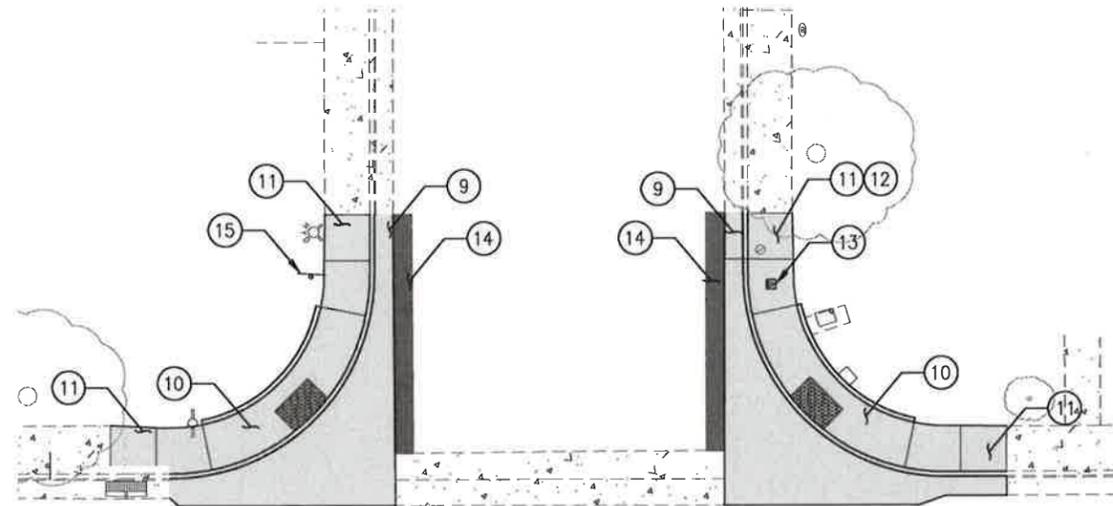
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**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**B STREET AND SEVENTH STREET**  
**INTERSECTION IMPROVEMENTS**

|                          |                  |                          |
|--------------------------|------------------|--------------------------|
| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-106</b>  |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 | SHEET<br><b>6</b>        |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 | OF 19 SHEETS             |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 | PROJECT NUMBER<br>845.06 |



**B ST. & ABBY CIR. DEMOLITION**



**B ST. & ABBY CIR. IMPROVEMENTS**

**CONSTRUCTION NOTES**

- ① EXISTING UTILITY POLE AND OVERHEAD LINES TO REMAIN AND BE PROTECTED IN PLACE.
- ② EXISTING FIRE HYDRANT TO REMAIN AND BE PROTECTED IN PLACE.
- ③ EXISTING STORM DRAIN INLET TO REMAIN AND BE PROTECTED IN PLACE.
- ④ EXISTING MAIL BOX TO REMAIN AND BE PROTECTED IN PLACE.
- ⑤ LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.
- ⑥ EXISTING SIGN TO BE REMOVED AND SALVAGED.
- ⑦ EXISTING WATER METER BOX TO BE REMOVED AND SALVAGED.
- ⑧ SAWCUT AND REMOVE EXISTING CONCRETE AND AC AS NECESSARY TO ACCOMMODATE PROPOSED IMPROVEMENTS.
- ⑨ CONSTRUCT CURB AND GUTTER BETWEEN LIMITS OF CURB AND GUTTER REMOVAL. NEW CURB AND GUTTER SHALL HAVE A UNIFORM SLOPE MATCHING THE EXISTING FLOW LINES AT EITHER END. INCLUDES RECONSTRUCTION OF VALLEY GUTTER.
- ⑩ CONSTRUCT CASE C CURB RAMP.
- ⑪ CONSTRUCT SIDEWALK TRANSITION BETWEEN EXISTING AND PROPOSED IMPROVEMENTS.
- ⑫ MAINTAIN A MINIMUM 3 FOOT CLEAR PATH OF TRAVEL ADJACENT TO UTILITY POLE.
- ⑬ INSTALL NEW WATER METER BOX AND LID.
- ⑭ CONSTRUCT AC PAVEMENT REPAIR.
- ⑮ REINSTALL SALVAGED SIGN ON A NEW POST.

REFERENCE  
DETAIL

①  
18

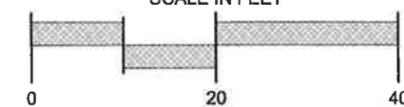
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③  
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④  
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⑤  
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SCALE IN FEET



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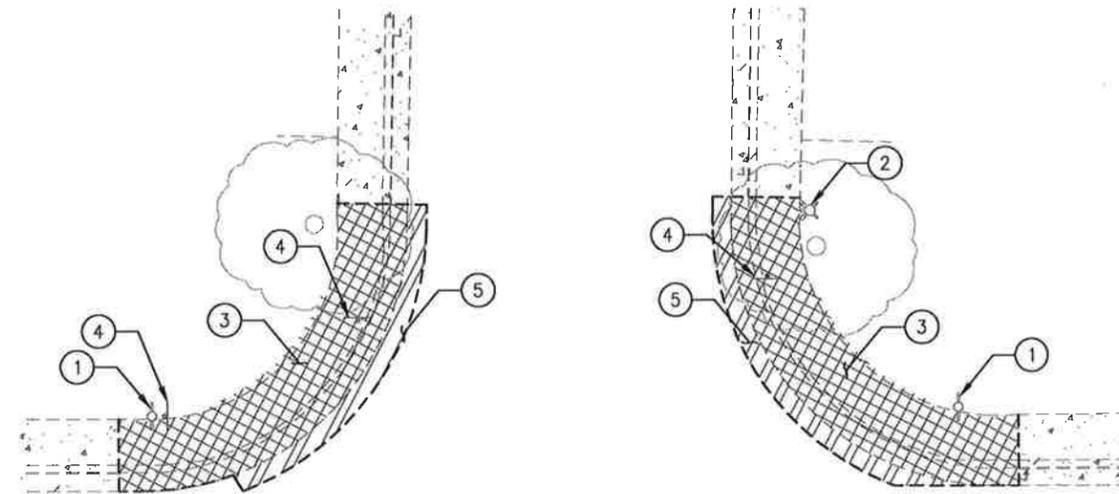
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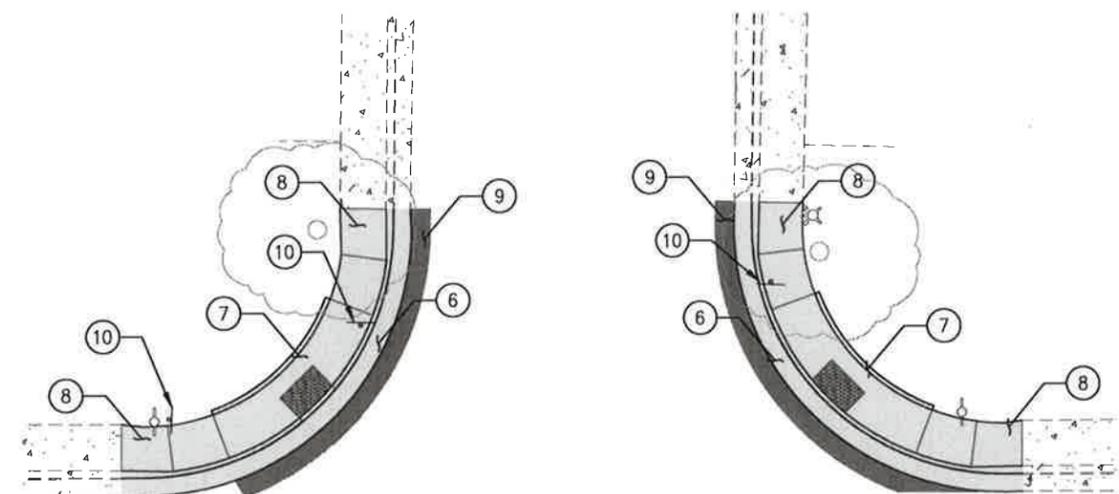
**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**B STREET AND ABBY CIRCLE**  
**INTERSECTION IMPROVEMENTS**

|                          |                  |  |
|--------------------------|------------------|--|
| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-107</b>                  |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 |  |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 | SHEET<br><b>7</b>                        |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 | OF 19 SHEETS<br>PROJECT NUMBER<br>845.06 |

