

STREET AND ALLEY SPECIFICATIONS

A. SUBGRADE:

EXCEPT WHERE OTHERWISE SHOWN ON THE PLANS OR IN TYPICAL DRAWING DETAILS, SUBGRADE FOR ALL STREET WORK SHALL BE UNIFORM AND COMPACTED TO A DENSITY OF NO LESS THAN 90% OF MAXIMUM DRY DENSITY PER ASTM D-1577 FOR A DEPTH OF AT LEAST EIGHT (8) INCHES BELOW BOTTOM OF CONCRETE OR BASE MATERIAL TO BE PLACED. SUBGRADE SHALL BE FINISHED TO WITHIN PLUS (HIGH) 0.04 FOOT OR MINUS (LOW) 0.10 FOOT OF DESIGN SURFACE SHOWN OR INDICATED BY THESE DRAWINGS. MOISTURE IN SUBGRADE MATERIAL AT TIME OF OVERLAYING CONCRETE OR BASE MATERIAL IS PLACED SHALL BE BETWEEN OPTIMUM PLUS 4% AND OPTIMUM PLUS 8%. NO LESS THAN ONE TEST SHOWING COMPLIANCE OF THE CONSTRUCTED FOR ASPHALT PAVING; AND, FOR EACH 100 LINEAL FEET OF SUBGRADE AREA PREPARED FOR SIDEWALKS AND CROSS-GUTTERS. A SOIL STERILANT (WEED KILLER) SHALL BE APPLIED TO THE SUBGRADE PRIOR TO PLACING AGGREGATE BASE. TYPE AND RATE SHALL BE APPROVED BY CITY.

B. AGGREGATE BASE:

AGGREGATE BASE FOR STREET PAVING AND ASSOCIATED FACILITIES SHALL BE CLASS 2, 3/4" MAXIMUM CONFORMING TO SECTIONS 26-1.01 THRU 26-1.02A, 26-1.04 AND 26-1.05 OF THE STANDARD SPECIFICATIONS. MOTOR GRADERS MAY BE USED FOR SPREADING AND SHAPING MATERIAL SO LONG AS SERIOUS SEGREGATION DOES NOT OCCUR. BASE SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY PER ASTM D-1557. THE FINISHED SURFACE OF BASE JUST PRIOR TO PLACEMENT OF OVERLAYING ASPHALT OR PORTLAND CEMENT CONCRETE SHALL BE WITHIN PLUS (HIGH) 0.02 FOOT OR MINUS (LOW) 0.02 FOOT OF DESIGN SURFACE INDICATED ON THESE DRAWINGS. ALL BASE AGGREGATE SHALL BE FURNISHED WITH A "CERTIFICATE OF COMPLIANCE". THE FREQUENCY OF TESTING IN-PLACE MATERIAL FOR DENSITY SHALL BE AS REQUIRED FOR SUBGRADE. TESTING FOR GRADATION SHALL BE NO LESS OFTEN THAN ONCE FOR EACH DAYS WORK; SAMPLING AND TESTING SHALL OCCUR EARLY IN THE WORK TO ALLOW ADJUSTMENT IF NEEDED. NO BASE MADE OF RECYCLED MATERIALS WILL BE ALLOWED UNLESS SPECIFICALLY AUTHORIZED BY CITY. THE FINAL THICKNESS OF BASE MEASURED IN PLACE SHALL AVERAGE NO LESS THAN THAT CALLED FOR ON THE DRAWINGS, EXCEPT, IN NO CASE SHALL THICKNESS BE MORE THAN 1/2 INCH LESS THAN SPECIFIED.

