

**ADDENDUM NO. 2**  
**TO THE**  
**DRAWINGS AND SPECIFICATIONS**  
**FOR THE**  
**Hopewell Phase I East Infrastructure – Re-Bid**

**Issued From:** The City of Bloomington  
Engineering Department  
Post Office Box 100  
401 North Morton Street, Suite #130  
Bloomington, Indiana 47402

**Issue Date:** April 28, 2023

**Letting Date:** May 3, 2023

This Addendum No. 2 to the drawings and specifications shall supplement, amend, and become a part of the Bid documents, plans, and specifications for the Hopewell Phase I East Infrastructure Re-Bid project. All bids and construction contracts shall be based on these modifications to the original contract documents. Bidders shall acknowledge receipt of this Addendum on the Bid Form. Failure to do so may subject the Bidder to disqualification.

**Item No. 1: Revisions to the Drawings**

*Drawing: C101B – Rogers Street Improvement Plan*

**DELETE** existing sheet C101B – Rogers Street Improvement Plan in its entirety.  
**CONTRACTOR IS INSTRUCTED TO SEE LA201 – SITE GRADING PLAN FOR ROGERS STREET SPOT ELEVATION DETAIL.**

**Item No. 2: Revisions to the Drawings**

*Drawing: C102B – Signage and Pavement Marking Plan*

**DELETE** existing sheet Plan C102B – Signage and Pavement Marking Plan in its entirety and **INSERT** attached revised sheet C102B – Signage and Pavement Marking Plan.

**Item No. 3: Revisions to the Drawings**

*Drawing: C210 – Centerstone Site Details*

**DELETE** existing sheet C210 – Centerstone Site Details in its entirety and **INSERT** attached revised sheet C210 – Centerstone Site Details.

**Item No. 4: Revisions to the Drawings**

*Drawing: C301 – Storm Sewer Plan & Profile*

**DELETE** existing sheet LA301 – Storm Sewer Plan & Profile in its entirety and **INSERT** attached revised sheet LA301 – Storm Sewer Plan & Profile.

**Item No. 5: Revisions to the Drawings**

*Drawing: L101 – Centerstone Landscape Plan*

**DELETE** existing sheet L101 – Centerstone Landscape Plan in its entirety and **INSERT** attached revised sheet L101 – Centerstone Landscape Plan.

**Item No. 6: Revisions to the Drawings**

*Drawing: L201 – Landscape Schedule and Details*

**DELETE** existing sheet L201 – Landscape Schedule and Details in its entirety and **INSERT** attached revised sheet L201 – Landscape Schedule and Details.

**Item No. 7: Questions and Answers**

(Q) *This Hopewell East job has 4 Aqua-Swirl hydrodynamic separators on it. Contech has multiple hydrodynamic separators available as well and when we met with Phil and the city a couple months ago, maintenance was a big topic. Our Cascade and especially our new SciCloneX has nearly identical or better flow rate than AquaSwirl, but also provide a wide opening for maintenance. Can we quote these as an alternate? I have provided the Indy approved flow rate for each unit as well.*

***Aqua-Swirl***

*XC-4 (Flow rate 1.86 cfs)*

*XC-5 (Flow rate 2.78 cfs)*

*XC-8 (Flow rate 6.64 cfs)*

***SciCloneX***

*SCX-4 (Flow rate 1.82 cfs)*

*Cascade-5 (Flow rate 2.81 cfs) or SCX-6 (Flow rate 4.09 cfs)*

*SCX-8 (Flow rate 7.27 cfs)*

(A) The Contech models listed appear to meet the required treatment rates. These models are considered approved equals and can be quoted as an equal.

**Item No. 8: Questions and Answers**

(Q) *Can the Chargepoint CT4000 Series Level 2 Commercial EV Charging Station be considered an approved equal to the specified Leviton Evr-Green 4000 Series charging station?*

(A) **Yes, the Chargepoint brand EV charger will be considered an approved equal to the Leviton. The Chargepoint shall have all specifications, features, and accessories as the basis of design model.**

**Item No. 9: Questions and Answers**

(Q) *How is the contractor assembly and installation of owner furnished site furnishings being paid for?*

(B) **A pay item will be added as a part of Addendum 2.**

**Item No. 10: Revisions to the Specifications**

*Drawing: Section 32 3300 – Site Furnishings*

**INSERT** paragraph 4.23.1 as follows:

Contractor Assembly and Installation of Owner Furnished Site Furnishings (O.F.S.F.) will be measured at the unit price per Lump Sum.

**INSERT** paragraph 5.24.1 as follows:

The cost of Contractor Assembly and Installation of Owner Furnished Site Furnishings (O.F.S.F.) shall be paid for at the unit price per Lump Sum.

**INSERT** the following pay item under 5.26, A:

Contractor Assembly and Installation of O.F.S.F. Lump Sum

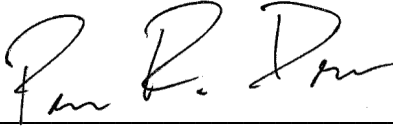
**Item No. 11: Revisions to the Drawings**

*Drawing: LA201 – Site Grading Plan*

**DELETE** existing sheet LA201 - Site Grading Plan in its entirety and **INSERT** attached revised sheet LA201 - Site Grading Plan.

**Item No. 12: Updated Unit Price Sheet**

An updated Unit Price sheet is included in this addendum. All bids submitted must include this updated sheet. Updated items and quantities are shown highlighted in yellow.

	<p><b>CERTIFIED BY:</b> </p> <p>PATRICK DIERKES PROJECT ENGINEER CITY OF BLOOMINGTON, IN</p>
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**Acknowledge receipt of the addendum by representing it on the Bid Form in Section B and submitting a signed copy with your bid proposal.**

RECEIVED BY: CONTRACTOR (FIRM AND ADDRESS)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

PRINTED NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_



Project Title : Hopewell Phase I East Infrastructure

LINE	ITEM	DESCRIPTION	Approximate Quantity and Units	UNITS	UNIT PRICE	BID AMOUNT
001		STORMWATER MANAGEMENT BUDGET	1	LS	\$67,465.00	\$67,465.00
002		TEMPORARY SILT FENCE	1,475	LFT	\$2.15	\$3,171.25
003		TEMPORARY INLET PROTECTION	38	EACH	\$110.00	\$4,180.00
004		TEMPORARY SEEDING	713	LBS	\$2.75	\$1,960.75
005		MAINTENANCE OF TRAFFIC	1	LS	-	-
006		CLEARING RIGHT OF WAY	1	LS	-	-
007		WATER AND SERVICE LINE, REMOVE	298	LFT	-	-
008		ASPHALT MILLING 1.5"	324	SYS	-	-
009		PAVEMENT REMOVAL	17,660	SYS	-	-
010		CURB, REMOVE	3,398	LFT	-	-
011		SIDEWALK CONCRETE, REMOVE	895	SYS	-	-
012		SIGN, REMOVE	49	EACH	-	-
013		RETAINING WALL, REMOVE	584	LFT	-	-
014		INLET, REMOVE	13	EACH	-	-
015		MANHOLE, REMOVE	3	EACH	-	-
016		MISCELLANEOUS CONCRETE, REMOVE	42	SYS	-	-
017		PIPE, REMOVE	1,272	LFT	-	-
018		SANITARY SEWER, REMOVE	694	LFT	-	-
019		FENCE & POSTS, REMOVE	32	LFT	-	-
020		FIRE HYDRANT, ASSEMBLY, REMOVE	1	EACH	-	-
021		LIGHT POLE, REMOVE	19	EACH	-	-
022		GUARDRAIL, REMOVE	120	LFT	-	-
023		RETAINING WALL, TYPE 1	78	LFT	-	-
024		RETAINING WALL, TYPE 2	45	LFT	-	-
025		EXCAVATION, COMMON	13,135	CYS	-	-
026		SUBGRADE TREATMENT, TYPE IC (MODIFIED)	3,060	SYS	-	-
027		GEOGRID - INTERAX FILTERGRID NX750-FG	3,060	SYS	-	-
028		COMPACTED LIMESTONE SHOULDER	8	CYS	-	-
029		COMPACTED SAND	12	CYS	-	-
030		COMPACTED AGGREGATE NO. 8	265	CYS	-	-
031		COMPACTED AGGREGATE NO. 53	1055	TON	-	-

Continued on next page.



Project Title : Hopewell Phase I East Infrastructure

LINE	ITEM	DESCRIPTION	Approximate Quantity and	UNITS	UNIT PRICE	BID AMOUNT
032		HOT MIX ASPHALT, 2, 64, SURFACE, 9.5MM	693	TON	-	-
033		HOT MIX ASPHALT, 2, 64, INTERMEDIATE, 19MM	601	TON	-	-
034		HOT MIX ASPHALT, 3, 64, BASE, 25MM	903	TON	-	-
035		SIDEWALK, CONCRETE	1,814	SFT	-	-
036		CURB, CONCRETE	2,313	LFT	-	-
037		CURB, CONCRETE, 8"	249	LFT	-	-
038		CURB, INTEGRAL CONCRETE	262	LFT	-	-
039		CURB, CONCRETE, DEPRESSED	33	LFT	-	-
040		CONCRETE ENTRANCE	385	SYS	-	-
041		PARKING BARRIER, CONCRETE	7	EACH	-	-
042		LINE, PAINT, SOLID, WHITE, 4 IN.	1,067	LFT	-	-
043		LINE, PAINT, SOLID, BLUE, 4 IN.	122	LFT	-	-
044		PAVEMENT MESSAGE MARKING, PAINT, ADA ACCESSIBLE SYMBOL	4	EACH	-	-
045		PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, LANE INDICATION ARROW	8	EACH	-	-
046		SIGN POST, SQ TYP 2, UNREINF, ANCHOR BASE	162	LFT	-	-
047		SIGN POST ASSEMBLY	12	EACH	-	-
048		SIGN, SHEET, WITH LEGEND, 0.80 IN. THICKNESS	53	SFT	-	-
049		SIGN, DOUBLE-FACED, SHEET, WITH LEGEND, 0.100 IN. THICKNESS	21	SFT	-	-
050		SIGN, SHEET, WITH LEGEND, 0.100 IN. THICKNESS	9	SFT	-	-
051		MULCHED SEEDING	15,547	SYS	-	-
052		WATER MAIN, 12 IN.	1,132	LFT	-	-
053		TAPPING SADDLE 24" X 12"	1	EACH	-	-
054		TAPPING SADDLE 12" X 12"	1	EACH	-	-
055		TAPPING VALVE 12"	2	EACH	-	-
056		M.J. 12 X 12" CROSS	1	EACH	-	-
057		M.J. 12 X 12" TEE	1	EACH	-	-
058		24" X 6" HOT TAP FOR FIRE HYDRANT	1	EACH	-	-

Continued on next page.



Project Title : Hopewell Phase I East Infrastructure

LINE	ITEM	DESCRIPTION	Approximate Quantity and	UNITS	UNIT PRICE	BID AMOUNT
059	M.J. 22.5 DEG ELBOW, 12"		10	EACH	-	-
060	M.J. 45 DEG ELBOW 12"		9	EACH	-	-
061	M.J. 90 DEG ELBOW 12"		1	EACH	-	-
062	M.J. GATE VALVE 12"		4	EACH	-	-
063	M.J. PLUG, 12"		2	EACH	-	-
064	FIRE HYDRANT ASSEMBLY		5	EACH	-	-
065	1" DOMESTIC SERVICE TAP		2	EACH	-	-
066	TEMPORARY CHLORINATION TAP		2	EACH	-	-
067	TEMPORARY BLOW-OFF ASSEMBLY		3	EACH	-	-
068	TESTING OF WATER MAINS (CBU SPECIFICATIONS)		1	LS	-	-
069	SANITARY MANHOLE (CBU STD. DET. 1)		5	EACH	-	-
070	SANITARY MANHOLE MODIFIED (CBU STD. DET. 1)		1	EACH	-	-
071	CONFLICT MANHOLE		1	EACH	-	-
072	PIPE, SANITARY SEWER, 8 IN., C-900		401	LFT	-	-
073	PIPE, SANITARY SEWER, 8 IN., SDR-35		490	LFT	-	-
074	PIPE, SANITARY SEWER, 8 IN., DUCTILE IRON		301	LFT	-	-
075	SANITARY LATERAL ASSEMBLY, 6"		11	EACH	-	-
076	PIPE, STORM SEWER, 12 IN., RCP		556	LFT	-	-
077	PIPE, STORM SEWER, 15 IN., RCP		509	LFT	-	-
078	PIPE, STORM SEWER, 18 IN., RCP		747	LFT	-	-
079	PIPE, STORM SEWER, 24 IN., RCP		319	LFT	-	-
080	PIPE, STORM SEWER, 36 IN., RCP		760	LFT	-	-
081	PIPE, STORM SEWER, 42 IN., RCP		220	LFT	-	-
082	PIPE, STORM SEWER, 6 IN., PVC		135	LFT	-	-
083	PIPE, STORM SEWER, 15 IN., PVC		34	LFT	-	-

Continued on next page.



Project Title : Hopewell Phase I East Infrastructure

LINE	ITEM	DESCRIPTION	Approximate Quantity and	UNITS	UNIT PRICE	BID AMOUNT
084		PIPE, STORM SEWER, 12 IN., HDPE	226	LFT	-	-
085		PIPE, STORM SEWER, 15 IN., HDPE	32	LFT	-	-
086		PIPE, STORM SEWER, 18 IN., HDPE	0	LFT	-	-
087		UNDERDRAIN, 4 IN., PERFORATED	1,520	LFT	-	-
088		PIPE END SECTION, 18 IN. DIA.	1	EACH	-	-
089		NYLOPLAST DRAIN BASINS	2	EACH	-	-
090		CENTERSTONE STORMWATER DETENTION SYSTEM	1	LS	-	-
091		PLAZA STORMWATER DETENTION SYSTEM	1	LS	-	-
092		LOT 1 STORMWATER DETENTION SYSTEM	1	LS	-	-
093		LOT 5 STORMWATER DETENTION SYSTEM	1	LS	-	-
094		MANHOLE, TYPE J	4	EACH	-	-
095		MANHOLE, TYPE C	15	EACH	-	-
096		MANHOLE, TYPE K	7	EACH	-	-
097		MANHOLE, TYPE D	1	EACH	-	-
098		INLET, TYPE A	6	EACH	-	-
099		INLET, TYPE J	8	EACH	-	-
100		INLET, TYPE M	11	EACH	-	-
101		24" x 24" RECTANGULAR CONCRETE STRUCTURE	2	EACH	-	-
102		WQU - AQUA SWIRL XC-4	3	EACH	-	-
103		WQU - AQUA SWIRL XC-7	1	EACH	-	-
104		FIBER OPTIC CONDUIT	2764	LFT	-	-
105		FIBER OPTIC JUNCTION BOX	3	EACH	-	-
106		CONCRETE STEPS	20	CYS	-	-
107		UTILITY ACCESS TRENCH	13	LFT	-	-
108		FOOTING, PAVILION	22	CYS	-	-
109		LIMESTONE QUARRY BLOCK (RAMP)	1	LS	-	-
110		LIMESTONE STEPPER, TYPE A	25	EACH	-	-
111		LIMESTONE STEPPER, TYPE B	6	EACH	-	-
112		LIMESTONE STEPPER, TYPE C	3	EACH	-	-
113		LIMESTONE BLOCK CLUSTER, GROUP 1	1	LS	-	-
114		LIMESTONE BLOCK CLUSTER, GROUP 2	1	LS	-	-
115		LIMESTONE BLOCK CLUSTER, GROUP 3	1	LS	-	-

Continued on next page.



