PAVING CUT TRENCH REPAIR

GENERAL NOTES

CITY OF EL PASO SPECIFICATIONS FOR TYPE C ASPHALT SHALL BE USED FOR PAVEMENT REPAIRS UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER. CONTRACTOR MUST USE INDUSTRY STANDARD EQUIPMENT & METHODS FOR PAVING.

REPAIRS PERPENDICULAR TO THE STREET THAT ARE MORE THE 8' IN WIDTH AND EXTEND FROM EITHER GUTTER TO GUTTER OR FROM GUTTER TO THE CENTER OF THE STREET WILL REQUIRE THE USE OF A PAVING MACHINE.

LONGITUDINAL REPAIRS THAT ARE MORE THAN 8' IN WIDTH AND MORE THAN 15' IN LENGTH WILL REQUIRE THE USE OF A PAVING MACHINE.

TWO-SACK MATERIAL SHALL BE TWO SACKS OF CEMENT PER ONE CUBIC YARD OF SOIL, MATERIAL MUST BE PRE-MIXED, MIXING ON THE JOBSITE WILL NOT BE ALLOWED. THE MATERIAL MUST BE LEFT TO CURE FOR A MINIMUM OF 24 HOURS & CONTRACTOR MUST ASSURE THAT THE MATERIAL IS DRY PRIOR TO APPLYING EMULSION AND SETTING PAVING INSPECTION.

EMULSIFIED ASPHALT SS-1, SS-1h, CSS-1, OR CSS-1h SHALL BE EVENLY APPLIED THROUGHOUT THE CUT.

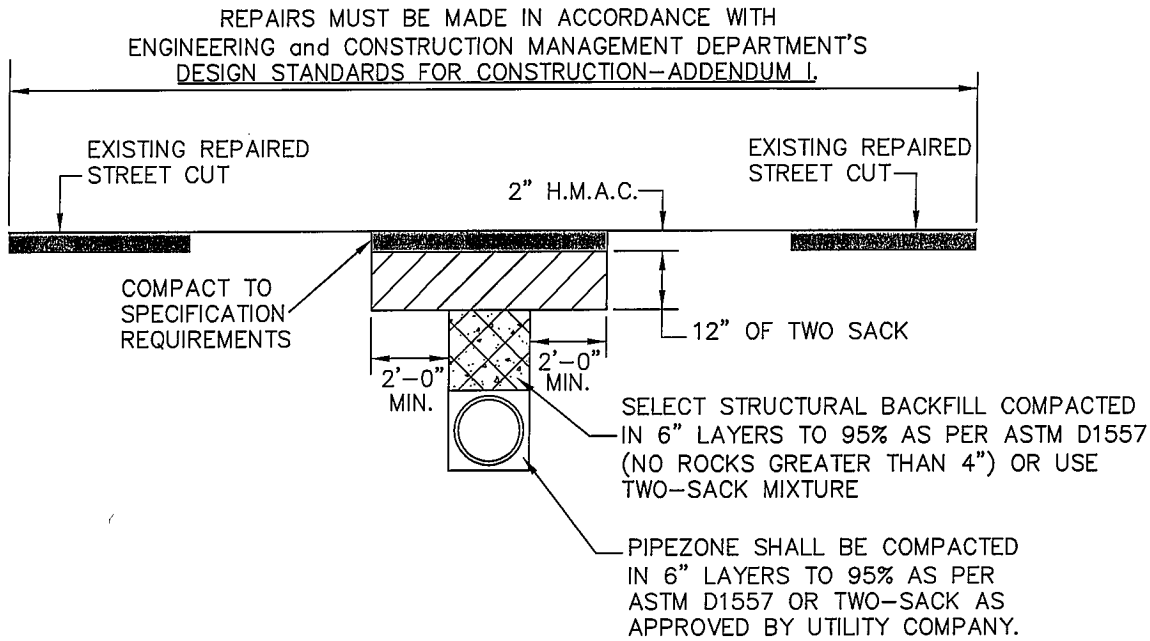
REPLACE ALL PAVING MARKINGS. MATERIALS MUST MEET CITY OF EL PASO STREET DEPARTMENT SPECIFICATIONS.

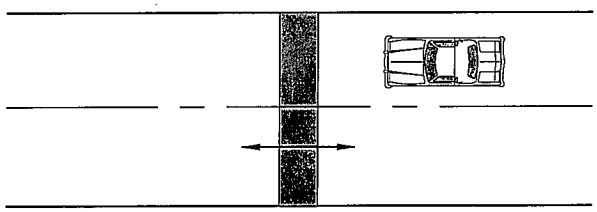
ASPHALT MUST BE COMPACTED WITH A STEEL DRUM ROLLER; USE OF A PLATE TAMPER WILL NOT BE ALLOWED.

THE USE OF VIBRATORY EQUIPMENT MUST BE APPROVED BY THE CITY ENGINEER.

A 1" THICK STEEL PLATE MUST BE PLACED OVER THE ENTIRE CUT & HAVE AN ASPHALT TRANSITION; REFER TO SHEET 3-59G.

CONTRACTOR MUST COMPLY WITH OSHA SAFETY GUIDELINES THAT APPLY TO TRENCH EXCAVATIONS. PAVING CUT INSPECTIONS WILL NOT BE CONDUCTED IF CONTRACTOR IS NOT IN COMPLIANCE WITH SAFETY GUIDELINES TO INCLUDE TRENCH SHORING.





PLAN VIEW

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

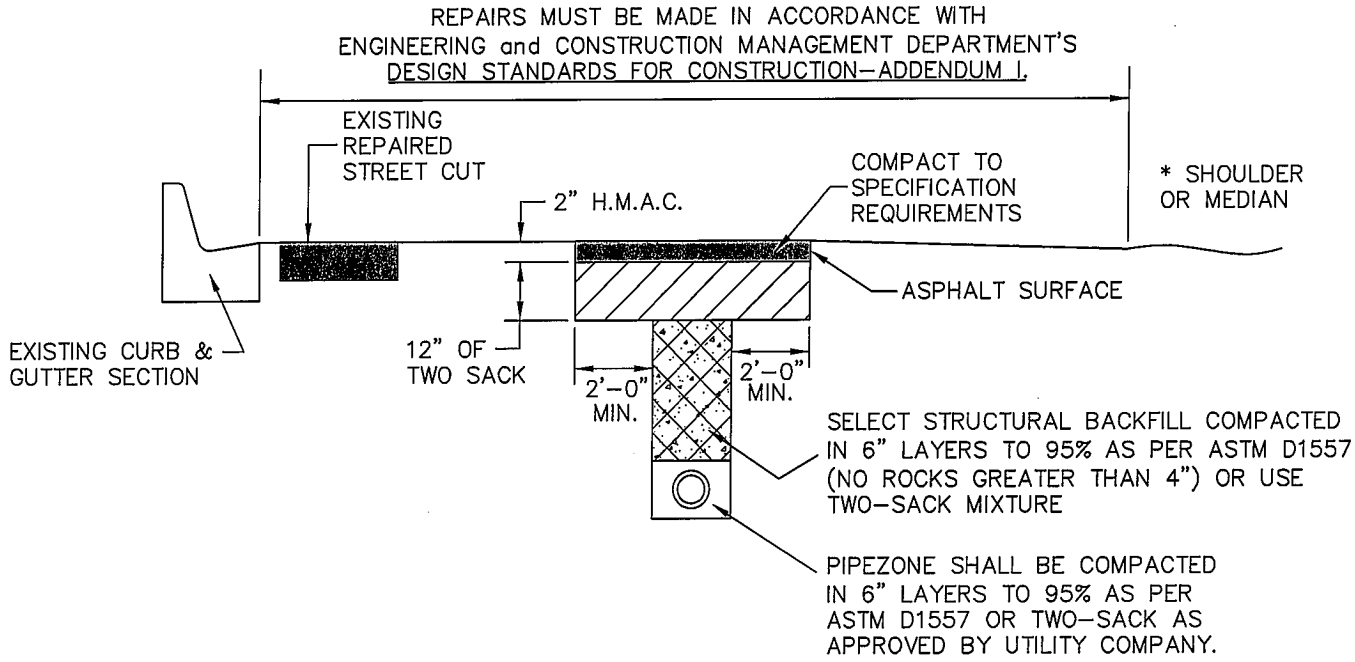
DESIGN STANDARDS FOR CONSTRUCTION

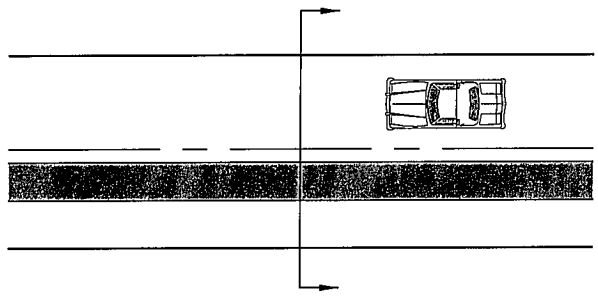
ADDENDUM 1

PAVEMENT CUT TRENCH REPAIR

3-59B

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF





PLAN VIEW

Transverse section view of parallel utility cut repair.

