

ISSUED FOR CONSTRUCTION

ENGINEER'S PROJECT NO. 11170
DATE: 10-05-2023

SHEET INDEX

- C100 TITLE SHEET
- C101 EXISTING SITE CONDITION PLAN
- C201 EROSION CONTROL PLAN
- C301 SELECTIVE SITE DEMOLITION PLAN
- C401 SITE IMPROVEMENT PLAN
- C501 SITE GRADING PLAN
- C601 LANDSCAPE PLAN
- C701 SITE DETAILS
- C801 MAINTENANCE OF TRAFFIC PLAN

LIBERTY DRIVE SIDEWALK IMPROVEMENTS

OWNER'S ADDRESS:

City of Bloomington
401 N Morton St
Bloomington, IN 47404

PROJECT ADDRESS:

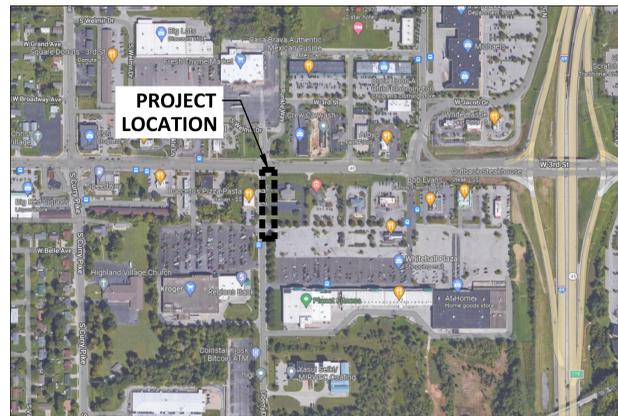
Liberty Drive, south of 3rd Street,
Bloomington, IN 47401

STAMPS & APPROVALS:



SPECIFICATIONS

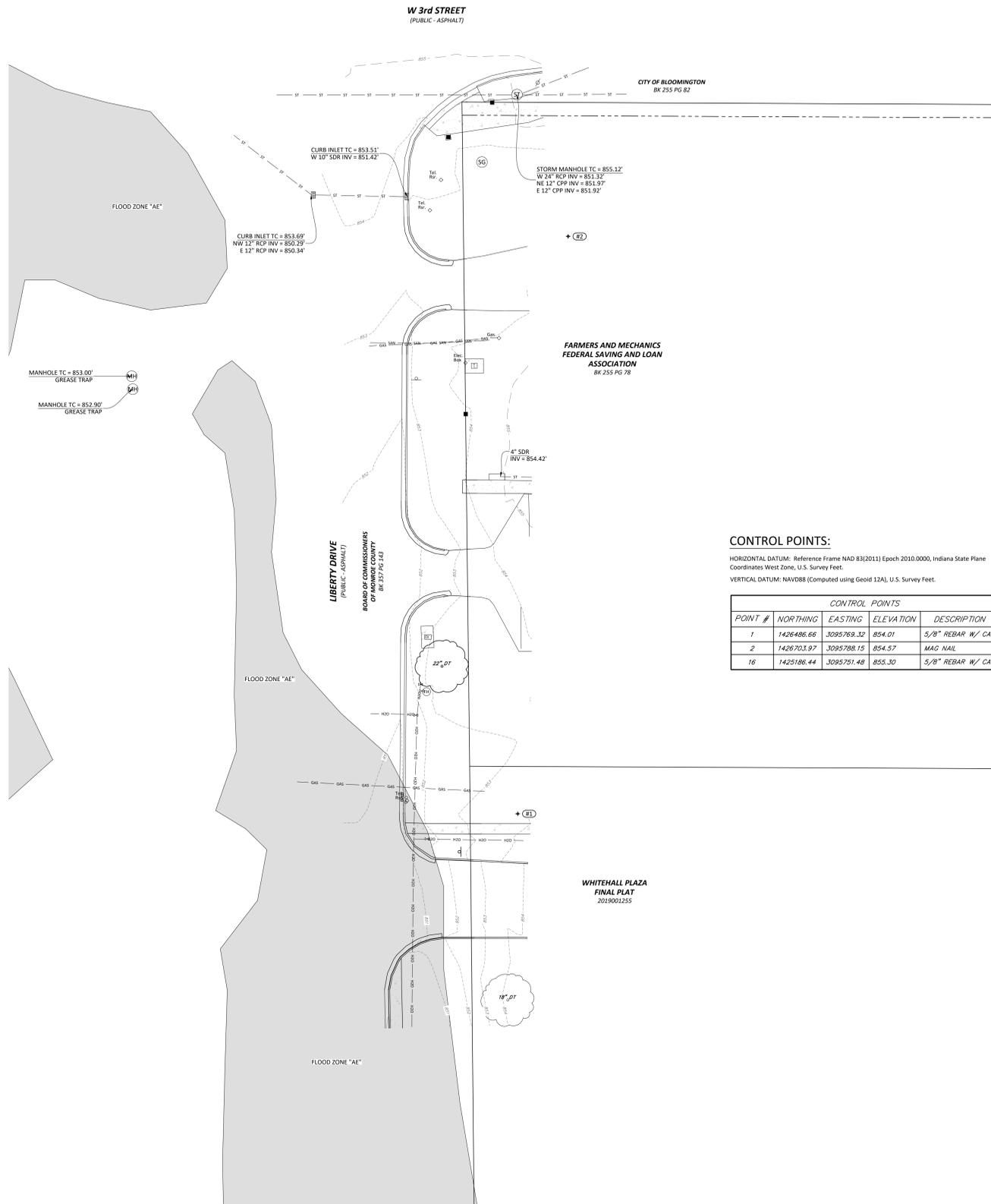
REFER TO: PROJECT MANUAL
CITY OF BLOOMINGTON CONSTRUCTION SPECIFICATIONS
INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS 2020 AND SUPPLEMENTS THERETO



PROJECT LOCATION MAPS
NTS



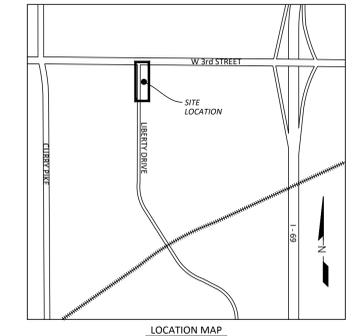
**TOPOGRAPHIC SURVEY
A PART OF THE NORTHEAST QUARTER OF
SECTION 1, T8N, R1W
MONROE COUNTY, INDIANA.**



CONTROL POINTS:

HORIZONTAL DATUM: Reference Frame NAD 83(2011) Epoch 2010.0000, Indiana State Plane Coordinates West Zone, U.S. Survey Feet.
VERTICAL DATUM: NAVD88 (Computed using Goid 12A), U.S. Survey Feet.

