### general notes:

- 1. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THESE PLANS, SPECIAL PROVISIONS PREPARED FOR THIS PROJECT AND THE 2020 CITY OF SAN LUIS OBISPO STANDARD SPECIFICATIONS AND ENGINEERING STANDARDS, IN CONJUNCTION WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD PLANS, 2015 EDITION (UNREVISED).
- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR PERMITTEE TO CONTACT "UNDERGROUND SERVICE ALERT OF NORTHERN/CENTRAL CALIFORNIA" BY PHONE AT 8-1-1 FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION FOR LOCATION OF POWER, TELEPHONE, OIL AND NATURAL GAS UNDERGROUND FACILITIES. CONTRACTOR OR PERMITTEE SHALL ALSO CONTACT THE APPROPRIATE AGENCY FOR THE LOCATION OF CABLE T.V., WATER, SEWER, DRAINAGE OR UNDERGROUND FACILITIES.
- 3. THE CONTRACTOR SHALL POSSESS A CLASS "A" OR "C12" LICENSE AT THE TIME THE BIDS OPEN AND DURING THE ENTIRE LENGTH OF THE CONTRACT.
- 4. THESE PLANS DO NOT INDICATE ALL EXISTING FACILITIES IN THE VICINITY OF THE PROPOSED WORK SUCH AS EXISTING IRRIGATION HEADS AND LINES, SHRUBBERY AND VEGETATION, ETC. THE CONTRACTOR MUST USE CARE TO AVOID DAMAGE TO ANY EXISTING IMPROVEMENTS OR VEGETATION IN THE VICINITY OF THE WORK, AND MUST REPAIR ANY FACILITIES DAMAGE DURING CONSTRUCTION TO THE SATISFACTION OF THE FINGINFER
- 5. WHERE TRIMMING OF EXISTING VEGETATION IS REQUIRED DURING CONSTRUCTION IT MUST BE DONE IN A MANNER TO REMOVE THE MINIMUM POSSIBLE AMOUNT OF VEGETATION AND LEAVE THE REMAINING IN AN ATTRACTIVE CONDITION. CONTRACTOR MUST COORDINATE WITH CITY ARBORIST PRIOR TO TRIMMING OF ANY VEGETATION.
- 6. THESE PLANS DO NOT INDICATE ALL OVERHEAD LINES. CONTRACTOR SHALL TAKE CARE DURING CONSTRUCTION TO AVOID CONTACT WITH OR DAMAGE TO EXISTING OVERHEAD LINES.
- 7. ANY EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.
- 8. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND AGENCIES WITH SERVICES IN THE AREA PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES AND COORDINATE WITH THE UTILITY COMPANIES AFFECTED BY CONSTRUCTION.
- 9. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR'S LICENSED LAND SURVEYOR SHALL FILE A CORNER RECORD IN THE OFFICE OF THE SAN LUIS OBISPO COUNTY SURVEYOR FOR EACH EXISTING MONUMENT WITHIN THE PROJECT AREA THAT HAS THE POTENTIAL TO BE DISTURBED. PROTECT BENCHMARKS AND PROPERTY CORNERS IN PLACE PER CITY STD SECTION 5-1.26.
- 10. PROTECT SURVEY MONUMENTS IN PLACE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REPLACEMENT OF DAMAGED OR DISPLACED SURVEY MONUMENTS AND SHALL NOTIFY THE CITY FIVE (5) WORKING DAYS PRIOR TO RESTORING MONUMENTS. MONUMENTS SHALL BE RESET BY A CALIFORNIA LICENSED LAND SURVEYOR AND SHALL INCLUDE PREPARING AND FILING A
- 11. UNLESS OTHERWISE SHOWN HEREIN, ALL STRIPING AND MARKINGS SHALL BE PER CALTRANS REVISED STANDARD PLANS 2015 A20A, A20B, A20C, A20D, A24A, A24B, A24C, A24D, AND A24E. ANY STRIPING NOT MARKED FOR REMOVAL SHALL BE PROTECTED IN PLACE. SEE SPECIAL PROVISIONS SECTION 84.
- 12. GREEN BIKE LANE MARKINGS SHALL BE SEALMASTER SAFE RIDE OR CITY APPROVED EQUIVALENT PER SECTION 84-6.01. INSTALLATION ON AC AND/OR CONCRETE SURFACE SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
- 13. CROSSWALKS SHALL BE 10' WIDE UNLESS OTHERWISE NOTED.
- 14. THERMOPLASTIC STRIPING PLACED ON CONCRETE REQUIRES A PRIMER COAT PRIOR TO APPLICATION.
- 15. FLEX POST MUST BE PEXCO CITY POST MODEL EAC OR APPROVED EQUAL. FLEX POST SPECIFICATIONS SHALL BE APPROVED BY ENGINEER PRIOR TO PROCUREMENT.
- 16. RECTANGULAR RAPID FLASHING BEACONS (RRFB) AND RADAR SPEED FEEDBACK SIGN EQUIPMENT SUBMITTALS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEACOUREMENT.
- 17. HYDRANT MARKERS MUST BE INSTALLED PER STD. 7920. DO NOT INSTALL IN BIKE LANES
- 18. DO NOT APPLY ROADWAY STRIPING OR PAVEMENT MARKINGS ON PCC UTILITY COLLARS UNLESS OTHERWISE APPROVED BY THE ENGINEER.