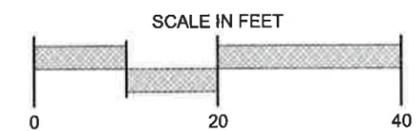
| CONSTRUCTION NOTES |   | REFERENCE DETAIL |
|--------------------|---|------------------|
| ①                  | EXISTING UTILITY POLE AND OVERHEAD LINES TO REMAIN AND BE PROTECTED IN PLACE.   |                  |
| ②                  | EXISTING FIRE HYDRANT TO REMAIN AND BE PROTECTED IN PLACE.  |                  |
| ③                  | LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.   |                  |
| ④                  | EXISTING SIGN TO BE REMOVED AND SALVAGED.   |                  |
| ⑤                  | SAWCUT AND REMOVE EXISTING CONCRETE AND AC AS NECESSARY TO ACCOMMODATE PROPOSED IMPROVEMENTS.   |                  |
| ⑥                  | CONSTRUCT CURB AND GUTTER BETWEEN LIMITS OF CURB AND GUTTER REMOVAL. NEW CURB AND GUTTER SHALL HAVE A UNIFORM SLOPE MATCHING THE EXISTING FLOW LINES AT EITHER END. | ①<br>18          |
| ⑦                  | CONSTRUCT CASE C CURB RAMP.   | ③<br>18          |
| ⑧                  | CONSTRUCT SIDEWALK TRANSITION BETWEEN EXISTING AND PROPOSED IMPROVEMENTS.   | ④<br>18          |
| ⑨                  | CONSTRUCT AC PAVEMENT REPAIR.   | ⑤<br>17          |
| ⑩                  | REINSTALL SALVAGED SIGN ON A NEW POST.  |                  |



**B ST. & SANTA RITA ST. DEMOLITION**



**B ST. & SANTA RITA ST. IMPROVEMENTS**



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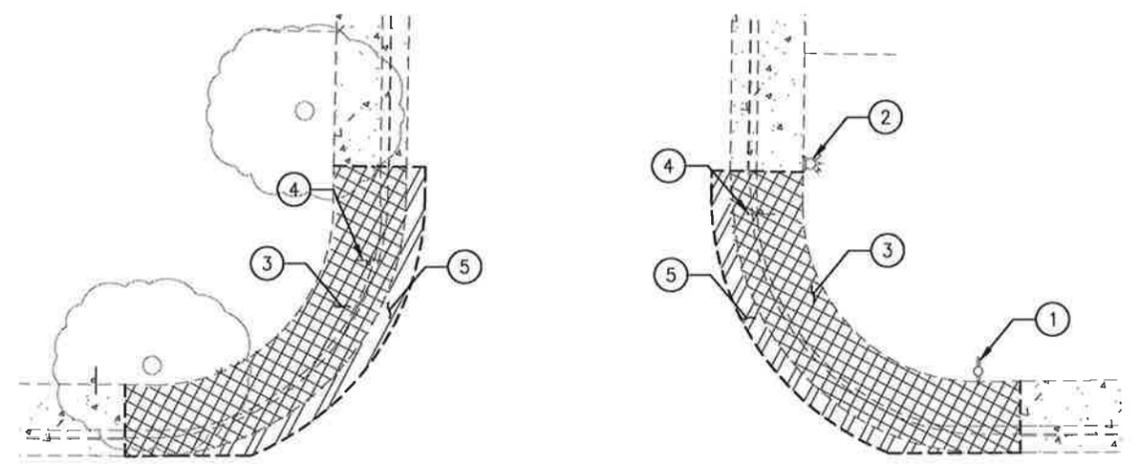
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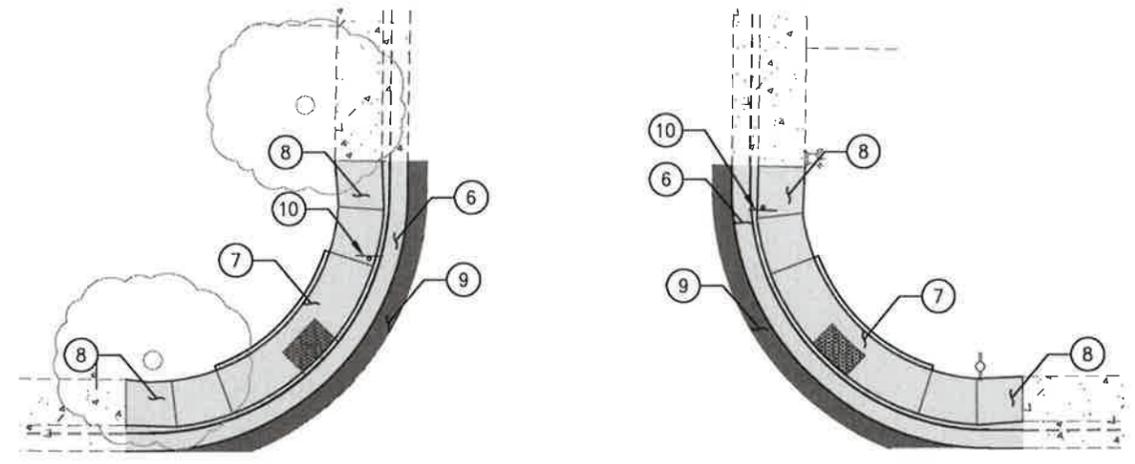
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**2019 STREET REHABILITATIONS**  
**B STREET AND SANTA RITA STREET**  
**INTERSECTION IMPROVEMENTS**

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| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-108</b>  |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 | SHEET<br><b>8</b>        |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 | OF 19 SHEETS             |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 | PROJECT NUMBER<br>845.06 |

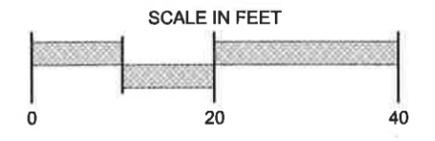
| CONSTRUCTION NOTES |   | REFERENCE<br>DETAIL |
|--------------------|---|---------------------|
| ①                  | EXISTING UTILITY POLE AND OVERHEAD LINES TO REMAIN AND BE PROTECTED IN PLACE.   |                     |
| ②                  | EXISTING FIRE HYDRANT TO REMAIN AND BE PROTECTED IN PLACE.  |                     |
| ③                  | LOCATE AND PROTECT EXISTING UTILITIES IN PLACE.   |                     |
| ④                  | EXISTING SIGN TO BE REMOVED AND SALVAGED.   |                     |
| ⑤                  | SAWCUT AND REMOVE EXISTING CONCRETE AND AC AS NECESSARY TO ACCOMMODATE PROPOSED IMPROVEMENTS.   |                     |
| ⑥                  | CONSTRUCT CURB AND GUTTER BETWEEN LIMITS OF CURB AND GUTTER REMOVAL. NEW CURB AND GUTTER SHALL HAVE A UNIFORM SLOPE MATCHING THE EXISTING FLOW LINES AT EITHER END. | ①<br>18             |
| ⑦                  | CONSTRUCT CASE C CURB RAMP.   | ③<br>18             |
| ⑧                  | CONSTRUCT SIDEWALK TRANSITION BETWEEN EXISTING AND PROPOSED IMPROVEMENTS.   | ④<br>18             |
| ⑨                  | CONSTRUCT AC PAVEMENT REPAIR.   | ⑤<br>17             |
| ⑩                  | REINSTALL SALVAGED SIGN AND POST OUTSIDE PROPOSED IMPROVEMENTS.   |                     |



**B ST. & SANTA ROSA ST. DEMOLITION**



**B ST. & SANTA ROSA ST. IMPROVEMENTS**



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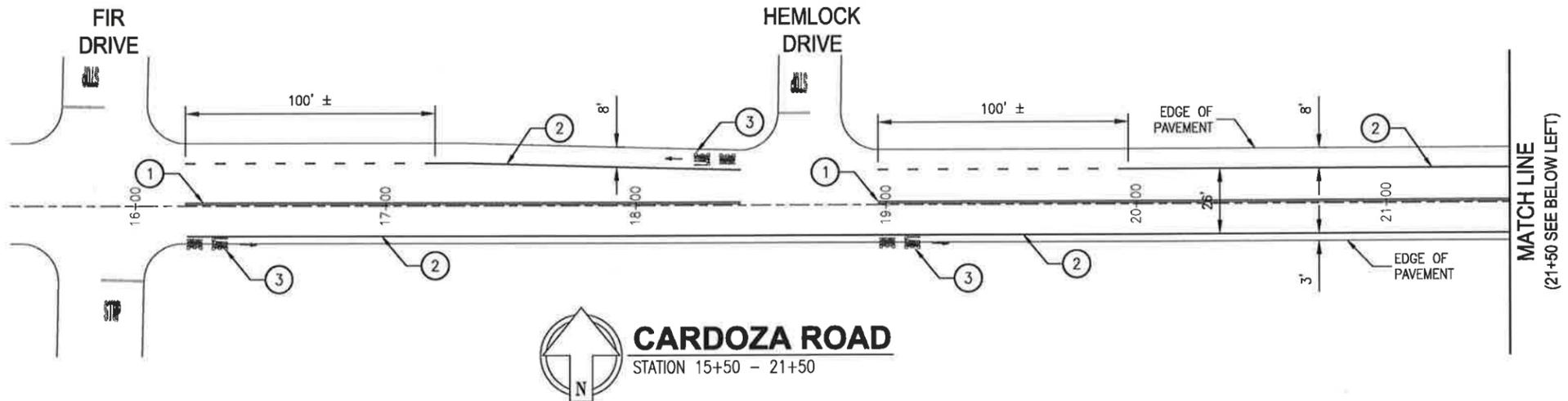
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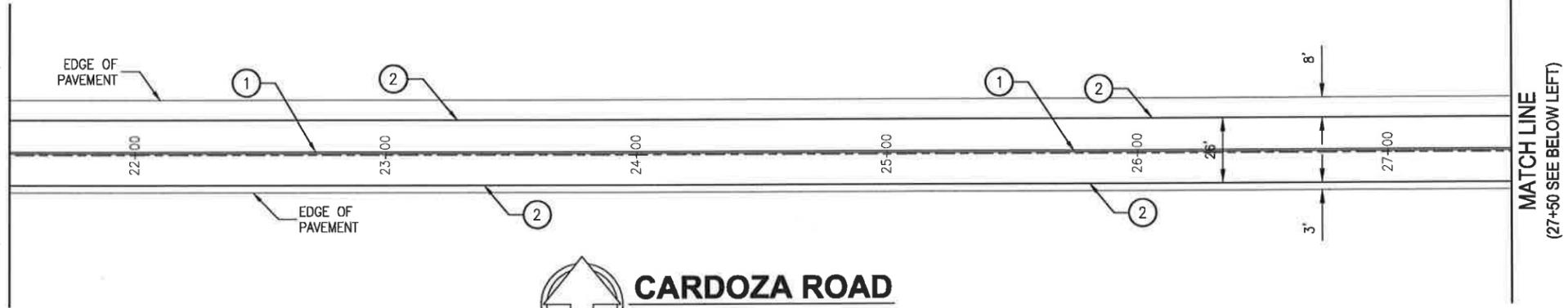
**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**B STREET AND SANTA ROSA STREET**  
**INTERSECTION IMPROVEMENTS**