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1426486.66	3095769.32	854.01	5/8" REBAR W/ CAP
2	1426703.97	3095788.15	854.57	MAG NAIL
16	1425186.44	3095751.48	855.30	5/8" REBAR W/ CAP



- LEGEND:**
- ▲ YARD LIGHT
 - LIGHT POLE
 - ⊕ SIGNAL POLE
 - ⊕ UTILITY POLE
 - GUY WIRE
 - ⊕ CATCH BASIN
 - ⊕ CURB INLET
 - ⊕ ELECTRIC MH
 - ⊕ MANHOLE
 - ⊕ PHONE MH
 - ⊕ SANITARY MH
 - ⊕ SIGNAL MH
 - ⊕ STEAM MH
 - ⊕ STORM MH
 - ⊕ WATER METER
 - ⊕ ELEC. METER
 - ⊕ CLEANOUT
 - ⊕ GAS METER
 - ⊕ GAS VALVE
 - ⊕ WATER MH
 - ⊕ FIRE HYDRANT
 - ⊕ SPR. HOOKUP
 - ⊕ SPRINKLER
 - FENCE
 - GUARDRAIL
 - OVERHEAD WIRES
 - UNDER ELEC.
 - GAS LINE
 - SAN SEWER LINE
 - ST — STORM SEWER LINE
 - UNDER TELEPHONE
 - EXISTING WATER LINE
 - CHILLED WATER LINE
 - SIGN
 - R.O.W. MON.
 - MONITORING WELL
 - BOLLARD
 - BORE HOLE
 - DOWNSPOUT
 - GATE POST
 - PARKING METER
 - T-POST
 - WOOD POST
 - PARKING SPACES
 - TRANSFORMER
 - ELEC. VAULT
 - PHONE VAULT
 - STEAM VAULT
 - VALVE VAULT
 - AC UNIT
 - WATER VALVE
 - FIRE MAIN POST
 - MAILBOX
 - PROP. TANK
 - PARKING BLOCK
 - POST
 - ⊕ FD AXEL
 - ⊕ FD BRASS DISK
 - ⊕ FD COT GIN SPOLE
 - ⊕ FD CHISELED X
 - ⊕ SET DRILL HOLE
 - ⊕ FD HARRISON MON.
 - ⊕ SET HARRISON MON.
 - ⊕ SET HUB/TACK
 - ⊕ FD REBAR
 - ⊕ SET REBAR
 - ⊕ FD MAG NAIL
 - ⊕ SET MAG NAIL
 - ⊕ FD NAIL
 - ⊕ SET NAIL
 - ⊕ FD PIPE
 - ⊕ FD RR SPIKE
 - ⊕ SET RR SPIKE
 - ⊕ FD STONE
 - ⊕ FD REBAR
 - ⊕ RECORDED B&D
 - ⊕ MEASURED B&D
 - ⊕ CALCULATED B&D
 - ⊕ (PROP) PROPORTIONAL DIST.
 - ⊕ A.G. ABOVE GROUND
 - ⊕ B.G. BELOW GROUND
 - ⊕ CONF. TREE
 - ⊕ DECID. TREE
 - ⊕ SHRUB
 - ⊕ PHONE RISER-BOX
 - ⊕ TV RISER-BOX
 - ⊕ ELEC. RISER-BOX
 - ⊕ GAS RISER-BOX

NOTES:

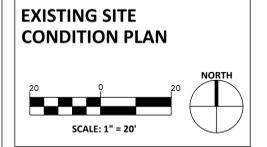
- FIELD WORK PERFORMED OCTOBER 13, 2022.
- CONTOURS REPRESENT 1-FOOT INTERVALS.
- UTILITIES SHOWN HEREON ARE PER OBSERVED ABOVE GROUND EVIDENCE AND FROM UTILITY MARKINGS PLACED ON THE GROUND BY INDIANA'S MEMBER UTILITIES (SEE TICKETS BELOW). MEMBER UTILITIES DO NOT LOCATE PRIVATE LINES OR FACILITIES. MEMBER UTILITIES DO NOT LOCATE SERVICE LINES NOR ALL UTILITIES WHEN A SURVEY IS THE PURPOSE OF THE TICKET. OVERHEAD UTILITIES ARE IDENTIFIED AS OVERHEAD WITHOUT SPECIAL INVESTIGATION AS TO THE TYPE OR NATURE. STORM AND SANITARY INVERT ELEVATIONS, PIPE SIZES, AND MATERIALS ARE ALL APPROXIMATE BASED ON LIMITED INFORMATION AVAILABLE FROM THE SURFACE. NO STRUCTURES WERE ENTERED TO ACCURATELY MEASURE PIPE SIZES OR TO VERIFY PIPE TYPE AND MATERIAL. STRUCTURE GRATES AND COVERS SHOWN SHOULD NOT BE ASSUMED TO BE THE CENTER OF THE BELOW GROUND STRUCTURE. ALL UTILITIES INCLUDING LOCATIONS AND SIZES NEED TO BE VERIFIED PRIOR TO CONSTRUCTION EFFORTS.
- THE FOLLOWING ARE THE INDIANA 811 TICKET NUMBERS FOR THIS PROJECT: 2210112420, 2210112478
- THE FOLLOWING ARE THE MEMBER UTILITIES NOTIFIED BY INDIANA 811:
DUKE ENERGY ELECTRIC
COMCAST CABLE (SOUTH) CABLE TV
CENTERPOINT ENERGY (SOUTH) (FORMERLY VECTREN) GAS
BLOOMINGTON TRAFFIC DIVISION, CITY OF TRAFFIC LIGHTS
BLOOMINGTON UTILITIES, CITY OF SEWER, WATER
SMITHVILLE TELEPHONE (BATHOLOMEW COUNTY) COMMUNICATIONS, FIBER OPTIC
AT&T - DISTRIBUTION COMMUNICATIONS
- The utilities shown on this survey represent Quality Level 8 standard of care. The American Society of Civil Engineers (ASCE) has developed an important standard of care guideline, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data, GIANCE 18-02. This standard guideline describes four quality levels of utility depiction:
Quality Level D - Information derived from existing records or oral recollections.
Quality Level C - Information obtained by surveying and plotting visible above-ground utility features and by using professional judgment in correlating this information to Quality Level D.
Quality Level B - Information obtained through the application of appropriate surface geophysical methods to determine the existence and approximate horizontal position of subsurface utilities.
Quality Level A - Precise horizontal and vertical location of utilities obtained by the actual exposure and subsequent measurement of subsurface utilities, usually at a specific point.
To order a copy of ASCE Standard 18-02, please go to the ASCE Bookstore: <http://www.pubs.asce.org/> or call 1-800-548-2723.
- THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY, OR A SURVEYOR LOCATION REPORT.
- FEMA lines shown approximately based on shape files downloaded from the on-line FEMA Flood Map Service Center.