### TREE PROTECTION

- 1. PROTECT TREE BRANCHES, TRUNK, ROOTS AND FOLIAGE THROUGH PROPER TRIMMING AND CONSTRUCTION TECHNIQUES WHENEVER POSSIBLE PER CITY STANDARD SPECIFICATIONS SECTION 20. CONTRACTOR TO HIRE CERTIFIED ARBORIST FOR TREE TRIMMING TO ALLOW NECESSARY EQUIPMENT CLEARANCE AT NO ADDITIONAL COST TO THE CITY. NOTIFY THE ENGINEER 48 HRS IN ADVANCE OF THE WORK.
- 2. WHERE TREES CANNOT BE TRIMMED TO AVOID CONFLICT WITH CONSTRUCTION EQUIPMENT, THE FOLLOWING TECHNIQUES MAY BE UTILIZED TO MINIMIZE DAMAGE DURING CONSTRUCTION ACTIVITIES:
- a. USE EQUIPMENT THAT IS SHORTER IN HEIGHT OR WIDTH TO AVOID CONTACT WITH TREES
- b. BACK EQUIPMENT UNDER LIMBS AND FOLIAGE TO MINIMIZE CONTACT WITH CONSTRUCTION EQUIPMENT
- c. EMPLOY HAND TECHNIQUES TO AVOID USING EQUIPMENT UNDER VULNERABLE TREES
- d. UNDER COORDINATION WITH THE CITY ARBORIST, PUSH INTERFERING TREE LIMBS TEMPORARILY OUT OF THE WAY

### LAYOUT APPROVAL

- ALL STRIPING LAYOUTS, PLACEMENT OF VERTICAL ROADWAY ELEMENTS (I.E. FLEX POSTS, MEDIANS, ETC.), PARKING STALL TEES AND CURB PAINTING LIMITS SHALL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD PRIOR TO INSTALLATION.
- 2. NEW SIGN POSTS MUST BE INSTALLED PER ENG. STD. 7210 & 7215.
- 3. UNLESS OTHERWISE NOTED HEREIN, ALL LANE WIDTH DIMENSIONS ARE MEASURED FROM CENTER OF STRIPE TO FACE OF CURB (OR EDGE OF PAVEMENT WHERE NO CURB EXISTS AT OUTSIDE EDGE OF ROADWAY).

### legend:

HMA SURFACE 10" DEPTH PER DETAIL Y, SHEET D2

HMA SURFACE 6" DEPTH PER DETAIL Z, SHEET D2

REPLACE SSMH FRAME AND COVER PER ENG. STD. 6610 INSTALL NEW CONE AND GRADE RINGS AS NECESSARY TO COMPLETE THE WORK.

- FIRE HYDRANT
- ☐ HYDRANT MARKER
- DRIVEWAY

O SIGN POST

- RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM
- STORM DRAIN INLET

— G— GAS LINE

### ADJUST TO FINISHED GRADE PER CITY STDs.

- MH STORM or SEWER MANHOLE (PER 6040)
- ₩ATER VALVE (PER 6040)
- MONUMENT (PER 9020)
- TRAFFIC BOX
- COMMUNICATIONS (PER 9030)
- G GAS COVER

### REPLACE

REPLACE SSMH FRAME AND COVER PER ENG. STD. 6610. INSTALL NEW CONE AND GRADE RINGS AS NECESSARY TO COMPLETE THE WORK.