C. ASPHALTIC CONCRETE :

ASPHALTIC CONCRETE (AC) PAVING SHALL BE TYPE "B" CONFORMING TO SECTIONS 39-1.01 THRU 39-6.03 OF THE STANDARD SPECIFICATIONS AGGREGATE GRADATION SHALL BE 3/4 INCH MAXIMUM MEDIUM AND ASPHALT BINDER CONTENT SHALL BE AS REQUIRED BY CITY; EXCEPT , IN NO CASE SHALL PERCENT OF BINDER BE LESS THAN 5.5% OF TOTAL WEIGHT OF MIX. WHERE ASPHALTIC CONCRETE DOES NOT ABUT THE EDGE OF OTHER PAVING OR CONCRETE, EITHER ONE OR A COMBINATION OF THE FOLLOWING SHALL BE PROVIDED; INSTALL A 3" X 6" REDWOOD HEADER; DOUBLE THE THICKNESS OF AC FOR A DISTANCE OF EIGHTEEN (18) INCHES FROM THE EDGE; OR, EXTEND BASE AND SUBGRADE PREPARATION TWELVE (12) INCHES BEYOND EDGE OF ASPHALT. ALL ASPHALT PAVING SHALL BE FOG SEALED AFTER COMPLETION IN ACCORDANCE WITH SECTIONS 37-1.01 THRU 37-1.05 . ASPHALT PAVING DENSITY AFTER COMPLETION SHALL BE NO LESS THAN 95% (141 POUNDS PER CUBIC FEET). ASPHALT SHALL BE TESTED AT FREQUENCY AS OF 1 TEST FOR EACH 4,000 S.F. OF SURFACE AREA. ASPHALT SHALL BE SAMPLED AND TESTED FOR BINDER CONTENT NO LESS THAN ONCE FOR EACH DAY'S WORK; SAMPLING AND TESTING SHALL OCCUR EARLY IN THE WORK TO ALLOW ADJUSTMENT IF NEEDED. ALL ASPHALT SHALL BE FURNISHED WITH A "CERTIFICATE OF COMPLIANCE". THE FINAL THICKNESS OF ASPHALT MEASURED IN PLACE SHALL AVERAGE NO LESS THAN CALLED FOR ON THE DRAWINGS; EXCEPT, IN NO CASE SHALL THICKNESS BE LEES THAN 1/4" OF THE SPECIFIED THICKNESS.



REVISION	DESIGN	DRAWN	DATE
ORIGINAL	AC/JAG	A.C./G.M.	07/02/07
REV. 1	AC/JF	J.F./G.M.	05/29/15

APPROVED BY THE CITY OF EL CENTRO
PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION

R.C.E. 70281 05.29.15
DATE

ABRAHAM CAMPOS, P.E.
SENIOR ENGINEER

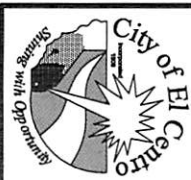
R.C.E. 24740 05.29.15
DATE

TERRY L. HAGEN, P.E.
DIRECTOR OF PUBLIC WORKS

CITY OF EL CENTRO
PUBLIC WORKS DEPARTMENT

STREET AND ALLEY
SPECIFICATIONS

DWG NO. EC-100



SCALE: N.T.S.

