

# CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION DEPARTMENT



## EAST ALLEN STREET TRAFFIC CALMING

ROUTE: EAST ALLEN STREET FROM SOUTH WALNUT STREET TO SOUTH HENDERSON STREET  
SECTION 04, T-8-N, R-1-W, PERRY TOWNSHIP, MONROE COUNTY, INDIANA  
REMOVE TEMPORARY TRAFFIC CALMING, INSTALL TRAFFIC CUSHION, INSTALL FOUR BUMP-OUTS.

DATA	
TRAFFIC DATA	EAST ALLEN STREET
AADT (2014)	
AADT (2014 PROJECTED)	
DHV (2035 PROJECTED)	
DIRECTIONAL DISTRIBUTION	
TRUCKS	



CITY OF BLOOMINGTON  
MONROE COUNTY  
INDIANA

INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS DATED 2020  
AND CURRENT SUPPLEMENTS THERETO, TO  
BE USED WITH THESE PLANS



RECOMMENDED FOR APPROVAL *Neil H. Kopper* 10/22/2020  
CITY ENGINEER DATE

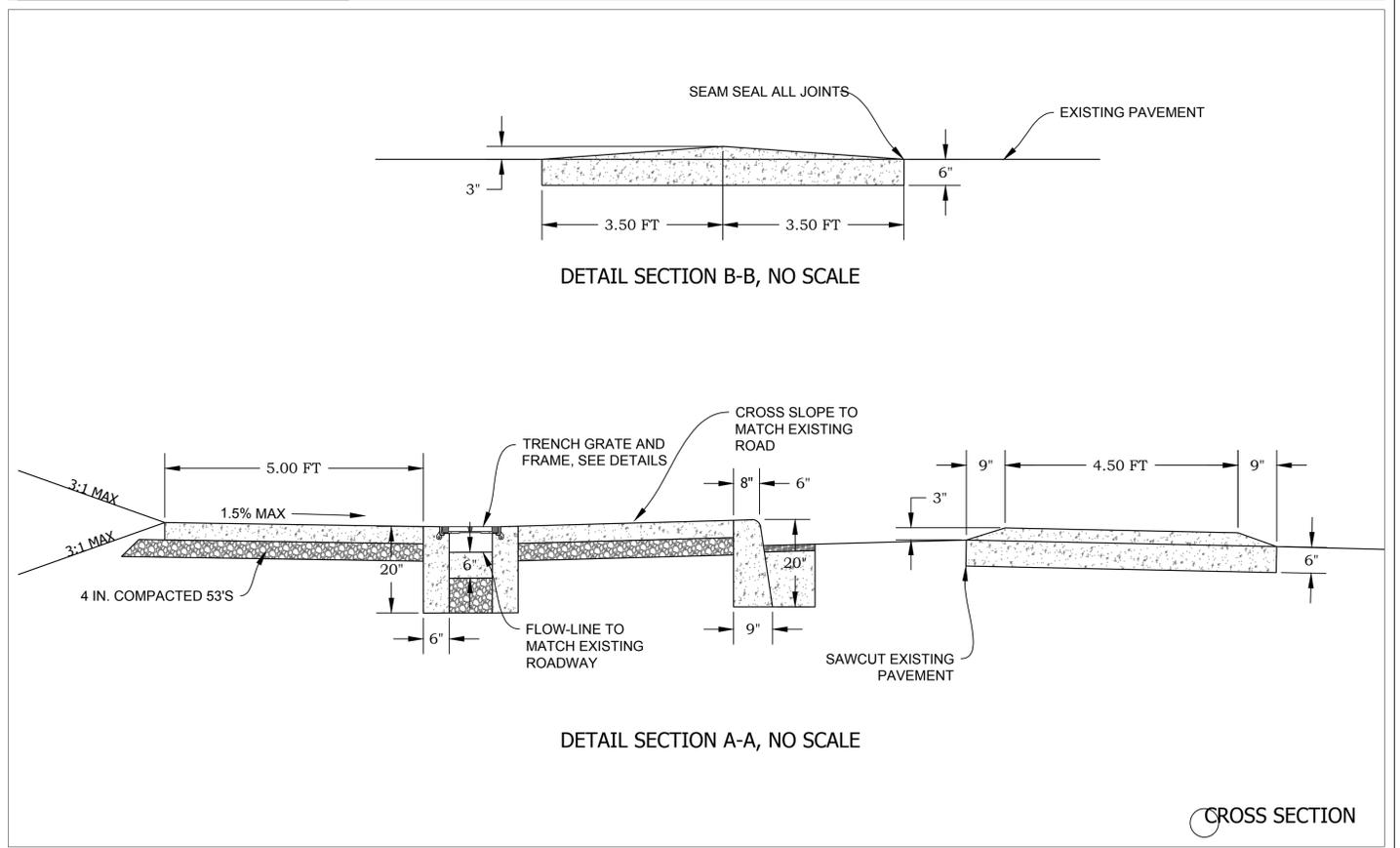
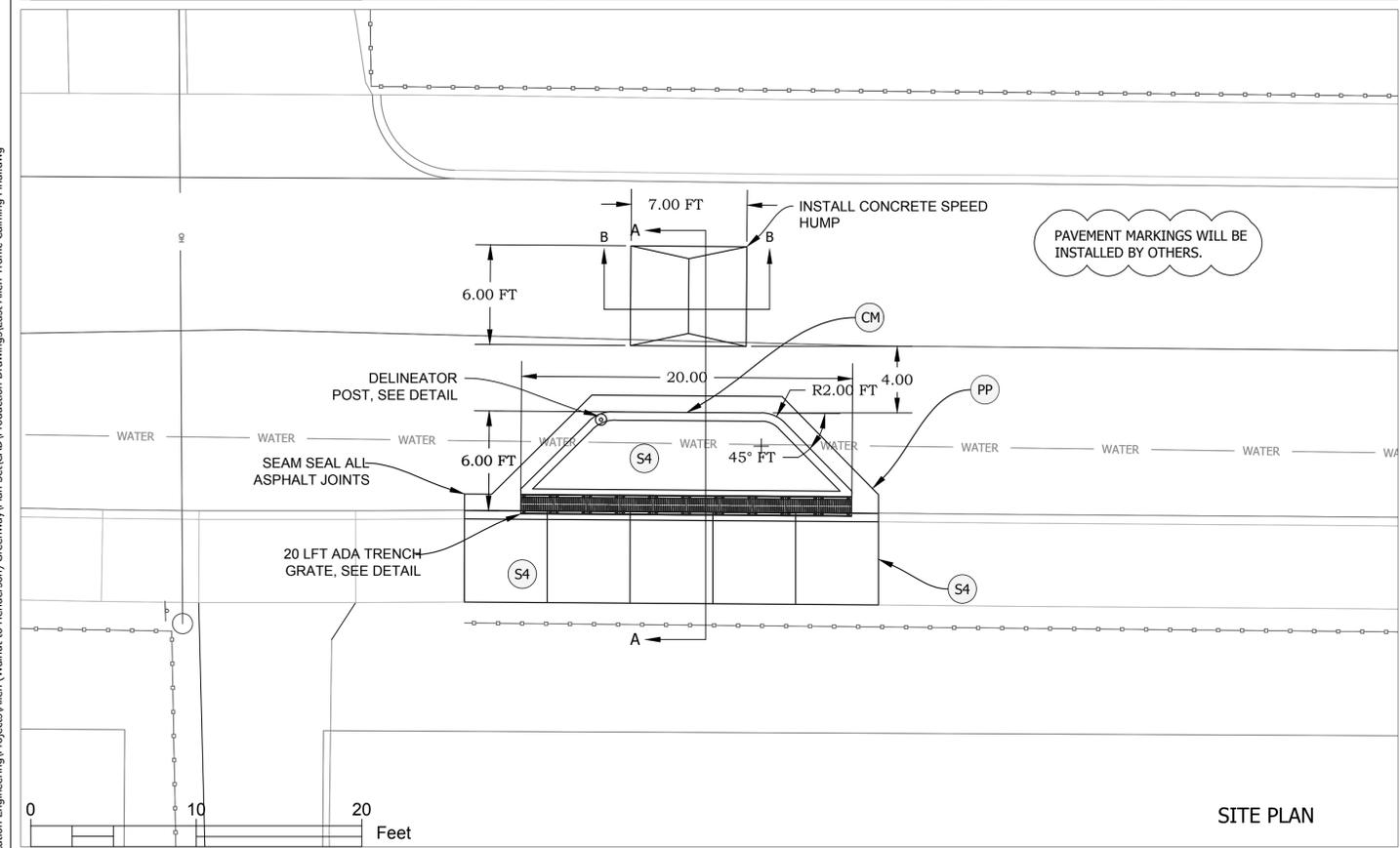
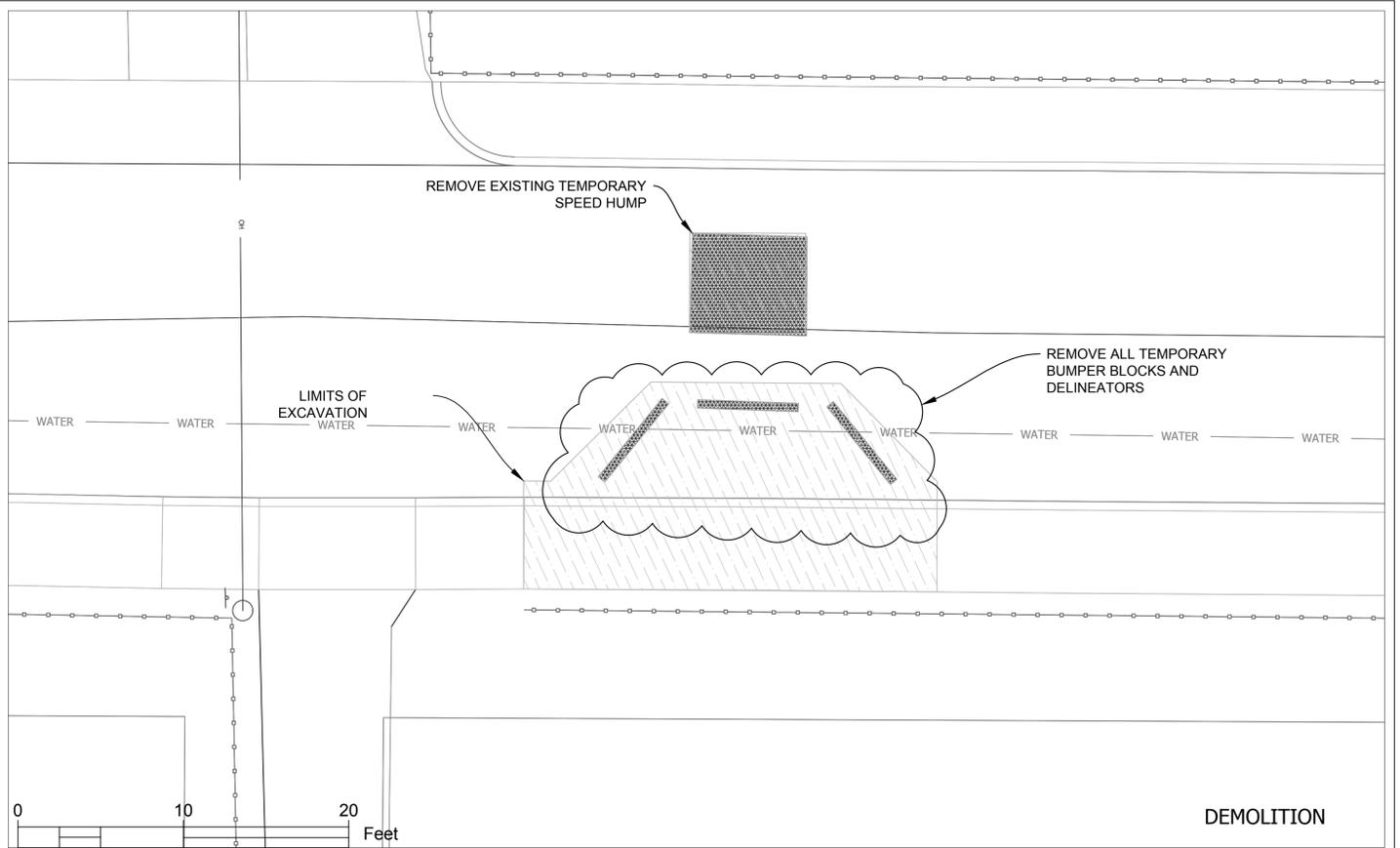
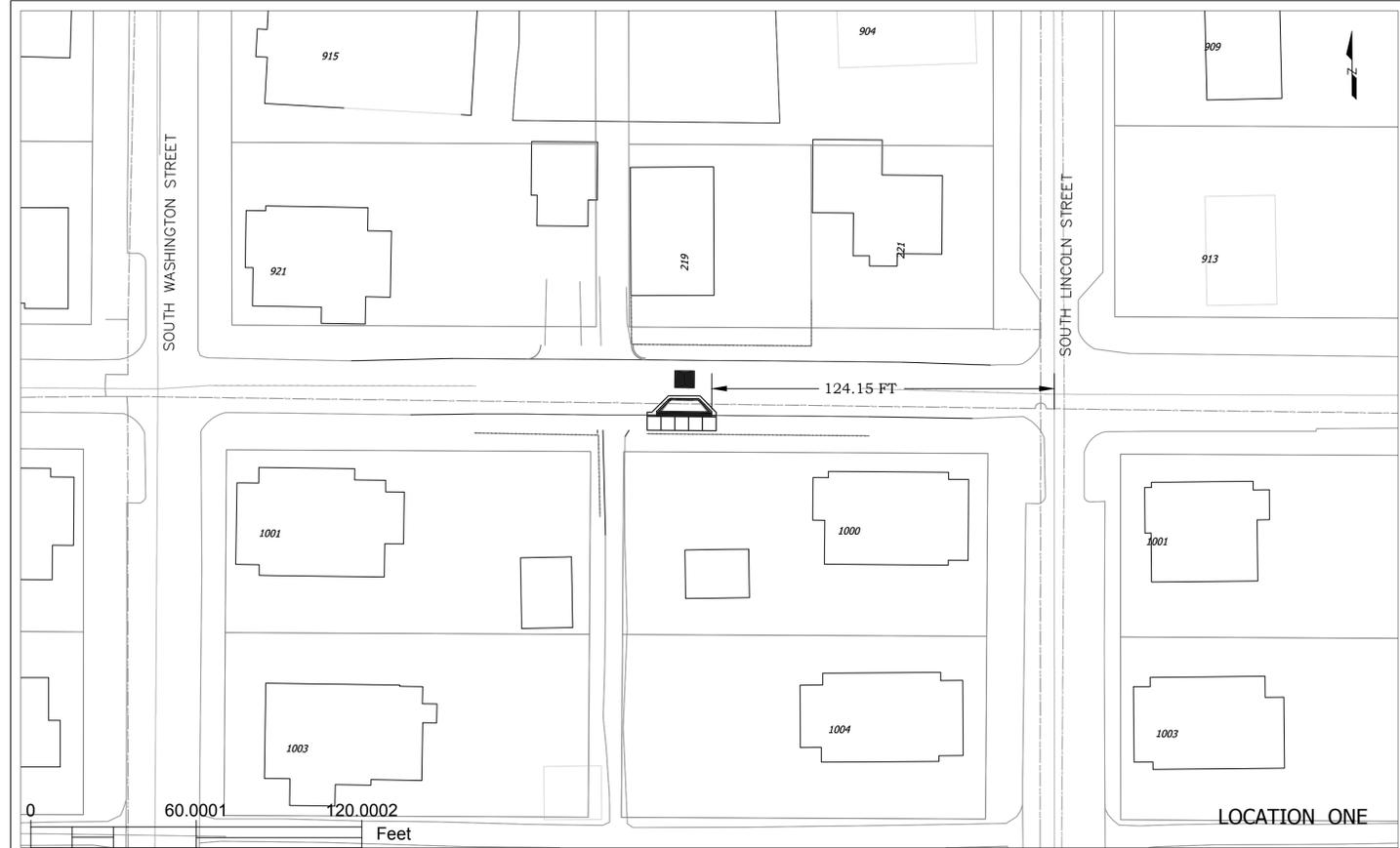
DESIGNED: \_\_\_\_\_ DRAWN: REA  
CHECKED: \_\_\_\_\_ CHECKED: \_\_\_\_\_

**CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT**

EAST ALLEN STREET  
TRAFFIC CALMING

HORIZONTAL SCALE	BRIDGE FILE
VERTICLE SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	1 of 6 PROJECT





I:\common\Transportation Engineering\Projects\Allen (Walnut to Henderson) Greenway\Plan Set\CAD\Production Drawings\East Allen Traffic Calming Final.dwg

- (CT) 3' Curb Taper, Concrete, Modified
- (RW) 6" Riprap, Uniform type 'B' on Geotextile Type 1A
- (S4) Sidewalk, 4" Concrete on 4" Compacted Aggregate #53's
- (CM) Standing Curb, Concrete, Modified
- (PP) Pavement Patch, 1 1/2" HMA Surface on 9" PCCP



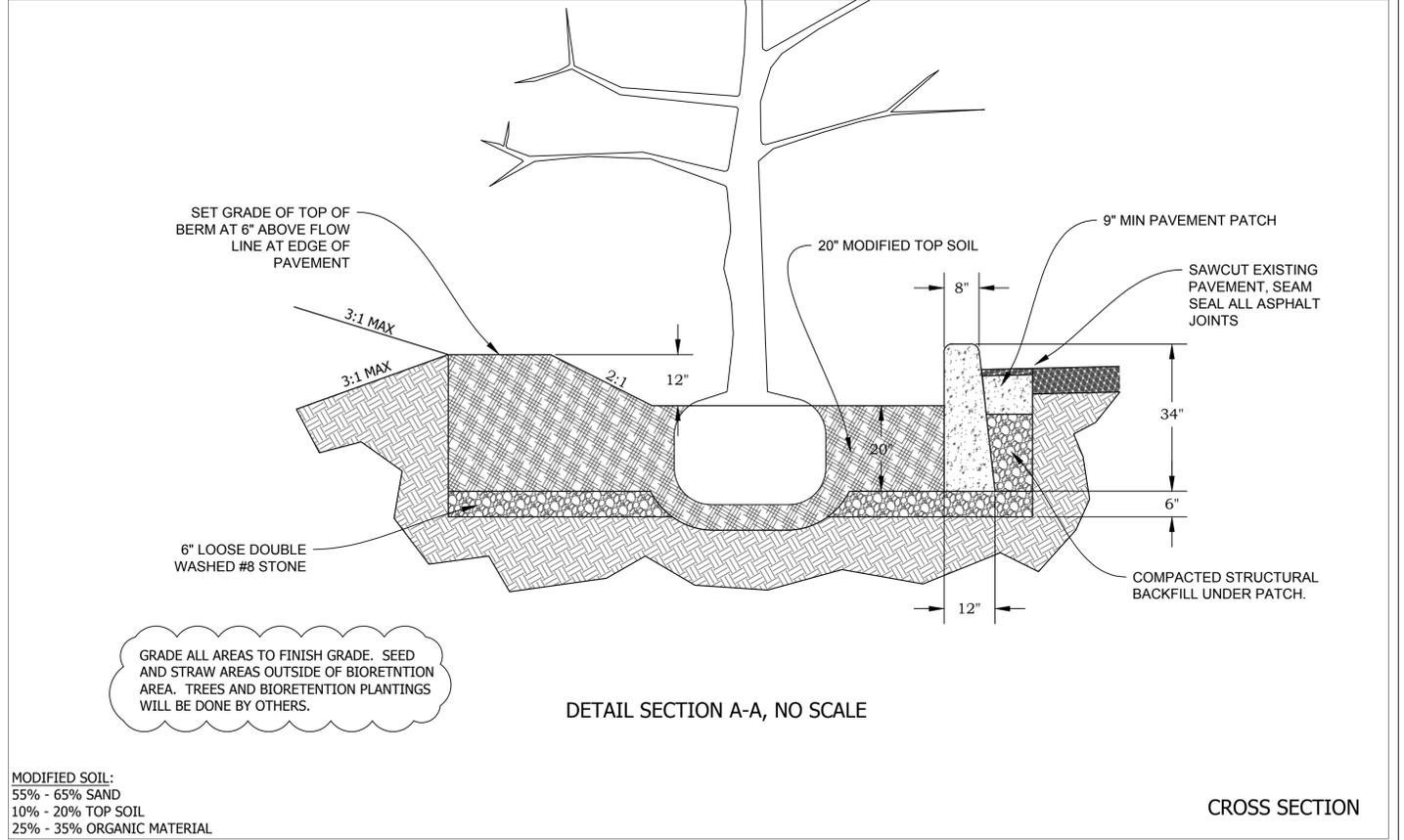
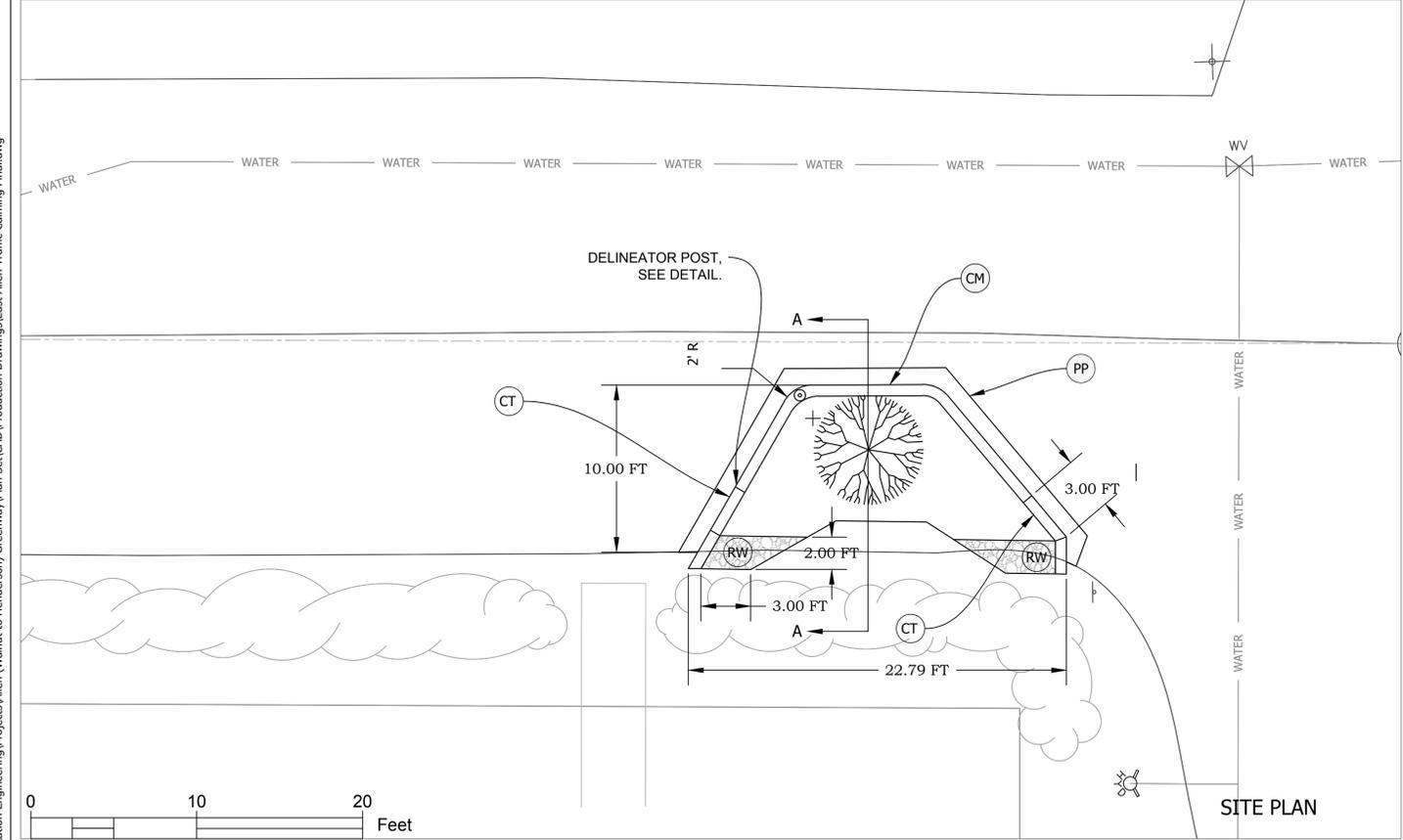
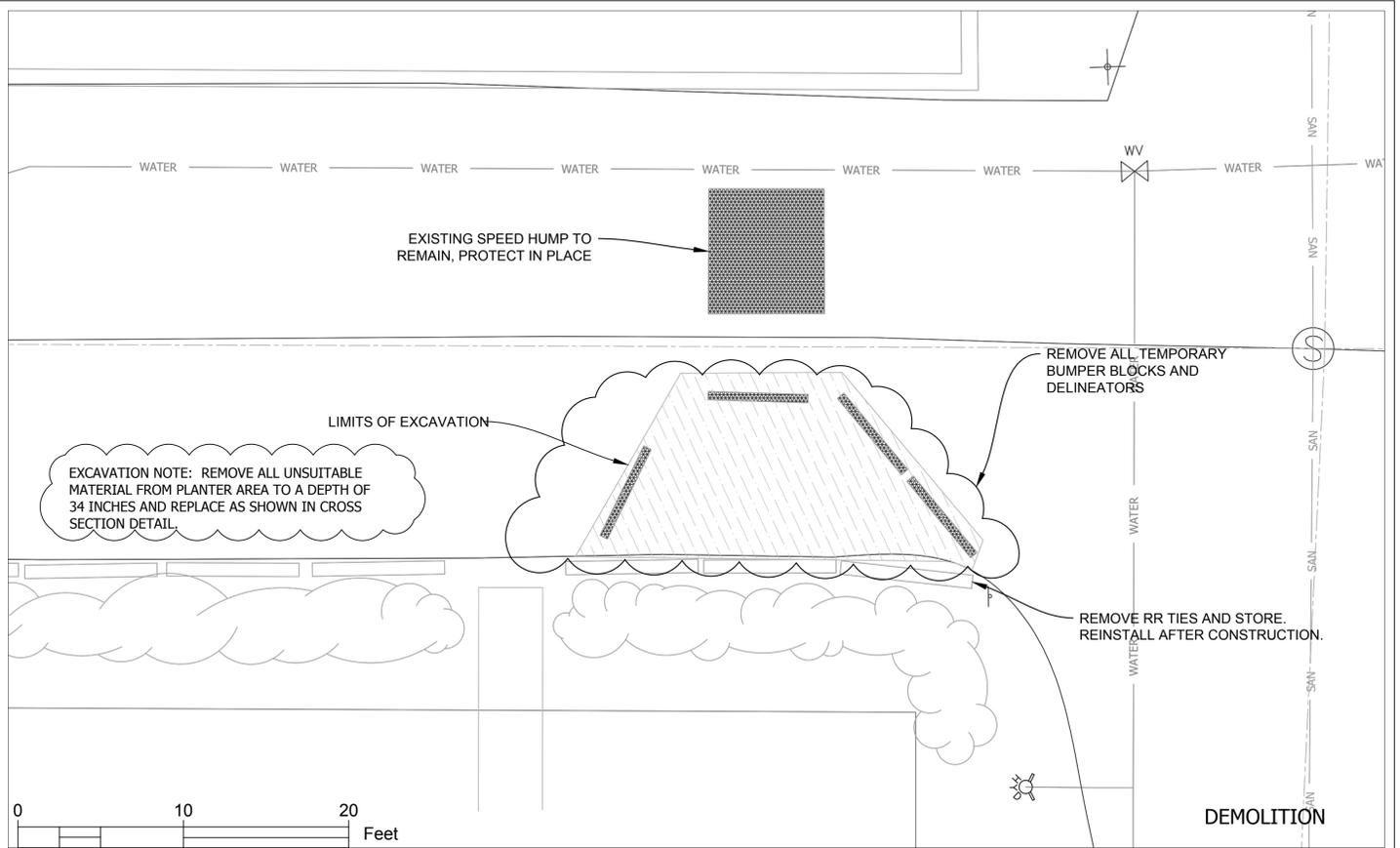
RECOMMENDED FOR APPROVAL *Neil H. Kopp* 10/22/2020  
 CITY ENGINEER DATE

