WALNUT STREET

IMPROVEMENT PROJECT

LOCHMUELLER GROUP

THE CITY OF EVANSVILLE INDIANA

evansville
SOUTHWEST INDIANA

is for everyone.

Meeting Format

- 6:00 – 6:15 Open House
- 6:15 – 6:35 Presentation
- 6:35 – 8:00 Group Facilitation

(Open House from 6:35 – 8:00)

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Why Walnut Street?

- VOICE Initiative
  - Community-wide, citizen-driven planning process to create vision for preferred future
- Connectivity
  - All modes of transportation
  - Neighborhoods, cultural hot spots, universities, destinations, healthy green spaces
- Walnut has it all

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What is a Road Diet and Why?

- Reduce # of lanes
- Provide “Complete Street”
  - Multiple modes
    - Vehicular – cars, trucks, motorcycles, transit
    - Walking/Running
    - Biking
- Safer for all modes
- Minimize impacts to adjacent property owners

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How?

- FHWA/INDOT – federal funding
- 80% federal
- 20% local match
  - Regional Cities Dollars
  - EWSU Green Infrastructure Program
  - Vectren
  - Welborn Baptist Foundation

Proposed Project Phasing

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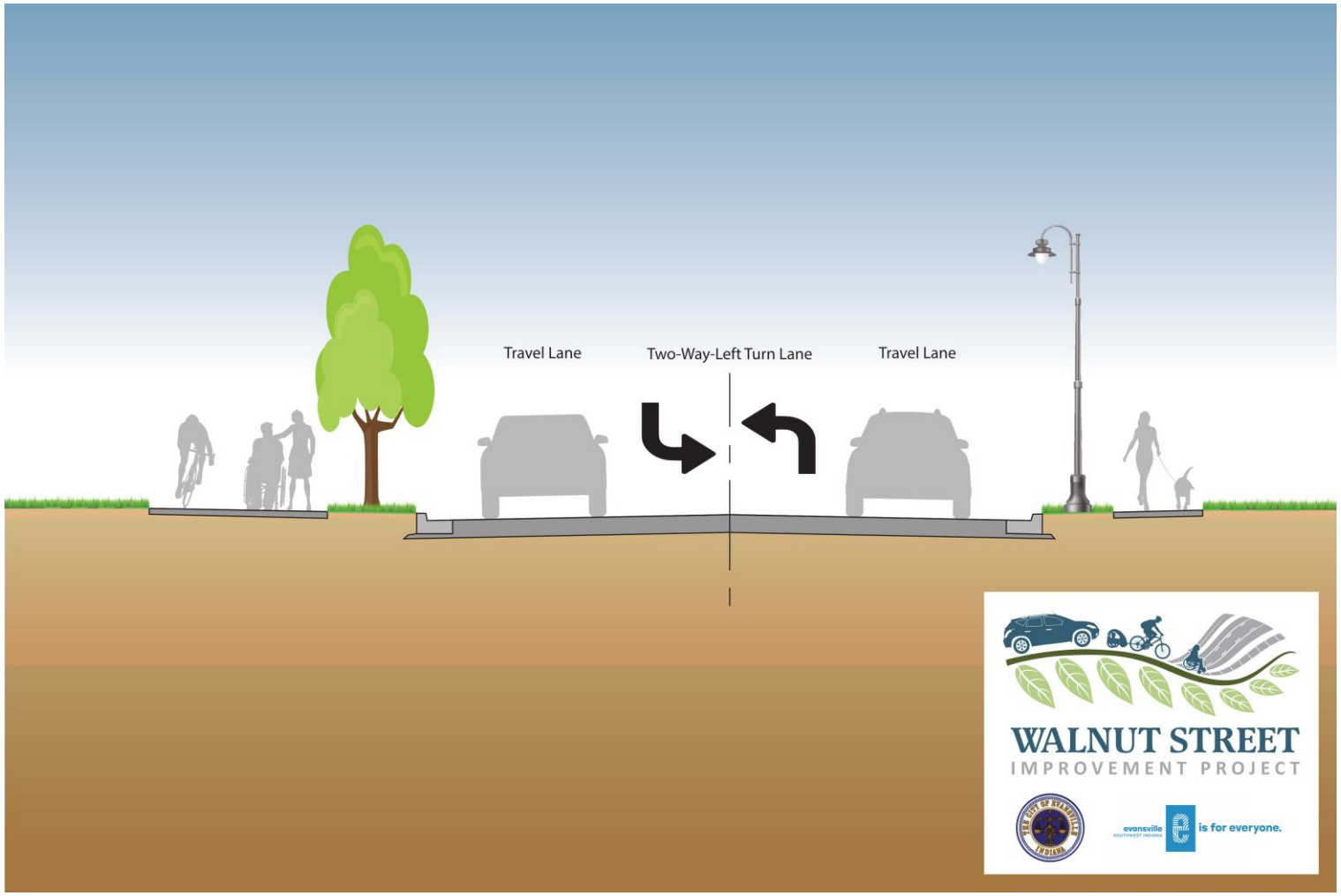
Typical Section



