

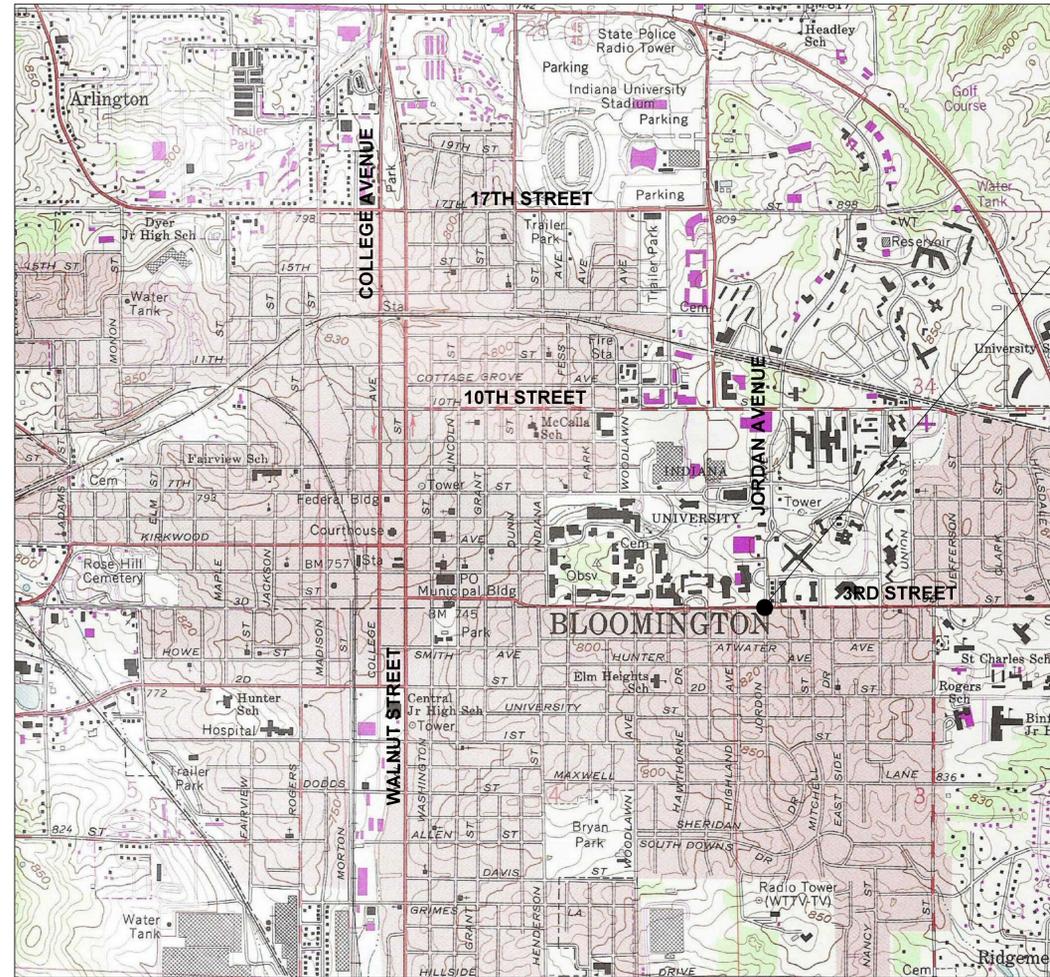
CITY OF BLOOMINGTON



IMPROVEMENTS ON SOUTH SIDE OF THE 3RD STREET AND JORDAN AVENUE INTERSECTION PW-14-007-C-451

INDEX OF DRAWINGS

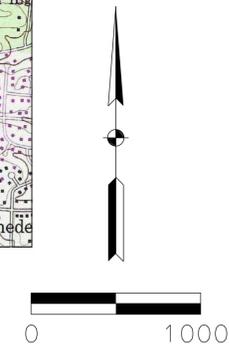
- 1 TITLE SHEET
- 2 DETAILS AND STRUCTURE DATA
ALTERNATE 2 DATA
- 3 JORDAN AVENUE AND 3RD STREET
SIDEWALK AND RAMP PLAN
- 4 MAINTENANCE OF TRAFFIC
AND ACCESS PLAN



PROJECT LOCATION

LOCATION MAP

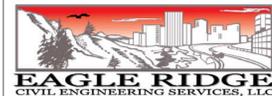
BLOOMINGTON, INDIANA



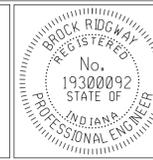
G:\Projects\10090\Drawn\The\10090\1001.dgn 7:20:57 AM 6/23/2014

3RD STREET AND JORDAN AVENUE

PREPARED BY:



