

2015 STREETSCAPING MAINTENANCE

CITY OF LA CROSSE DOWNTOWN

EDF # 15-039 DWG NAME: Streetscape Maintenance.dwg

PROJECT No. 2015 STREETSCAPING MAINTENANCE

LOCATION CITY OF LA CROSSE DOWNTOWN

RESOLUTION DATE

ENGINEERING DEPT.
City of La Crosse, Wis.

PREPARED BY	BY	DATE
Drafter	Kyle Coman	03/2015
Designer	Matthew Nett	03/2015

Checked by	Matthew Nett	03/2015
Approved	Bernard Lenz	04/2015

Revisions		

APPROVED

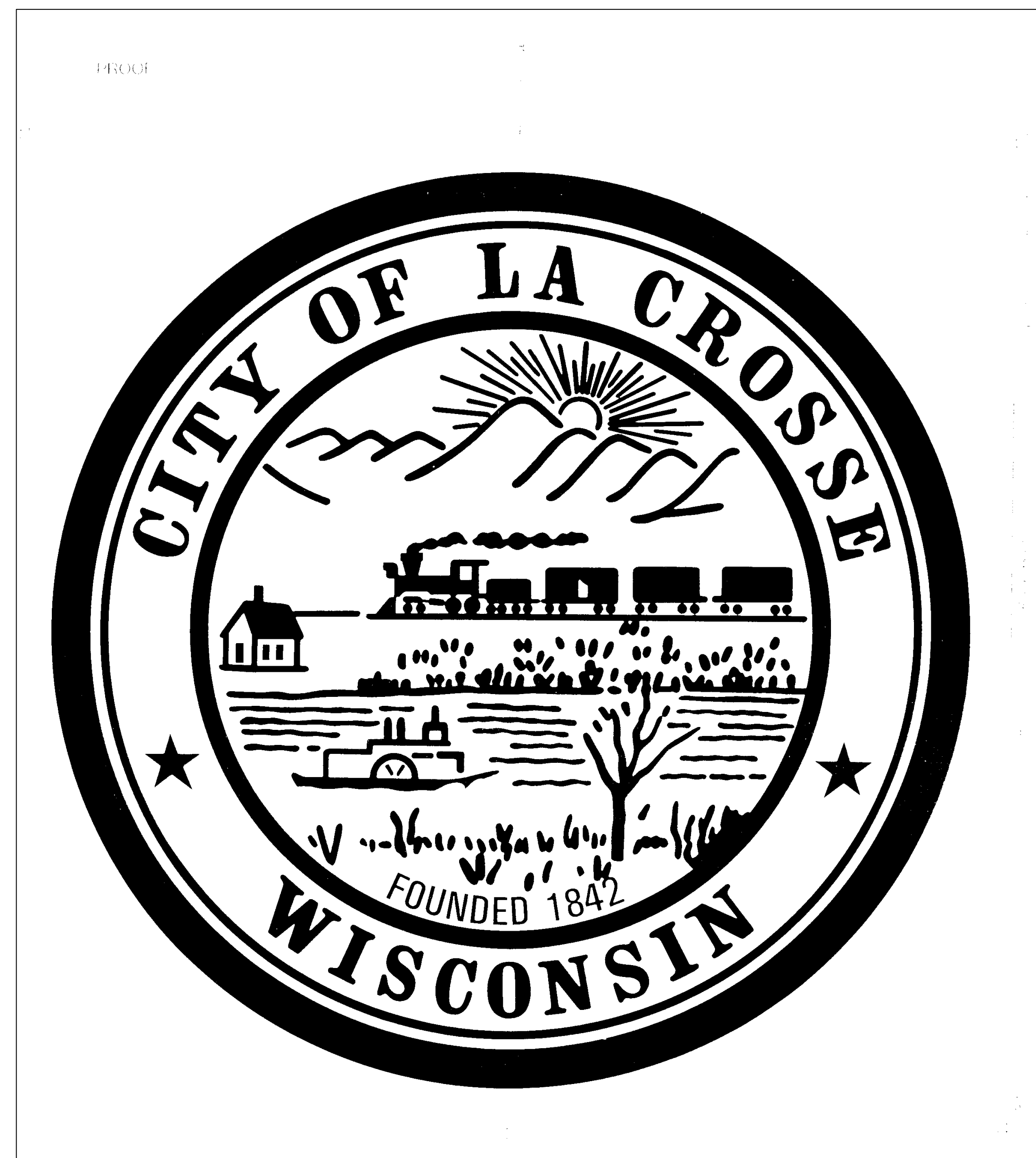
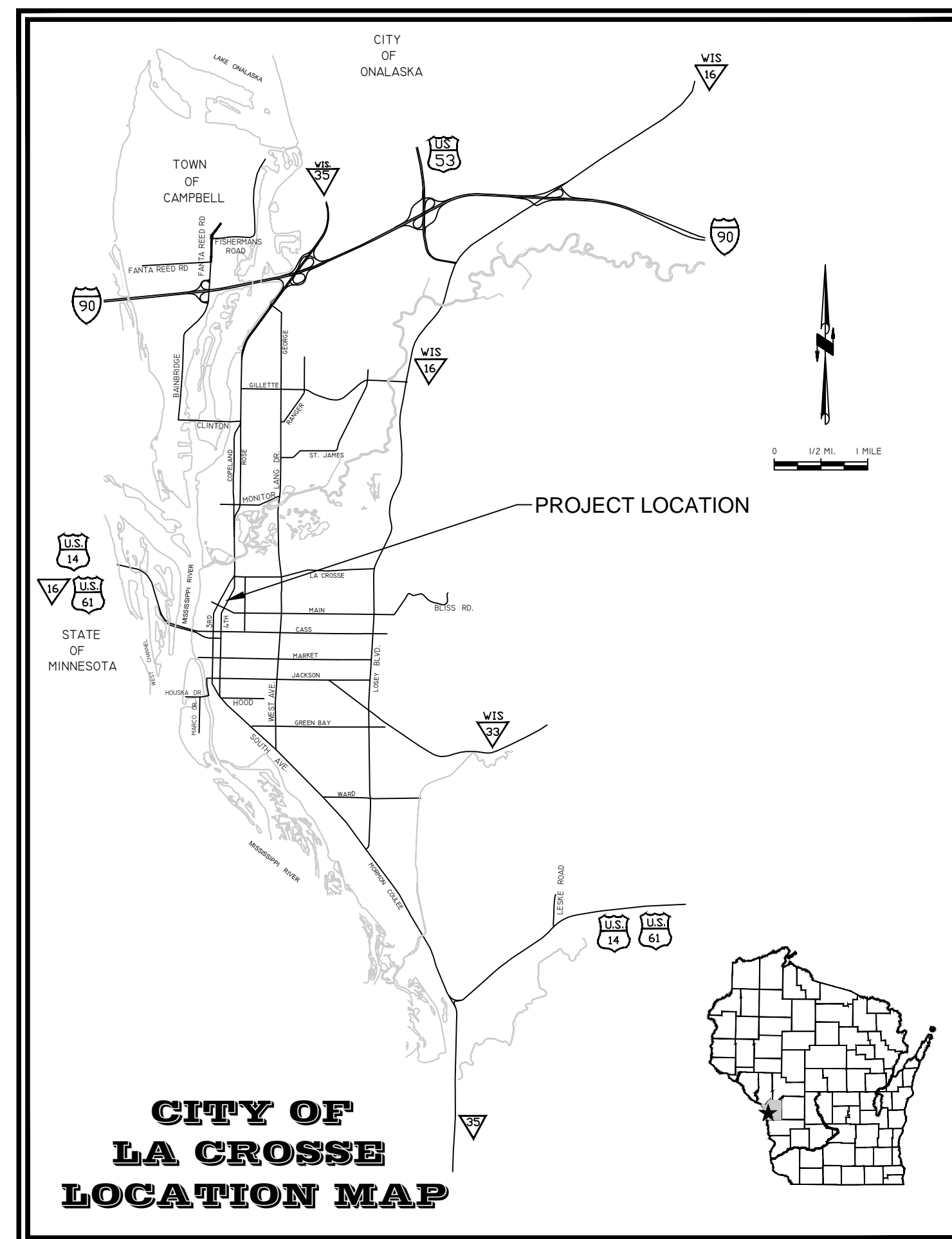
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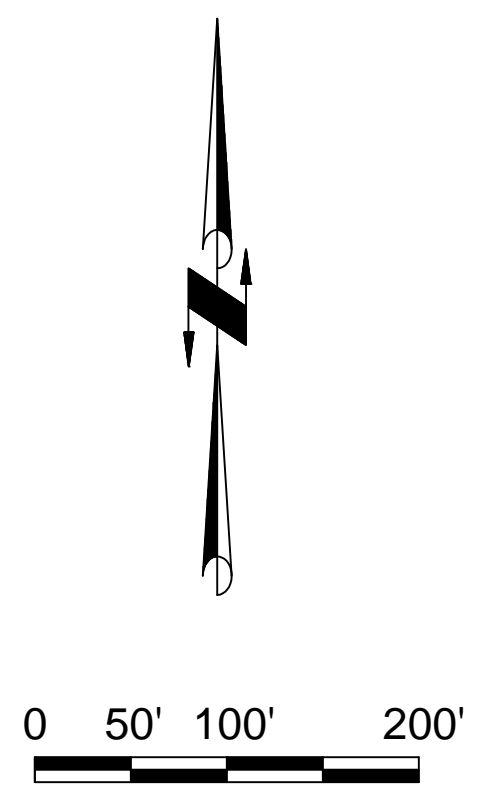
AUTHORIZED BY CITY ENGINEER

DATE: _____ (Signature)

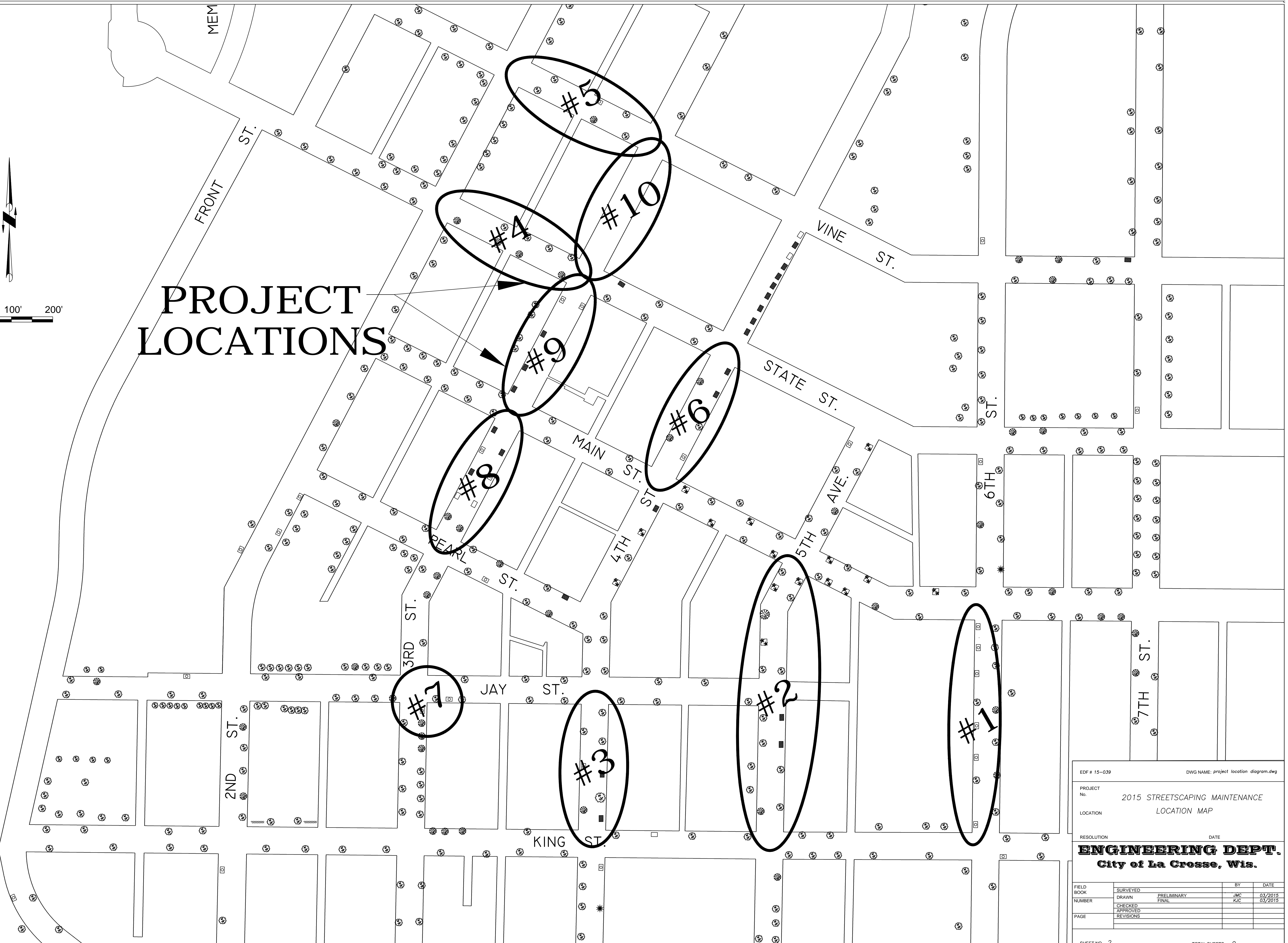
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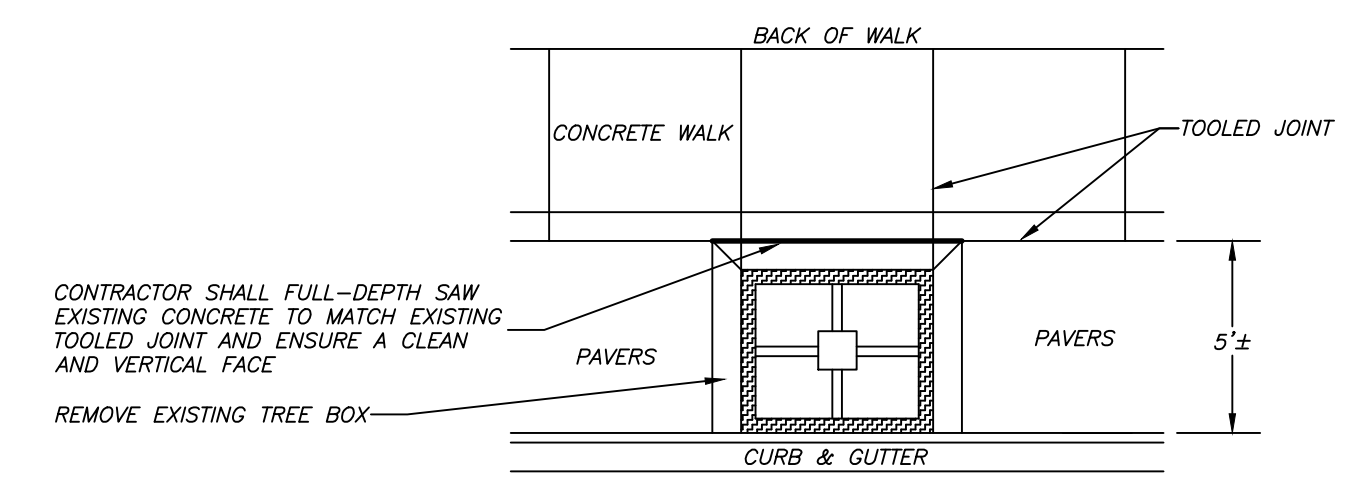
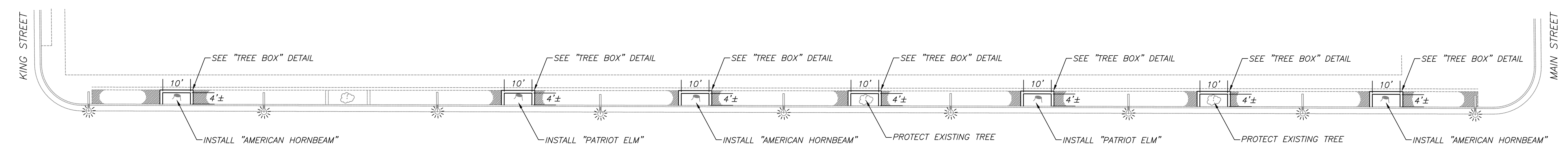
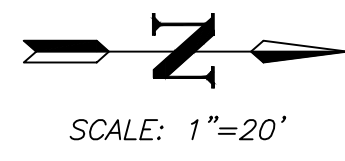




PROJECT LOCATIONS



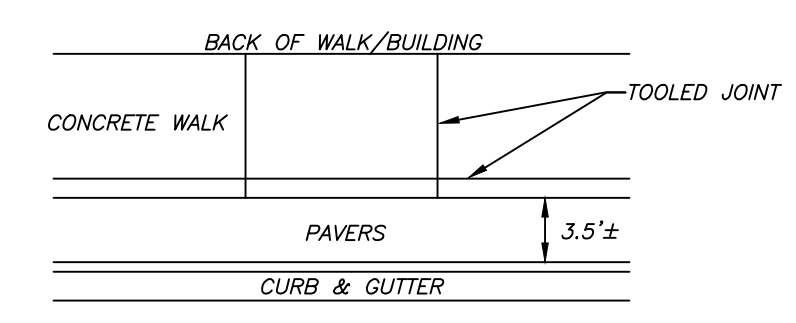
EDF # 15-039		DWG NAME: project location diagram.dwg	
PROJECT No.	2015 STREETS CAPING MAINTENANCE		
LOCATION	LOCATION MAP		
RESOLUTION	DATE		
ENGINEERING DEPT. City of La Crosse, Wis.			
FIELD BOOK NUMBER	SURVEYED	BY	DATE
	DRAWN	PRELIMINARY	JMC 03/2015
	CHECKED	FINAL	KJC 03/2015
	APPROVED		
	REVISIONS		
PAGE			
SHEET NO. 2	TOTAL SHEETS 9		



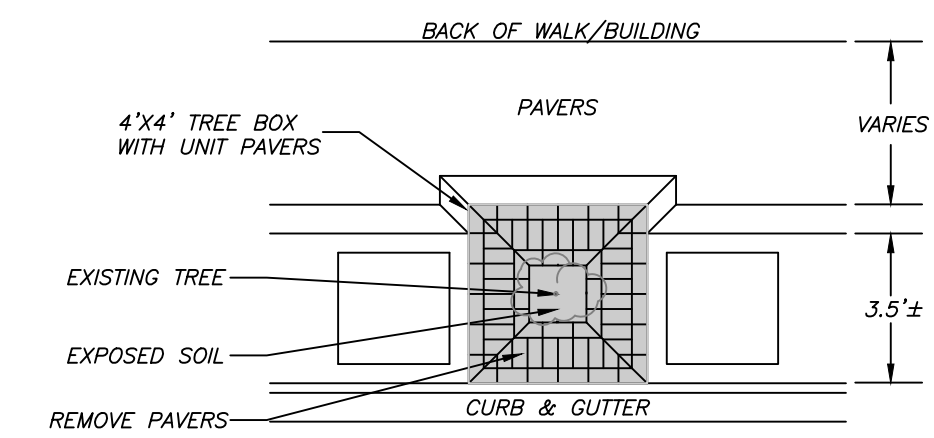
EXISTING TREE BOX

LOCATION #1 - 6TH STREET
KING ST - MAIN ST (WEST SIDE ONLY)

NOTES:
REMOVE GRATE & FRAME AND STUMP AT ALL LOCATIONS
AT ALL LOCATIONS, REMOVE PAVERS & CONCRETE AS NECESSARY TO INSTALL NEW CONCRETE. SALVAGE & REINSTALL PAVERS WHERE POSSIBLE
ENLARGE EXISTING TREE BOX TO DIMENSIONS SHOWN, SEE "TREE BOX" DETAIL