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Phase 1 and Phase 2 Schedules

SCHEDULE

Phase 1 Project Development

- **Preliminary Plans – August, 2018**
- **Final Plans – October, 2019**
- **Letting – January, 2020**

SCHEDULE

Phase 2 Project Development

- **Preliminary Plans – January, 2019**
- **Final Plans – June, 2020**
- **Letting – October, 2020**

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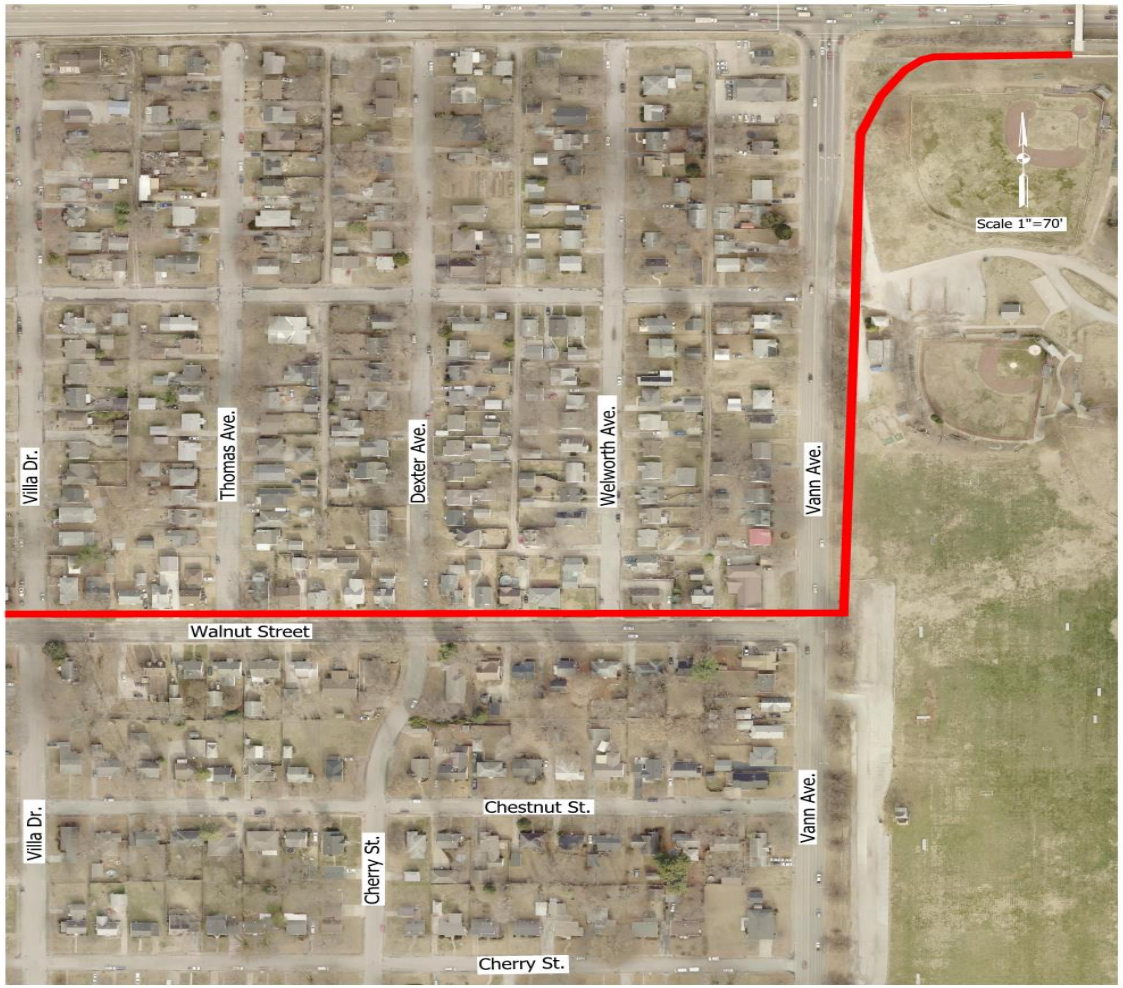
Multi-Use Trail Connection to the State Hospital Grounds



