

**ADDENDUM NO. 1
TO THE
BIDDING DOCUMENTS
FOR
SOUTH WALNUT STREETScape AND STORMWATER IMPROVEMENTS
FOR THE
CITY OF BLOOMINGTON
DEPARTMENT OF PUBLIC WORKS
BLOOMINGTON INDIANA**

DATE: December 20, 2011

BIDS CLOSE: January 12, 2012 at 2:00 p.m., Local Time

TO ALL BIDDERS BIDDING ON THE ABOVE PROJECT:

All Bidders submitting a Bid on the above Contract shall carefully read this Addendum and give it consideration in the preparation of their Bid.

I. The following are revisions to Project Manual Section II Instructions to Bidders:

A. Amend paragraph 2.08 to read as follows:

2.08 Acceptance and Rejection of Bids: The Owner reserves the right to reject any and all bids. If a bid is selected for award, it will be chosen in the following manner:

- a. In the event that no bidders qualify for the "Buy Local" preference authorized in IC 5-22-15-20.9 and no adjustments are made to the bids pursuant to that statute, the award shall go to the lowest responsive and responsible bidder.
- b. In the event that one or more bidders qualify for the "Buy Local" preference authorized in IC 5-22-15-20.9, the bid(s) submitted by any qualifying bidder(s) shall be adjusted in the manner set out in IC 5-22-15-20.9, and the award shall go to the lowest responsive and responsible bidder among the adjusted and unadjusted bid.

The OWNER further reserves the right to waive irregularities or informalities in any bid. Bids received after the specified time of closing will be returned unopened. The acceptance of a bid will be a notice in writing signed by a duly authorized representative of the Board of Public works, and no other act shall constitute acceptance of a bid. The acceptance of a bid shall bind the successful Bidder to execute the Contract and to be responsible for liquidated damages as provided in Section 7.00.

II. The following are revisions to Project Manual Section III Bid Form, Unit Prices, Bidder Affidavit, Sample Bid Bond:

A. In the Bid Summary under the Streetscape Improvements portion of the project costs

1. Include Brick Pavers under the Installation of Owner furnished materials bullet item.
2. Add a new bullet item under the last one which reads
 - Excavation and Removal of 1400 CY of common excavation from beneath existing road, sidewalk, curbs, and driveway pavements within the Walnut Street right of way to achieve the proposed elevations
3. In the unit price sheet revise the description of "Curb, Concrete" to 18" Bat. Curb w/6" exposed
4. In the unit price sheet include an "X" in the box next to Electrical Service Handhole.

- B. Insert the attached "City of Bloomington Guidelines for Qualifying for Indiana Local Business Price Preference" following the Responsible Bidder Affidavit.

III. The following are revisions to Project Manual Section VIII Special Conditions:

- A. Paragraph 4 regarding material testing is modified by adding the following at the end of the existing paragraph.

"The Contractor shall obtain the approval of the City of Bloomington for the testing firm selected by the Contractor. The intent of this requirement is to assure that only qualified testing firms are employed on this project. If the City objects to a particular firm or at any time withdraws approval of a firm for cause, the Contractor shall submit another firm for approval. All testing results shall be sent to the City contact person in addition to the Contractor."

- B. Paragraph 13 regarding traffic control sequencing is hereby deleted and a new paragraph 13 is inserted as follows:

"The drawings included in the Contract A and B drawings show a suggested sequencing of traffic control which may or may not conform to the work plan or sequencing desired by the Contractor for work on both contracts. Contractor may utilize the suggested plans or shall prepare another plan better suited to his intended work plan and sequencing which shall present a similar level of detail and submit it to the City for approval. Each phase of work shall be clearly depicted in the Contractors plan and each phase shall retain at least 1 lane of thru traffic on Walnut Street at all times. Temporary traffic signals shall be provided when required for traffic control at 2nd and 3rd Streets. Street parking is to be retained only where adequate room exists, it is safe to do so, and the parking areas are not in active work areas. Traffic on Walnut Street shall retain the right of way at all times and may only be interrupted if flagmen are provided to assist with movement of construction vehicles. The Contractor shall conform to the requirements of INDOT and MUTCD for the placement and construction of all traffic control devices."

- C. Add the following paragraphs at the end of the Special Conditions

"The previous construction at the downstream connection (near station 49+60 of Line S-1 on the Contract A drawings) left in place a number of steel plates to support the existing surface improvements over sections of the existing culvert. The Contractor shall recover those steel plates during construction activities and deliver them to Crider and Crider's Bloomington yard when they are no longer needed.

The Contractors construction sequencing efforts shall include a plan to maintain sanitary sewer and water service at all times except for two outages not to exceed 4 hours duration each. Only one outage per service line per day will be permitted. The outages shall be scheduled to occur at a time which will least impact business or residents depending on the preference of the property owners. Outages may be required to be initiated as early as 6 AM and lasting till as late as 10 PM.

The bid price for this contract shall include excavation and disposal of 1400 CY of common excavation. This estimate is based on estimated earth excavation quantities that are anticipated to be required in order to achieve the proposed subgrades necessary for installation of the new pavement, sidewalks, driveways, curbs and base materials or drainage layers. This quantity does not include removal of existing pavements, sidewalks, driveways or curbs. The existing road pavement is estimated to be approximately 14" thick on average based on geotechnical information although thicker and thinner sections may exist. The Contractor is not entitled to rely on the 14" average thickness for additional payment removal compensation since it is provided for information only. The Contractor shall remove existing pavements, sidewalks, driveways or curbs where shown, including base materials, in their entirety prior to beginning to track and accumulate common

excavation quantities. The Contractor and City shall coordinate how common excavation quantities will be tracked prior to beginning excavation activities.

The Contractor shall prepare a schedule of values for both the Culvert Reconstruction portion of the work and the Streetscaping portion of the work in sufficient detail to allow the City to track the quantities expended and to utilize for pay applications. The City shall review and approve the schedule of values prior to the first pay application being accepted.

Except for concrete fill material shown on the structural drawings (Contract A "S" drawings) all other concrete materials shown or required in the plans and specifications, are intended to have a compressive strength of 4000 psi. Class A concrete may be used provided a compressive strength of 4000 psi is achieved. Concrete fill material with a compressive strength of 2000 psi may use Class B concrete or other mix design."

IV. The following are revisions to the information provided after Section X Specifications

- A. Insert the IDNR permit information attached at the end of this addendum before the Nov 29, 2011 IDNR letter regarding a waiver request for Permit FW-26310. The attached information is a complete copy of Permit FW-26310, and the email request for a waiver to Special Condition #3. The November 29, 2011 letter modifies the permit as requested in the email.

V. The following are revisions to the Drawings:

A. Contract A Drawings

1. Sheet 5, Drawing E1 is deleted and a revised Sheet 5 is attached showing the recently acquired easement from ERL-10 LLC
2. Sheet 6, Drawing L1, TBM#2 no longer exists.
3. Sheet 9, Drawing R3 is deleted and a revised Sheet 9 is attached showing the recently revised pavement removal area.
4. Sheet 17, Drawing P5, Structure 42 Rim elevation should be 733.05
5. Sheet 19, Drawing P7, Existing sanitary structure at station 51+39.10 Rim elevation should be 733.42 and the pipe size for the connection to the adjacent sanitary manhole at elevation 723.21 should be 30".
6. Sheet 25, Drawing SR1, proposed pavement R4 is revised to indicate 7" of compacted #53 aggregate.
7. Sheet 26, Drawing SR2, proposed pavement R4 is revised to indicate 7" of compacted #53 aggregate.
8. Sheet 27, Drawing SR3 is deleted and a revised Sheet 27 is attached showing the recently revised pavement replacement area.
9. Sheet 28, Drawing SR4 is deleted and a revised Sheet 28 is attached showing the recently revised pavement replacement area.
10. Sheet 29, Drawing SR5, proposed pavement R4 is revised to indicate 7" of compacted #53 aggregate.
11. Sheet 30, Drawing SR6, proposed pavement R4 is revised to indicate 7" of compacted #53 aggregate.
12. Sheet 34, Drawing M1 is deleted and a revised Sheet 34 is attached
13. Sheet 35, Drawing M2 is deleted and a revised Sheet 35 is attached
14. Sheet 41, Drawing S1 is deleted and a revised Sheet 41 is attached.

B. Contract B Drawings

1. Sheet 5, Drawing R1, pavement removal note R1 is revised to say "6.5" Avg Bituminous Over 7.5" Avg Concrete Pavement"
2. Sheet 6, Drawing R2, is deleted and a revised sheet 6 is attached.

3. Sheet 7, Drawing P1, all references to RCP pipe in the profile are deleted. (Contractor shall select pipe material per CBU Specifications and the Special Conditions.)
4. Sheet 8, Drawing P2, all references to RCP pipe in the profile are deleted. (Contractor shall select pipe material per CBU Specifications and the Special Conditions.)
5. Sheet 10, Drawing SR2, Proposed Concrete note C7 is deleted and all references to C7 on the drawing are revised to C5.
6. Sheet 13, Drawing M1 is deleted and a revised Sheet 13 is attached
7. Sheet 14, Drawing M2 is deleted and a revised Sheet 14 is attached
8. Sheet 25, Drawing CS-6 is deleted and a revised Sheet 25 is attached

III. Any revisions to any of the Contract Documents made by this Addendum shall be considered as the same revision to any and all related areas of the Contract Documents not specifically called out in this Addendum.

Prepared by

Paul Elling, P.E.
Donohue & Associates, Inc.
101 West Ohio Suite 820
Indianapolis, Indiana 46204

**CITY OF BLOOMINGTON
GUIDELINES FOR QUALIFYING FOR
INDIANA LOCAL BUSINESS PRICE PREFERENCE**

Under Indiana Code 5-22-15-20.9 regarding public purchasing of supplies, and Indiana Code 36-1-12-22 regarding public construction, a bidder/quoter can attempt to qualify as a “local Indiana business” and get preferential treatment in the bidding/quoting process. The bidder/quoter must meet **at least one** of five criteria to qualify for the preference. Bidders/quoters must submit a claim for the preference and documentation supporting that claim along with and enclosed in their sealed bid/quote. The criteria included in the statute are set out below along with the documentation that must be supplied to be considered for the preference. The “affected counties” referenced in the criteria include Monroe, Brown, Greene, Jackson, Lawrence, Morgan and Owen Counties.

Criteria for qualifying as a “local Indiana business”	Documentation required
The business’s principal “place of business” is located in an affected county	A statement identifying the location of the business’s principal “place of business” and stating the reasons the business considers the location named as the business's principal place of business.
The business pays a majority of its payroll (in dollar volume) to residents of affected counties	A statement of the amount of the business’s total payroll and the amount of the business’s payroll paid to residents of affected counties.
The business employs residents of affected counties as a majority of its employees	A statement of the number of the business’s employees and the number of the business’s employees who are residents of affected counties.
The business makes significant capital investment in the affected counties as defined in rules adopted by the political subdivision	A statement which includes (1) a description of the capital investments made in the affected counties, (2) a statement of the amount of those capital investments, and (3) an accounting of the percentage of capital investment made in Monroe County as compared to the percentage of capital investment made in the other affected counties
The business has a substantial positive economic impact on affected counties as defined in rules adopted by the political subdivision	A statement including (1) a description of the substantial positive economic impact the business has on the affected counties, and (2) a description specifically of the substantial positive economic impact the business has on Monroe County

The purchasing agency will seek a recommendation from the Economic & Sustainable Development Director, the Planning Director and the City Controller to determine whether a bidder/quoter qualifies for a local Indiana business price preference. The purchasing agency reserves the right to seek additional information and clarification from a bidder/quoter claiming the preference if it is necessary in order to determine whether the bidder/quoter qualifies for it.



STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES



**CERTIFICATE OF APPROVAL
CONSTRUCTION IN A FLOODWAY**

APPLICATION # : FW-26310

MAILED: November 07, 2011

STREAM : Clear Creek

APPLICANT : City of Bloomington Utilities Department
Jane Fleig
600 East Miller Drive
Bloomington, IN 47401-6540

AGENT : Donohue and Associates, Incorporated
Paul N Elling
101 West Ohio Street
Suite 820
Indianapolis, IN 46204-1955

AUTHORITY : IC 14-28-1 with 312 IAC 10

DESCRIPTION : The project consist primarily of rebuilding the existing stone and concrete culvert sections carrying Clear Creek (Jordan River) and Spankers Branch. The downstream end of the project connects to the recently constructed 30' by 6'-4" culvert section located just downstream of the Clear Creek (Jordan River) and Spankers Branch confluence. Peak design flows were established by the City prior to this project and identified 3000 cfs Q100 flow in the 30' section. Peak design flows for the Clear Creek (Jordan River) section conveyed by a 20' by 5' culvert section were established as 2000 cfs. The existing size is approximately 16' by 5'. Peak design flows for the Spankers Branch section conveyed by a 12 and 16' wide by 5' high culvert section were established as 1550 cfs. The existing culver section is 9 to 13' wide by 5' high and the open channel section is 12' wide. Since the culvert installation project will disturb much of the existing Walnut Street right-of-way the project also incorporates surface restoration activities that will provide a uniform Streetscape appearance. Details of the project are contained in information and plans received at the Division of Water on July 12, 2011, August 11, 2011 and October 19, 2011.

LOCATION : Between First Street and Smith Street and Walnut Street and Washington Street near Bloomington, Perry Township, Monroe County
Section 4, T 8N, R 1W, Bloomington Quadrangle
UTM Coordinates: Downstream 4334787 North, 540304 East

APPROVED BY : 
Debra K. Lowe, CFM, Environmental Manager
Division of Water

APPROVED ON : November 7, 2011

STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES

NOTICE OF RIGHT TO ADMINISTRATIVE REVIEW

APPLICATION #: FW- 26310

This signed document constitutes the issuance of a permit by the Department of Natural Resources, subject to the conditions and limitations stated on the pages entitled "General Conditions" and "Special Conditions".

The permit or any of the conditions or limitations which it contains may be appealed by applying for administrative review. Such review is governed by the Administrative Orders and Procedures Act, IC 4-21.5, and the Department's rules pertaining to adjudicative proceedings, 312 IAC 3-1.

In order to obtain a review, a written petition must be filed with the Division of Hearings within 18 days of the mailing date of this notice. The petition should be addressed to:

Mr. Stephen L. Lucas, Director
Division of Hearings
Indiana Government Center North, Room N501A
100 North Senate Avenue
Indianapolis, Indiana 46204

The petition must contain specific reasons for the appeal and indicate the portion or portions of the permit to which the appeal pertains.

If an appeal is filed, the final agency determination will be made by the Natural Resources Commission following a legal proceeding conducted before an Administrative Law Judge. The Department of Natural Resources will be represented by legal counsel.

**STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES**

GENERAL CONDITIONS

APPLICATION #: FW- 26310

- (1) If any archaeological artifacts or human remains are uncovered during construction, federal law and regulations (16 USC 470, et seq.; 36 CFR 800.11, et al) and State Law (IC 14-21-1) require that work must stop and that the discovery must be reported to the Division of Historic Preservation and Archaeology within 2 business days.

Division of Historic Preservation and Archaeology
Room W274
402 West Washington Street
Indianapolis, IN 46204

Telephone: (317) 232-1646, FAX: (317) 232-8036

- (2) This permit must be posted and maintained at the project site until the project is completed.
- (3) This permit does not relieve the permittee of the responsibility for obtaining additional permits, approvals, easements, etc. as required by other federal, state, or local regulatory agencies. These agencies include, but are not limited to:

<u>Agency</u>	<u>Telephone Number</u>
Monroe County Drainage Board	(812) 349-2570
US Army Corps of Engineers, Louisville District	(502) 315-6686
Indiana Department of Environmental Management	(317) 233-8488 or (800) 451-6027
Local city or county planning or zoning commission	

- (4) This permit must not be construed as a waiver of any local ordinance or other state or federal law.
- (5) This permit does not relieve the permittee of any liability for the effects which the project may have upon the safety of the life or property of others.
- (6) This permit may be revoked by the Department of Natural Resources for violation of any condition, limitation or applicable statute or rule.
- (7) This permit shall not be assignable or transferable without the prior written approval of the Department of Natural Resources. To initiate a transfer contact:

Mr. Michael W. Neyer, PE, Director
Division of Water
Room W264
402 West Washington Street
Indianapolis, IN 46204

Telephone: (317) 232-4160, Toll Free: (877) 928-3755
FAX: (317) 233-4579

- (8) The Department of Natural Resources shall have the right to enter upon the site of the permitted activity for the purpose of inspecting the authorized work.
- (9) The receipt and acceptance of this permit by the applicant or authorized agent shall be considered as acceptance of the conditions and limitations stated on the pages entitled "General Conditions" and "Special Conditions".

**STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES**

SPECIAL CONDITIONS

APPLICATION #: FW- 26310

PERMIT VALIDITY : This permit is valid for 24 months from the "Approved On" date shown on the first page. If work has not been initiated by November 07, 2013 the permit will become void and a new permit will be required in order to continue work on the project.

This permit becomes effective 18 days after the "MAILED" date shown on the first page. If both a petition for review and a petition for a stay of effectiveness are filed before this permit becomes effective, any part of the permit that is within the scope of the petition for stay is stayed for an additional 15 days.

CONFORMANCE : Other than those measures necessary to satisfy the "General Conditions" and "Special Conditions", the project must conform to the information received by the Department of Natural Resources on: July 12, 2011, August 11, 2011 and October 19, 2011. Any deviation from the information must receive the prior written approval of the Department.

Number	Special Condition
(1)	revegetate all bare and disturbed areas with a mixture of grasses (excluding all varieties of tall fescue) and legumes as soon as possible upon completion; low endophyte tall fescue may be used in the ditch bottom and side slopes only
(2)	minimize and contain within the project limits inchannel disturbance and the clearing of trees and brush
(3)	do not work in the waterway from April 1 through June 30 without the prior written approval of the Division of Fish and Wildlife
(4)	do not cut any trees suitable for Indiana bat roosting (greater than 3 inches dbh, living or dead, with loose hanging bark) from April 1 through September 30
(5)	appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the stream or leaving the construction site; maintain these measures until construction is complete and all disturbed areas are stabilized
(6)	seed and protect disturbed banks and slopes that are 3:1 or steeper with heavy duty erosion control blankets (follow manufacturer's recommendation for installation); seed and apply mulch on all other disturbed areas
(7)	except for the material used as backfill as shown on the above referenced project plans on file at the Division of Water, place all excavated material landward of the floodway *
(8)	do not leave felled trees, brush, or other debris in the floodway *
(9)	upon completion of the project, remove all construction debris from the floodway *
(10)	keep all/the culvert waterway opening(s) within the scope of this project free of debris and sediment at all times

STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES

SERVICE LIST

APPLICATION #: FW- 26310

City of Bloomington Utilities Department
Jane Fleig
600 East Miller Drive
Bloomington, IN 47401-6540

Donohue and Associates, Incorporated
Paul N Elling
101 West Ohio Street
Suite 820
Indianapolis, IN 46204-1955

349 South College LLC
345 South College, #103
Bloomington, IN 47403

Bartlett Trust
430 South Washington Street
Bloomington, IN 47401

Big Red Corporate
Mark McAlister
PO Box 2209
Bloomington, IN 47402

Bigo Properties LLC
115 East 6th Street, Suite 1
Bloomington, IN 47408

Bloomington Plan Commission
Municipal Building
Box 100
Bloomington, IN 47401

Bob Bland Enterprise LLC
Bob Bland
700 South Ransom Lane
Bloomington, IN 47403

Bobbys Development LLC
1635 North College Avenue
Bloomington, IN 47404

College Park Holdings LLC
Trent Jones
407 South College Avenue
Bloomington, IN 47408

CTB Investments
Jason Beard
116 South Madison, Suite A
Bloomington, IN 47404

ERL 10 LLC
Elliot Lewis
601 North College Avenue, Suite 1A
Bloomington, IN 47404

Greg Hill
424 South Walnut Street
Bloomington, IN 47401

Indiana Department of Natural Resources
Jason Lee
Division of Law Enforcement
District 6 Headquarters
PO Box 266
Nashville, IN 47448

Jeff Jones
668 South College Avenue
Bloomington, IN 47403

Tariq Kahn
1019 East 1st Street
Bloomington, IN 47401

Keeler Family Trust
James Keeler
15822 Plymouth Lane
Huntington Beach, CA 93647

Mar-Jel Corporation
3306 Gosport Court
Bloomington, IN 47401

Doran May
3543 Covenant Drive
Bloomington, IN 47401

John and Elaine Mellencamp
5087 West Lower Schooner Road
Nashville, IN 47448

Monroe County Drainage Board
County Surveyor
Health Services Building 2nd Floor
119 West 7th Street
Bloomington, IN 47404-3989

Monroe County SWCD
Martha Miller
1931 South Liberty Drive
Bloomington, IN 47403

Nonte and May Rentals LLC
1534 North State Road 43
Bloomfield, IN 47424

Penny Marsha 2004 Trust
Mason and Christine Saloni
PO Box 769
Bella Vista, CA 96008

Platinum Development LLC
Trent Jones
407 South College Avenue
Bloomington, IN 47408

Sahara Mart
Javad Noorihoseini
106 East 2nd Street
Bloomington, IN 47402

Jose and Leticia Salazar
7951 North Thames Drive
Bloomington, IN 47408

Stahl Properties
Phyllis Stahl
9625 West Marshall Drive
Columbus, IN 47201

Peggy and Dennis Stalter
PO Box 4
Unionville, IN 47468

Taylor and Nonte Apartments LLC
1534 North State Road 43
Bloomfield, IN 47424

TDDM LLC
437 South College
Bloomington, IN 47403

Ms. Linda P Thompson
Senior Environmental Planner
Showers Center City Hall, Suite 160
PO Box 100
Bloomington, IN 47402

US Army Corps of Engineers, Louisville District
Jim Townsend
PO Box 59
Louisville, KY 40201-0059

STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES

SERVICE LIST

APPLICATION #: FW- 26310

Staff Assignment:

Administrative	: Debra K. Lowe, CFM
Technical	: Debra K. Lowe, CFM
Environmental	: J. Matthew Buffington
Fish and Wildlife	: Daniel Gautier

Elling, Paul

From: Elling, Paul
Sent: Monday, November 28, 2011 3:28 PM
To: 'mbuffington@dnr.in.gov'
Cc: Matt Smethurst; 'Jane Fleig'
Subject: Permit FW 26310 Fish and Wildlife Waiver for Special Condition #3

Matthew,

Per our discussion this morning and early afternoon I am requesting that Special condition #3 which prohibits work within the waterways between April 1 and June 30 be revised and limited to only include the portion of the project which includes existing open channel areas (generally located between station 58 and 61 of Line S-2, rear of Players pub building to center of Smith Avenue) and then north to station 61+79 on Line S-1 (approx 55 ft north of Smith Ave centerline). Within this open channel area no work will be permitted to occur during the April 1 to June 30 time period. All other portions of the project which include replacement and enlargement of the existing culverts enclosing the Spankers Branch and the Jordan River (aka Clear Creek) waterways will be allowed to proceed without the date limitations identified in Special Condition #3.

Please provide the waiver letter to myself as well as the Bloomington staff included in this email documenting permission to proceed with the project based on the above understanding.

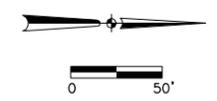
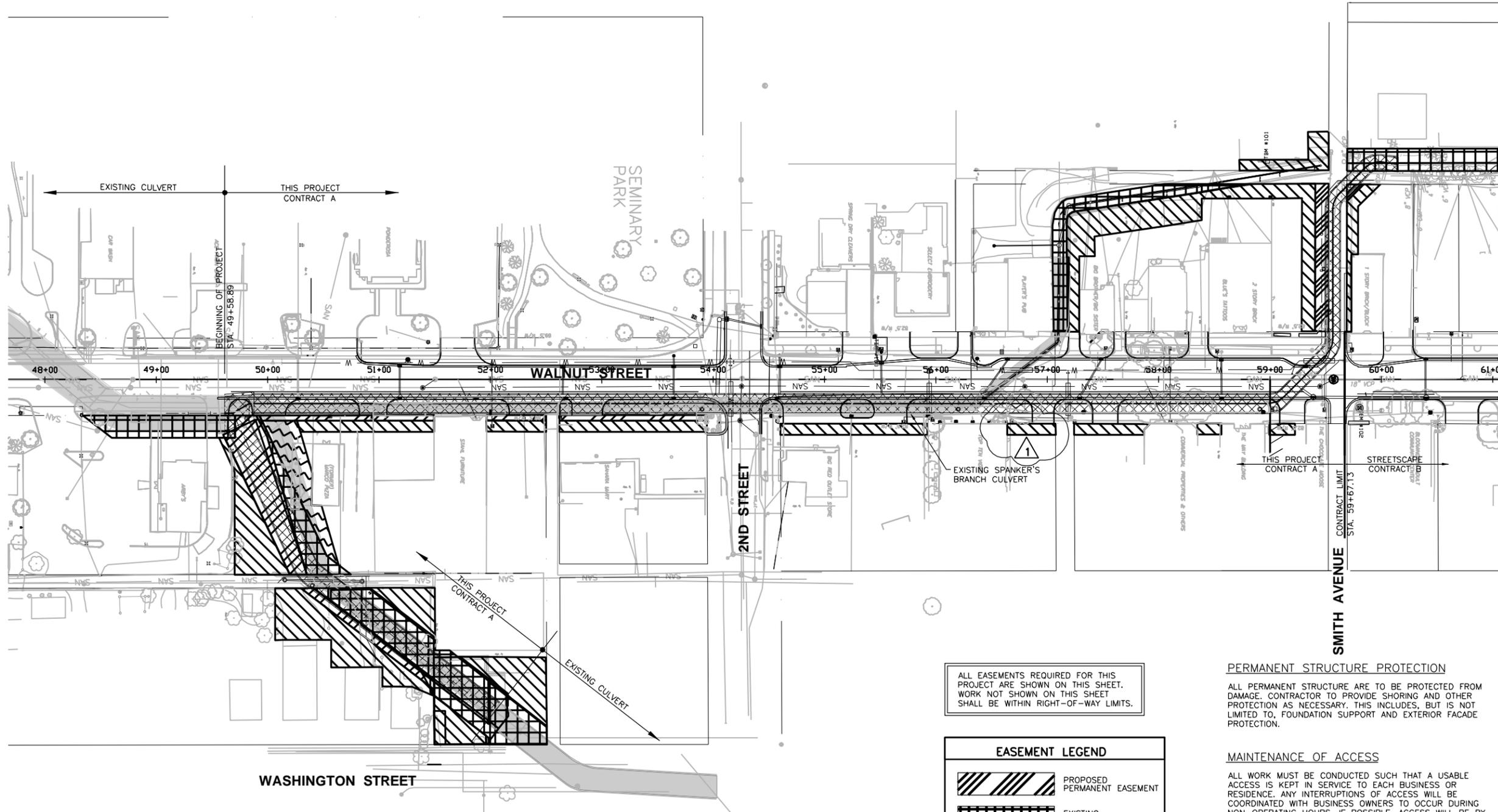
Please contact me if you have any questions.

Paul Elling, P.E.
Senior Civil Engineer



Donohue & Associates, Inc.
101 West Ohio Street, Suite 820
Indianapolis, IN 46204
Office: (317) 267-8200

email: pelling@donohue-associates.com
<http://www.donohue-associates.com>



ALL EASEMENTS REQUIRED FOR THIS PROJECT ARE SHOWN ON THIS SHEET. WORK NOT SHOWN ON THIS SHEET SHALL BE WITHIN RIGHT-OF-WAY LIMITS.

EASEMENT LEGEND	
	PROPOSED PERMANENT EASEMENT
	EXISTING PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT
	EXISTING EASEMENT RETURNED TO PROPERTY OWNER
	EXISTING TUNNELS

PERMANENT STRUCTURE PROTECTION

ALL PERMANENT STRUCTURE ARE TO BE PROTECTED FROM DAMAGE. CONTRACTOR TO PROVIDE SHORING AND OTHER PROTECTION AS NECESSARY. THIS INCLUDES, BUT IS NOT LIMITED TO, FOUNDATION SUPPORT AND EXTERIOR FACADE PROTECTION.

MAINTENANCE OF ACCESS

ALL WORK MUST BE CONDUCTED SUCH THAT A USABLE ACCESS IS KEPT IN SERVICE TO EACH BUSINESS OR RESIDENCE. ANY INTERRUPTIONS OF ACCESS WILL BE COORDINATED WITH BUSINESS OWNERS TO OCCUR DURING NON-OPERATING HOURS. IF POSSIBLE, ACCESS WILL BE BY TEMPORARY SIDEWALKS OR RAILED WALKWAYS IF NECESSARY, IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES.

EASEMENT DOCUMENTS

EASEMENTS SHOWN ON THIS DRAWING ARE A COMPILATION OF THE EASEMENTS ANTICIPATED TO BE GRANTED BY THE VARIOUS PROPERTY OWNERS. CONTRACTOR SHALL REFER TO THE RECORDED EASEMENT DOCUMENTS AVAILABLE FOR THE OWNER FOR EXACT DIMENSIONS, AND LIMITS OF EASEMENTS ACQUIRED FOR THIS PROJECT AND FOR ANY SPECIAL CONSIDERATIONS AND REQUIREMENTS INCLUDED WITH THE EASEMENTS AS A CONDITION OF THE EASEMENT GRANT.

Revision Number	1	ADDENDUM 1			
Revision Description					
Drawn By	PNE				
Checked By	PNE				
Date	12-20-11				
Designed By	KHC				
Drawn By	HFF				
Checked By	TJM				
Approved By	PNE				
Filename	246E1-L1.DWG				
Project No.	11340&11721				
Project Date	12/2/11				



CITY OF BLOOMINGTON
 JORDAN RIVER AND LOWER SPANKERS STORM CULVERT
 RECONSTRUCTION AND STREETScape - CONTRACT A
 BLOOMINGTON, INDIANA

EASEMENT AND PROPERTY USE PLAN



Sheet No.	5
Drawing No.	E1

GENERAL NOTES:

- CONTRACTOR SHALL REMOVE BITUMINOUS, CONCRETE, BRICK, STONE, EARTH TIMBERS, TRACKS, AND OTHER MATERIALS WHICH MAY EXIST IN OR BENEATH PAVEMENTS, CURBS, DRIVES AND WALKWAYS TO THE EXTENT NECESSARY TO ALLOW THE FULL DEPTH CONSTRUCTION OF THE PROPOSED BASE AND SUBBASE LAYERS AT NO ADDITIONAL COST TO THE OWNER. THE EXISTING PAVEMENT DEPTHS (WHERE INDICATED) ARE AVERAGE VALUES BASED ON SOIL BORING AND PAVEMENT CORE INFORMATION AVAILABLE TO THE ENGINEER. ACTUAL DEPTHS AND MATERIALS MAY VARY FROM THE AVERAGE VALUES. THE CONTRACTOR IS NOT ENTITLED TO RELY SOLELY ON THE INDICATED DEPTHS AND MATERIALS AND SHALL MAKE HIS OWN DETERMINATION REGARDING THE ACTUAL REMOVAL QUANTITIES AND MATERIALS TO BE REMOVED.
- WATER AND SEWER SERVICE LINES WHICH ARE REPLACED WITH NEW SERVICE LINES ARE TO BE ABANDONED/REMOVED AS REQUIRED. PLUG ENDS OF SERVICE LINES ABANDONED IN PLACE. REMOVE ABANDONED METER PITS AND METERS.
- REMOVE ALL UTILITY CASTINGS FOR UTILITY LINES WHICH ARE TO BE ABANDONED.