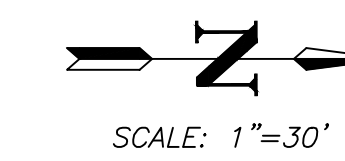


EXISTING BOULEVARD
KING ST - JAY ST

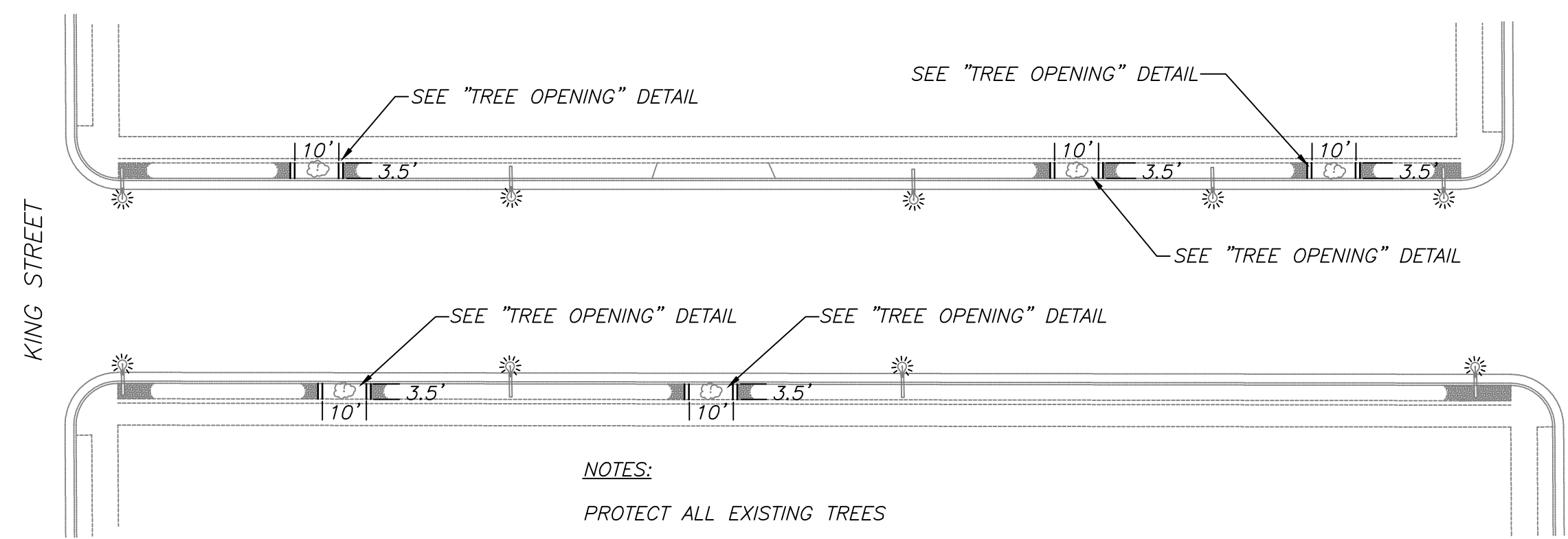


UNIT PAVER REMOVAL

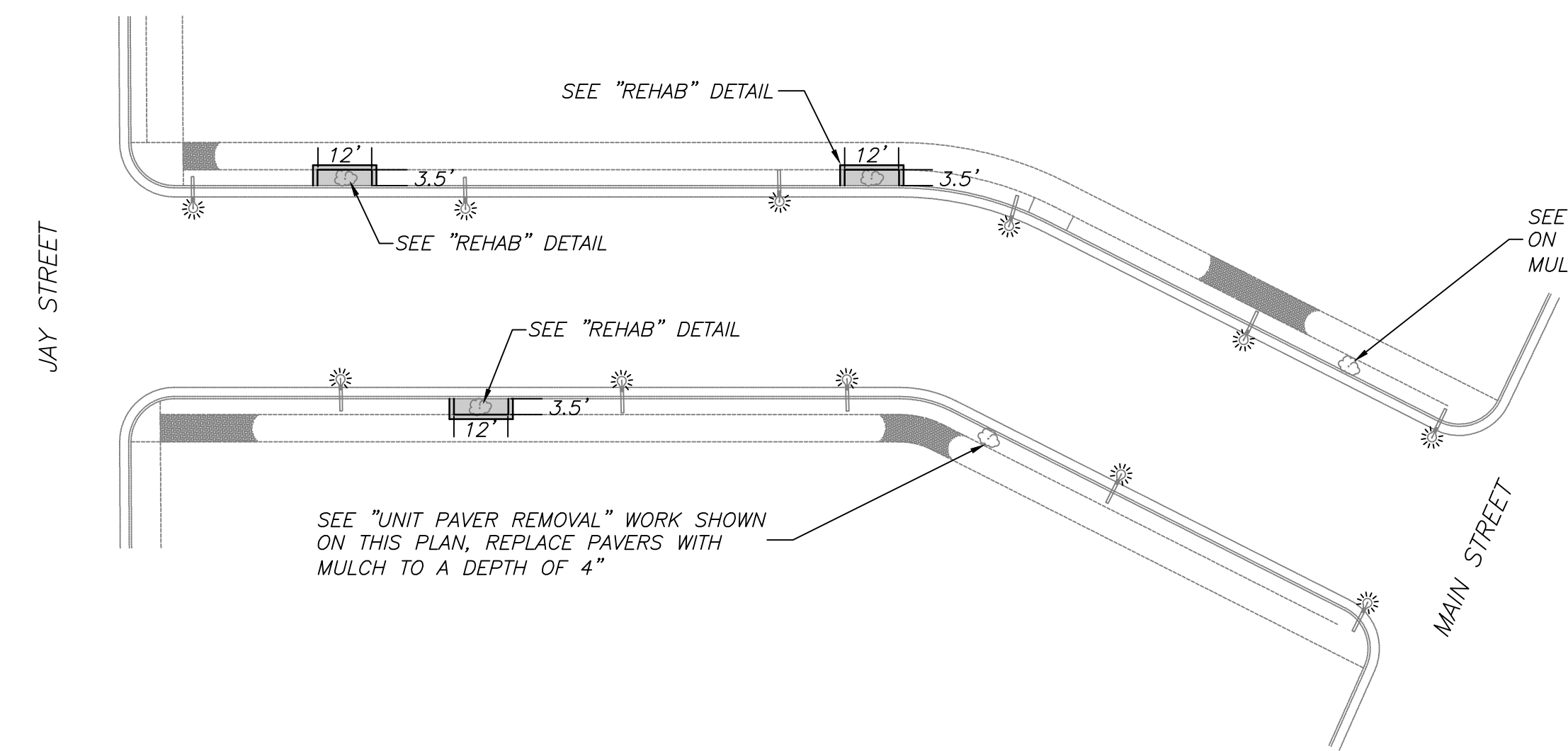
NOTE:
THIS PATTERN AND APPROX. DIMENSIONS ARE FOR BOTH SIDES OF 5TH AVE FROM JAY ST TO MAIN ST FOR EXISTING RIGHT OF WAY CONDITIONS



NOTES:
PROTECT EXISTING TREES
AT ALL LOCATIONS, REMOVE & SALVAGE PAVERS REINSTALL SALVAGED PAVERS WHERE POSSIBLE TO MATCH PAVER WITH EXISTING STREETSCAPING PATTERN ALONG NEWLY INSTALLED TREE BOXES
CONTRACTOR SHALL PROTECT ALL EXISTING CONCRETE CURB & GUTTER AS WELL AS CONCRETE FLAT WORK BY ANY MEANS NECESSARY TO LIMIT FURTHER CRACKING OR FAILURE, CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL COST OF REPLACING ANY CONCRETE DUE TO LACK OF CARE & PROTECTION

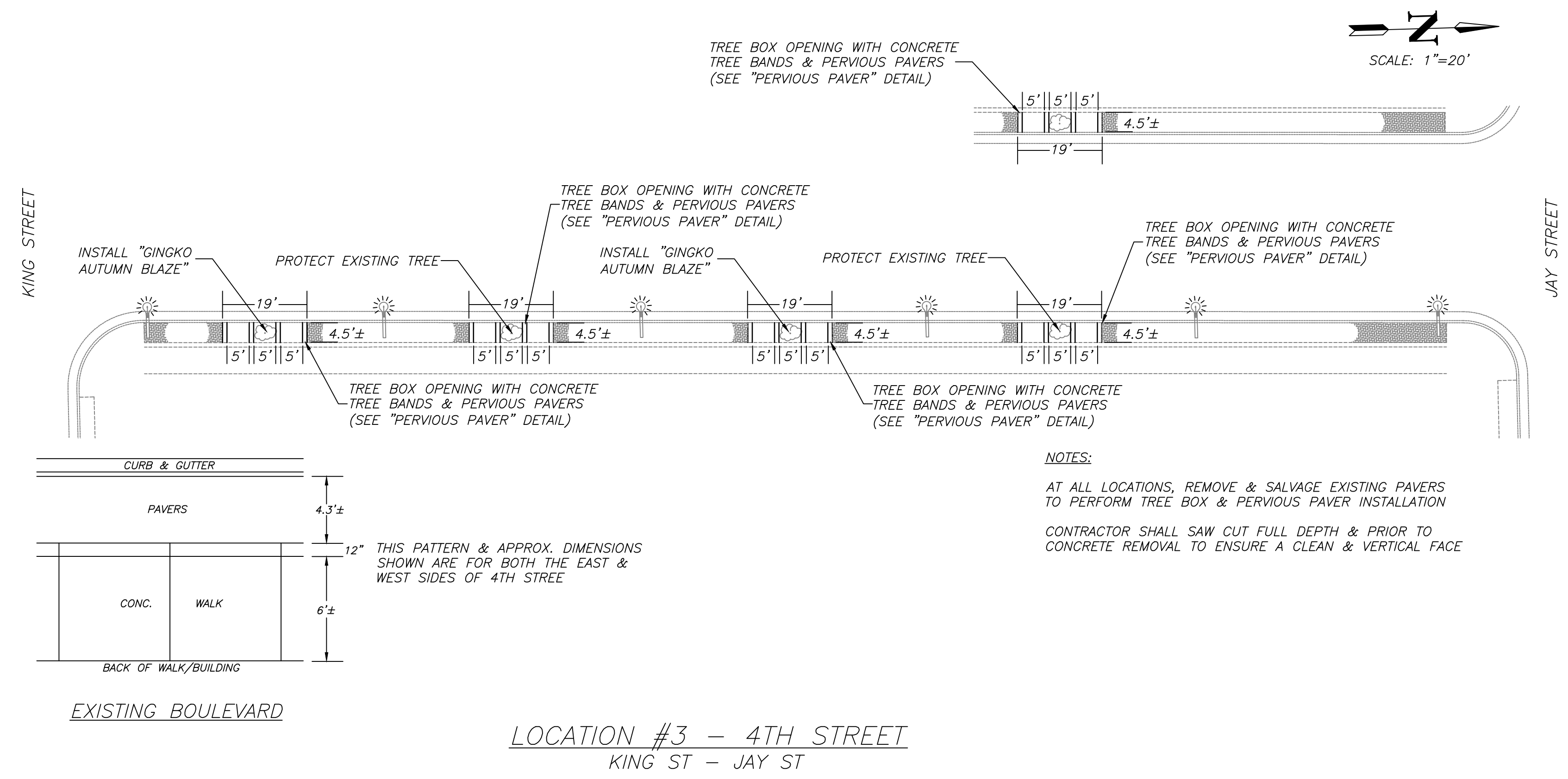


NOTES:
PROTECT ALL EXISTING TREES
THIS PATTERN AND APPROX. DIMENSIONS ARE FOR BOTH SIDES OF 5TH AVE FROM KING ST TO JAY ST
ELONGATE TREE BOX OPENING TO DIMENSIONS SHOWN (SEE "TREE OPENING" DETAIL)

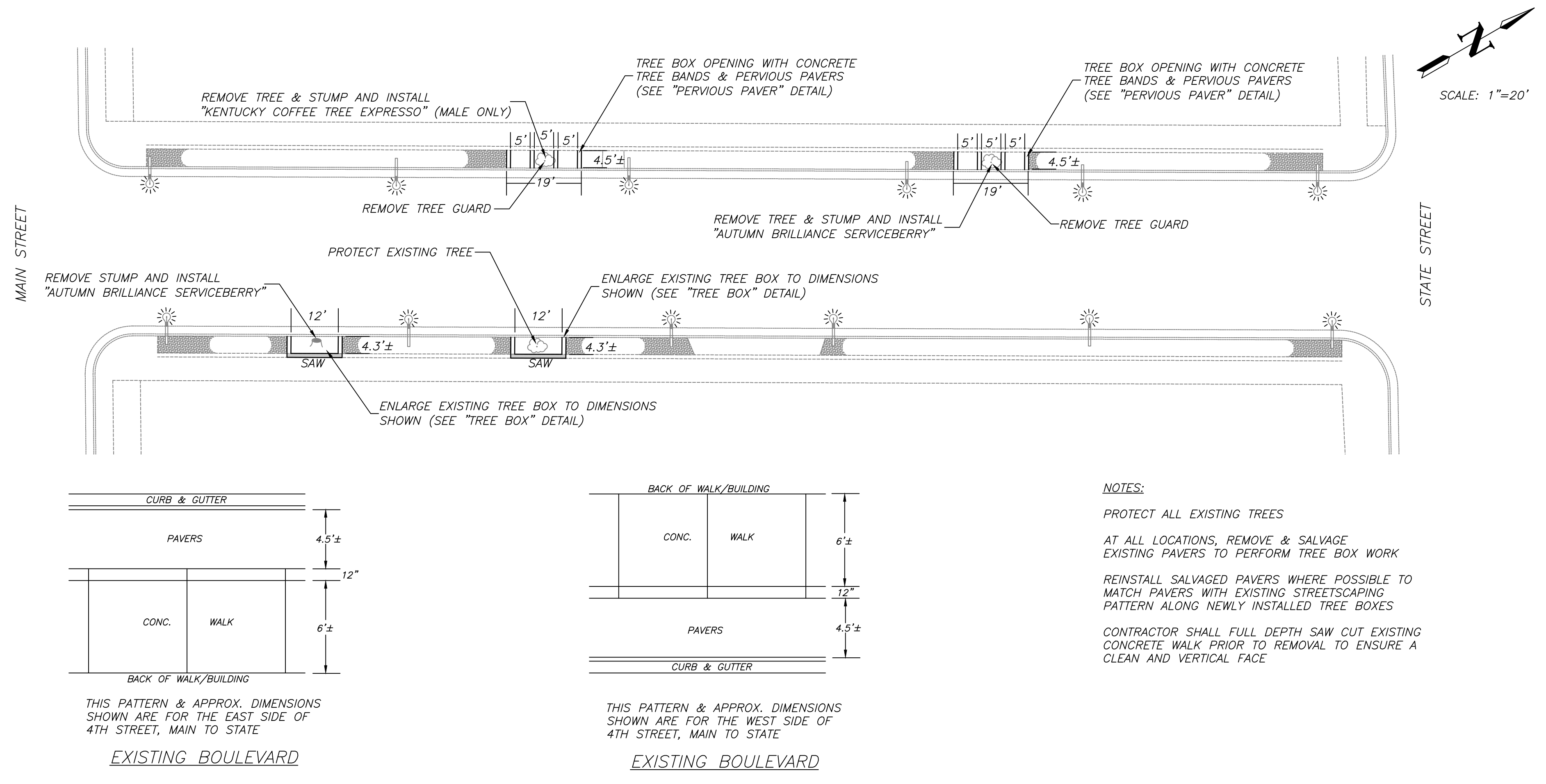
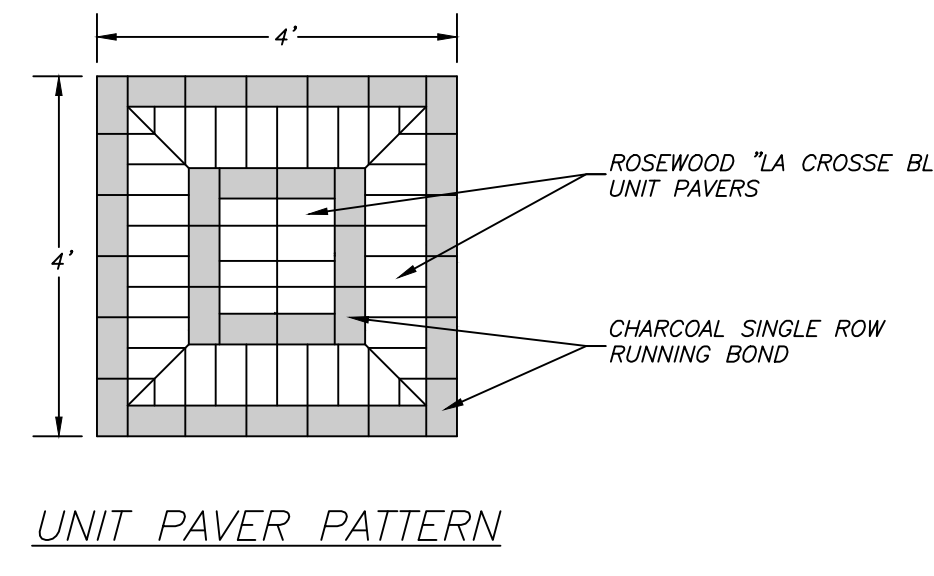
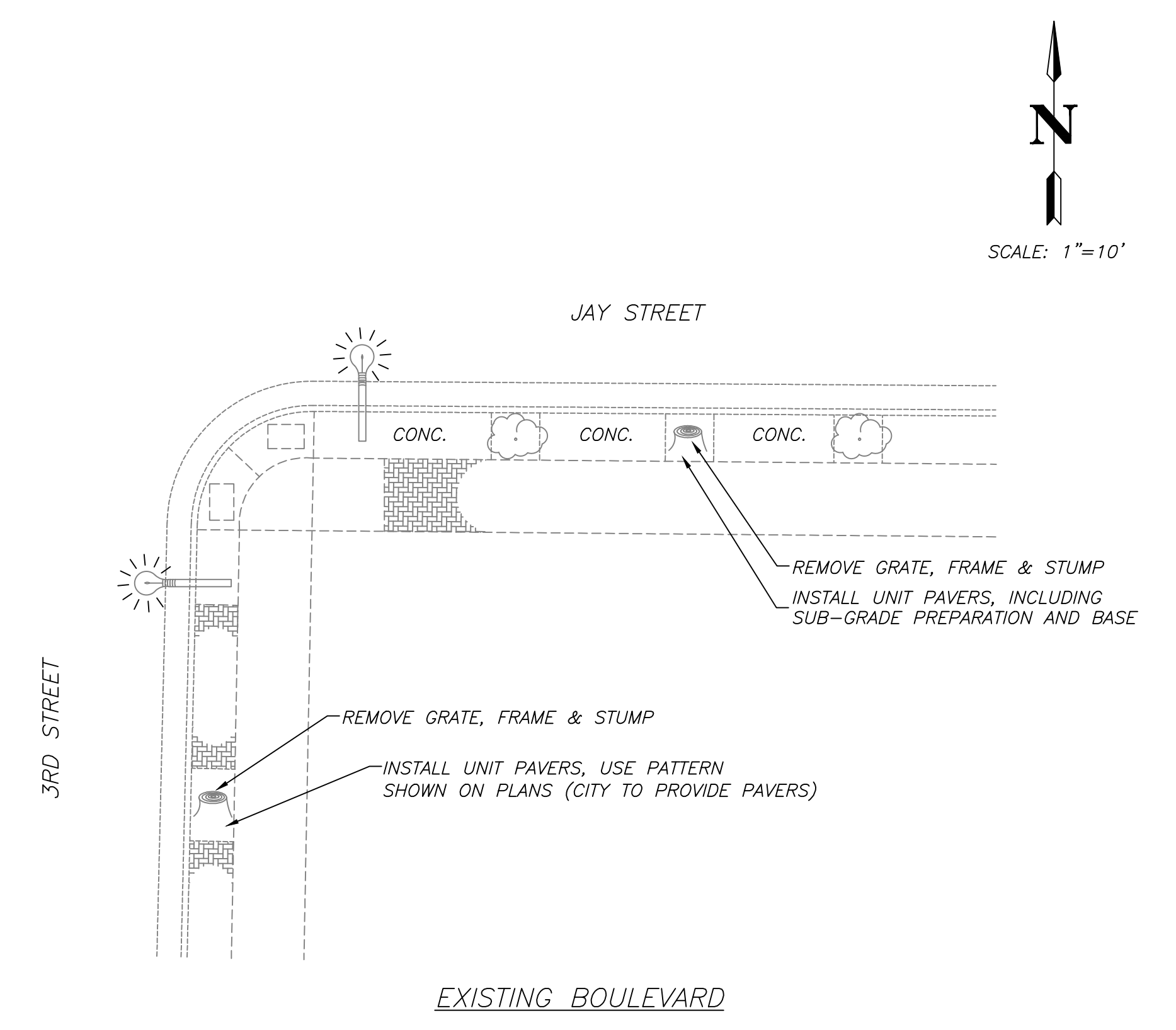