LEGEND

- ▲ YARD LIGHT
- LIGHT POLE
- ⊕ SIGNAL POLE
- ⊕ UTILITY POLE
- GUY WIRE
- ⊕ CATCH BASIN
- ⊕ CURB INLET
- ⊕ ELECTRIC MH
- ⊕ MANHOLE
- ⊕ PHONE MH
- ⊕ SANITARY MH
- ⊕ SIGNAL MH
- ⊕ STEAM MH
- ⊕ STORM MH
- ⊕ WATER METER
- ⊕ ELEC. METER
- ⊕ CLEANOUT
- ⊕ GAS METER
- ⊕ GAS VALVE
- ⊕ WATER VALVE
- ⊕ FIRE HYDRANT
- ⊕ SPR. HOOKUP
- ⊕ SPRINKLER
- FENCE
- GUARDRAIL
- OVERHEAD WIRES
- UNDER ELEC.
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- T-POST
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- PARKING SPACES
- TRANSFORMER
- PHONE VAULT
- STEAM VAULT
- VALVE VAULT
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- FIRE MAIN POST
- MAILBOX
- PROP. TANK
- PARKING BLOCK
- POST
- ⊕ FD AXEL
- ⊕ FD BRASS DISK
- ⊕ FD COT GIN SPOLE
- ⊕ FD CHISELED X
- ⊕ SET DRILL HOLE
- ⊕ FD HARRISON MON.
- ⊕ SET HARRISON MON.
- ⊕ SET HUB/TACK
- ⊕ FD REBAR
- ⊕ SET REBAR
- ⊕ FD MAG NAIL
- ⊕ SET MAG NAIL
- ⊕ FD NAIL
- ⊕ SET NAIL
- ⊕ FD PIPE
- ⊕ FD RR SPIKE
- ⊕ SET RR SPIKE
- ⊕ FD STONE
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- ⊕ GAS RISER-BOX



LIBERTY DRIVE SIDEWALK IMPROVEMENTS
West 3rd Street South
Bloomington, Indiana
BRCJ Project No: 11170



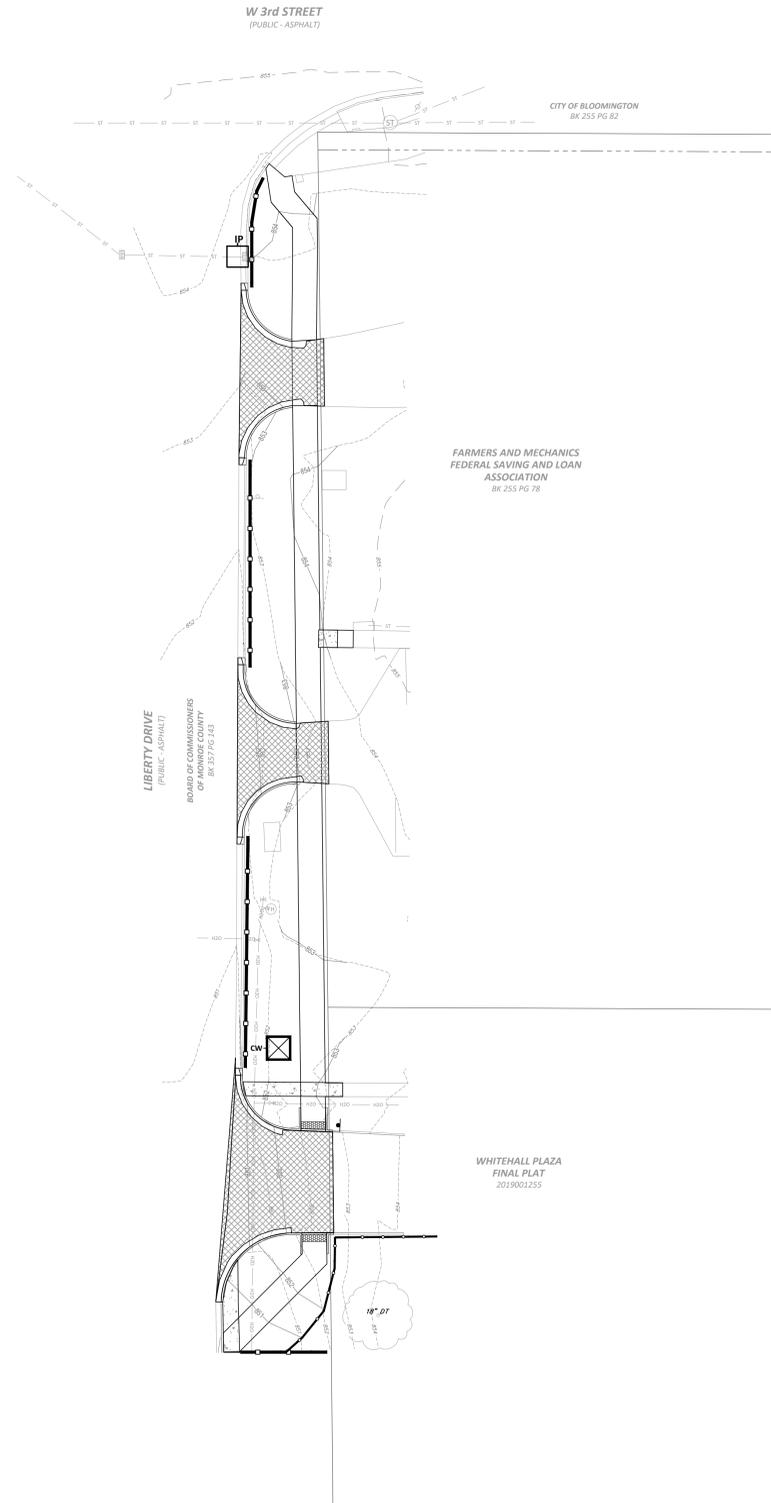
Date: 10-05-2023 Issue: ISSUED FOR CONSTRUCTION

REVISION SCHEDULE		
Rev. #	Rev. Description:	Issue Date

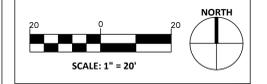
Drawn By: DLN
Designed By: DLN
Checked By: WSR

GENERAL NOTES

1. CONTRACTOR SHALL IMPLEMENT THE CONSTRUCTION OF STORMWATER POLLUTION PREVENTION MEASURES NECESSARY PRIOR TO START OF WORK TO ENSURE SEDIMENT DOES NOT LEAVE THE SITE.
2. MODIFY AND MAINTAIN CONSTRUCTION/STORMWATER POLLUTION PREVENTION DEVICES AS NECESSARY TO ENSURE PROPER OPERATION THROUGHOUT PROJECT.
3. STRIPPED TOPSOIL SHALL REMAIN ON SITE. CONTRACTOR TO COORDINATE WITH OWNER REGARDING LOCATION OF STOCKPILE. INSTALL SITE FENCE ON THE DOWNHILL SIDES OF ANY STOCKPILE. TEMPORARY SEED AND MULCH STOCKPILE. DO NOT LEAVE UNCOVERED FOR MORE THAN 10 DAYS.
4. REMOVE ALL CONSTRUCTION/STORMWATER POLLUTION PREVENTION DEVICES UPON COMPLETION OF THE PROJECT OR AS OTHERWISE DIRECTED BY THE ENGINEER.