### 65% DESIGN FOR REVIEW ONLY NOVEMBER 2024

ORCUTT

TANK FARM

# index to plans

sheet no.

description

## Base Bid

T1 VICINITY MAP, GENERAL NOTES

D1-2 DETAILS

C1- CURB RAMPS

S1-2 CALLE JOAQUIN

S3-5 SACRAMENTO

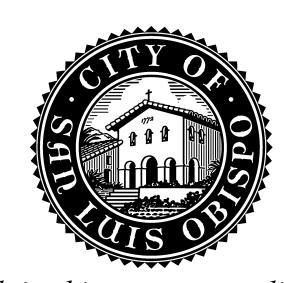
S6-8 TANK FARM (BROAD TO RIGHETTI)

# Add. Alt. A

S9-10 TANK FARM (RIGHETTI TO ORCUTT) S11-12 ORCUTT

#### Reference Documents:

City Standard Specifications - XXX 2025 Edition City Engineering Standards - XXX 2025 Edition



san luis obispo county, california

# **ROADWAY PAVING 2025**



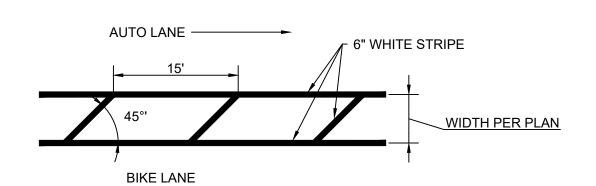
### APPROVED BY

Brian A. Nelson, City Engineer R.C.E. C79870 Approved Date

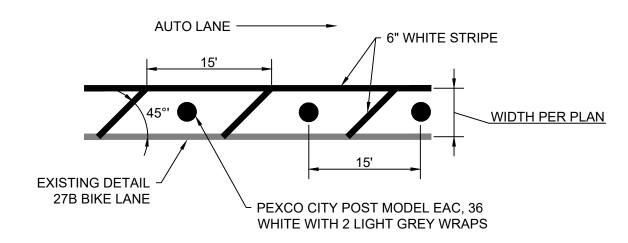
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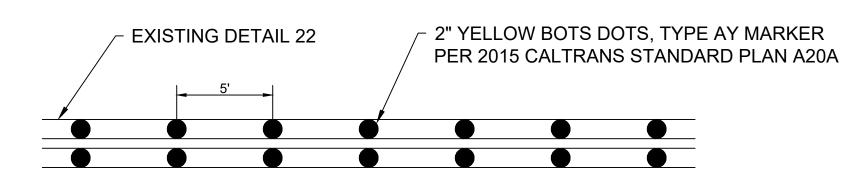
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A BIKE BUFFER
NOT TO SCALE