LOCATION #2 - 5TH AVENUE
KING ST - MAIN ST

EDF # 15-039		DWG NAME: Streetscape Maintenance.dwg	
PROJECT No.	2015 STREETSCAPING MAINTENANCE		
LOCATION	LOCATION #1 & #2 6TH STREET & 5TH AVENUE		
RESOLUTION	DATE		
ENGINEERING DEPT. City of La Crosse, Wis.			
FIELD BOOK	SURVEYED	BY	DATE
NUMBER	DRAWN	PRELIMINARY	
	CHECKED	FINAL	
	APPROVED		
	REVISIONS		
SHEET NO. 3		TOTAL SHEETS 9	

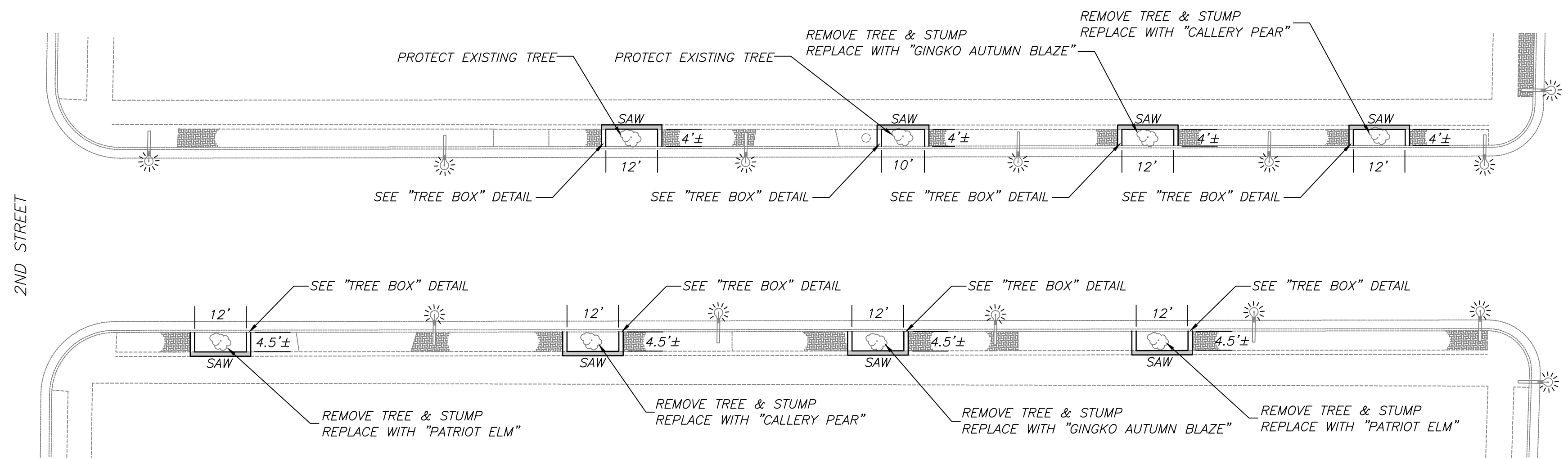
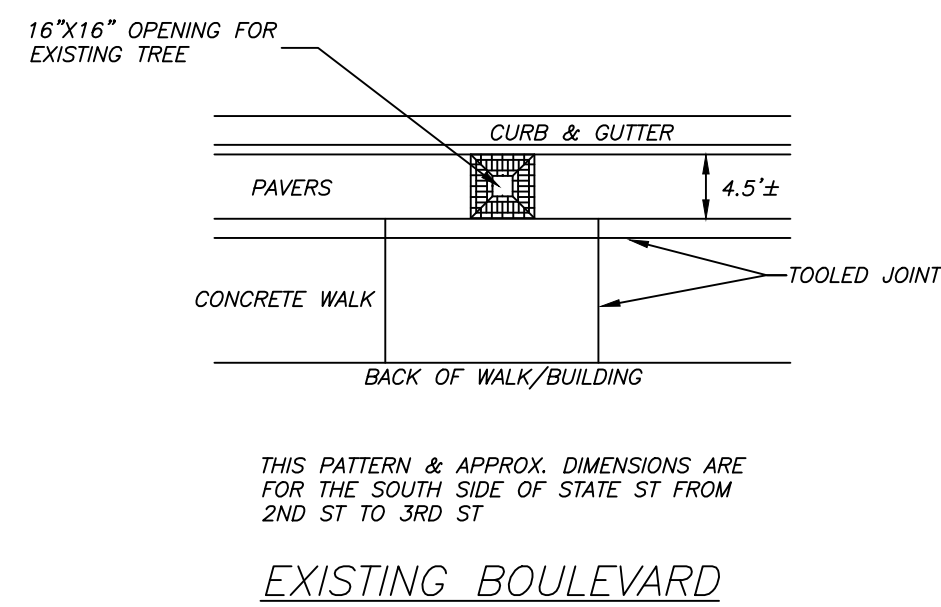
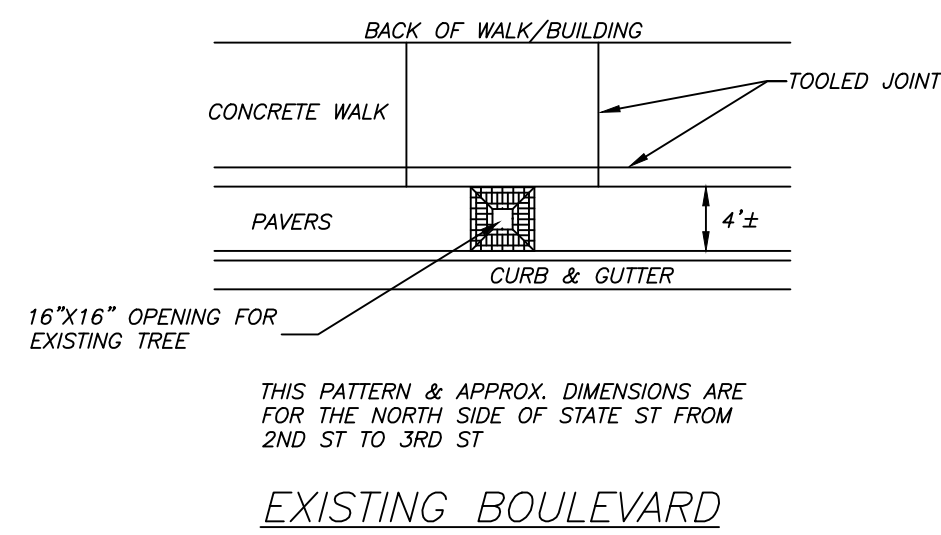


NOTES:
AT ALL LOCATIONS, REMOVE & SALVAGE EXISTING PAVERS TO PERFORM TREE BOX & PERVIOUS PAVES INSTALLATION
CONTRACTOR SHALL SAW CUT FULL DEPTH & PRIOR TO CONCRETE REMOVAL TO ENSURE A CLEAN & VERTICAL FACE

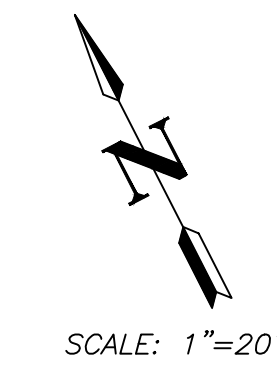


NOTES:
PROTECT ALL EXISTING TREES
AT ALL LOCATIONS, REMOVE & SALVAGE EXISTING PAVERS TO PERFORM TREE BOX WORK
REINSTALL SALVAGED PAVERS WHERE POSSIBLE TO MATCH PAVERS WITH EXISTING STREETSCAPING PATTERN ALONG NEWLY INSTALLED TREE BOXES
CONTRACTOR SHALL FULL DEPTH SAW CUT EXISTING CONCRETE WALK PRIOR TO REMOVAL TO ENSURE A CLEAN AND VERTICAL FACE

EDF # 15-039		DWG NAME: Streetscape Maintenance.dwg	
PROJECT No.	2015 STREETSCAPING MAINTENANCE		
LOCATION	LOCATION #3, #6 & #7 4TH STREET & JAY STREET		
RESOLUTION	DATE		
ENGINEERING DEPT. City of La Crosse, Wis.			
FIELD BOOK	SURVEYED	BY	DATE
NUMBER	DRAWN PRELIMINARY	MWN	01/2015
	CHECKED FINAL	KJC	02/2015
	APPROVED	MWN	03/2015
	REVISIONS	BNL	04/2015
SHEET NO. 4		TOTAL SHEETS 9	



LOCATION #4 - STATE STREET
2ND ST - 3RD ST



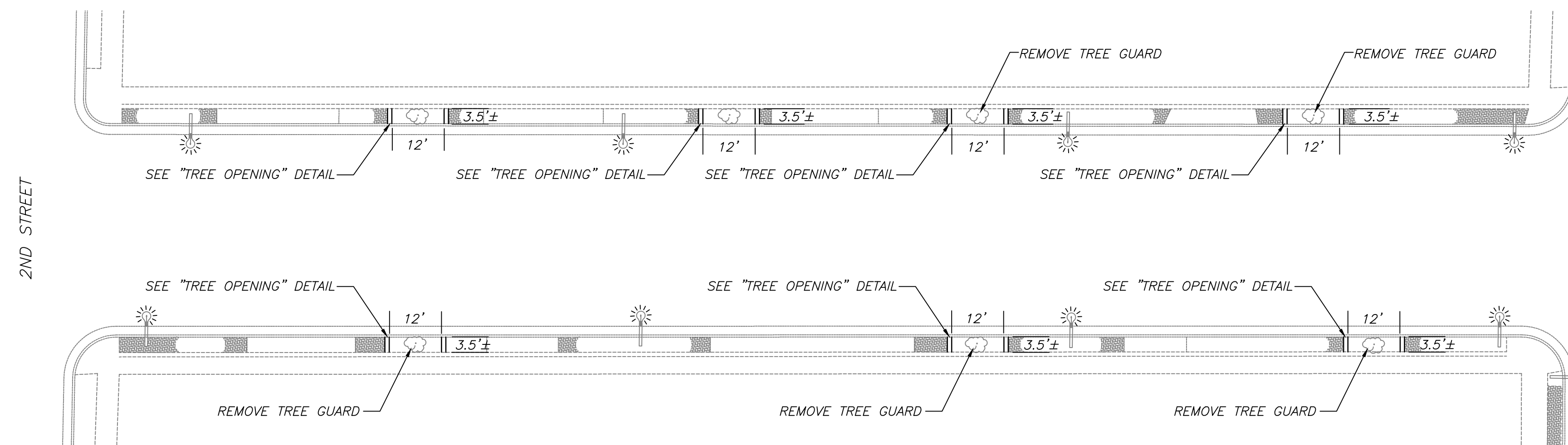
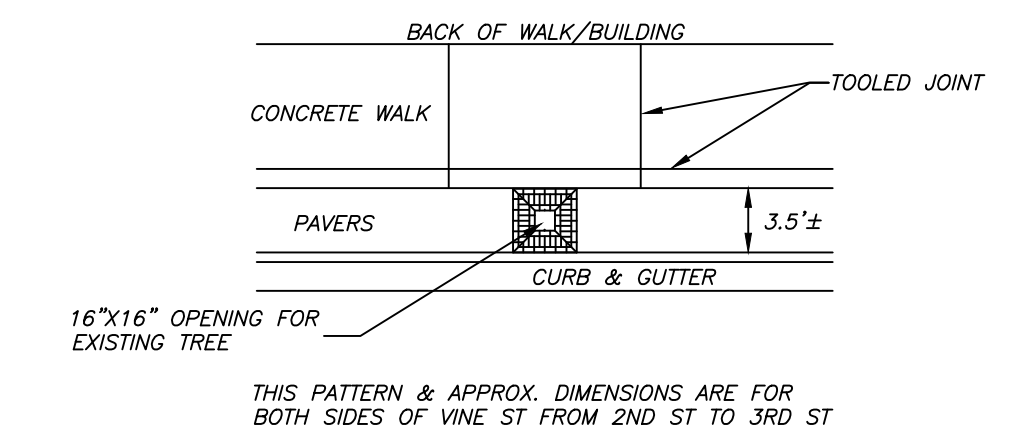
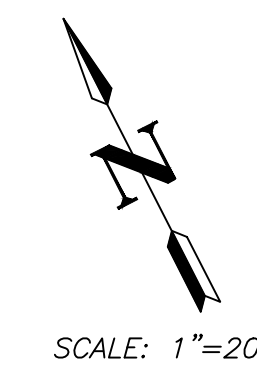
NOTES:

AT ALL LOCATIONS, REMOVE & SALVAGE EXISTING PAVERS TO PERFORM TREE BOX WORK

CONTRACTOR SHALL FULL DEPTH SAW EXISTING CONCRETE PRIOR TO REMOVAL TO ENSURE A CLEAN AND VERTICAL FACE

ENLARGE EXISTING TREE OPENING TO DIMENSIONS SHOWN WITH 1" CONCRETE HEAD, TO SPECIFIED DEPTH INCLUDING MULCH, SEE "TREE BOX" DETAIL

REINSTALL SALVAGED PAVERS WHERE POSSIBLE TO MATCH PAVERS WITH EXISTING STREETSCAPING PATTERN ALONG NEWLY INSTALLED TREE BOXES



LOCATION #5 - VINE STREET
2ND ST - 3RD ST

NOTES:

PROTECT ALL EXISTING TREES

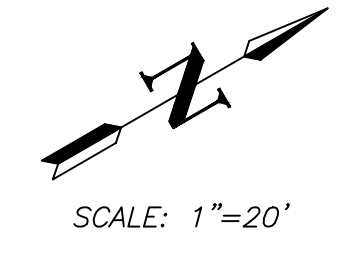
AT ALL LOCATIONS, REMOVE & SALVAGE EXISTING PAVERS TO PERFORM TREE BOX WORK

CONTRACTOR SHALL FULL DEPTH SAW EXISTING CONCRETE PRIOR TO REMOVAL TO ENSURE A CLEAN AND VERTICAL FACE

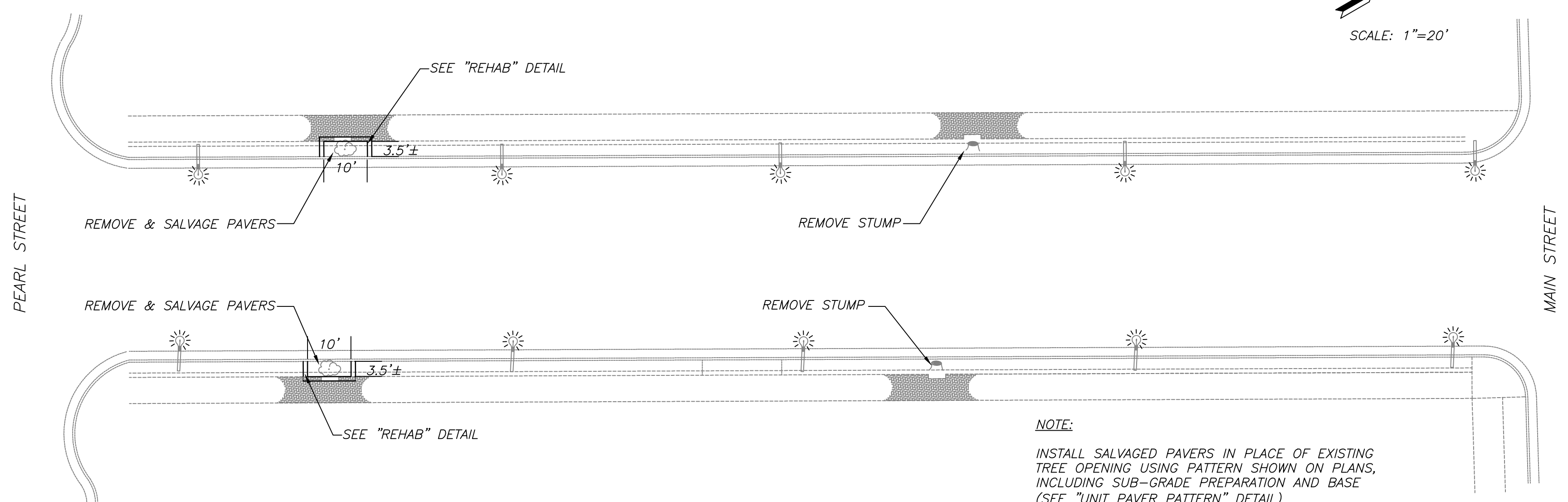
ENLARGE EXISTING TREE OPENING TO DIMENSIONS SHOWN WITH 1" CONCRETE HEAD, TO SPECIFIED DEPTH INCLUDING MULCH, SEE "TREE BOX" DETAIL

REINSTALL SALVAGED PAVERS WHERE POSSIBLE TO MATCH PAVERS WITH EXISTING STREETSCAPING PATTERN ALONG NEWLY INSTALLED TREE BOXES

EDF # 15-039		DWG NAME: Streetscope Maintenance.dwg	
PROJECT No.	2015 STREETSCAPING MAINTENANCE		
LOCATION	LOCATION #4 & #5 STATE STREET & VINE STREET		
RESOLUTION	DATE		
ENGINEERING DEPT. City of La Crosse, Wis.			
FIELD BOOK	SURVEYED	BY	DATE
NUMBER	PRELIMINARY	MIN	01/2015
	FINAL	KJC	02/2015
	CHECKED	MIN	03/2015
	APPROVED	BNL	04/2015
PAGE	REVISIONS		
SHEET NO. 5	TOTAL SHEETS 9		



SCALE: 1"=20'

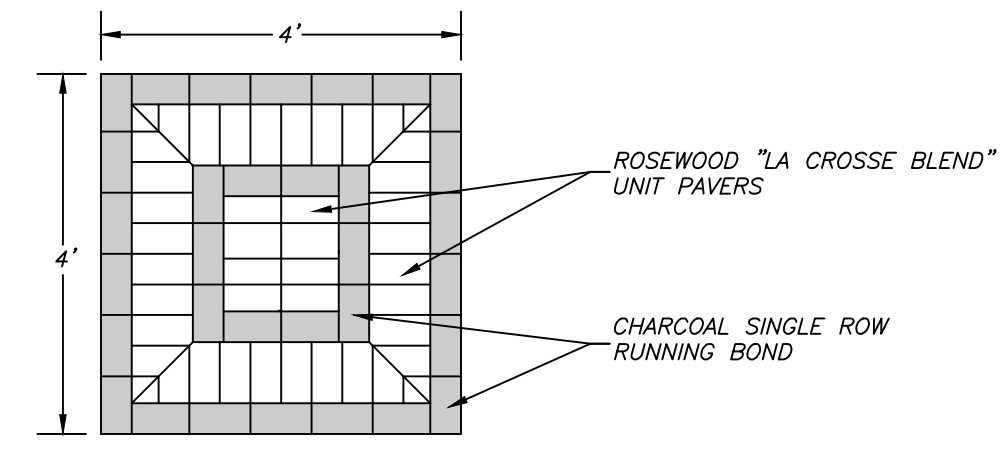


NOTES:
 PROTECT ALL EXISTING TREES
 AT LOCATIONS SPECIFIED, REMOVE AND SALVAGE EXISTING PAVERS TO PERFORM TREE BOX WORK
 CONTRACTOR SHALL FULL DEPTH SAW EXISTING CONCRETE PRIOR TO REMOVAL TO ENSURE A CLEAN VERTICAL SURFACE
 REINSTALL SALVAGED PAVERS WHERE POSSIBLE TO MATCH PAVERS WITH EXISTING STREETSCAPING PATTERN OR PATTERN SPECIFIED ON PLANS

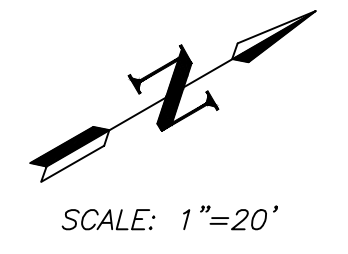
NOTE:
 INSTALL SALVAGED PAVERS IN PLACE OF EXISTING TREE OPENING USING PATTERN SHOWN ON PLANS, INCLUDING SUB-GRADE PREPARATION AND BASE (SEE "UNIT PAVER PATTERN" DETAIL)