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and
CONSTRUCTION MANAGEMENT
DEPARTMENT

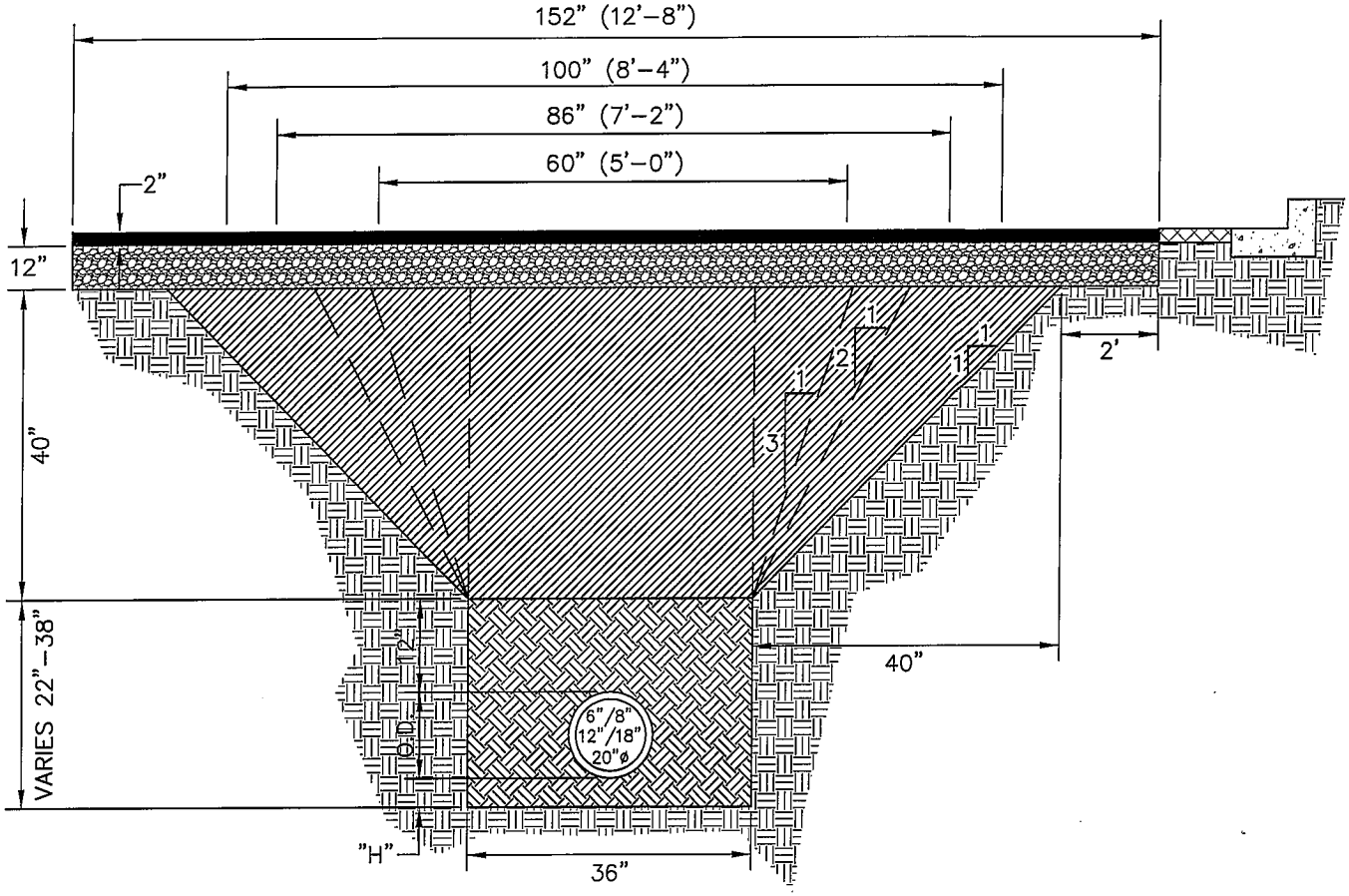
**DESIGN STANDARDS
FOR CONSTRUCTION**

ADDENDUM 1

PAVEMENT CUT TRENCH REPAIR

3-59C

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF



PAVEMENT REPLACEMENT
36" TRENCH WIDTH
PAVEMENT REPLACEMENT WIDTH
DEPENDS ON SOIL TYPE

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and
CONSTRUCTION MANAGEMENT
DEPARTMENT

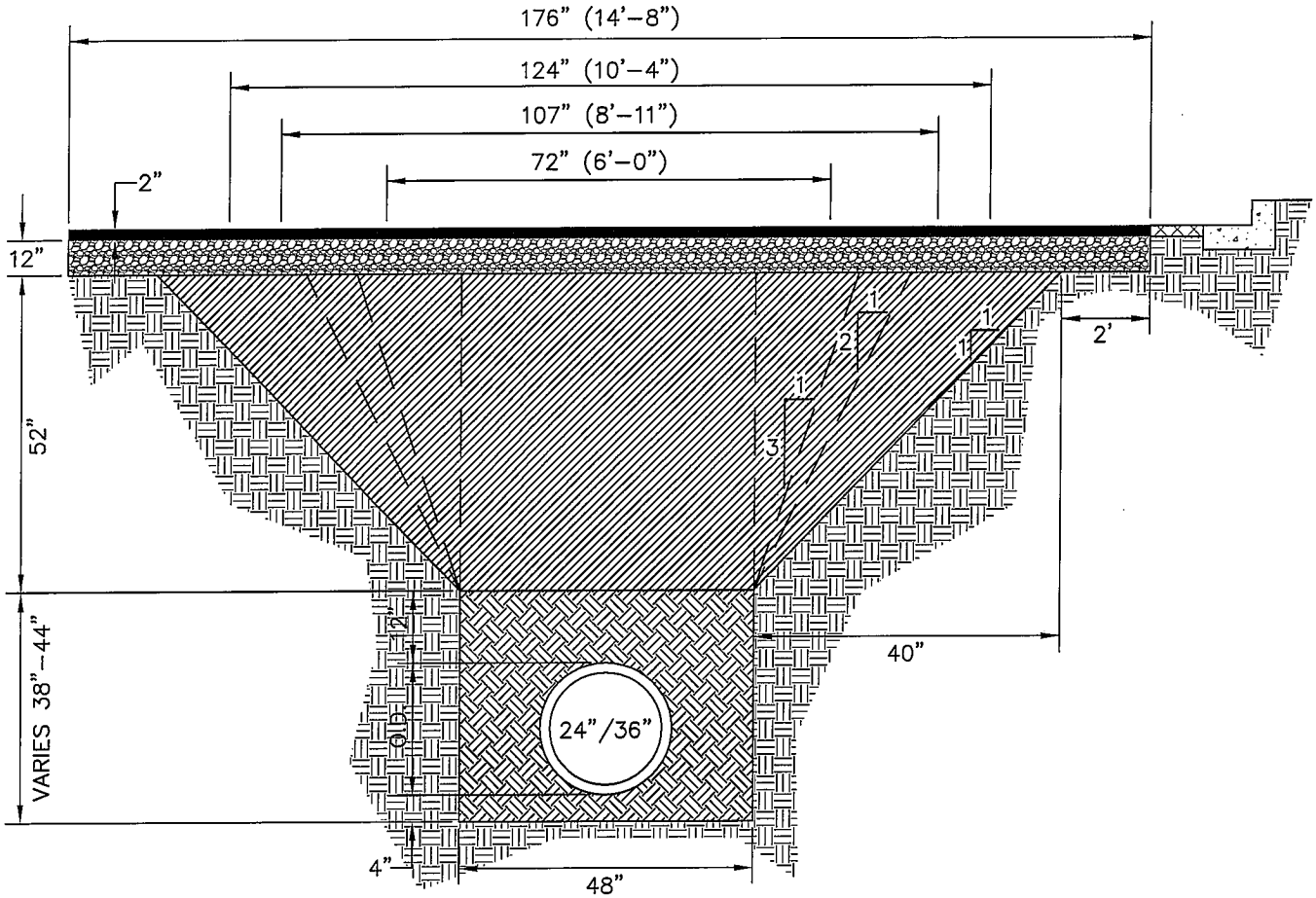
DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT CUT TRENCH REPAIR