LIBERTY DRIVE SIDEWALK IMPROVEMENTS
 West 3rd Street South
 Bloomington, Indiana
 BRCJ Project No: 11170
EROSION CONTROL PLAN



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LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- SILT FENCE/FILER SOCK - REFER TO DETAIL 7/C701 AND 9/C701
- CW CONCRETE WASHOUT CONTAINMENT BAG OR DUMPSTER. LINEWIDTH: 10 MIL POLYETHYLENE. IF WASHOUT IS EXCAVATED INTO THE GROUND, DEPTH MUST BE AT LEAST 12" BELOW GRADE, WITH 12" BERMS ABOVE GRADE FOR TOTAL DEPTH OF 24". REMOVE DEPOSITED CONCRETE AT REGULAR INTERVALS TO MAINTAIN AT LEAST 4" OF FREEBOARD AT ALL TIMES. CONTRACTOR TO PROVIDE AND INSTALL A SIGN, ACCEPTABLE TO THE CITY OF BLOOMINGTON, THAT STATES "CONCRETE WASHOUT" AT THE LOCATION OF THE CONCRETE WASHOUT. ALL CONCRETE WASTE MATERIAL TO BE DISPOSED OF OFF-SITE IN APPROVED LANDFILL.
- IP INLET PROTECTION - REFER TO DETAIL SHEET 8/C701
- TREE PROTECTION FENCE - REFER TO DETAIL SHEET 10/C701

Drawn By: DLN
 Designed By: DLN
 Checked By: WSR

C201

GENERAL NOTES

- A. CONTRACTOR IS REQUIRED TO VERIFY FIELD CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO START OF WORK.
- B. THE LOCATION OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE EXACT UTILITY LOCATIONS WITH THE LOCAL UTILITY COMPANIES PRIOR TO COMMENCING ANY WORK. CONTACT THE INDIANA UNDERGROUND PLANT PROTECTION SERVICES, INC. AT 1-800-382-5544.
- C. CONTRACTOR SHALL IMPLEMENT THE CONSTRUCTION OF STORMWATER POLLUTION PREVENTION MEASURES NECESSARY PRIOR TO START OF WORK TO ENSURE SEDIMENT DOES NOT LEAVE THE SITE.
- D. THIS PLAN SHOWS THE OVERALL AREAS OF DEMOLITION TO ALLOW CONSTRUCTION OF IMPROVEMENTS. THE EXACT AREAS OF DEMOLITION SHALL BE ESTABLISHED AND RESTORED BY THE CONTRACTOR. CONTRACTOR SHALL REMOVE ALL DEMOLISHED MATERIAL FROM THE SITE UNLESS NOTED OTHERWISE.
- E. REMOVE EXISTING STRUCTURES, ASPHALT, CONCRETE, GRAVEL, SOIL, LANDSCAPING AND OTHER MATERIALS AS REQUIRED TO CONSTRUCT DESIGNED IMPROVEMENTS UNLESS NOTED OTHERWISE.
- F. CONTRACTOR SHALL SAW CUT ALONG PAVEMENTS AND OTHER ADJOINING SURFACES TO REMAIN. SIDEWALKS AND CURBS SHALL BE REMOVED TO THE NEXT CLOSEST JOINT BEYOND.
- G. AREAS DISTURBED DURING DEMOLITION, CONSTRUCTION, AND GRADING ACTIVITIES SHALL BE RESTORED TO PRE-EXISTING CONDITIONS OR BETTER, UNLESS NOTED OTHERWISE.
- H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK NECESSARY IN ORDER TO COMPLETE THE PROJECT AS DESIGNED.
- I. CONTRACTOR TO PROTECT ALL EXISTING VEGETATION NOT SCHEDULED FOR REMOVAL.

PLAN NOTES 1

- 1. REMOVE EXISTING TREE.
- 2. REMOVE EXISTING ASPHALT PAVING. SAW CUT REMAINING PAVEMENT AT EDGE TO CREATE A CLEAN FLUSH EDGE TO INSTALL NEW PAVEMENT AGAINST.
- 3. REMOVE EXISTING SIDEWALK SAW CUT REMAINING PAVEMENT AT NEAREST JOINT AT OR BEYOND IMPROVEMENT LIMITS.
- 4. REMOVE EXISTING CONCRETE CURB.
- 5. RELOCATE EXISTING PRIVATE STOP SIGN.
- 6. CONTRACTOR TO VERIFY DEPTH OF GAS SERVICE LINE TO PREVENT POTENTIAL CONFLICT BETWEEN CURB REMOVAL/INSTALLATION AND GAS LINE.

LEGEND

△ YARD LIGHT	— FENCE	⊙ FD AXEL
⊙ LIGHT POLE	— GUARDRAIL	⊙ FD BRASS DISK
⊙ SIGNAL POLE	— OVERHEAD WIRES	⊙ FD COT GIN SPIRE
⊙ UTILITY POLE	— USE — UNDER ELEC.	⊙ FD CHISELED X
— CUP WIRE	— GAS	⊙ SET CHISELED X
— UNDER TELEPHONE	— SAN — SAN SEWER LINE	⊙ SET DRILL HOLE
⊙ CATCH BASIN	— ST — STORM SEWER LINE	⊙ SET HARDEN MON.
⊙ CURB INLET	— UT — UNDER TELEPHONE	⊙ SET HUB/TACK
⊙ ELECTRIC MH	— HD — EXISTING WATER LINE	⊙ FD REBAR
⊙ MANNHOLE	— CH — CHILLED WATER LINE	⊙ SET REBAR
⊙ PHONE MH	⊙ SIGN	⊙ SET MAG NAIL
⊙ SANITARY MH	⊙ R.D.M. MON.	⊙ SET MAG NAIL
⊙ SIGNAL MH	⊙ MONITORING WELL	⊙ FD NAIL
⊙ STEAM MH	⊙ BOLLARD	⊙ SET NAIL
⊙ STORM MH	⊙ BORE HOLE	⊙ FD PIPE
⊙ WATER MH	⊙ DOWNSPOUT	⊙ FD RR SPIKE
⊙ ELEC. METER	⊙ GATE POST	⊙ SET RR SPIKE
⊙ CLEANOUT	⊙ POLE	⊙ FD STONE
⊙ GAS METER	⊙ PARKING METER	⊙ RECORDED B&D
⊙ WATER VALVE	⊙ SPIGOT	⊙ MEASURED B&D
⊙ FIRE HYDRANT	⊙ T-POST	⊙ CALCULATED B&D
⊙ SPR. HOSE/SLIP	⊙ WOOD POST	⊙ (PROP) PROPORTIONAL DIST.
⊙ SPRINKLER	⊙ PARKING SPACES	⊙ A.G. ABOVE GROUND
	⊙ TRANSFORMER	⊙ B.G. BELOW GROUND
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	⊙ PHONE VAULT	⊙ SHRUB
	⊙ STEAM VAULT	⊙ PHONE RISER-BOX
	⊙ VALVE VAULT	⊙ TV RISER-BOX
	⊙ AC UNIT	⊙ ELEC. RISER-BOX
	⊙ PHONE BOOTH	⊙ GAS RISER-BOX
	⊙ BIRD FEEDER	
	⊙ MAILBOX	
	⊙ PROP. TANK	
	⊙ PARKING BLOCK	