1321 Laurel Oak Drive
Avon, Indiana 46123
(317)370-9672

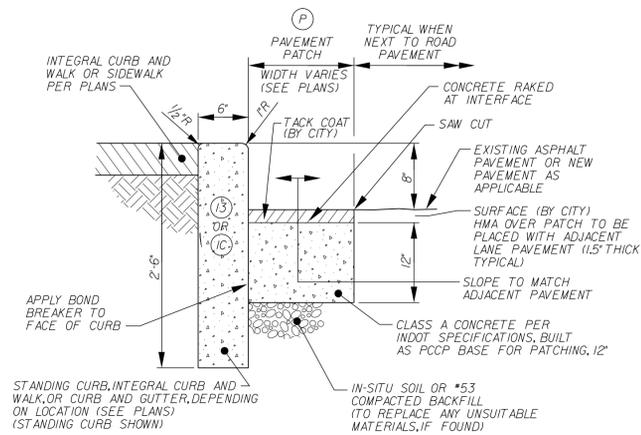


RECOMMENDED FOR APPROVAL: *B. Ridgway* DESIGN ENGINEER 06/23/14 DATE
 DESIGNED: BR DRAWN: SCS
 CHECKED: X CHECKED: BR

CITY OF BLOOMINGTON

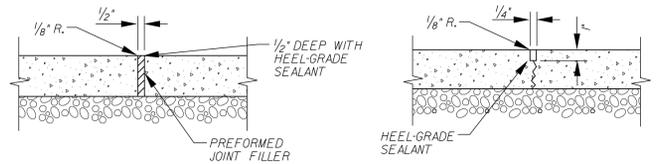
JORDAN AVENUE AND 3RD STREET
INTERSECTION IMPROVEMENTS

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
SURVEY BOOK	SHEETS
CONTRACT	1 of 4
	PROJECT
	3RD ST AND JORDAN AVE.



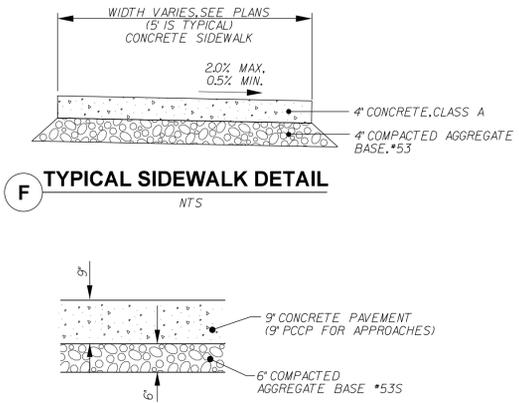
P PAVEMENT PATCH AT CURBS DETAIL
NTS

- NOTES:
1. AREA BEHIND CURBS TO RECEIVE TREATMENT AS SHOWN ON PLANS.
 2. REFER TO CURB JOINTS NOTES FOR CURB JOINTING.
 3. PAVEMENT PATCHING MAY NOT BE REQUIRED IF EXISTING PAVEMENT CAN BE REMOVED TO A CLEAN AND STRAIGHT EDGE AT FRONT OF PROPOSED CURB OR GUTTER. CITY APPROVAL IS REQUIRED.
 4. PAVEMENT PATCHING REQUIRED WHEREVER EXISTING PAVEMENT MUST BE REPAIRED OR REPLACED NEXT TO REQUIRED CURB, DRIVE OR SIDEWALK WORK.



- 9 EXPANSION JOINT**
EXPANSION JOINT MATERIAL SHALL BE "ZIP-STRIP" EXPANSION MATERIAL WITH REMOVABLE CAP BY GREENSTREAK OR APPROVED EQUAL.
- CONTRACTION JOINT**
HEEL-GRADE SEALANT