3-59D

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF



PAVEMENT REPLACEMENT
48" TRENCH WIDTH
PAVEMENT REPLACEMENT WIDTH
DEPENDS ON SOIL TYPE

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and
CONSTRUCTION MANAGEMENT
DEPARTMENT

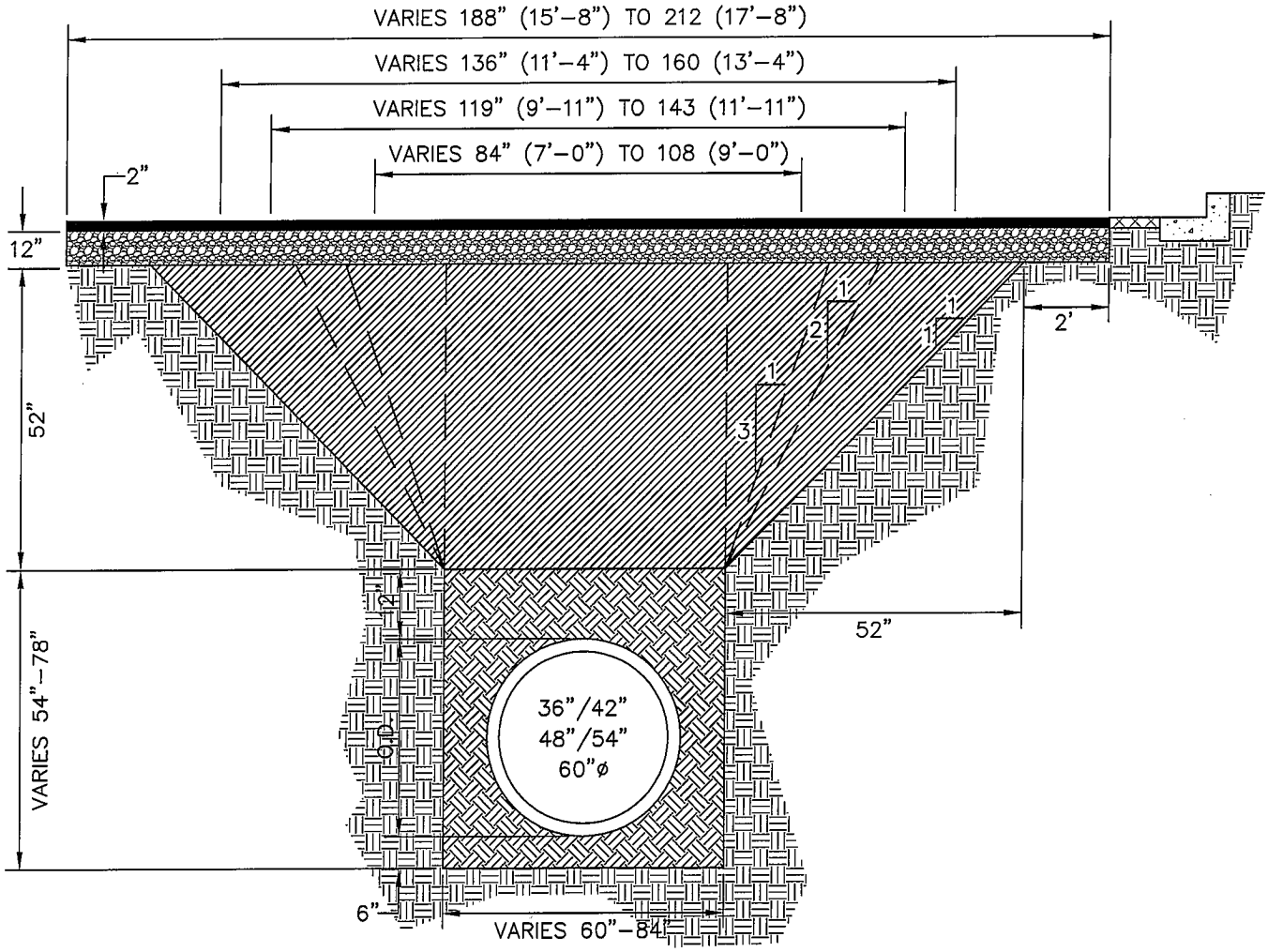
DESIGN STANDARDS
FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT CUT TRENCH REPAIR

3-59E

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF



PAVEMENT REPLACEMENT
TRENCH WIDTH AND
PAVEMENT REPLACEMENT WIDTH
DEPENDS ON SIZE OF PIPE AND
SOIL TYPE

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and
CONSTRUCTION MANAGEMENT
DEPARTMENT