Project Title : Hopewell Phase I East Infrastructure

LINE	ITEM	DESCRIPTION	Approximate Quantity and	UNITS	UNIT PRICE	BID AMOUNT
116		LIMESTONE, HEADWALL	1	LS	-	-
117		SST HANDRAIL AND POST	310	LFT	-	-
118		SCREEN WALL	1	LS	-	-
119		LOG SCRAMBLE	1	LS	-	-
120		ELECTRICAL, SYSTEM	1	LS	-	-
121		SIDEWALK, CONCRETE, MODIFIED	12,683	SFT	-	-
122		CONCRETE PAVEMENT, 6 IN.	1,448	SFT	-	-
123		CONCRETE PAVEMENT, 8 IN.	800	SFT	-	-
124		CURB, CONCRETE, MODIFIED	808	LFT	-	-
125		CONCRETE CONTAINMENT CURB, 8 IN.	3,855	LFT	-	-
126		CONCRETE CONTAINMENT CURB, 12 IN.	60	LFT	-	-
127		CONCRETE CONTAINMENT CURB, 24 IN.	40	LFT	-	-
128		UNIT PAVER, TYPE 1 (PEDESTRIAN)	936	SFT	-	-
129		UNIT PAVER, TYPE 2 (VEHICULAR)	88	SFT	-	-
130		UNIT PAVER, TYPE 3 (TACTILE WARNING)	2,251	SFT	-	-
131		METAL EDGE RESTRAINT, TYPE 1	72	LFT	-	-
132		METAL EDGE RESTRAINT, TYPE 2	46	LFT	-	-
133		METAL EDGE RESTRAINT, TYPE 3	46	LFT	-	-
134		PERMEABLE PAVERS, TYPE 1 (PEDESTRIAN)	23,912	SFT	-	-
135		PERMEABLE PAVERS, TYPE 2 (VEHICULAR)	47,892	SFT	-	-
136		DETECTABLE WARNING SURFACE	464	SFT	-	-
137		ARTIFICIAL TURF, STANDARD	3,154	SFT	-	-
138		ARTIFICIAL TURF, FALL RATED	1,322	SFT	-	-
139		IRRIGATION SYSTEM	1	LS	-	-
140		CISTERN PUMP AND TANK	1	LS	-	-
141		PLATFORM BENCH, TYPE 1	4	EACH	-	-
142		PLATFORM BENCH, TYPE 2 (STAGE)	1	LS	-	-

Continued on next page.





Project Title : Hopewell Phase I East Infrastructure

LINE	ITEM	DESCRIPTION	Approximate Quantity and	UNITS	UNIT PRICE	BID AMOUNT
143	BENCH, TYPE 1		2	EACH	-	-
144	BENCH, TYPE 2		4	EACH	-	-
145	BENCH, TYPE 3		1	LS	-	-
146	SWING, STRUCTURE		2	EACH	-	-
147	FOOTBRIDGE		1	LS	-	-
148	PAVER GRATE, TYPE 1		10	EACH	-	-
149	PAVER GRATE, TYPE 2		24	EACH	-	-
150	UMBRELLA		2	EACH	-	-
151	BICYCLE RACK, TYPE 1		14	EACH	-	-
152	BICYCLE RACK, TYPE 2		8	EACH	-	-
153	DRINKING FOUNTAIN		2	EACH	-	-
154	REMOVABLE BOLLARD		14	EACH	-	-
155	BOLLARD RACK, TYPE 1		2	EACH	-	-
156	BOLLARD RACK, TYPE 2		1	EACH	-	-
157	PING PONG TABLE		2	EACH	-	-
158	PLANTING SOIL		1,397	CYS	-	-
159	PLANTER SOIL		10	CYS	-	-
160	TURF, SOD		709	SYS	-	-

Continued on next page.



Project Title : Hopewell Phase I East Infrastructure

LINE	ITEM	DESCRIPTION	Approximate Quantity and	UNITS	UNIT PRICE	BID AMOUNT
161		DECIDUOUS TREE, SINGLE STEM, 1.25" to 2" TO 2"	42	EACH	-	-
162		DECIDUOUS TREE, SINGLE STEM, OVER 2" TO 2.5"	80	EACH	-	-
163		DECIDUOUS TREE, SINGLE STEM, OVER 2.5" TO 3.5"	5	EACH	-	-
164		DECIDUOUS TREE, MULTI-STEM, 96" TO 120"	17	EACH	-	-
165		DECIDUOUS SHRUB, 18" TO "24	484	EACH	-	-
166		CONIFEROUS, BROAD SPREADING	151	EACH	-	-
167		PLANT, ORNAMENTAL GRASS (#1)	1,029	EACH	-	-
168		PLANT, GROUND COVER	1,178	EACH	-	-
169		PLANT, PERENNIAL (#1)	3,728	EACH	-	-
170		PLANT, ANNUAL (32-CELL FLAT)	464	EACH	-	-
171		MULCH, HARDWOOD	180	CYS	-	-
172		LANDSCAPE EDGE, SPADE	638	LFT	-	-
173		LANDSCAPE EDGE, STEEL	60	LFT	-	-
174		DRY STREAM BED	945	SFT	-	-
175		SUSPENDED PAVEMENT ASSEMBLY	253	CYS	-	-
176		CONSTRUCTION LAYOUT	1	LS	-	-
177	110-01001	MOBILIZATION AND DEMOBILIZATION	1	LS	-	-
178		CONTAMINATED SOILS, STOCKPILE	18,495	TON	-	-
179	202-05546	REGULATED MATERIALS, DISPOSE, TYPE C	1,648	TON	-	-
180	202-05551	REGULATED MATERIALS, REMOVE, TYPE C	1,648	TON	-	-
181	202-05556	REGULATED MATERIALS, TRANSPORT, TYPE C	1,648	TON	-	-
182	203-02010	EXCAVATION, ROCK	100	CYS	-	-
183		RAISED PAVEMENT MARKER	3	EACH	-	-
184		SITE FURNISHING ANCHOR	62	EACH	-	-
185		BUILDING TRADE PARK SIGN, REMOVAL	1	LS	-	-
186		CONTRACTOR ASSEMBLY AND INSTALLATION OF O.F.S.F.	1	LS	-	-

**BID:**

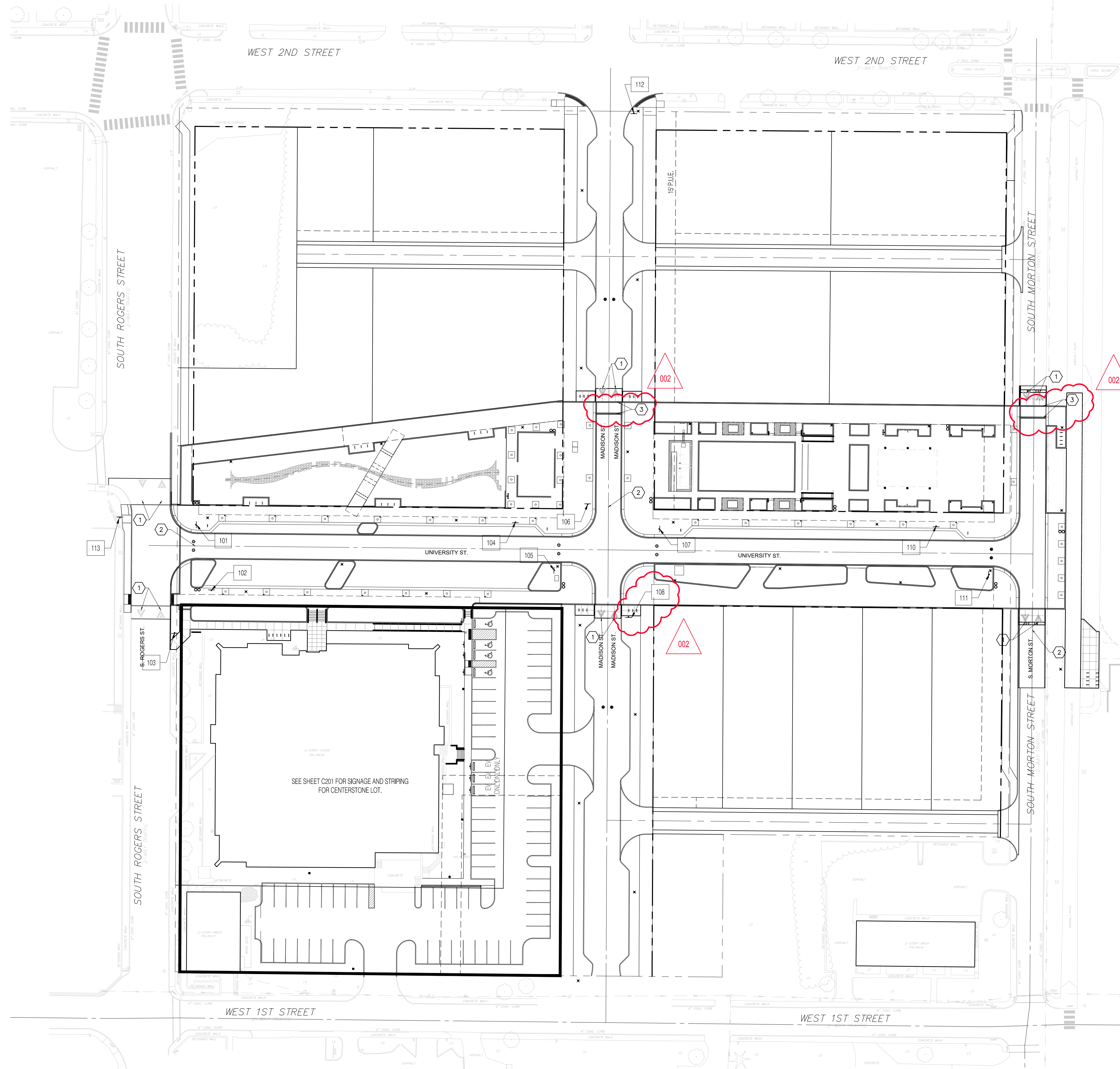


Project Title : Hopewell Phase I East Infrastructure

LINE	ITEM	DESCRIPTION	Approximate Quantity and	UNITS	UNIT PRICE	BID AMOUNT
ALTERNATE #1 - SECTION 32 3300 - SITE FURNISHINGS						
A1-1	PAVILION		1	LS	_____ - ____	_____ - ____
						<b>TOTAL ALTERNATE #1:</b> _____ - ____
ALTERNATE #2 - SECTION 32 3300 - SITE FURNISHINGS						
A2-1	PAVILION, INSTALLATION		1	LS	_____ - ____	_____ - ____
						<b>TOTAL ALTERNATE #2:</b> _____ - ____
ALTERNATE #3 - SECTION 32 9200 - Turf and Grasses						
A3-1	EXTENDED MAINTENANCE PERIOD, SOD		1	LS	_____ - ____	_____ - ____
ALTERNATE #3 - SECTION 32 9300 - PLANTS						
A3-2	EXTENDED MAINTENANCE PERIOD, PLANTS		1	LS	_____ - ____	_____ - ____
						<b>TOTAL ALTERNATE #3:</b> _____ - ____

Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.



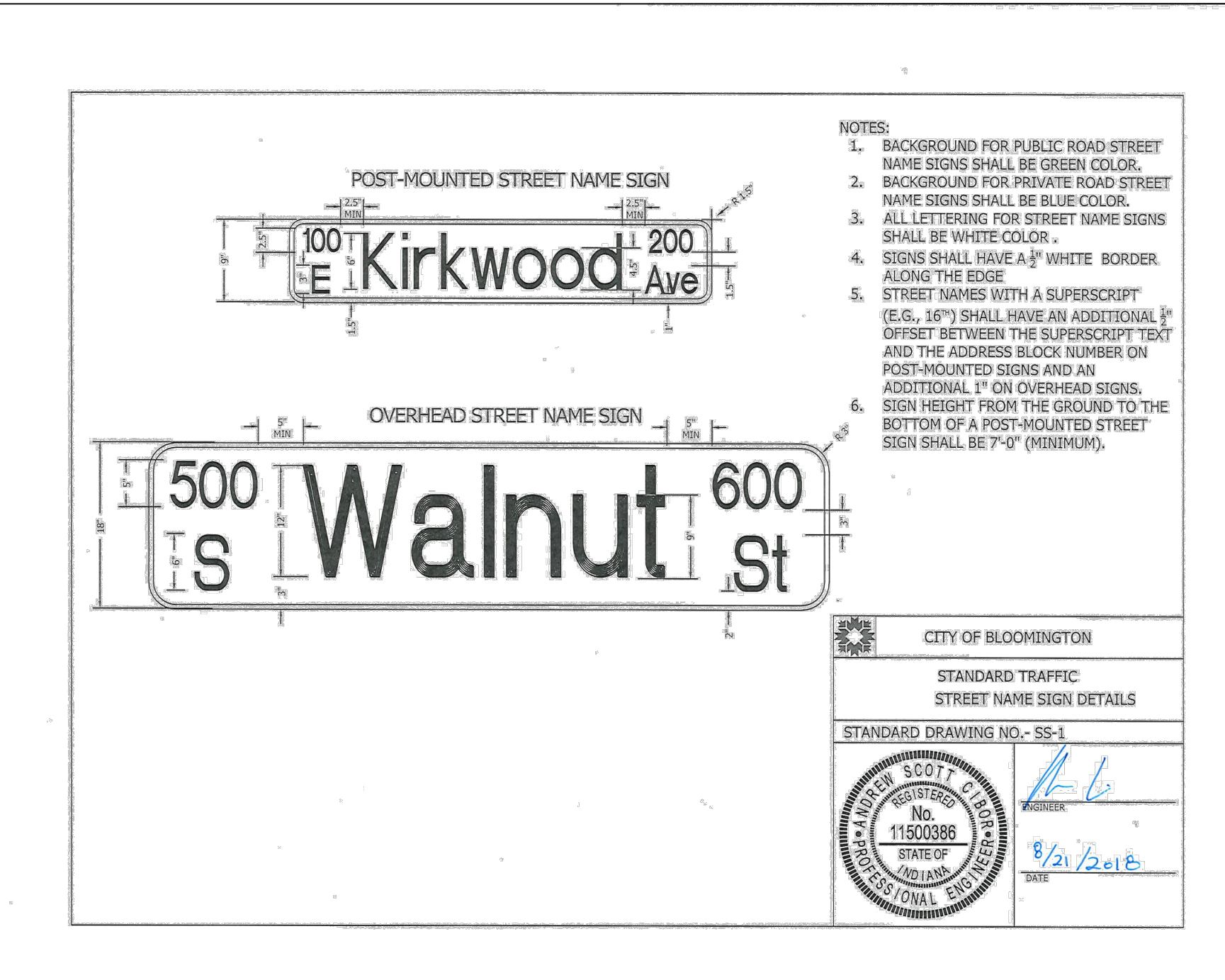
SHEET SIGN AND POST SUMMARY																	
POST ID	SIGN ID	STREET NAME	MUTCD CODE	DESCRIPTION	DIR OF TRAVEL	SIGN SIZE		GROUND MOUNTED SIGN AREA (SQ. FT.)				SIGN COLOR		POST			
						WIDTH	HEIGHT	SINGLE FACED	DOUBLE FACED	BACKGROUND COLOR	LEGEND COLOR	SQUARE					
						INCHES	INCHES					0.000'	0.100'	0.000'	0.100'	1	2
301	301-1		R1-1	STOP	W	30	30	6.25				RED	WHITE	14.50	14.50		
301	301-2	RODGERS ST	D3-1	STREET NAME	E/W	48	9			3.00		GREEN	WHITE		0.00		
301	301-3	UNIVERSITY ST	D3-1	STREET NAME	N/S	60	9			3.75		GREEN	WHITE		0.00		
302	302-1		R7-8	PARKING RESTRICTION	E	12	18	1.50				WHITE	GREEN	12.50	12.50		
302	302-2		R7-8P	VAN ACCESSIBLE	E	12	6	0.50				WHITE	GREEN		0.00		
303	303-1		W13-1	SPEED HUMP	N	30	30	6.25				YELLOW	BLACK	13.50	13.50		
303	303-2		W13-2P	ADVISORY SPEED (20MPH)	N	18	18	2.25				YELLOW	BLACK		0.00		
304	304-1		R7-8	PARKING RESTRICTION	W	12	18	1.50				WHITE	GREEN	12.00	12.00		
305	305-1		R1-1	STOP	E	30	30	6.25				RED	WHITE	13.50	13.50		
305	305-2		R1-3P	ALL WAY	E	18	6	0.75				RED	WHITE		0.00		
306	306-1		R1-1	STOP	S	30	30	6.25				RED	WHITE	13.50	13.50		
306	306-2		R1-3P	ALL WAY	S	18	6	0.75				RED	WHITE		0.00		
307	307-1		R1-1	STOP	W	30	30	6.25				RED	WHITE	15.00	15.00		
307	307-2		R1-3P	ALL WAY	W	18	6	0.75				RED	WHITE		0.00		
307	307-3	MADISON ST	D3-1	STREET NAME	E/W	54	9			3.38		GREEN	WHITE		0.00		
307	307-4	UNIVERSITY ST	D3-1	STREET NAME	N/S	60	9			3.75		GREEN	WHITE		0.00		
308	308-1		R1-1	STOP	N	30	30	6.25				RED	WHITE	13.50	13.50		
308	308-2		R1-3P	ALL WAY	N	18	6	0.75				RED	WHITE		0.00		
110	110-1		R7-8	PARKING RESTRICTION	W	12	18	1.50				WHITE	GREEN	12.00	12.00		
111	111-1		R1-1	STOP	E	30	30	6.25				RED	WHITE	14.50	14.50		
111	111-2	MORTON ST	D3-1	STREET NAME	E/W	48	9			3.00		GREEN	WHITE		0.00		
111	111-3	UNIVERSITY ST	D3-1	STREET NAME	N/S	60	9			3.75		GREEN	WHITE		0.00		
112	112-1		R1-1	STOP	N	30	30	6.25				RED	WHITE	13.00	13.00		
113	113-1		W13-1	SPEED HUMP	S	30	30	6.25				YELLOW	BLACK	14.50	14.50		
113	113-2		W13-2P	ADVISORY SPEED (20MPH)	S	18	18	2.25				YELLOW	BLACK		0.00		
<b>TOTALS</b>								70.25	0.00	0.00	20.63						182.00