JOINT IN CONCRETE SIDEWALKS
NTS

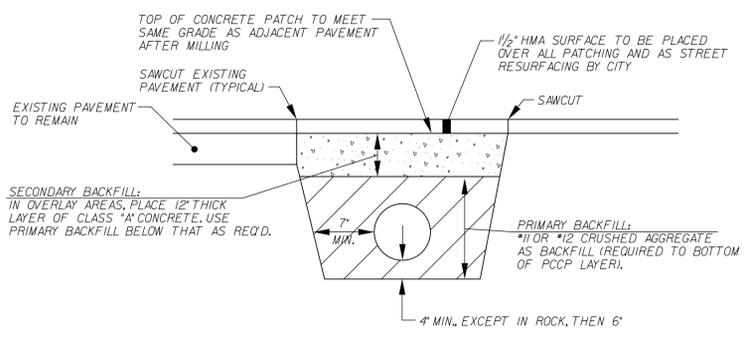


F TYPICAL SIDEWALK DETAIL
NTS

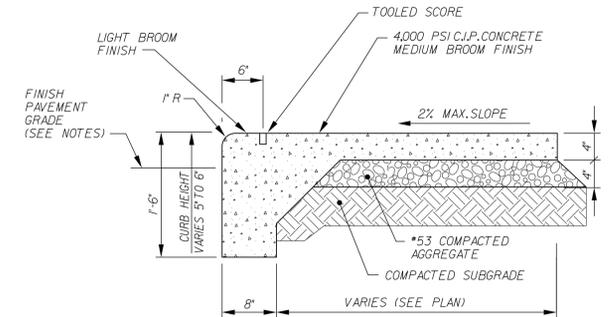
- SIDEWALK JOINT NOTES:**
1. INSTALL 1/2" PREFORMED JOINT FILLER BETWEEN SIDEWALKS AND ANY OTHER FIXED FEATURES (CURBS, STEPS, RAMPS, BUILDINGS, ETC.)
 2. IN EACH SIDEWALK SEGMENT, TOOL CONSTRUCTION JOINTS AT EVEN SPACING BUT NO MORE THAN 6' MAXIMUM APART. INSTALL AN EXPANSION JOINT WITH 1/2" PREFORMED JOINT FILLER AT A MAXIMUM SPACING EVERY 30' IN SIDEWALKS, AND AT EACH SIDEWALK CONNECTION TO OTHER SIDEWALKS, AT CURBS, AND AT RAMPS.

- CURB JOINTS NOTE:**
1. ALL CURBS SHALL RECEIVE A FULL DEPTH EXPANSION JOINT FORMED WITH 1/2" PREFORMED JOINT FILLER AT THE FOLLOWING LOCATIONS:
 - EVERY EXPANSION JOINT IN ADJACENT SIDEWALKS OR MEDIAN BUFFER STRIP
 - AT EACH RADIUS POINT AND AT START/END OF DRIVES
 - ON EITHER SIDE OF CURB INLETS OR OTHER CASTINGS
 - AT SAWCUT, LIMITS OF REMOVAL TO ANY EXISTING CURB
 - AT 100' MAXIMUM INTERVALS, IF NO OTHER JOINTS NEEDED
 2. CURBS & COMBINED CURB AND GUTTER SHALL RECEIVE A TOOLED CONTRACTION JOINT AT 20' MAXIMUM SPACING.

- CURB RAMPS AND TRUNCATED DOMES:**
1. RAMPS TO BE CONSTRUCTED AT A MAXIMUM 12% SLOPE TO A LANDING AREA FOR ENTRY ONTO ROADWAY PER PLANS.
 2. RAMPS ARE TO RECEIVE DETECTABLE WARNING PLATES, PER CITY STANDARDS. PLATES SHALL BE EAST JORDAN IRON WORKS, MODEL #7005. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
 3. RAMPS SHALL BE IN GENERAL ACCORDANCE WITH INDOT RAMP TYPES A AND D, EXCEPT WIDTH AND LAYOUT SHALL BE PER PLANS, AND CITY REQUIRES IRON PLATES AS NOTED.