LOCATION #8 - 3RD STREET
 PEARL ST - MAIN ST

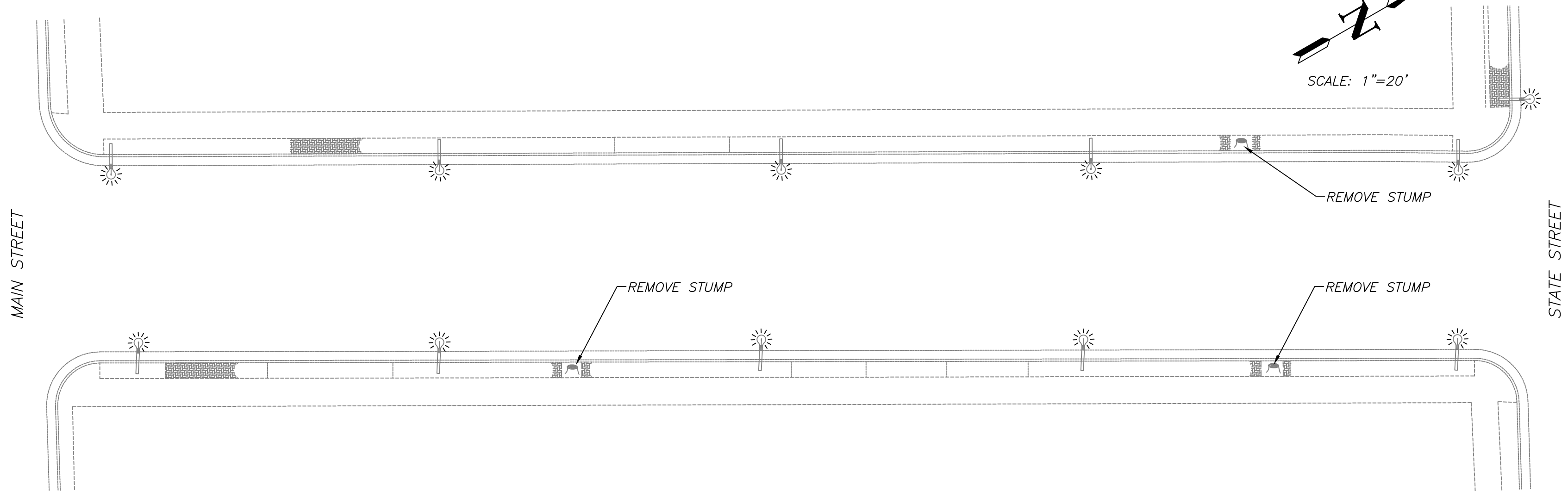
NOTE:
 PROTECT ALL EXISTING TREES
 REMOVE AND SALVAGE PAVERS WHERE NECESSARY TO COMPLETE PROPOSED WORK



UNIT PAVER PATTERN

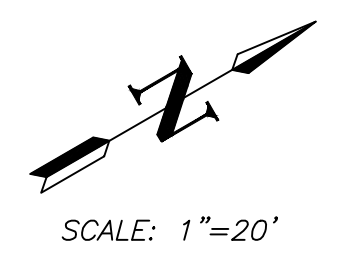


SCALE: 1"=20'

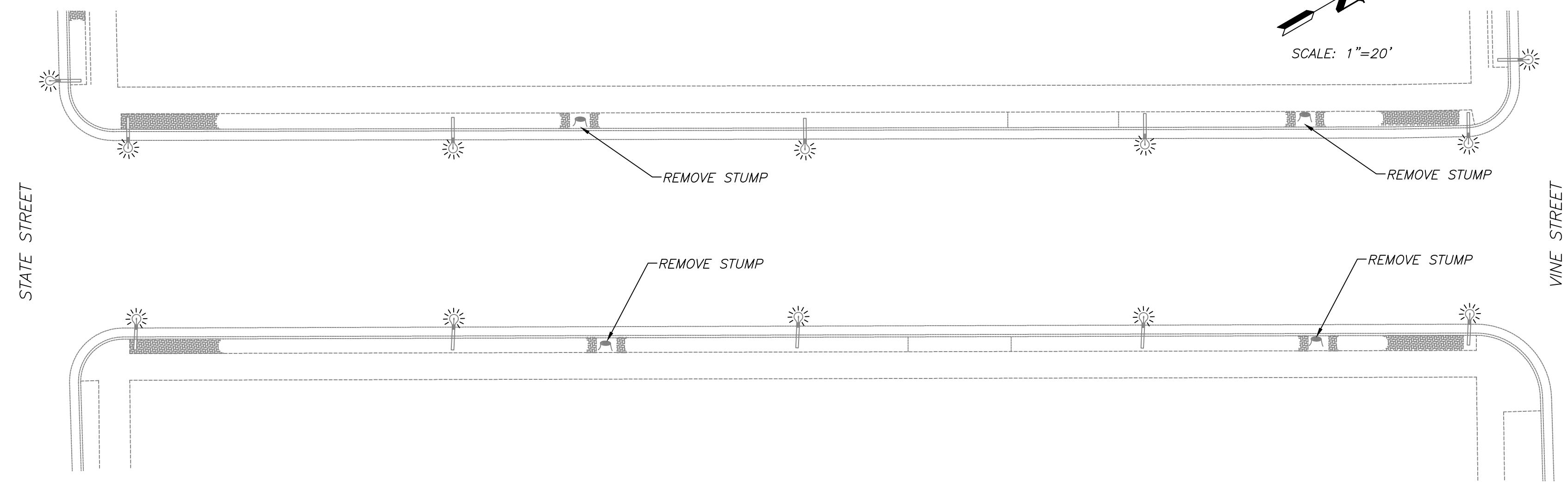


NOTE:
 REMOVE & SALVAGE PAVERS WHERE NECESSARY TO COMPLETE PROPOSED WORK
 INSTALL SALVAGED PAVERS IN PLACE OF EXISTING TREE OPENING, MATCH EXISTING STREETSCAPING PATTERN, INCLUDE SUB-GRADE PREPARATION AND BASE (SEE "UNIT PAVER PATTERN" DETAIL)

LOCATION #9 - 3RD STREET
 MAIN ST - STATE ST



SCALE: 1"=20'

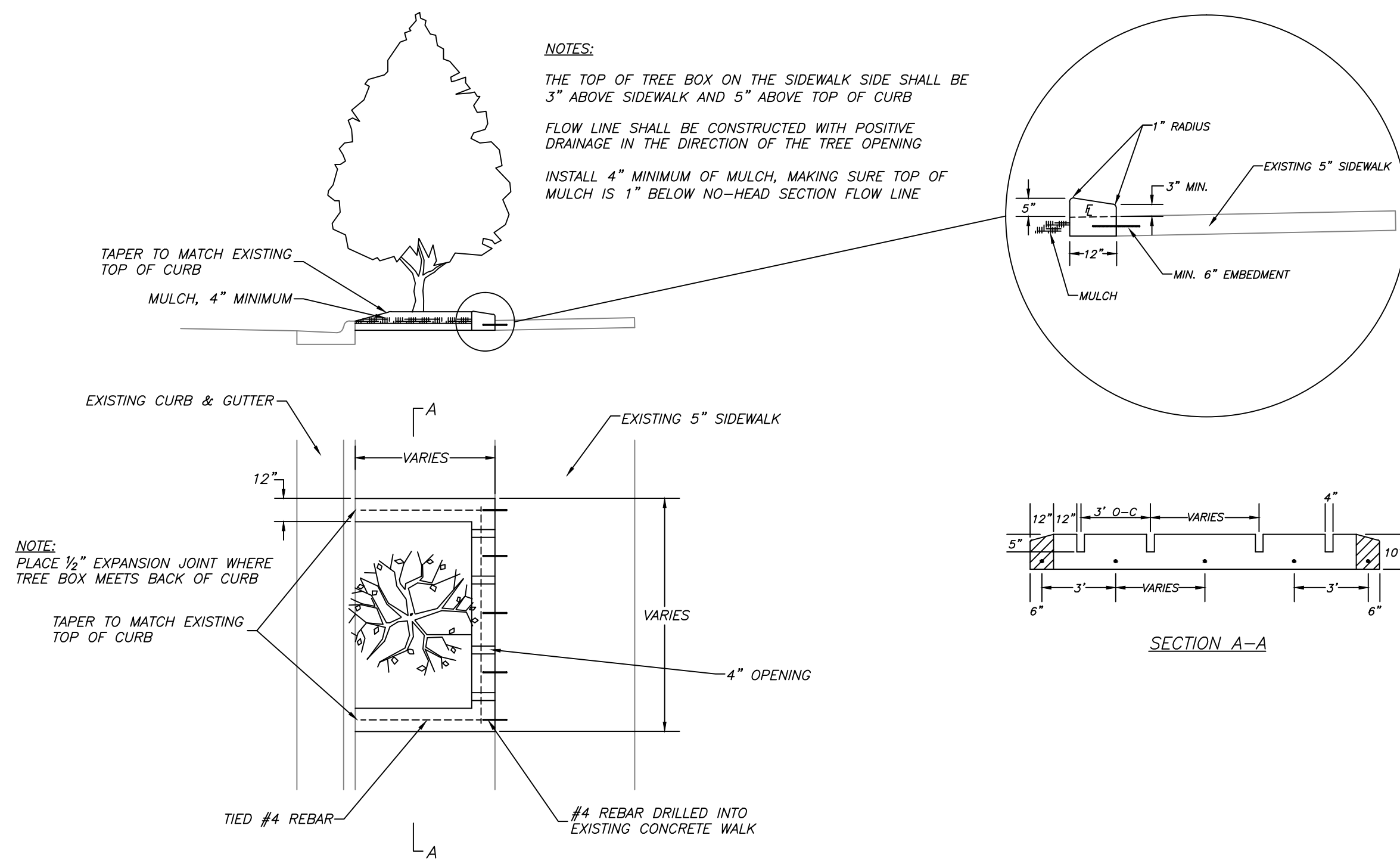


NOTE:
 REINSTALL SALVAGED PAVERS TO MATCH EXISTING STREETSCAPING PATTERN
 INSTALL SALVAGED PAVERS IN PLACE OF EXISTING TREE OPENING MATCHING INTO EXISTING STREETSCAPING PATTERN, INCLD. SUB-GRADE PREPARATION AND BASE (SEE "UNIT PAVER PATTERN")
 REMOVE AND SALVAGE PAVERS WHERE NECESSARY TO COMPLETE PROPOSED WORK

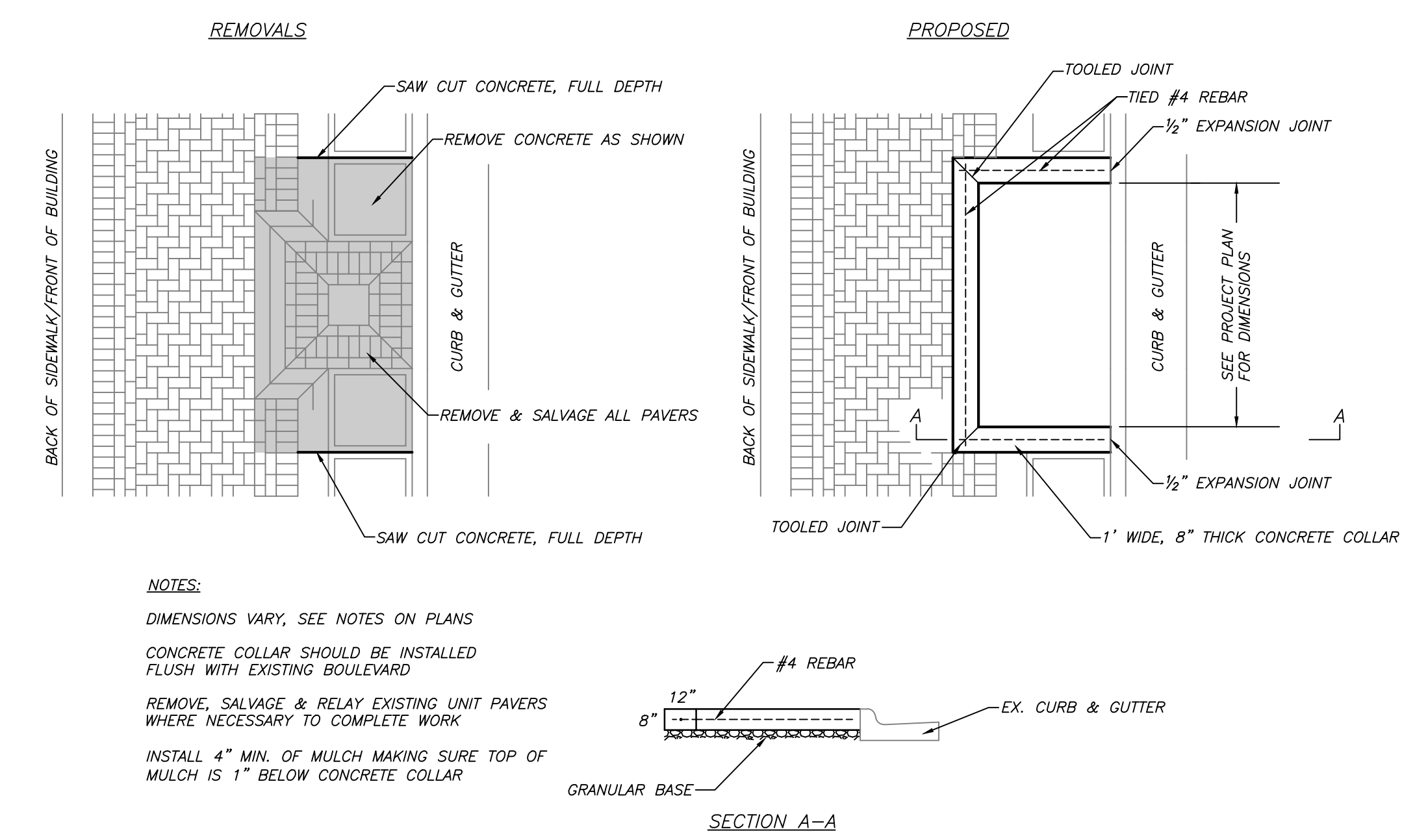
LOCATION #10 - 3RD STREET
 STATE ST - VINE ST

EDF # 15-039		DWG NAME: Streetscape Maintenance.dwg	
PROJECT No.	2015 STREETSCAPING MAINTENANCE		
LOCATION	LOCATION #8, #9 & #10 3RD STREET PEARL ST - VINE ST		
RESOLUTION	DATE		
ENGINEERING DEPT. City of La Crosse, Wis.			
FIELD	SURVEYED	BY	DATE
BOOK	FINAL	MWN	01/2015
NUMBER	DRAWN	KJC	02/2015
	CHECKED	KJC	03/2015
PAGE	APPROVED	MWN	03/2015
	REVISIONS	BNL	04/2015
SHEET NO. 6		TOTAL SHEETS 9	

