



COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: **PS-1703139**
Date Issued: 10/05/2017
Start Date: 10/05/2017
Exp. Date: 01/01/2018
Project No: PWP221503
Quad: ES

UE/CR/PM NO:8369

ENCROACHMENT PERMIT

To: CALIFORNIA WATER SERVICE
1602 E LAFAYETTE ST
STOCKTON, CA 95205

Encroachment Type:

| | | | |
|--------|--|--|--|
| Trench | | | |
|--------|--|--|--|

Location:

WASHINGTON ST(ANTEROS AV TO WALKER ST)

In compliance with your request of 10/05/2017, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

| |
|---------------------------|
| Traffic Control Per MUTCD |
|---------------------------|

| | | | |
|--------|-------------|--|--|
| FORMS: | SS/WW, R-29 | | |
|--------|-------------|--|--|

Est. Permit Fee: \$0.00

WHITE -Permittee
GOLDENROD -PWD Central File
YELLOW -Field Inspection
PINK -Permit Section

KRIS BALAJI, Director
Department of Public Works

By: 
Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:
STREETS AND HIGHWAYS CODE
 1. Division 1, Chapter 3
 2. Division 2, Chapter 2, Section 942
 3. Division 2, Chapter 4, Section 1126
 4. Division 2, Chapter 5.5 and Chapter 6
- SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.
2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
 3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
 4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
 5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
 6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
 7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
 8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
 9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
 10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
 11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
 12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
 13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
 14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

#8369

Date October 3, 2017

To: San Joaquin County
Department of Public Works

CALIFORNIA WATER SERVICE
(Applicant Name)

1602 E. LAFAYETTE ST
(Mailing Address)

STOCKTON CA 95205
(City, State, Zip Code)

(209) 464-8311
(Area Code - Telephone Number)

| OFFICE USE ONLY | |
|-----------------|---------------------------------|
| JOB # | <u>221503</u> |
| APN | |
| EXP. DATE | <u>1-1-18</u> |
| VALID | <u>10-4-17</u> TO <u>1-1-18</u> |
| STREET | <u>Washington</u> |
| AREA | <u>SSW</u> QUAD <u>ES</u> |
| TYPE | <u>Relocate</u> |
| FORMS | <u>SSW/R29</u> |
| NOTES | |
| | |
| | |
| | |
| | |

Sketch (Detailed plans may be submitted)

See Attached

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the _____ side of _____, approximately _____ feet/mile of _____, by performing the following work (description of work):

Washington St Resurfacing Project (Requested by County) Acct 103000
(Anteros to Walker) Stk 0520
Lower & Raise 60 G.V. Act 103434-I
60 - 2'x2' Cuts (NO FEE)

Work will commence on or about 10/4/17 for approximately 90 days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Stacie Allen - Operations Clerk
Signature of Applicant - Title

10/3/17
Date

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 11

Notes for Figure 6H-11—Typical Application 11
Lane Closure on a Two-Lane Road with Low Traffic Volumes

Option:

1. This TTC zone application may be used as an alternate to the TTC application shown in Figure 6H-10 6H-10(CA) (using flaggers) when the following conditions exist:
 - a. Vehicular traffic volume is such that sufficient gaps exist for vehicular traffic that must yield.
 - b. Road users from both directions are able to see approaching vehicular traffic through and beyond the worksite and have sufficient visibility of approaching vehicles.
2. The Type B flashing warning lights may be placed on the ROAD WORK AHEAD and the ONE LANE ROAD AHEAD signs whenever a night lane closure is necessary.

Standard:

3. The approach to the side that is not closed shall be visible (for a distance equal to the safe passing sight distance for that approach) to the road user who must yield or stop.

Support:

See Section 3B.02 and 6C.15.

Table 6H-1(CA). Index to Typical Applications

| Typical Application Description | Typical Application Number |
|---|----------------------------|
| Work affecting Pedestrian and Bicycle Facilities (see Section 6G.05) | |
| Shoulder Closure on Urban (Low Speed) Locations to Accommodate Bicyclists | TA-101(CA) |
| Lane Closure on Freeway, Expressway, Rural and Urban (High Speed) Locations to Accommodate Bicyclists | TA-102(CA) |
| Detour for Bike Lane on Roads with Closure of One Travel Direction | TA-103(CA) |
| Right Lane and Bike Lane Closure on Far Side of Intersection | TA-104(CA) |
| Work Within the Traveled Way of a Two-Lane Highway (see Section 6G.10) | |
| Lane Shift on Road with Low Traffic Volumes | TA-105(CA) |

Table 6H-2. Meaning of Symbols on Typical Application Diagrams





















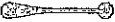


| | | | |
|---|--|---|--------------------------------------|
|  | Arrow board |  | Shadow vehicle |
|  | Arrow board support or trailer (shown facing down) |  | Sign (shown facing left) |
|  | Changeable message sign or support-trailer |  | Surveyor |
|  | Channelizing device |  | Temporary barrier |
|  | Crash cushion |  | Temporary barrier with warning light |
|  | Direction of temporary traffic detour |  | Traffic or pedestrian signal |
|  | Direction of traffic |  | Truck-mounted attenuator |
|  | Flagger |  | Type 3 barricade |
|  | High-level warning device (Flag tree) |  | Warning light |
|  | Longitudinal channelizing device |  | Work space |
|  | Luminaire |  | Work vehicle |
|  | Pavement markings that should be removed for a long-term project | | |

Table 6H-3. Recommended Advance Warning Sign Minimum Spacing

| Road Type | Distance Between Signs** | | |
|--|--------------------------|------------|------------|
| | A | B | C |
| Urban (low speed) - 25 mph or less*** | 100 feet | 100 feet | 100 feet |
| Urban - more than 25 mph to 40 mph*** | 250 feet | 250 feet | 250 feet |
| Urban (high speed) - more than 40 mph*** | 350 feet | 350 feet | 350 feet |
| Rural | 500 feet | 500 feet | 500 feet |
| Expressway / Freeway | 1,000 feet | 1,500 feet | 2,640 feet |

* Speed category to be determined by the highway agency.

** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

*** Posted speed limit; off-peak 85th-percentile speed prior to work starting, or other anticipated operating speed in mph.

Table 6H-4. Formulas for Determining Taper Length

| Speed (S) | Taper Length (L) in feet |
|----------------|--------------------------|
| 40 mph or less | $L = \frac{WS^2}{60}$ |
| 45 mph or more | $L = WS$ |

Where: L = taper length in feet

W = width of offset in feet

S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Table 6H-4(CA). Taper Length Criteria for Temporary Traffic Control Zones
(for 12 feet Offset Width)

| Speed* S (mph) | Minimum Taper Length** for Width of Offset 12 feet (W) | | | |
|----------------------|---|---------------------------|---------------------------|-----------------------------|
| | Merging L (feet) | Shifting L/2 (feet) | Shoulder L/3 (feet) | Down Stream (feet)*** |
| 20 | 80 | 40 | 27 | 50 |
| 25 | 125 | 63 | 42 | 50 |
| 30 | 180 | 90 | 60 | 50 |
| 35 | 245 | 123 | 82 | 50 |
| 40 | 320 | 160 | 107 | 50 |
| 45 | 540 | 270 | 180 | 50 |
| 50 | 600 | 300 | 200 | 50 |
| 55 | 660 | 330 | 220 | 50 |
| 60 | 720 | 360 | 240 | 50 |
| 65 | 780 | 390 | 260 | 50 |
| 70 | 840 | 420 | 280 | 50 |
| 75 | 900 | 450 | 300 | 50 |

* - Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph.