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|--------------------------|------------------|--|
| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-109</b>                  |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 |  |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 | SHEET<br><b>9</b>                        |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 | OF 19 SHEETS<br>PROJECT NUMBER<br>845.06 |

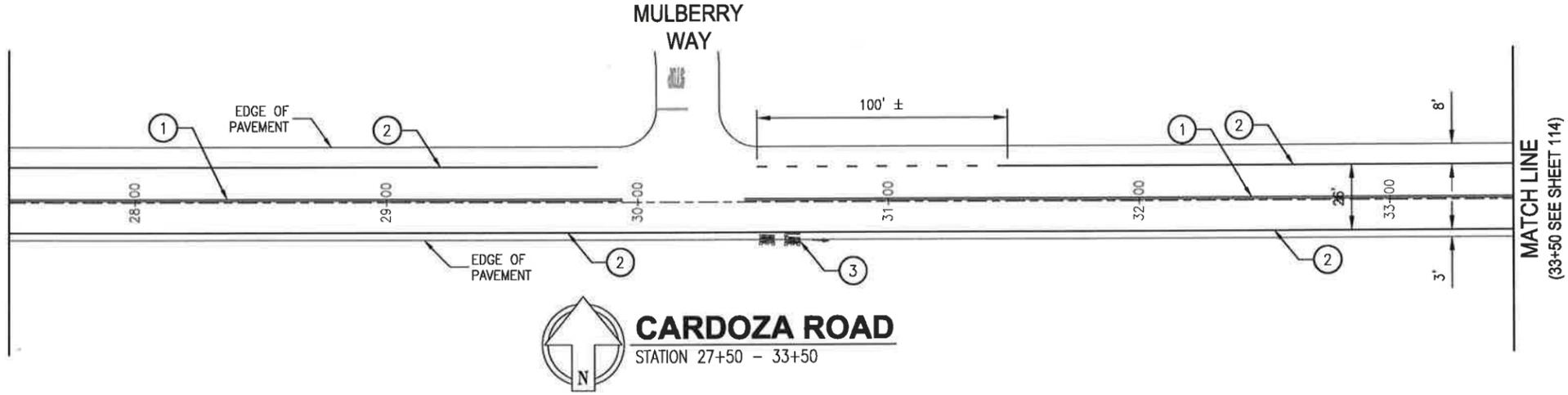




**CARDOZA ROAD**  
STATION 15+50 - 21+50



**CARDOZA ROAD**  
STATION 21+50 - 27+50



**CARDOZA ROAD**  
STATION 27+50 - 33+50

**CONSTRUCTION NOTES**

- ① APPLY DOUBLE SOLID 4 INCH YELLOW THERMOPLASTIC CENTERLINE STRIPING (SEE MUTCD STANDARD DETAIL 21).
- ② APPLY 6 INCH WHITE PAINT STRIPING - SOLID (DETAIL 39) OR DASHED (DETAIL 39A) AS SHOWN IN THE PLANS.
- ③ APPLY WHITE PAINT BIKE SYMBOL AS SHOWN ON PLANS (SEE MUTCD FIGURE 9C-3 DETAIL C).

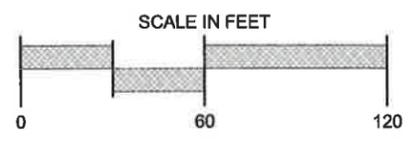
NOTE: CALIFORNIA MUTCD 2014 REV 3 WAS USED TO DEVELOP THIS PLAN.

**ESTIMATED QUANTITIES**

|                                 |       |    |
|---------------------------------|-------|----|
| 6" PAINT STRIPING .....         | 2,950 | LF |
| 4" THERMOPLASTIC STRIPING ..... | 1,750 | LF |
| THERMOPLASTIC MARKINGS .....    | 32    | SF |
| PAINT MARKINGS .....            | 48    | SF |

**NOTE**

ROADWAY SECTIONS WITH NO MARKINGS OR STRIPING IMPROVEMENTS HAVE BEEN OMITTED FROM THIS SHEET. HOWEVER, APPLY THERMOPLASTIC "STOP" MARKING AND STOP BAR AT WEST 1 STREET DAMAGED AS A RESULT OF CONSTRUCTION.



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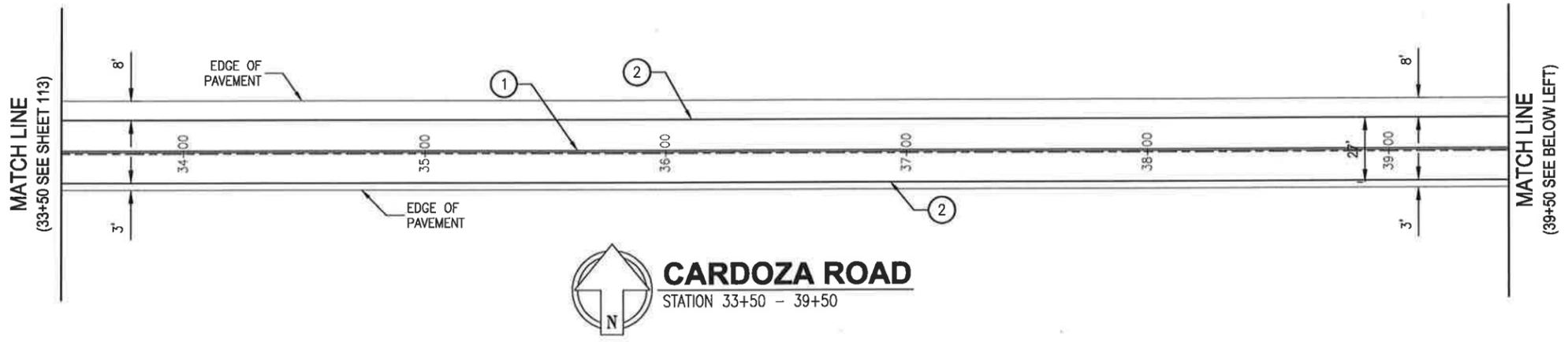
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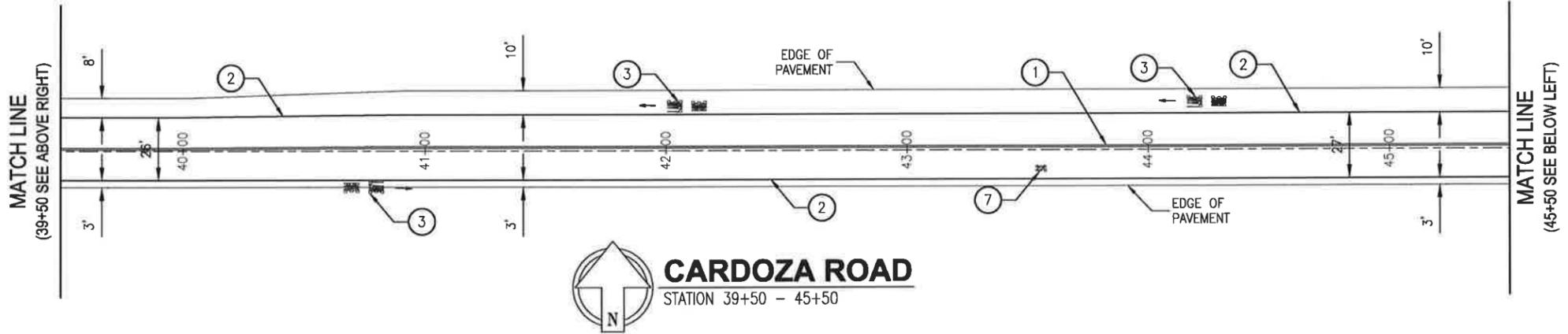
**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**STRIPING PLAN CARDOZA ROAD**  
**STATION: 15+50 TO 33+50**

|                          |                  |  |
|--------------------------|------------------|--|
| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-111</b>  |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 |  |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 | SHEET<br><b>11</b><br>OF 19 SHEETS<br>PROJECT NUMBER<br>845.06 |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 |  |