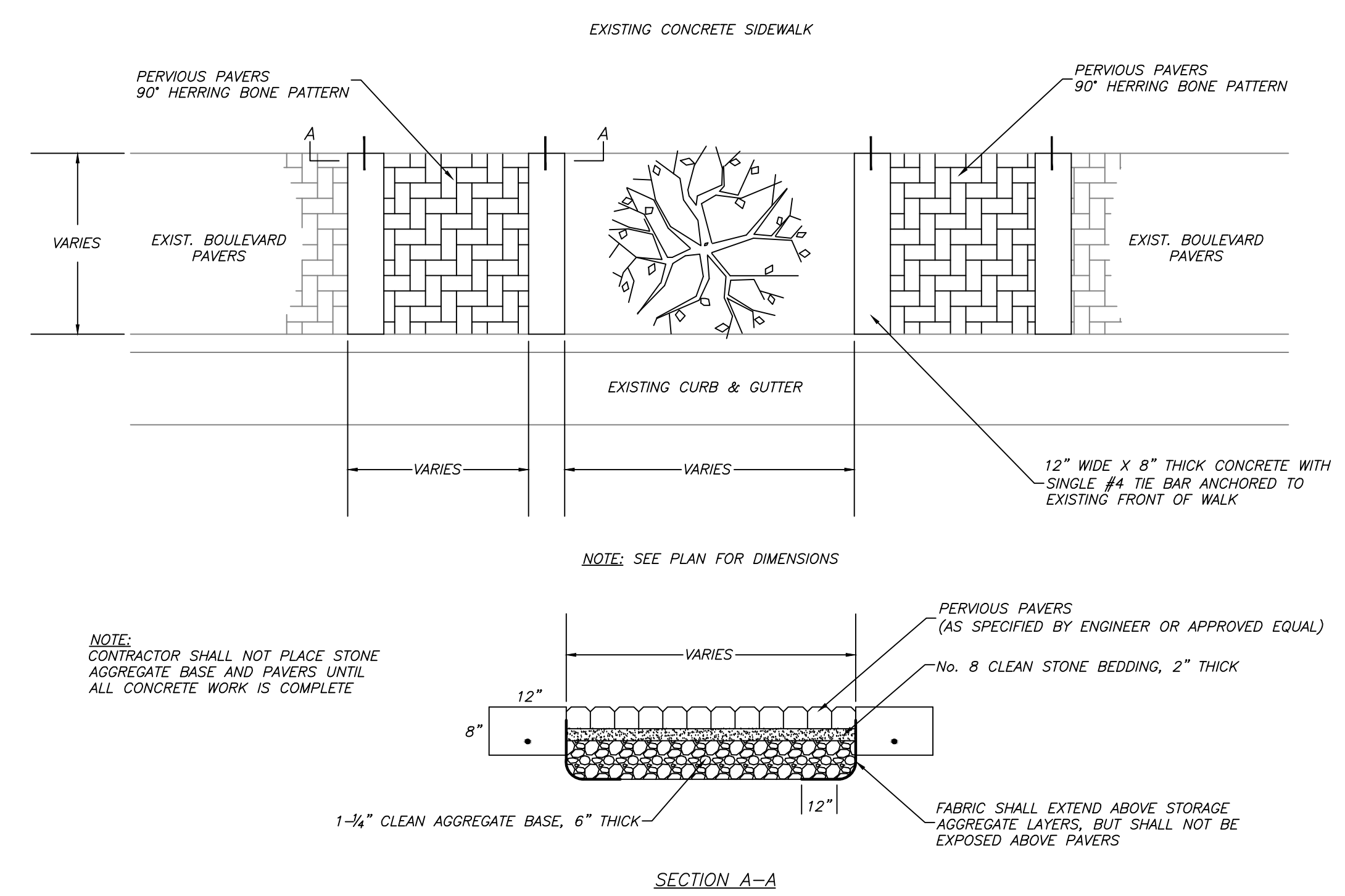
TREE BOX
NOT TO SCALE



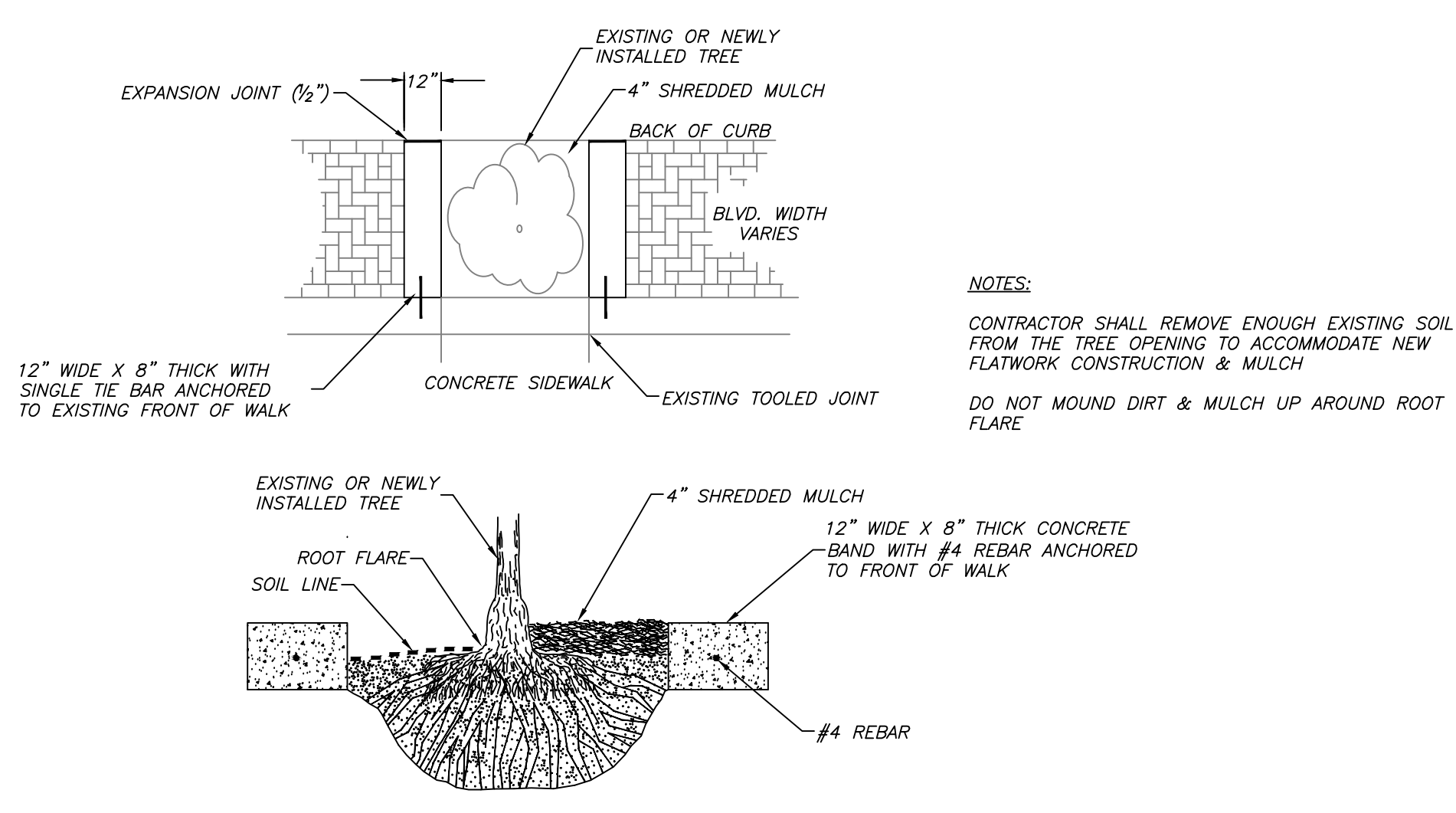
REHAB DETAIL
NOT TO SCALE



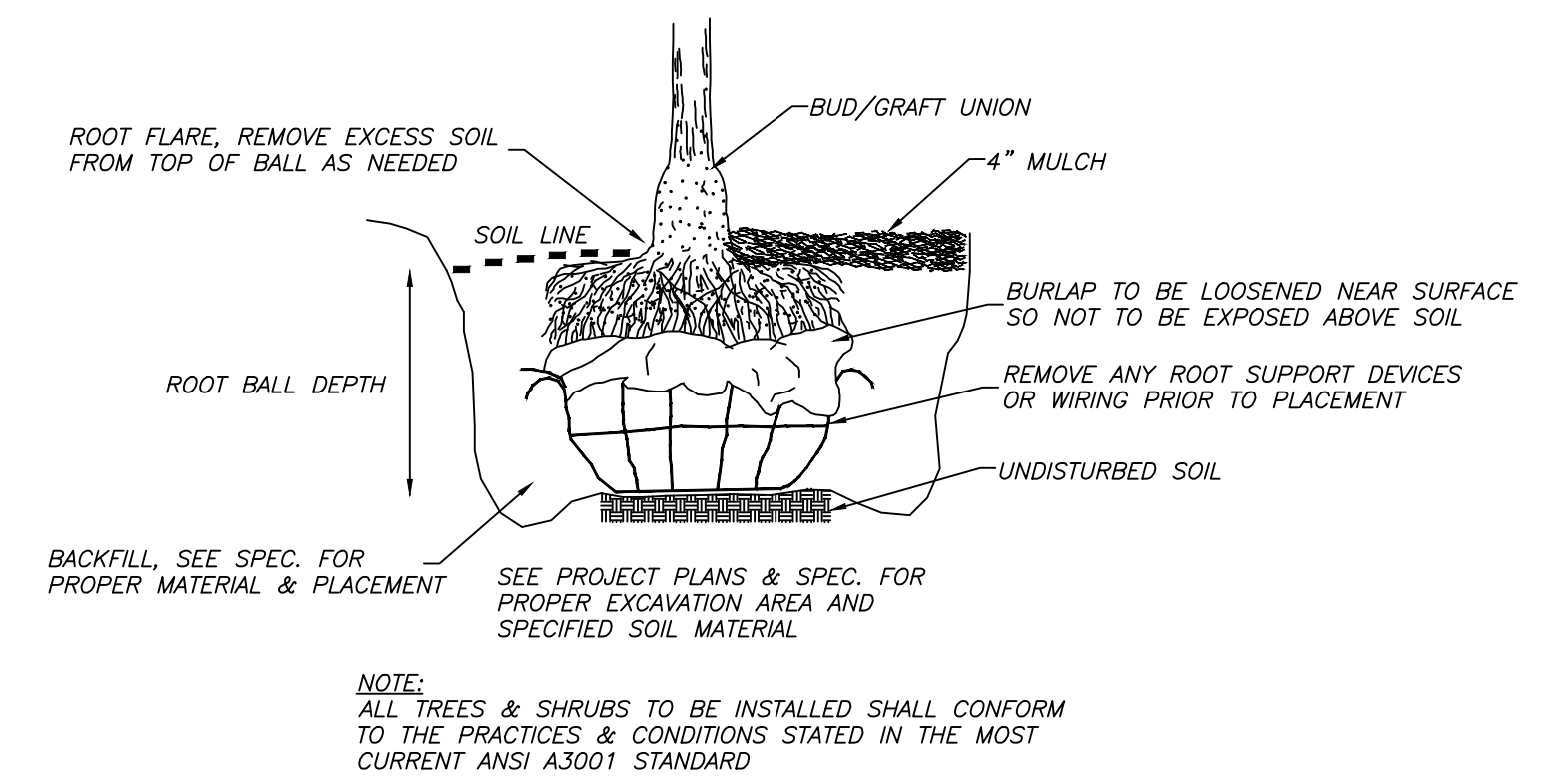
PERVIOUS PAVER DETAIL
NOT TO SCALE



TREE OPENING DETAIL
NOT TO SCALE



TREE PLANTING DETAIL
NOT TO SCALE



EDF # 15-039 DWG NAME: Streetscape Maintenance.dwg

PROJECT No. SPECIAL DETAILS

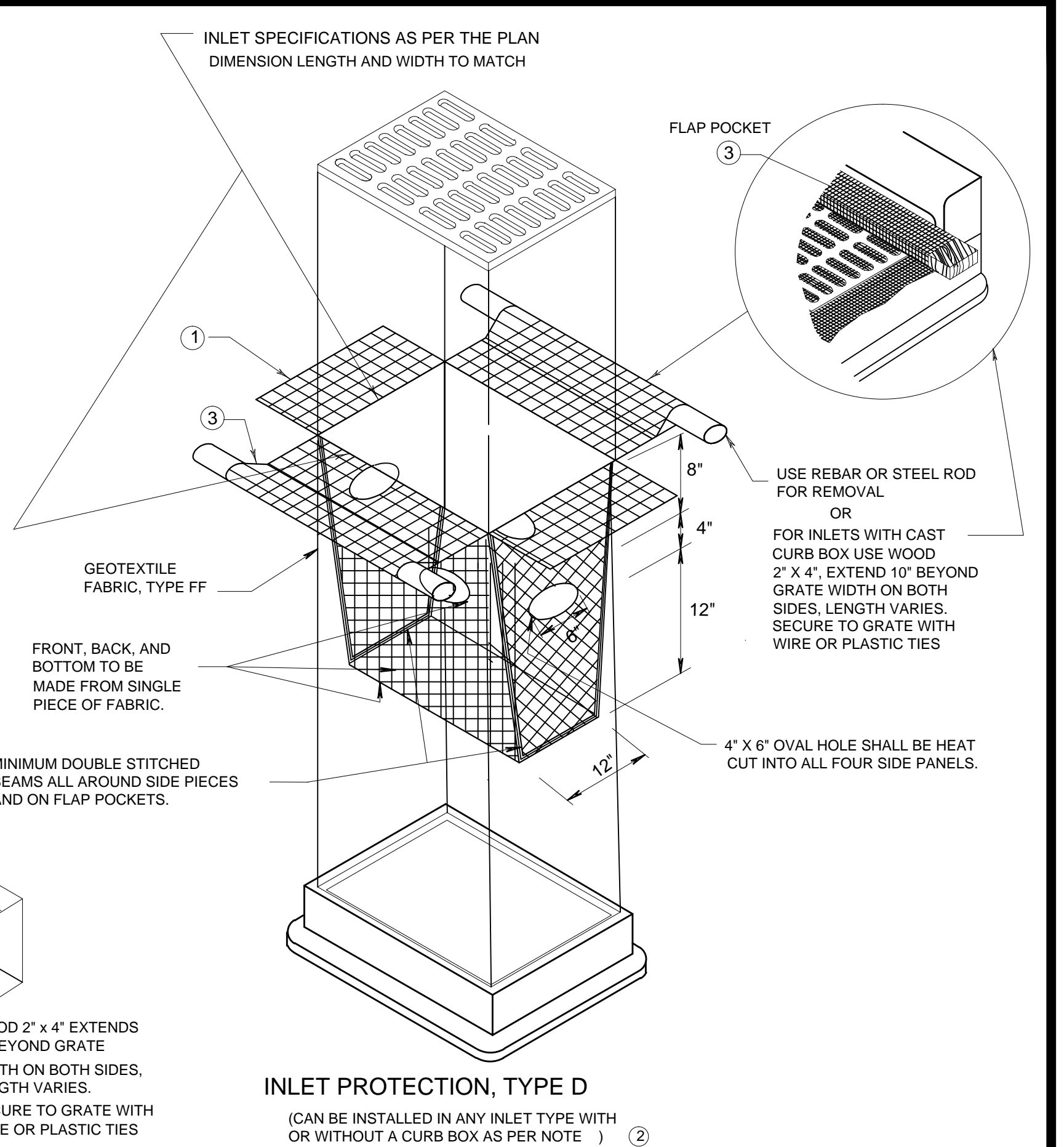
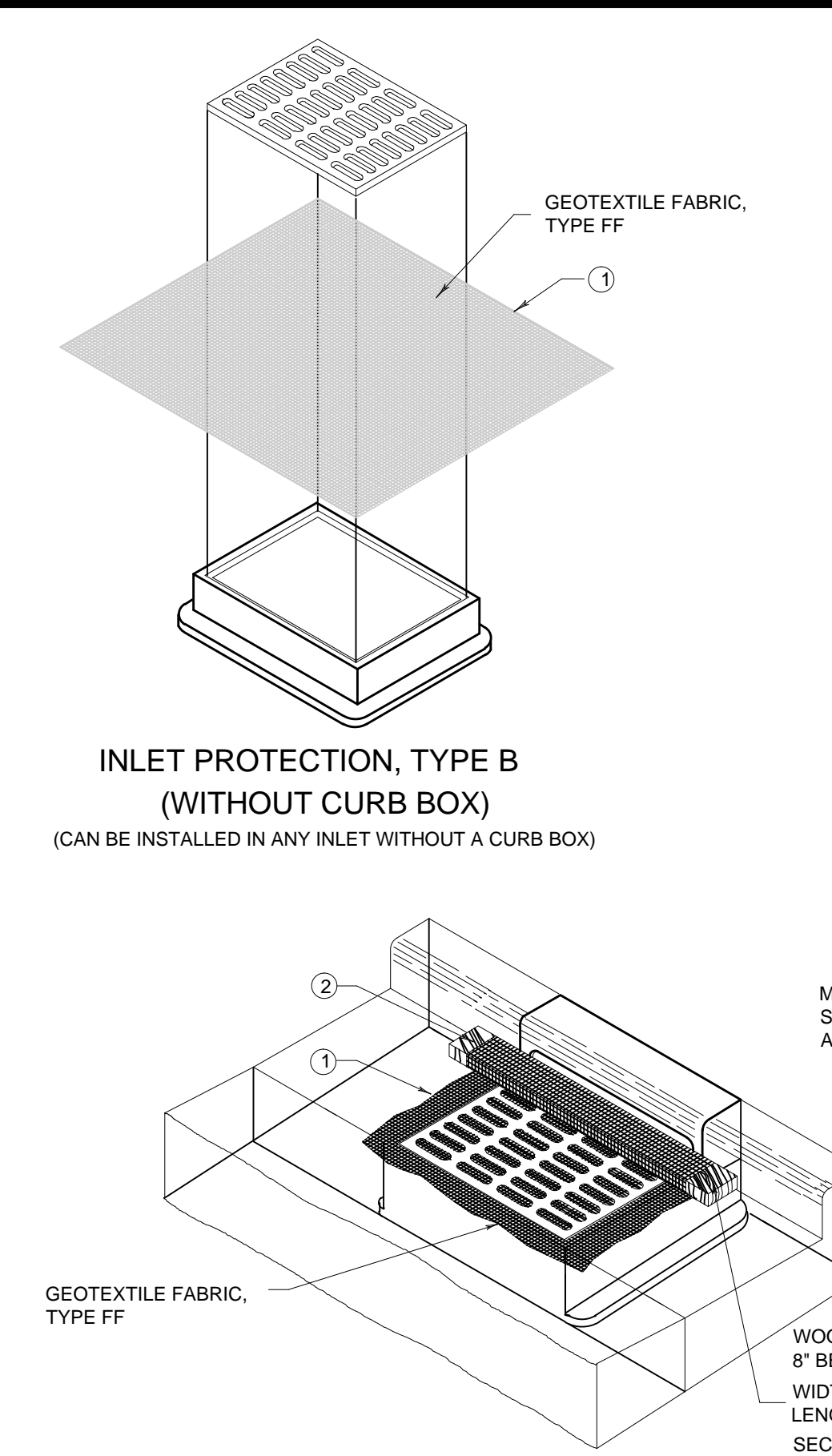
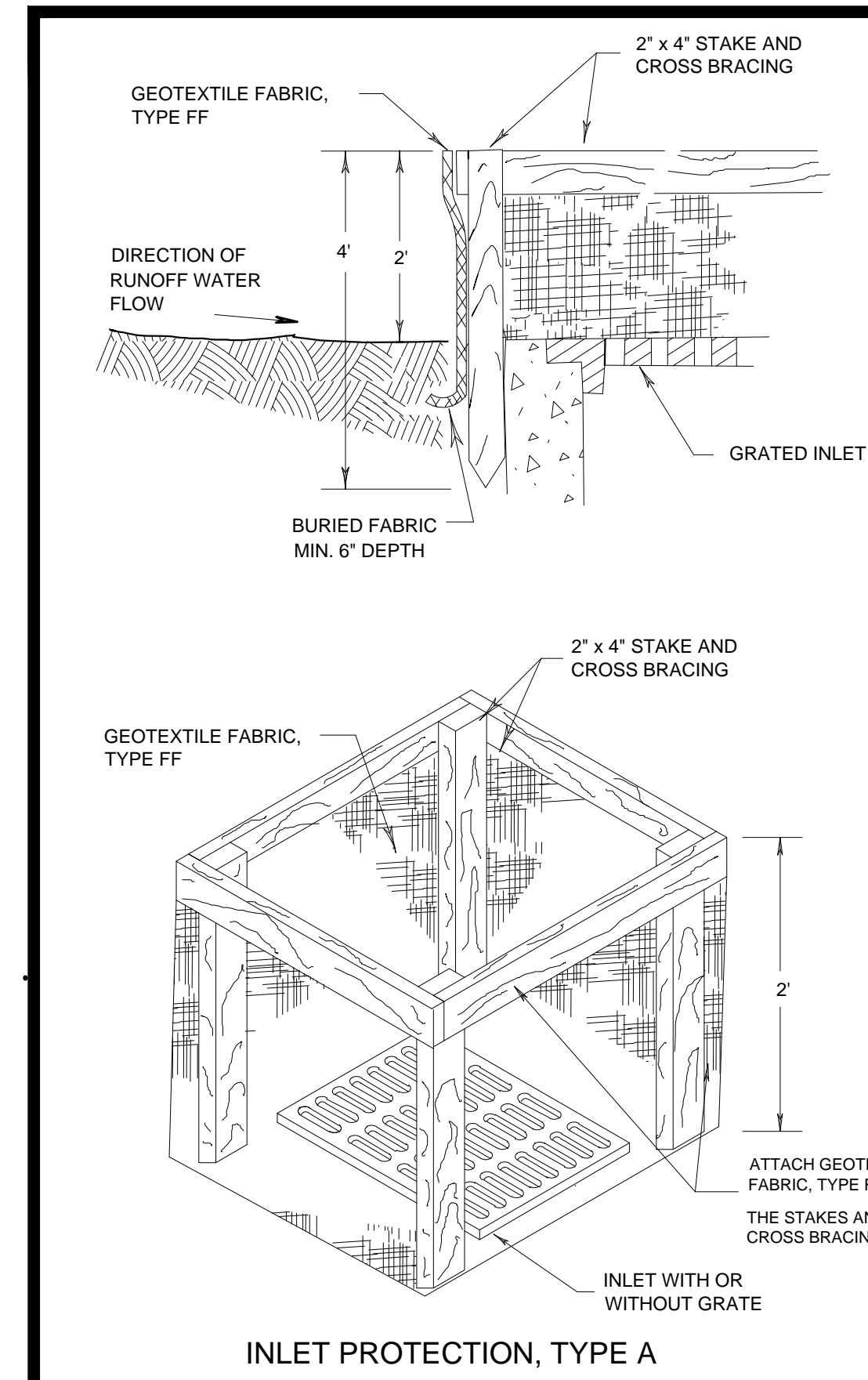
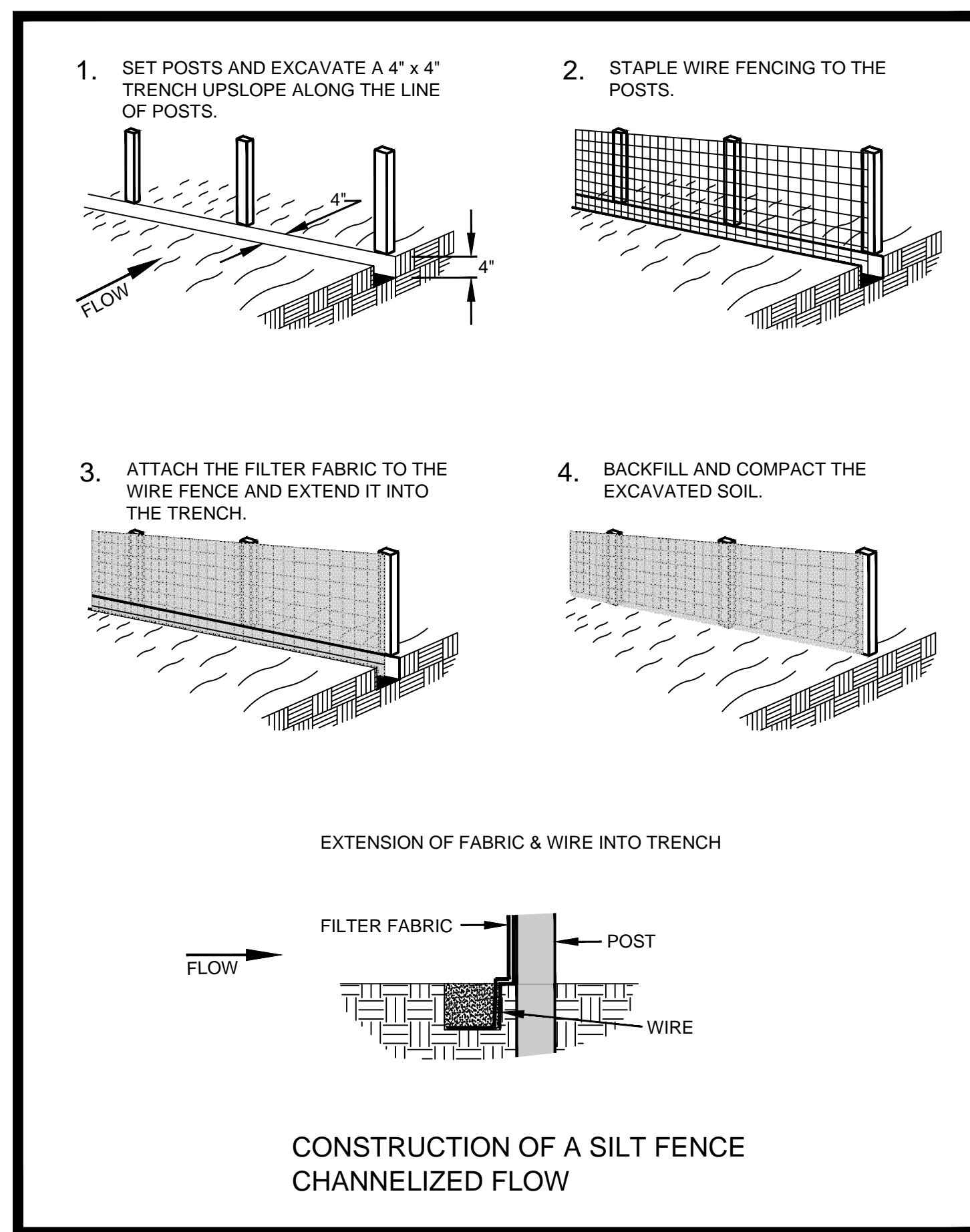
LOCATION

RESOLUTION DATE

ENGINEERING DEPT.
City of La Crosse, Wis.