**DESIGN STANDARDS
FOR CONSTRUCTION**

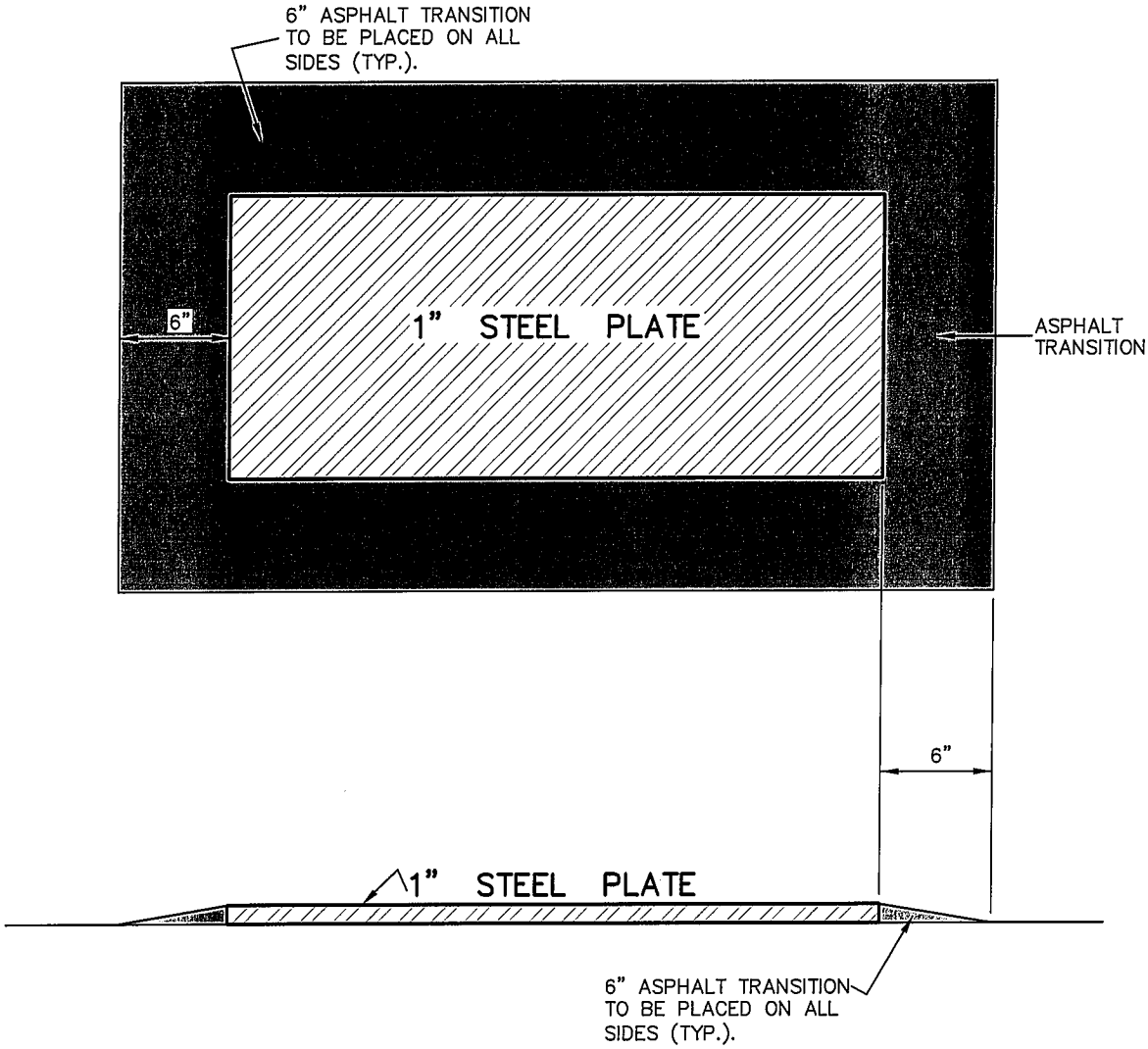
ADDENDUM 1

PAVEMENT CUT TRENCH REPAIR

3-59F

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF

STEEL PLATES



TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

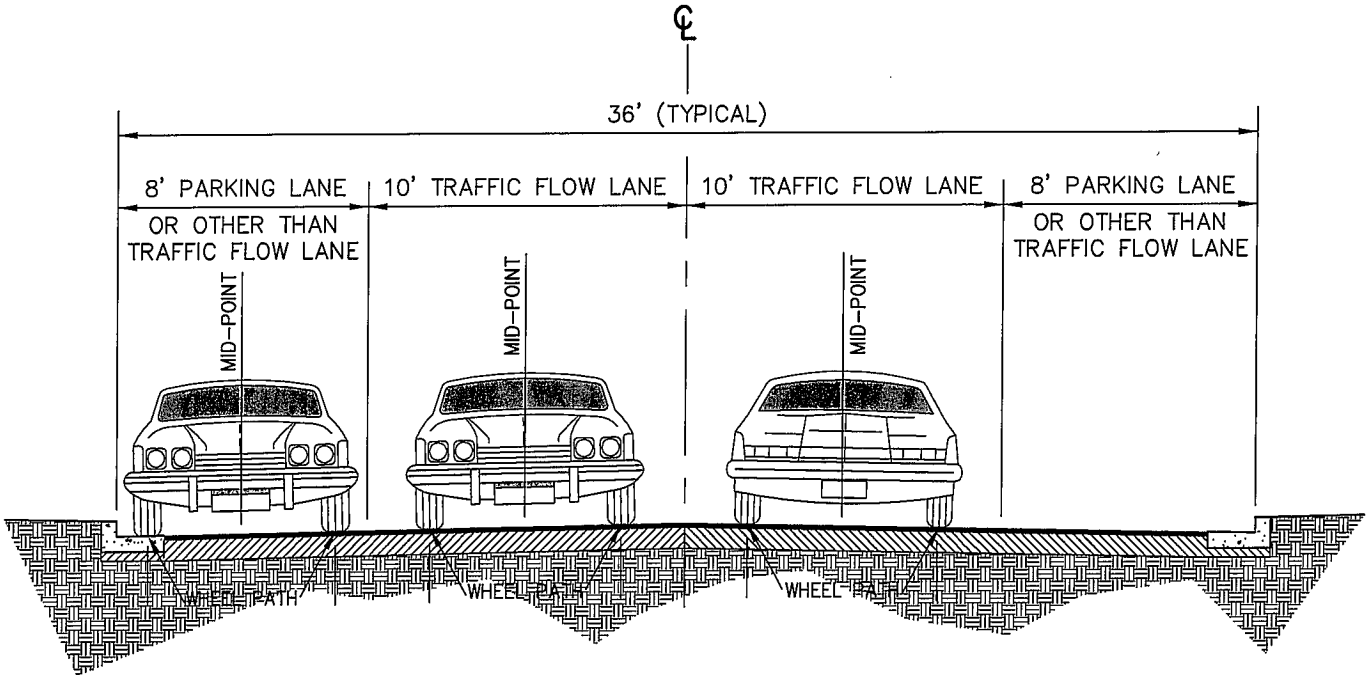
DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT CUT TRENCH REPAIR

3-59G

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF



NOTES:

1. PAVING CUTS MADE WITHIN THE TRAFFIC FLOW LANE MUST BE REPAIRED BY PAVING FROM THE STREET CENTERLINE TO THE MID-POINT OF THE WHEEL PATH OR FROM THE MID-POINT OF THE WHEEL PATH TO THE OUTER EDGE OF THE TRAFFIC FLOW LANE.

2. PAVING CUTS MADE WITHIN THE PARKING LANE OR OTHER THAN TRAFFIC FLOW LANE MUST BE REPAIRED BY PAVING FROM THE MIDPOINT TO THE GUTTER OR FROM THE MIDPOINT TO THE TRAFFIC FLOW LANE.

3. THIS STANDARD APPLIES TO ALL STREET CROSS-SECTIONS AND WILL BE EVALUATED ON A CASE BY CASE BASIS.

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

DESIGN STANDARDS FOR CONSTRUCTION

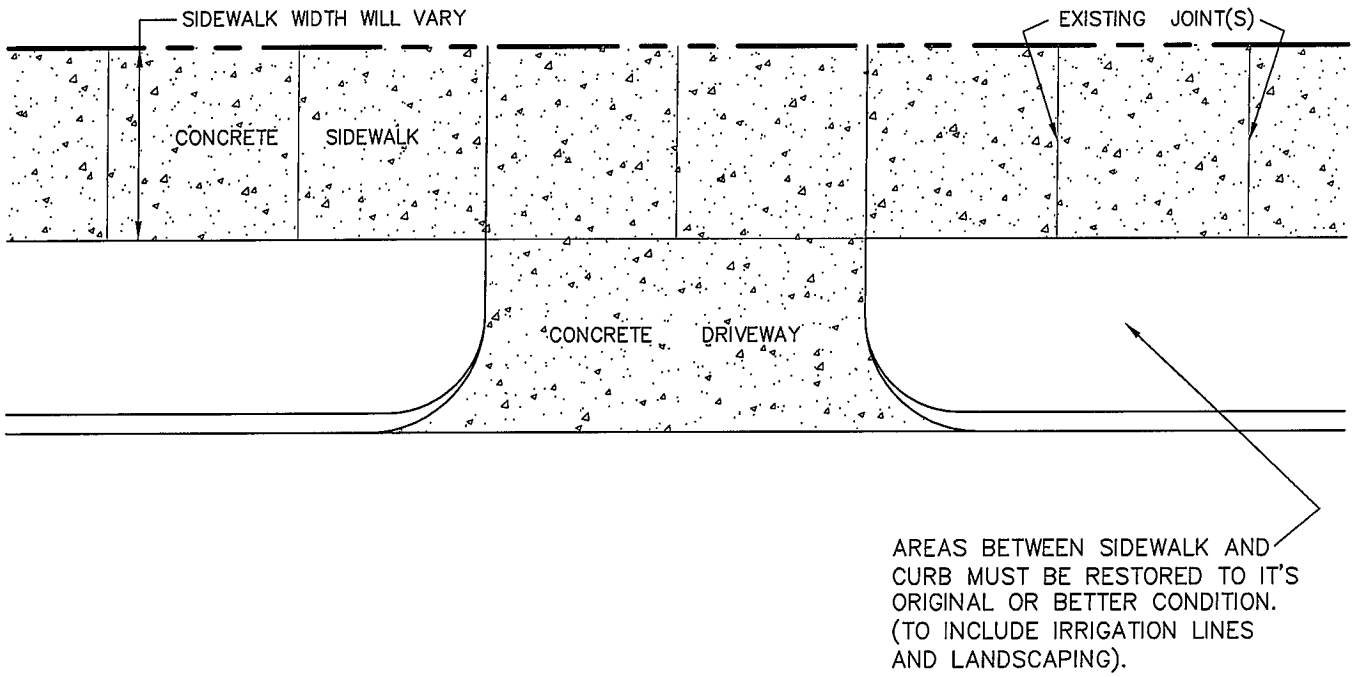
ADDENDUM 1

PAVEMENT CUT TRENCH REPAIR

3-59H

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF

TYPICAL FOR UTILITY REPAIRS ON SIDEWALKS, DRIVEWAYS AND PARKWAYS.