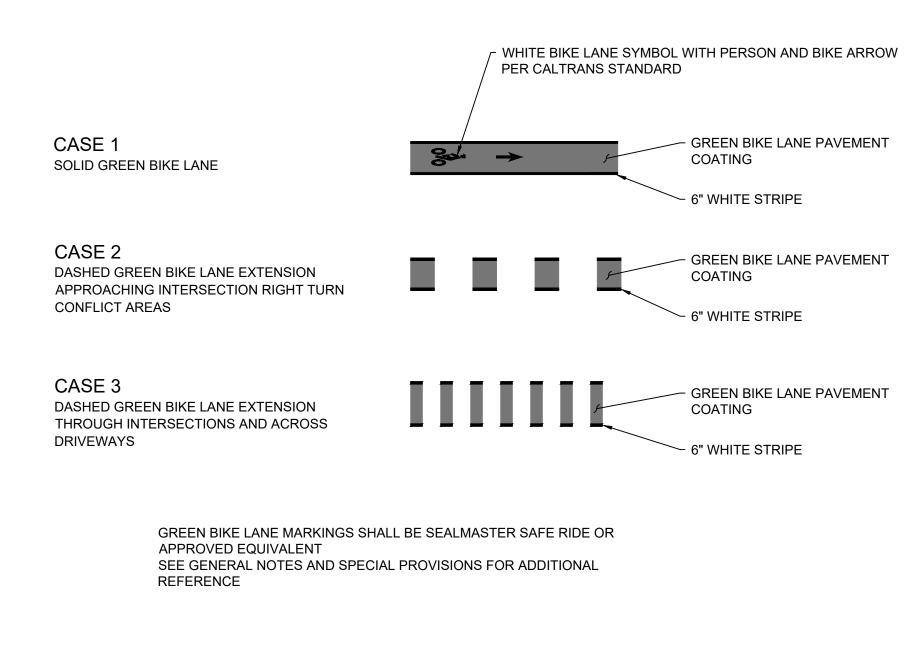
B BIKE BUFFER WITH POSTS
NOT TO SCALE



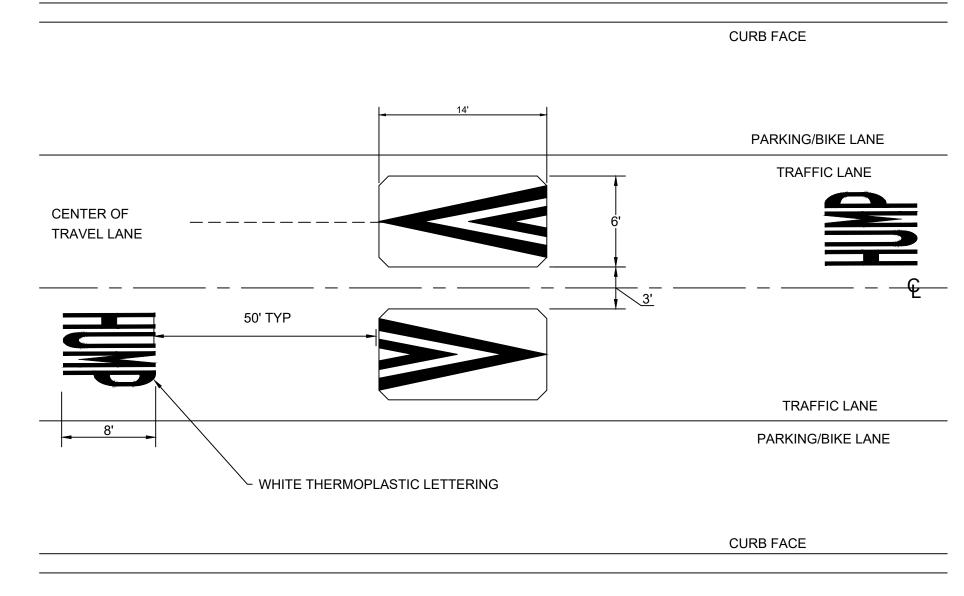
C CENTERLINE PAVEMENT MARKERS
NOT TO SCALE



D MODIFIED R10-15 SIGN
NOT TO SCALE



MODIFIED CITY STD 7360
NOT TO SCALE



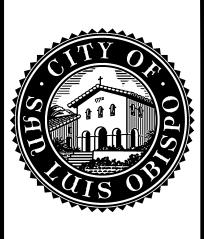
### **LAYOUT**

### SPEED CUSHION NOTES:

- 1. SPEED CUSHION DIMENSIONS:
- WIDTH 6'
- LENGTH 14'
- HEIGHT 3" (0.25')
- 2. SPEED CUSHION SPECIFICATIONS:
- BOLT-DOWN RUBBER MODULAR SYSTEM, TRAFFICLOGIX OR
- 100% RECYCLED SYNTHETIC AND NATURAL RUBBER COMPOSITE
- TENSILE STRENGTH MINIMUM 500 PSI SHORE HARDNESS - MINIMUM 70A
- SPECIFIC GRAVITY 1.1
- MARKINGS ALL BLACK RUBBER MODULES WITH WHITE RETROREFLECTIVE CHEVRON MARKINGS PER CA MUTCD

F SPEED CUSHION DETAIL
NOT TO SCALE

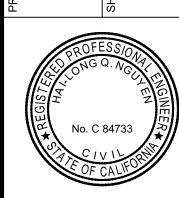
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202 **PAVING** 