**CARDOZA ROAD**  
STATION 33+50 - 39+50

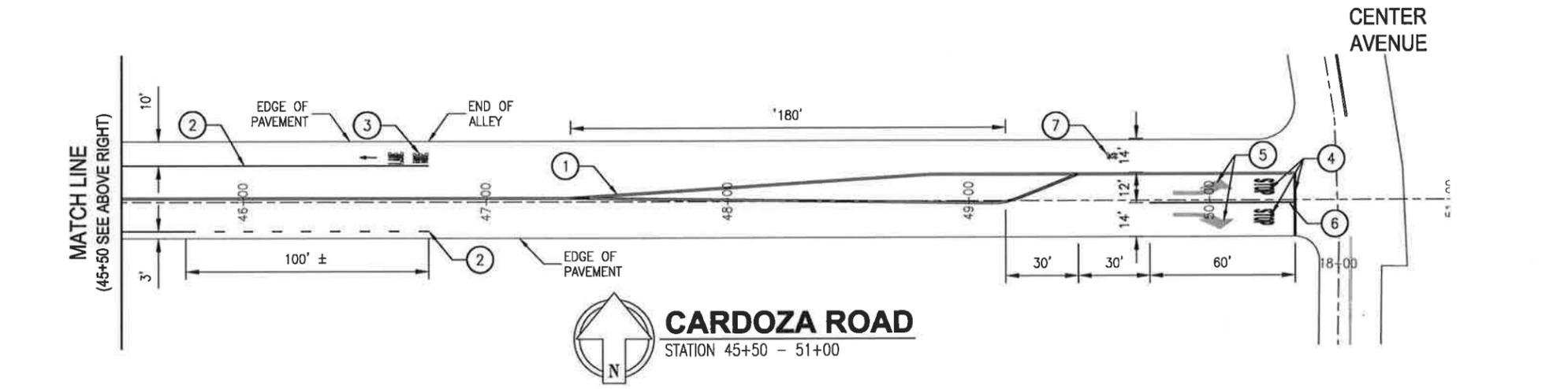
- ### CONSTRUCTION NOTES
- ① APPLY DOUBLE SOLID 4 INCH YELLOW THERMOPLASTIC CENTERLINE STRIPING (SEE MUTCD STANDARD DETAIL 21).
  - ② APPLY 6 INCH WHITE PAINT STRIPING - SOLID (DETAIL 39) OR DASHED (DETAIL 39A) AS SHOWN IN THE PLANS.
  - ③ APPLY WHITE BIKE SYMBOL AS SHOWN ON PLANS (SEE MUTCD FIGURE 9C-3 DETAIL C).
  - ④ APPLY THERMOPLASTIC "STOP" MARKING AND STOP BAR.
  - ⑤ APPLY THERMOPLASTIC CALTRANS TYPE III TURN ARROW, DIRECTION AS SPECIFIED.
  - ⑥ APPLY 8 INCH THERMOPLASTIC STRIPING.
  - ⑦ APPLY THERMOPLASTIC "35" MARKINGS AS SPECIFIED BY CALTRANS.
- NOTE: CALIFORNIA MUTCD 2014 REV 3 WAS USED TO DEVELOP THIS PLAN.



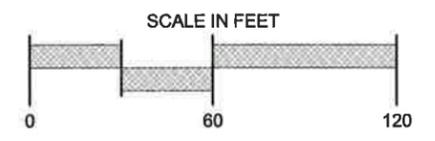
**CARDOZA ROAD**  
STATION 39+50 - 45+50

### ESTIMATED QUANTITIES

|                                 |          |
|---------------------------------|----------|
| 6" PAINT STRIPING .....         | 2,950 LF |
| 4" THERMOPLASTIC STRIPING ..... | 1,750 LF |
| 8" THERMOPLASTIC STRIPING ..... | 60 LF    |
| THERMOPLASTIC MARKINGS .....    | 212 SF   |
| PAINT MARKINGS .....            | 48 SF    |



**CARDOZA ROAD**  
STATION 45+50 - 51+00



**811**  
Know what's below.  
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Jun 28, 2019 - 8:09am  
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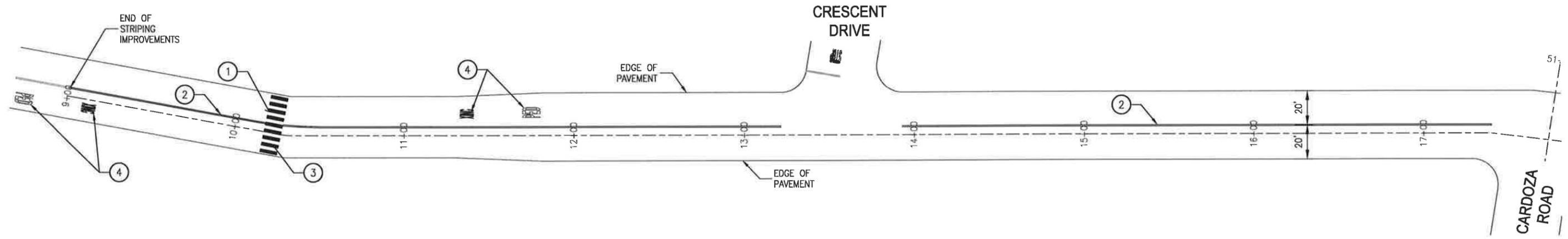
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**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**STRIPING PLAN CARDOZA ROAD**  
**STATION: 33+50 TO 51+50**

|                          |                  |  |
|--------------------------|------------------|--|
| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-112</b>  |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 |  |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 | SHEET<br><b>12</b><br>OF 19 SHEETS<br>PROJECT NUMBER<br>845.06 |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 |  |




**CENTER AVENUE**  
 STATION 9+00 - 17+50

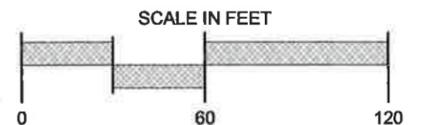
**CONSTRUCTION NOTES**

- REMOVE AND SALVAGE EXISTING LIGHTED CROSS WALK ASSEMBLY. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY STORAGE OF INGROUND LIGHTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REINSTALL FLASHING CROSSWALK LIGHTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS DIRECTED BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR TESTING AND REINSTALLING CROSSWALK TO A FULLY OPERATIONAL CONDITION.
- ① REINSTALL FLASHING CROSSWALK LIGHTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS DIRECTED BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR TESTING AND REINSTALLING CROSSWALK TO A FULLY OPERATIONAL CONDITION.
  - ② APPLY DOUBLE SOLID 4 INCH YELLOW THERMOPLASTIC CENTERLINE STRIPING (SEE MUTCD STANDARD DETAIL 21).
  - ③ APPLY WHITE THERMOPLASTIC PEDESTRIAN CROSSWALK 24" BARS AND GAPS - 10' WIDTH - COLOR TO BE WHITE. (SEE MUTCD FIGURE 3B-19(CA))
  - ④ APPLY THERMOPLASTIC "PED XING" MARKING.

NOTE: CALIFORNIA MUTCD 2014 REV 3 WAS USED TO DEVELOP THIS PLAN.

**ESTIMATED QUANTITIES**

|                                 |     |    |
|---------------------------------|-----|----|
| 4" THERMOPLASTIC STRIPING ..... | 668 | LF |
| THERMOPLASTIC MARKINGS .....    | 258 | SF |



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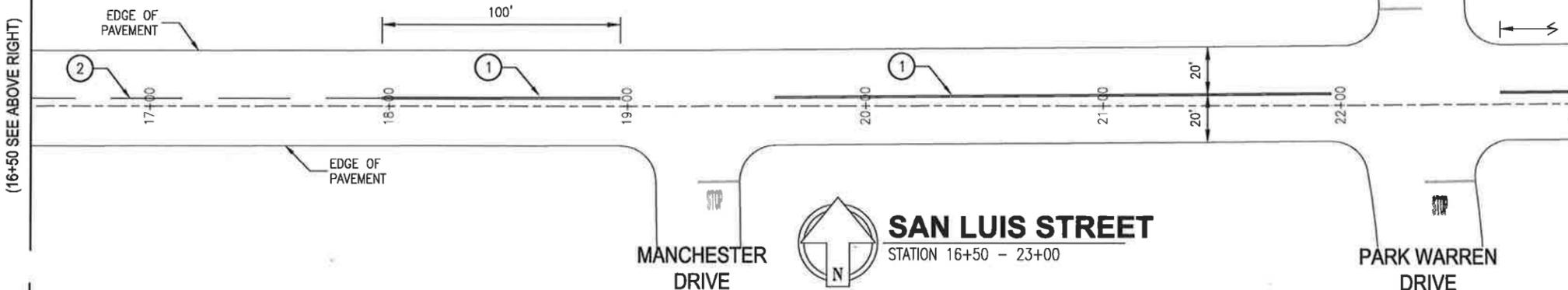
**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**STRIPING PLAN CENTER AVENUE**  
**STATION: 9+00 TO 17+50**

|                          |                  |  |
|--------------------------|------------------|--|
| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | <b>DRAWING</b><br><b>C-113</b><br>SHEET<br><b>13</b><br>OF 19 SHEETS<br>PROJECT NUMBER<br>845.06 |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 |  |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 |  |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 |  |