** - For other offsets use the following merging taper length formula for L:

For speeds of 40 mph or less, $L = WS^2/60$

For speeds of 45 mph or more, $L = WS$

Where:

L = taper length in feet

W = width of offset in feet

S = posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

*** - Maximum downstream taper length is 100 feet. See Section 6C.08.

Table 6F-101(CA). Maximum Spacing of Channelizing Devices

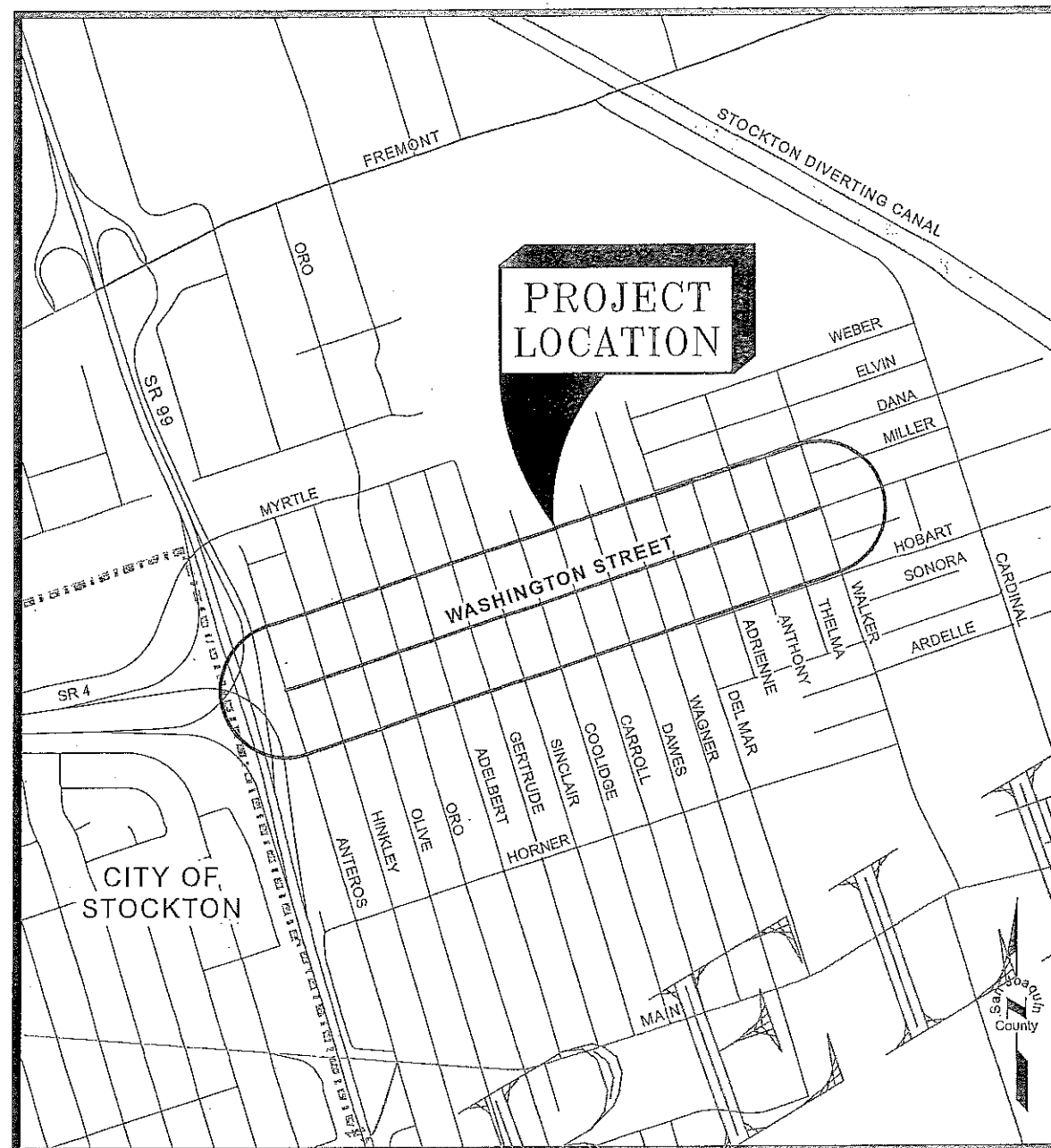
| Speed (mph) | Maximum Channelizing Devices Spacing | | |
|----------------|--------------------------------------|-------------------|----------------------|
| | Taper* (feet) | Tangent (feet) | Conflict** (feet) |
| 20 | 20 | 40 | 10 |
| 25 | 25 | 50 | 12 |
| 30 | 30 | 60 | 15 |
| 35 | 35 | 70 | 17 |
| 40 | 40 | 80 | 20 |
| 45 | 45 | 90 | 22 |
| 50 | 50 | 100 | 25 |
| 55 | 50 | 100 | 25 |
| 60 | 50 | 100 | 25 |
| 65 | 50 | 100 | 25 |
| 70 | 50 | 100 | 25 |
| 75 | 50 | 100 | 25 |

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.

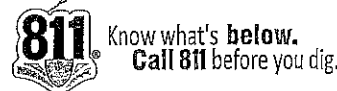
Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.

All other tapers are as shown.

** Use on intermediate and short-term projects for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizing devices.



PROJECT LOCATION MAP
NO SCALE



S.P. FILE DRAWER NO.

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS
STOCKTON, CALIFORNIA

WASHINGTON STREET RESURFACING

(Anteros Avenue to Walker Lane)

FEDERAL AID PROJECT NO. STPL- 5929(280)

To Be Supplemented by Standard Plans Dated 2010
and Revised Standard Plans

COUNTY OF SAN JOAQUIN

Submitted _____, 2017

KRIS BALAJI
DIRECTOR OF PUBLIC WORKS

INDEX OF SHEETS

| | |
|---------------|-----------------------------------|
| Sheet No. 1 | TITLE PAGE |
| Sheet No. 2 | TYPICAL SECTION AND GENERAL NOTES |
| Sheet No. 3-6 | PLAN |
| Sheet No. 7 | CONSTRUCTION DETAILS |
| Sheet No. 8-9 | SUMMARY OF QUANTITIES |

THE STANDARD PLANS APPLICABLE TO THIS CONTRACT
ARE INCLUDED IN THE PROJECT SPECIFICATION BOOK.