CONCRETE REMOVALS

- C1 CONCRETE CURB AND GUTTER
- C2 CONCRETE PLANTER
- C3 CONCRETE ADA RAMP
- C4 CONCRETE SIDEWALK
- C5 CONCRETE DRIVEWAY/PARKING LOT ENTRANCE

MISCELLANEOUS REMOVALS

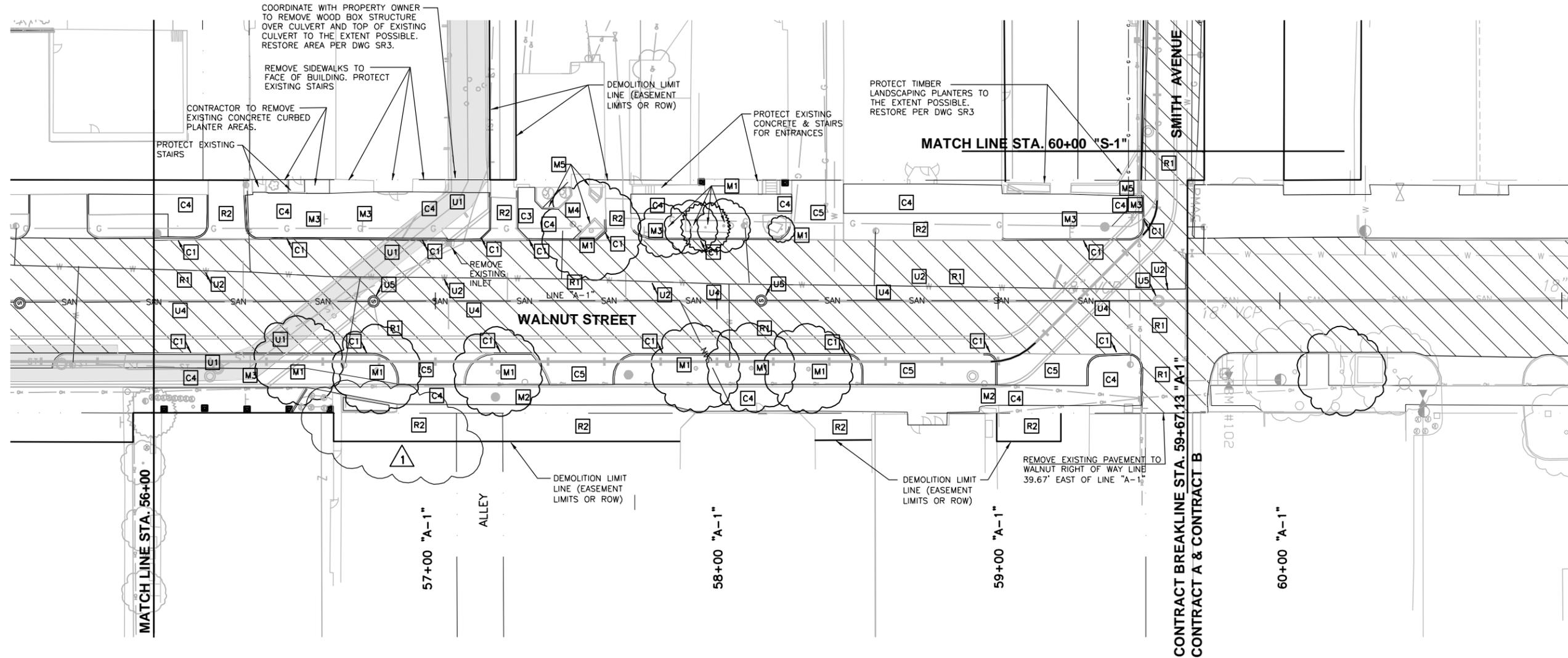
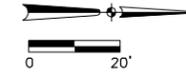
- M1 EXISTING TREE
- M2 EXISTING POLE REMOVED BY DUKE
- M3 REMOVE/REPLACE EXISTING SIGN
- M4 BRICK PAVED SIDEWALK
- M5 WOOD PLANTER

PAVEMENT REMOVALS

- R1 6.5" AVG BITUMINOUS OVER 7.5" AVG CONCRETE PAVEMENT
- R2 REMOVE BITUMINOUS DRIVEWAY/PARKING LOT TO EASEMENT OR RIGHT OF WAY LINE

UTILITY REMOVALS

- U1 EXISTING CULVERT REMOVAL OR ABANDONMENT AS REQUIRED
- U2 WATERMAIN REMOVAL/ABANDONMENT AS REQUIRED
- U3 WATERMAIN STRUCTURES (VALVES, METER PITS, ETC)
- U4 SANITARY SEWER REMOVAL/ABANDONMENT AS REQUIRED
- U5 SANITARY MANHOLES REMOVAL/ABANDONMENT AS REQUIRED



Revision Number	Revision Description	Drawn By	Checked By	Date
1	ADDENDUM 1	PNE	PNE	12-20-11

Designed By	BDB
Drawn By	BDB
Checked By	TJM
Approved By	PNE
Filename	246CR1.DWG
Project No.	11340&11721
Project Date	12/2/11

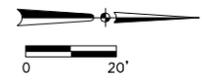


CITY OF BLOOMINGTON
 JORDAN RIVER AND LOWER SPANKERS STORM CULVERT
 RECONSTRUCTION AND STREETSCAPE - CONTRACT A
 BLOOMINGTON, INDIANA

**PLAN VIEW
 REMOVALS**



Sheet No. 9
 Drawing No.



PROPOSED MISCELLANEOUS CONCRETE

- (C1) CONCRETE SIDEWALK, 4" PER MISCELLANEOUS DETAILS (ADJUST GRADE AT DRIVEWAYS TO MATCH DRIVEWAY GRADES)
- (C2) CONCRETE COMBINED CURB AND GUTTER, 2' WIDTH
- (C3) CONCRETE COMBINED DEPRESSED CURB AND GUTTER, 2' WIDTH
- (C4) PCCP FOR APPROACHES
- (C5) CONCRETE BARRIER CURB, 6" WIDTH (DEPRESS AT SIDEWALK LOCATIONS)
- (C6) CONCRETE ADA RAMP

PROPOSED PAVING

- (R1) 10" CONCRETE PAVEMENT OVER 6" #53 COMPACTED AGGREGATE. REFER TO PJ DRAWINGS FOR JOINTING PATTERN
- (R2) 12" #53 COMPACTED AGGREGATE
- (R3) NOT USED
- (R4) 1.5" BITUMINOUS SURFACE, 2.5" BITUMINOUS BINDER OVER 7" #53 COMPACTED AGGREGATE (PARKING AREA PAVING)

MISCELLANEOUS

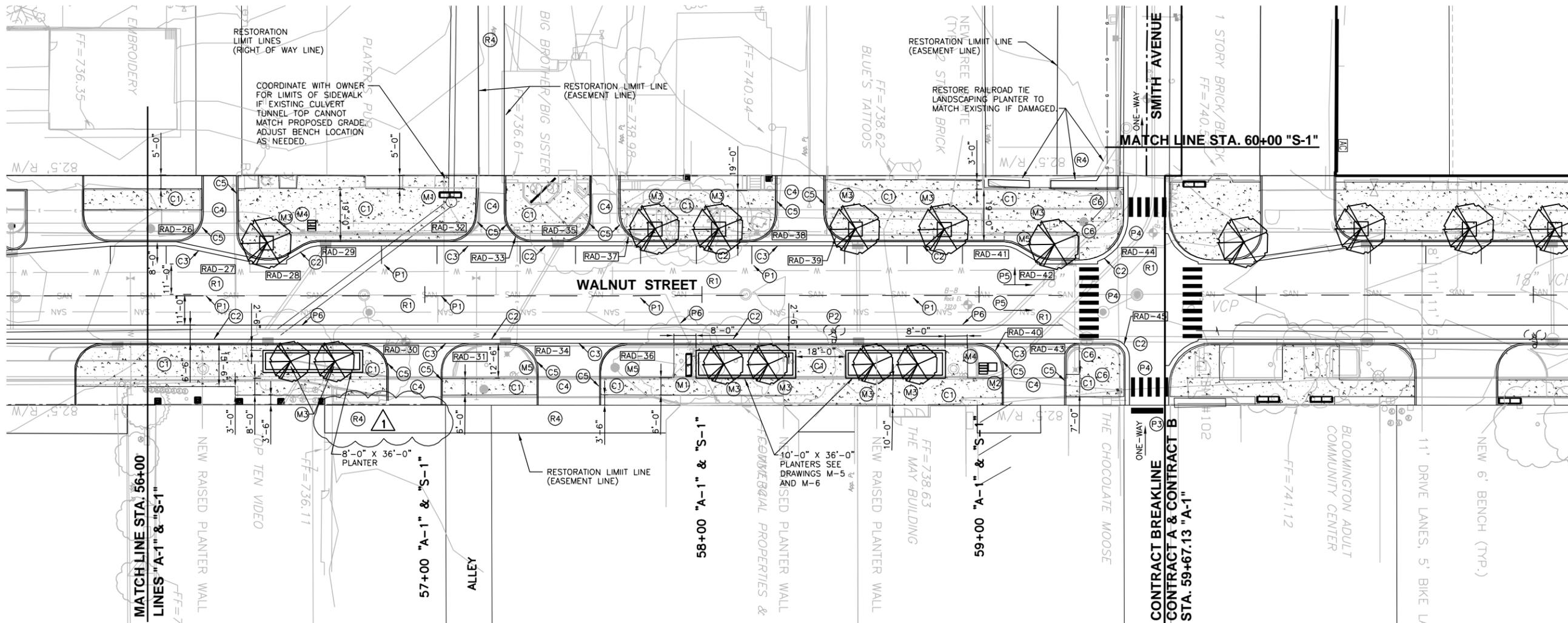
- (M1) BENCH
- (M2) TRASH RECEPTACLE
- (M3) PROPOSED TREE
- (M4) BIKE LOOPS
- (M5) SODDING
- (M6) TOPSOIL, SEED AND MULCH

PROPOSED PAVEMENT MARKINGS

- (P1) PAVEMENT MARK, 4" SINGLE WHITE SKIP DASH THERMOPLASTIC LINE
- (P2) PAVEMENT MARK, BICYCLE SYMBOL (WHITE)
- (P3) PAVEMENT MARK, 24" SINGLE WHITE THERMOPLASTIC LINE
- (P4) PAVEMENT MARK, 18" WHITE THERMOPLASTIC LINES @ 36" CENTERS
- (P5) PAVEMENT MARK, THERMOPLASTIC LANE INDICATION ARROW
- (P6) PAVEMENT MARK, 6" SINGLE WHITE SOLID THERMOPLASTIC LINE

GENERAL NOTES:

1. ALL DIMENSIONS REFERENCING CURBLINE ARE TO THE FACE OF CURB EXCEPT FOR DRIVING LANE DIMENSIONS WHICH ARE TO THE EDGE OF THE GUTTER.
2. ALL PLANTER DIMENSIONS ARE TO THE OUTSIDE FACE OF THE PLANTER.
3. ALL DIMENSIONS ARE BASED ON THE ROW WIDTH. SOME BUILDINGS MAY NOT BE AT THE ROW LINE. ADJUST FEATURE DIMENSIONS TO MATCH BUILDING FACES.
4. ALL RADIUS POINTS REFER TO LINE "A-1"
5. ADJUST SIDEWALK GRADES AT ALL DRIVEWAY LOCATIONS TO SLOPE TO DRIVEWAY ELEVATION. SIDEWALK RAMP MAY BE REQUIRED BUT ARE NOT SHOWN ON THE PLANS. A SLOPE NO MORE THAN OF 12:1 IS TO BE USED.
6. ADJUST ALL EXISTING UTILITY CASTINGS WHICH ARE TO REMAIN IN SERVICE TO FINAL GRADE.



CURB NO.	RADIUS	STARTING STATION	ENDING STATION	CURB NO.	RADIUS	STARTING STATION	ENDING STATION	CURB NO.	RADIUS	STARTING STATION	ENDING STATION
RAD-26	10.0	56+10.17, 19.00 LT	56+20.17, 29.00, LT	RAD-36	10.0	57+63.01, 27.50 RT	57+73.01, 17.50 RT	RAD-46	10.0	59+68.22, 32.50 RT	59+83.22, 17.50 RT
RAD-27	10.0	56+32.18, 22.50 LT	56+42.18, 12.50 LT	RAD-37	10.0	57+70.05, 29.00 LT	57+80.05, 19.00 LT	RAD-47	15.0	59+68.67, 27.50 LT	59+83.67, 12.50 LT
RAD-28	10.0	56+44.68, 12.50 LT	56+49.68, 13.84 LT	RAD-38	10.0	58+17.06, 19.00 LT	58+27.06, 29.00 LT				
RAD-29	10.0	56+56.30, 17.66 LT	56+61.30, 19.00 LT	RAD-39	10.0	58+44.06, 29.00 LT	58+54.06, 19.00 LT				
RAD-30	10.0	56+76.83, 17.50 RT	56+86.83, 27.50 RT	RAD-40	10.0	58+98.86, 17.50 RT	59+08.86, 27.50 RT				
RAD-31	10.0	57+05.82, 27.50 RT	57+15.82, 17.50 RT	RAD-41	10.0	59+09.14, 19.00 LT	59+14.14, 17.66 LT				
RAD-32	10.0	57+08.72, 19.00 LT	57+18.72, 29.00 LT	RAD-42	10.0	59+20.76, 13.84 LT	59+25.76, 12.50 LT				
RAD-33	10.0	57+28.72, 29.00 LT	57+38.72, 19.00 LT	RAD-43	5.0	59+30.86, 22.50 RT	59+35.86, 17.50 RT				
RAD-34	10.0	57+31.00, 17.50 RT	57+41.00, 27.50 RT	RAD-44	15.0	59+37.18, 12.50 LT	59+52.18, 27.50 LT				
RAD-35	10.0	57+50.05, 19.00 LT	57+60.05, 29.00 LT	RAD-45	5.0	59+47.72, 17.50 RT	59+52.72, 22.50 RT				

Date	12-20-11
Checked By	PNE
Drawn By	PNE
Revision Description	ADDENDUM 1
Revision Number	1
Designed By	BDB
Drawn By	BDB
Checked By	TJM
Approved By	PNE
Filename	246SR1.DWG
Project No.	11340&11721
Project Date	12/2/11



CITY OF BLOOMINGTON
 JORDAN RIVER AND LOWER SPANKERS STORM CULVERT
 RECONSTRUCTION AND STREETSCAPE - CONTRACT A
 BLOOMINGTON, INDIANA

SURFACE RESTORATION PLAN



PROPOSED MISCELLANEOUS CONCRETE

- (C1) CONCRETE SIDEWALK, 4" PER MISCELLANEOUS DETAILS (ADJUST GRADE AT DRIVEWAYS TO MATCH DRIVEWAY GRADES)
- (C2) CONCRETE COMBINED CURB AND GUTTER, 2' WIDTH
- (C3) CONCRETE COMBINED DEPRESSED CURB AND GUTTER, 2' WIDTH
- (C4) PCCP FOR APPROACHES
- (C5) CONCRETE BARRIER CURB, 6" WIDTH (DEPRESS AT SIDEWALK LOCATIONS)
- (C6) CONCRETE ADA RAMP

PROPOSED PAVING

- (R1) 10" CONCRETE OVER 6" #53 COMPACTED AGGREGATE. REFER TO PJ DRAWINGS FOR JOINTING PATTERN
- (R2) 12" #53 COMPACTED AGGREGATE
- (R3) NOT USED
- (R4) 1.5" BITUMINOUS SURFACE, 2.5" BITUMINOUS BINDER OVER 7" #53 COMPACTED AGGREGATE (PARKING AREA PAVING)
- (R5) 1.5" BITUMINOUS SURFACE, 2.5" BITUMINOUS BINDER, 8" BITUMINOUS BASE, OVER 6" #53 COMPACTED AGGREGATE
- (R6) 1.5" BITUMINOUS SURFACE PER EASEMENT AGREEMENT