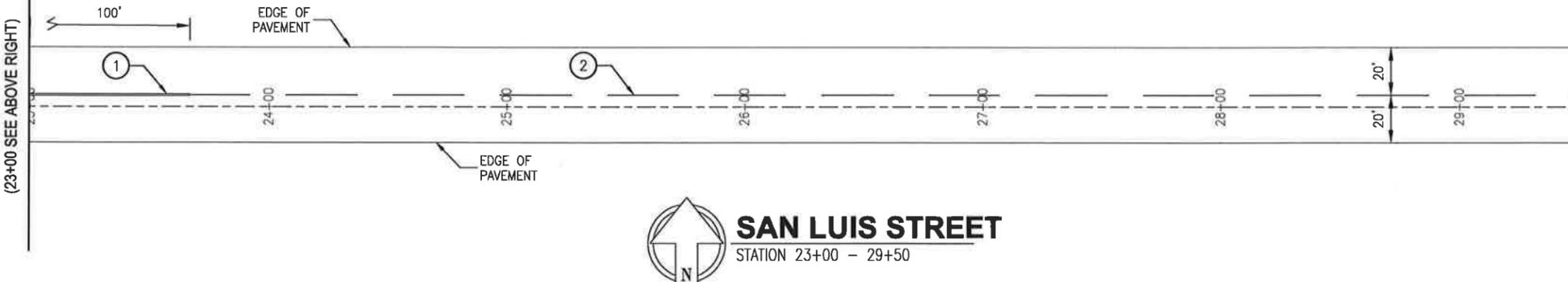
PLACE ROAD



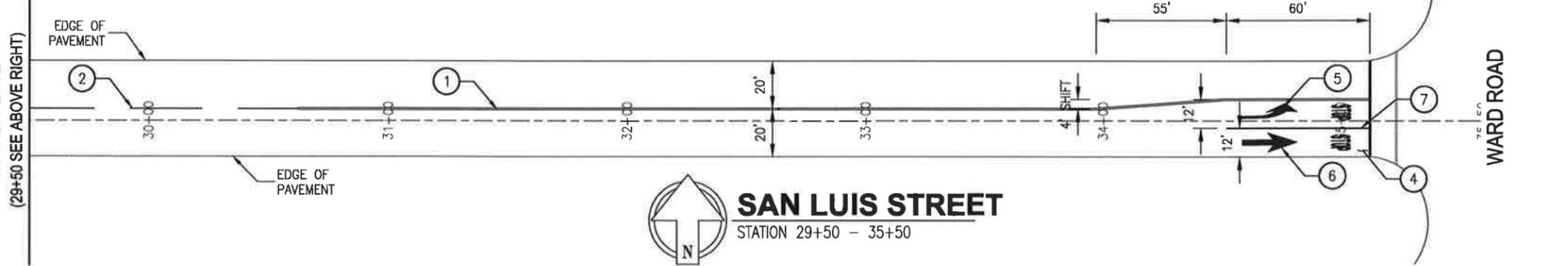
MATCH LINE  
(16+50 SEE BELOW LEFT)



MATCH LINE  
(23+00 SEE BELOW LEFT)



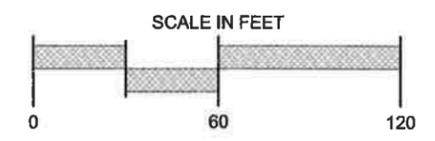
MATCH LINE  
(29+50 SEE BELOW LEFT)



MATCH LINE  
(29+50 SEE ABOVE RIGHT)

| CONSTRUCTION NOTES   |   |
|--|---|
| ①  | APPLY DOUBLE 4 INCH SOLID YELLOW THERMOPLASTIC CENTERLINE STRIPING (SEE MUTCD STANDARD DETAIL 21), AS SHOWN ON PLANS. |
| ②  | APPLY SINGLE DASHED 4 INCH YELLOW THERMOPLASTIC CENTERLINE STRIPING (SEE MUTCD STANDARD DETAIL 1), AS SHOWN ON PLANS. |
| ③  | APPLY SINGLE SOLID 4 INCH WHITE THERMOPLASTIC STRIPING (SEE MUTCD STANDARD DETAIL 8)                                  |
| ④  | APPLY THERMOPLASTIC "STOP" MARKING AND STOP BAR, AS SHOWN IN PLANS.   |
| ⑤  | APPLY THERMOPLASTIC CALTRANS TYPE III TURN ARROW, DIRECTION AS SPECIFIED.   |
| ⑥  | APPLY THERMOPLASTIC CALTRANS TYPE I STRAIGHT ARROW.   |
| ⑦  | APPLY 8 INCH WHITE THERMOPLASTIC STRIPING.  |
| NOTE: CALIFORNIA MUTCD 2014 REV 3 WAS USED TO DEVELOP THIS PLAN. |   |

| ESTIMATED QUANTITIES             |          |
|----------------------------------|----------|
| 4" SINGLE THERMOPLASTIC STRIPING | 1,579 LF |
| 4" DOUBLE THERMOPLASTIC STRIPING | 1,101 LF |
| 8" THERMOPLASTIC STRIPING        | 60 LF    |
| THERMOPLASTIC MARKINGS           | 172 SF   |



Jun 28, 2019 - 8:57am  
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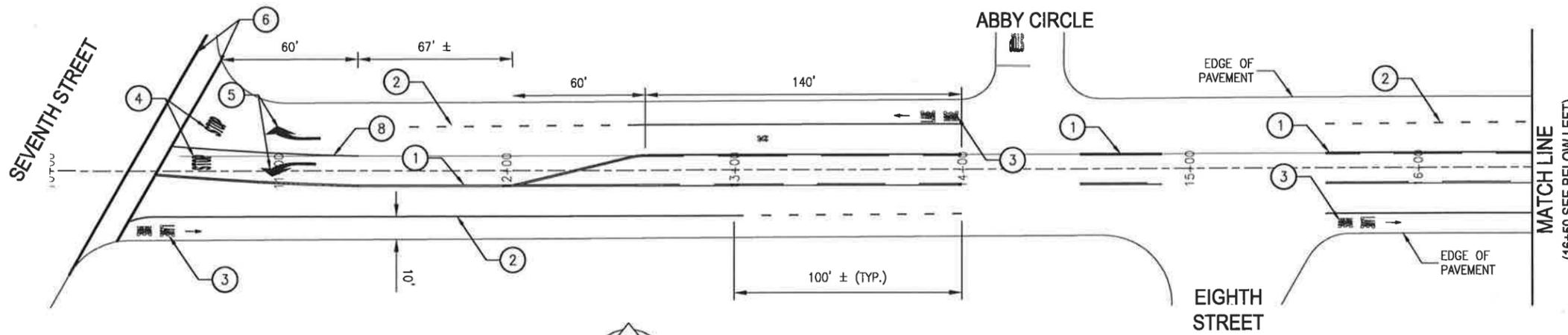
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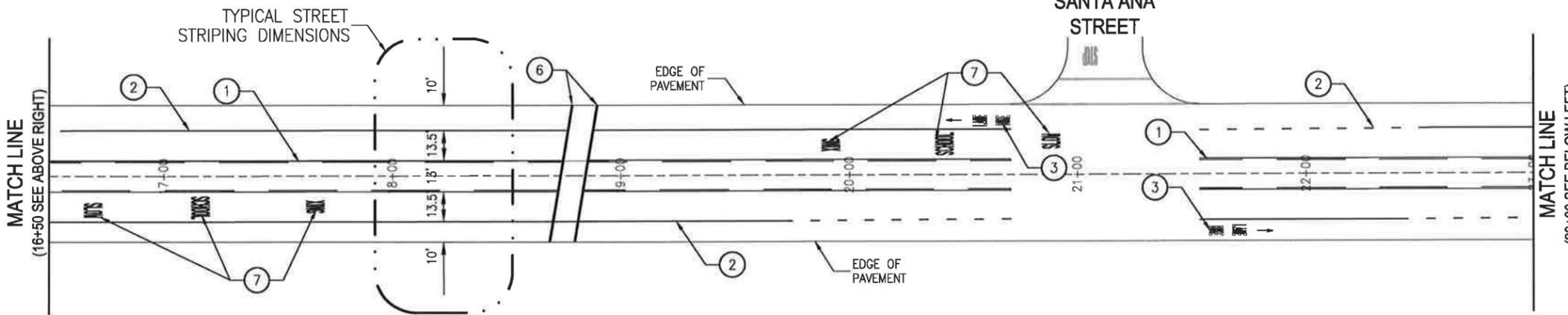
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**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**STRIPING PLAN SAN LUIS STREET**  
**STATION: 10+00 TO 35+50**