ABBREVIATIONS

(In addition to abbreviations shown on Caltrans Standard Plans
A10A, RSP A10B and Standard Specification 1-1.06 Abbreviations)
SJCO Std = San Joaquin County Standard
SDI = Storm Drain Inlet
NW = Northwest
NE = Northeast
SW = Southwest
SE = Southeast



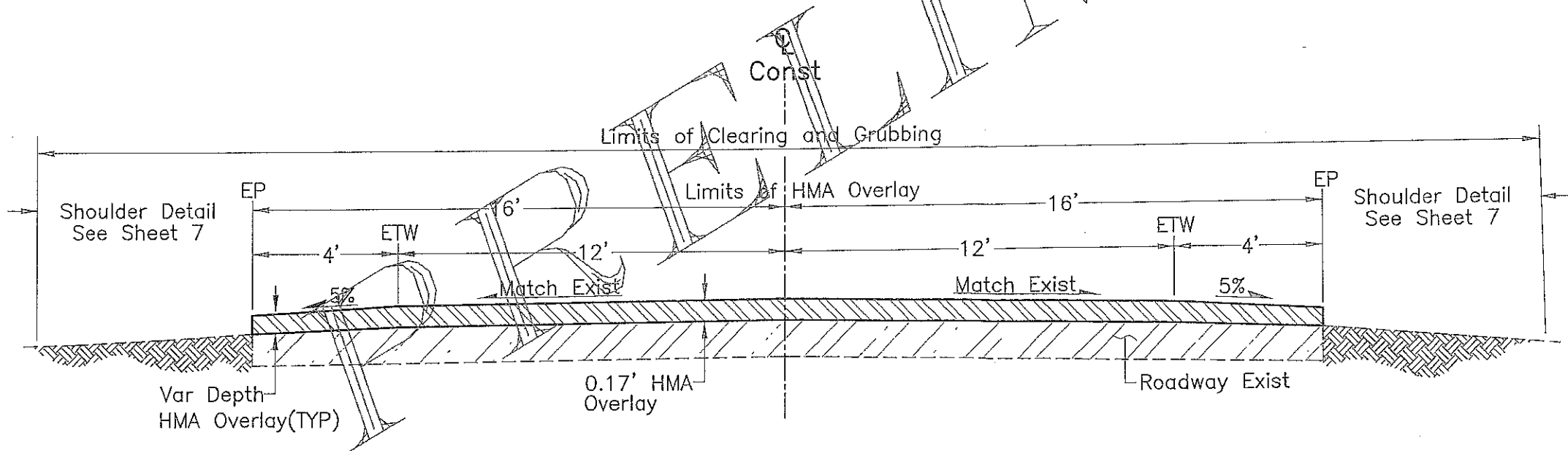
David Mendoza
RCE 42581

| PROJECT ENGINEER | DATE | CHECKED | DATE | APPROVED | DATE |
|------------------|------|---------|------|----------|------|
| | | | | | |

Sheet No.
1 of 9

GENERAL NOTES

1. 0.17' HMA Overlay must be placed in one (1) layer.
2. Placement of HMA Overlay must not begin until the HMA used in Pavement Repair has been in place for a minimum of 18 hours.
3. Placement of HMA Driveways must not begin until the HMA used for Mainline Paving has been completed.
4. Existing highway and utility facilities must remain in place unless otherwise noted.
5. Existing trees, shrubs, fences, mailboxes and other frontage improvements must remain in place unless otherwise noted.
6. Existing drainage facilities must remain in place unless otherwise noted. The Contractor must conduct earthwork operations so as not to modify or obstruct the existing drainage.
7. All Earthwork, except for final shoulder grading, must be completed prior to placing the final layer of HMA Pavement. No Shoulder Backing material will be deposited or drifted on the final layer of HMA surfacing. Where the shoulder placement exceeds 0.50' in thickness, the Shoulder Backing must be placed in two (2) or more fully compacted layers.
8. Shoulder Backing material at all intersection radii must receive Penetration Treatment at 0.25 GAL/SQYD. Limits of the Penetration Treatment work must be confined to intersection radii plus fifty feet (50') in each direction or to the intersection conform.
9. The Contractor will be responsible for adequately scheduling inspection and testing of all facilities constructed under this contract with a minimum 24 hours notice to the County. All testing must conform to the Standard Specifications. All re-testing will be paid by the Contractor.
10. The Contractor must notify the City of Stockton at (209) 937-5658 72 hours in advance of adjusting the City of Stockton's facilities to finished grade. Refer to the City of Stockton Standards for adjusting facilities to grade.
11. The Contractor must obtain all permits and licenses required for the construction and completion of the project, and must perform all work in accordance with the requirements and conditions of all permits and approvals applicable to the project.
12. Hand grinding of AC pavement will be required at locations where existing highway and utility facilities are within the Planing AC and Pavement Repair limits. Payment for hand grinding must be considered as included in the contract unit price paid for Planing AC Pavement.
13. The Contractor must exercise due caution and carefully preserve survey bench marks, control points, reference points and all survey stakes, and must bear all expenses for replacement and/or errors caused by their unnecessary loss or disturbance.



TYPICAL SECTION

Washington Street: Sta 10+15 to Sta 53+30



David Mendoza
RCE 42581

COUNTY OF SAN JOAQUIN

NO SCALE

TYPICAL SECTION AND
GENERAL NOTES

WASHINGTON STREET RESURFACING
(Anteros Avenue to Walker Lane)

Sheet No.
2 of 9

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DATE

PROJECT ENGINEER

DATE

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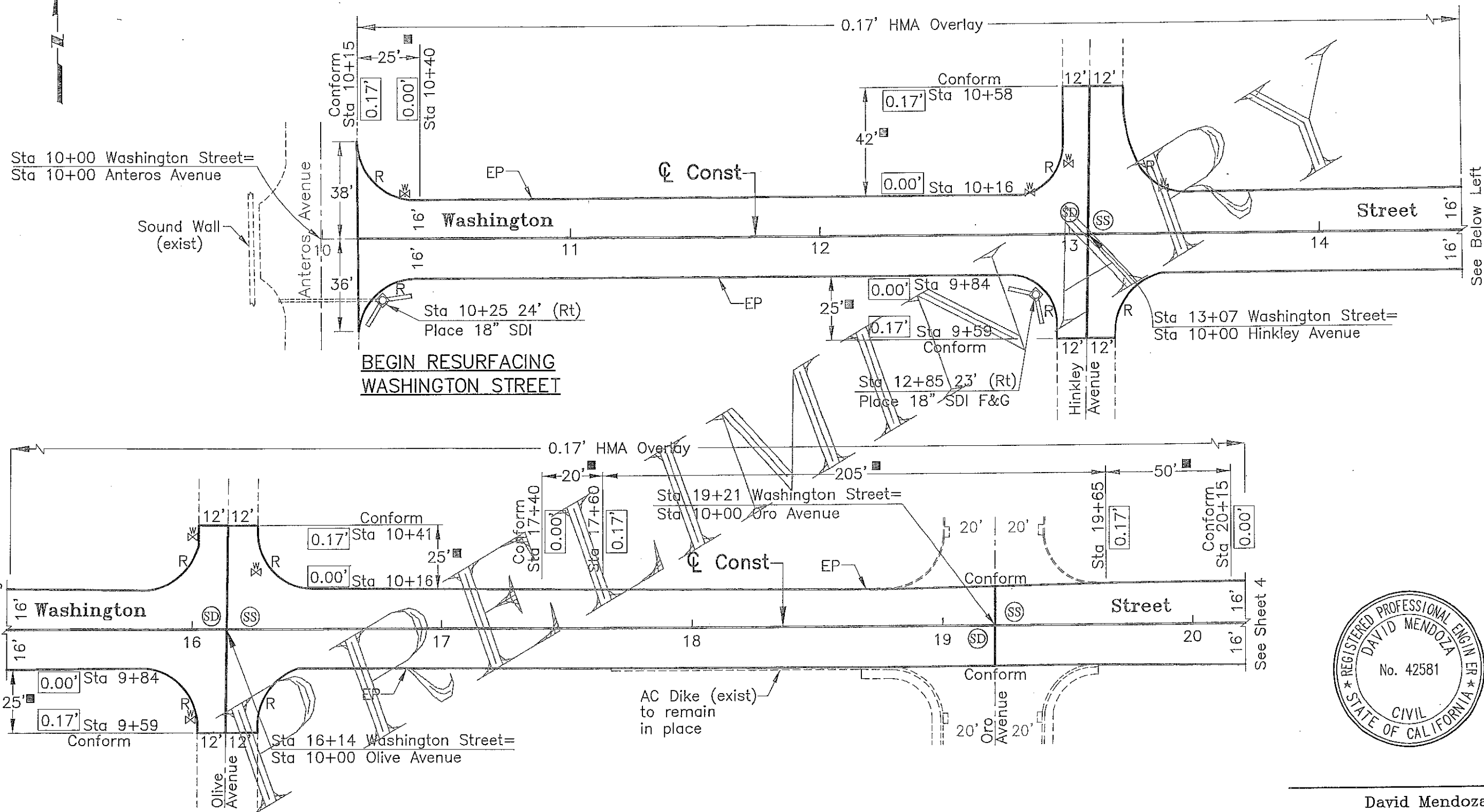
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LEGEND