UTILITY CONTACTS

AT&T
 Robert Wheat - (812) 847-2239
 Zach Deckard - (812) 955-9437
CENTERPOINT ENERGY
 Timothy Langston - (812)-348-6703
 Joel Boer - (812) 348-4002
CITY OF BLOOMINGTON UTILITIES (CBU)
 Troy Powell - (812) 349-3632
 Nancy Assom - (812) 349-3689
COMCAST
 Steve Mcator - (812) 366-3090
 Scott Templeton - (812) 516-2556
DUKE ENERGY
 Brandon Wilson - (812) 337-3023
 Ryan Daugherty - (812) 375-2022



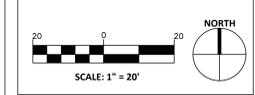
Bledsoe Riggert Cooper James
BRCJ
 LAND SURVEYING • CIVIL ENGINEERING • GIS
 1351 West Tapp Road Bloomington, Indiana 47403
 Phone: 812-336-8277 www.brcjvll.com



LIBERTY DRIVE SIDEWALK IMPROVEMENTS
West 3rd Street South
Bloomington, Indiana

BRCJ Project No: 11170

SELECTIVE SITE DEMOLITION PLAN



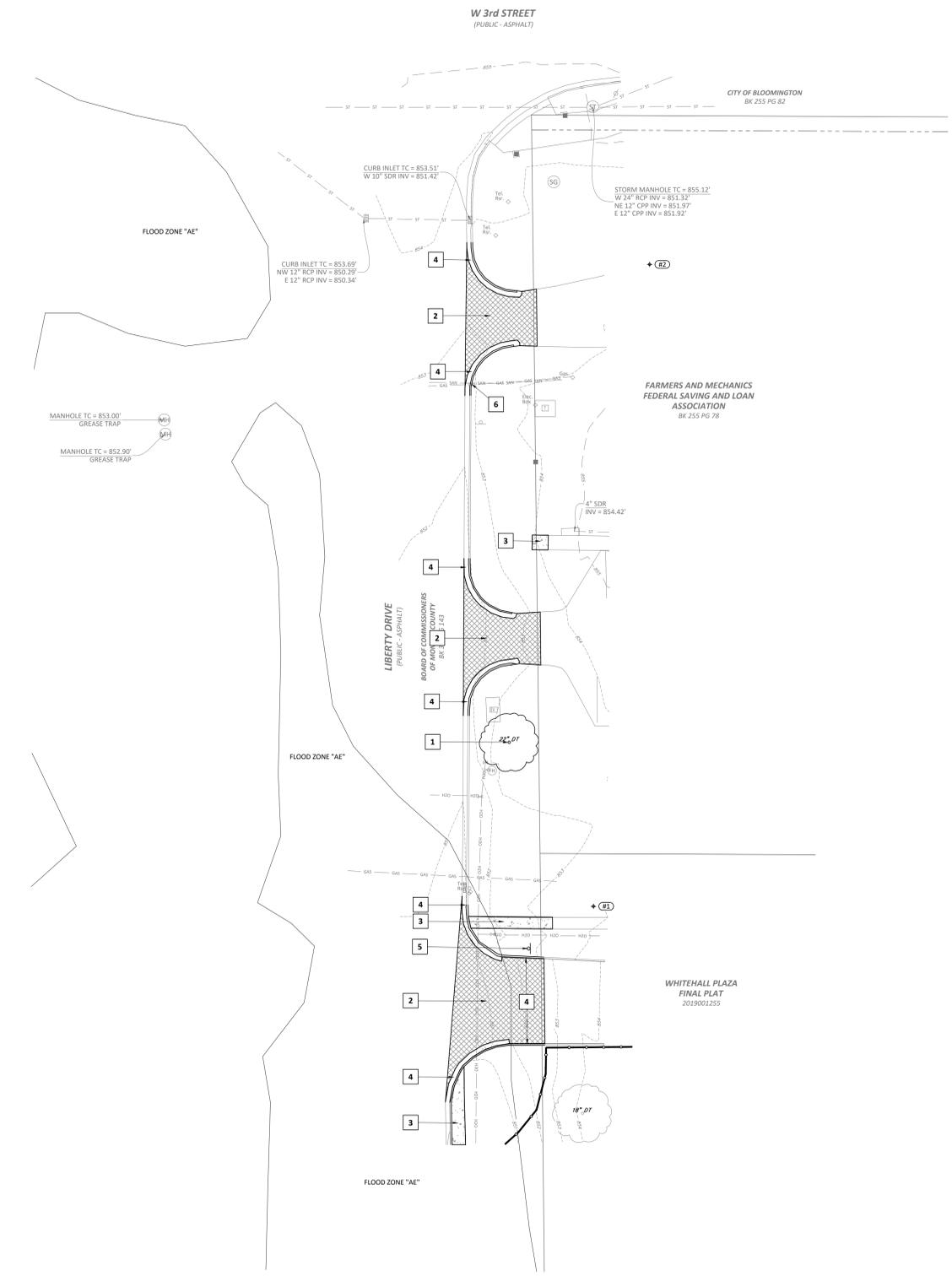
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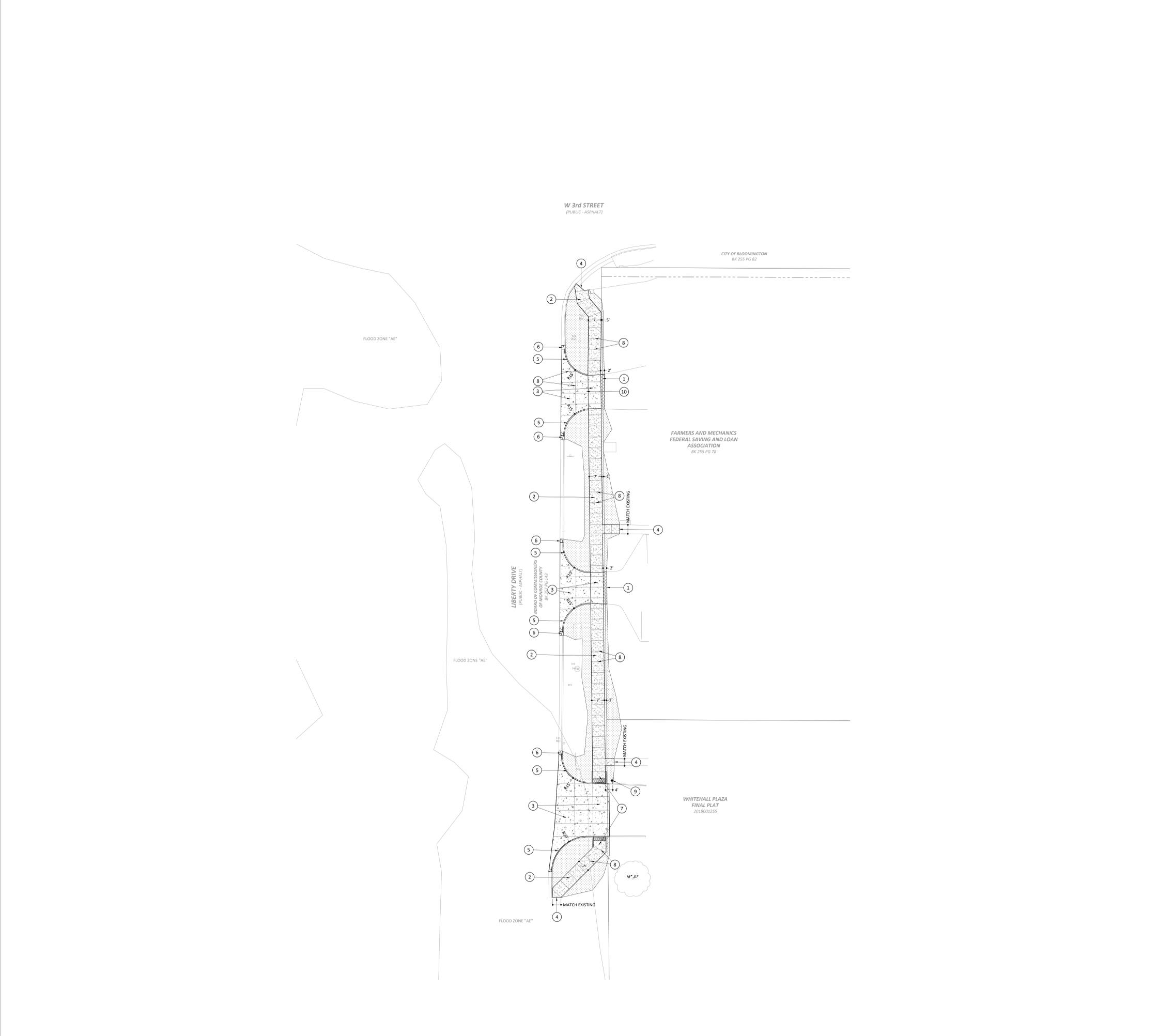
REVISION SCHEDULE