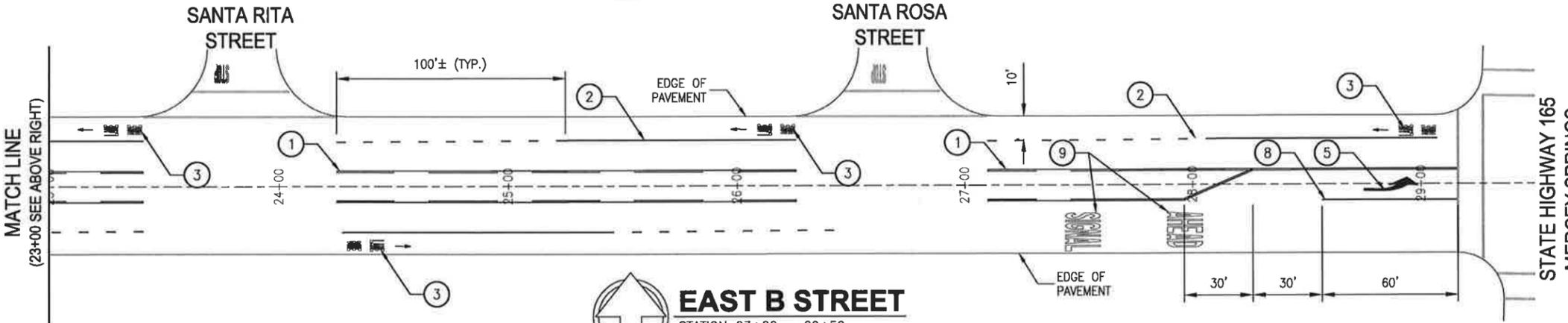
| DESIGNED BY | DATE     | DRAWING        |
|-------------|----------|----------------|
| R. OROZCO   | 06/07/19 | <b>C-114</b>   |
| DRAWN BY    | DATE     | SHEET          |
| R. OROZCO   | 06/07/19 | <b>14</b>      |
| CHECKED BY  | DATE     | OF 19 SHEETS   |
| M. GOUVEIA  | 06/27/19 | PROJECT NUMBER |
| APPROVED    | DATE     | 845.06         |
| M. GOUVEIA  | 06/27/19 |                |



**EAST B STREET**  
STATION 10+00 - 16+50



**EAST B STREET**  
STATION 16+50 - 23+00



**EAST B STREET**  
STATION 23+00 - 29+50

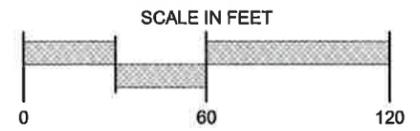
**CONSTRUCTION NOTES**

- ① APPLY DOUBLE 4 INCH YELLOW THERMOPLASTIC MEDIAN STRIPING (SEE MUTCD STANDARD DETAIL 31).
- ② APPLY 6 INCH WHITE PAINT STRIPING - SOLID (DETAIL 39) OR DASHED (DETAIL 39A) AS SHOWN IN THE PLANS.
- ③ APPLY WHITE PAINT BIKE SYMBOL AS SHOWN ON PLANS (SEE MUTCD FIGURE 9C-3 DETAIL C).
- ④ APPLY THERMOPLASTIC "STOP" MARKING.
- ⑤ APPLY THERMOPLASTIC CALTRANS TYPE III TURN ARROW, DIRECTION AS SPECIFIED.
- ⑥ APPLY THERMOPLASTIC PEDESTRIAN CROSSWALK 12" LIMIT LINES - 10' CLEAR WIDTH - COLOR TO BE YELLOW.
- ⑦ APPLY THERMOPLASTIC "SLOW SCHOOL XING" MARKING.
- ⑧ APPLY 8 INCH SOLID THERMOPLASTIC STRIPING.
- ⑨ APPLY "SIGNAL AHEAD" THERMOPLASTIC MARKINGS.

NOTE: CALIFORNIA MUTCD 2014 REV 3 WAS USED TO DEVELOP THIS PLAN.

**ESTIMATED QUANTITIES**

|                                   |       |    |
|-----------------------------------|-------|----|
| 6" WHITE PAINT STRIPING .....     | 2,600 | LF |
| 4" THERMOPLASTIC CENTERLINE ..... | 2,970 | LF |
| 8" THERMOPLASTIC LINE .....       | 140   | LF |
| THERMOPLASTIC MARKINGS .....      | 480   | SF |
| PAINT MARKINGS .....              | 152   | SF |



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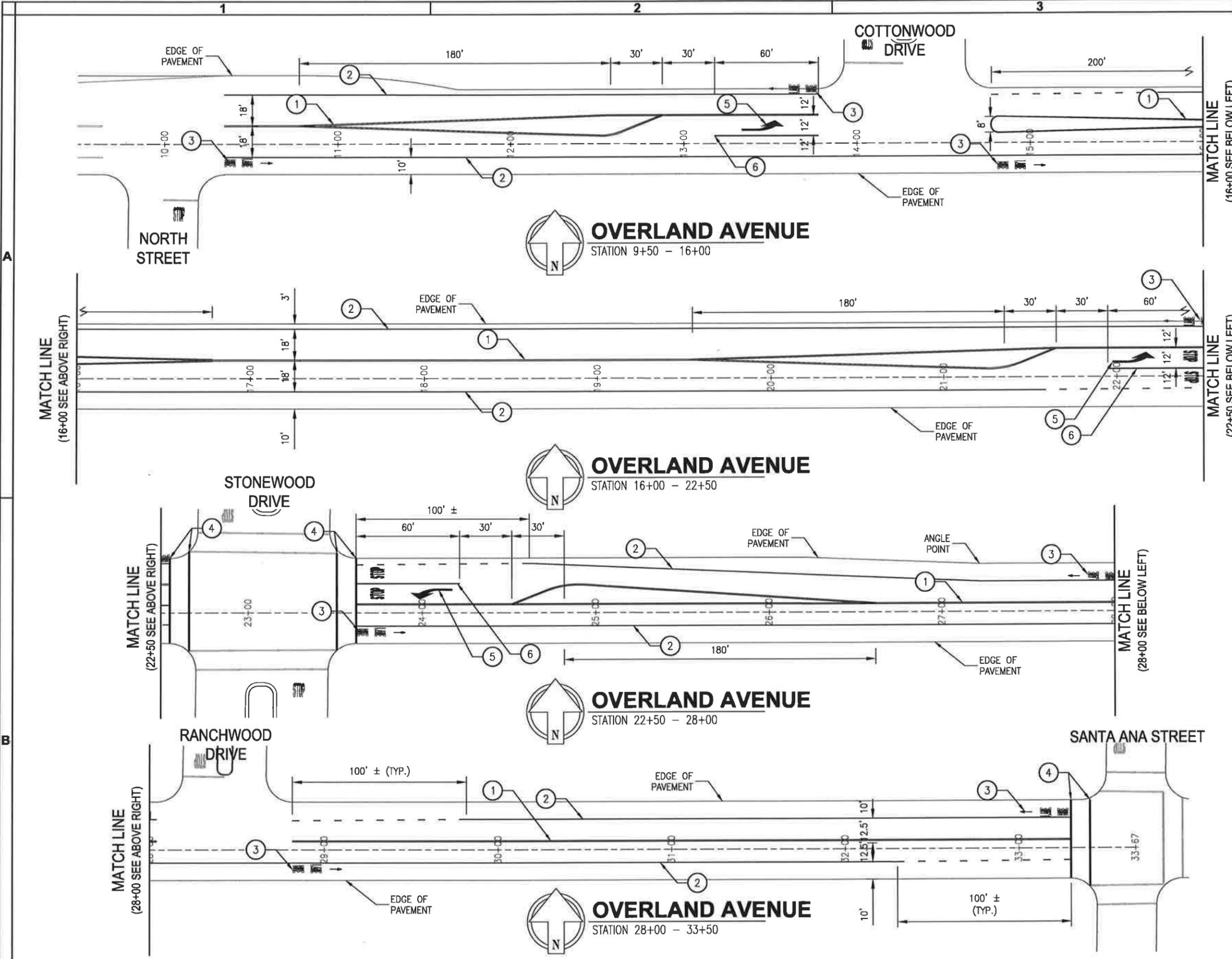
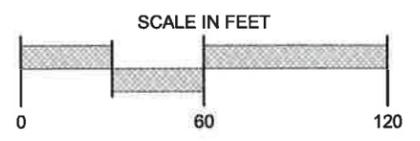
**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**STRIPING PLAN EAST B STREET**  
**STATION: 10+00 TO 29+50**

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| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-115</b><br>SHEET<br><b>15</b><br>OF 19 SHEETS<br>PROJECT NUMBER<br>845.06 |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 |   |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 |   |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 |   |
|                          |                  |   |

- ### CONSTRUCTION NOTES
- ① APPLY DOUBLE 4 INCH SOLID YELLOW THERMOPLASTIC CENTERLINE STRIPING (SEE MUTCD STANDARD DETAIL 21).
  - ② APPLY 6 INCH WHITE PAINT STRIPING – SOLID (DETAIL 39) OR DASHED (DETAIL 39A) AS SHOWN IN THE PLANS.
  - ③ APPLY WHITE PAINT BIKE SYMBOL AS SHOWN ON PLANS (SEE MUTCD FIGURE 9C-3 DETAIL C).
  - ④ APPLY THERMOPLASTIC PEDESTRIAN CROSSWALK 12" LIMIT LINES – 10' CLEAR WIDTH – COLOR TO BE WHITE. ALSO, APPLY "STOP" MARKINGS AS SHOWN ON PLANS.
  - ⑤ APPLY THERMOPLASTIC CALTRANS TYPE III TURN ARROW, DIRECTION AS SPECIFIED.
  - ⑥ APPLY 8 INCH SOLID THERMOPLASTIC STRIPING.
- NOTE: CALIFORNIA MUTCD 2014 REV 3 WAS USED TO DEVELOP THIS PLAN.