- Limits of Planing AC Pavement
- R Conform to Existing Radii
- 0.17' Depth of Planing AC Pavement
- ⊙ Place Monument Frame and Cover

- ⊙ Existing Storm Drain Maintenance Hole
Frame and Cover to be adjusted to grade
- ⊙ Existing Sanitary Sewer Maintenance Hole
Frame and Cover to be adjusted to grade

- ⊙ Existing WV to be adjusted by others
- ⊙ Existing GV to be adjusted by others
- ⊙ Existing Water Main Maintenance Hole
to be adjusted by others



David Mendoza
RCE 42581

COUNTY OF SAN JOAQUIN

NO SCALE

PLAN

WASHINGTON STREET RESURFACING
(Anteros Avenue to Walker Lane)

Sheet No.
3 of 9

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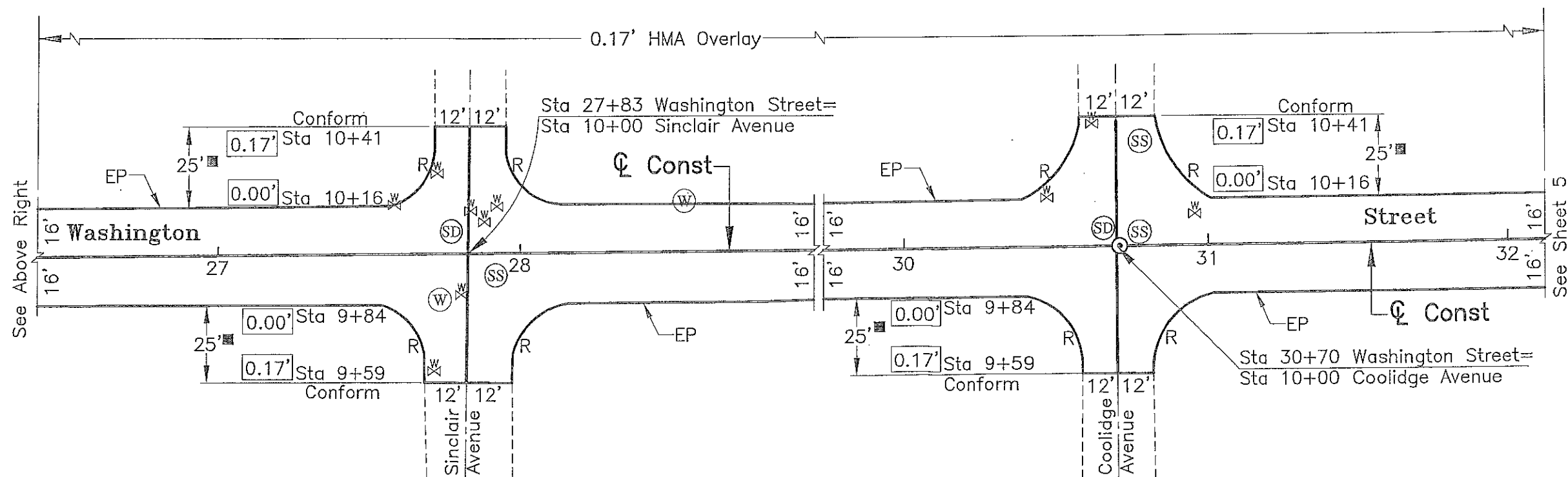
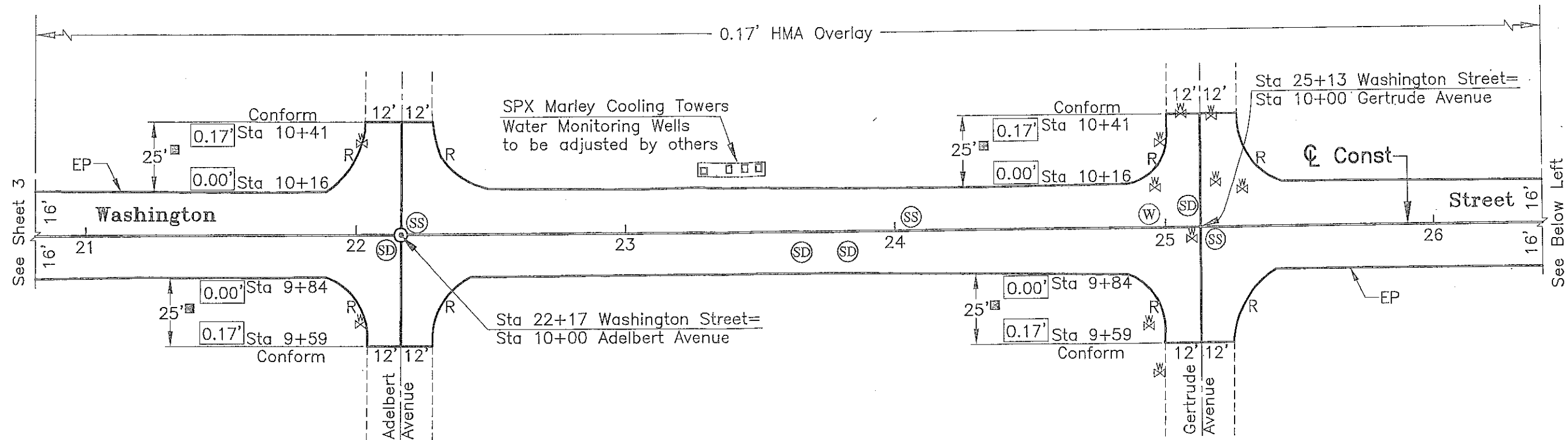
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DATE



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RCE 42581

COUNTY OF SAN JOAQUIN

NO SCALE

PLAN

WASHINGTON STREET RESURFACING
(Anteros Avenue to Walker Lane)