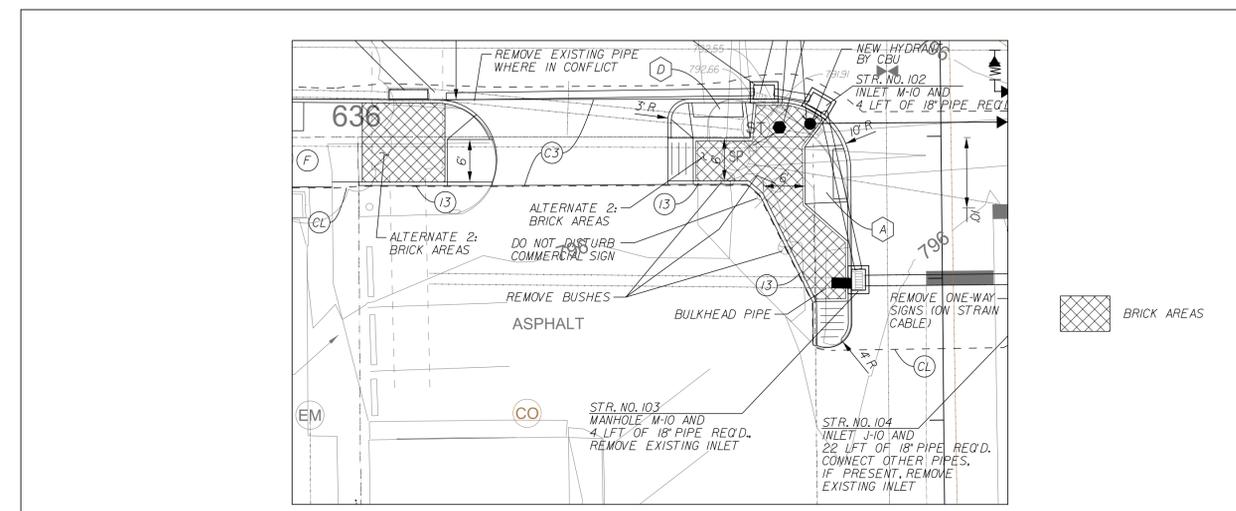


PIPE BACKFILL AND PAVEMENT PATCHING
NTS

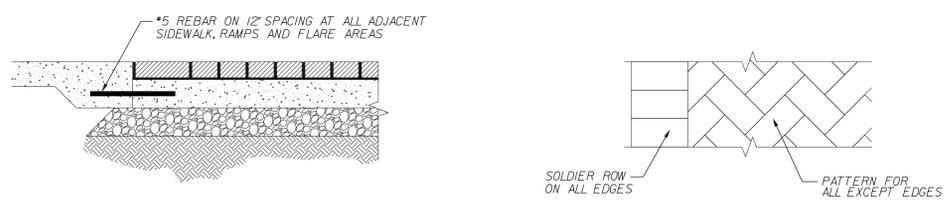
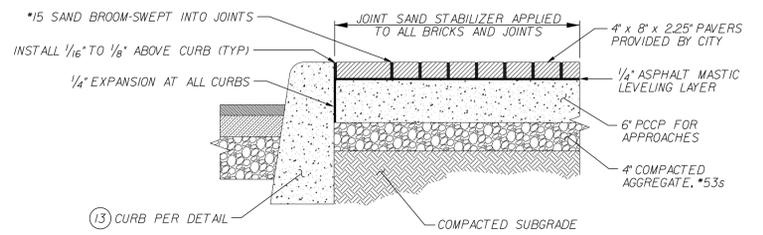


IC INTEGRAL CURB AND WALK
NTS

- NOTES:
1. HAND FINISH CURB TO A 6" DEPTH (TYP.)
 2. THIS DETAIL MAY BE USED WHERE NEW CONCRETE WALKS ARE NEXT TO NEW CURBS.
 3. USE IN CONJUNCTION WITH PAVEMENT PATCH DETAIL.



SOUTH WEST CORNER AREA



BRICK PAVEMENT SECTIONS
ALTERNATE 2 - PARTIAL BRICK SIDEWALK IN SOUTHWEST CORNER

STRUCTURE DATA											
STRUCTURE NUMBER	SIZE	PIPE MATERIAL	MANHOLE, CATCH BASIN, INLET, OR SPECIALTY STRUCTURE	LENGTH	SLOPE	COVER	FLOWLINE			CONNECT TO STR.	REMARKS
							UP STREAM	DOWN STREAM	CASTING		
	in			ft	%	ft	ELEV.	ELEV.	ELEV.		
STORM SEWERS											
101	18	AWWA C905	INLET J-10	44	1.00	1.7	791.00	Approx 790.5	795.20	Box Culv.	Re-use existing hole in box culvert, enlarge as needed, reseal with concrete
102	18	AWWA C905	INLET J-10	4	1.00	1.4	791.20	791.10	795.10	101	
103	18	AWWA C905	INLET J-10	23	1.00	1.5	791.60	791.30	795.63	102	Bulkhead existing pipe to west with Concrete
104	18	AWWA C905	INLET J-10	25	1.00	1.2	792.00	791.70	795.67	103	

- NOTES:
1. ALL PIPES SHALL BE WATER-GRADE DUE TO PROXIMITY TO WATERMAINS.
 2. ALL INLETS AND MANHOLES SHALL INCLUDE CAST IN PLACE TROUGH (BENCHING) THROUGH THE STRUCTURE. MANHOLES WITH INLET CASTINGS MAY BE SUBSTITUTED.
 3. ALL WORK ON INLETS AND MANHOLES, BOTH STORM AND SANITARY, SHALL BE PER CBU SPECIFICATIONS.
 4. CONTRACTOR SHALL REQUEST A PRECONSTRUCTION MEETING WITH CBU.
 5. CONTRACTOR SHALL MEET CBU REQUIREMENTS FOR INSPECTIONS OF STORM STRUCTURES, AND OBTAIN WRITTEN CBU APPROVAL FOR THE WORK.