DETAIL

ROADWAY

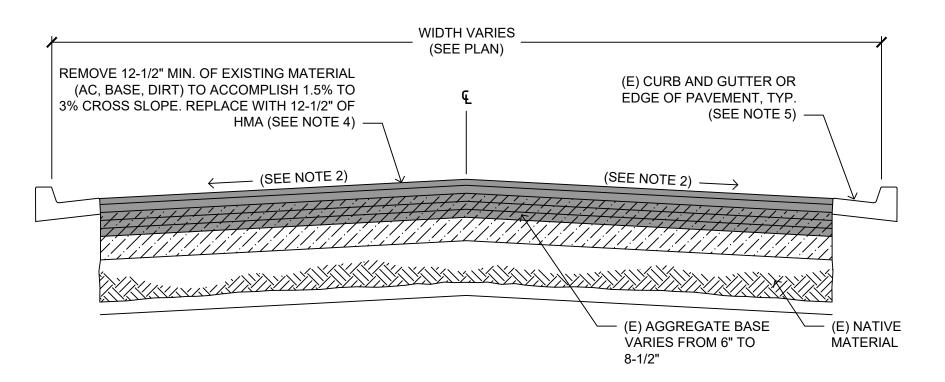


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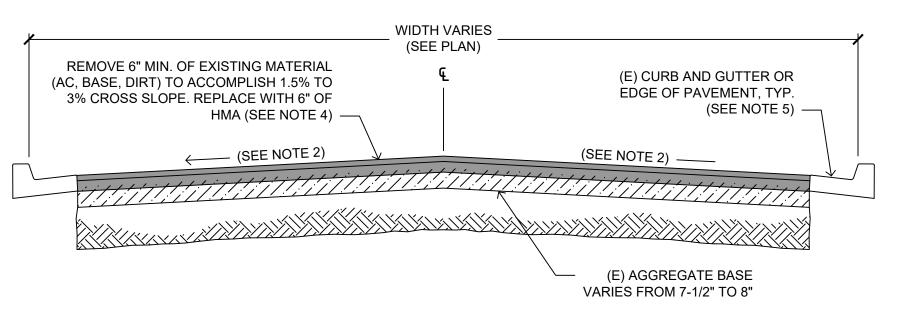
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#### NOTES:

- 1. SEE PAVEMENT EVALUATION REPORT FOR EXISTING PAVEMENT CORING INFORMATION.
- 2. PAVEMENT CROSS SLOPES SHALL MATCH EXISTING EXCEPT THAT CROSS SLOPES SHALL BE LIMITED TO 1.5% MINIMUM, 3% MAXIMUM, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 3. DEPTH OF EXISTING HMA LAYER VARIES FROM 10 TO 12 INCHES.
- 4. PLACE 12-1/2 INCHES OF NEW HMA IN FOUR LIFTS. THE INITIAL LIFT MUST BE 4 INCHES THICK (3/4" AGGREGATE) MAXIMUM AND FINAL LIFT BE 2-1/2 INCHES THICK (1/2" AGGREGATE).
- 5. CONTRACTOR TO PAVE UP TO GUTTER LIP OR EDGE OF EXISTING PAVEMENT.
- 6. HMA AGGREGATE SIZE MUST COMPLY WITH SECTION 39-3.01.
- 7. APPLY TACK COAT PER SECTION 39-1.09C, INCLUDING BETWEEN HMA LIFTS

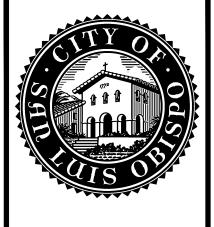
TYPICAL X-SECTION - TANK FARM, ORCUTT, AND SACRAMENTO



#### NOTES:

- 1. SEE PAVEMENT EVALUATION REPORT FOR EXISTING PAVEMENT CORING INFORMATION.
- 2. PAVEMENT CROSS SLOPES SHALL MATCH EXISTING EXCEPT THAT CROSS SLOPES SHALL BE LIMITED TO 1.5% MINIMUM, 3% MAXIMUM, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 3. DEPTH OF EXISTING HMA LAYER VARIES FROM 4 TO 6 INCHES.
- 4. PLACE 6 INCHES OF NEW HMA IN TWO LIFTS. THE INITIAL LIFT MUST BE 4 INCHES THICK (3/4" AGGREGATE) AND FINAL LIFT MUST BE 2 INCHES THICK (1/2" AGGREGATE).
- 5. CONTRACTOR TO PAVE UP TO GUTTER LIP OR EDGE OF EXISTING PAVEMENT.
- 6. HMA AGGREGATE SIZE MUST COMPLY WITH SECTION 39-3.01.
- 7. APPLY TACK COAT PER SECTION 39-1.09C, INCLUDING BETWEEN HMA LIFTS





PAVING 2025

ROADWAY PAVI



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CHECKED BY:

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APPROVED BY:

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**NOVEMBER 2024** 

**D2** of **00** 