MISCELLANEOUS

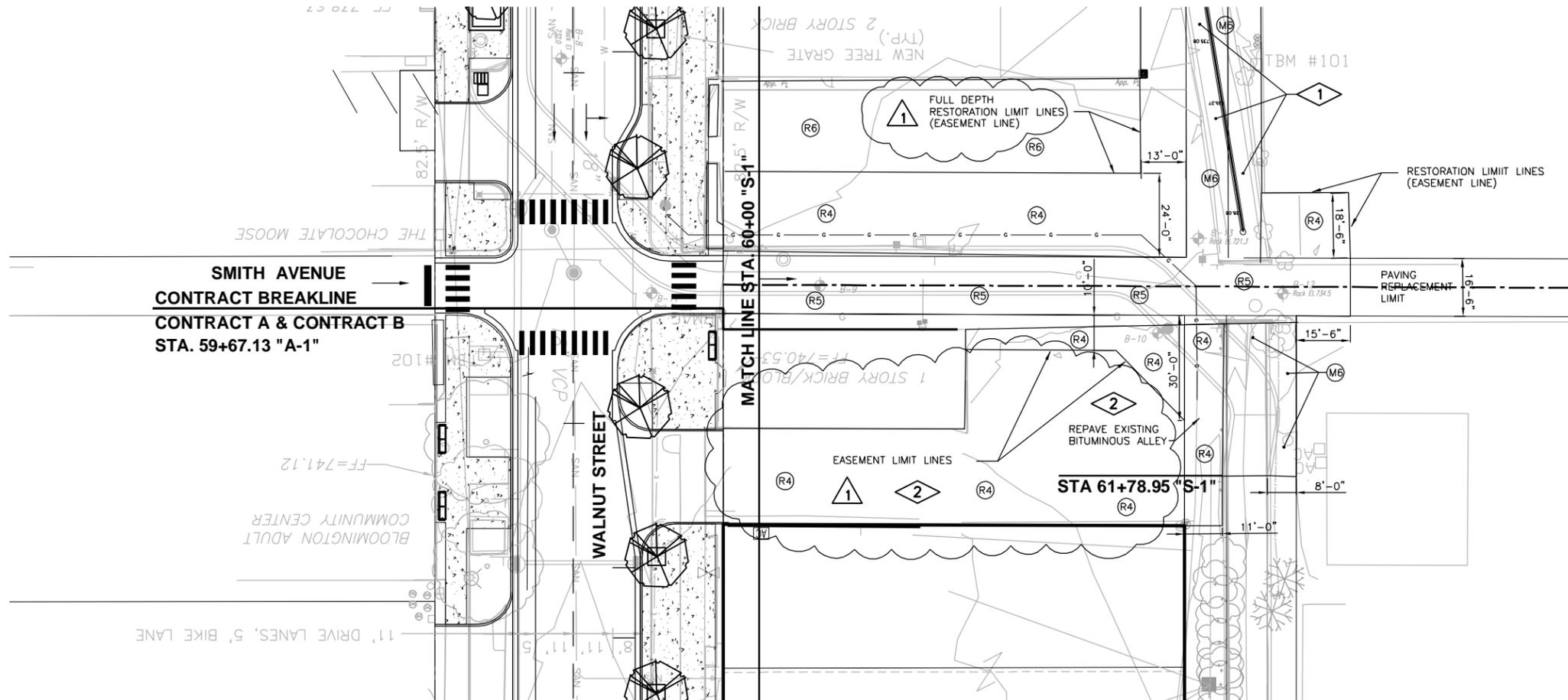
- (M1) BENCH
- (M2) TRASH RECEPTACLE
- (M3) PROPOSED TREE
- (M4) BIKE LOOPS
- (M5) SODDING
- (M6) TOPSOIL, SEED AND MULCH

PROPOSED PAVEMENT MARKINGS

- (P1) PAVEMENT MARK, 4" SINGLE WHITE SKIP DASH THERMOPLASTIC LINE
- (P2) PAVEMENT MARK, BICYCLE SYMBOL (WHITE)
- (P3) PAVEMENT MARK, 24" SINGLE WHITE THERMOPLASTIC LINE
- (P4) PAVEMENT MARK, 18" WHITE THERMOPLASTIC LINES @ 36" CENTERS
- (P5) PAVEMENT MARK, THERMOPLASTIC LANE INDICATION ARROW
- (P6) PAVEMENT MARK, 6" SINGLE WHITE SOLID THERMOPLASTIC LINE

GENERAL NOTES:

1. ALL DIMENSIONS REFERENCING CURBLINE ARE TO THE FACE OF CURB EXCEPT FOR DRIVING LANE DIMENSIONS WHICH ARE TO THE EDGE OF THE GUTTER.
2. ALL PLANTER DIMENSIONS ARE TO THE OUTSIDE FACE OF THE PLANTER.
3. ALL DIMENSIONS ARE BASED ON THE ROW WIDTH. SOME BUILDINGS MAY NOT BE AT THE ROW LINE. ADJUST FEATURE DIMENSIONS TO MATCH BUILDING FACES.
4. ALL RADIUS POINTS REFER TO LINE "A-1".
5. ADJUST ALL EXISTING UTILITY CASTINGS WHICH ARE TO REMAIN IN SERVICE TO FINAL GRADE.



PLAN NOTES:

1. FILL UPPER 2 FT VOID WHERE STONE CULVERT WALL WAS REMOVED AND AND FILL OPEN CHANNEL WITH GRANULAR MATERIAL COMPACTED TO 100% STD PROCTOR. COORDINATE WITH PROPERTY OWNER TO DETERMINE IF UPPER 12" SHALL CONSIST OF INDOT #53 STONE OR 12" OF TOPSOIL.
2. GRADE ENTIRE LOT TO DRAIN AND INSTALL PAVING OVER ENTIRE LOT PER EASEMENT AGREEMENT.

Date	12-20-11
Checked By	PNE
Drawn By	PNE
Revision Description	ADDENDUM 1
Revision Number	1

Designed By	JAB
Drawn By	BDB
Checked By	TJM
Approved By	PNE
Filename	246SR1.DWG
Project No.	11340&11721
Project Date	12/2/11

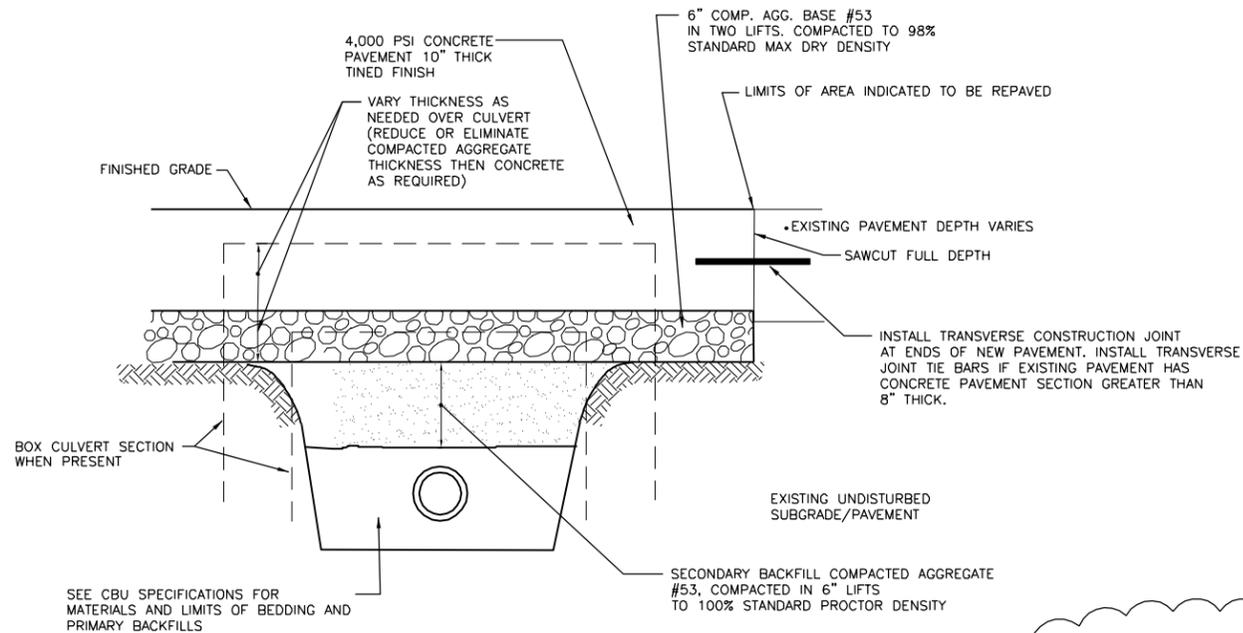


CITY OF BLOOMINGTON
 JORDAN RIVER AND LOWER SPANKERS STORM CULVERT
 RECONSTRUCTION AND STREETSCAPE - CONTRACT A
 BLOOMINGTON, INDIANA

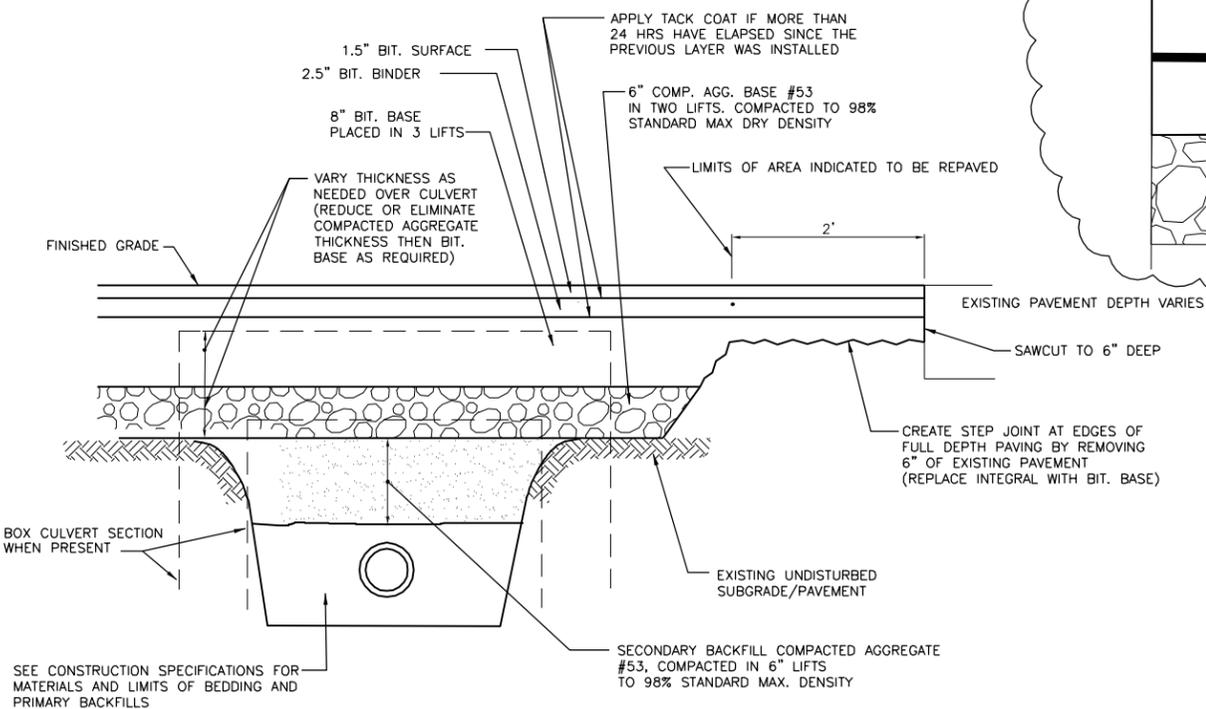
SURFACE RESTORATION PLAN



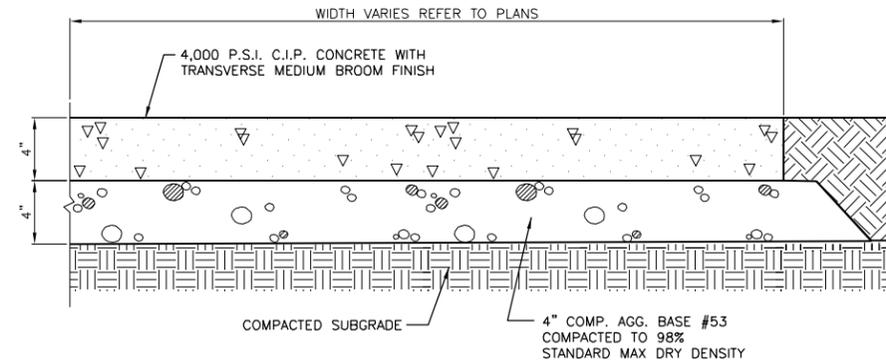
Sheet No.	28
Drawing No.	SR4



STREET RESTORATION R1
NTS

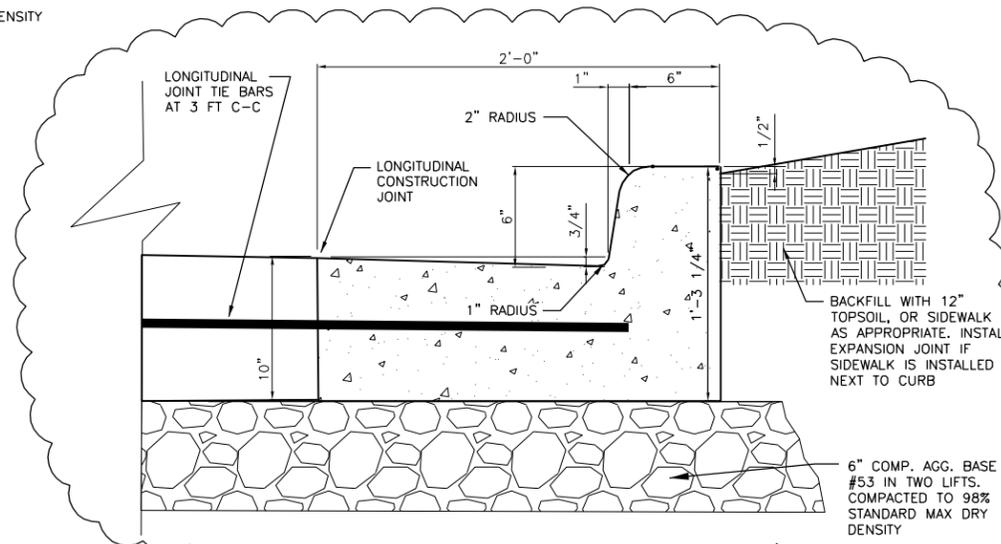


BITUMINOUS STREET RESTORATION R5
NTS

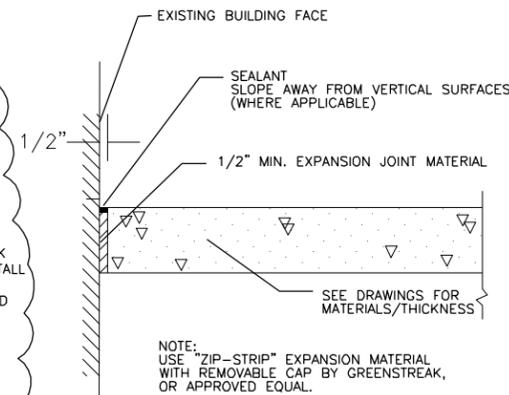


4\"/>

NOTES: SEE PLANS FOR LOCATIONS.
SIDEWALKS SHALL NOT EXTEND ACROSS DRIVEWAYS.



CONCRETE CURB AND GUTTER 2 FT C2
NTS



EXPANSION JOINT AT EXISTING BUILDINGS
NTS

THE FOLLOWING STANDARD DETAILS FROM THE CITY OF BLOOMINGTON UTILITIES CONSTRUCTION SPECIFICATIONS FOR WASTEWATER, WATER AND STORM PROJECTS ARE KNOWN TO BE NEEDED AND ARE SPECIFICALLY INCORPORATED INTO THESE DETAIL DRAWINGS (OTHERS MAY BE NEEDED IF SPECIFIC CIRCUMSTANCES WARRANT):

1. STANDARD SANITARY MANHOLE (STANDARD DETAIL 1)
2. EXTERNAL DROP PIPE DETAIL FOR SANITARY MANHOLE (STANDARD DETAIL 2)
3. STANDARD FIRE HYDRANT AND CONNECTION DETAIL (STANDARD DETAIL 8)
4. BEDDING AND BACKFILL DETAIL FOR PVC AND HDPE PIPE (STANDARD DETAIL 11)
5. BEDDING AND BACKFILL DETAIL FOR ALL RIGID PIPES (STANDARD DETAIL 12)
6. STANDARD SANITARY LATERAL CLEANOUT FOR 4\"/>

THE FOLLOWING STANDARD DRAWINGS FROM THE INDIANA DEPARTMENT OF TRANSPORTATION ARE KNOWN TO BE NEEDED AND ARE SPECIFICALLY INCORPORATED INTO THESE DETAIL DRAWINGS (OTHERS MAY BE NEEDED IF SPECIFIC CIRCUMSTANCES WARRANT):

1. INLET TYPE A (STANDARD DRAWING E 720-INST-01)
2. INLET TYPE J (STANDARD DRAWING E 720-INST-06)
3. INLET TYPE M (STANDARD DRAWING E 720-INST-07)
4. FLAT TOP GRATE CASTING TYPE 2 (STANDARD DRAWING E 720-MHCA-01)
5. SOLID MANHOLE CASTING TYPE 4 (STANDARD DRAWING E 720-MHCA-02)
6. BEEHIVE CASTING TYPE 7 (STANDARD DRAWING E 720-EDCA-01)
7. CURB AND CUTTER CASTING TYPE 8 (STANDARD DRAWINGS E 720-ICCA-04, -05, -06)
8. CURB AND GUTTER CASTING TYPE 10 (STANDARD DRAWINGS E 720-ICCA-08, -09, -09A)
9. CONCRETE PAVEMENT LONGITUDINAL JOINT (STANDARD DRAWING E 503-CCPJ-02)
10. CONCRETE PAVEMENT TRANSVERSE CONSTRUCTION JOINT (STANDARD DRAWING E 503-CCPJ-05)
11. CONCRETE PAVEMENT LONGITUDINAL CONSTRUCTION JOINT (STANDARD DRAWING E 503-CCPJ-07)
12. ALL CONSTRUCTION SIGNS AND CONSTRUCTION ZONE SIGN PLACEMENT DRAWINGS
13. APPROPRIATE DRIVEWAY AND ENTRANCE DRAWINGS
14. APPROPRIATE CURB RAMP DRAWINGS
15. CONCRETE PAVEMENT TYPE D-1 CONTRACTION JOINT (STANDARD DRAWING E 503-CPJ-01)