DESIGNED: \_\_\_\_\_ DRAWN: REA  
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**CITY OF BLOOMINGTON  
 ENGINEERING DEPARTMENT**

EAST ALLEN STREET  
 TRAFFIC CALMING

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE
VERTICLE SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	3 of 6 PROJECT



I:\common\Transportation Engineering\Projects\Allen (Walnut to Henderson) Greenway\Plan Set\CAD\Production Drawings\East Allen Traffic Calming Final.dwg 9/6/2013

- (CT) 3' Curb Taper, Concrete, Modified
- (RW) 6" Riprap, Uniform type 'B' on Geotextile Type 1A
- (CM) Standing Curb, Concrete, Modified
- (PP) Pavement Patch, 1 1/2" HMA Surface on 9" PCCP



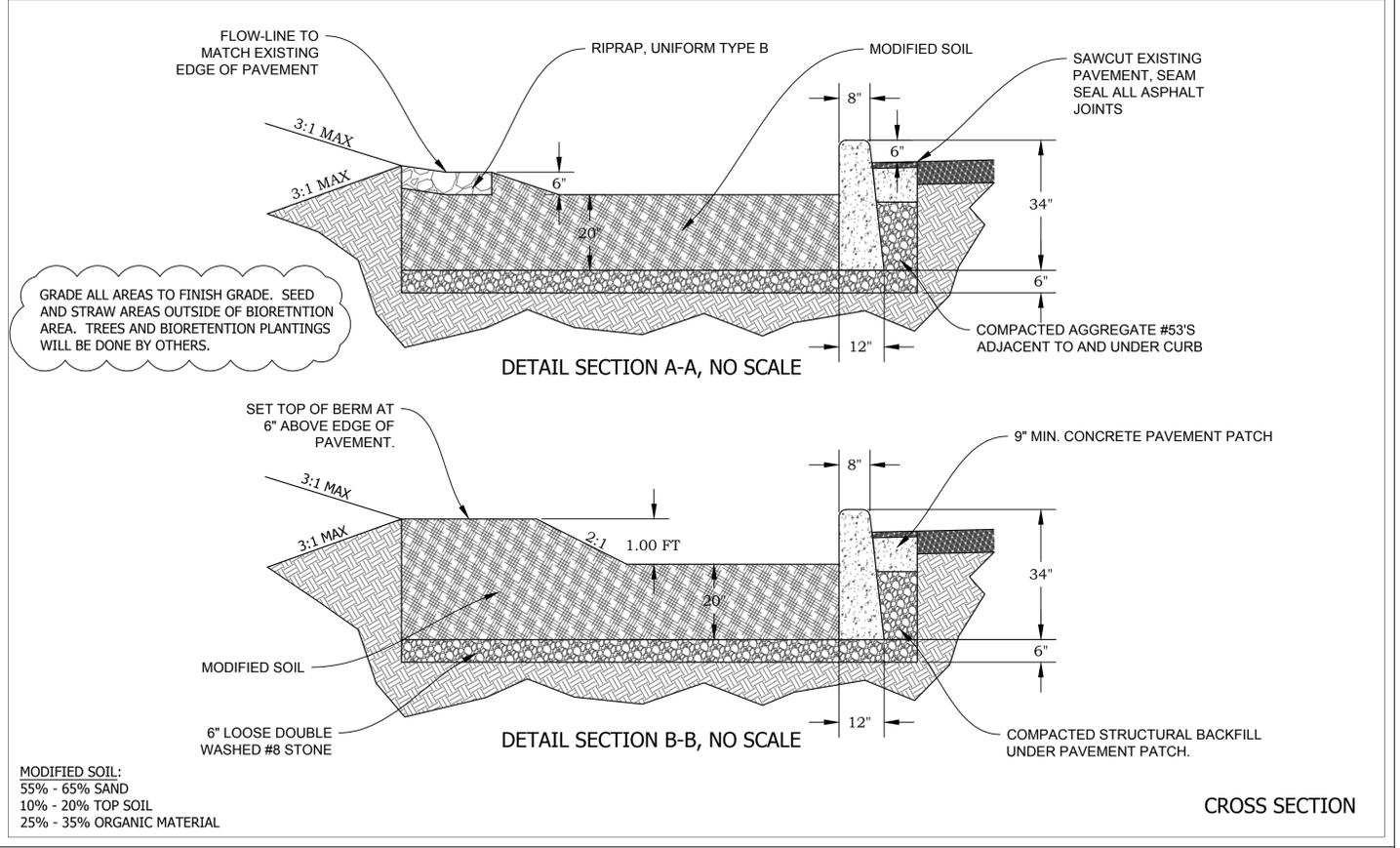
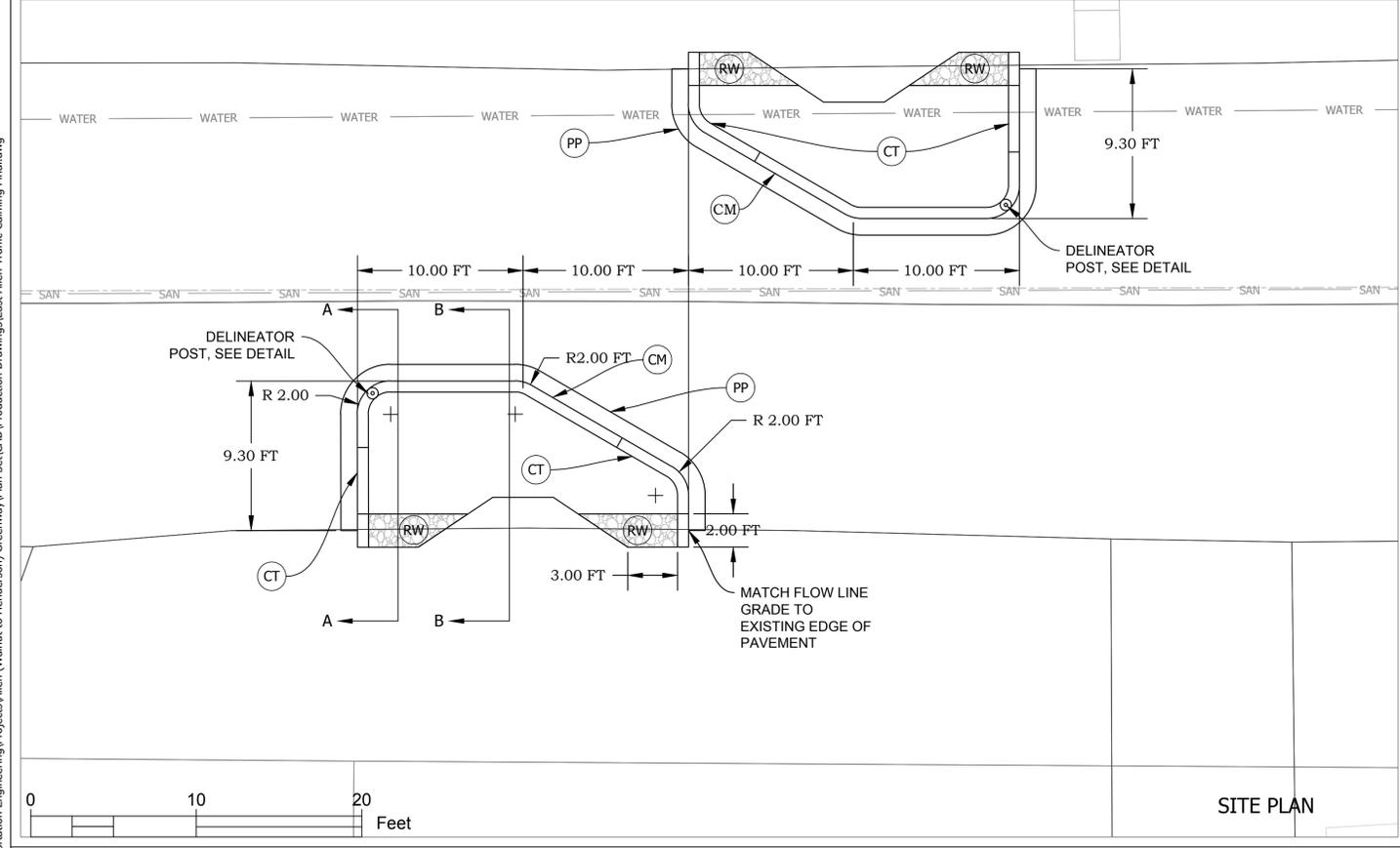
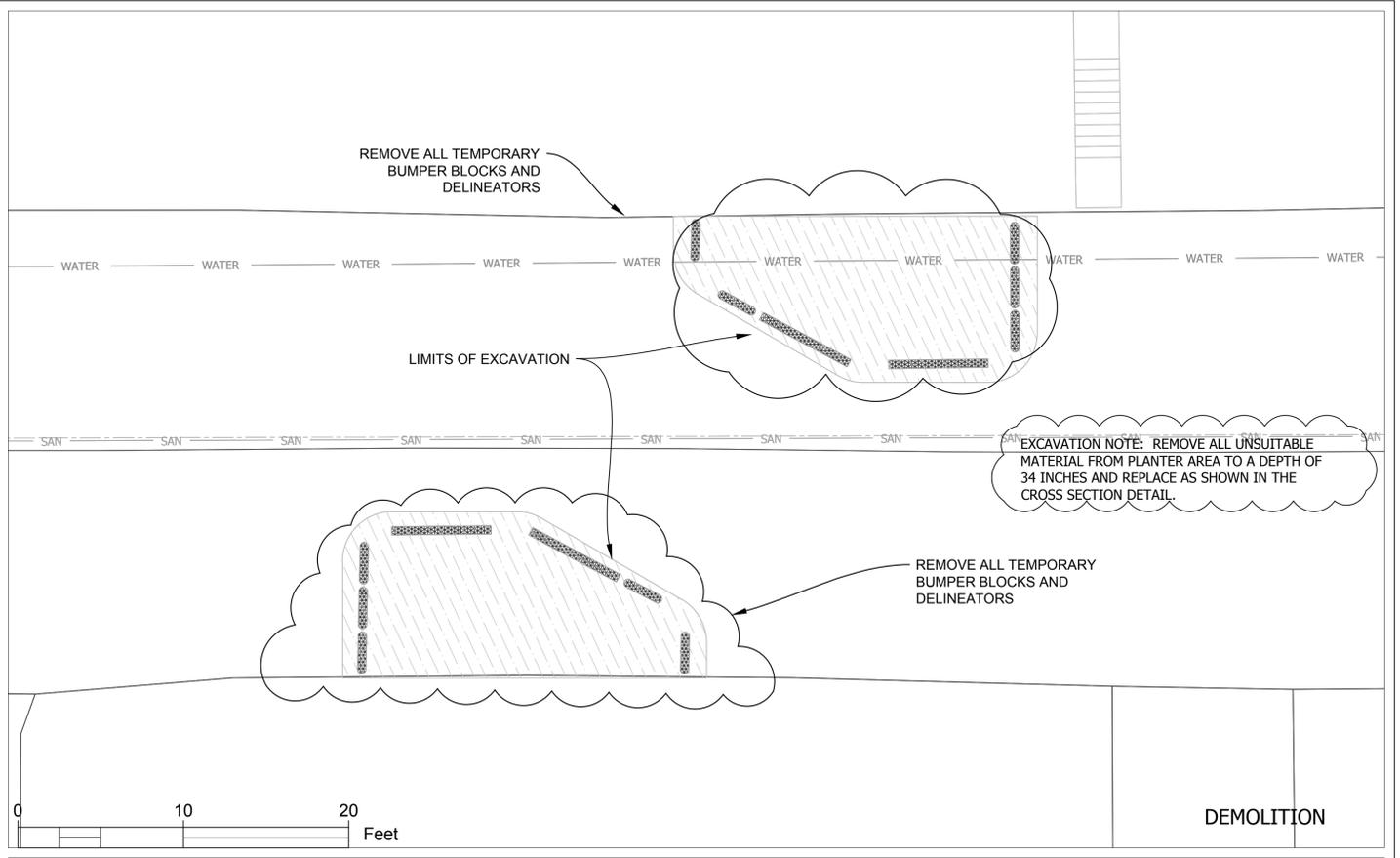
RECOMMENDED FOR APPROVAL *Neil H. Kopp* 10/27/2020  
 CITY ENGINEER DATE