Sheet No.
4 of 9

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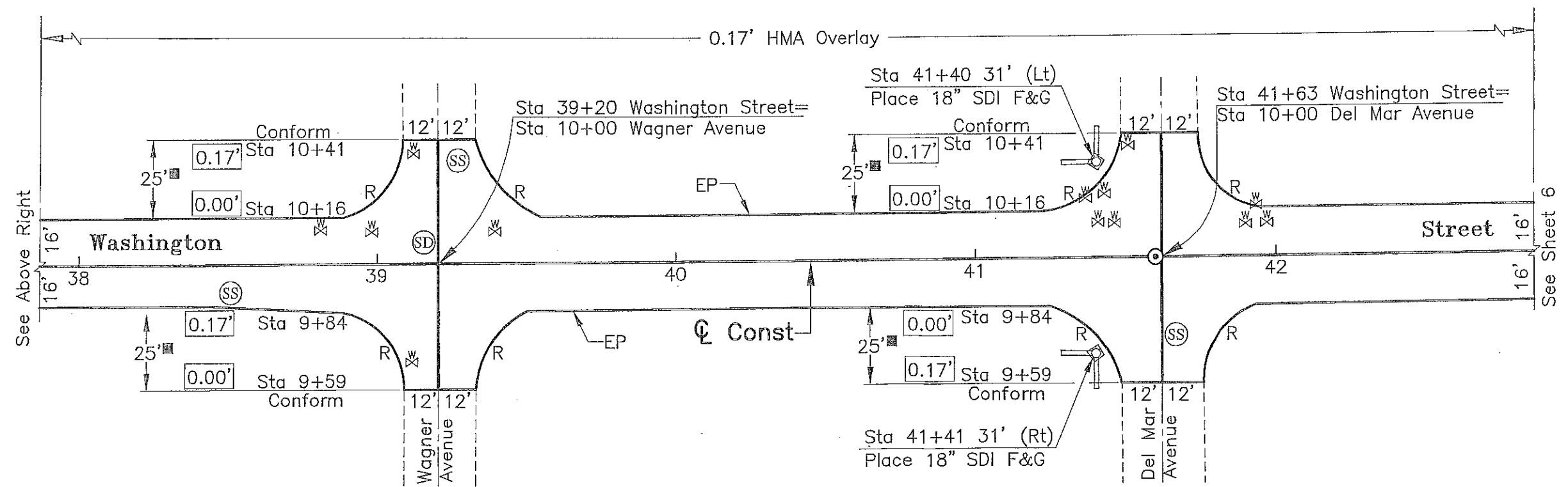
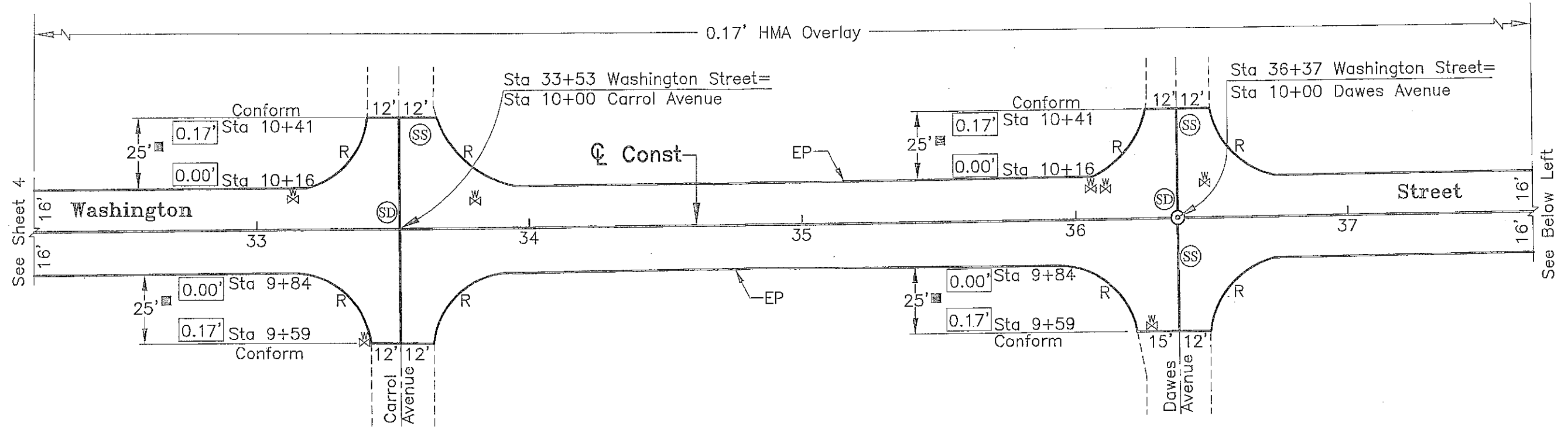
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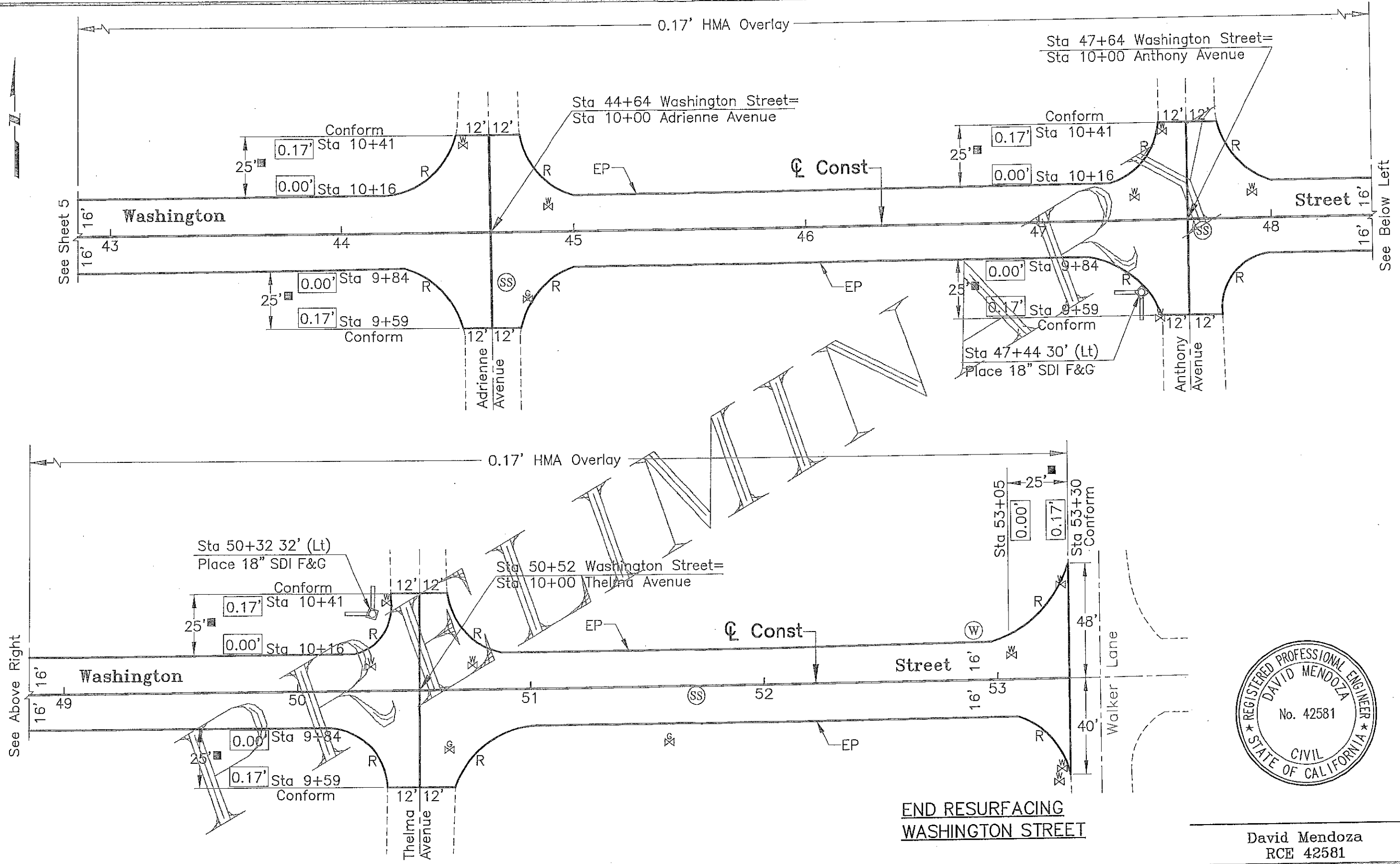