NOTES:

SIDEWALKS – REPLACE TO NEAREST JOINT. NO PATCHING WILL BE ALLOWED. REPLACEMENT MUST COMPLY WITH THE CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION (DSC) SECTION 6.

DRIVEWAYS – REPLACE TO NEAREST EXPANSION JOINT OR ENTIRE SECTION. NO PATCHING WILL BE ALLOWED. REPLACEMENT MUST COMPLY WITH THE CITY OF EL PASO DESIGN STANDARDS FOR CONSTRUCTION (DSC) SECTION 6.

EXCAVATIONS – EXCAVATION IN THE PARKWAY MUST BE COMPACTED IN ONE FOOT LIFTS TO 95% AS PER ASTM D1557.

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT CUT TRENCH REPAIR

3-59I

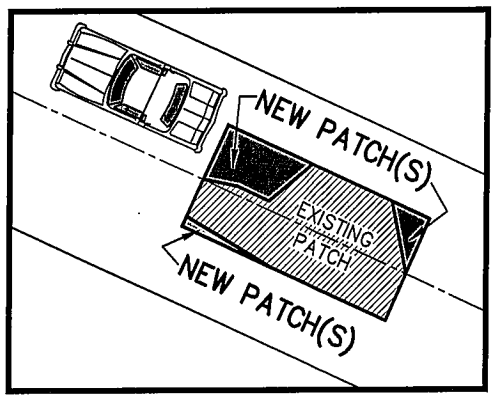
Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF

NOTE;

Drawings are conceptual only. See detailed cross-section sheets for repair procedures.

Patch slope and grade must match existing pavement.

NOT ACCEPTABLE



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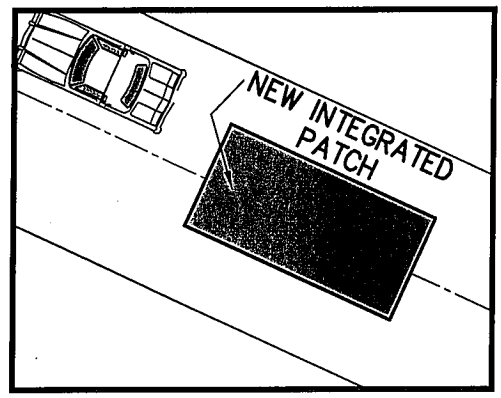
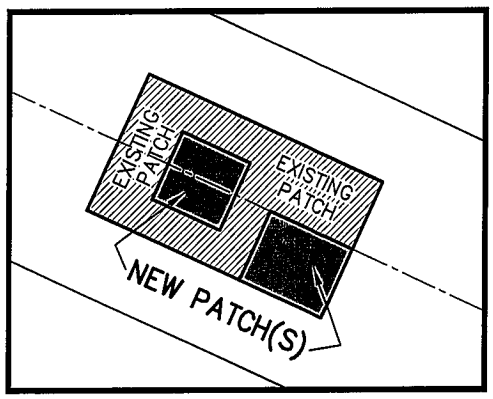


Do not construct patches with angled sides and irregular shapes.

NOT ACCEPTABLE



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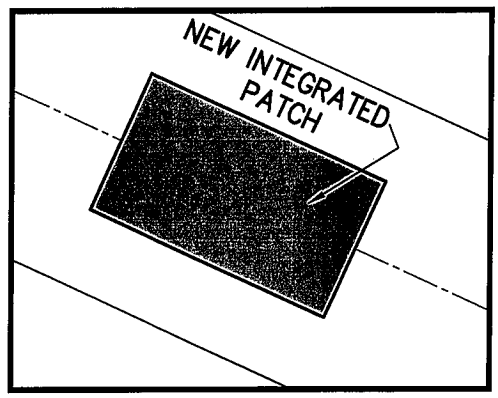


Patches within existing patches are not allowed.

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT REPAIR AREA

3-59J

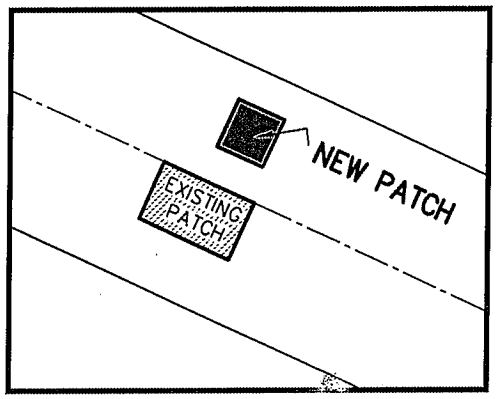
Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF

NOTE;

Drawings are conceptual only. See detailed cross-section sheets for repair procedures.

Patch slope and grade must match existing pavement.

NOT ACCEPTABLE



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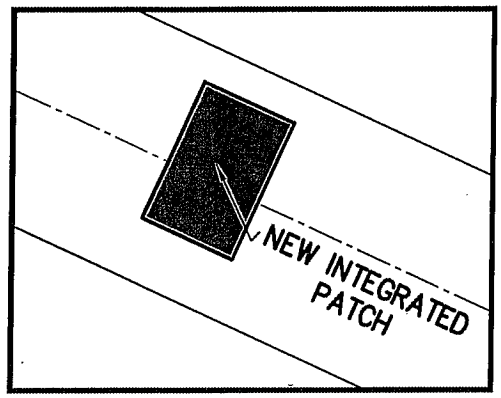
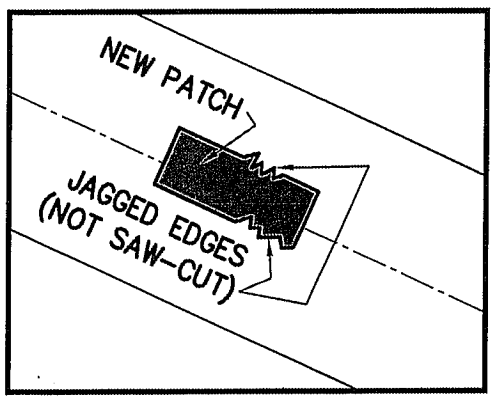


Patch no more than eight feet in each direction

NOT ACCEPTABLE



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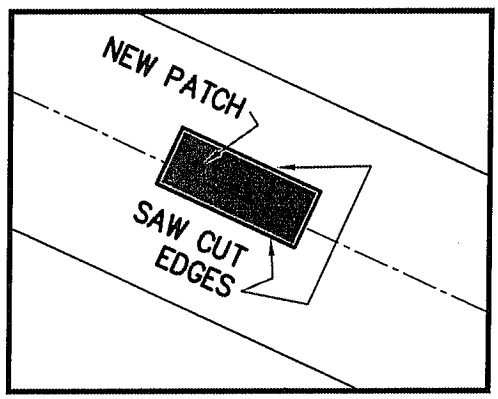


All edges shall be saw cut.

THE CITY OF EL PASO TEXAS	TITLE 19 - SUBDIVISION ORDINANCE ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT DESIGN STANDARDS FOR CONSTRUCTION	*ADDENDUM 1* *PAVEMENT REPAIR AREA* *3-59K*
		Approved By R. A. SHUBERT Date SEPT. XX, 2010
		Checked By RAS / IR / RS Drawn By CoEP STAFF

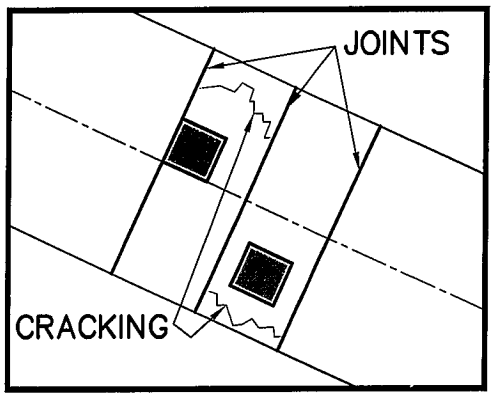
NOTE;

Drawings are conceptual only. See detailed cross-section sheets for repair procedures.