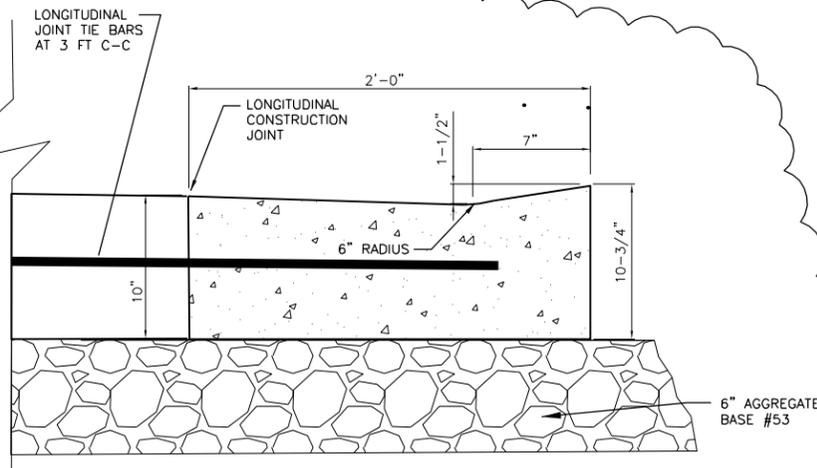
Date	12-20-11
Checked By	PNE
Drawn By	PNE
Revision Description	ADDENDUM 1
Revision Number	1
Designed By	PNE
Drawn By	PNE
Checked By	TJM
Approved By	PNE
Filename	246SD1.DWG
Project No.	11340&11721
Project Date	12/2/11



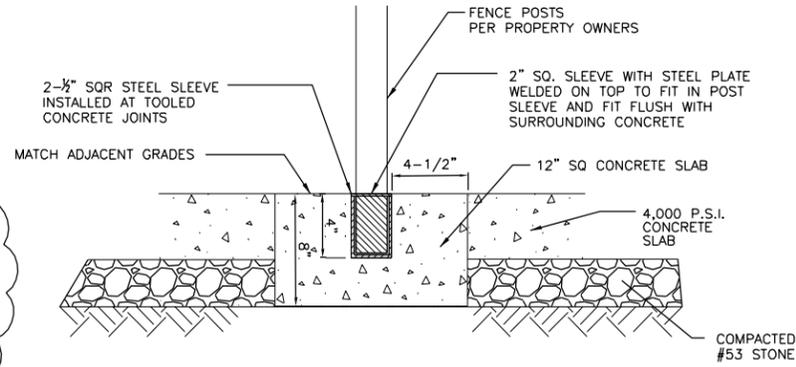
CITY OF BLOOMINGTON
 JORDAN RIVER AND LOWER SPANKERS STORM CULVERT
 RECONSTRUCTION AND STREETSCAPE - CONTRACT A
 BLOOMINGTON, INDIANA

MISCELLANEOUS DETAILS
 PAVING, CURB, SIDEWALK DETAILS



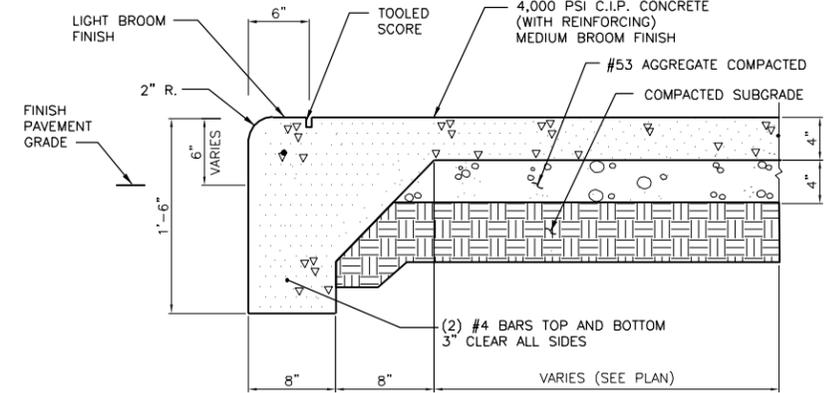


DEPRESSED CONCRETE CURB AND GUTTER 2 FT
NTS
C3



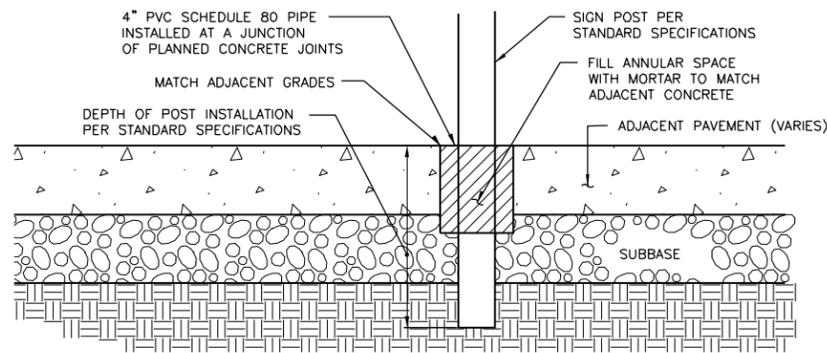
OUTDOOR DINING FENCE INSERTS
NTS

- FENCE INSERT NOTES:
- CONTRACTOR TO INSTALL 2-1/2" SQR STEEL SLEEVES IN CONCRETE AS SHOWN.
 - CONTRACTOR TO COORDINATE LOCATION AND SPACING OF INSERTS WITH PLAYERS PUB PROPERTY OWNER FOR FENCE SPACING.
 - CONTRACTOR TO FURNISH 2" SQR STEEL INSERT FOR EACH POST SLEEVE. INSERTS WILL BE GIVEN TO PROPERTY OWNERS FOR THEIR USE IN CLOSING HOLES WHEN FENCE IS NOT BEING USED. CONTRACTOR SHALL ENSURE A PROPER FIT OF EACH INSERT PRIOR TO TURN OVER TO PROPERTY OWNER.



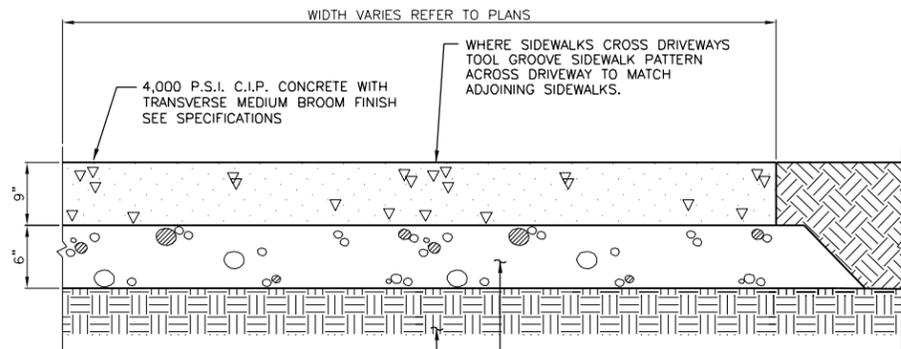
C1 AND C5 RESTORATION NEXT TO EACH OTHER AS INTEGRAL UNIT
NTS
C1 AND C5

- NOTES:
- HAND FINISH CURB TO A 6" DEPTH (TYP.).
 - THIS DETAIL TO BE USED WHERE CONCRETE WALKS C1 ARE TO BE RECONSTRUCTED NEXT TO NEW BARRIER CURBS C5 AS SHOWN ON SURFACE RESTORATION DETAILS.



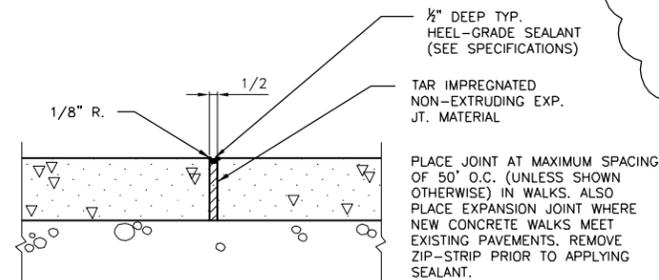
SIGN INSTALLATIONS IN SIDEWALKS
NTS

- SIGN RELOCATION NOTES:
- CONTRACTOR WILL COORDINATE WITH CITY TO HAVE EXISTING SIGNS REMOVED AT APPROPRIATE TIMES.
 - CONTRACTOR TO INSTALL PVC INSERTS AS SHOWN FOR OWNER'S USE IN REINSTALLING SIGNS.
 - ALL EXISTING SIGNS WILL BE RESET BY OWNER IN CONTRACTOR PROVIDED INSERTS UNLESS SHOWN OTHERWISE. NEW SIGNS WILL BE PROVIDED BY THE OWNER.



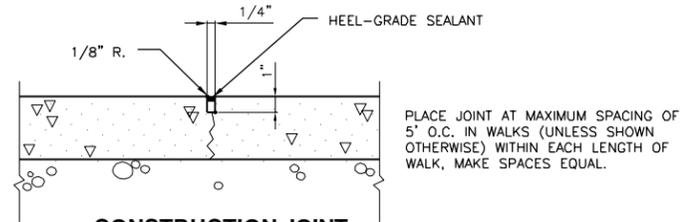
- NOTE:
- REDUCE COMPACTED AGG BASE THICKNESS AS REQUIRED OVER BOX CULVERTS.
 - 6" COMP. AGG. BASE #53 IN TWO LIFTS. COMPACTED TO 98% STANDARD MAX DRY DENSITY COMPACTED SUBGRADE

9" CONCRETE PAVEMENT FOR DRIVES
NTS
C4



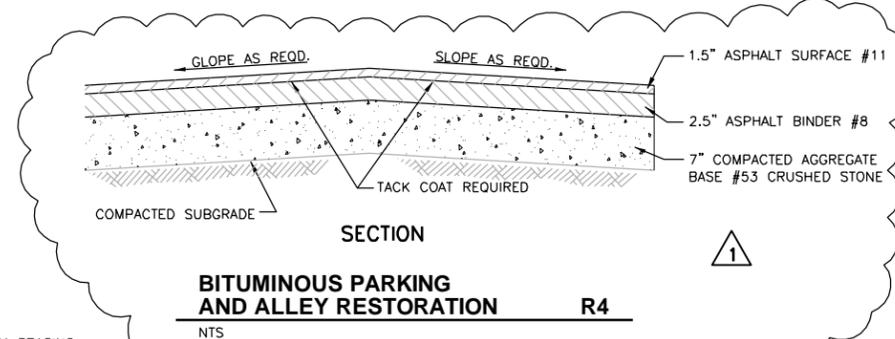
EXPANSION JOINT

NOTE: EXPANSION JOINT MATERIAL SHALL BE "ZIP-STRIP" EXPANSION MATERIAL WITH REMOVABLE CAP BY GREENSTREAK OR APPROVED EQUAL.

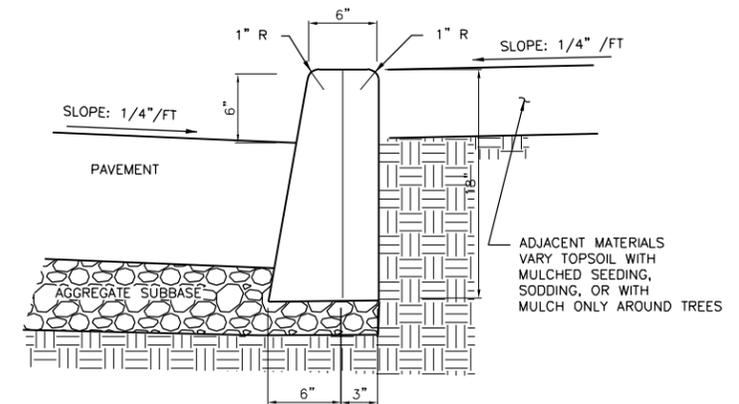


CONSTRUCTION JOINT

JOINTING IN WALKS
NTS



BITUMINOUS PARKING AND ALLEY RESTORATION
NTS
R4



6" CONCRETE BARRIER CURBS WITH TURF BACK OF CURB
NTS
C5

- NOTE: SEE PLANS FOR LOCATIONS.
- NOTES:
- DETAIL SHOWN HERE APPLIES WHEN NEW DRIVEWAY OR ALLEY CURB IS TO BE CONSTRUCTED WITHOUT AN ADJACENT SIDEWALK.
 - USE INTEGRAL CURB & WALK DETAIL INSTEAD IF AN ADJACENT SIDEWALK MUST ALSO BE REPLACED.

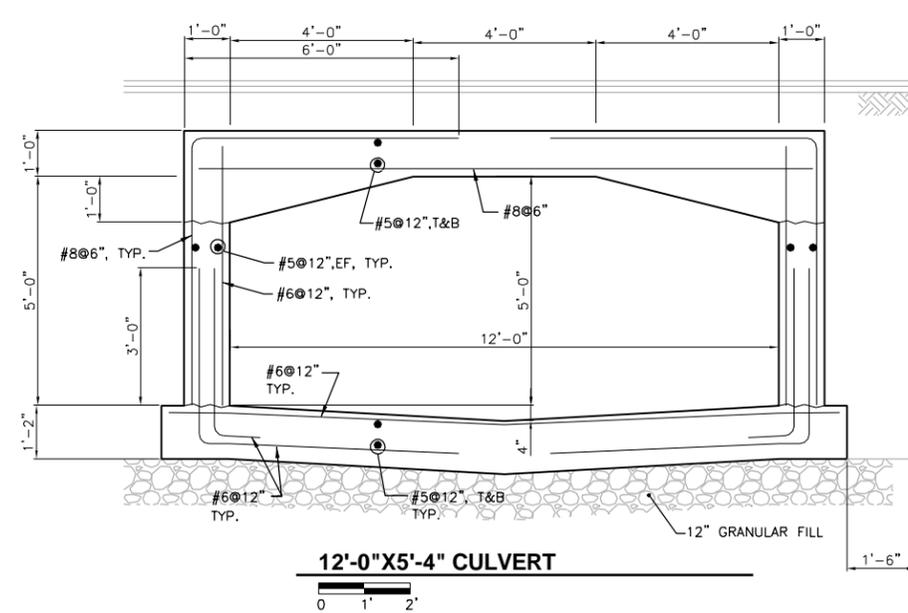
Date	12-20-11
Checked By	PNE
Drawn By	PNE
Revision Description	ADDENDUM 1
Revision Number	1
Designed By	PNE
Drawn By	PNE
Checked By	TJM
Approved By	PNE
Filename	246SD1.DWG
Project No.	11340&11721
Project Date	12/2/11