David Mendoza
RCE 42581

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| COUNTY OF SAN JOAQUIN | | | NO SCALE | | PLAN | | WASHINGTON STREET RESURFACING (Anteros Avenue to Walker Lane) | | Sheet No. 5 of 9 |
|-----------------------|--|--|----------|--|------|--|--|--|---------------------|

| | | | | | |
|----------|------|------------------|------|---------|------|
| DRAWN BY | DATE | PROJECT ENGINEER | DATE | CHECKED | DATE |
| | | | | | |



David Mendoza
RCE 42581

**END RESURFACING
WASHINGTON STREET**

COUNTY OF SAN JOAQUIN

NO SCALE

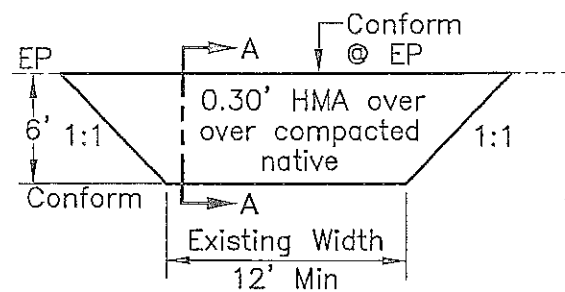
PLAN

WASHINGTON STREET RESURFACING
(Anteros Avenue to Walker Lane)

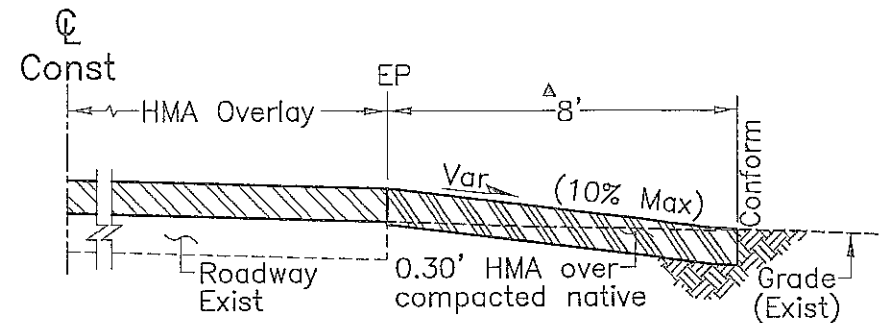
Sheet No.
6 of 9

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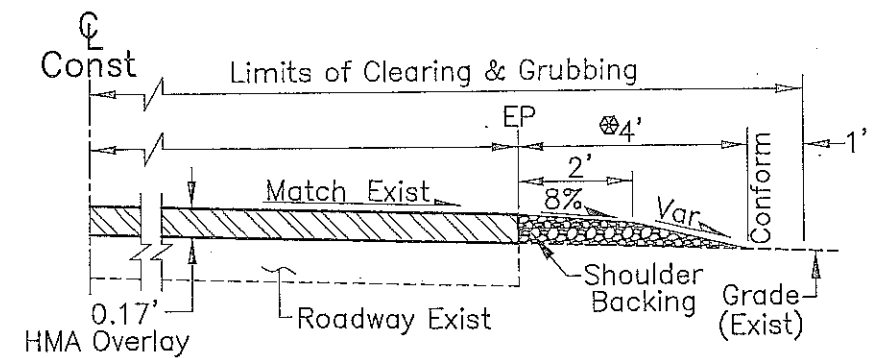
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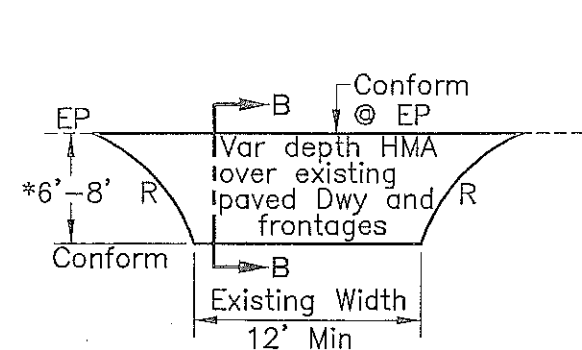


SECTION A-A

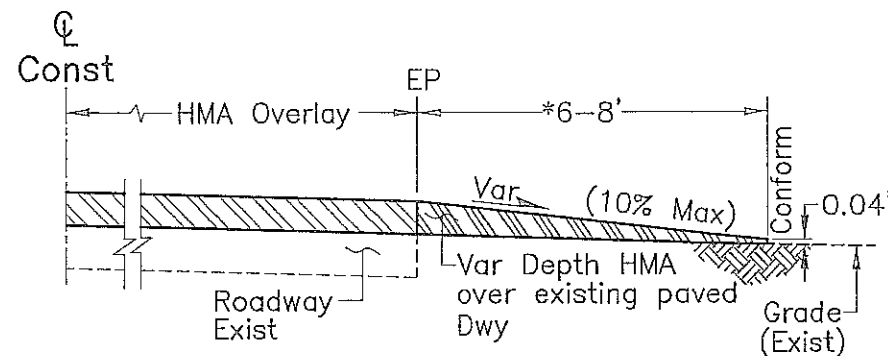


SHOULDER DETAIL

Sta 10+15 to Sta 10+95 (Rt) -2'



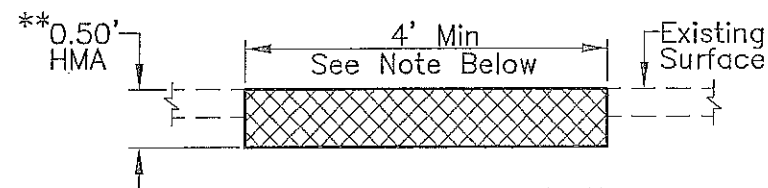
TYPE E



SECTION B-B

*Sta 11+21 (Lt)-12' *Sta 16+92 (Rt)-9'
*Sta 12+33 (Lt)-10' *Sta 22+36 to Sta 24+05 (Lt)-10'