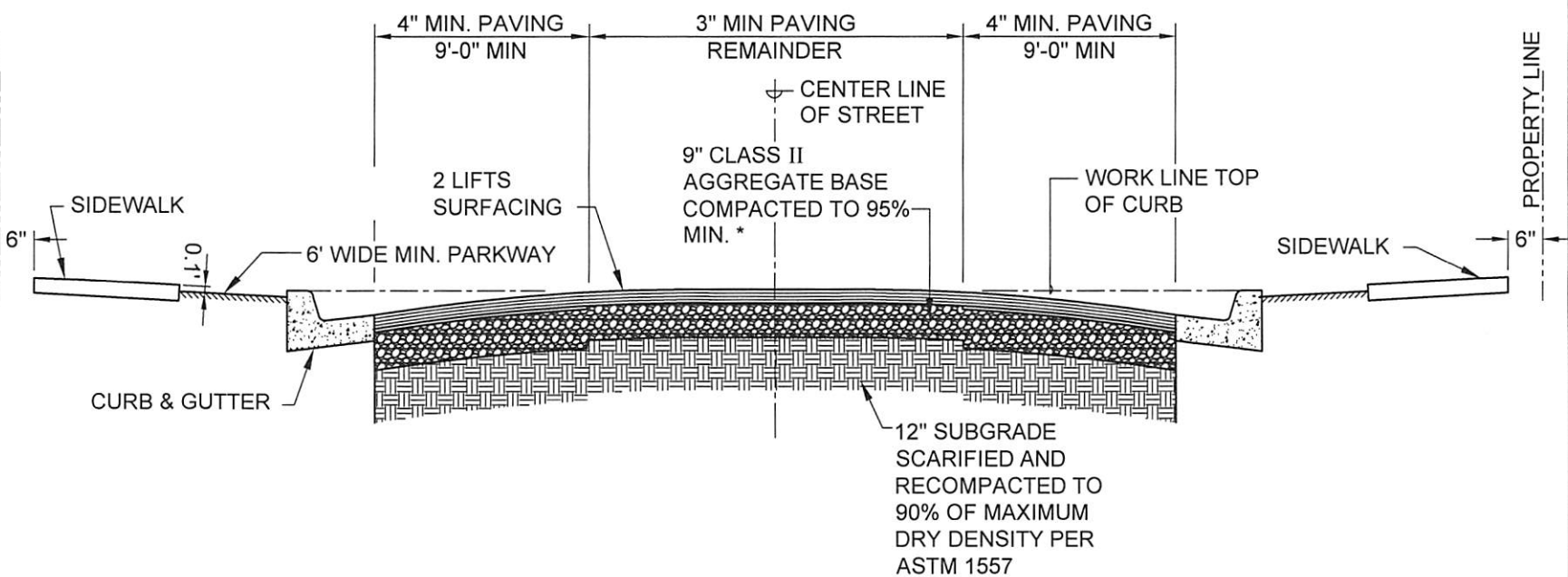
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 SENIOR ENGINEER
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 DIRECTOR OF PUBLIC WORKS
 R.C.E. 24740 05.29.15
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PROPERTY LINE