**SIGNAGE AND STRIPING NOTES:**

- ALL SIGNS SHALL BE MANUFACTURED IN ACCORDANCE WITH ALL APPLICABLE INDIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AS WELL AS THE INDIANA MUTCD.
- ALL SIGNS LOCATIONS ARE TO BE FIELD VERIFIED FOR UTILITY CONFLICT PRIOR TO INSTALLATION. UTILITY LOCATES ARE REQUIRED FOR ALL SIGN POST INSTALLATIONS. PRISMATIC HIGH INTENSITY SHEETING OR BETTER SHALL BE USED FOR ALL SIGNS.
- ALL STREET NAME SIGNS SHALL BE MIXED UPPER AND LOWER CASE PER CITY OF BLOOMINGTON STANDARDS.
- ALL STREET NAME SIGNS SHALL HAVE SHOP DRAWINGS APPROVED BY THE CITY PRIOR TO FABRICATION AND INSTALLATION.
- EACH STREET NAME SIGN SHALL BE INSTALLED PARALLEL TO THE STREET WHICH IT NAMES.
- APPLICATION OF PRIMER IS REQUIRED PRIOR TO INSTALLATION OF THERMOPLASTIC PAVEMENT MARKINGS ON CONCRETE SURFACES.

**LEGEND**

ITEM	DESCRIPTION
1	PAVEMENT MESSAGE MARKINGS THERMOPLASTIC LANE INDICATION ARROW
2	RAISED PAVEMENT MARKER
3	LINE, THERMOPLASTIC, SOLID, WHITE, 6 IN.



- NOTES:**
- BACKGROUND FOR PUBLIC ROAD STREET NAME SIGNS SHALL BE GREEN COLOR.
  - BACKGROUND FOR PRIVATE ROAD STREET NAME SIGNS SHALL BE BLUE COLOR.
  - ALL LETTERING FOR STREET NAME SIGNS SHALL BE WHITE COLOR.
  - SIGNS SHALL HAVE A 1/2" WHITE BORDER ALONG THE EDGE.
  - STREET NAMES WITH A SUPERSCRIPT (E.G., 16<sup>TH</sup>) SHALL HAVE AN ADDITIONAL 1/2" OFFSET BETWEEN THE SUPERSCRIPT TEXT AND THE ADDRESS BLOCK NUMBER ON POST-MOUNTED SIGNS AND AN ADDITIONAL 1" ON OVERHEAD SIGNS.
  - SIGN HEIGHT FROM THE GROUND TO THE BOTTOM OF A POST-MOUNTED STREET SIGN SHALL BE 7'-0" (MINIMUM).

CITY OF BLOOMINGTON  
STANDARD TRAFFIC  
STREET NAME SIGN DETAILS  
STANDARD DRAWING NO. - SS-1

SCOTT E. SCOTT  
REGISTERED PROFESSIONAL ENGINEER  
No. 11500388  
STATE OF INDIANA

8/21/2018

**REVISIONS**

NO.	DATE	DESCRIPTION
001	04/11/2023	ADDENDUM 1
002	04/28/2023	ADDENDUM 2

CLIENT:  
**CITY OF BLOOMINGTON**  
Bloomington, IN 47403

DESIGN TEAM:  
**shrewsberry**  
**REA**  
ARCHITECTURAL, CIVIL ENGINEERING, PLANNING, LAND SURVEYING  
BEE  
TYNUM PARTO & ASSOCIATES, INC.  
528 North Walnut Street  
Bloomington, Indiana 47404 (317) 332-8030

CERTIFIED BY:  
**MATTHEW D. WALLACE**  
REGISTERED PROFESSIONAL ENGINEER  
No. 10302418  
STATE OF INDIANA  
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**HOPEWELL INFRASTRUCTURE & SITE ENGINEERING**  
PHASE 1 EAST - RE-BID  
CITY OF BLOOMINGTON  
BLOOMINGTON, INDIANA 47403

DATE: 03/15/2023 PROJECT NO.: 21-0049  
DRAWN BY: RDR CHECKED BY: MDW  
DRAWING STATUS: RE-BID  
SHEET TITLE: SIGNAGE AND PAVEMENT MARKING PLAN  
SHEET NO.: C102B



**SIGNAGE AND PAVEMENT MARKING PLAN**  
Scale: 1" = 40'-0"



# Evr-Green® 4000

## Level 2 Networked Public Use Charging Stations

Integrating design and functionality with superior reliability and durability, Evr-Green® charging stations are ideal for workplace, commercial or outdoor public charging.

- ### Hassle-Free Cord Management
- Self-retracting cord is always off the ground when not in use
  - Ultra-reliable second-generation gravity operated mechanism

- ### LCD Display
- Provides animated charging instructions in a clear, simple format
  - Readable in daylight with automatic brightness control
  - 5.7 inch 640x480 resolution active matrix display
  - Full motion 30 fps video support
  - Allows for custom video so that you may communicate with your users or deliver special advertising messaging
  - Download up to 60 seconds of full-motion, full-color video\* (\* Video service plan required)

- ### Multi-Format RFID Card Reader
- ISO 15693, ISO 14443 and NFC
  - Accepts ChargePoint cards as well as Visa, MasterCard, AmEx, and Discover contactless credit cards

- ### Common Applications
- Office buildings
  - MDU settings
  - Municipalities
  - Educational institutions



## — FEATURING —

# ChargePoint® NETWORK SERVICES

ChargePoint® Network Services let you control access, set pricing, display advertising, monitor station status, and generate usage reports while providing 24/7/365 call center support to drivers.



- ### Gateway Design
- Removes the need for distance restrictions between chargers
  - Stations are configured into optimal radio groups for better communication

- ### Designed for Accessibility
- Buttons provide audio feedback
  - Multiple languages supported (English, French, Spanish)

- ### Energy and Power Management
- Dual head stations allow a single 40 A circuit to be shared between two parking spaces (Power Sharing Kit included)
  - Power select options to use in a 20 A or 30 A dual pole circuit
  - Single vehicle charges at full 6.2/7.2 kW (30 A @ 208/240 V) and two vehicles simultaneously charge at 3.3/3.8 kW (16 A @ 208/240 V) each
  - Real-time energy measurement controlled within the modem and communicated through the cloud
  - 15 minute interval recordings of energy use and station status
  - Time of day (TOD) pricing

## Ordering Information

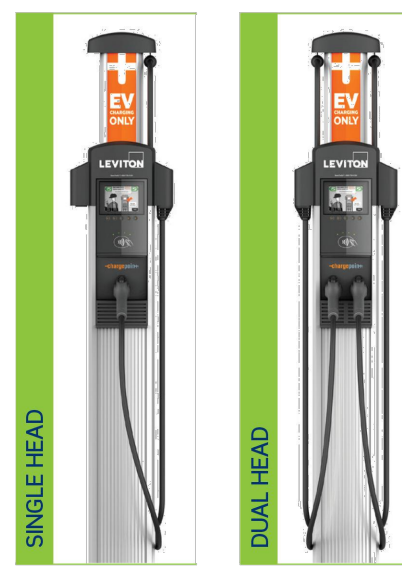
### Component Options

Description	Cat. No.
Head Unit	Single Head CPHU1
	Dual Head CPHU2
Mounting Mechanism	Bollard Body CPMBX
	Wall Mounting Body CPMEX
	Bollard Cap CPCAP-B
	Wall Mount Cap CPCAP-W
Cable Management Assembly	CPCBX
Concrete Mounting Kit (for Bollard Mounting Versions)	CPCMK

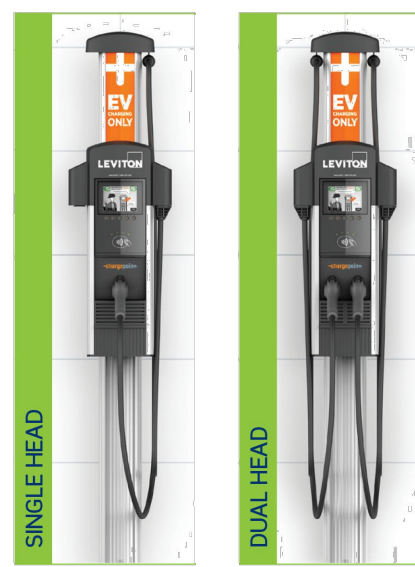
### Typical Configurations

Description	Components
Single Head Bollard	CPHU1, CPMBX, CPCAP-B, CPCBX, CPCMK
Dual Head Bollard	CPHU2, CPMBX, CPCAP-B, CPCBX, CPCMK
Single Head Wall Mount	CPHU1, CPMEX, CPCAP-W, CPCBX
Dual Head Wall Mount	CPHU2, CPMEX, CPCAP-W, CPCBX

### BOLLARD (FREE-STANDING) STATIONS

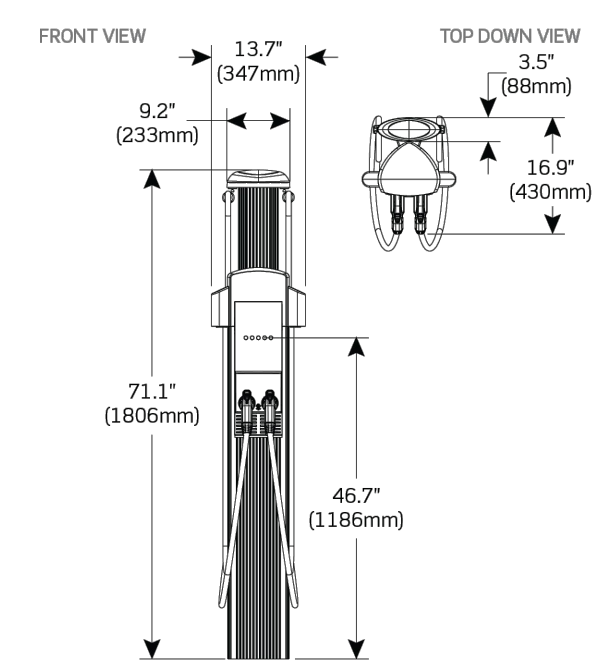


### WALL MOUNT STATIONS

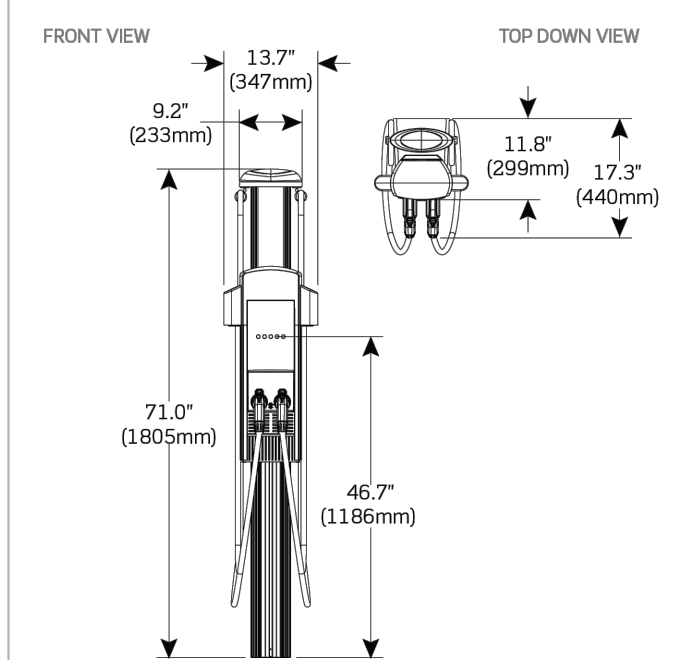


## Dimensions

### Bollard (Free-Standing) Stations



### Wall Mount Stations



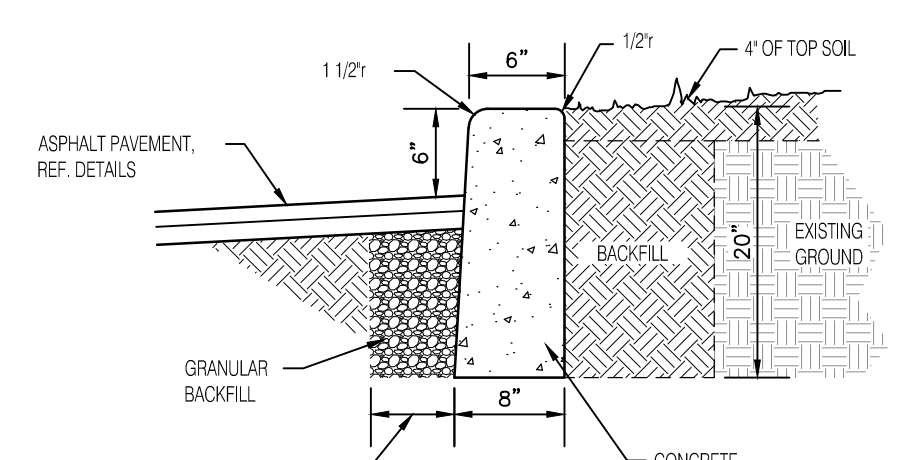
## Specifications

Electrical Input	Single Port	Dual Port
AC Power Input Rating - Standard	208/240 VAC 60 Hz single phase @ 30 A	208/240 VAC 60 Hz single phase @ 30 A x 2
AC Power Input Rating - Power Sharing	n/a	208/240 VAC 60 Hz single phase @ 32 A
Input Power Connections - Standard	One 40 A branch circuit	Two independent 40 A branch circuits
Input Power Connections - Power Sharing	n/a	One 40 A branch circuit
Required Service Panel Breaker - Standard	40 A dual pole (non-GFCI type)	40 A dual pole (non-GFCI type) x 2
Required Service Panel Breaker - Power Sharing	n/a	40 A dual pole (non-GFCI type)
Service Panel GFCI	Do not provide external GFCI as it may conflict with internal GFCI (CCID)	
Wiring - Standard	3-wire (L1, L2, Earth)	5-wire (L1, L2, Earth)
Wiring - Power Sharing	n/a	3-wire (L1, L2, Earth)
Station Power	8 W typical (standby), 15 W maximum (operation)	
Electrical Output		
AC - Standard	7.2 kW (240 VAC @ 30 A)	7.2 kW (240 VAC @ 30 A) x 2
AC - Power Sharing	n/a	7.2 kW (240 VAC @ 30 A) x 1 OR 3.8 kW (240 VAC @ 16 A) x 2
Functional Interfaces		
Connector(s) Type	SAE J1772™	SAE J1772™ x 2
Charging Cable Length	18' (5.5 meters)	18' (5.5 meters) x 2
Overhead Cable Management System	Yes	
LCD Display	5.7" full color, 640x480, 30 fps full motion video, active matrix, UV protected	
Card Reader	ISO 15693, 14443, NFC	
Locking Hostler	Yes	Yes x 2
Safety and Connectivity Features		
Ground Fault Detection	20 mA CCID with auto retry	
Open Safety Ground Detection	Continuously monitors presence of safety (green wire) ground connection	
Plug-Out Detection	Power terminated per SAE J1772™ specifications	
Power Measurement Accuracy	+/- 2% from 2% to full scale (32 A)	
Power Report/Store Interval	15 minute, aligned to hour	
Local Area Network	2.4 GHz Wi-Fi (802.11 b/g/n)	
Wide Area Network	LTE Category 4	
Safety and Operational Ratings		
Enclosure Rating	Type 3R per UL 50E	
Safety Compliance	UL listed for USA and cUL certified for Canada; complies with UL 2594, UL 2231-1, UL 2231-2, and NEC Article 625	
Surge Protection	6 kV @ 3000 A. In geographic areas subject to frequent thunder storms, supplemental surge protection at the service panel is recommended.	
EMC Compliance	FCC Part 15 Class A	
Operating Temperature	-40°F to 122°F (-40°C to 50°C)	
Operating Humidity	up to 85% @ +50°C (122°F) non-condensing	
Non-Operating Humidity	up to 95% @ +50°C (122°F) non-condensing	
Terminal Block Temperature Rating	221°F (105°C)	
Additional Services		
Service Plans	Includes 1-year parts warranty	