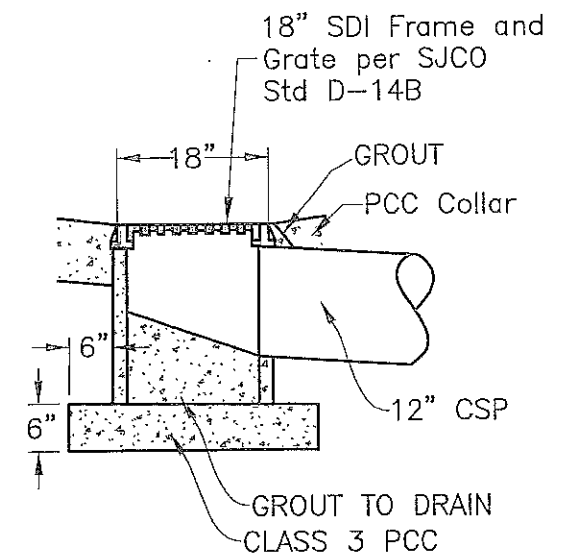
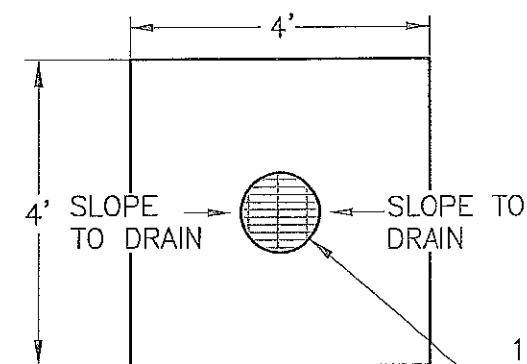
TYPICAL DRIVEWAY DETAILS



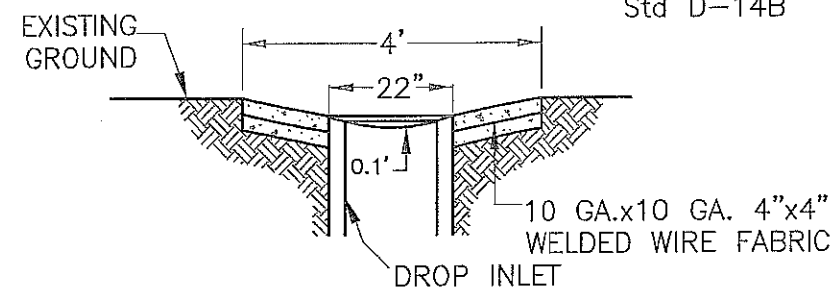
PAVEMENT REPAIR DETAIL

NOTE: Approximate dimensions used for estimating purposes are available upon request. Dimensions and locations are subject to change at the Engineer's discretion.

**1' Deep from Sta 23+20 to Sta 25+13 for Pavement Repair of trench for storm drain main line.



MODIFIED 18" STORM DRAIN INLET



DROP INLET LINING DETAIL



David Mendoza
RCE 42581

S.P. FILE DRAWER NO.

COUNTY OF SAN JOAQUIN

NO SCALE

CONSTRUCTION DETAILS

WASHINGTON STREET RESURFACING
(Anteros Avenue to Walker Lane)

Sheet No.
7 of 9

| DRAWN BY | DATE | PROJECT ENGINEER | DATE | CHECKED | DATE |
|----------|------|------------------|------|---------|------|
| | | | | | |

| PORTABLE CHANGEABLE MESSAGE SIGN | | | |
|----------------------------------|--|----------|------|
| Location | | Quantity | |
| 1 Location | | Total | 1 EA |

| PLANING ASPHALT CONCRETE PAVEMENT | |
|--|----------|
| Location | Quantity |
| Washington Street Sta 10+15 to Sta 10+40 (West Conform) | 110 SQYD |
| Hinkley Avenue Sta 9+59 to Sta 9+84 | 86 SQYD |
| Sta 10+16 to Sta 10+58 | 166 SQYD |
| Olive Avenue Sta 9+59 to Sta 9+84 | 89 SQYD |
| Sta 10+16 to Sta 10+41 | 89 SQYD |
| Washington Street (through Oro Avenue) Sta 17+40 to Sta 20+15 | 946 SQYD |
| Adelbert Avenue Sta 9+59 to Sta 9+84 | 86 SQYD |
| Sta 10+16 to Sta 10+41 | 96 SQYD |
| Gertrude Avenue Sta 9+59 to Sta 9+84 | 95 SQYD |
| Sta 10+16 to Sta 10+41 | 92 SQYD |
| Sinclair Avenue Sta 9+59 to Sta 9+84 | 102 SQYD |
| Sta 10+16 to Sta 10+41 | 83 SQYD |
| Coolidge Avenue Sta 9+59 to Sta 9+84 | 102 SQYD |
| Sta 10+16 to Sta 10+41 | 104 SQYD |
| Carroll Avenue Sta 9+59 to Sta 9+84 | 102 SQYD |
| Sta 10+16 to Sta 10+41 | 113 SQYD |
| Dawes Avenue Sta 9+59 to Sta 9+84 | 92 SQYD |
| Sta 10+16 to Sta 10+41 | 102 SQYD |
| Wagner Avenue Sta 9+59 to Sta 9+84 | 95 SQYD |
| Sta 10+16 to Sta 10+41 | 103 SQYD |
| Del Mar Avenue Sta 9+59 to Sta 9+84 | 109 SQYD |
| Sta 10+16 to Sta 10+41 | 102 SQYD |
| Adrienne Avenue Sta 9+59 to Sta 9+84 | 112 SQYD |
| Sta 10+16 to Sta 10+41 | 119 SQYD |
| Anthony Avenue Sta 9+59 to Sta 9+84 | 106 SQYD |
| Sta 10+16 to Sta 10+41 | 107 SQYD |
| Thelma Avenue Sta 9+59 to Sta 9+84 | 123 SQYD |
| Sta 10+16 to Sta 10+41 | 94 SQYD |
| Washington Street Sta 53+05 to Sta 53+30 (East Conform) | 143 SQYD |
| Total 3,868 SQYD | |

| PAVEMENT REPAIR | |
|----------------------------------|----------|
| Location | Quantity |
| 35 Locations (See Detail Sht. 7) | 547 SQYD |
| Total | 547 SQYD |

| ADJUST FRAME AND COVER (STORM DRAIN MAINTENANCE HOLE) | |
|--|----------|
| Location | Quantity |
| Sta 13+05 (CL) | 1 EA |
| Sta 16+10 (4' Rt) | 1 EA |
| Sta 19+14 (4' Rt) | 1 EA |
| Sta 22+11 (6' Rt) | 1 EA |
| Sta 23+66 (7' Rt) | 1 EA |
| Sta 23+82 (7' Rt) | 1 EA |
| Sta 25+14 (5' Lt) | 1 EA |
| Sta 27+78 (7' Lt) | 1 EA |
| Sta 30+63 (6' Lt) | 1 EA |
| Sta 33+54 (6' Lt) | 1 EA |
| Sta 36+37 (6' Lt) | 1 EA |
| Sta 39+20 (6' Lt) | 1 EA |
| Total | 12 EA |