FIELD BOOK	SURVEYED	BY	DATE
		KJC	03/2015
NUMBER	DRAWN PRELIMINARY	KJC	03/2015
	CHECKED FINAL	MIN	03/2015
PAGE	APPROVED	BNL	04/2015
	REVISIONS		

SHEET NO. 7 TOTAL SHEETS 9



GENERAL NOTES

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10' AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

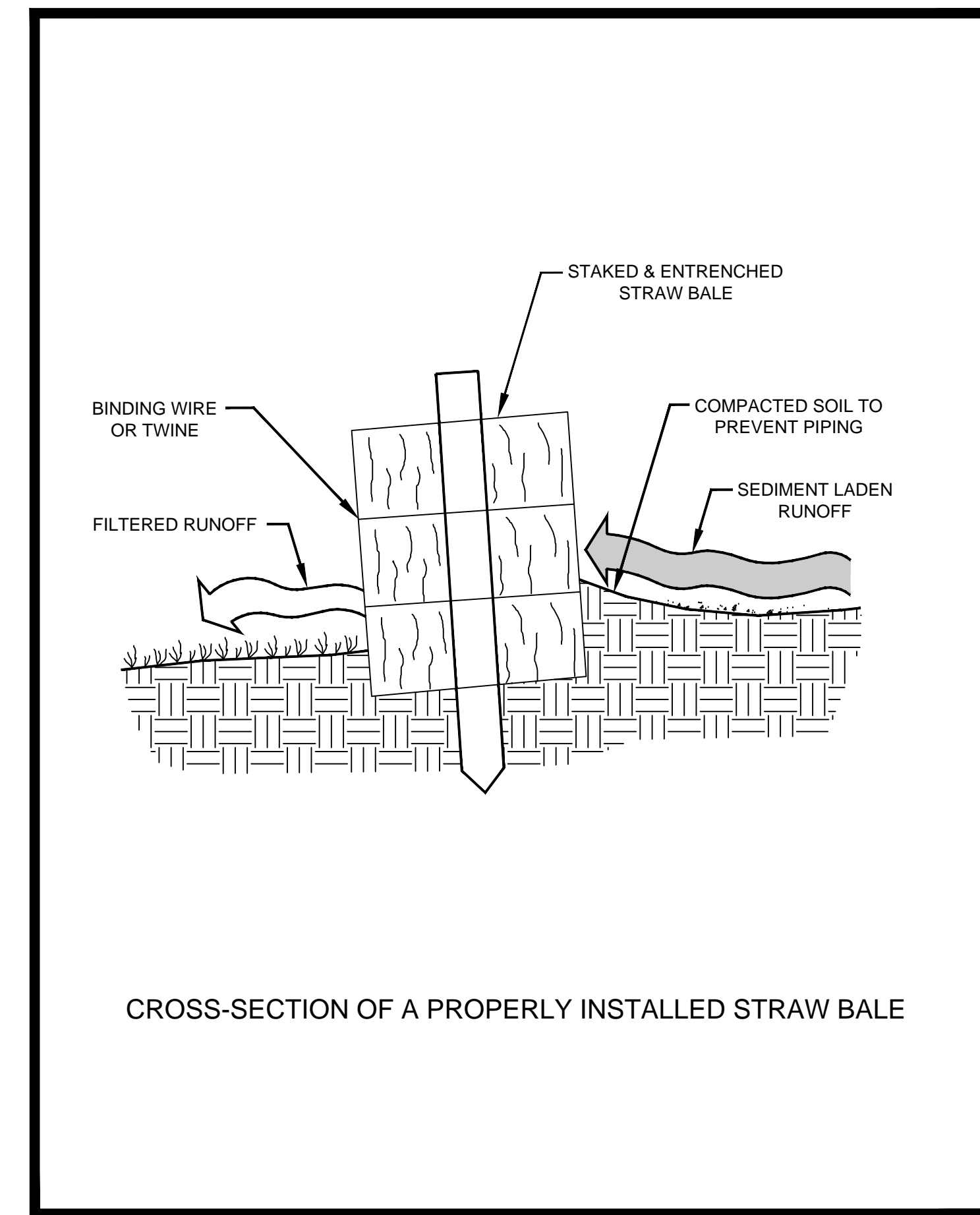
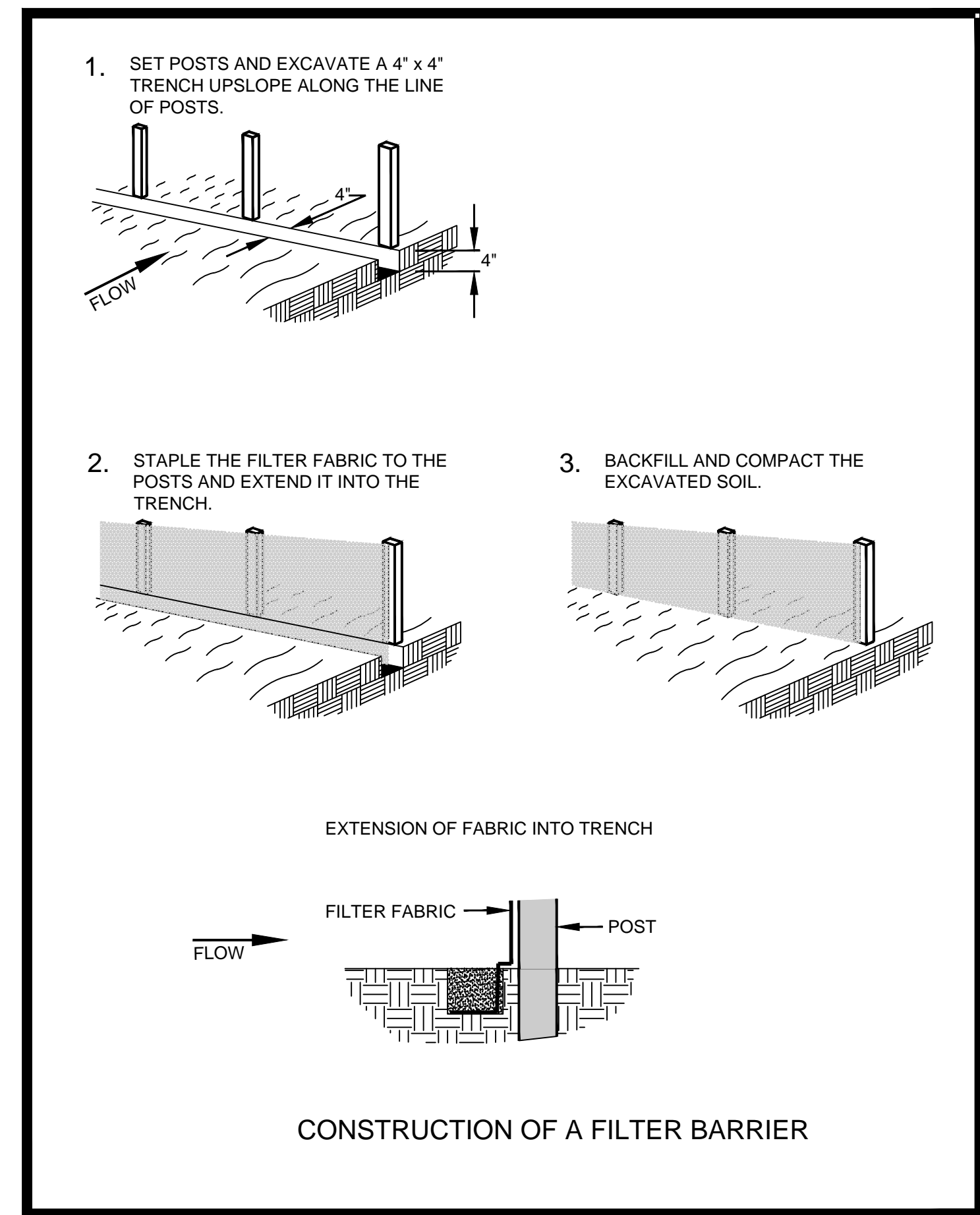
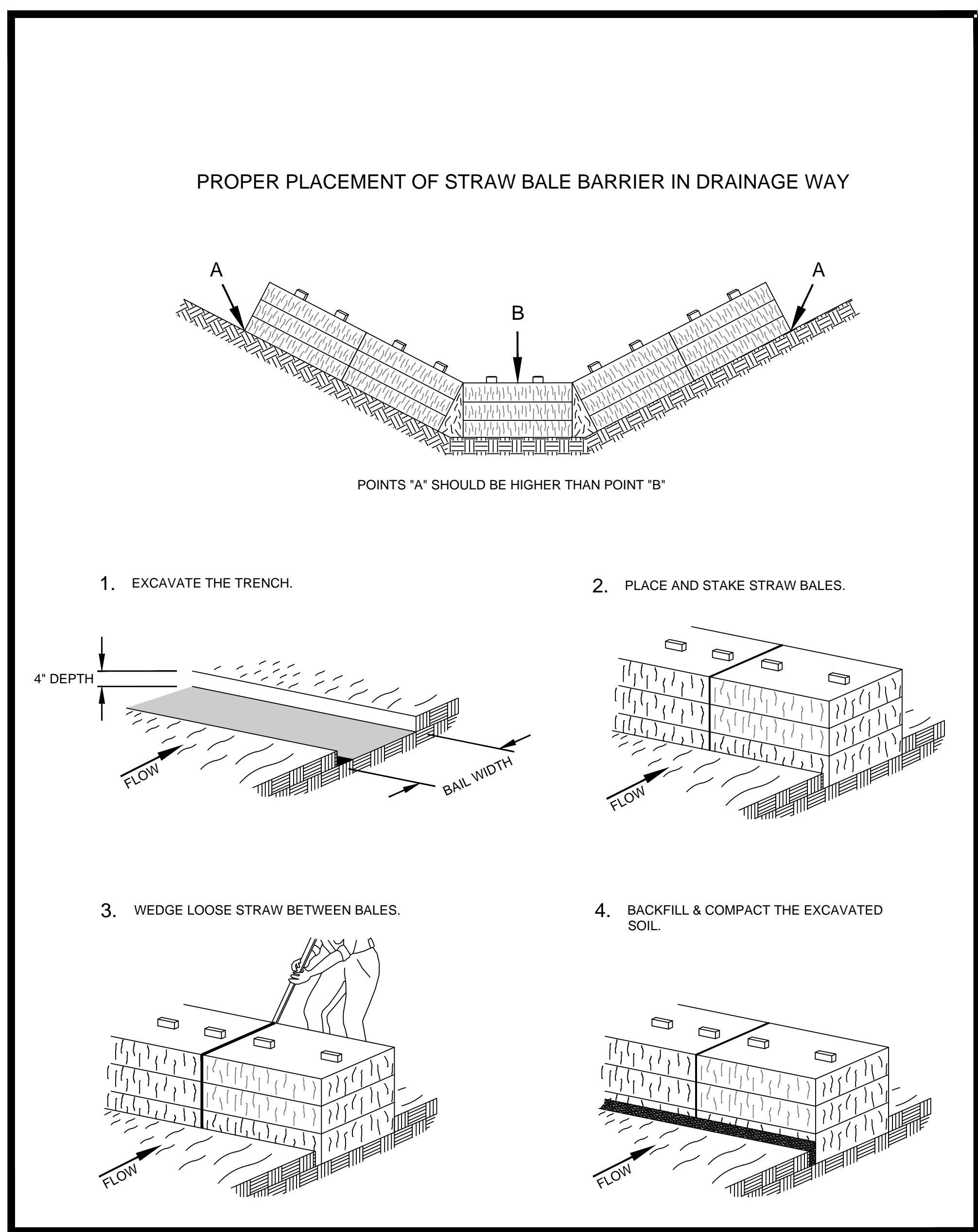
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

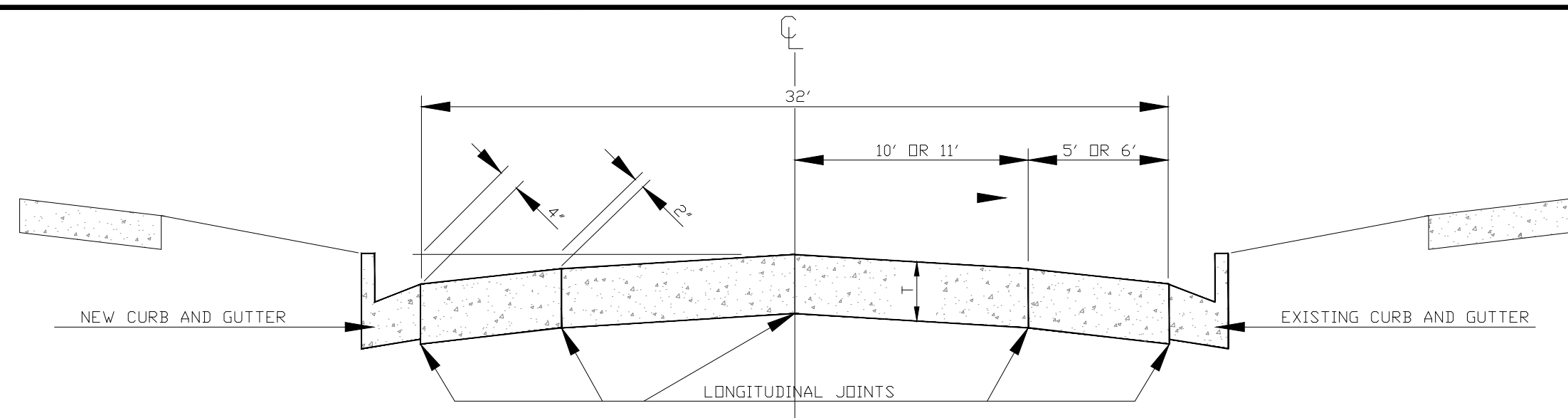
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4' FROM THE BOTTOM OF THE BAG.

This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 10-2.

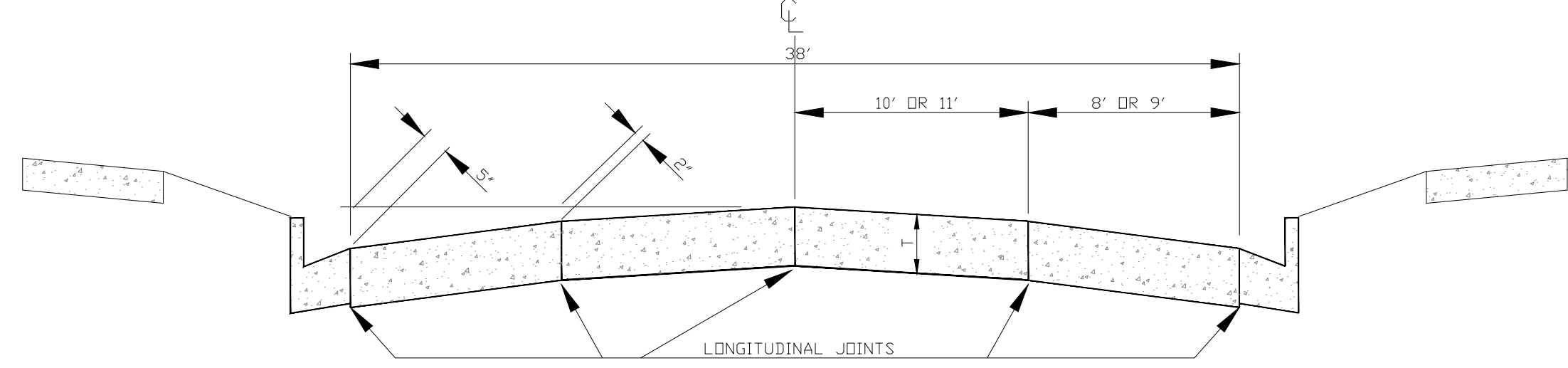
INLET PROTECTION TYPE A, B, C, AND D



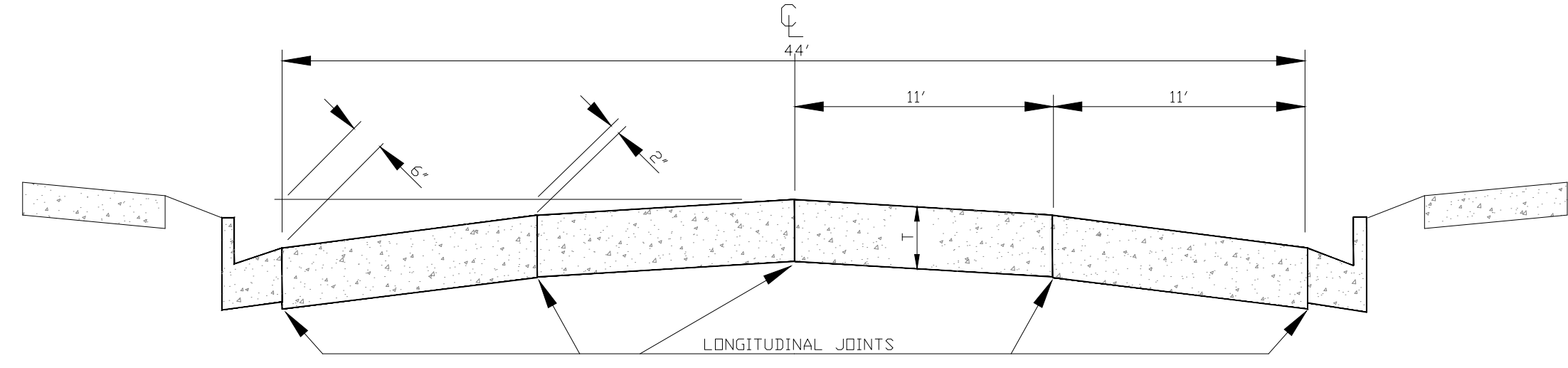
EDF #	DWG NAME: EROSION-CONTROL_DWG		
PROJECT No.	EROSION CONTROL DETAILS		
LOCATION			
RESOLUTION	DATE		
ENGINEERING DEPT. City of La Crosse, Wis.			
FIELD BOOK	SURVEYED	BY	DATE
NUMBER	DRAWN	PRELIMINARY	
PAGE	CHECKED	FINAL	JMC 2/2009
	APPROVED		
	REVISIONS		
SHEET NO. 8	TOTAL SHEETS 9		