Patch slope and grade must match existing pavement.

CONCRETE PAVEMENT

NOT ACCEPTABLE



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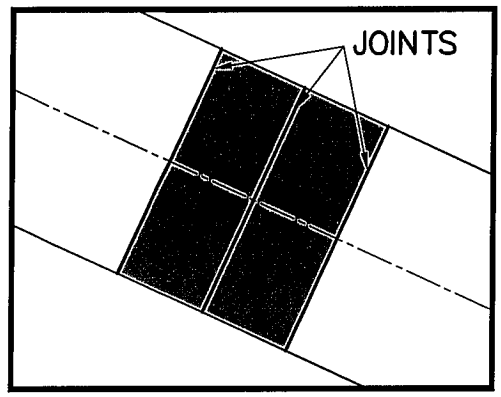


In concrete pavements, remove sections to existing joints.

NOTE;

Concrete pavement repairs must match existing design or as directed by the City Engineer.

Concrete shall be 4,000 P.S.I. @ 3 day high early strength.

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT REPAIR AREA

3-59L

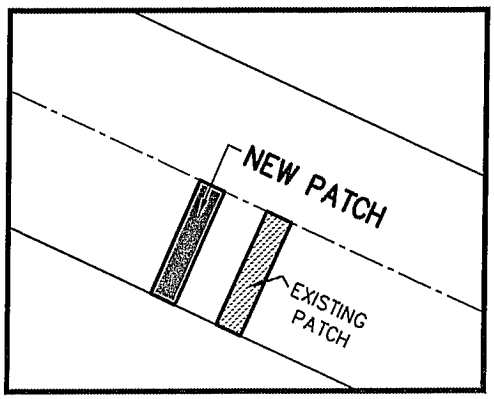
Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF

NOTE;

Drawings are conceptual only. See detailed cross-section sheets for repair procedures.

Patch slope and grade must match existing pavement.

NOT ACCEPTABLE



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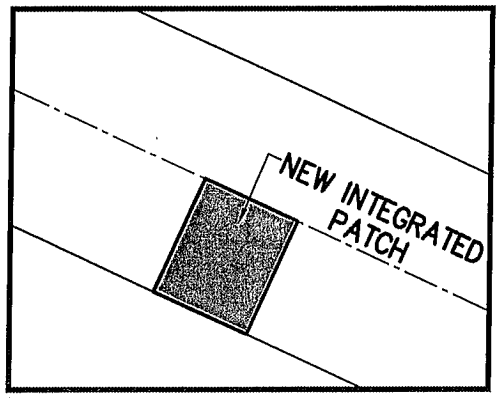
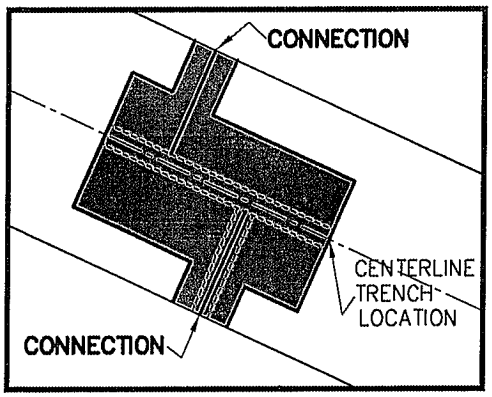


Patch no more than eight feet in each direction

NOT ACCEPTABLE



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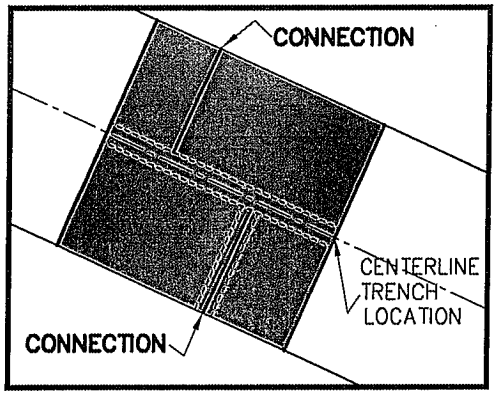


Patches must avoid frequent width changes.

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT REPAIR AREA

3-59M

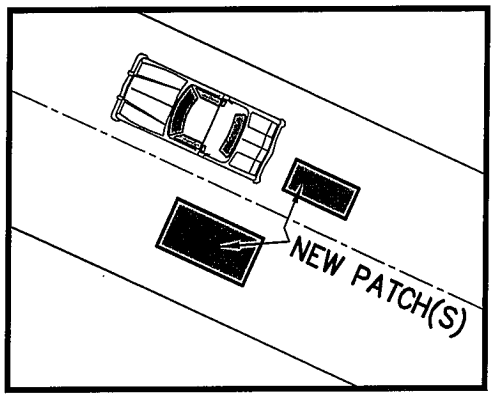
Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF

NOTE;

Drawings are conceptual only. See detailed cross-section sheets for repair procedures.

Patch slope and grade must match existing pavement.

NOT ACCEPTABLE



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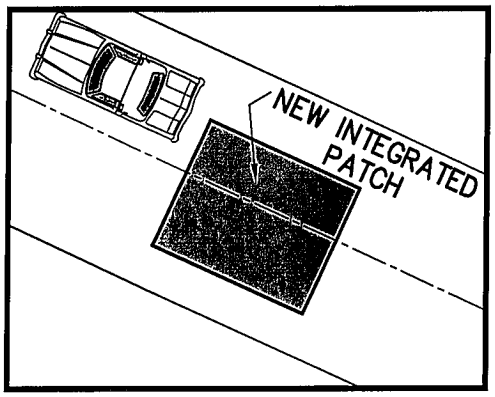
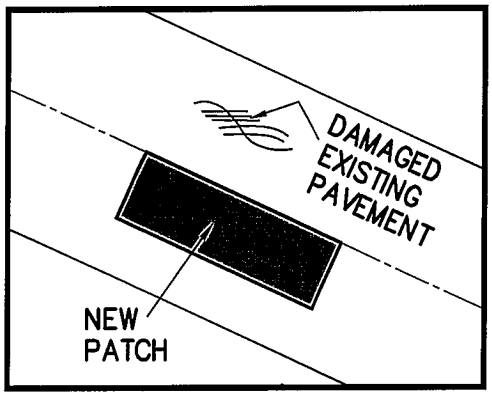


Do not allow the edges of patches to fall in wheel paths.

NOT ACCEPTABLE



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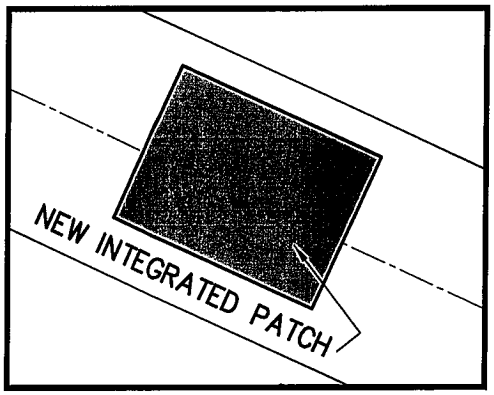


Damaged pavement caused by contractor's equipment must also be included as part of the repair.

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT REPAIR AREA

3-59N

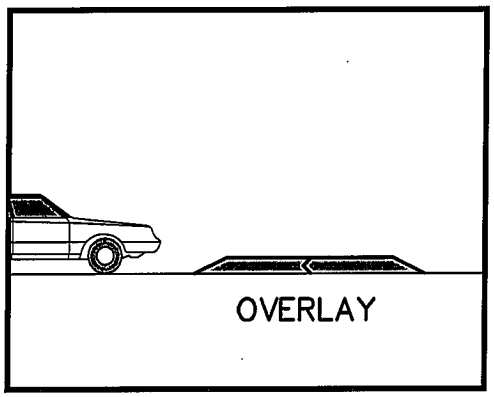
Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF

NOTE;

Drawings are conceptual only. See detailed cross-section sheets for repair procedures.