### ESTIMATED QUANTITIES

|                                 |       |    |
|---------------------------------|-------|----|
| 6" PAINT STRIPING .....         | 4,200 | LF |
| 4" THERMOPLASTIC STRIPING ..... | 2,997 | LF |
| 8" THERMOPLASTIC STRIPING ..... | 180   | LF |
| THERMOPLASTIC MARKINGS .....    | 370   | SF |
| PAINT MARKINGS .....            | 96    | SF |



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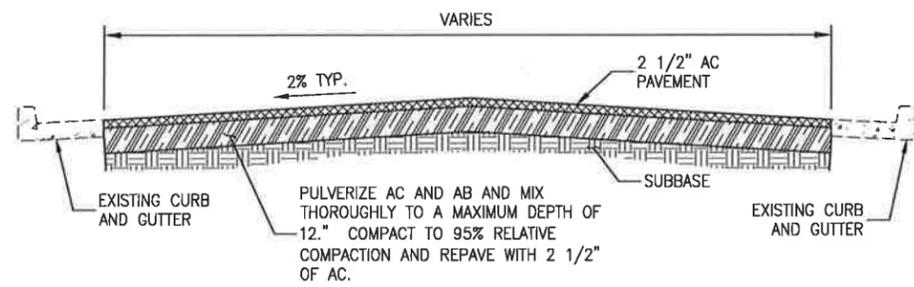
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**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**STRIPING PLAN OVERLAND AVENUE**  
**STATION: 9+50 TO 33+50**

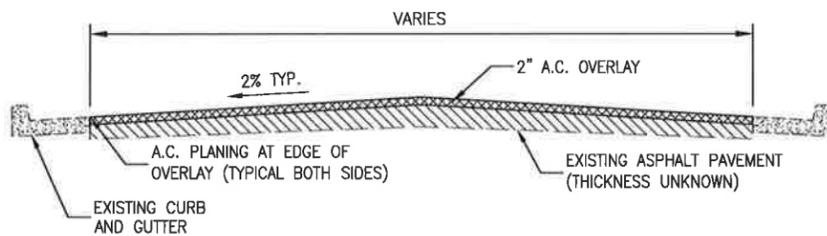
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| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-116</b>  |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 | SHEET<br><b>16</b>       |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 | OF 19 SHEETS             |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 | PROJECT NUMBER<br>845.06 |

Jun 26, 2019 - 9:01am  
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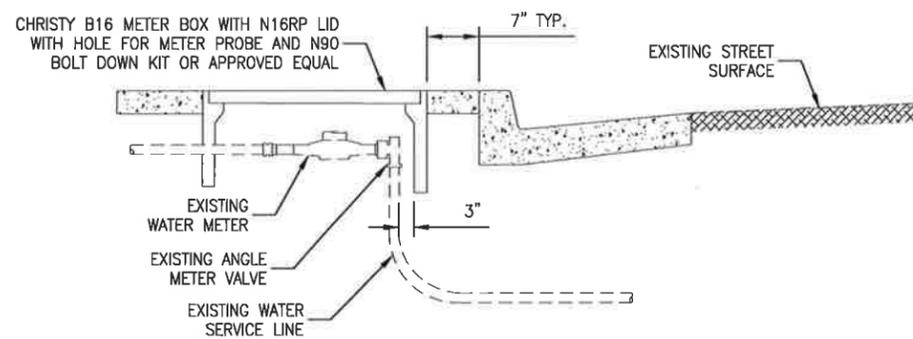
**1 TYPICAL PAVEMENT RECONSTRUCTION SECTION**

NOT TO SCALE



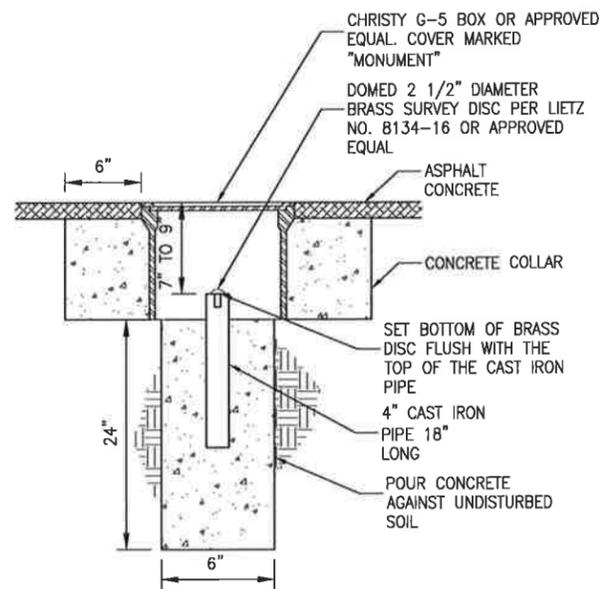
**2 TYPICAL PAVEMENT OVERLAY**

NOT TO SCALE

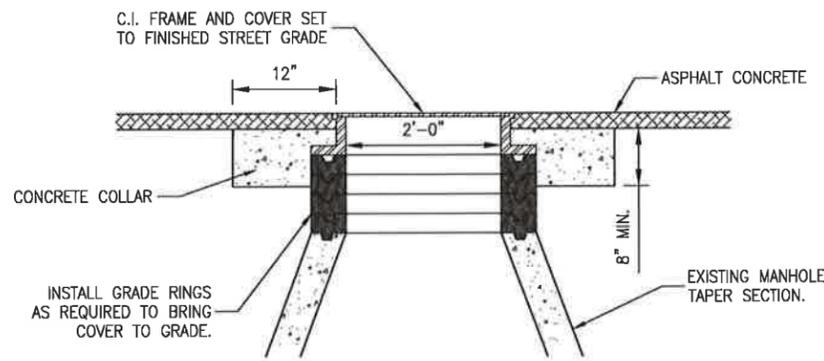


**3 METER BOX INSTALLATION**

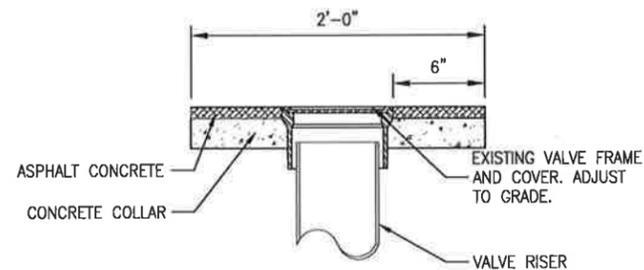
NOT TO SCALE



**MONUMENTATION ADJUSTMENT**



**MANHOLE ADJUSTMENT**



**VALVE BOX ADJUSTMENT**

**4 UTILITY ADJUSTMENTS**

NOT TO SCALE

**NOTES**

**ROAD RECONSTRUCTION**

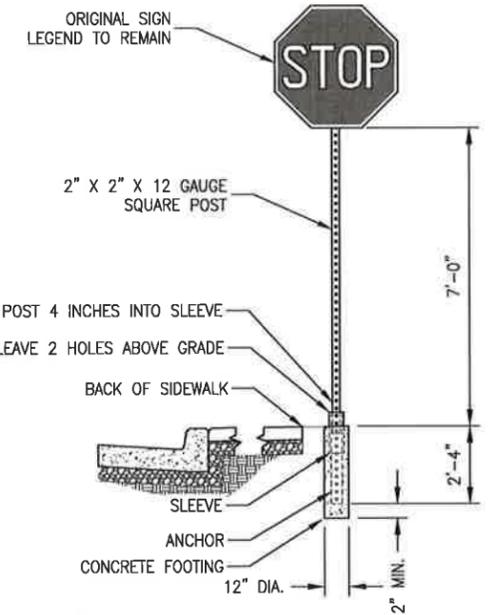
1. CONTRACTOR TO PULVERIZE EXISTING AC AND THOROUGHLY MIX WITH BASE MATERIAL AND AC GRINDINGS FROM OVERLAY PLANING OPERATIONS. COMPACT TO 95% RELATIVE COMPACTION.
2. LIMITS OF PULVERIZATION AS SPECIFIED ON PLANS.

**ADJUSTING UTILITIES TO GRADE**

3. CONTRACTOR MAY ADJUST MANHOLE, VALVE AND CLEANOUT COVERS TO GRADE PRIOR TO PAVING USING METAL GRADE RINGS SPECIFICALLY DESIGNED FOR THIS PURPOSE. ENGINEER'S APPROVAL OF PROPOSED GRADE RINGS IS REQUIRED PRIOR TO PERFORMING THE WORK.