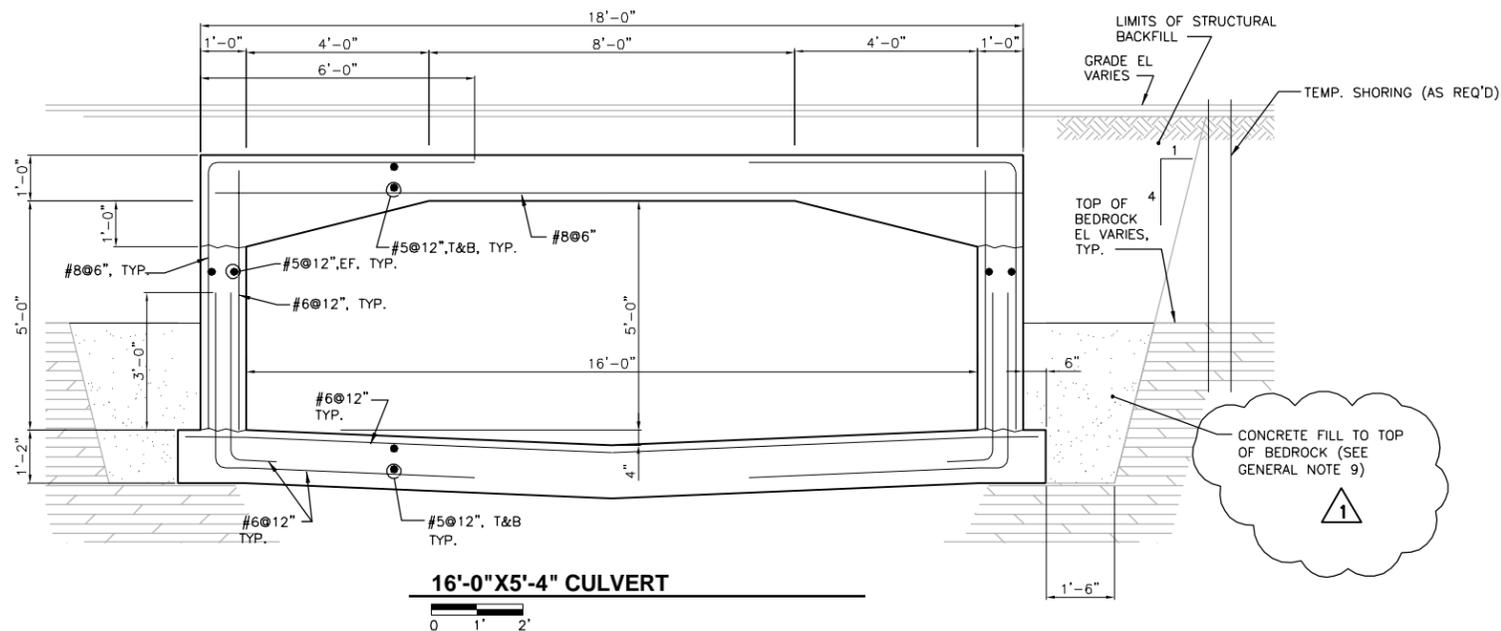
CITY OF BLOOMINGTON
JORDAN RIVER AND LOWER SPANKERS STORM CULVERT
RECONSTRUCTION AND STREETSCAPE - CONTRACT A
BLOOMINGTON, INDIANA

MISCELLANEOUS DETAILS
SIDEWALK AND CURB DETAILS

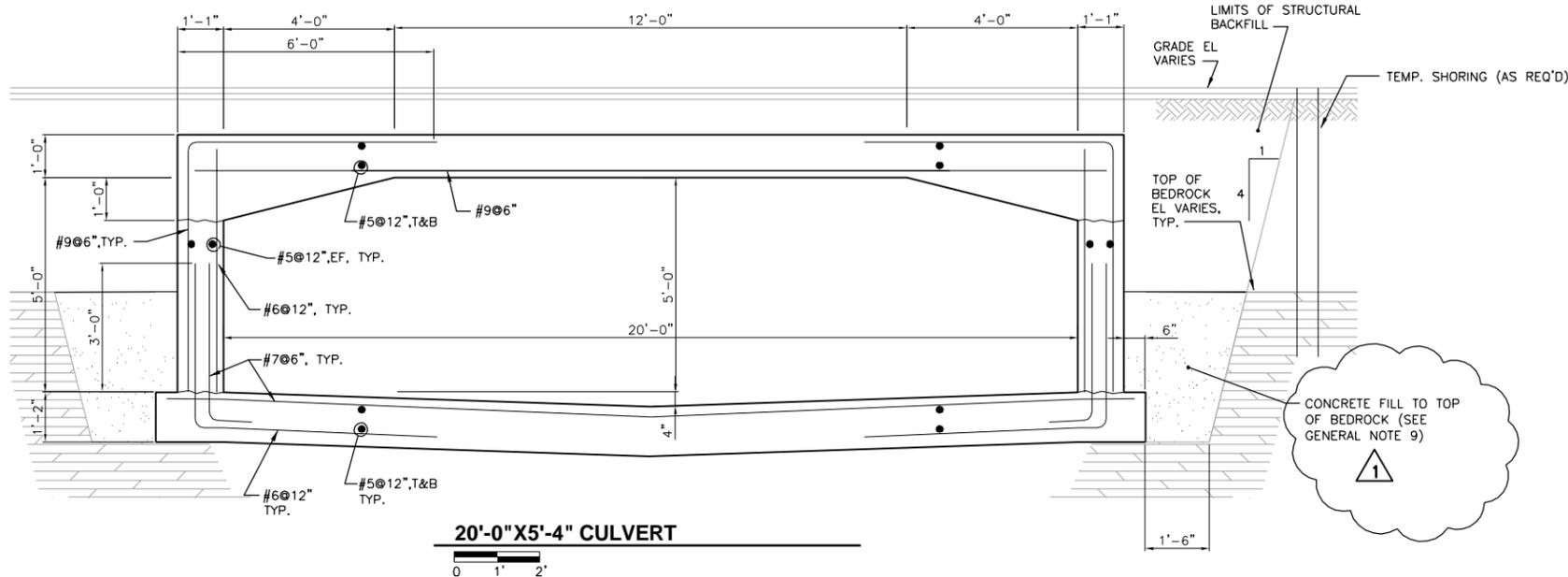




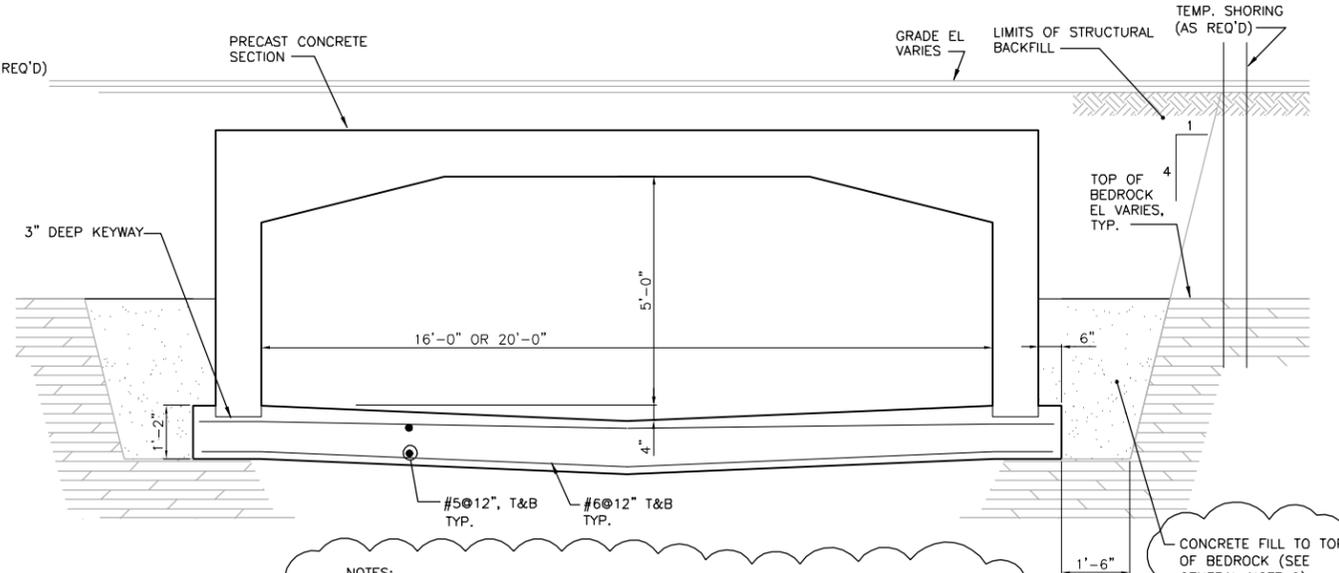
12'-0" X 5'-4" CULVERT



16'-0" X 5'-4" CULVERT



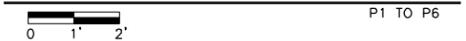
20'-0" X 5'-4" CULVERT



NOTES:

1. THIS DETAIL DEPICTS A THREE SIDED PRECAST OPTION TO CAST-IN-PLACE CONCRETE.
2. THIS DETAIL IS TO BE APPLIED TO STRAIGHT LENGTHS OF CULVERT ONLY.
3. THREE SIDED PRECAST SECTIONS MAY BE USED FOR THE 16'-0" X 5'-4" AND 20'-0" X 5'-4" CULVERT SECTIONS.
4. PROVIDE 8" MIN. JOINT WRAP AT PRECAST JOINTS THAT MEETS OR EXCEEDS THE REQUIREMENTS OF ASTM E-1745 AND ASTM C-990. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ACCEPTABLE PRODUCT: CS-2121 POLYOLEFIN BACKED EXTERIOR JOINT WRAP BY CONSEAL.
5. PRECAST SECTIONS SHALL HAVE THE SAME INTERNAL SHAPE AS THE ADJOINING CAST-IN-PLACE SECTIONS TO PROVIDE UNIFORM HYDRAULIC CAPACITY.

PRECAST ALTERNATE DETAIL



GENERAL NOTES:

1. THE 12'-0" X 5'-4" CULVERT STRUCTURES SHALL BE ALL CAST-IN-PLACE CONCRETE TO PROPERLY RESTRAIN THE STRUCTURE FROM MOVEMENT.
2. ALL CULVERT BENDS SHALL BE CAST-IN-PLACE CONCRETE.
3. THREE SIDED PRECAST SECTIONS MAY BE USED FOR STRAIGHT 16'-0" X 5'-4" AND 20'-0" X 5'-4" CULVERT SECTIONS AS AN ALTERNATE TO CAST-IN-PLACE CONCRETE. IF PRECAST SECTIONS ARE USED THE REINFORCING AND CONCRETE DIMENSIONS SHALL CONFORM TO THAT SHOWN FOR CAST-IN-PLACE CONCRETE, OR THE CONTRACTOR MAY PREPARE AND SUBMIT FOR REVIEW DESIGN IN ACCORDANCE WITH INDOT SECTION 723. OPTION FOR FULL BOX CULVERT STRUCTURE WILL NOT BE PERMITTED.
4. TRANSITION STRUCTURE AND JUNCTION STRUCTURE SHALL BE CAST-IN-PLACE CONCRETE.
5. STRUCTURAL BACKFILL SHALL MEET THE GRADATION REQUIREMENTS FOR AN INDOT No. 8 STONE.
6. INLET STRUCTURES TO BE CONSTRUCTED OVER THE CULVERT SHALL BE LOCATED AS SHOWN ON DRAWINGS P-1 TO P-3.
7. CASTING 10 USED FOR INLETS OVER THE CULVERT SHALL BE ADJUSTED TO GRADE WITH CONCRETE BRICKS AND MORTAR IF ADJUSTMENT IS LESS THAN 6" IN HEIGHT. FOR ADJUSTMENTS OVER 6" IN HEIGHT PRECAST CONCRETE ADJUSTING RINGS WITH 24" INSIDE DIAMETER SHALL BE USED.
8. THE OPENING THROUGH THE ROOF OF THE CULVERT SHALL BE 24" X 18" IN SIZE WITH THE 24" DIMENSION PARALLEL WITH THE CURBLINE. ADDITIONAL REINFORCING AROUND THE OPENING SHALL BE PROVIDED AND CONFORM TO DETAIL S020 ON DRAWING S-8. ADJUST FINAL LOCATION OF CASTING SO NO OPENING IS LESS THAN 12" FROM EDGE OF PRECAST SECTIONS IF CONTRACTOR ELECTS TO USE PRECAST ALTERNATE. FIELD CUTTING OPENINGS WILL NOT BE PERMITTED TO AVOID CUTTING REINFORCEMENT.
9. CONCRETE FILL (F_c=2000 PSI) BETWEEN THE CULVERT STRUCTURE AND UNDISTURBED ROCK SHALL BE USED FOR THRUST RESTRAINT AND STRUCTURAL INTEGRITY FOR
 - 30 FT UPSTREAM OF A BEND
 - 30 FT DOWNSTREAM OF A BEND
 - THRU THE BEND SECTION
 - WHENEVER THREE SIDED PRECAST SECTIONS ARE USED
 - ON THE WEST FACE OF THE JUNCTION STRUCTURE (SEE DRWG S-3)
 STRUCTURAL BACKFILL MAY BE SUBSTITUTED FOR CONCRETE FILL IN OTHER AREAS WHERE STRAIGHT CAST IN PLACE CULVERT SECTIONS ARE USED.
10. STRUCTURAL BACKFILL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR.

Date	12-20-11
Checked By	PNE
Drawn By	PNE
Revision Description	ADDENDUM 1
Revision Number	1
Designed By	SCP
Drawn By	HFF
Checked By	SCP
Approved By	PNE
Filename	246SS1.DWG
Project No.	11340&11721
Project Date	12/2/11



CITY OF BLOOMINGTON
 JORDAN RIVER AND LOWER SPANKERS STORM CULVERT
 RECONSTRUCTION AND STREETSCAPE - CONTRACT A
 BLOOMINGTON, INDIANA
 CULVERT STRUCTURE
 TYPICAL SECTIONS



GENERAL NOTES:

- CONTRACTOR SHALL REMOVE BITUMINOUS, CONCRETE, BRICK, STONE, EARTH TIMBERS, TRACKS, AND OTHER MATERIALS WHICH MAY EXIST IN OR BENEATH PAVEMENTS, CURBS, DRIVES AND WALKWAYS TO THE EXTENT NECESSARY TO ALLOW THE FULL DEPTH CONSTRUCTION OF THE PROPOSED BASE AND SUBBASE LAYERS AT NO ADDITIONAL COST TO THE OWNER. THE EXISTING PAVEMENT DEPTHS (WHERE INDICATED) ARE AVERAGE VALUES BASED ON SOIL BORING AND PAVEMENT CORE INFORMATION AVAILABLE TO THE ENGINEER. ACTUAL DEPTHS AND MATERIALS MAY VARY FROM THE AVERAGE VALUES. THE CONTRACTOR IS NOT ENTITLED TO RELY SOLELY ON THE INDICATED DEPTHS AND MATERIALS AND SHALL MAKE HIS OWN DETERMINATION REGARDING THE ACTUAL REMOVAL QUANTITIES AND MATERIALS TO BE REMOVED.
- REMOVE ALL UTILITY CASTINGS FOR UTILITY LINES WHICH ARE TO BE ABANDONED

CONCRETE REMOVALS

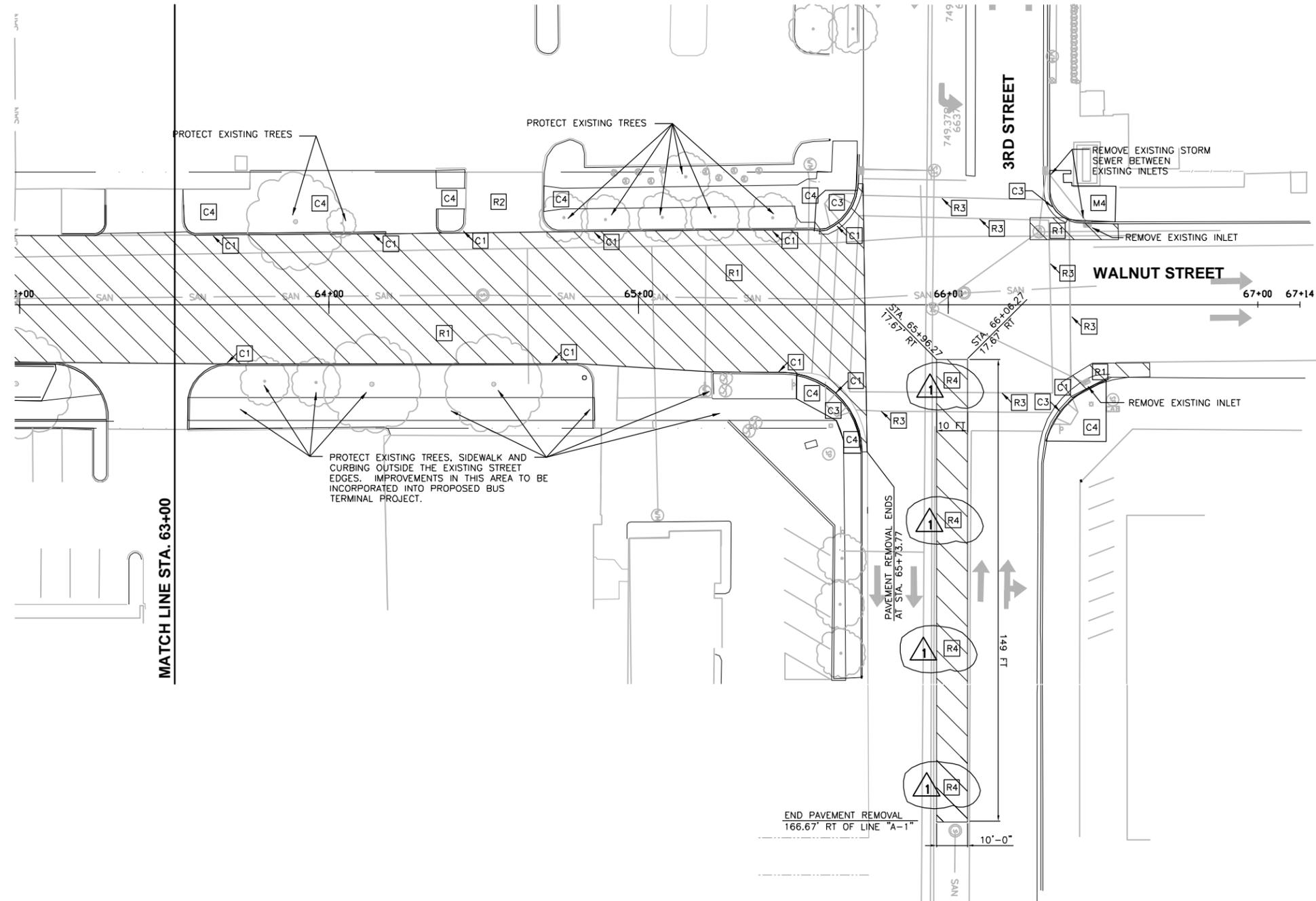
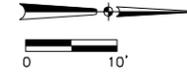
- C1 CONCRETE CURB OR CURB AND GUTTER
- C2 CONCRETE/LIMESTONE PLANTER EDGING
- C3 CONCRETE ADA RAMP
- C4 CONCRETE 4" SIDEWALK
- C5 CONCRETE DRIVEWAY/PARKING LOT