Patch slope and grade must match existing pavement.

NOT ACCEPTABLE



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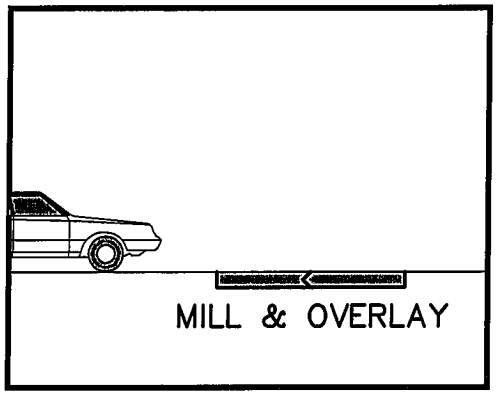
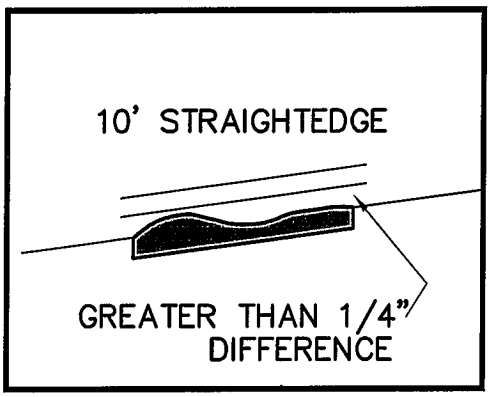


Patches may not decrease rideability.

NOT ACCEPTABLE



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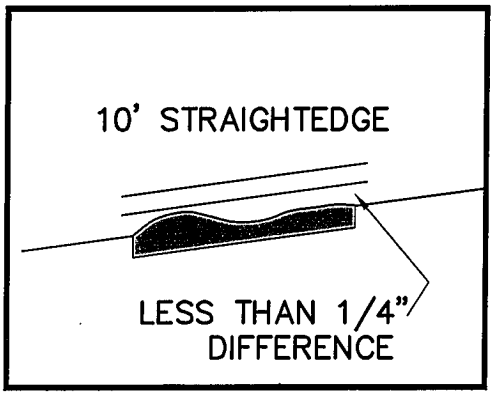


Surface tolerances for street repairs shall meet the standard for new construction.

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT REPAIR AREA

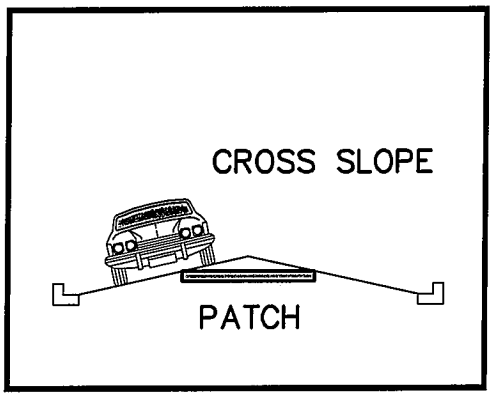
3-59O

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF

NOTE;

Drawings are conceptual only. See detailed cross-section sheets for repair procedures.

NOT ACCEPTABLE



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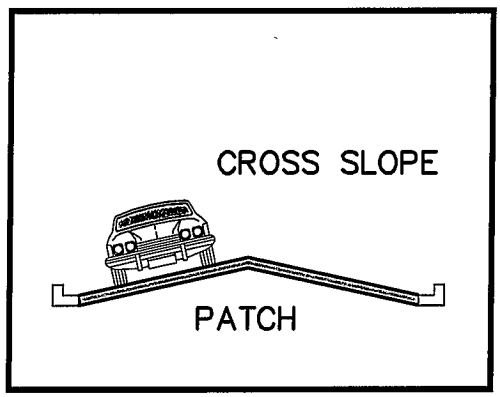


Patch slope and grade must match existing pavement.

TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

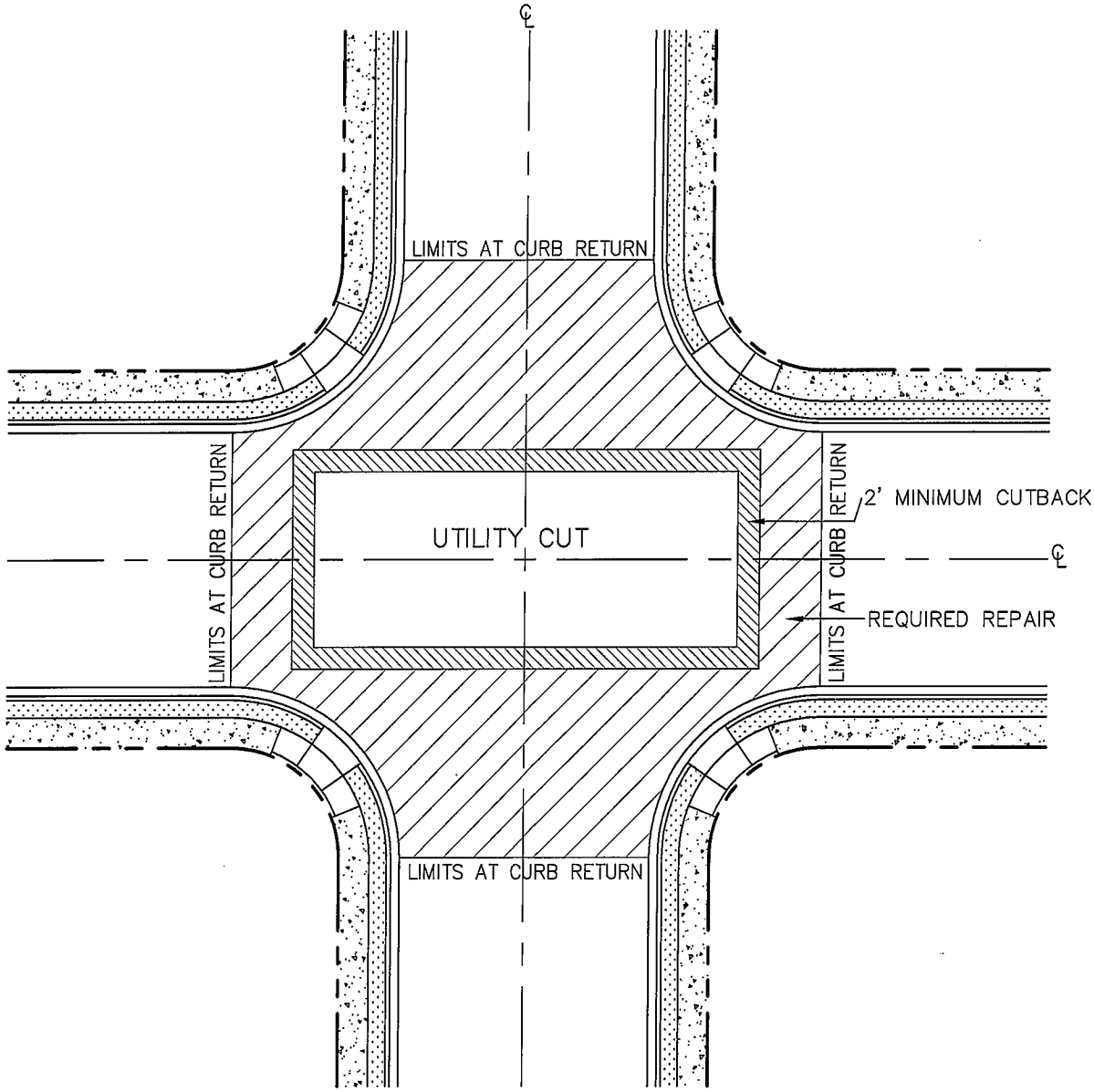
DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT REPAIR AREA

3-59P

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF



TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and
CONSTRUCTION MANAGEMENT
DEPARTMENT