RECOMMENDED FOR APPROVAL: *Bridgway* DESIGN ENGINEER 06/23/14 DATE

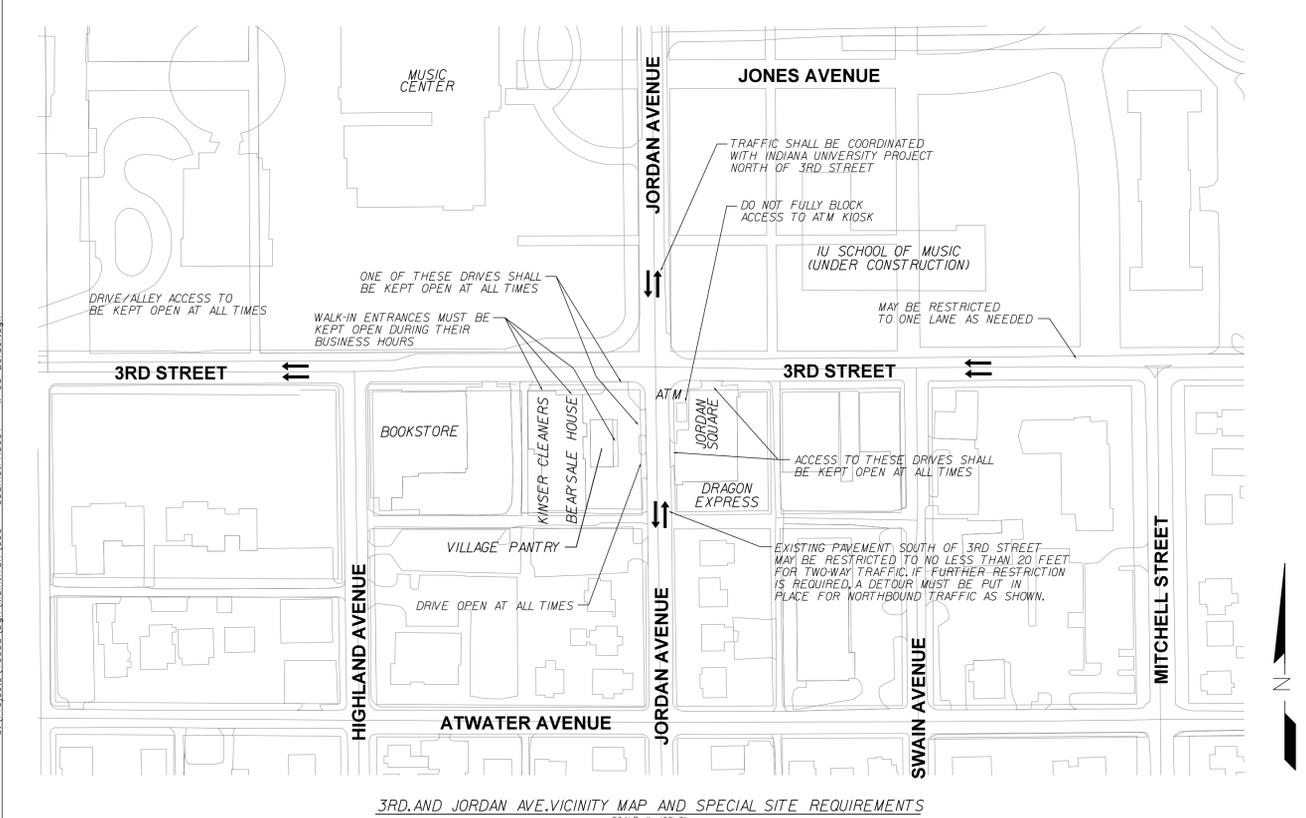