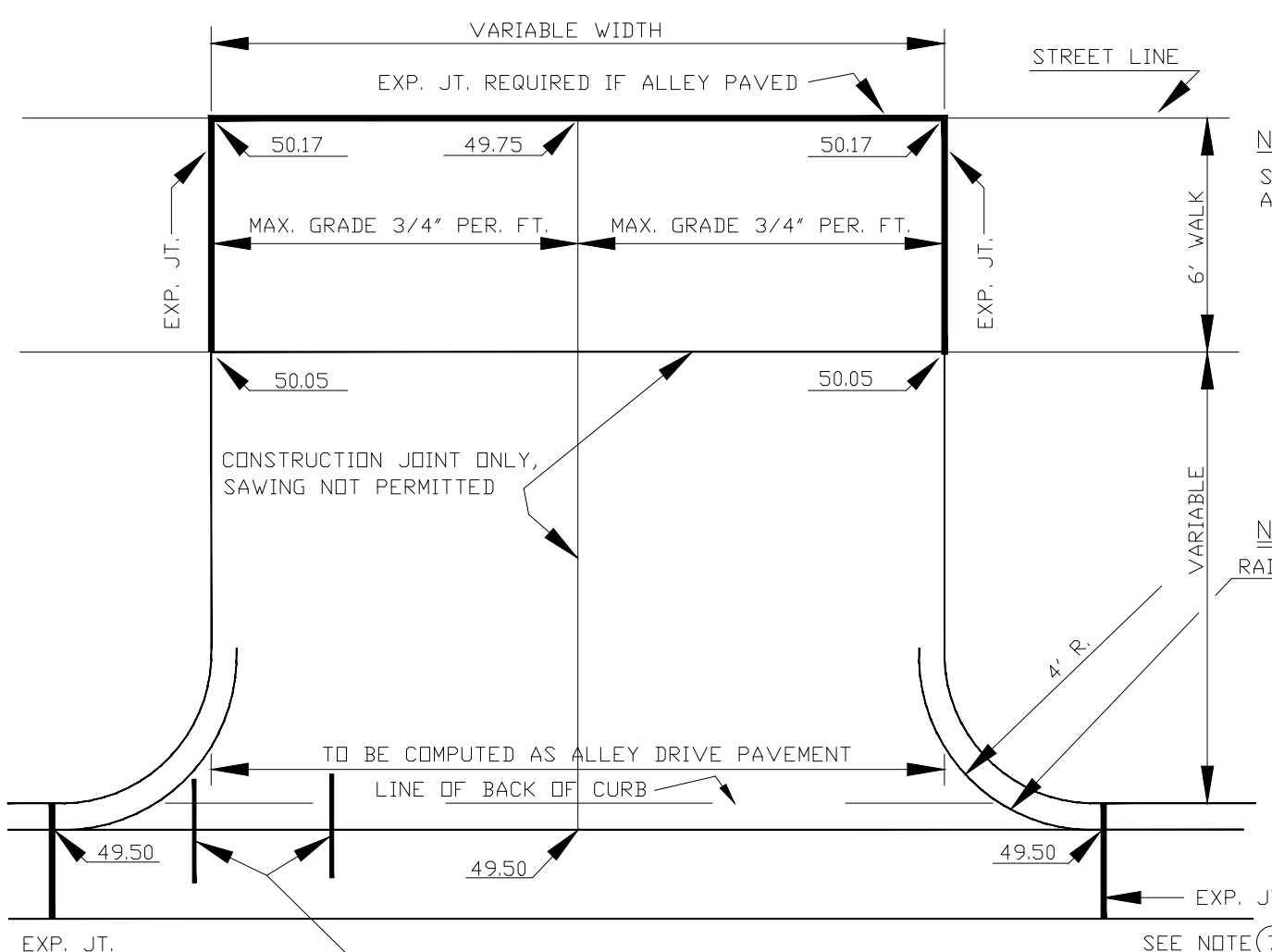
TYPICAL CROSS SECTION FOR 36' ROADWAY



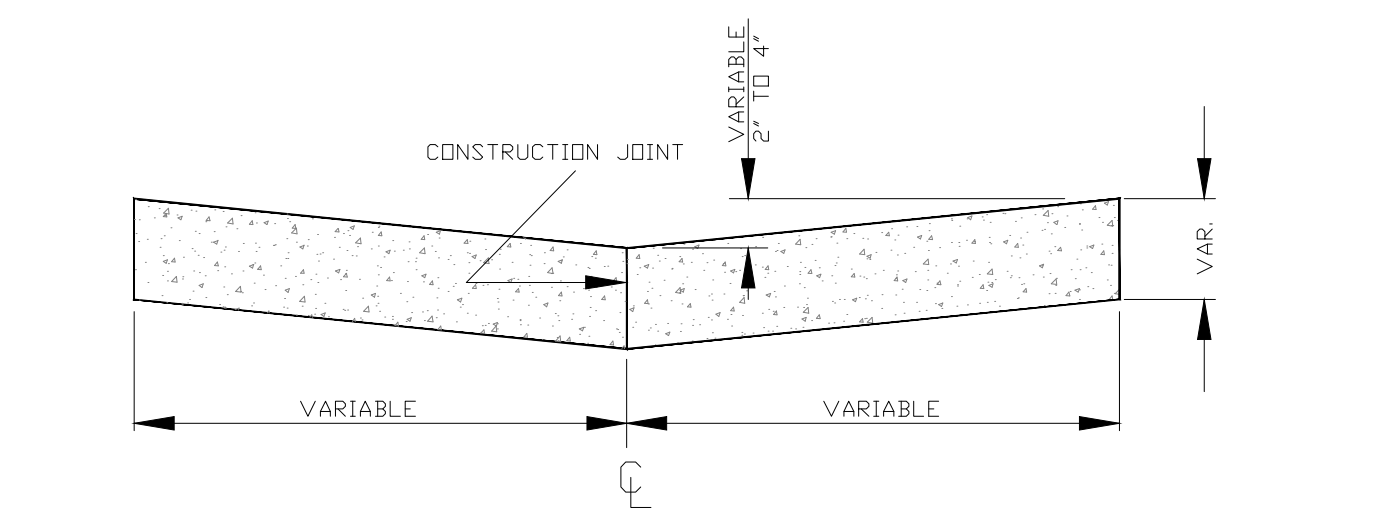
TYPICAL CROSS SECTION FOR 42' ROADWAY



TYPICAL CROSS SECTION FOR 48' ROADWAY



STANDARD ALLEY DRIVEWAY 7" THICK



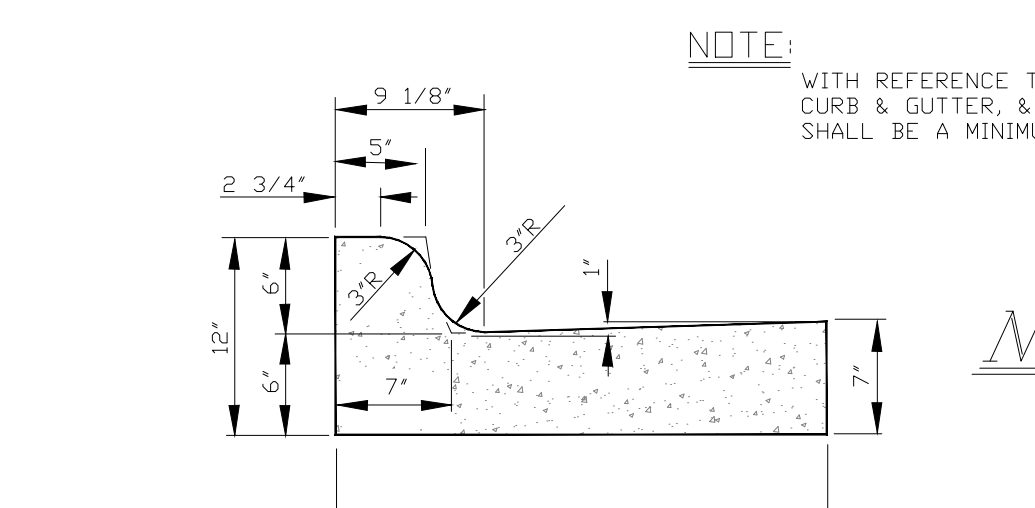
TYPICAL SECTION OF ALLEY PAVEMENT

NOTE: SLOPE TO WALK IN PLACE AT MAX. 3/4" PER. FT.
NOTE: RADIUS MAY BE CHANGED BY ENGINEER

- ① DRIVE SECTION SHALL NOT OVERLAP PROPERTY LINE EXTENDED, EXCEPT WHERE PERMITTED BY THE ENGINEER, OR WHEN A JOINT DRIVEWAY AGREEMENT IS EXECUTED BY OWNERS OF ADJACENT PROPERTIES.
- ② MAX. DRIVEWAY WIDTH AT THE CURB AND SIDEWALK IS SET FORTH IN CITY ORDINANCE 5.03.
- ③ THE BREAKOVER ANGLE (CAUSE OF CARS BOTTOMING) BECOMES CRITICAL WHEN THE ALGEBRAIC DIFFERENCE OF GRADES (G1, G2, & G3) EXCEEDS 11%.
- ④ A REINFORCED DRIVE SECTION IS REQUIRED FOR CURB & GUTTER IN AREAS ZONED INDUSTRIAL OR COMMERCIAL.
- ⑤ BACK OF CURB TO FRONT OF CONC. SIDEWALK MUST BE CONCRETE, BRICK OR ASPHALTIC BITUMINOUS.
- ⑥ MECHANICAL COMPACTION OF SUBSOIL IN LAYERS LESS THAN 12" TO ACHIEVE MINIMUM COMPACTION OF 95% OF MAXIMUM DENSITY FROM MODIFIED PROCTOR IS REQUIRED (INCLUDING STREET SIDE AFTER FORMS ARE REMOVED)
- ⑦ EXPANSION JOINT IS REQUIRED AT BOTH ENDS OF DRIVEWAY WHEN ONLY DRIVEWAY IS INSTALLED OR REPLACED. WHEN ENTIRE BLOCK OF CURB & GUTTER IS INSTALLED THE EXPANSION JOINT AT DRIVEWAY ENDS MAY BE OMITTED.

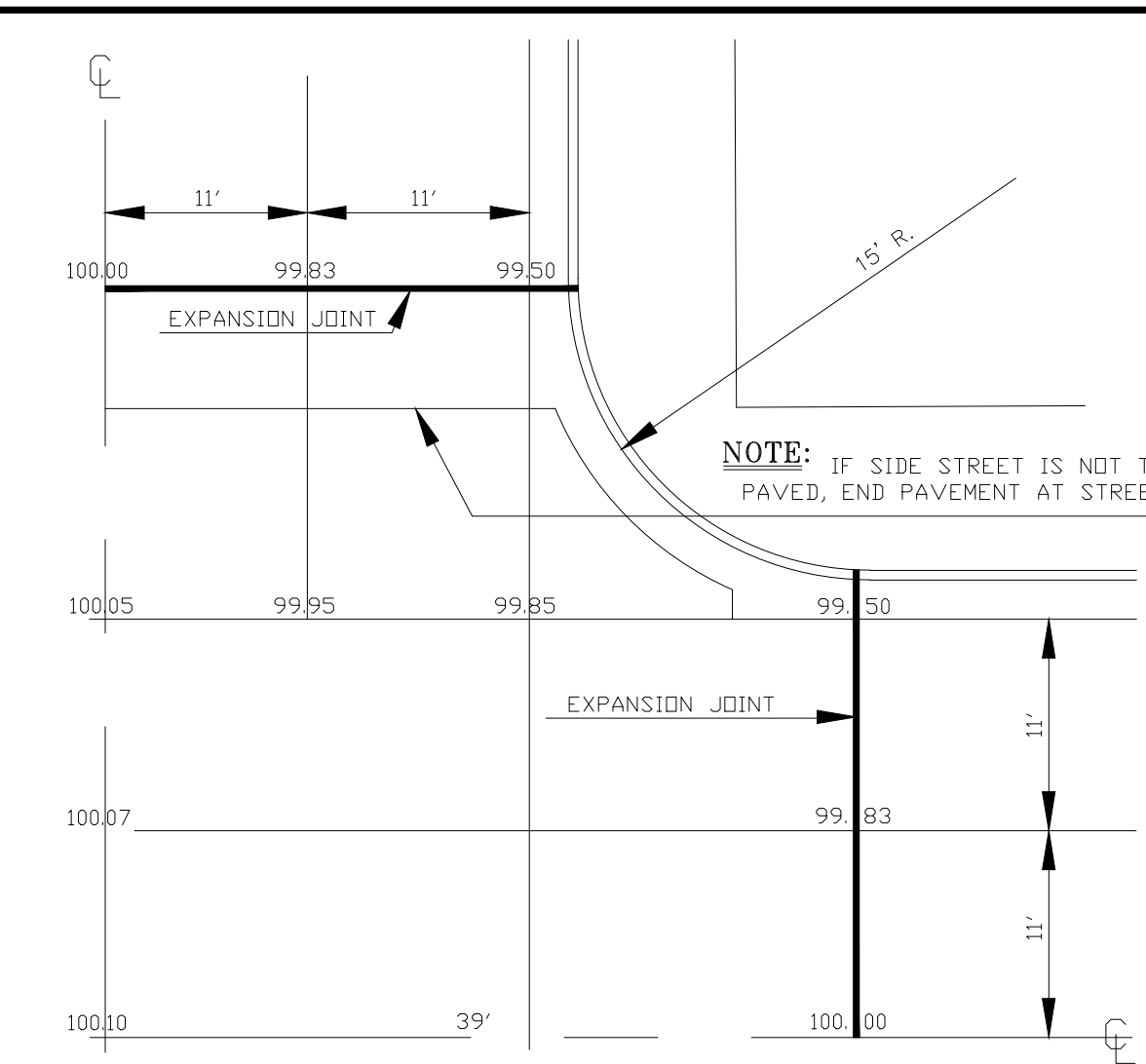
NOTE: TURNING OF 2" DIAMETER DRIVEWAY RETURNS IN LIEU OF DIMINISHING HEAD AS SHOWN IS PERMITTED IF DESIRED BY PROPERTY OWNER. INSTALLATION OF A DRIVEWAY BY REMOVING EXISTING CURB HEAD ONLY IS NOT ALLOWED. ENTIRE EXISTING C&G MUST BE REMOVED FOR NEW DRIVEWAYS. REMOVAL OF A MINIMUM 12" WIDTH OF BITUMINOUS TO INSTALL FRONT FORMS IS REQUIRED.