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University of Evansville

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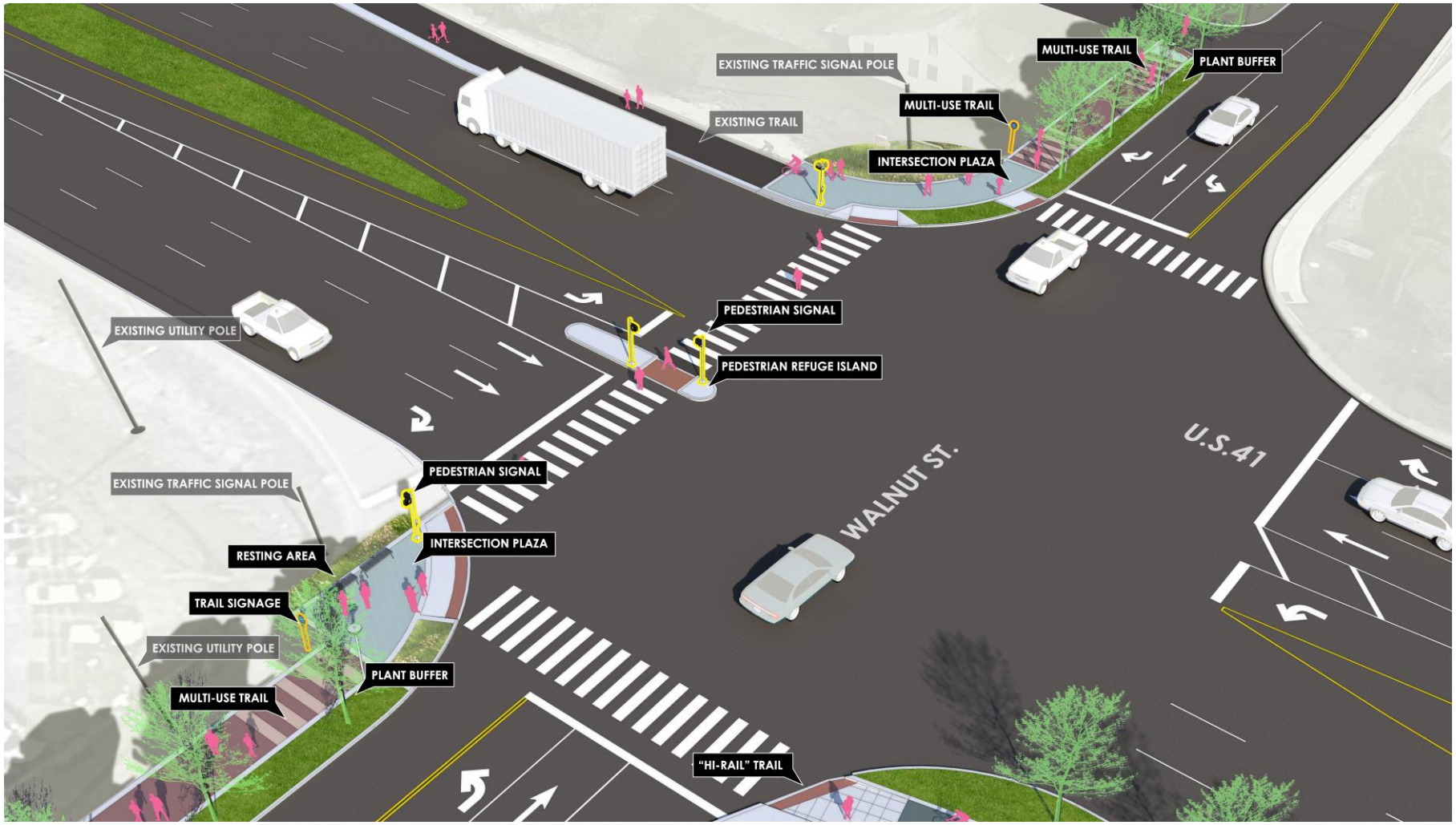
Multiple Multi-Use Trail Connections