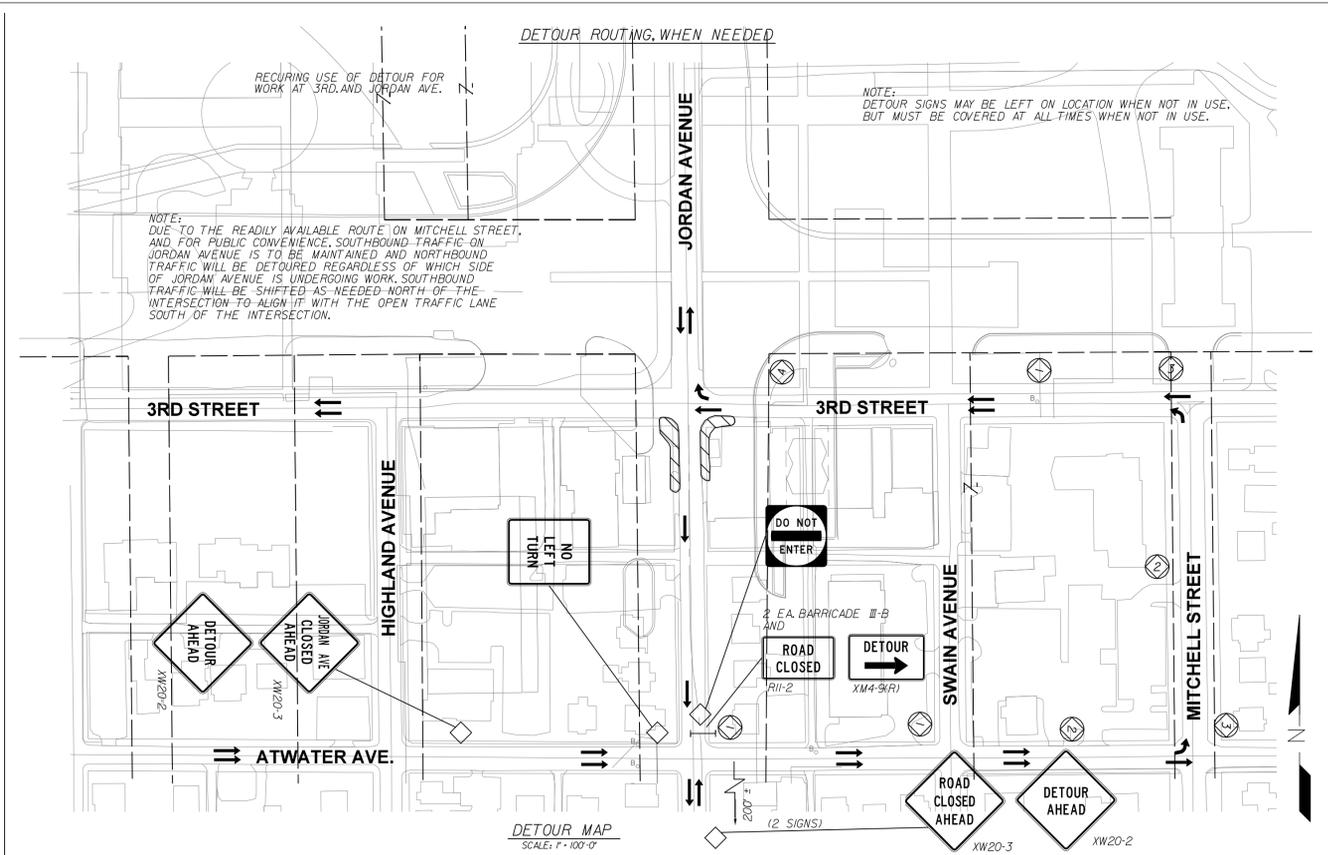
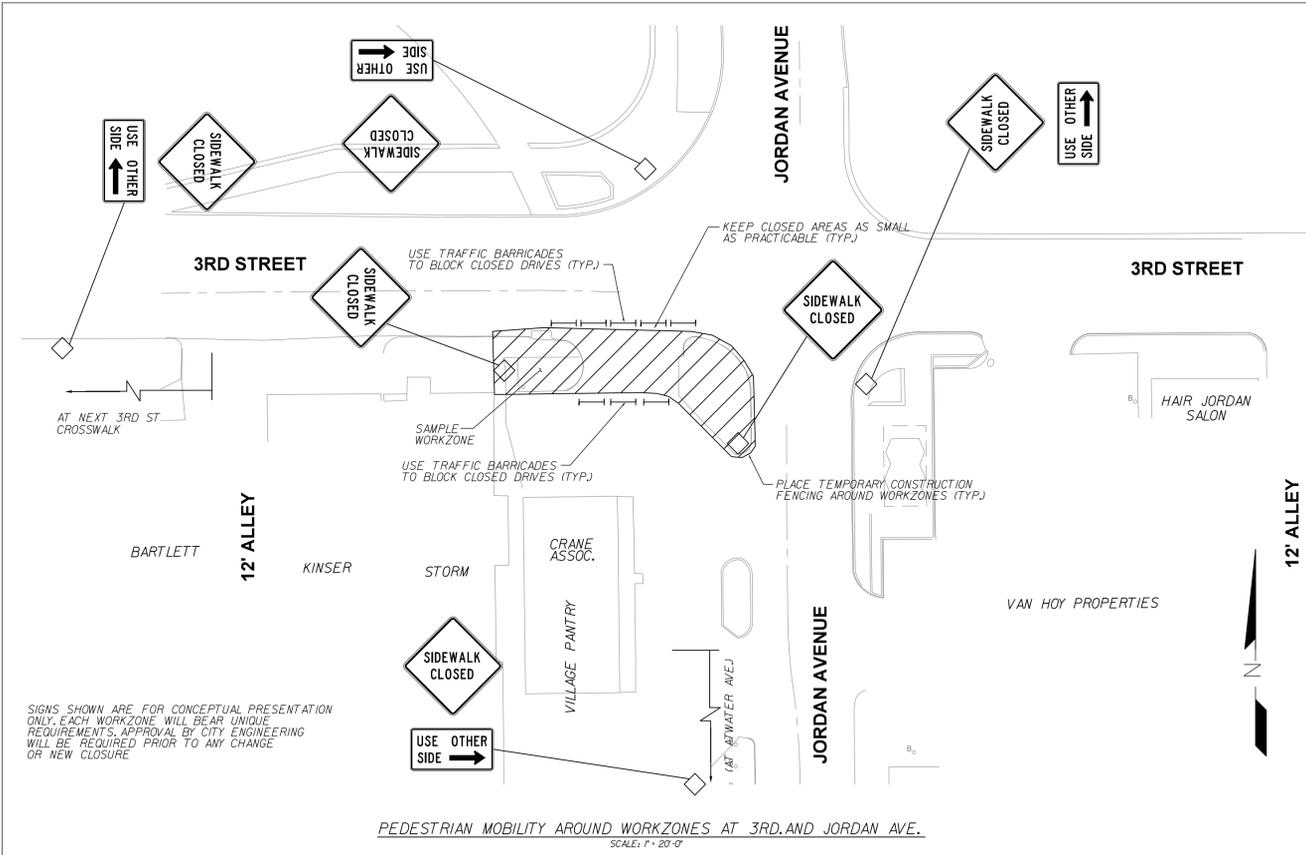
DESIGNED: BR DRAWN: SCS