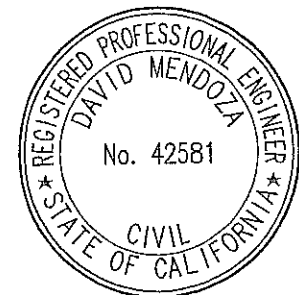
| ADJUST FRAME AND COVER (SANITARY SEWER MAINTENANCE HOLE) | |
|---|----------|
| Location | Quantity |
| Sta 13+13 (6' Lt) | 1 EA |
| Sta 16+10 (4' Rt) | 1 EA |
| Sta 19+14 (4' Rt) | 1 EA |
| Sta 22+11 (6' Rt) | 1 EA |
| Sta 23+66 (7' Rt) | 1 EA |
| Sta 23+82 (7' Rt) | 1 EA |
| Sta 25+14 (5' Lt) | 1 EA |
| Sta 27+78 (7' Lt) | 1 EA |
| Sta 30+63 (6' Lt) | 1 EA |
| Sta 33+54 (6' Lt) | 1 EA |
| Sta 36+37 (6' Lt) | 1 EA |
| Sta 39+20 (6' Lt) | 1 EA |
| Sta 25+14 (5' Lt) | 1 EA |
| Sta 27+78 (7' Lt) | 1 EA |
| Sta 30+63 (6' Lt) | 1 EA |
| Sta 33+54 (6' Lt) | 1 EA |
| Sta 36+37 (6' Lt) | 1 EA |
| Sta 39+20 (6' Lt) | 1 EA |
| Total | 18 EA |

| SHOULDER BACKING | |
|------------------------|---------------|
| Location | Quantity |
| Sta 10+15 to Sta 53+30 | Total 489 TON |

| DRIVEWAY (TYPE D) | |
|-------------------|------------------|
| Location | Quantity |
| 47 Locations | Total 1,126 SQYD |

| DRIVEWAY (TYPE E) | |
|--------------------------------|------------|
| Location | Quantity |
| 14 Locations (Driveways) | 340 SQYD |
| 10 Locations (Paved Frontages) | 983 SQYD |
| Total | 1,323 SQYD |

| PENETRATION TREATMENT | |
|--------------------------------------|------------|
| Location | Quantity |
| Anteros Avenue (NE & SE Corners) | 54 SQYD |
| Hinkley Avenue (All 4 Corners) | 149 SQYD |
| Olive Avenue (All 4 Corners) | 144 SQYD |
| Adelbert Avenue (All 4 Corners) | 138 SQYD |
| Gertrude Avenue (All 4 Corners) | 123 SQYD |
| Sinclair Avenue (NW & NE Corners) | 78 SQYD |
| Coolidge Avenue (All 4 Corners) | 147 SQYD |
| Carroll Avenue (All 4 Corners) | 125 SQYD |
| Dawes Avenue (All 4 Corners) | 151 SQYD |
| Wagner Avenue (All 4 Corners) | 143 SQYD |
| Del Mar Avenue (All 4 Corners) | 134 SQYD |
| Adrienne Avenue (All 4 Corners) | 128 SQYD |
| Anthony Avenue (NW, SW & NE Corners) | 108 SQYD |
| Thelma Avenue (NW & NE Corners) | 72 SQYD |
| Walker Avenue (NW & SW Corners) | 73 SQYD |
| Total | 1,767 SQYD |



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| COUNTY OF SAN JOAQUIN | | | | NO SCALE | SUMMARY OF QUANTITIES | WASHINGTON STREET RESURFACING (Anteros Avenue to Walker Lane) | Sheet No. 8 of 9 |
|-----------------------|------|------------------|------|----------|-----------------------|--|---------------------|
| DRAWN BY | DATE | PROJECT ENGINEER | DATE | CHECKED | DATE | | |
| | | | | | | | |

| HOT MIX ASPHALT (TYPE A) | |
|--------------------------------|-----------|
| Location | Quantity |
| Mainline Paving | |
| Sta 10+15 to Sta 53+30 | 1,888 TON |
| Intersections | |
| Hinkley Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 10 TON |
| Sta 10+16 to Sta 10+58 (N) | 19 TON |
| Olive Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 10 TON |
| Sta 10+16 to Sta 10+41 (N) | 10 TON |
| Adelbert Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 10 TON |
| Sta 10+16 to Sta 10+41 (N) | 11 TON |
| Gertrude Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 11 TON |
| Sta 10+16 to Sta 10+41 (N) | 10 TON |
| Sinclair Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 12 TON |
| Sta 10+16 to Sta 10+41 (N) | 9 TON |
| Coolidge Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 12 TON |
| Sta 10+16 to Sta 10+41 (N) | 12 TON |
| Carroll Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 12 TON |
| Sta 10+16 to Sta 10+41 (N) | 13 TON |
| Dawes Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 10 TON |
| Sta 10+16 to Sta 10+41 (N) | 12 TON |
| Wagner Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 11 TON |
| Sta 10+16 to Sta 10+41 (N) | 12 TON |
| Del Mar Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 12 TON |
| Sta 10+16 to Sta 10+41 (N) | 12 TON |
| Adrienne Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 13 TON |
| Sta 10+16 to Sta 10+41 (N) | 14 TON |
| Anthony Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 12 TON |
| Sta 10+16 to Sta 10+41 (N) | 12 TON |
| Thelma Avenue | |
| Sta 9+59 to Sta 9+84 (S) | 14 TON |
| Sta 10+16 to Sta 10+41 (N) | 11 TON |
| Driveways | |
| (Type D) 47 Locations | 225 TON |
| (Type E) 14 Locations | 24 TON |
| (Paved Frontages) 10 Locations | 68 TON |
| Pavement Repair | |
| 34 Locations (0.50' Depth) | 125 TON |
| 1 Location (1' Depth) | 115 TON |
| Total | 2,751 TON |

| 12" CORRUGATED STEEL PIPE (0.079" THK.) | |
|---|----------|
| Location | Quantity |
| Sta 10+25 (24' Rt) | 20 LF |
| Sta 12+85 (23' Rt) | 20 LF |
| Sta 41+41 (31' Rt) | 20 LF |
| Sta 41+40 (31' Lt) | 20 LF |
| Sta 47+44 (30' Rt) | 20 LF |
| Sta 50+32 (32' Lt) | 20 LF |
| Total | 120 LF |

| 18" DIA. STORM DRAIN INLET | |
|----------------------------|----------|
| Location | Quantity |
| Sta 10+25 (24' Rt) | 1 EA |
| Sta 12+85 (23' Rt) | 1 EA |
| Sta 41+41 (31' Rt) | 1 EA |
| Sta 41+40 (31' Lt) | 1 EA |
| Sta 47+44 (30' Rt) | 1 EA |
| Sta 50+32 (32' Lt) | 1 EA |
| Total | 6 EA |

| 18" DIA. FRAME AND GRATE | |
|--------------------------|----------|
| Location | Quantity |
| Sta 10+25 (24' Rt) | 1 EA |
| Sta 12+85 (23' Rt) | 1 EA |
| Sta 41+41 (31' Rt) | 1 EA |
| Sta 41+40 (31' Lt) | 1 EA |
| Sta 47+44 (30' Rt) | 1 EA |
| Sta 50+32 (32' Lt) | 1 EA |
| Total | 6 EA |

| PLACE MONUMENT FRAME AND COVER | |
|--------------------------------|----------|
| Location | Quantity |
| Sta 22+17 (CL) | 1 EA |
| Sta 30+71 (CL) | 1 EA |
| Sta 36+37 (CL) | 1 EA |
| Sta 41+61 (CL) | 1 EA |
| Total | 4 EA |



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RCE 42581

COUNTY OF SAN JOAQUIN

NO SCALE

SUMMARY OF QUANTITIES

WASHINGTON STREET RESURFACING
(Anteros Avenue to Walker Lane)

Sheet No.
9 of 9

DRAWN BY

DATE

PROJECT ENGINEER

DATE

CHECKED

DATE

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