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Drawn By: DLN
 Designed By: DLN
 Checked By: WSR

C301





GENERAL NOTES

A. ALL DIMENSIONS ARE TO FACE OF CURB, POINT OF TANGENCY, EDGE OF PAVEMENT, EDGE OF WALK, FACE OF BUILDING OR FENCELINE, UNLESS OTHERWISE NOTED. CURB RETURN RADIUS ARE TO FACE OF CURB.

B. CONTRACTOR IS REQUIRED TO VERIFY FIELD CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.

C. ALL DISTURBED AREAS SHALL RECEIVE 6" OF TOP SOIL, SEED AND MULCH OR BE IMPROVED AS NOTED OTHERWISE.

D. SIGNAGE AND PAVEMENT MARKINGS SHALL COMPLY WITH THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

E. ALL STREET CUTS FOR UTILITIES AND OTHER IMPROVEMENTS SHALL BE REPAIRED TO MATCH THE EXISTING PAVEMENT SECTION OR BETTER.

F. CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF BLOOMINGTON UTILITIES (CBU) TECHNICIAN (812-336-8277) PRIOR TO THE START OF CONSTRUCTION TO HAVE A CBU INSPECTOR ASSIGNED TO THIS PROJECT.

PLAN NOTES ①

- ASPHALT PAVEMENT PATCH - REFER TO DETAIL 5/C701
- CONCRETE PAVEMENT, STANDARD DUTY - REFER TO DETAIL 2/C701
- CONCRETE PAVEMENT, HEAVY DUTY, 9" - REFER TO DETAIL 1/C701
- EXISTING CONCRETE TO NEW CONCRETE - REFER TO DETAIL 3/C701
- STANDING CONCRETE CURB - REFER TO DETAIL 4/C701
- CONCRETE CURB TRANSITION - STANDING CURB TO EXISTING ROLL CURB
- INDOT STANDARD ADA COMPLIANT SIDEWALK RAMP - REFER TO DETAILS 6/C701
- EXPANSION AND/OR SCORE JOINT (TYPICAL) - REFER TO DETAIL 2/C701
- RELOCATE EXISTING PRIVATE STOP SIGN
- CONTRACTOR SHALL MAINTAIN ACCESS FOR TRAFFIC EXITING FROM THE BANK PROPERTY. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER TO MINIMIZE IMPACTS DURING RECONSTRUCTION OF DRIVEWAY.

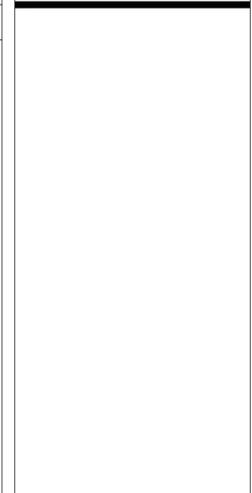
LEGEND

- LIMITS OF HEAVY DUTY CONCRETE
- LIMITS OF STANDARD DUTY CONCRETE
- LIMITS OF ASPHALT PAVEMENT PATCH
- LIMITS OF SEED AND MULCHED AREA

Drawn By: DLN/KJP
 Designed By: DLN
 Checked By: WSR

Bledsoe Riggert Cooper James
BRCJ
 LAND SURVEYING • CIVIL ENGINEERING • GIS
 1351 West Tapp Road Bloomington, Indiana 47403
 Phone: 812-336-8277 www.brcjvll.com

CITY OF BLOOMINGTON



W.S.R.