**SIGN AND POST INSTALLATION**

4. DRIVE SLEEVE AND ANCHOR PIECE TOGETHER.
5. TOP OF ANCHOR AND SLEEVE SHALL REMAIN 1" TO 2" ABOVE FINISH GRADE.



**5 SIGN INSTALLATION**

NOT TO SCALE



Jun 28, 2019 - 8:26am  
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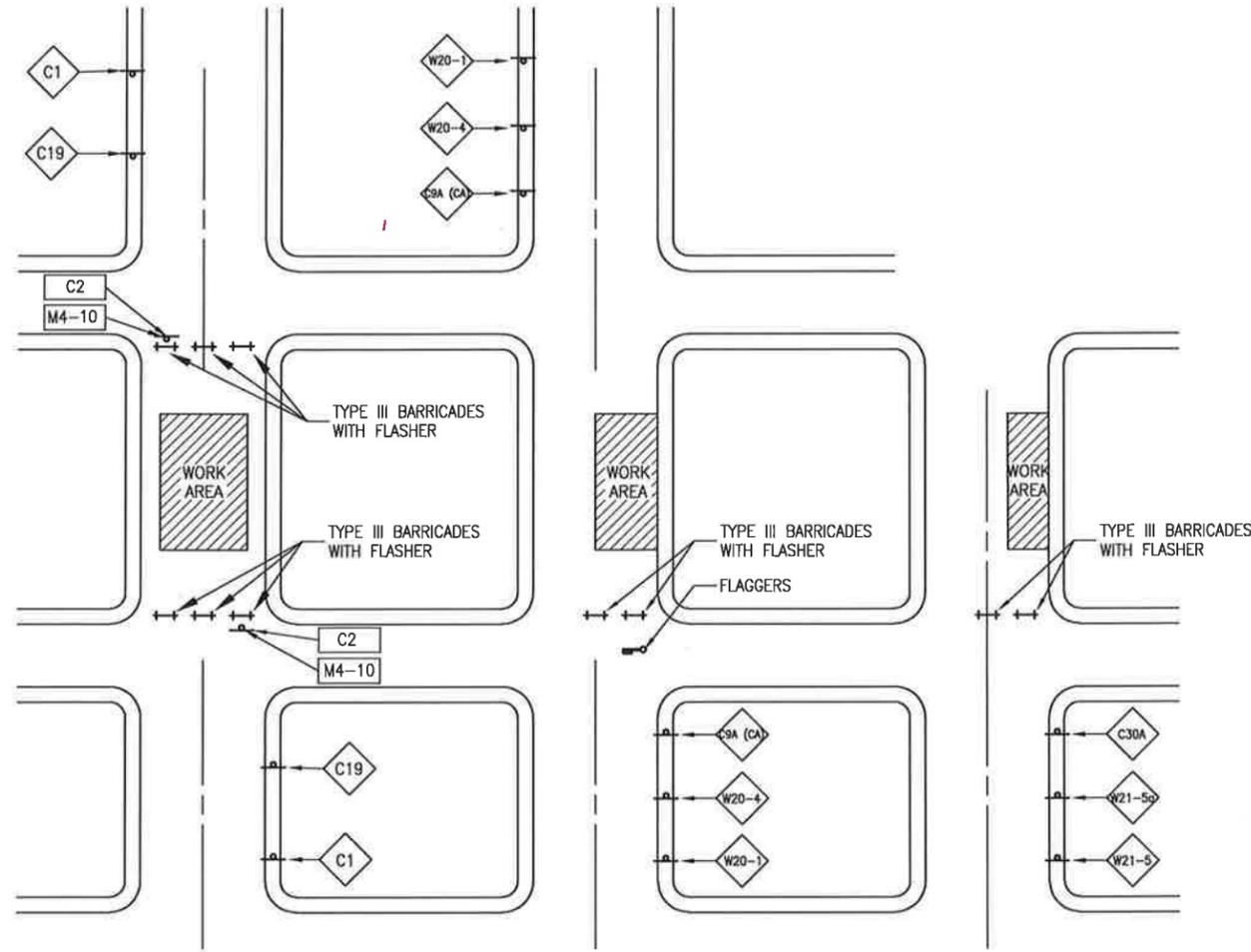
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**CITY OF LOS BANOS**  
**2019 STREET REHABILITATIONS**  
**STREET IMPROVEMENTS AND**  
**UTILITY ADJUSTMENT DETAILS**

| DESIGNED BY | DATE     | DRAWN BY  | DATE     | CHECKED BY | DATE     | APPROVED   | DATE     |
|-------------|----------|-----------|----------|------------|----------|------------|----------|
| R. OROZCO   | 06/07/19 | R. OROZCO | 06/07/19 | M. GOUVEIA | 06/27/19 | M. GOUVEIA | 06/27/19 |

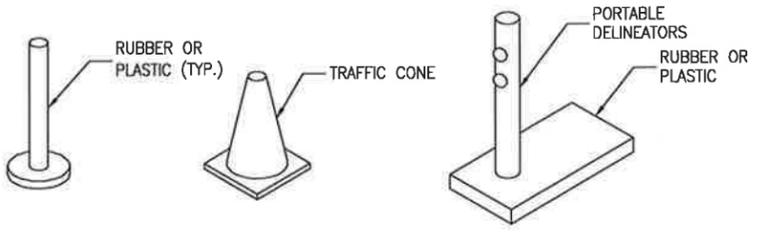
**DRAWING C-117**  
SHEET **17**  
OF 19 SHEETS  
PROJECT NUMBER **845.06**



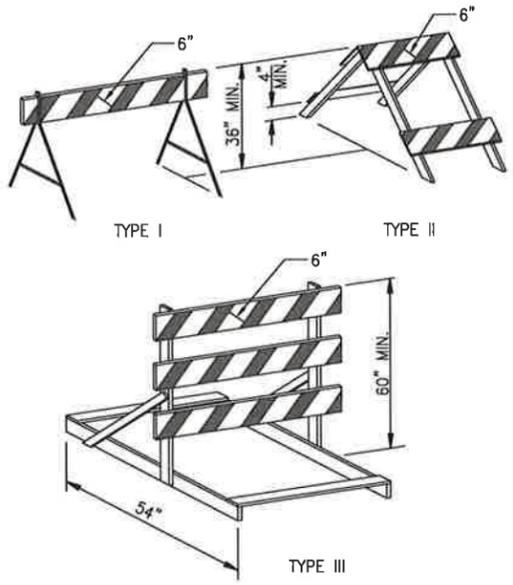


TYPICAL ROAD CLOSURE      TYPICAL LANE CLOSURE      TYPICAL SHOULDER CLOSURE

**1 CLOSURE DETAILS**  
NOT TO SCALE



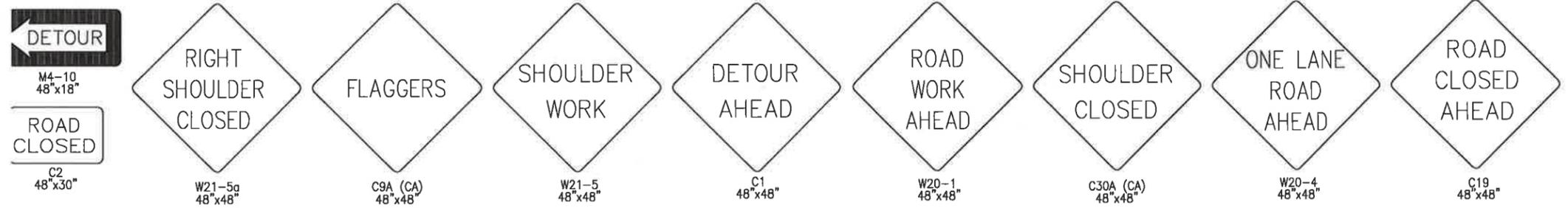
**3 TRAFFIC DELINEATORS**  
NOT TO SCALE



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"<br>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 RAILS<br>FACES REFLECTORIZED | 2        | 4        | 3 IF FACING TRAFFIC<br>IN ONE DIRECTION.<br>6 IF FACING TRAFFIC<br>IN TWO DIRECTIONS. | 2 IF TOP RAIL IS 12" WIDE.<br>4 IF TOP RAIL IS LESS<br>THAN 12" WIDE. |

**4 PORTABLE BARRICADES**  
NOT TO SCALE



**2 TYPICAL CONSTRUCTION SIGNS**  
NOT TO SCALE



Jun 28, 2019 - 9:25am  
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| REV | DATE | DESCRIPTION | APPR |
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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**  
**2019 STREET REHABILITATIONS**  
**TRAFFIC CONTROL DETAILS**

|                          |                  |   |
|--------------------------|------------------|---|
| DESIGNED BY<br>R. OROZCO | DATE<br>06/07/19 | DRAWING<br><b>C-119</b><br>SHEET<br><b>19</b><br>OF 19 SHEETS<br>PROJECT NUMBER<br>845.06 |
| DRAWN BY<br>R. OROZCO    | DATE<br>06/07/19 |   |
| CHECKED BY<br>M. GOUVEIA | DATE<br>06/27/19 |   |
| APPROVED<br>M. GOUVEIA   | DATE<br>06/27/19 |   |
|                          |                  |   |