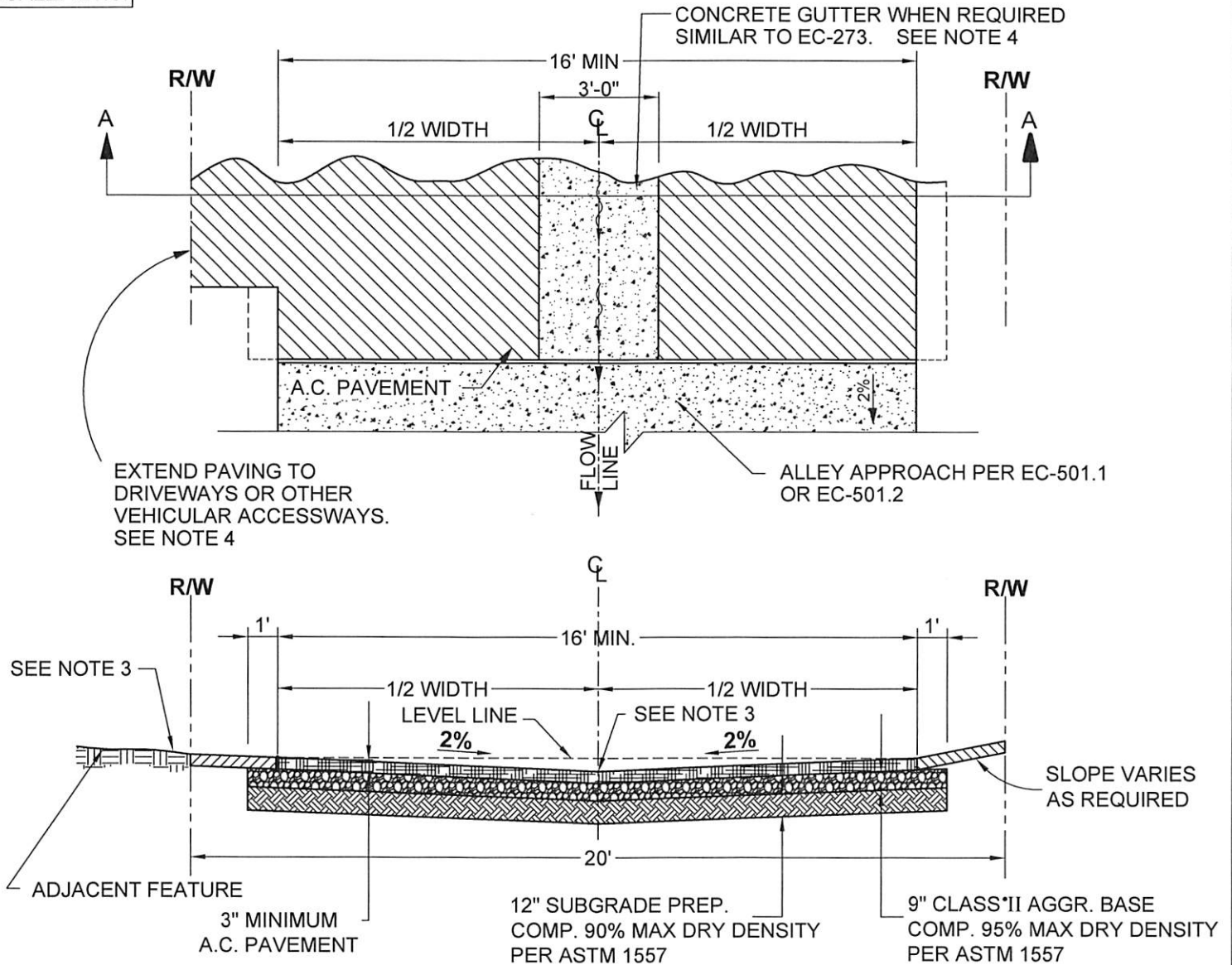
NOTE:
 SUBGRADE AND AGGREGATE BASE
 GRADING PLANE SHALL NOT VARY
 MORE THAN 0.05' ABOVE OR BELOW
 THE GRADE AS ESTABLISHED
 BY THE ENGINEER, THIS SHALL APPLY
 TO ALL STREETS.

ALL AS PER STD. SPECS., STATE OF
 CALIFORNIA DIVISION OF HWYS.
 SEE EC-501-3 FOR MORE REQUIREMENTS

*A MORE STRINGENT SOIL REPORTS
 MAY GOVERN. IF REQUIRED BY
 CITY ENGINEER.

CITY OF EL CENTRO
 PUBLIC WORKS DEPARTMENT
PAVING
 (TYPICAL SECTION)
 LOCAL RESIDENTIAL STREET
 DWG NO. **EC-101**

SCALE: N.T.S.



SECTION A-A

NOTES:

1. Alley flow line elevation shall be determined by accounting for all adjacent pads, structures, parking lots and any other objects that may be influenced by proposed paving .
2. Alley center flow line shall match direction of existing flow patterns in local terrain, i.e. adjacent streets flows.
3. Center flow line shall ALWAYS be lower than any adjacent pad, structure, parking lot, etc., at any section of the alley.
4. A 3' wide concrete gutter similar to EC-273 shall be used when the proposed alley center flow line falls below 1.5%
5. See street and alley specifications for additional requirements EC-100.
6. In the event that flow can not be established in accordance of the above criteria, the alley section detail may only be modified by the City Engineer on a case by case basis.



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DIRECTOR OF PUBLIC WORKS

CITY OF EL CENTRO
PUBLIC WORKS DEPARTMENT

**TYPICAL ALLEY &
ALLEY SECTION**

DWG NO. **EC-110**