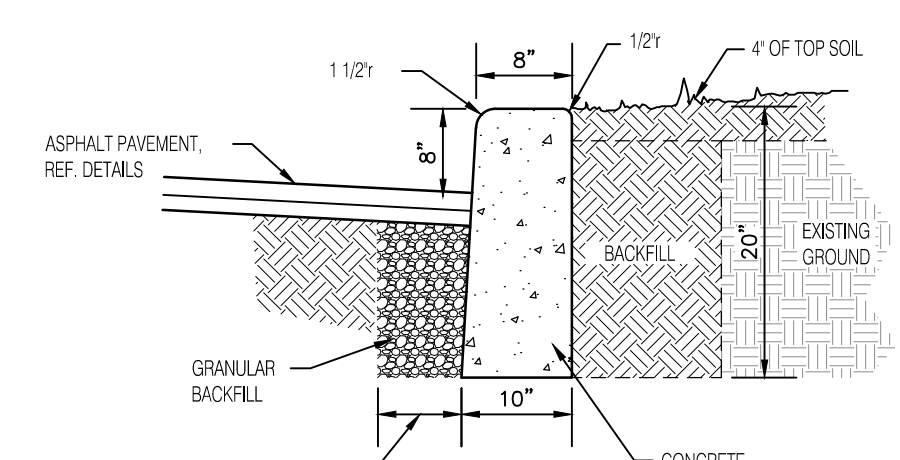
NOTE: All 4000 series stations require a network service plan per port. A 1-year prepaid commercial cloud plan is included. ChargePoint, Inc. reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.

Visit our Website at: [leviton.com/evrgreen](http://leviton.com/evrgreen)  
 email: [evrgreen@leviton.com](mailto:evrgreen@leviton.com)

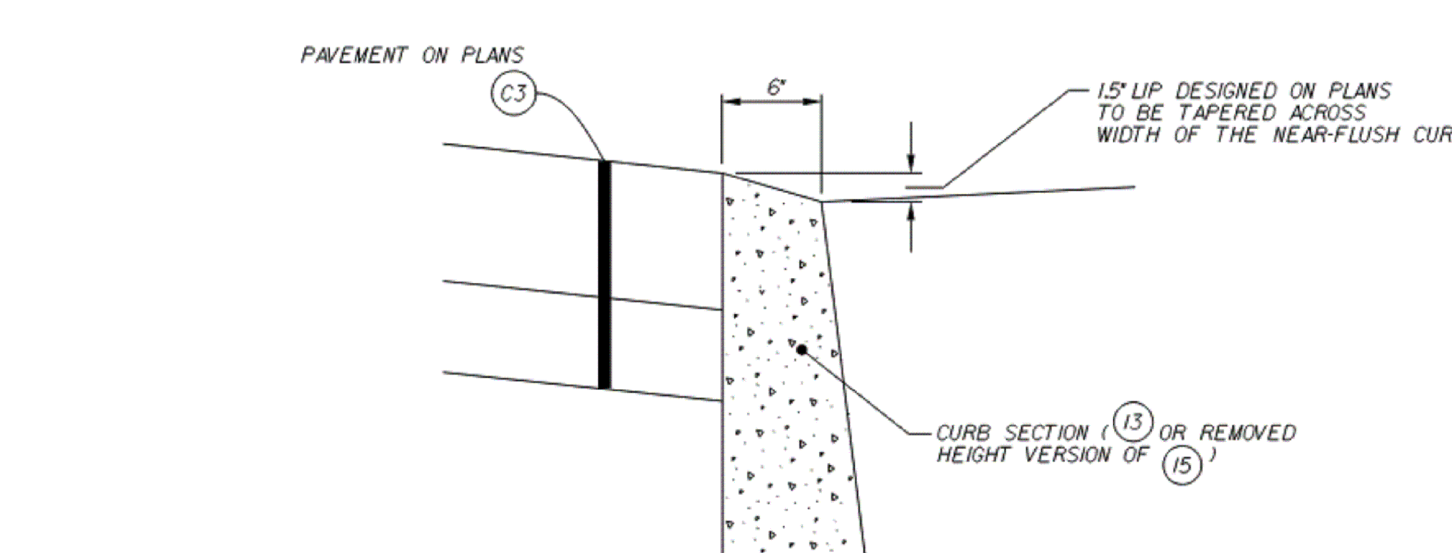
Leviton Manufacturing Co., Inc.  
 201 N Service Rd, Melville, NY 11747  
 Telephone: 1-800-323-8920 • FAX: 1-800-832-9538  
 Tech Line (8:30AM-7:30PM E.S.T. Monday-Friday): 1-800-824-3005  
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STANDARD 6" STRAIGHT CURB  
SCALE: NONE

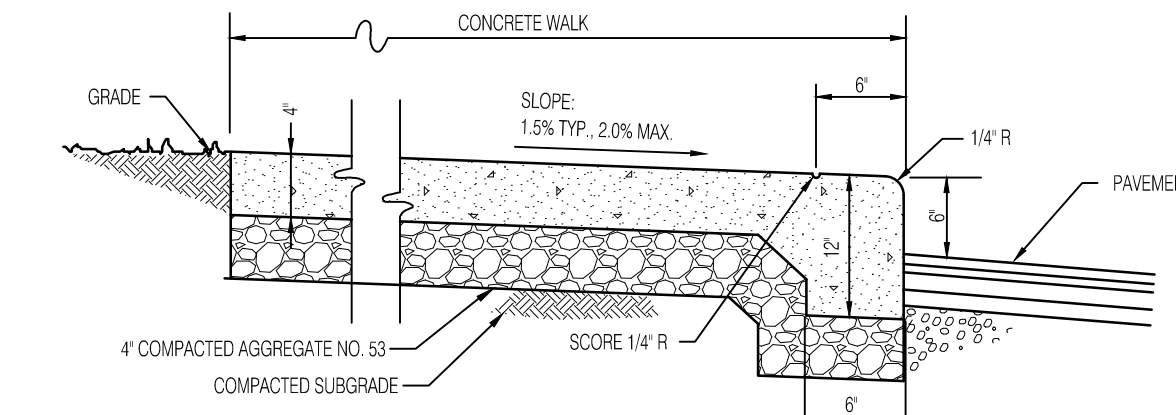


STANDARD 8" STRAIGHT CURB  
SCALE: NONE

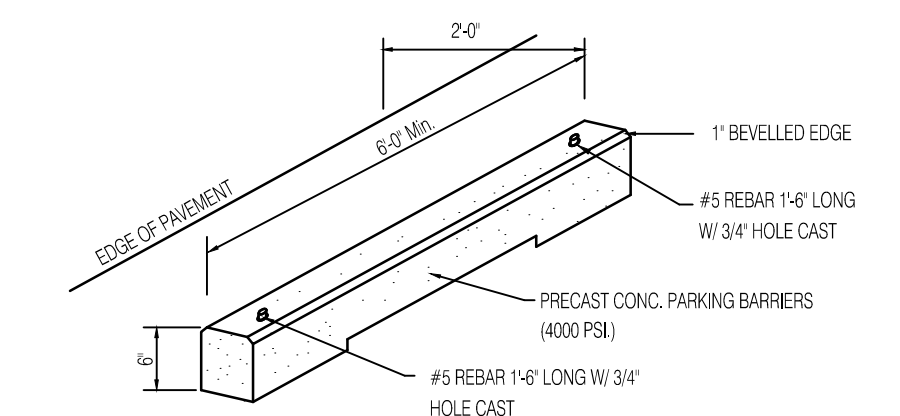


CURB LIP AT DRIVE / ALLEY  
NTS

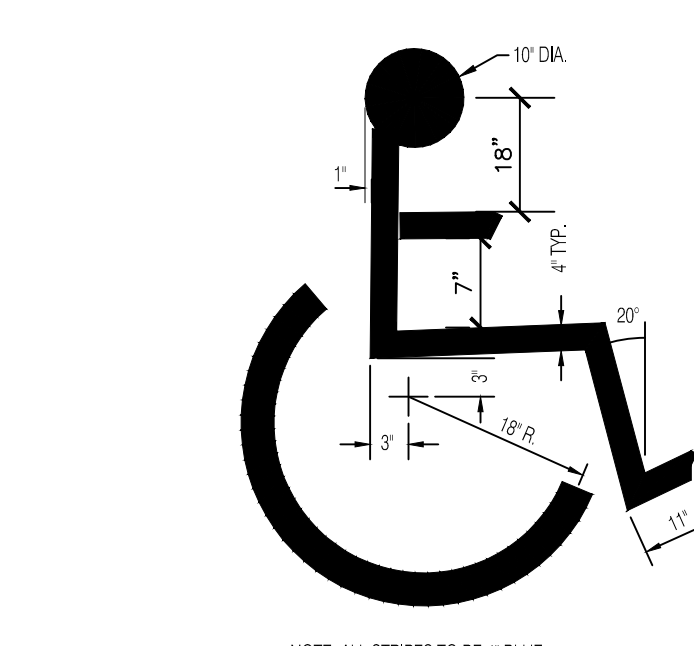
NOTE: WHERE PLANS CALL FOR A 1.5" LIP AT THE GUTTER, IT IS TO BE BUILT AS SHOWN ABOVE WITH 15" HEIGHT CHANGE ACROSS THE 6" TOP OF CURB. IF CURB IS POURED INTEGRAL WITH DRIVE, THEN FINISH AND TOOL THE EDGE TO MATCH THIS PROFILE.



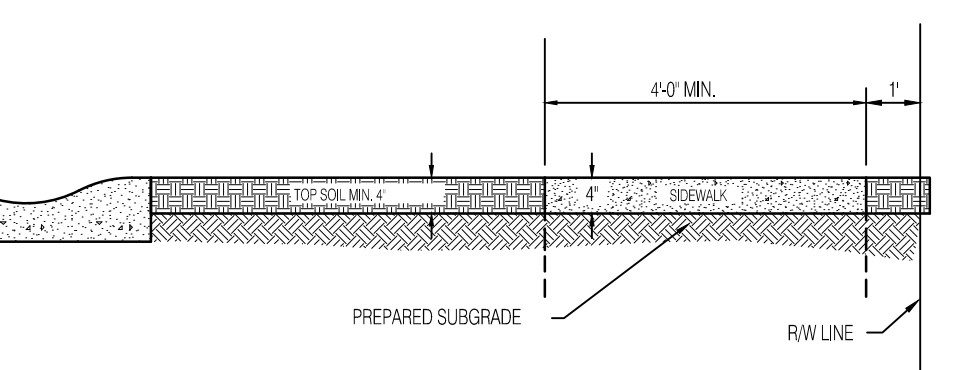
SIDEWALK, CONCRETE, TYPE 1 W/ INTEGRAL CURB  
SCALE: NONE



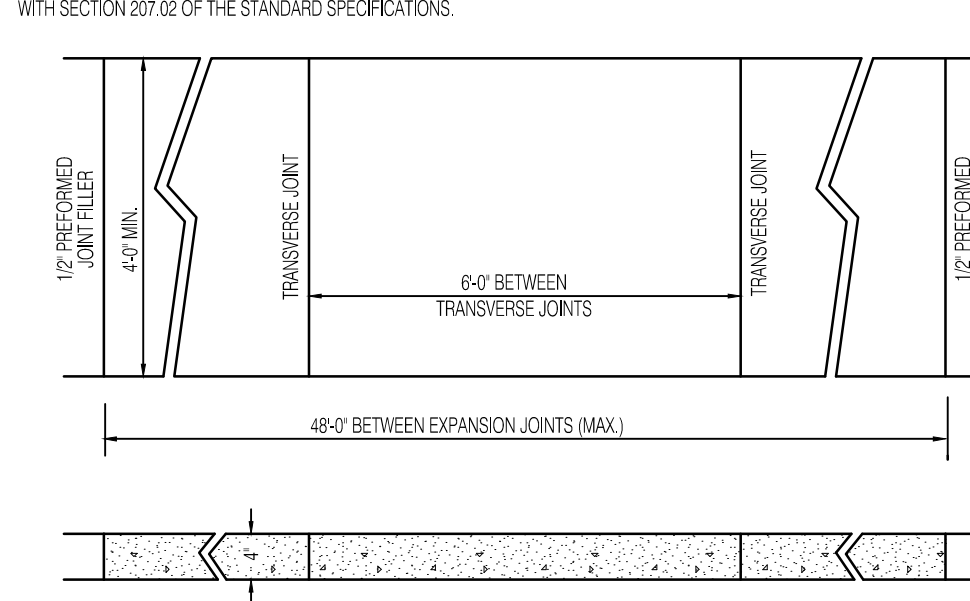
CONCRETE PARKING BUMPER  
SCALE: NONE



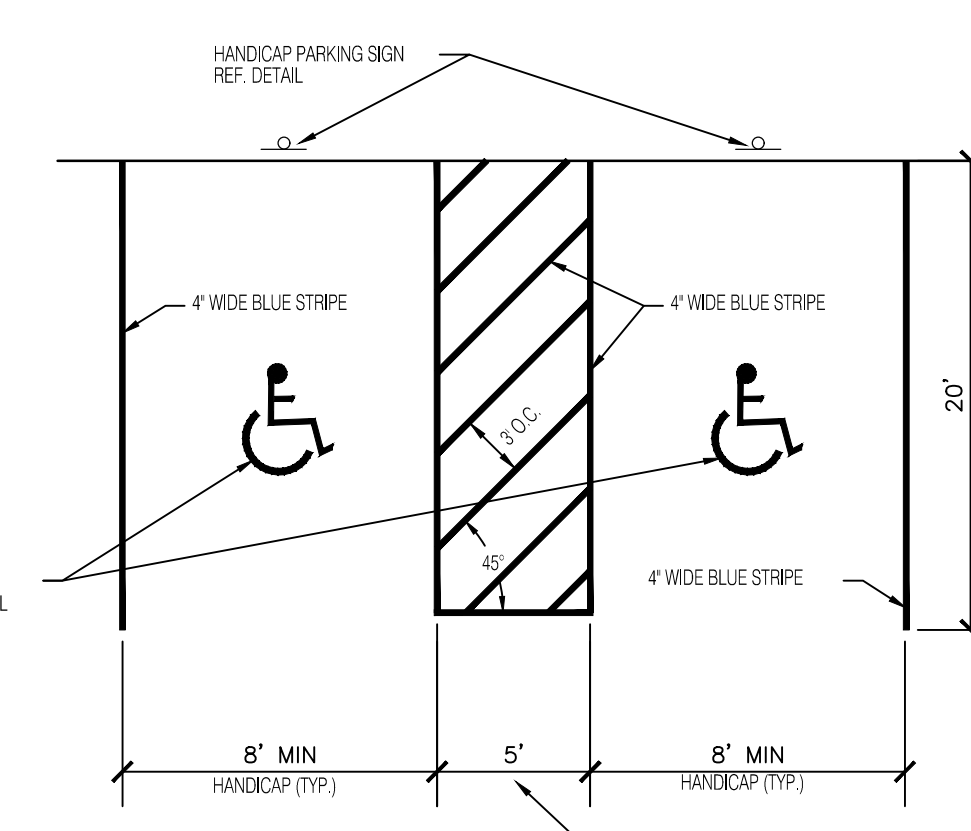
PAINTED ACCESSIBLE SYMBOL DETAIL  
SCALE: NONE