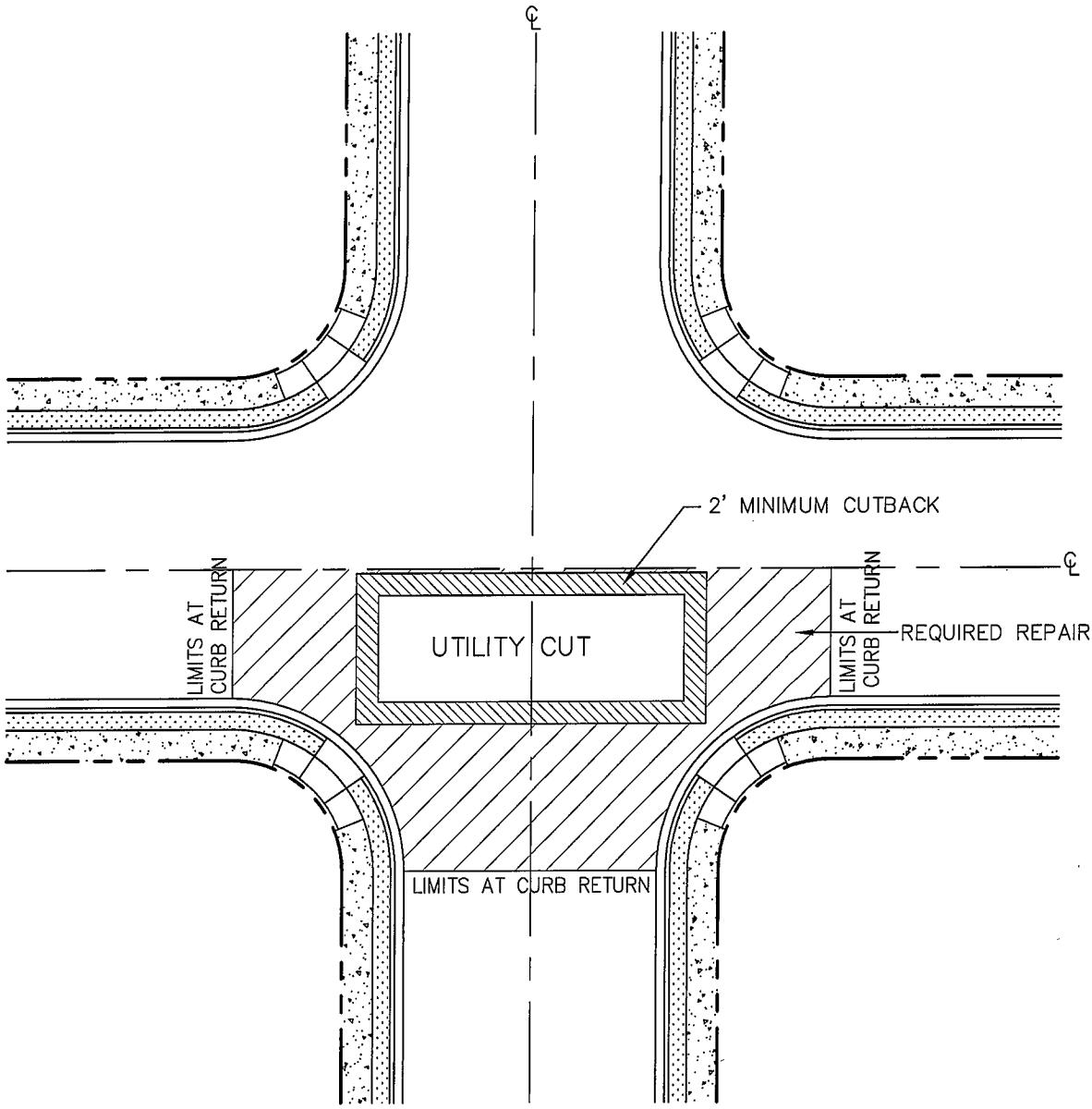
DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT REPAIR AREA

3-59Q

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF



TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and CONSTRUCTION MANAGEMENT DEPARTMENT

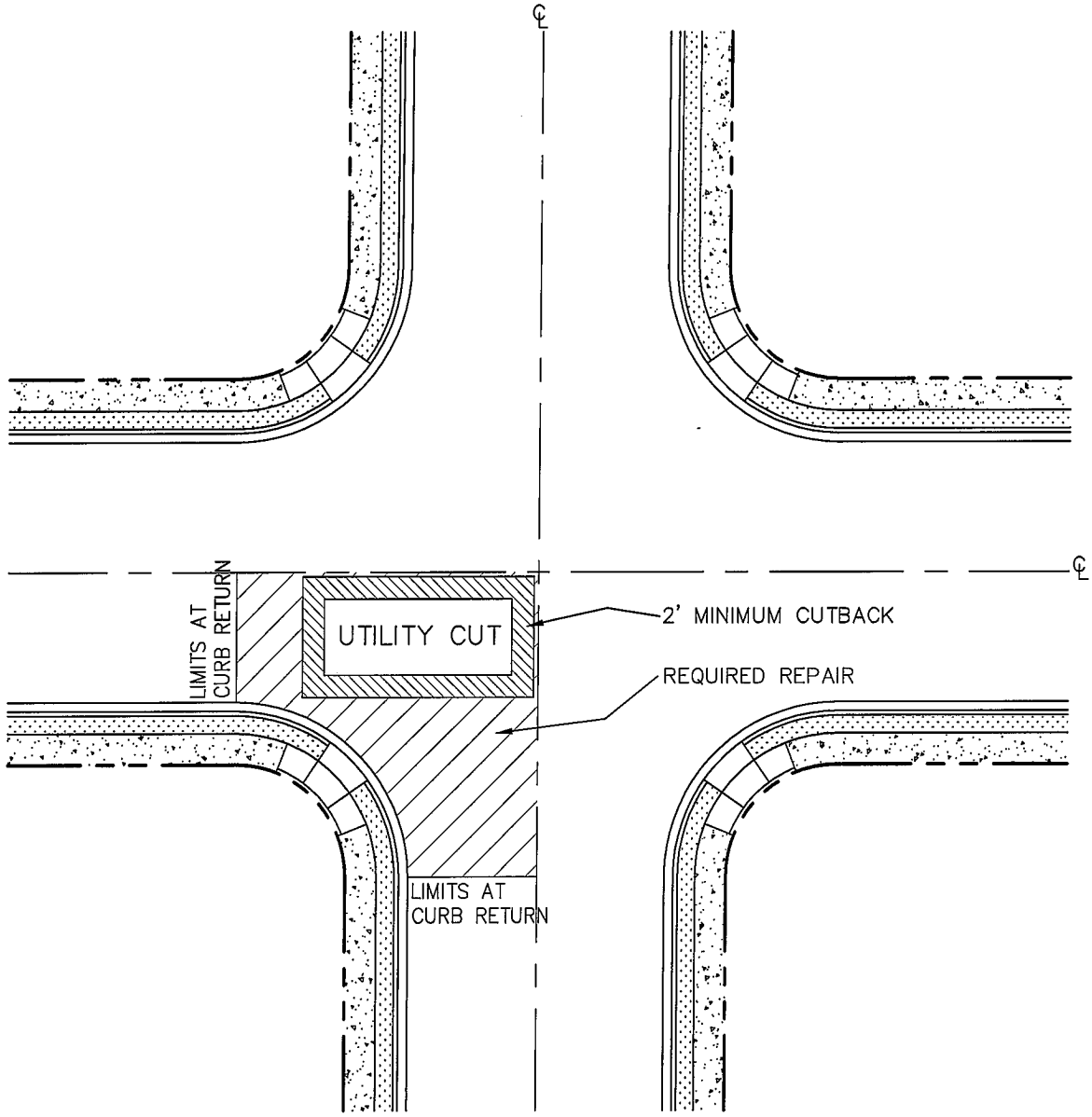
DESIGN STANDARDS FOR CONSTRUCTION

ADDENDUM 1

PAVEMENT REPAIR AREA

3-59R

Approved By R. A. SHUBERT	Checked By RAS / IR / RS
Date SEPT. XX, 2010	Drawn By CoEP STAFF



TITLE 19 - SUBDIVISION ORDINANCE

ENGINEERING and
CONSTRUCTION MANAGEMENT
DEPARTMENT

**DESIGN STANDARDS
FOR CONSTRUCTION**

ADDENDUM 1

PAVEMENT REPAIR AREA

3-59S

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Date SEPT. XX, 2010	Drawn By CoEP STAFF