LIBERTY DRIVE SIDEWALK IMPROVEMENTS
 West 3rd Street South
 Bloomington, Indiana
 BRCJ Project No: 11170

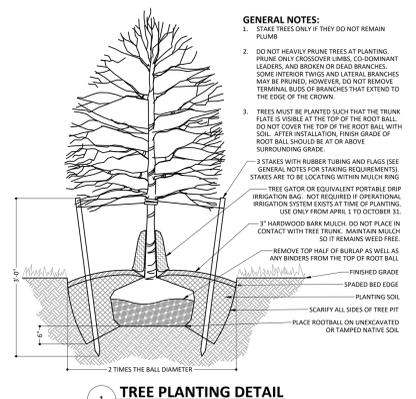
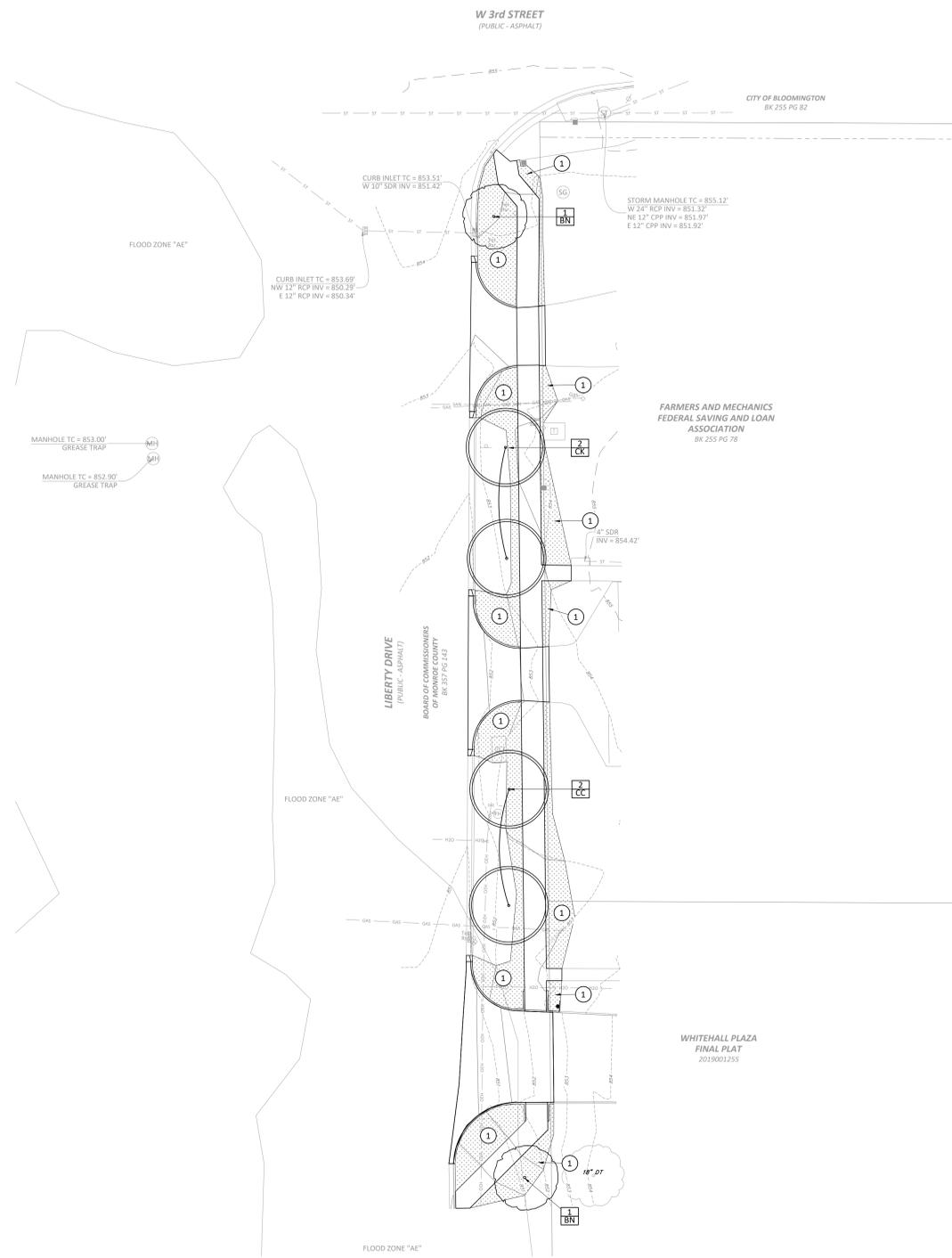
SITE IMPROVEMENT PLAN

SCALE: 1" = 20'

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C401



- GENERAL NOTES:**
1. STAKE TREES ONLY IF THEY DO NOT REMAIN PLUMB.
 2. DO NOT HEAVILY PRUNE TREES AT PLANTING. PRUNE ONLY CROSSOVER BRANCHES, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED, HOWEVER, DO NOT REMOVE TERMINAL BUDDING BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
 3. TREES MUST BE PLANTED SUCH THAT THE TRUNK PLATE IS VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL. AFTER INSTALLATION, FINISH GRADE OF ROOT BALL SHOULD BE AT OR ABOVE SURROUNDING GRADE.
- 3 STAKES WITH RUBBER TUBING AND FLAGS (SEE GENERAL NOTES FOR STAKING REQUIREMENTS). STAKES ARE TO BE LOCATING WITHIN MULCH RING.
- TREE WATER OR EQUIVALENT PORTABLE DRIP IRRIGATION (SAG). NOT REQUIRED IF OPERATIONAL IRRIGATION SYSTEM EXISTS AT TIME OF PLANTING. (USE ONLY FROM APRIL 1 TO OCTOBER 31).
- 3" HARDWOOD BARK MULCH. DO NOT PLACE IN CONTACT WITH TREE TRUNK. MAINTAIN MULCH SO IT REMAINS WEED FREE.
- REMOVE TOP HALF OF BURLAP AS WELL AS ANY BINDERS FROM THE TOP OF ROOT BALL.