STANDARD DRIVEWAY DETAIL

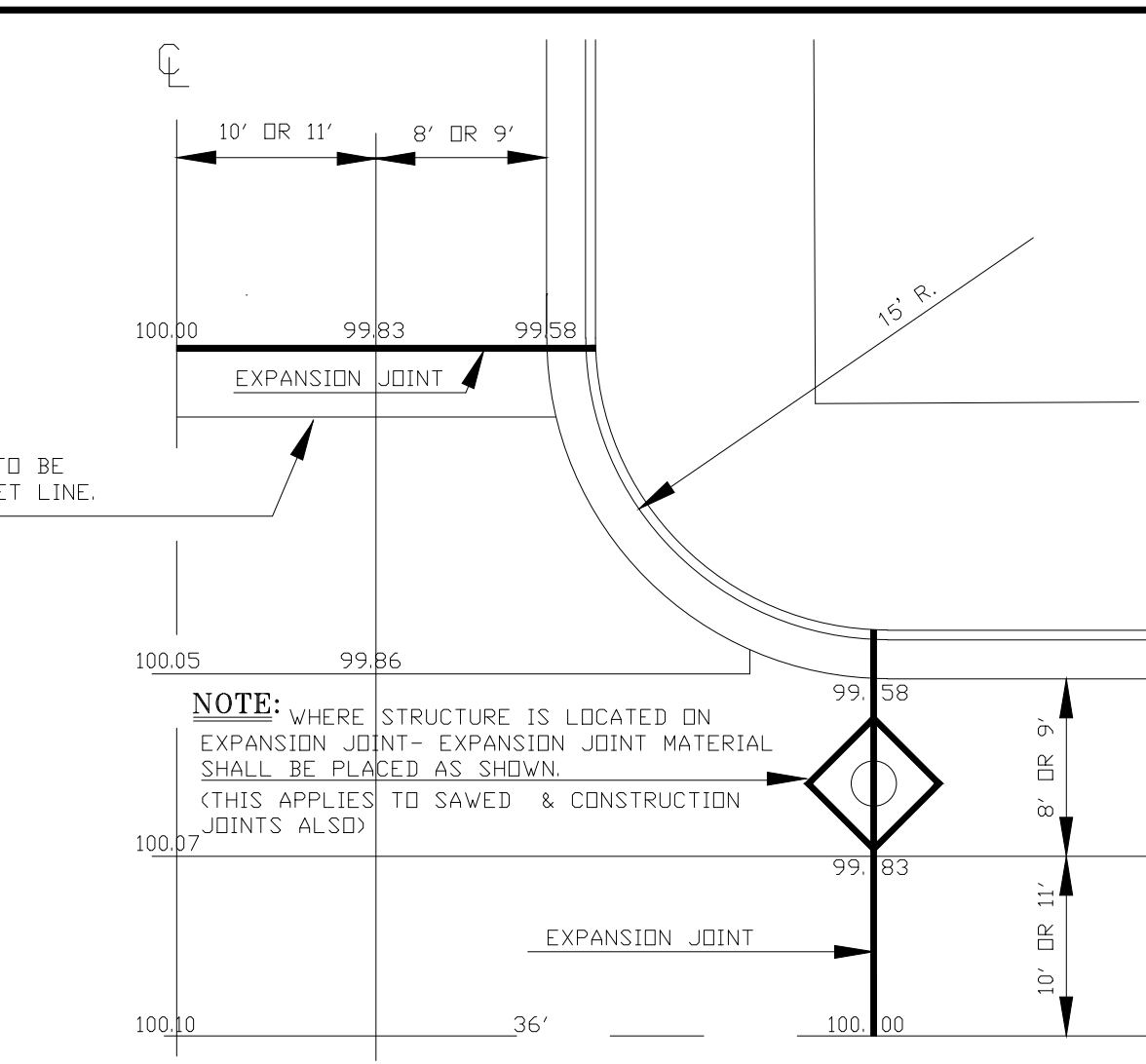


STANDARD CURB & GUTTER SECTION

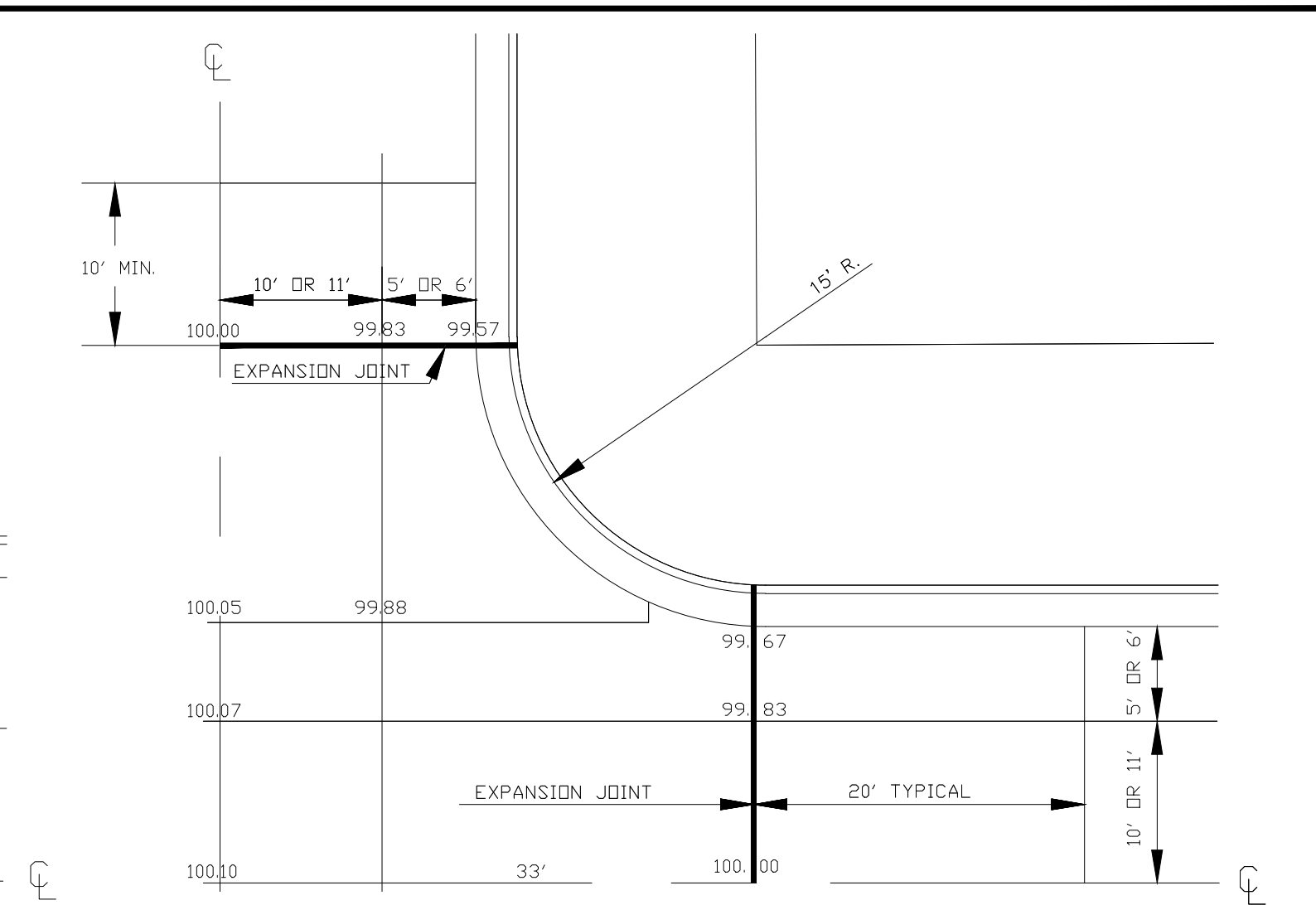
DRAWINGS NOT TO SCALE



48' X 48' ROADWAY 1/4 TYPICAL INTERSECTION

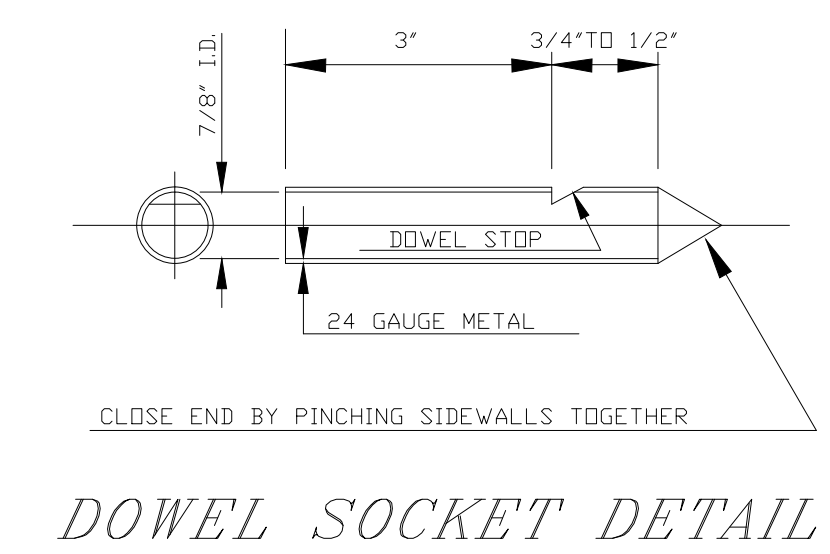
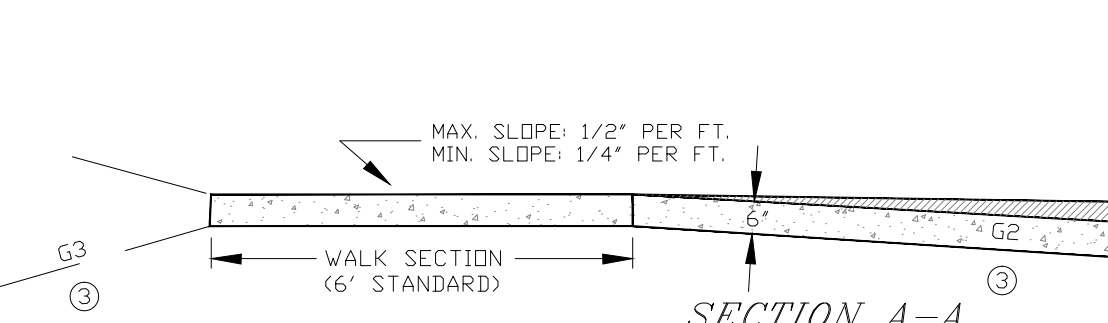
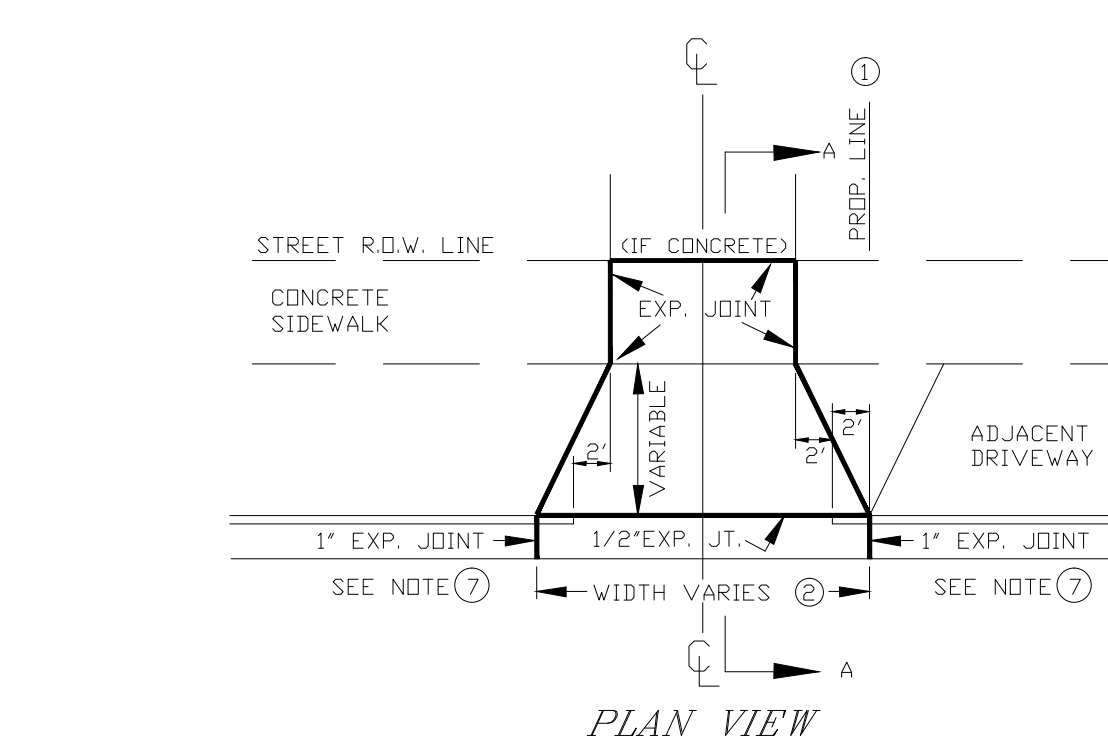


42' X 42' ROADWAY 1/4 TYPICAL INTERSECTION

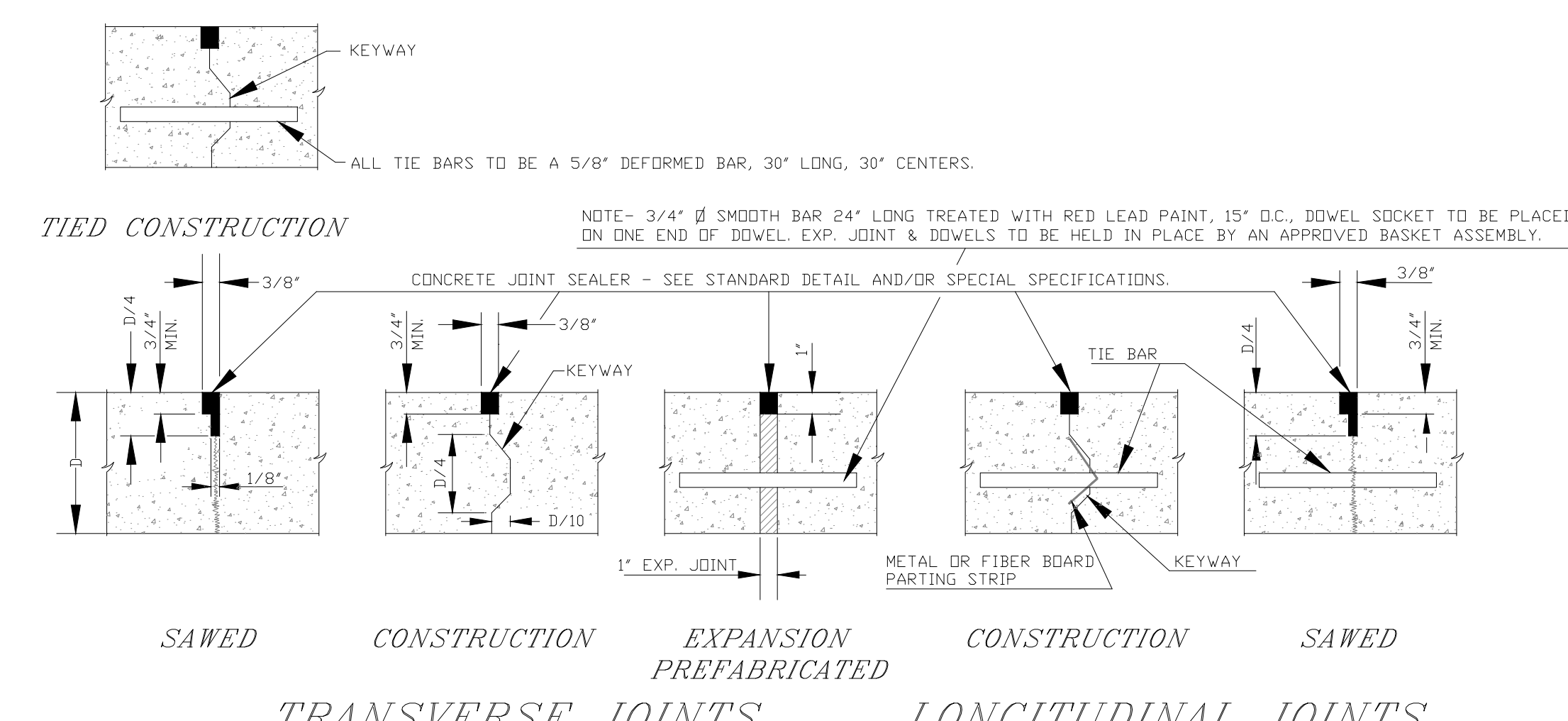


36' X 36' ROADWAY 1/4 TYPICAL INTERSECTION

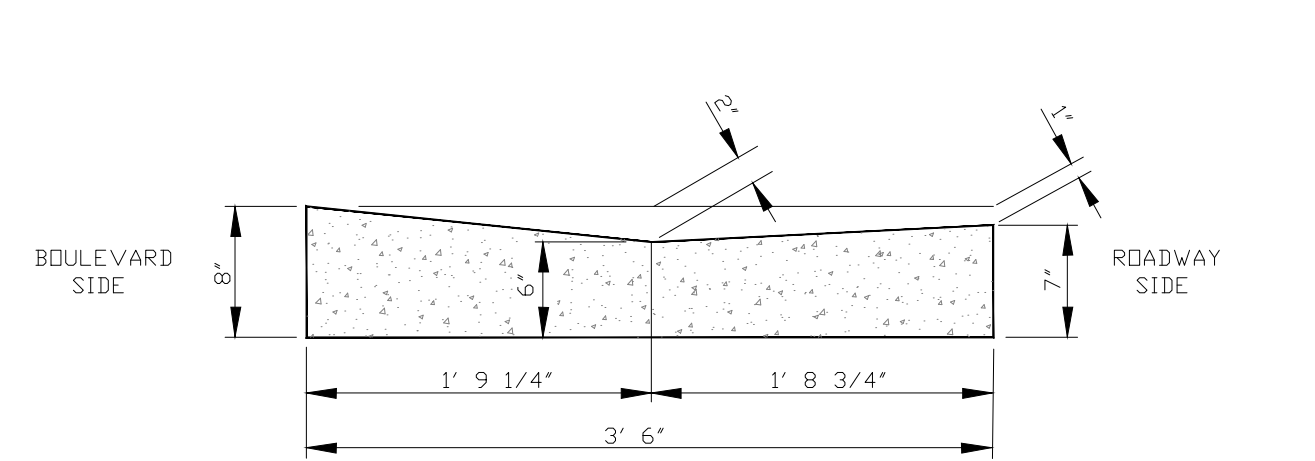
NOTES-JOINTS
1. EXPANSION JOINTS SHALL BE PLACED AT THE END OF RADII AT STREET INTERSECTIONS AND MID-BLOCK BETWEEN INTERSECTIONS. IN NO CASE SHALL THE DISTANCE BETWEEN EXPANSION JOINTS EXCEED 160 FEET.
2. THE DISTANCE BETWEEN TRAVERSE JOINTS SHALL NOT BE LESS THAN 10 FEET AND SHALL BE TYPICALLY 20 FEET APART.
3. LONGITUDINAL CONSTRUCTION JOINTS BETWEEN CURB AND GUTTER SECTION AND CONC. PAVING SECTION SHALL BE SEALED AS SHOWN ON JOINT DETAILS.



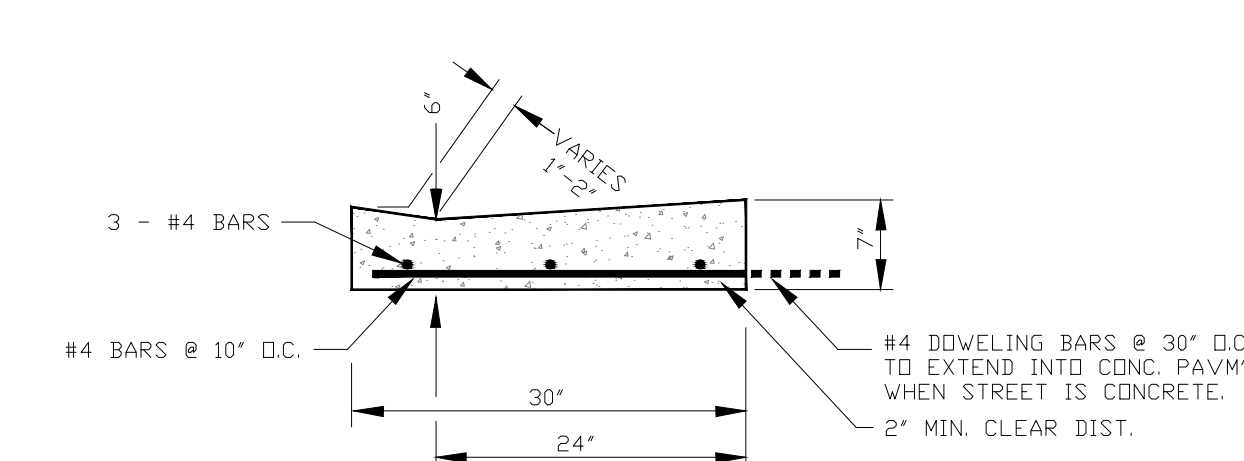
DOWEL SOCKET DETAIL



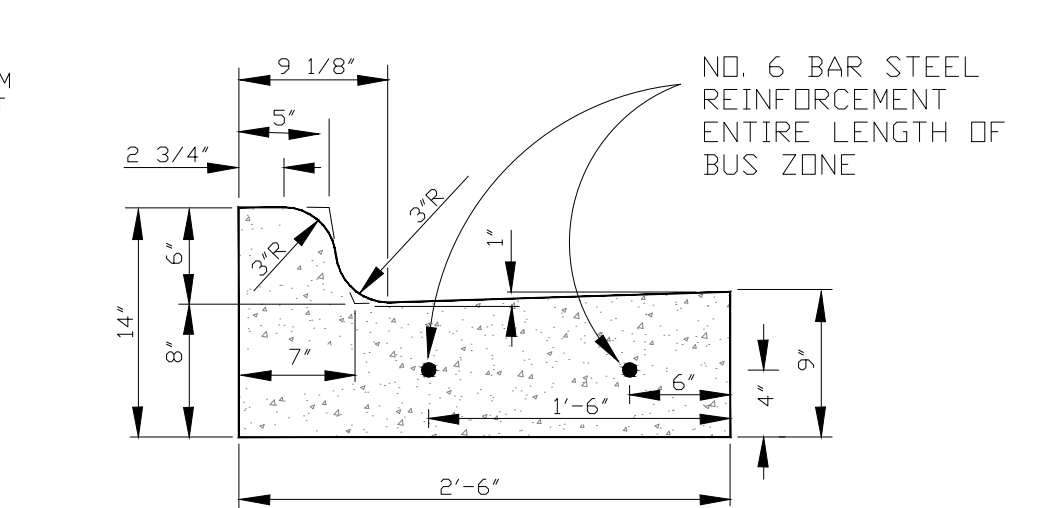
SAWED CONSTRUCTION EXPANSION PREFABRICATED CONSTRUCTION SAWED TRANSVERSE JOINTS LONGITUDINAL JOINTS



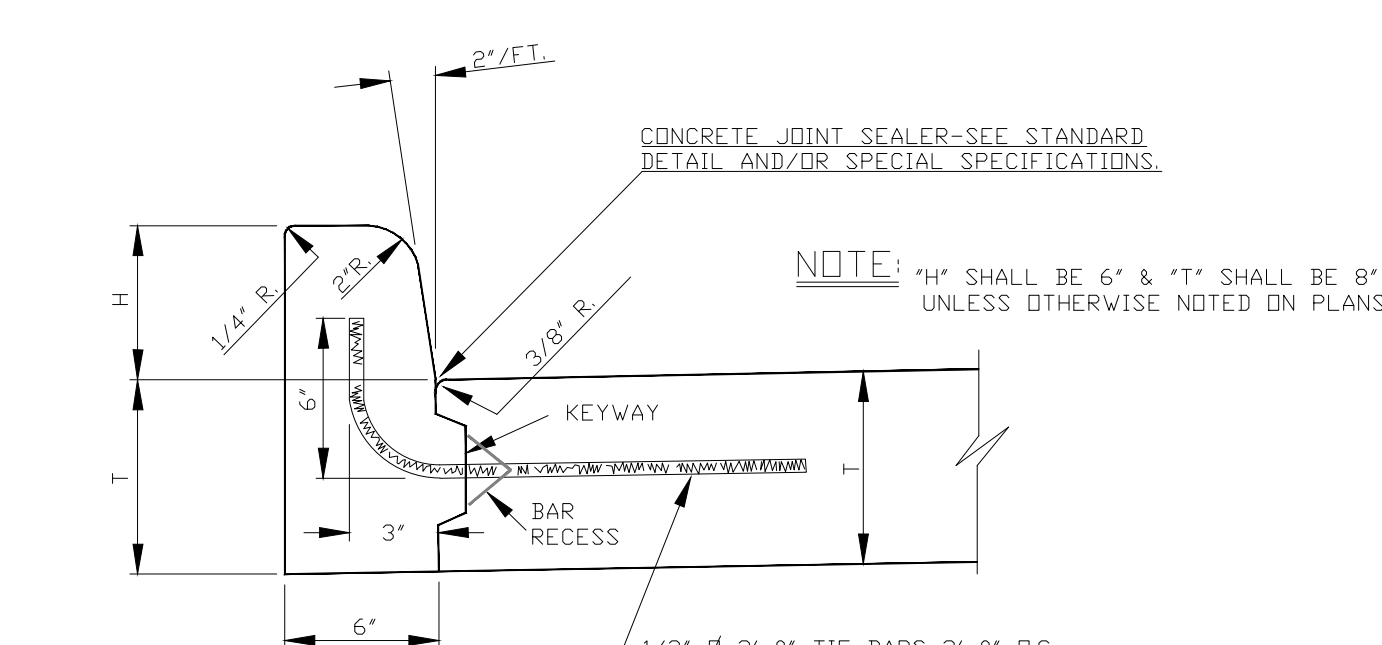
STANDARD "V" TYPE GUTTER SECTION



REINFORCED DRIVEWAY DETAIL



SPECIAL CURB & GUTTER SECTION FOR BUS STOP LOCATIONS



STANDARD CONCRETE CURB SECTION

PROJECT No.	CONCRETE-PAVEMENT DETAILS		
LOCATION			
RESOLUTION	DATE		
ENGINEERING DEPT. City of LaCrosse, Wis.			
FIELD BOOK	SUBMITTED	BY	DATE
NUMBER	DRAWN	PRELIMINARY	
	CHECKED	FINAL	
PAGE	APPROVED	M.D.F.	2/03
	REVISIONS	M.D.F.	12/04
		M.D.F.	4/06
		M.D.F.	3/11
SCALE: NONE		TOTAL SHEETS 9	
SHEET NO. 9			