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Martin Luther King Jr. / Walnut Street Intersection

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Existing Multi-Use Trail at MLK Jr.

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Green Infrastructure

Rain Garden

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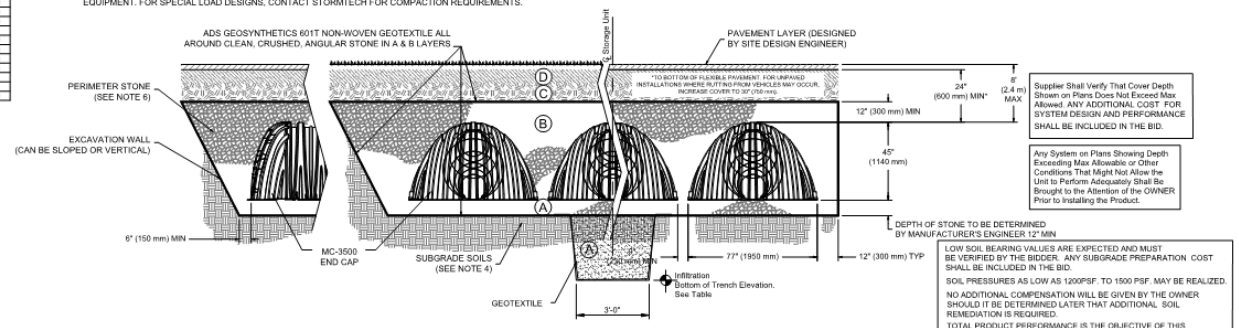
Green Infrastructure

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. [2] [3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.

Unit #	Isolator Row Invert Floor Elev.	Approx. Sand Elev.	Bottom Infiltration Elev.
1	377.00	★ 376.0±	374.00
2	373.00	379.2±	NTR
3	373.00	379.1±	NTR
4	373.00	379.1±	NTR
5	375.00	379.0±	NTR
6	377.00	379.8±	NTR
7	376.00	376.8±	374.80
8	379.00	380.0±	378.00
9	379.00	380.3±	378.30
10	379.80	380.5±	378.50
11	377.00	377.5±	375.50
12	377.00	378.5±	376.50
13	380.00	★ 377.0±	375.00
14	375.00	379.6	NTR
15	379.00	377.5	375.50
16	378.50	377.8±	375.80
17	377.50	377.2±	375.20
18	376.40	375.25±	373.25
19	(not used)		
20	(not used)		
21	376.00	376.8±	374.80

NTR= No Trench Required
★ No Sand Shown in Boring @ Full Depth of Boring=10'



NOTES:

1. MC-3500 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
4. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
   PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