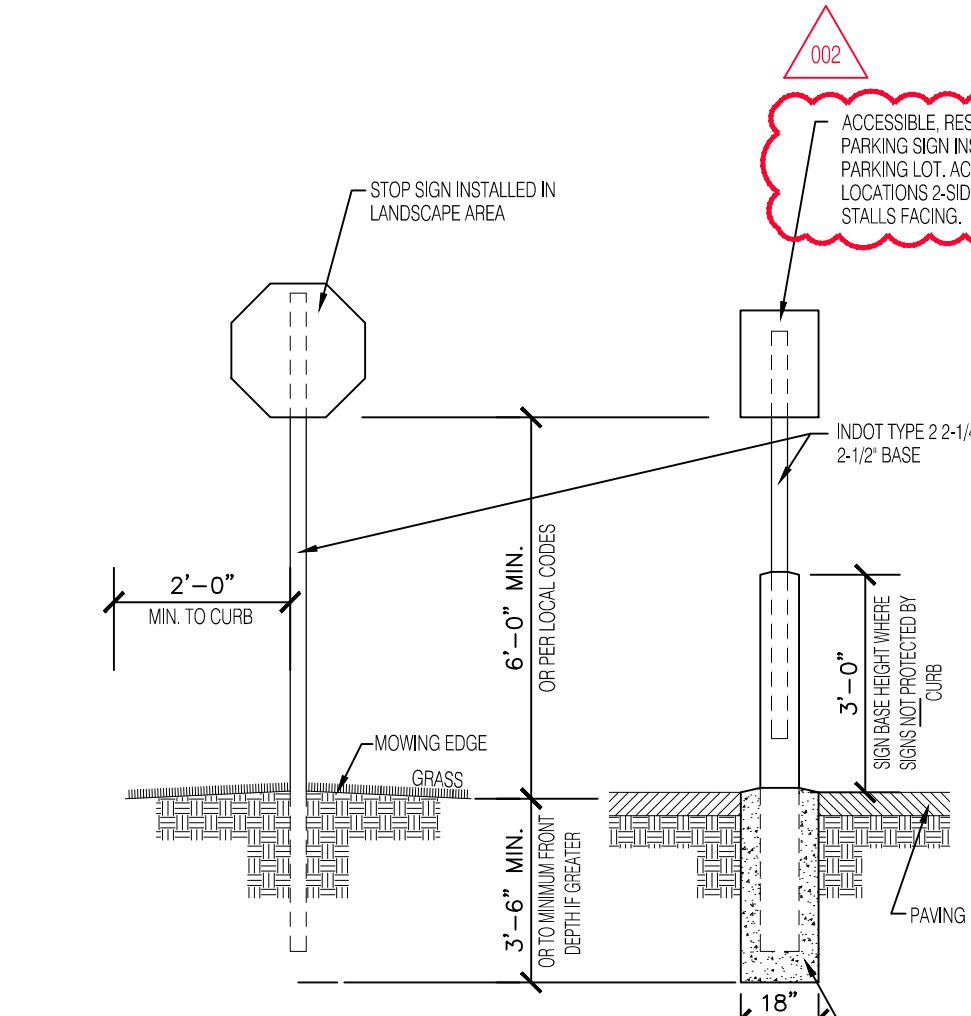
TYPICAL SIDEWALK SECTION  
NOT TO SCALE



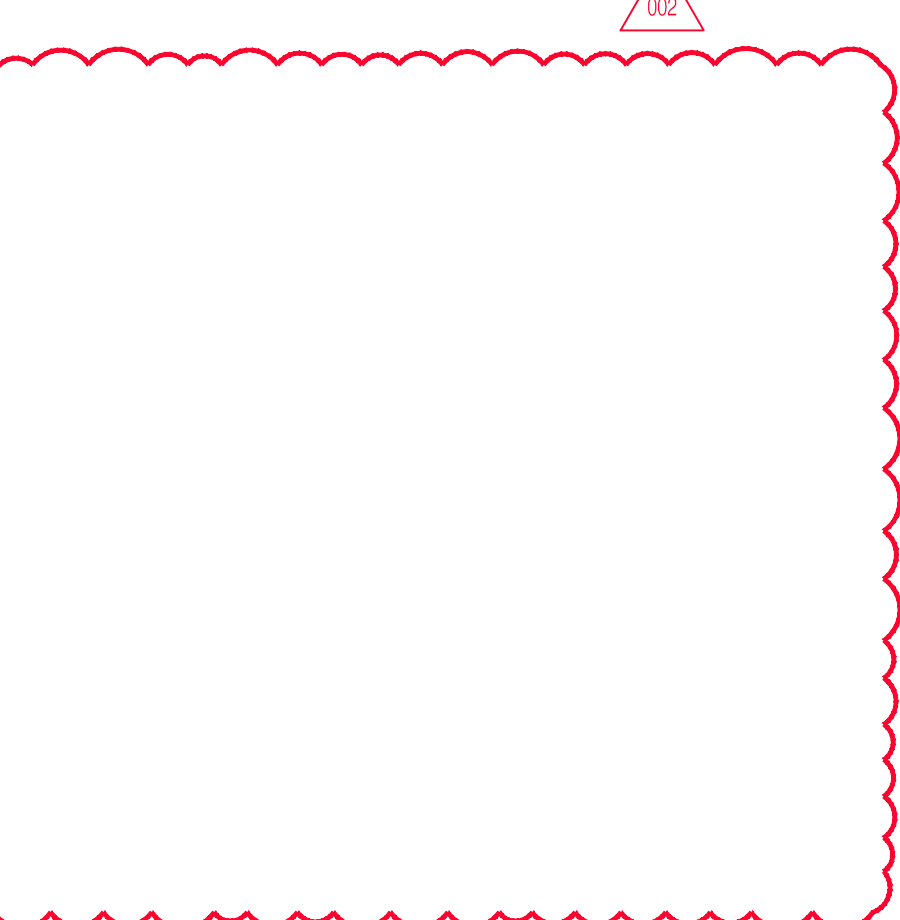
CONCRETE SIDEWALK  
NOT TO SCALE



ACCESSIBLE PARKING STALLS  
SCALE: NONE



TRAFFIC SIGNAGE  
SCALE: NONE



LIGHT-DUTY ASPHALT PAVEMENT  
SCALE: NONE

NO.	DATE	DESCRIPTION
001	04/06/2023	ADDENDUM 1
002	04/28/2023	ADDENDUM 2

CLIENT:

**CITY OF BLOOMINGTON**

Bloomington, IN 47403

DESIGN TEAM

**shrewsberry**

**REA**

ARCHITECTURAL  
CIVIL ENGINEERING  
PLANNING  
LAND SURVEYING

BEA  
TYNUM PARTO & ASSOCIATES, INC.  
528 North Walnut Street  
Bloomington, Indiana 47404 (317) 332-8030

CERTIFIED BY:

**MATTHEW D. WALLACE**  
REGISTERED  
STATE OF INDIANA  
No. 10302418  
PROFESSIONAL ENGINEER

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**HOPEWELL INFRASTRUCTURE & SITE ENGINEERING**

**PHASE 1 EAST - RE-BID**

CITY OF BLOOMINGTON  
BLOOMINGTON, INDIANA 47403

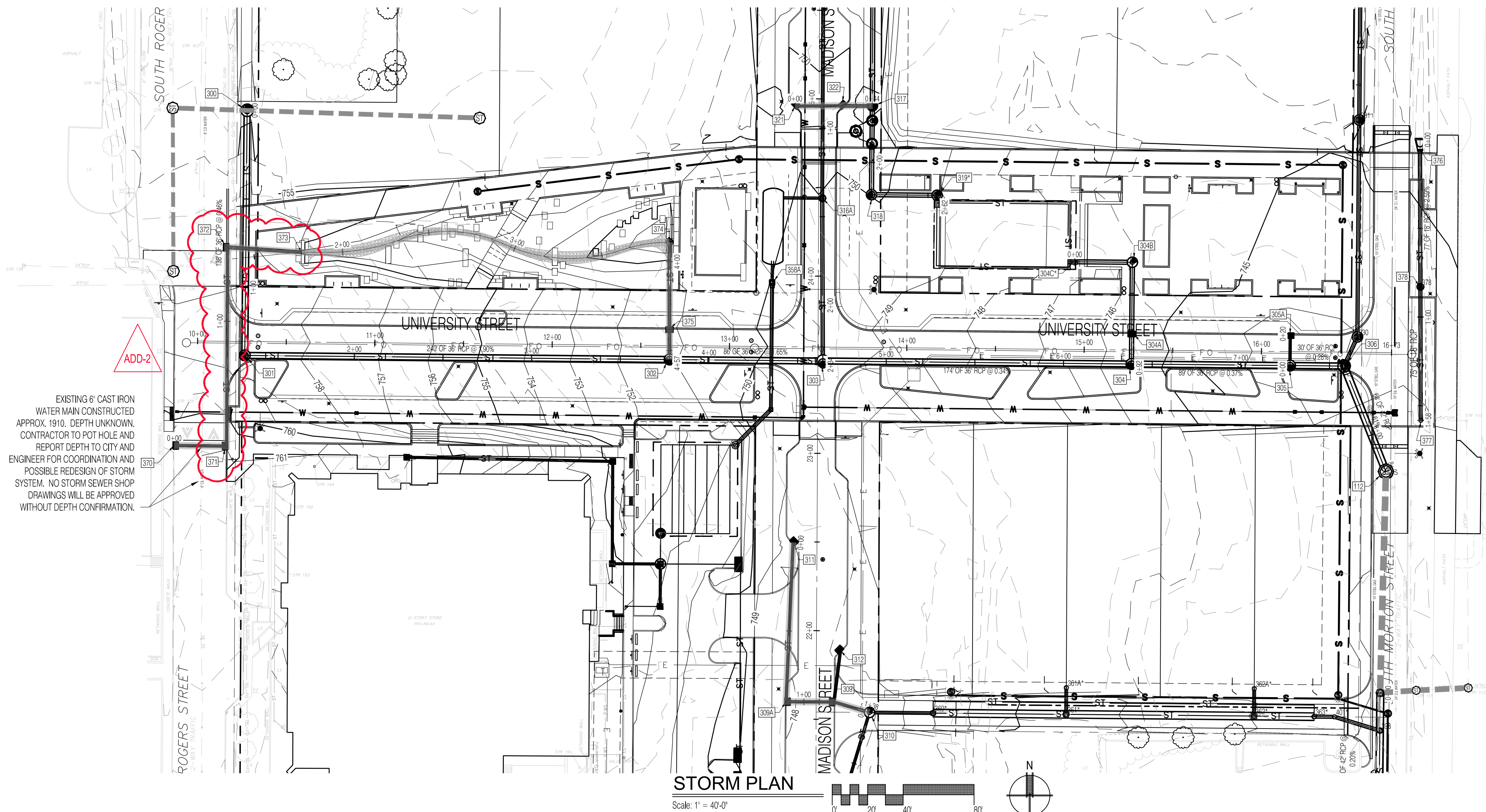
DATE: 03/15/2023 PROJECT NO.: 21-0049

DRAWN BY: RDR CHECKED BY: MDW

DRAWING STATUS: RE-BID

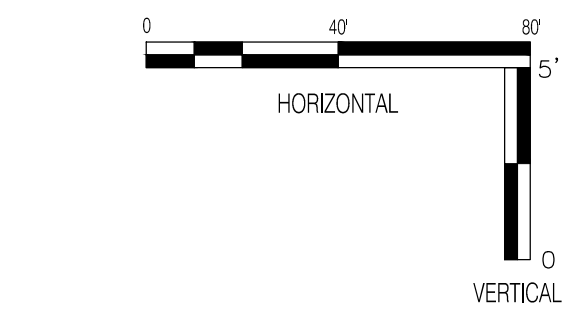
SHEET TITLE: CENTERSTONE SITE DETAILS

SHEET NO.: C210



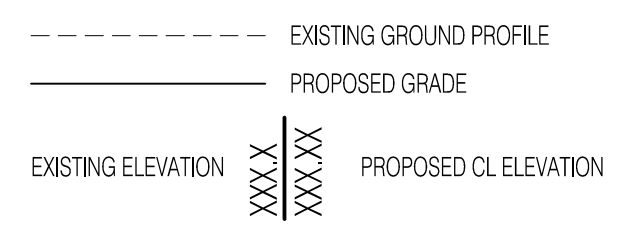
**LEGEND:**

- RIGHT OF WAY LINE (EXISTING RW)
- EASEMENT LINE
- CENTER LINE
- RIGHT OF WAY LINE (NEW RW)
- LOT LINE
- PARKING STRIPING
- PWS WATER MAIN
- ST STORM SEWER
- S SANITARY SEWER
- EX EXISTING
- INV INVERT ELEVATION
- MH MANHOLE
- RCP REINFORCED CONCRETE PIPE
- TC TOP OF CURB/TOP OF CASTING GRADE
- GRANULAR BACKFILL - SEE DETAIL SHEET C303



**GENERAL NOTES**

1. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
2. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKERS SAFETY.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
4. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL EXISTING ELEVATIONS BEFORE CONSTRUCTION BEGINS.
5. THE STORM SEWER SYSTEM SHALL BE CONSTRUCTED PER DESIGN SPECIFIED AND AS APPROVED THE CITY OF BLOOMINGTON ON THE FINAL APPROVED CONSTRUCTION PLANS. DEVIATIONS FROM THE APPROVED DESIGN SHALL ONLY BE PERMITTED DUE TO SPECIAL CIRCUMSTANCES OR DIFFICULTY DURING CONSTRUCTION AND WILL REQUIRE PRIOR FIELD APPROVAL FROM A DESIGNATED REPRESENTATIVE OF THE CITY OF BLOOMINGTON IN ADDITION TO SUPPLEMENTAL APPROVAL BY THE DESIGN ENGINEER. AN EXPLANATION OF ANY SUCH DEVIATION SHALL BE INCLUDED AS A REQUIREMENT ON AS-BUILT RECORD DRAWINGS SUBMITTED FOR RELEASE OF PERFORMANCE GUARANTEES. APPROVED DESIGN SLOPES IDENTIFIED AS GENERATING VELOCITIES OF 2.5 FPS OR LESS OR 10 FPS OR GREATER (AT FULL FLOW CAPACITY) SHALL REQUIRE AS-BUILT EACH SECTION OF STORM PIPE AS IT IS BEING INSTALLED TO ENSURE COMPLIANCE WITH THE DESIGN PLANS AND AS APPROVED BY THE CITY OF BLOOMINGTON.
6. NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.
7. ALL STORM WATER DRAINAGE CASTINGS SHALL BE LABELED WITH ENVIRONMENTAL MESSAGING "DUMP NO WASTE".
8. ALL CONCRETE PIPE JOINTS SHALL BE CONTINUOUS O-RING GASKET CONFORMING TO ASTM C 443.