CHECKED: X CHECKED: BR

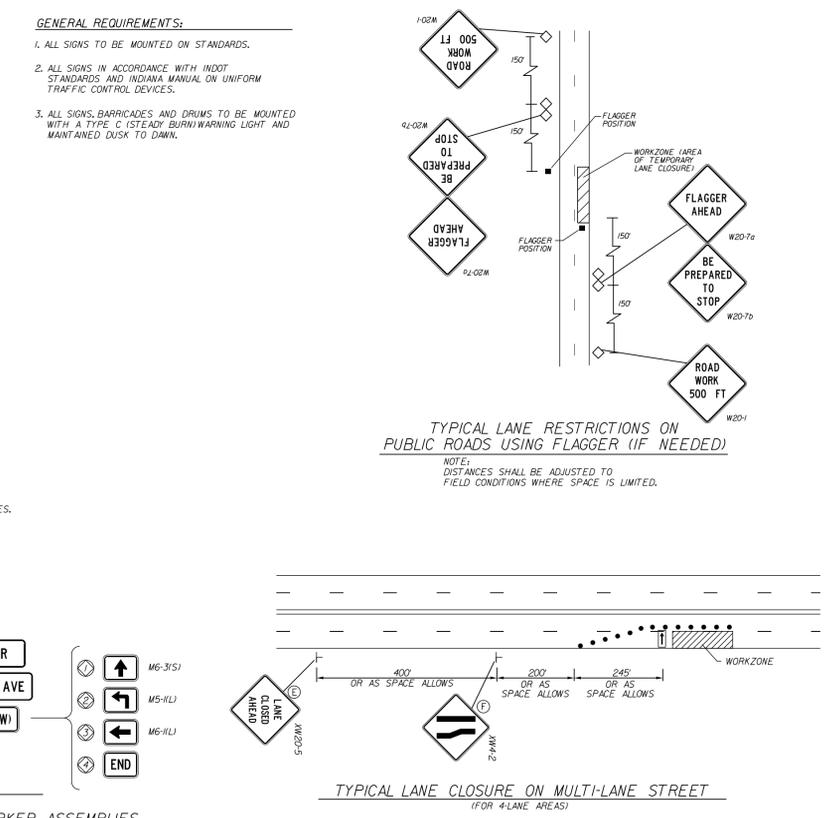
CITY OF BLOOMINGTON

TYPICAL DETAILS AND RAMP STANDARD DETAILS

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
SURVEY BOOK	DESIGNATION
CONTRACT	SHEETS
	2 of 4
	PROJECT
	3RD ST AND JORDAN AVE.