PLANTING SCHEDULE

KEY	QUANTITY	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION
OVERSTORY TREES					
CC	2	Cercis canadensis	Eastern Redbud	2" Caliper Minimum	B & B
CK	2	Cladrastis kentuckea	Yellowwood	2" Caliper Minimum	B & B
BN	2	Betula nigra	River Birch	2" Caliper Minimum	B & B

GENERAL NOTES

- THE CONTRACTOR SHALL LOCATE ALL UTILITIES AND VERIFY SITE CONDITION INFORMATION ON DRAWINGS PRIOR TO STARTING WORK AND PROMPTLY REPORT ANY DISCREPANCIES OR DEVIATIONS FROM THE INFORMATION SHOWN ON THE PLAN TO THE DESIGNER AND OWNER. THE OWNER IS NOT RESPONSIBLE FOR UNAUTHORIZED CHANGES OR EXTRA WORK REQUIRED TO CORRECT UNREPORTED DISCREPANCIES.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES AND CONDITIONS SUFFICIENT TO COMPLETE THE PLANTING AS SHOWN ON THE LANDSCAPE PLAN. PLANT MATERIAL QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER THOSE IN THE PLANT LIST.
- ALL PLANT MATERIAL SHALL CONFORM TO ANSI Z 60-1996 AND CURRENT ASSOCIATION OF AMERICAN NURSERYMEN STANDARDS. NO PARK GRADE MATERIAL SHALL BE ACCEPTED.
- SPECIMEN SIZES INDICATED ON PLANT SCHEDULE ARE MINIMUM ACCEPTABLE SIZES. LARGER SPECIMENS MAY BE UTILIZED.
- ALL TREES SHALL RECEIVE A 5' MIN. DIAMETER MULCH RING AT BASE.
- ALL LANDSCAPED AREAS NOT BARK MULCHED SHALL BE SEEDED OR SODDED AS INDICATED. UNLESS NOTED OTHERWISE, ALL OTHER AREAS DISTURBED, GRADED OR OTHERWISE MODIFIED BY NEW CONSTRUCTION SHALL RECEIVE 6" OF TOP SOIL, SEED AND MULCH. SEE SPECIFICATIONS FOR SEEDING REQUIREMENTS.
- ALL PLANT MATERIAL SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE AS THE PLANT'S ORIGINAL GRADE PRIOR TO DIGGING. ALL PLANTS SHALL BE SET PLUMB. UNLESS NOTED OTHERWISE, IT IS THE CONTRACTOR'S OPTION TO STAKE TREES. HOWEVER, IT SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY TO ASSURE PLANTS REMAIN PLUMB UNTIL THE END OF CONTRACTED GUARANTEE PERIOD.
- ALL PLANTINGS SHALL BE WATERED DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. WATER THOROUGHLY TO ENSURE ALL AIR POCKETS ARE REMOVED AROUND ROOT BALL.
- CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTAINING PLANT MATERIAL UNTIL TIME OF ACCEPTED ESTABLISHMENT.
- ALL PLANTING BED EDGES TO BE SPADE CUT UNLESS SPECIFIED WITH MOW STRIP OR OTHER INSTALLED EDGING.
- COORDINATE LANDSCAPE PLAN WITH ALL WATER QUALITY AND EROSION CONTROL MEASURES.
- IF OWNER REQUESTS, PLANTS SHALL BE STAKED AND/OR FIELD-LOCATED BY DESIGNER AND CONTRACTOR. FINAL LOCATIONS OF TREES SHOULD BE ADJUSTED IF NEEDED TO AVOID OVERHEAD AND UNDERGROUND UTILITIES.
- ANY PLANT MATERIAL SUBSTITUTIONS INSTALLED WITHOUT APPROVAL FROM DESIGNER AND/OR OWNER SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
- ALL PLANTING MATERIALS, REGARDLESS OF SIZE SPECIFIED, SHALL BE OF SIZES THAT COMPLY WITH CITY OF BLOOMINGTON UDO LANDSCAPING STANDARDS.

PLAN NOTES

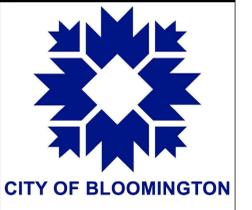
1. SEED AND MULCH OVER 6" OF TOPSOIL TO COVER GRADED AND DISTURBED AREAS - REFER TO SPECIFICATIONS.

LEGEND

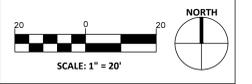
- [Hatched Area] LIMITS OF SEEDED AND MULCHED AREA
- [1 GB] PLANT QUANTITY KEY



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LIBERTY DRIVE SIDEWALK IMPROVEMENTS
 West 3rd Street South
 Bloomington, Indiana
 BRCJ Project No: 11170
SITE LANDSCAPE PLAN



Date: 10-05-2023 Issue: ISSUED FOR CONSTRUCTION

REVISION SCHEDULE

Rev. #	Rev. Description:	Issue Date

Drawn By: DLN/KJP
 Designed By: DLN
 Checked By: WSR

C601



GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE ADVANCE WARNING SIGNAGE, BARRICADES AND FLAGGERS AS REQUIRED WHEN WORKING ALONG, NEAR, OR WITHIN THE CITY OF BLOOMINGTON'S STREETS AND ALLEYS. ALL TRAFFIC CONTROLLING AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE INDIANA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND BE INSTALLED FOR A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO CLOSING ANY STREET, ALLEY OR PORTION THEREOF. THE CONTRACTOR SHALL CONTACT THE CITY OF BLOOMINGTON ENGINEERING DEPARTMENT AT (812) 349-3913 TO MAKE NECESSARY ARRANGEMENTS.

PLAN NOTES

1. MINIMUM LENGTH OF MERGING TAPER OF 90 FEET.
2. CHANNELIZATION DRUM. REFER TO SECTION 61.67 OF THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR DETAILS.
3. SPACING OF CHANNELIZATION DRUMS SHALL NOT EXCEED 30 FEET.
4. REMAINING NORTHBOUND LANE TO MAINTAIN MINIMUM WIDTH OF 11 FEET.
5. DOWNSTREAM TAPER TO HAVE MINIMUM LENGTH OF 50 FEET.
6. CONTRACTOR SHALL MINIMIZE THE LENGTH OF TIME THAT THE EXISTING SIDEWALK IS CLOSED. EXISTING SIDEWALK CONNECTIONS SHALL BE OPENED AT ALL TIMES WHEN THE SIDEWALK IS TRAVERSABLE AND NOT PROHIBITED BY ACTIVE WORK. CONSTRUCTION SIGNS SHALL NOT OBSTRUCT AN OPEN SIDEWALK.
7. CONTRACTOR SHALL MAXIMIZE THE DISTANCE WITH TWO NORTHBOUND TRAVEL LANES APPROACHING SIGNALIZED INTERSECTION. BARRIELS SHALL BE ADJUSTED TO INCREASE THIS DISTANCE AT ALL TIMES WHEN NOT PROHIBITED BY ACTIVE WORK.
8. CONTRACTOR SHALL MAINTAIN ACCESS FOR TRAFFIC EXITING FROM THE BANK PROPERTY. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER TO MINIMIZE IMPACTS DURING RECONSTRUCTION OF DRIVEWAY.

LEGEND

- CONSTRUCTION SIGN - SHAPE PER MUTCD
- PROJECT WORK SITE
- CHANNELIZATION DRUM - INDOT STANDARD
- PEDESTRIAN BARRICADE

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MAINTENANCE OF TRAFFIC PLAN

SCALE: 1" = 50'

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