MISCELLANEOUS REMOVALS

- M1 EXISTING TREE
- M2 EXISTING POLE
- M3 REMOVE/REPLACE EXISTING SIGN
- M4 BRICK PAVED SIDEWALK

PAVEMENT REMOVALS

- R1 6.5" AVG BITUMINOUS OVER 7.5" AVG CONCRETE PAVEMENT
- R2 BITUMINOUS DRIVEWAY/PARKING LOT
- R3 PAVEMENT MARKING
- R4 6.5" AVG BITUMINOUS OVER 3.25" AVG BRICK OVER 5.5" AVG CONCRETE PAVEMENT



Revision Number	Revision Description	Drawn By	Checked By	Date
1	ADDENDUM 1	PNE	PNE	12-20-11

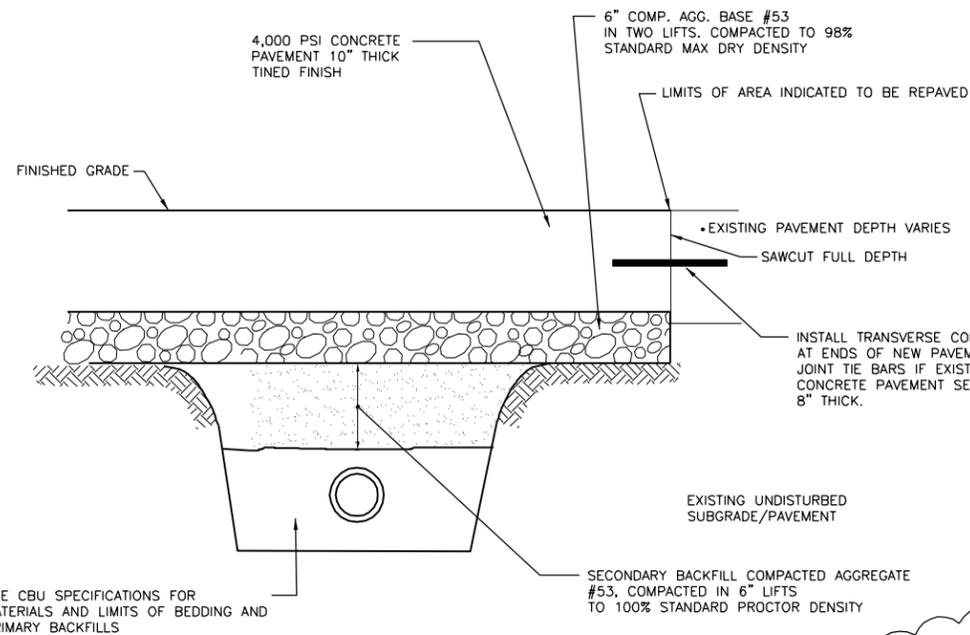
Designed By	JAB
Drawn By	BDB
Checked By	TJM
Approved By	PNE
Filename	002CR1.DWG
Project No.	11721
Project Date	12/2/11



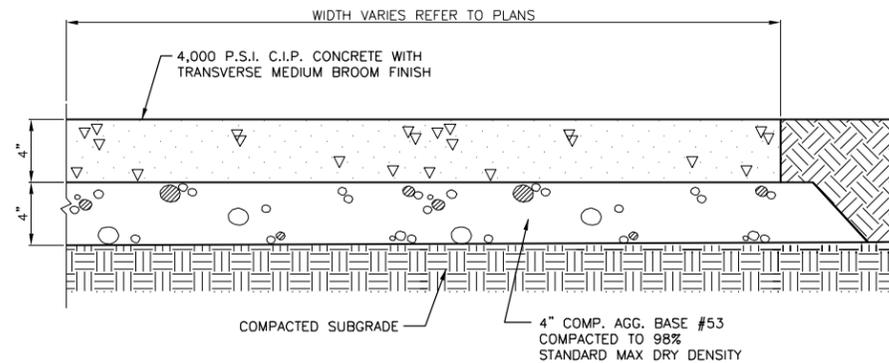
CITY OF BLOOMINGTON
 WALNUT STREETSCAPING
 CONTRACT B
 BLOOMINGTON, INDIANA
 PLAN VIEW
 REMOVALS



Sheet No. 6
 Drawing No.

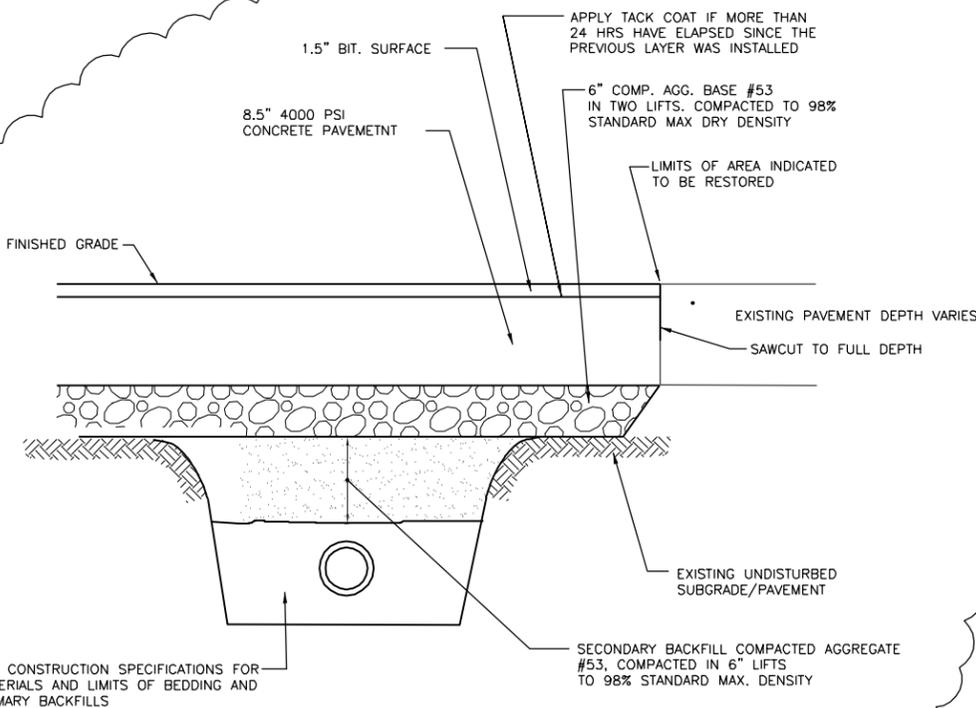


STREET RESTORATION R1
NTS

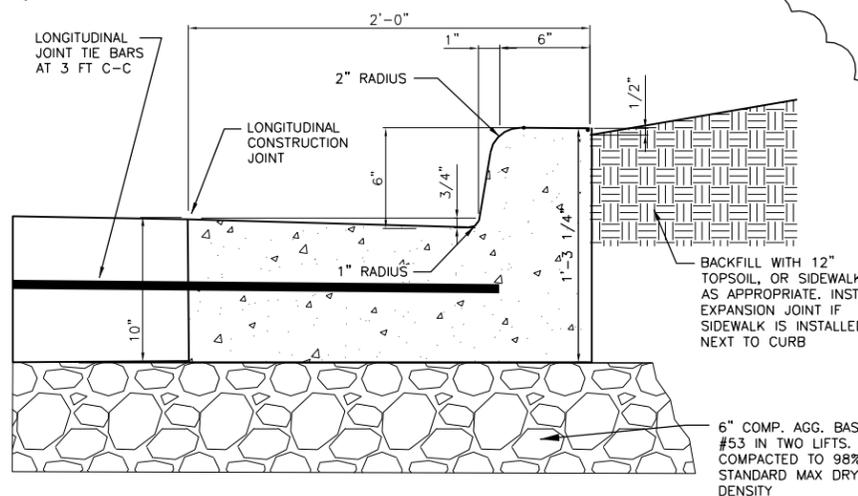


4\"/>

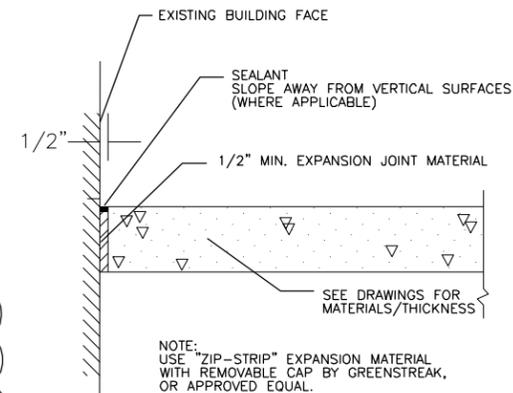
NOTES: SEE PLANS FOR LOCATIONS.
SIDEWALKS SHALL NOT EXTEND ACROSS DRIVEWAYS.



BITUMINOUS STREET RESTORATION R2
NTS



CONCRETE CURB AND GUTTER 2 FT C2
NTS



EXPANSION JOINT AT EXISTING BUILDINGS
NTS

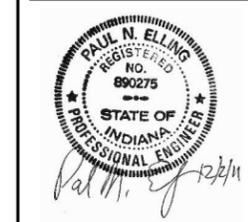
THE FOLLOWING STANDARD DETAILS FROM THE CITY OF BLOOMINGTON UTILITIES CONSTRUCTION SPECIFICATIONS FOR WASTEWATER, WATER AND STORM PROJECTS ARE KNOWN TO BE NEEDED AND ARE SPECIFICALLY INCORPORATED INTO THESE DETAIL DRAWINGS (OTHERS MAY BE NEEDED IF SPECIFIC CIRCUMSTANCES WARRANT):

1. STANDARD SANITARY MANHOLE (STANDARD DETAIL 1)
2. EXTERNAL DROP PIPE DETAIL FOR SANITARY MANHOLE (STANDARD DETAIL 2)
3. STANDARD FIRE HYDRANT AND CONNECTION DETAIL (STANDARD DETAIL 8)
4. BEDDING AND BACKFILL DETAIL FOR PVC AND HDPE PIPE (STANDARD DETAIL 11)
5. BEDDING AND BACKFILL DETAIL FOR ALL RIGID PIPES (STANDARD DETAIL 12)
6. STANDARD SANITARY LATERAL CLEANOUT FOR 4\"/>

THE FOLLOWING STANDARD DRAWINGS FROM THE INDIANA DEPARTMENT OF TRANSPORTATION ARE KNOWN TO BE NEEDED AND ARE SPECIFICALLY INCORPORATED INTO THESE DETAIL DRAWINGS (OTHERS MAY BE NEEDED IF SPECIFIC CIRCUMSTANCES WARRANT):

1. INLET TYPE A (STANDARD DRAWING E 720-INST-01)
2. INLET TYPE J (STANDARD DRAWING E 720-INST-06)
3. INLET TYPE M (STANDARD DRAWING E 720-INST-07)
4. FLAT TOP GRATE CASTING TYPE 2 (STANDARD DRAWING E 720-MHCA-01)
5. SOLID MANHOLE CASTING TYPE 4 (STANDARD DRAWING E 720-MHCA-02)
6. BEEHIVE CASTING TYPE 7 (STANDARD DRAWING E 720-EDCA-01)
7. CURB AND GUTTER CASTING TYPE 8 (STANDARD DRAWINGS E 720-ICCA-04, -05, -06)
8. CURB AND GUTTER CASTING TYPE 10 (STANDARD DRAWINGS E 720-ICCA-08, -09, -09A)
9. CONCRETE PAVEMENT LONGITUDINAL JOINT (STANDARD DRAWING E 503-CCPJ-02)
10. CONCRETE PAVEMENT TRANSVERSE CONSTRUCTION JOINT (STANDARD DRAWING E 503-CCPJ-05)
11. CONCRETE PAVEMENT LONGITUDINAL CONSTRUCTION JOINT (STANDARD DRAWING E 503-CCPJ-07)
12. ALL CONSTRUCTION SIGNS AND CONSTRUCTION ZONE SIGN PLACEMENT DRAWINGS
13. APPROPRIATE DRIVEWAY AND ENTRANCE DRAWINGS
14. APPROPRIATE CURB RAMP DRAWINGS
15. CONCRETE PAVEMENT TYPE D-1 CONTRACTION JOINT (STANDARD DRAWING E 503-CPJ-01)

Date	12-20-11
Checked By	PNE
Drawn By	PNE
Revision Description	ADDENDUM 1
Revision Number	1
Designed By	PNE
Drawn By	PNE
Checked By	TJM
Approved By	PNE
Filename	246SD1.DWG
Project No.	11721
Project Date	12/2/11

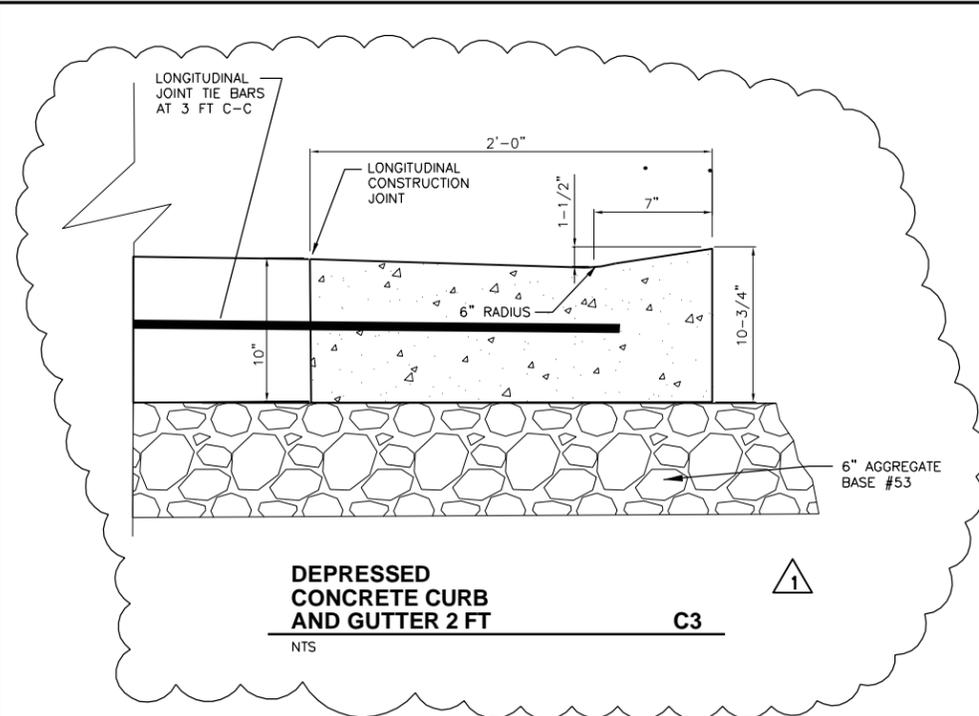


CITY OF BLOOMINGTON
WALNUT STREETSCAPE
CONTRACT B
BLOOMINGTON, INDIANA

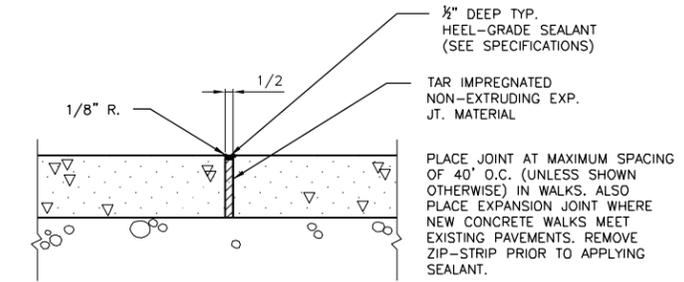
MISCELLANEOUS DETAILS
PAVING, CURB, SIDEWALK DETAILS