DESIGNED: \_\_\_\_\_ DRAWN: REA  
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**CITY OF BLOOMINGTON  
 ENGINEERING DEPARTMENT**

EAST ALLEN STREET  
 TRAFFIC CALMING

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE
VERTICLE SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	4 of 6
	PROJECT



<p>CT 3' Curb Taper, Concrete, Modified</p> <p>RW 6" Riprap, Uniform type 'B' on Geotextile Type 1A</p>	<p>CM Standing Curb, Concrete, Modified</p> <p>PP Pavement Patch, 1 1/2" HMA Surface on 9" PCCP</p>
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<p>RECOMMENDED FOR APPROVAL</p> <p>CITY ENGINEER</p> <p>DESIGNED: _____</p> <p>CHECKED: _____</p>	<p>10/22/2020</p> <p>DATE</p> <p>DRAWN: REA</p> <p>CHECKED: _____</p>
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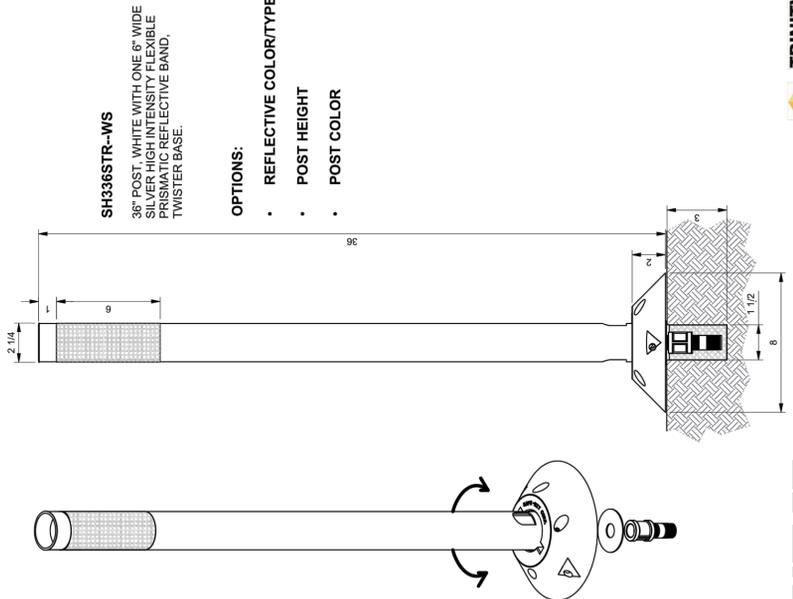
**CITY OF BLOOMINGTON ENGINEERING DEPARTMENT**

EAST ALLEN STREET TRAFFIC CALMING

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	DESIGNATION
VERTICLE SCALE	
SURVEY BOOK	SHEETS
CONTRACT	5 of 6
	PROJECT