- MAINTENANCE OF TRAFFIC AND ACCESS REQUIREMENTS FOR 3RD AND JORDAN AVE.**
- LANE/ROAD RESTRICTION REQUIREMENTS**
- FULL ROAD CLOSURES OF EITHER 3RD STREET OR JORDAN AVENUE ARE NOT ALLOWED AT ANY TIME. TEMPORARY LANE RESTRICTIONS WITH FLAGGERS AND APPROPRIATE SIGNAGE OR FLASHING ARROW WITH SIGNAGE WILL BE ALLOWED BUT ONLY DURING DAYLIGHT HOURS.
 - LANE RESTRICTIONS WILL BE ALLOWED FOR DRIVE REPLACEMENT, CURB INSTALLATION, STRUCTURE INSTALLATION AND SIDEWALK CONSTRUCTION, BUT ONLY DURING DAYLIGHT WORK HOURS. NO OVERNIGHT RESTRICTIONS ARE PERMITTED.
 - FLAGGER OPERATIONS AND TEMPORARY SIGNAGE IN ACCORDANCE WITH INDIANA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ARE REQUIRED FOR ALL LANE RESTRICTIONS ON JORDAN AVENUE.
 - INCOMPLETE EXCAVATIONS SHALL BE COVERED AS NEEDED USING STEEL PLATES. TEMPORARY BACKFILL OR OTHER APPROVED MEANS. TRENCHES SHALL BE FILLED OR BARRICADED DAILY.
- ACCESS TO BUSINESS REQUIREMENTS**
- CONTRACTOR SHALL CONTACT EACH BUSINESS A MINIMUM OF 1 WEEK PRIOR TO WORK IN FRONT OF THAT BUSINESS TO DISCUSS ACCESS NEEDS AND TO INFORM THEM OF THE PAVING SCHEDULE.
 - ACCESS TO BUSINESSES AND RESIDENCES: ALL WORK MUST BE CONDUCTED SUCH THAT A USABLE ACCESS IS KEPT IN SERVICE TO EACH BUSINESS OR RESIDENCE. ANY INTERRUPTIONS OF BUSINESS ACCESS WILL BE COORDINATED WITH OWNERS TO OCCUR DURING NON-OPERATING HOURS. IF POSSIBLE, RESTRICTIONS TO ACCESS MUST BE COORDINATED AT LEAST 48 HOURS IN ADVANCE. ACCESS MUST BE RESTORED WHEN CONTRACTOR IS NOT WORKING USING TEMPORARY AGGREGATE OR STEEL PLATING.
 - NO MORE THAN ONE DRIVE AT VILLAGE PANTRY MAY BE CLOSED AT A TIME.
 - PEDESTRIAN ACCESS TO BUSINESSES MUST ALSO BE MAINTAINED. USE OF TEMPORARY WALKWAYS MAY BE REQUIRED. PAVING AT A BUSINESS FRONT DOOR WILL REQUIRE WORK DURING NON-OPERATING HOURS AND SPECIAL MEASURES SUCH AS FAST CURING CONCRETE MAY BE REQUIRED.
- PEDESTRIAN NOTES FOR 3RD AND JORDAN AVE. INTERSECTION:**
- DUE TO HEAVY PEDESTRIAN USE, ONLY ONE CORNER MAY BE CLOSED TO PEDESTRIANS AT A TIME.
 - MULTIPLE CORNERS MAY BE WORKED, BUT AN AVAILABLE PEDESTRIAN ROUTE MUST BE AVAILABLE ON THREE OF THEM.
 - ONE CROSSING NORTH-SOUTH, AND ONE CROSSING EAST-WEST MUST BE AVAILABLE AT ALL TIMES.
 - CONTRACTOR SHALL USE TEMPORARY CONSTRUCTION FENCING MOUNTED TO TEMPORARY POSTS TO GUIDE PEDESTRIAN PASSAGE THROUGH WORKZONES AS NEEDED.
 - WITH REGARD TO A CLOSED CORNER, CONTRACTOR SHALL PLACE TEMPORARY SIGNAGE FOR "SIDEWALK CLOSED AHEAD" AND "USE OTHER SIDE" AS NEEDED TO ENCOURAGE CROSSING AT THE NEAREST CROSSWALK (GENERALLY ONE BLOCK FROM CLOSURE) IN EACH DIRECTION FROM THE CLOSURE.
 - PEDESTRIAN ROUTE CLOSURES ARE TO BE COORDINATED WITH LANE RESTRICTIONS AS NEEDED.



MAINTENANCE OF TRAFFIC LEGEND

- INDOT STANDARD DRUM WITH STEADY BURN LIGHTS
- FLASHING ARROW SIGN
- BARRICADE (TYPE III)
- CONSTRUCTION SIGNS (SHAPE PER MUTCD)
- TRAFFIC FLOW DIRECTION
- DETOUR ROUTE MARKER ASSEMBLIES (SEE DETAIL)

ALL SIGNS, BARRICADES, DRUMS, FLASHING ARROWS, DETOUR ROUTE MARKER ASSEMBLIES, FLAGGING OPERATIONS, AND RELATED WORK SHALL BE INCLUDED IN THE LUMP-SUM COST OF THE PROJECT

SPECIAL MAINTENANCE OF TRAFFIC REQUIRED FOR WORK AT 3RD / JORDAN

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	05/30/14
DESIGNED BY	BR	SCS	BR
CHECKED BY	BR	CHECKED BY	BR
CITY OF BLOOMINGTON			
MAINTENANCE OF TRAFFIC AND ACCESS PLANS			
CONSULTANT PROJECT NUMBER	ERGES 090		
SHEET	4 OF 4		
PREPARED BY:	 1321 Laurel Oak Drive Avon, Indiana 46123 (317) 970-9672		
REVISIONS	REVISION	DATE	BY

6/23/2014 7:21:08 AM C:\Projects\10098A_Don_Maint\Traffic\090 - w_93_Border.dgn MOT_ACCESS