EXISTING 6" CAST IRON WATER MAIN CONSTRUCTED APPROX. 10'0" DEPTH UNKNOWN. CONTRACTOR TO POT HOLE AND REPORT DEPTH TO CITY AND ENGINEER FOR COORDINATION AND POSSIBLE REDESIGN OF STORM SYSTEM. NO STORM SEWER SHOP DRAWINGS WILL BE APPROVED WITHOUT DEPTH CONFIRMATION.

REVISIONS

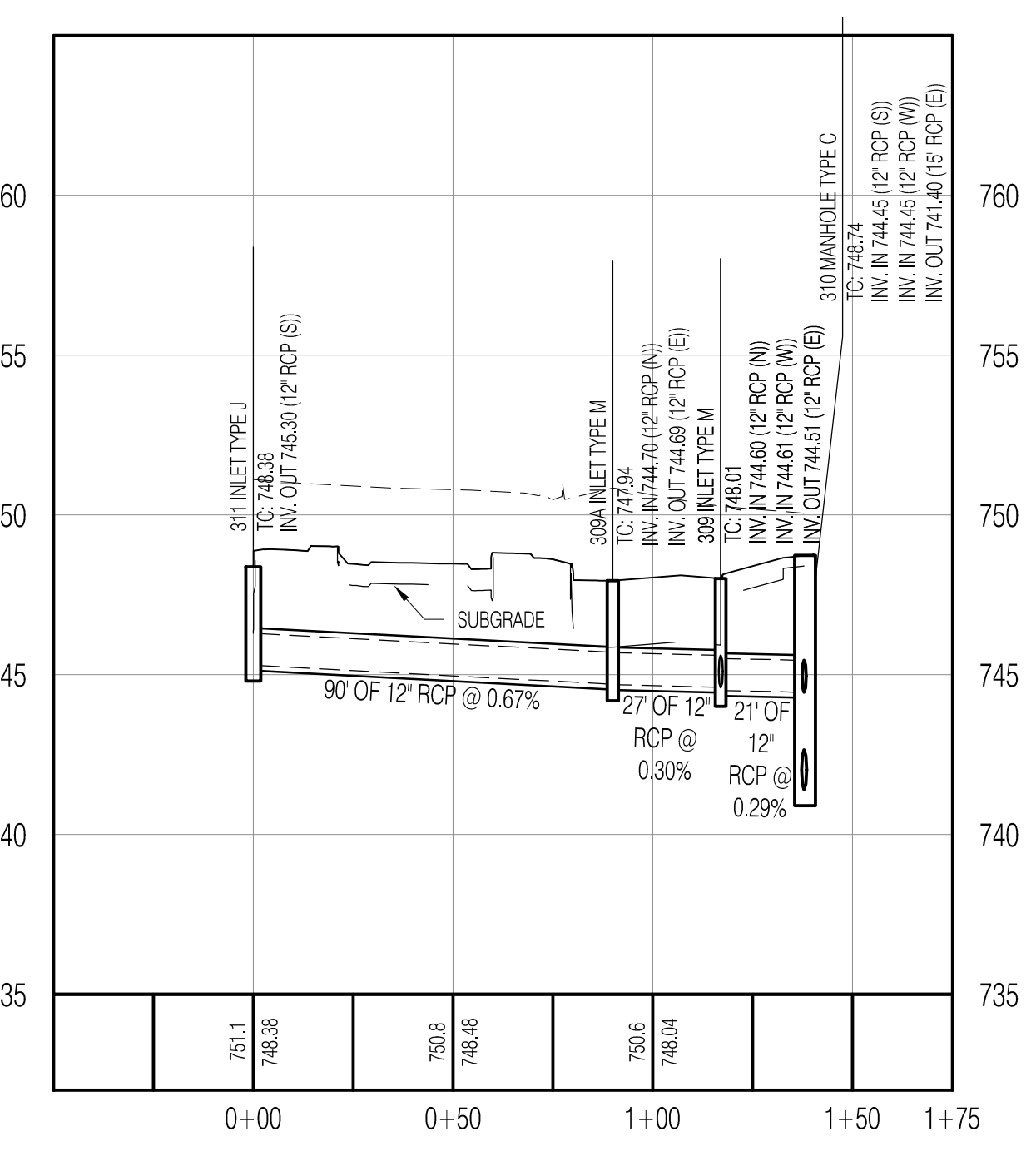
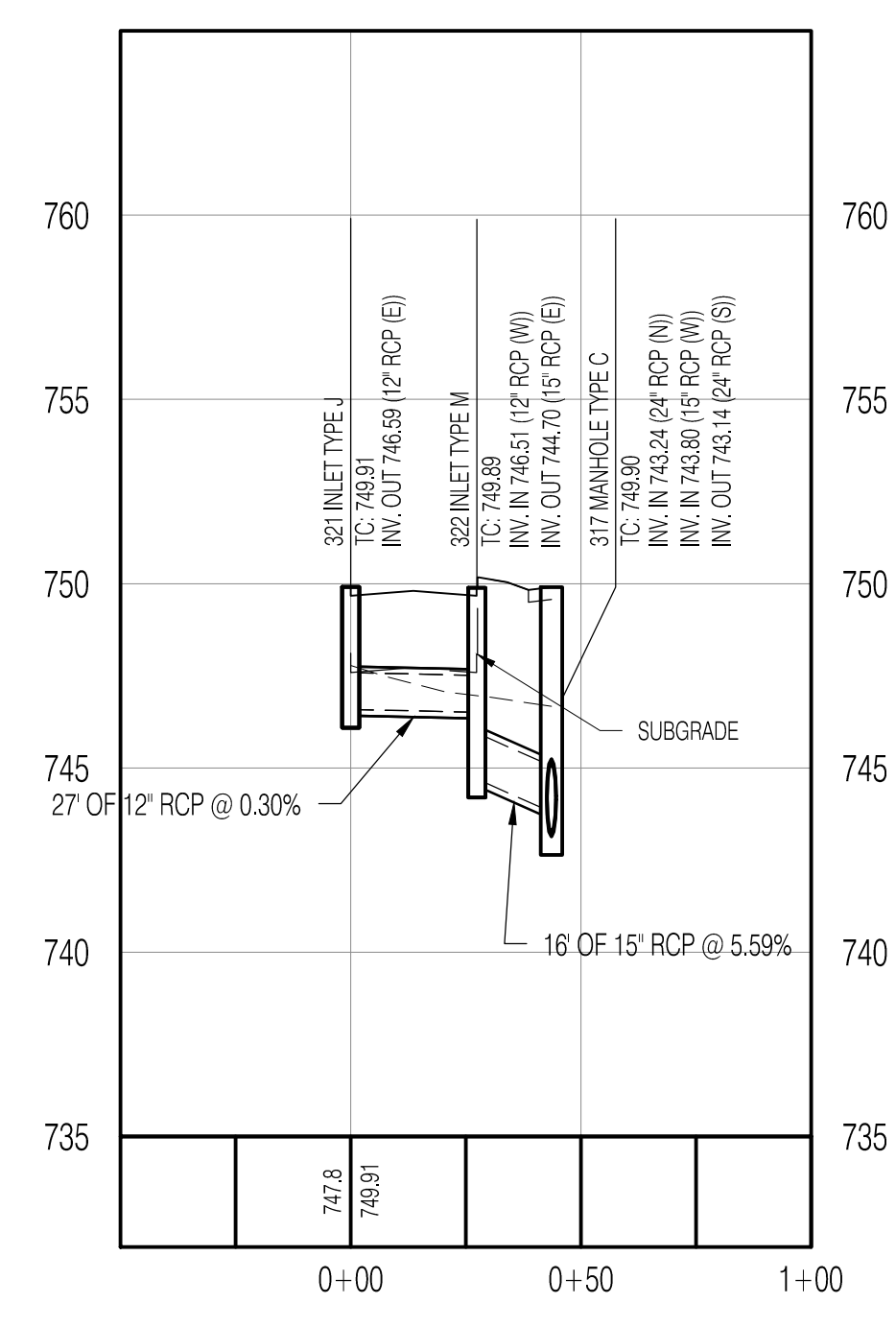
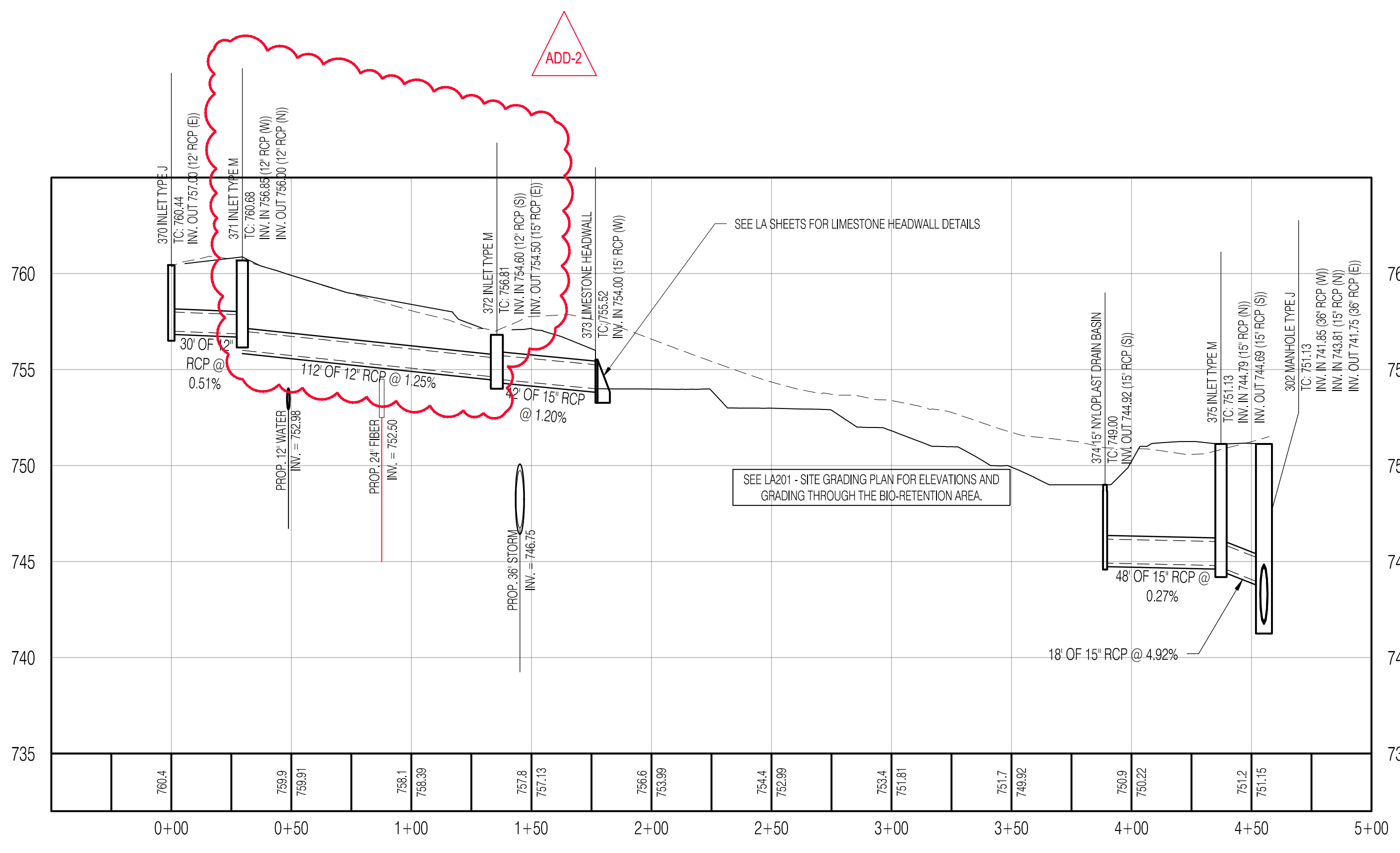
NO.	DATE	DESCRIPTION
1	04/17/2023	ADDENDUM 1
2	04/27/2023	ADDENDUM 2

CLIENT:  
**CITY OF BLOOMINGTON**  
Bloomington, IN 47403

DESIGN TEAM  
**shrewsberry**  
**REA**  
ARCHITECTURAL  
CIVIL ENGINEERING  
PLANNING  
LAND SURVEYING

CERTIFIED BY:  
**MATTHEW D. WALLACE**  
REGISTERED  
No. 10302418  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

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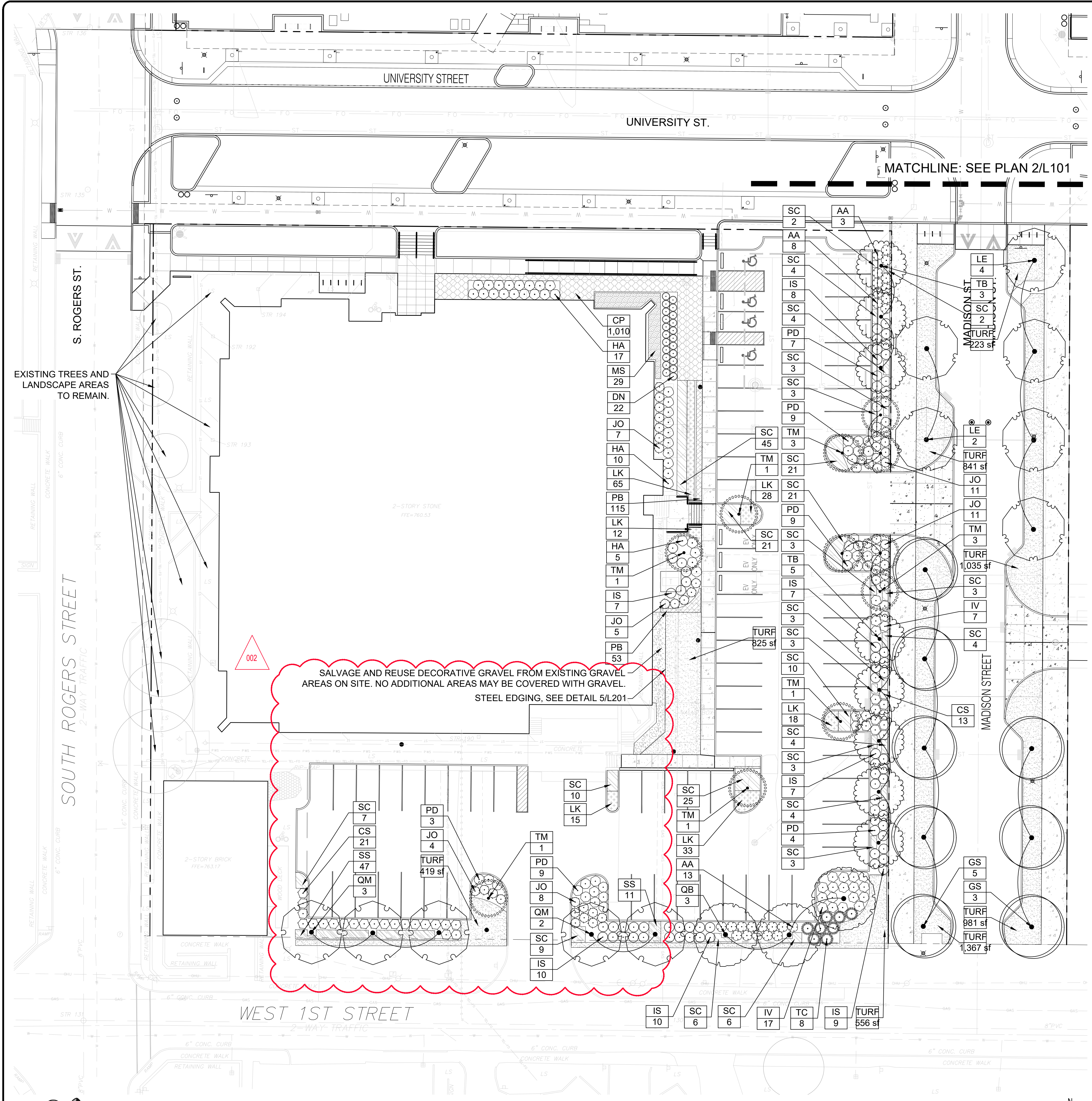