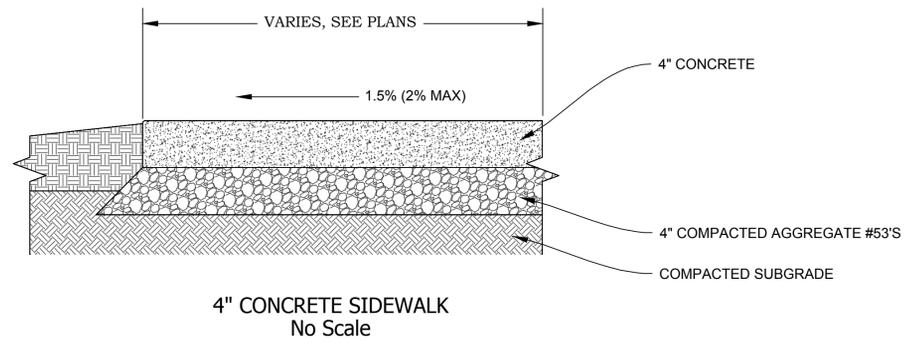


**SAFE-HIT® TYPE 3 FLEXIBLE DELINEATOR, TWISTER™ MOUNT**

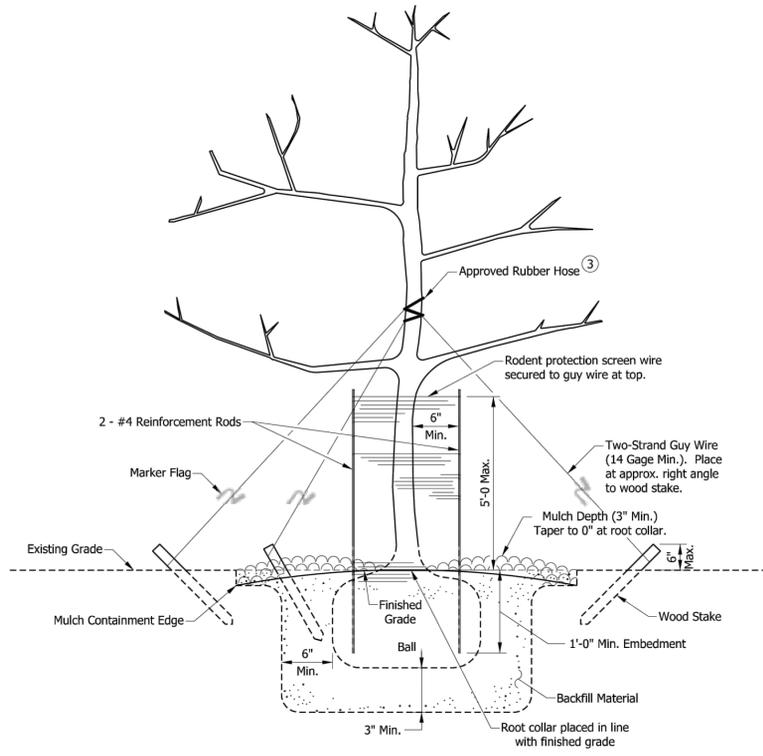


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SAFE-HIT.  
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**DELINEATOR POST (OR APPROVED EQUIVALENT)**



**4" CONCRETE SIDEWALK**  
No Scale



- NOTES:**
- This detail applies to Evergreen Trees 48 in. tall and over with exception that screen wire protection shall not be required.
  - Plastic coil type protective wrapping will be acceptable as an alternative to the screen wire and reinforcement rod method of tree protection or staked trees of less than 2 in. caliper.
  - See Standard Drawing E 622-LSPL-11 for Rubber Hose Detail.

NOTE: TREE PLANTING WILL BE DONE BY OTHERS.

NOTE: 2 IN. OR GREATER TREE REQUIRED FOR THIS PROJECT. DETAIL IS PROVIDED FOR PLANTING AND STAKING PURPOSES.

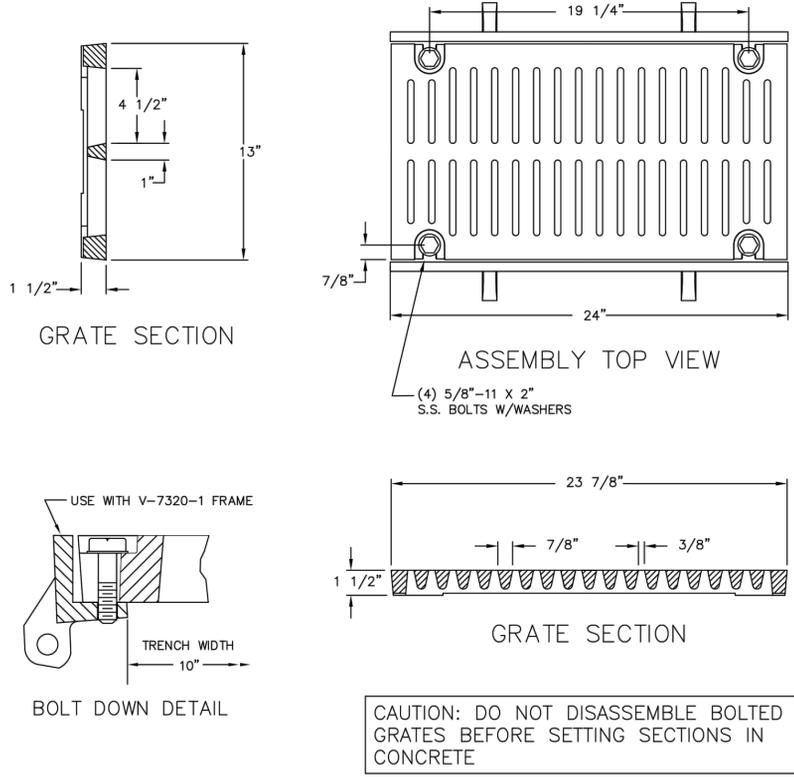
INDIANA DEPARTMENT OF TRANSPORTATION

PLANTING BALLED AND BURLAPPED TREE  
1 1/4 IN. CALIPER AND GREATER  
SEPTEMBER 2018

STANDARD DRAWING NO. E 622-LSPL-03

	/s/ Elizabeth W. Phillips	03/20/18
	DESIGN STANDARDS ENGINEER	DATE
	/s/ John Leckie	05/09/18
	CHIEF ENGINEER	DATE

**V7320-1 V7383-20 Assembly**



**Product Number**  
47383261

**Design Features**

- Materials  
Trench Rail  
Gray Iron (CL35)  
Trench Grate  
Gray Iron (CL35)

-Design Load  
Heavy Duty

-Open Area  
64 SQ. INCHES

-Coating  
Undipped

-Designates Machined Surface

**Certification**

- ASTM A48
- 
- Country of Origin: USA

**Major Components**

47320110  
47383203

**Drawing Revision**  
08/26/2006 Designer: DEW  
04/12/2012 Revised By: DJH

**Disclaimer**  
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

**CONFIDENTIAL:** This drawing is the property of EJ GROUP, Inc. and embodies confidential information, registered marks, patents, trade secret information, and/or know how that is the property of EJ GROUP, Inc. All rights reserved.

**Contact**  
800.626.4653  
ejco.com

CAUTION: DO NOT DISASSEMBLE BOLTED GRATES BEFORE SETTING SECTIONS IN CONCRETE



RECOMMENDED FOR APPROVAL *[Signature]* 10/22/2020  
CITY ENGINEER DATE

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CHECKED: \_\_\_\_\_ CHECKED: \_\_\_\_\_

**CITY OF BLOOMINGTON ENGINEERING DEPARTMENT**

EAST ALLEN STREET TRAFFIC CALMING

HORIZONTAL SCALE	BRIDGE FILE
VERTICLE SCALE	DESIGNATION
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CONTRACT	6 of 6 PROJECT