Sheet No.	13
Drawing No.	M1

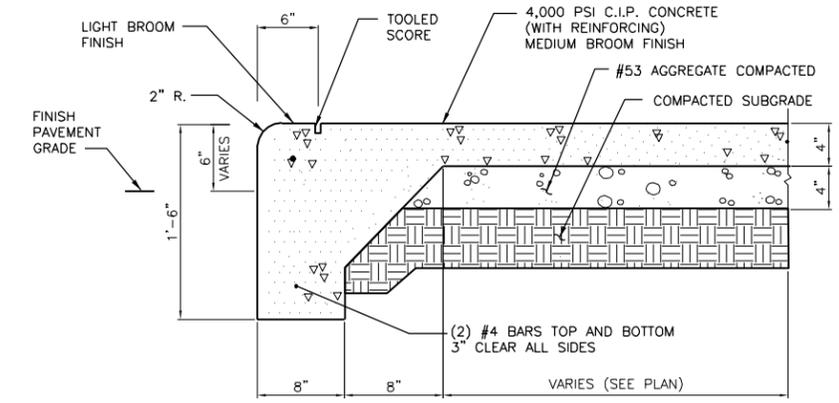


DEPRESSED CONCRETE CURB AND GUTTER 2 FT
NTS **C3**



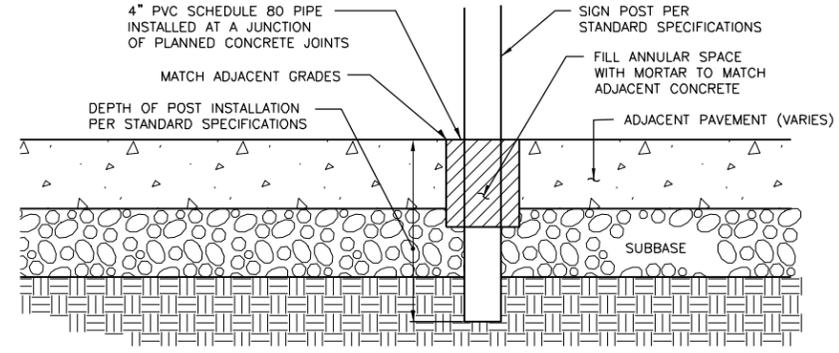
EXPANSION JOINT

NOTE:
EXPANSION JOINT MATERIAL SHALL BE "ZIP-STRIP" EXPANSION MATERIAL WITH REMOVABLE CAP BY GREENSTREAK OR APPROVED EQUAL.



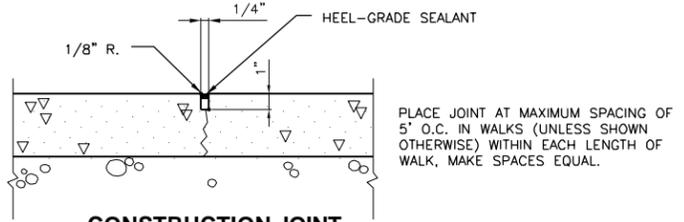
INTEGRAL BARRIER CURB AND SIDEWALK
NTS **C1 AND C5**

- NOTES:
- HAND FINISH CURB TO A 6" DEPTH (TYP.).
 - THIS DETAIL TO BE USED WHERE CONCRETE WALKS C1 ARE TO BE RECONSTRUCTED NEXT TO NEW BARRIER CURBS C5 AS SHOWN ON SURFACE RESTORATION DETAILS.



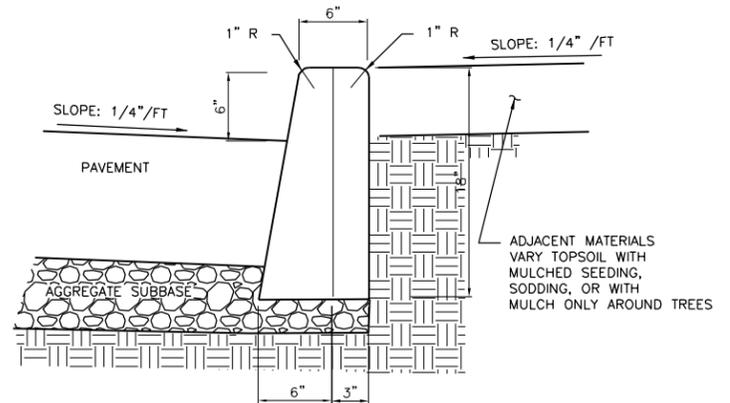
SIGN INSTALLATIONS IN SIDEWALKS
NTS

- SIGN RELOCATION NOTES:
- CONTRACTOR WILL COORDINATE WITH CITY TO HAVE EXISTING SIGNS REMOVED AT APPROPRIATE TIMES.
 - CONTRACTOR TO INSTALL PVC INSERTS AS SHOWN FOR OWNER'S USE IN REINSTALLING SIGNS.
 - ALL EXISTING SIGNS WILL BE RESET BY OWNER IN CONTRACTOR PROVIDED INSERTS UNLESS SHOWN OTHERWISE. NEW SIGNS WILL BE PROVIDED BY THE OWNER.



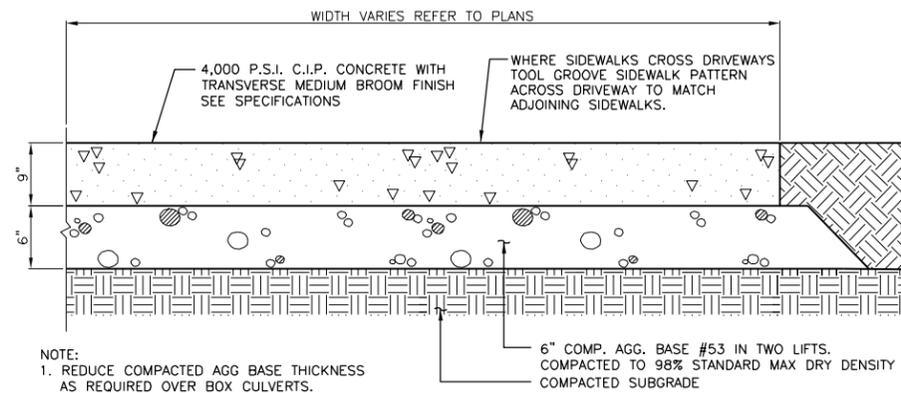
CONSTRUCTION JOINT

JOINTING IN WALKS
NTS



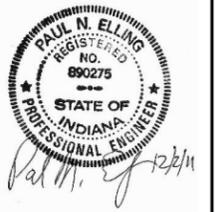
6" CONCRETE BARRIER CURBS WITH TURF BACK OF CURB
NTS **C5**

- NOTE: SEE PLANS FOR LOCATIONS.
- NOTES:
- DETAIL SHOWN HERE APPLIES WHEN NEW CURB IS TO BE RECONSTRUCTED FULL DEPTH NEXT TO AN EXISTING OR NEW ASPHALT PAVEMENT WITHOUT AN ADJACENT SIDEWALK.
 - USE INTEGRAL CURB & WALK DETAIL INSTEAD IF AN ADJACENT SIDEWALK MUST ALSO BE REPLACED.



9" CONCRETE PAVEMENT FOR DRIVES AND ALLEYS
NTS **C4**

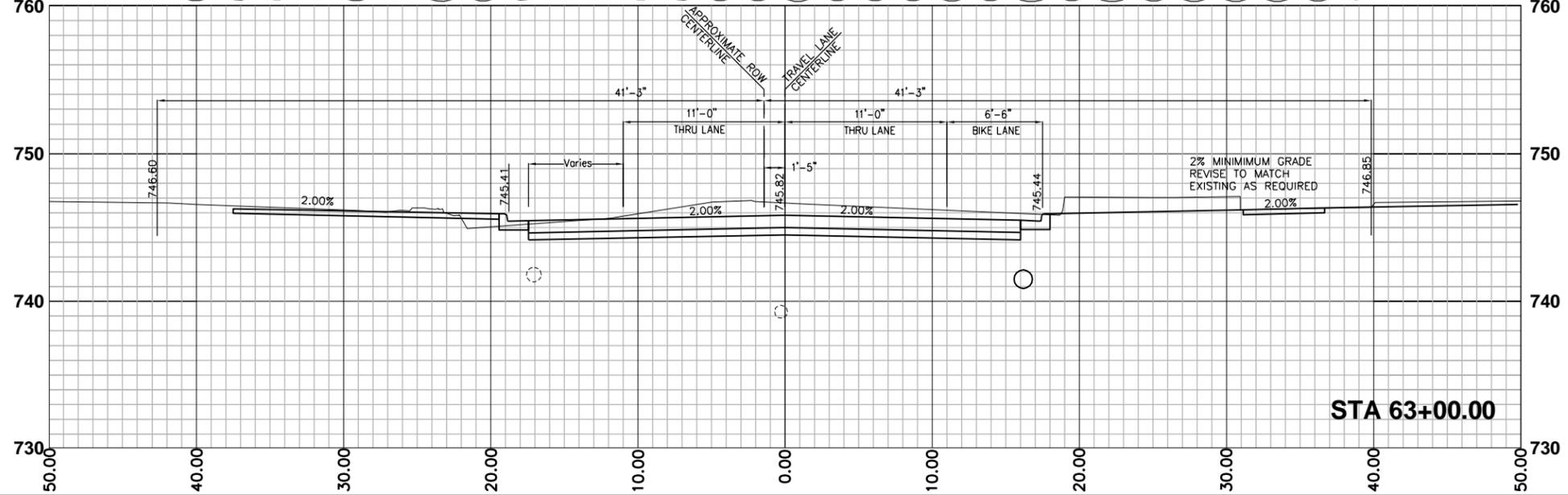
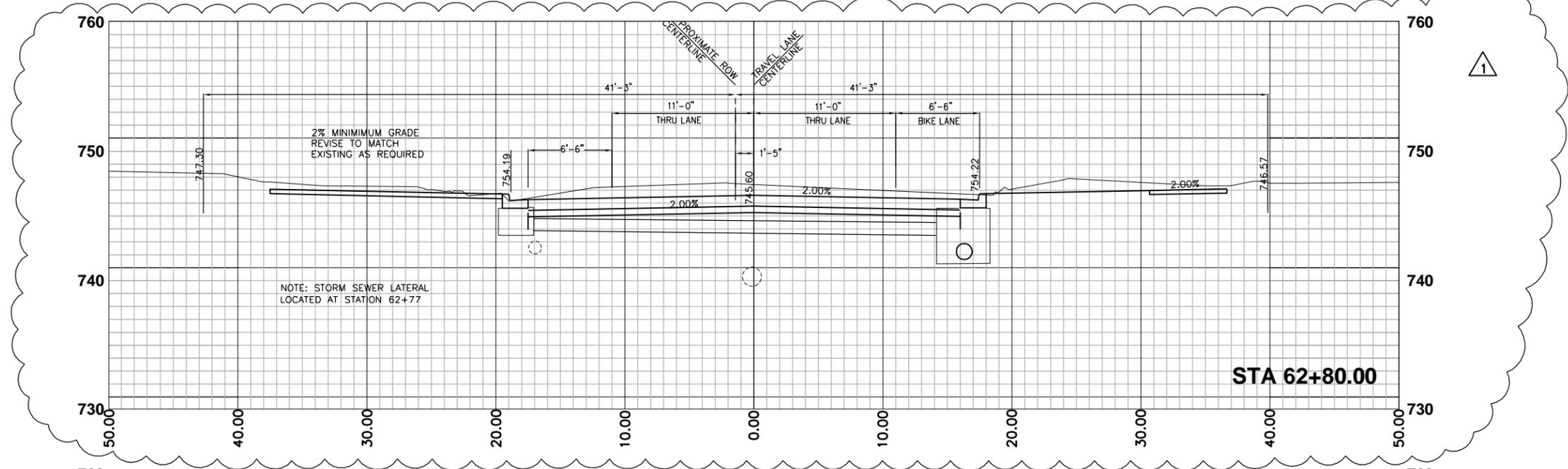
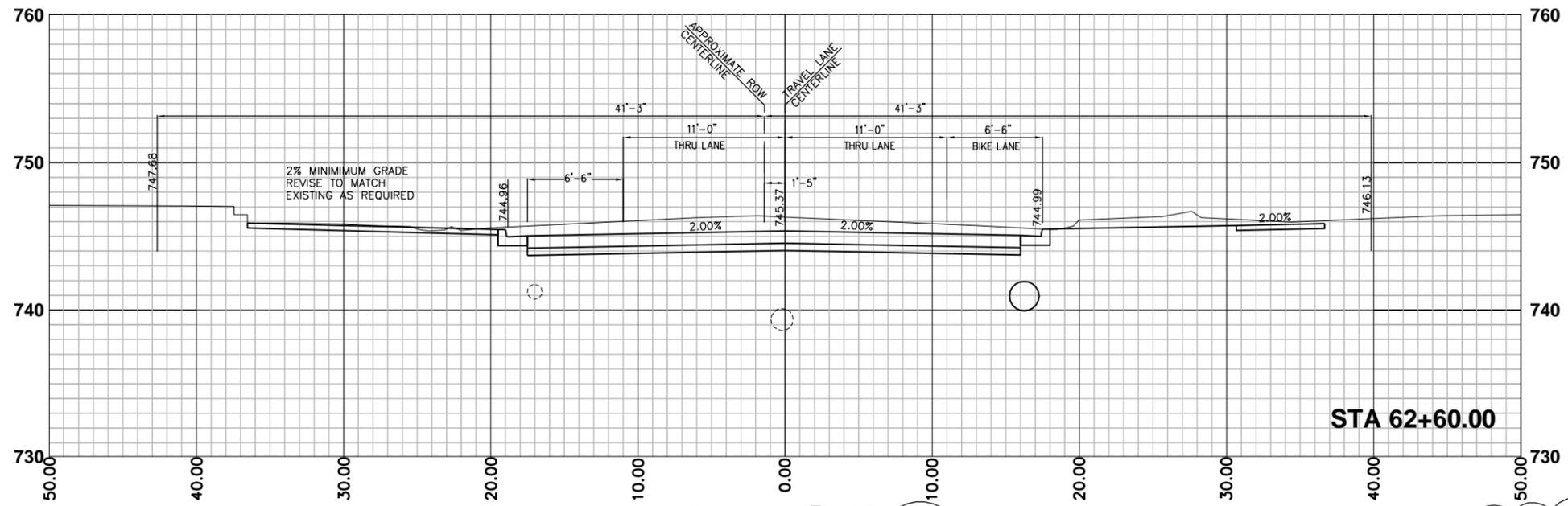
Date	12-20-11
Checked By	PNE
Drawn By	PNE
Revision Description	ADDENDUM 1
Revision Number	1
Designed By	PNE
Drawn By	PNE
Checked By	TJM
Approved By	PNE
Filename	246SD1.DWG
Project No.	11721
Project Date	12/2/11



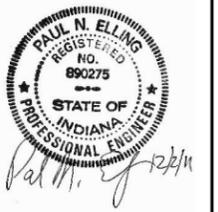
CITY OF BLOOMINGTON
WALNUT STREETSCAPE
CONTRACT B
BLOOMINGTON, INDIANA

MISCELLANEOUS DETAILS
SIDEWALK AND CURB DETAILS





Date	12-20-11
Checked By	PNE
Drawn By	PNE
Revision Description	ADDENDUM 1
Revision Number	1
Designed By	BDB
Drawn By	BDB
Checked By	TJM
Approved By	PNE
Filename	CROSS SEC 3.DWG
Project No.	11721
Project Date	12/2/11



CITY OF BLOOMINGTON
 WALNUT STREETSCAPING
 CONTRACT B
 BLOOMINGTON, INDIANA
 CROSS SECTIONS
 ALIGNMENT "A-1"



Sheet No.	25
Drawing No.	CS-6