**HOPEWELL INFRASTRUCTURE & SITE ENGINEERING**  
PHASE 1 EAST - RE-BID  
CITY OF BLOOMINGTON, INDIANA 47403

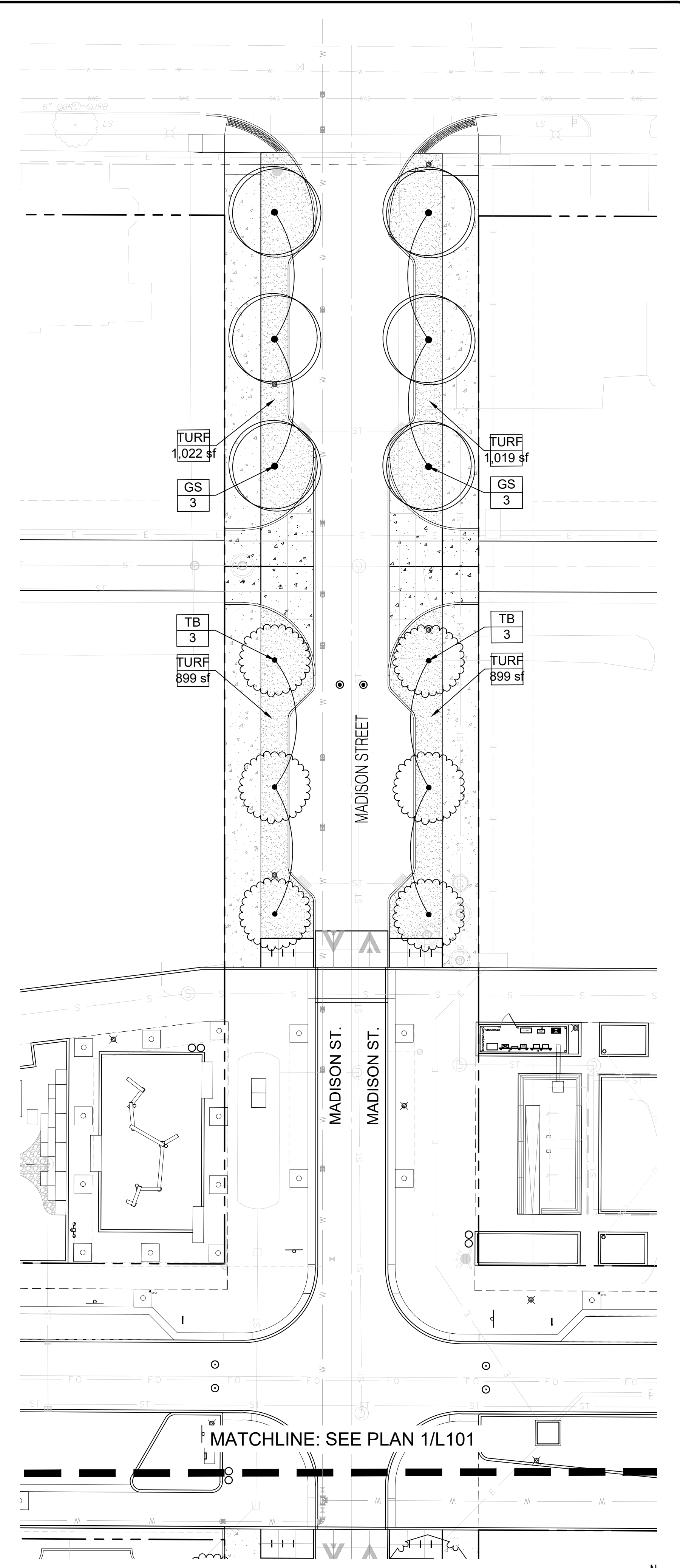
DATE: 03/15/2023	PROJECT NO.: 21-0049
DRAWN BY: RDR	CHECKED BY: MDW
DRAWING STATUS: RE-BID	
SHEET TITLE: STORM SEWER PLAN & PROFILE	
SHEET NO.: C301	



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① CENTERSTONE LANDSCAPE PLAN - MADISON AVENUE SOUTH  
Scale: 1" = 20'-0"



② MADISON AVENUE NORTH LANDSCAPE PLAN  
Scale: 1" = 20'-0"

REVISIONS			
NO.	DATE	DESCRIPTION	ADDENDUM
002	04/28/2023		ADDENDUM 2

CLIENT:  
**CITY OF BLOOMINGTON**  
 Bloomington, IN  
 47403

DESIGN TEAM:  
**shrewsberry**  
**REA**  
 ARCHITECTURAL  
 CIVIL ENGINEERING  
 PLANNING  
 LAND SURVEYING

CERTIFIED BY:  
  
 MICHAEL ROTH  
 LA21800020  
 STATE OF INDIANA  
 LANDSCAPE ARCHITECT

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**HOPEWELL INFRASTRUCTURE & SITE ENGINEERING**  
**PHASE 1 EAST - RE-BID**  
 CITY OF BLOOMINGTON  
 BLOOMINGTON, INDIANA 47403

DATE: 03/15/2023	PROJECT NO: 21-0049
DRAWN BY: MER	CHECKED BY: MDW
DRAWING STATUS: RE-BID	

SHEET TITLE:  
**CENTERSTONE LANDSCAPE PLAN**

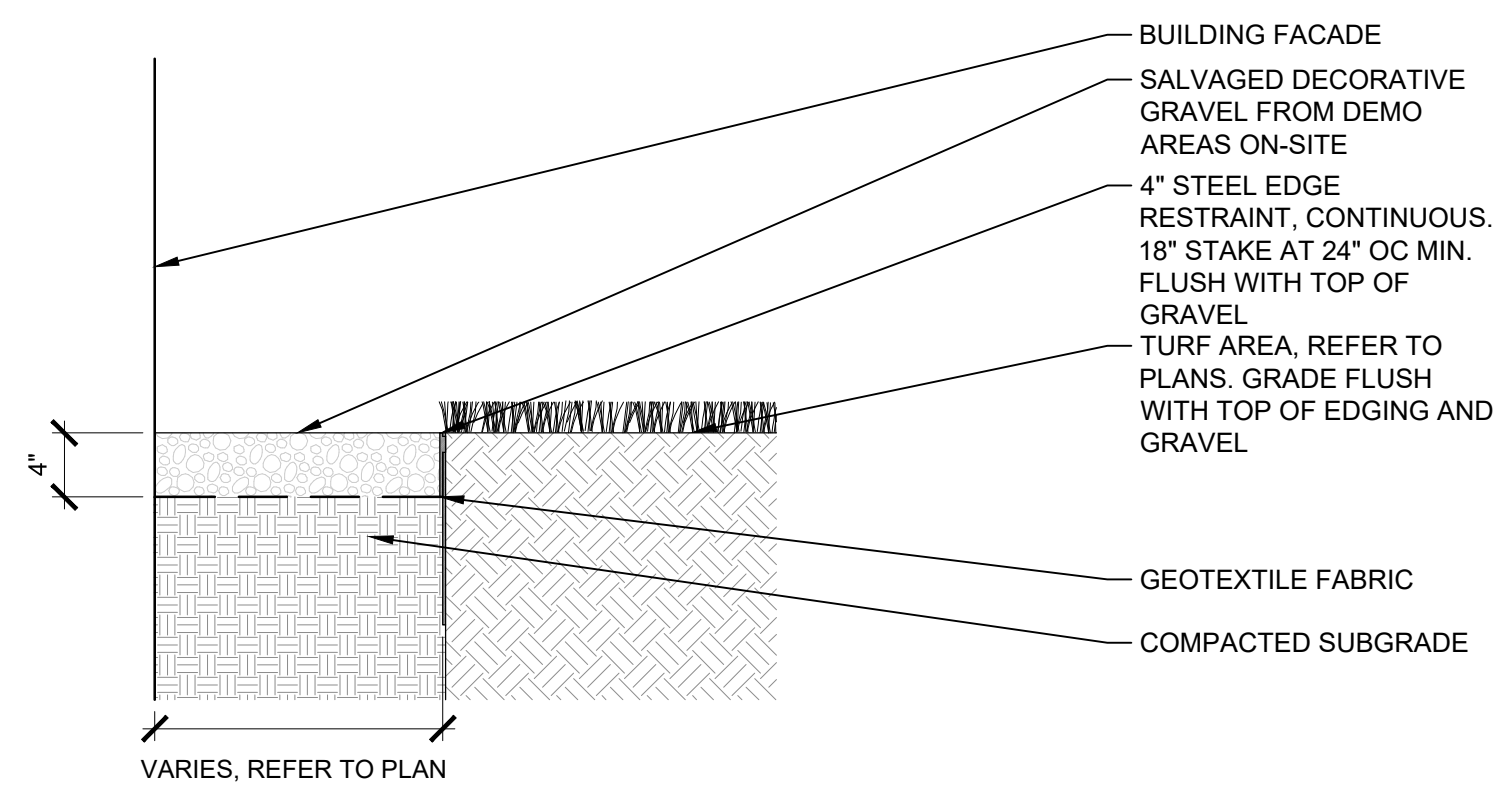
SHEET NO:  
**L101**



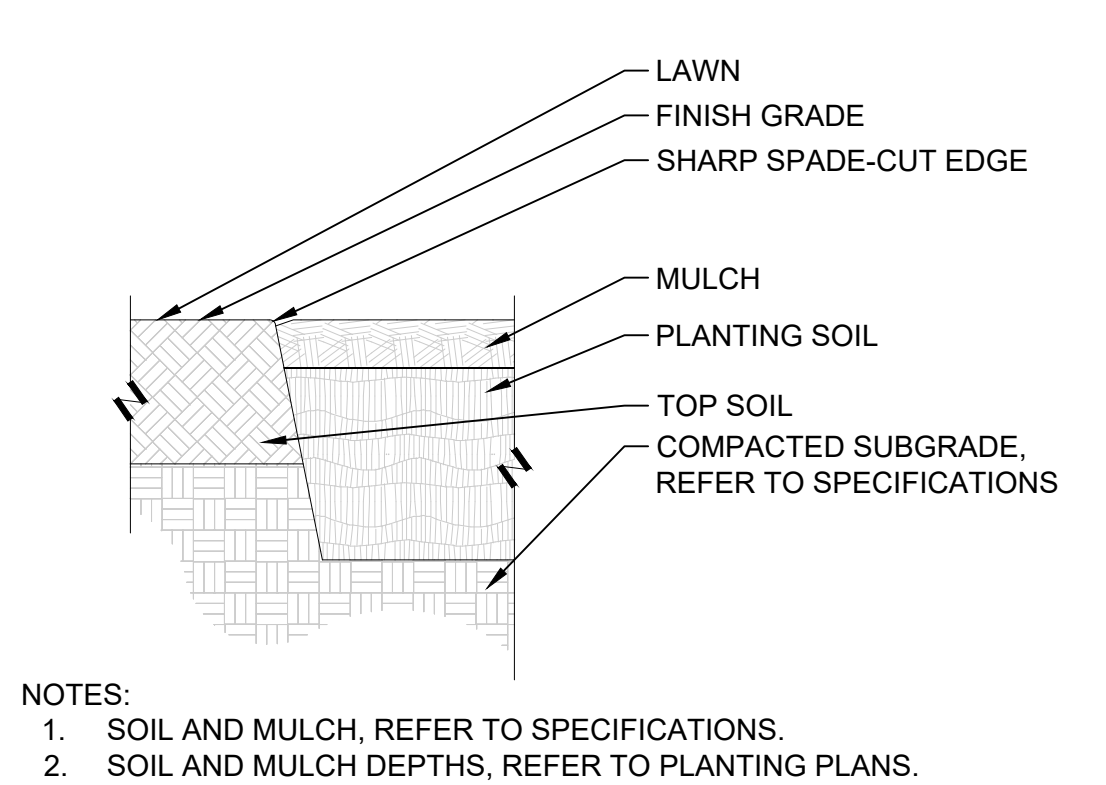
**PLANT SCHEDULE**

TREE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
GS	14	GLEDITSIA TRIACANTHOS 'INERMIS' / SKYLINE HONEY LOCUST	2" CAL. B&B	
LE	6	LIRIODENDRON TULIPIFERA 'JFS-OZ' / EMERALD CITY® TULIP POPLAR	2" CAL. B&B	
QB	3	QUERCUS BICOLOR / SWAMP WHITE OAK	2" CAL. B&B	
QM	5	QUERCUS MACROCARPA / BURR OAK	2" CAL. B&B	
TM	11	TAXODIUM DISTICHUM 'MICKELSON' / SHAWNEE BRAVE™ BALD CYPRESS	2" CAL. B&B	
TB	14	TILIA AMERICANA 'BOULEVARD' / BOULEVARD AMERICAN LINDEN	2" CAL. B&B	
<b>DECIDUOUS SHRUBS</b>	<b>QTY</b>	<b>BOTANICAL / COMMON NAME</b>	<b>SIZE</b>	<b>SPACING</b>
AA	24	ARONIA MELANOCARPA 'AUTUMN MAGIC' / AUTUMN MAGIC BLACK CHOKEBERRY	3 GAL.	48" o.c.
CS	34	CEPHALANTHUS OCCIDENTALIS 'SMCOSS' / SUGAR SHACK® BUTTONBUSH	3 GAL.	48" o.c.
DN	22	DEUTZIA GRACILIS 'NIKKO' / NIKKO DEUTZIA	3 GAL.	36" o.c.
HA	32	HYDRANGEA ARBORESCENS 'ANNABELLE' / ANNABELLE HYDRANGEA	3 GAL.	48" o.c.
IV	24	ITEA VIRGINICA 'HENRY'S GARNET' / HENRY'S GARNET SWEETSPIRE	3 GAL.	48" o.c.
PD	41	PHYSOCARPUS OPULIFOLIUS 'DONNA MAY' / LITTLE DEVIL™ DWARF NINEBARK	3 GAL.	48" o.c.
<b>EVERGREEN SHRUBS</b>	<b>QTY</b>	<b>BOTANICAL / COMMON NAME</b>	<b>SIZE</b>	<b>SPACING</b>
IS	58	ILEX GLABRA 'SHAMROCK' / SHAMROCK INKBERRY HOLLY	3 GAL.	48" o.c.
JO	46	JUNIPERUS VIRGINIANA 'GREY OWL' / GREY OWL EASTERN REDCEDAR	3 GAL.	48" o.c.
TC	8	TAXUS CANADENSIS / CANADA YEW	3 GAL.	60" o.c.
<b>TURF</b>	<b>QTY</b>	<b>BOTANICAL / COMMON NAME</b>	<b>SIZE</b>	<b>SPACING</b>
TURF	10,086 SF	POA PRATENSIS / KENTUCKY BLUEGRASS	SOD	
<b>PERENNIALS</b>	<b>QTY</b>	<b>BOTANICAL / COMMON NAME</b>	<b>SIZE</b>	<b>SPACING</b>
LK	171	LIATRIS SPICATA 'KOBOLD' / KOBOLD BLAZING STAR	1 GAL.	18" o.c.
MS	29	MATTEUCCIA STRUTHIOPTERIS / OSTRICH FERN	1 GAL.	36" o.c.
SC	229	SCHIZACHYRIUM SCOPARIUM 'CAROUSEL' / CAROUSEL LITTLE BLUESTEM	1 GAL.	24" o.c.
SS	58	SCHIZACHYRIUM SCOPARIUM 'STANDING OVATION' / STANDING OVATION LITTLE BLUESTEM	1 GAL.	24" o.c.
<b>GROUNDCOVERS</b>	<b>QTY</b>	<b>BOTANICAL / COMMON NAME</b>	<b>SIZE</b>	<b>SPACING</b>
CP	1,010	CAREX PENNSYLVANICA / PENNSYLVANIA SEDGE	1 QUART	12" o.c.
PB	168	PHLOX SUBULATA 'BLUE EMERALD' / BLUE EMERALD CREEPING PHLOX	1 QUART	12" o.c.