Stormwater Detention Chambers

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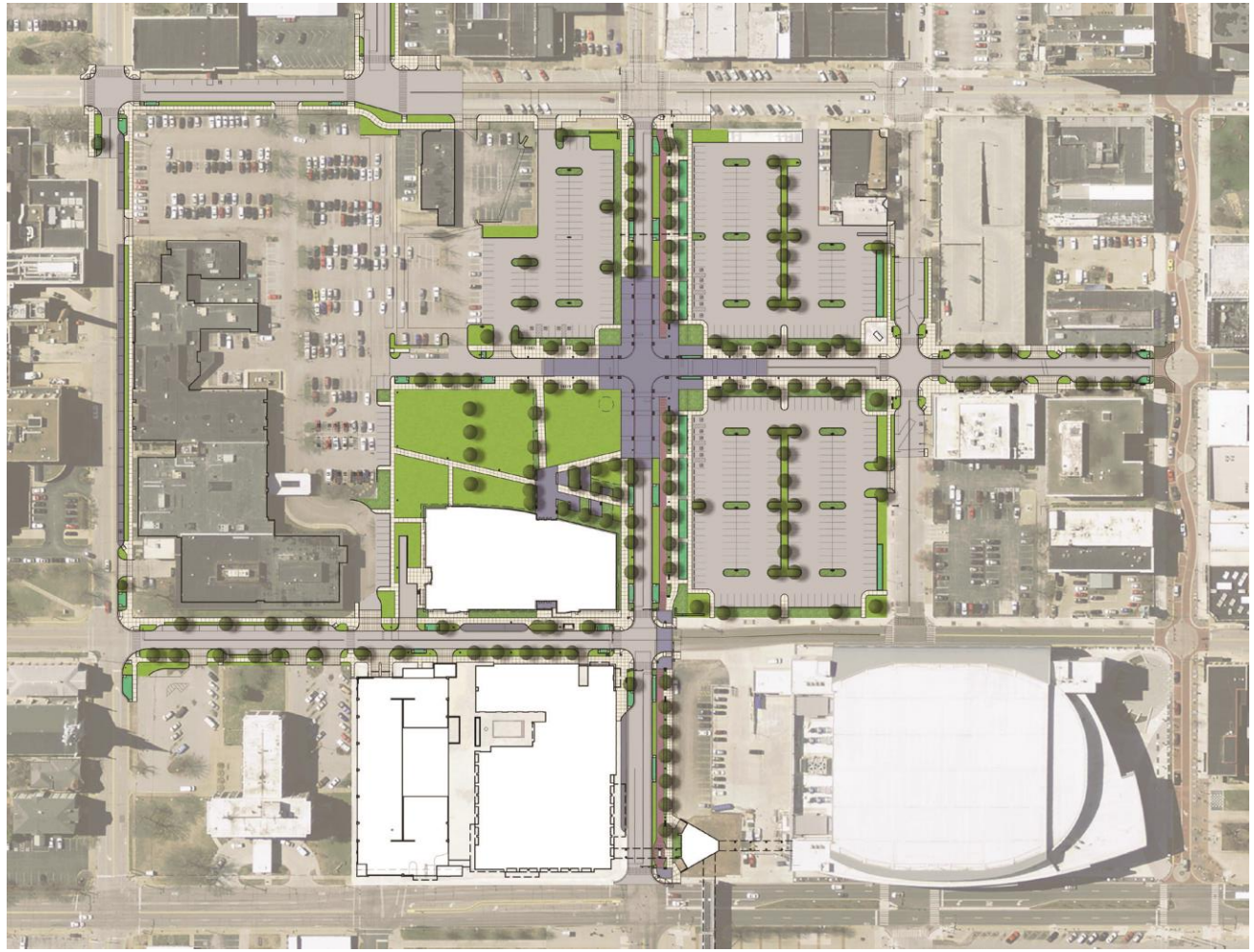
IU Medical School / I-Light Connection



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METS – Comprehensive Operations Analysis

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What's Next?

- Neighborhood Meetings (July & August)
- Stakeholder Meetings (July)
- Public Hearing #1 (November 2018)
- Public Hearing #2 (April 2019)

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Information and Input

- Project Website: www.evansville.in.gov/walnutstreet

- Sign-In Sheets
- Comment Cards
- Open House
- Facilitation Process

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Thank You

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