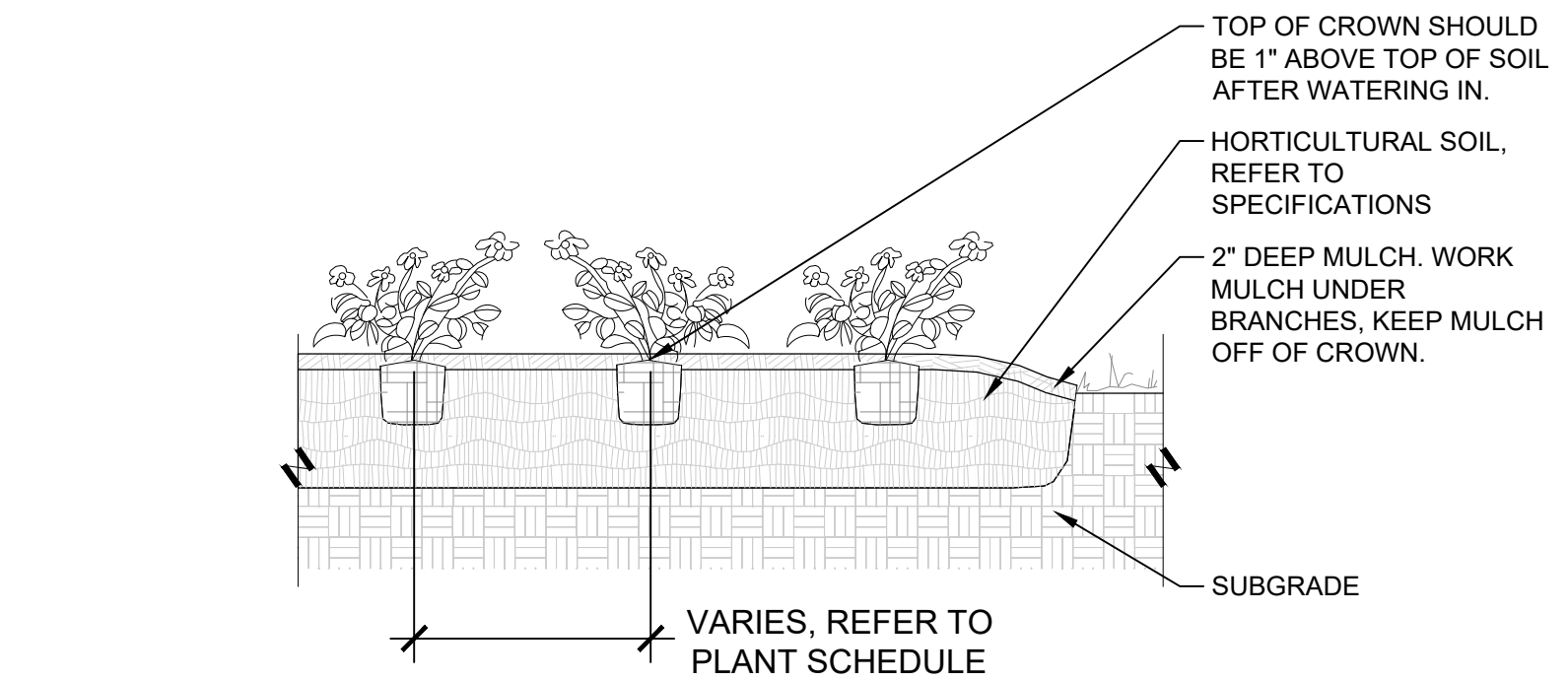
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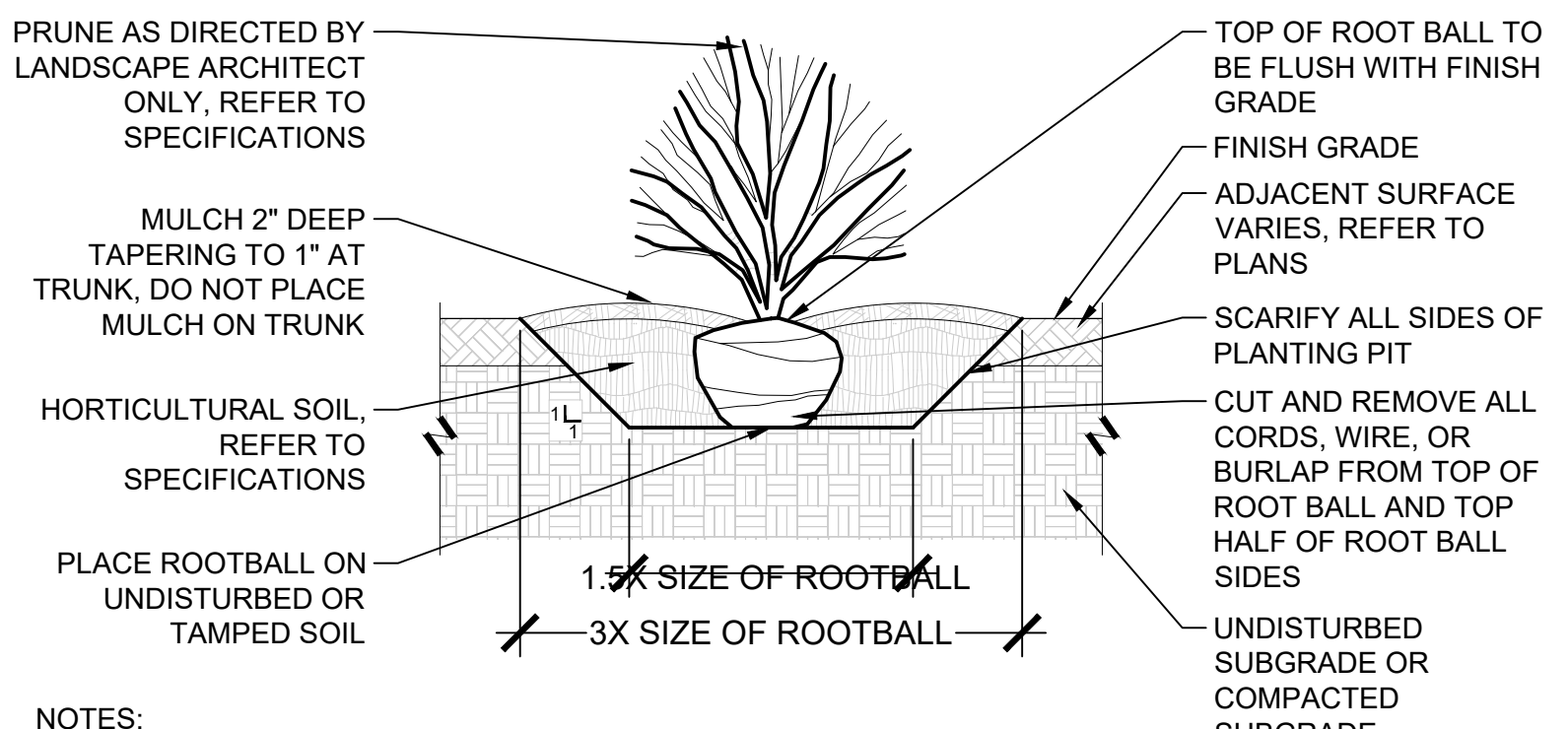
**5 SECTION - DECORATIVE GRAVEL WITH STEEL EDGING**  
1" = 1'-0"



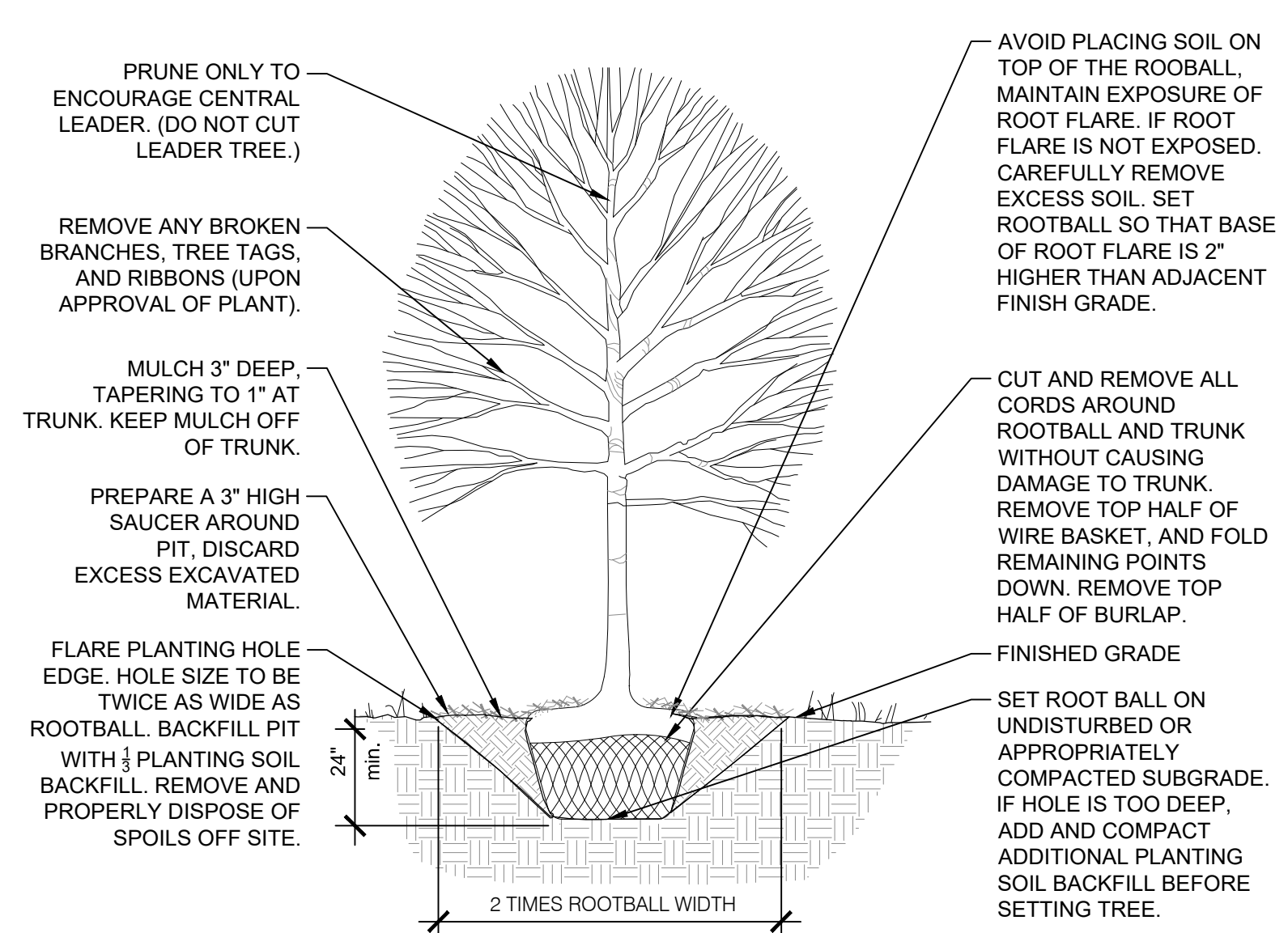
**4 SECTION | PLANTING EDGE - SPADE**  
1 1/2" = 1'-0"



**3 SECTION | GROUNDCOVER - DECIDUOUS AND EVERGREEN**



**2 SECTION | SHRUB - HERBACEOUS AND WOODY**  
1/2" = 1'-0"



**1 SECTION - DECIDUOUS TREE PLANTING**  
1/2" = 1'-0"

**PLANTING NOTES**

- IN CASE OF DISCREPANCIES BETWEEN THE LANDSCAPE PLAN AND THE PLANT SCHEDULE, THE PLAN SHALL DICTATE.
- PLANTS AND OTHER MATERIALS ARE QUANTIFIED AND SUMMARIZED FOR THE CONVENIENCE OF THE OWNER ONLY. CONFIRM AND INSTALL SUFFICIENT QUANTITIES TO COMPLETE THE WORK AS DRAWN. NO ADDITIONAL PAYMENTS WILL BE MADE FOR MATERIALS REQUIRED TO COMPLETE THE WORK AS DRAWN.
- CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS AND FEES THAT MAY BE REQUIRED BY AUTHORITIES HAVING JURISDICTION FOR THIS PORTION OF THE WORK.
- STAKE TREE AND PLANTING BED LAYOUT FOR APPROVAL BY OWNER'S REPRESENTATIVE BEFORE PLANTING OPERATIONS ARE TO PROCEED. TREE LOCATIONS SHALL BE MARKED WITH A STAKE BEARING A LEGIBLE NOTE INDICATING VARIETY AND SIZE OF TREE. PLANTING BED EDGES SHALL BE MARKED WITH A HIGHLY VISIBLE PAINT LINE. STAKES SHALL BE REMOVED PRIOR TO SUBSTANTIAL COMPLETION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS TO PLANT LOCATIONS. PLANT MATERIAL INSTALLED IN INCORRECT LOCATIONS (IN THE OPINION OF THE OWNERS REPRESENTATIVE) SHALL BE REINSTALLED AT NO ADDITIONAL COST TO THE OWNER.
- DO NOT LOCATE PLANTS WITHIN 10' OF UTILITY STRUCTURES OR WITHIN 5' HORIZONTALLY OF UNDERGROUND UTILITY LINES UNLESS NOTED OTHERWISE ON DRAWINGS.
- SUBSTITUTIONS OF PLANT MATERIALS SHALL NOT BE ALLOWED, IF PLANTS ARE NOT AVAILABLE, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT IDENTIFICATION AT NURSERY OR CONTRACTOR'S OPERATIONS PRIOR TO MOVING TO THE SITE. PLANT MATERIAL MAY ALSO BE INSPECTED AND APPROVED OR REJECTED AT THE PROJECT SITE. OWNERS REPRESENTATIVE RESERVES THE RIGHT TO REJECT PLANT MATERIALS NOT MEETING PROJECT REQUIREMENTS.
- CONTRACTOR SHALL INSPECT SOIL MEDIUM USED IN THE PLANTING AREAS AND PLANTING PITS AND VERIFY ITS SUITABILITY FOR THE PLANT MATERIAL. PLANTING SOIL MEDIUM SHALL BE NON-COMPACTED AND FREE FROM ROCKS, STUMPS, RUBBISH, BROKEN CONCRETE, AND OTHER MATERIAL DELETERIOUS TO PLANT MATERIAL ESTABLISHMENT.
- APPLY PRE-EMERGENT HERBICIDE IN PLANTING BEDS AT RATES SPECIFIED BY MANUFACTURER FOR EACH VARIETY OF PLANT.
- PLANT MATERIAL SHALL MEET CURRENT REQUIREMENTS OF AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) 260.1 NURSERY STANDARDS.
- PLANTS AND OTHER PLANTING MATERIAL MAY BE STORED ON-SITE. PLANTS AND PLANTING MATERIAL TEMPORARILY STORED SHALL BE STORED OUT OF THE SUN AND AWAY FROM CONSTRUCTION OPERATIONS.
- PLANT MATERIAL SHALL BE PLANTED AT THE SAME DEPTH AS GROWN IN THE NURSERY.
- INSTALL TREES IN SAME ORIENTATION AS GROWN IN THE NURSERY. MARK NORTH SIDE OF TREES WITH INDELIBLE MARK AT NURSERY PRIOR TO DIGGING.
- PLANTING BEDS AND TREE MULCH RINGS SHALL HAVE A SHOVEL CUT SPADED EDGE VERTICALLY CUT TO A DEPTH OF 2" UNLESS NOTED OTHERWISE.
- DO NOT STAKE AND GUY TREES LESS THAN 2 1/2" CALIPER UNLESS REQUIRED TO PREVENT WIND TIP-OUT FOR PROPER TREE STABILIZATION. PROMPTLY RESET AND STAKE AND GUY TREES FOLLOWING WIND TIP-OUT.
- PROVIDE TREE WRAP TAPE IMMEDIATELY FOLLOWING TREE INSTALLATION AT ALL THIN-BARKED TREES.
- TREE MULCH RINGS IN LAWN AREAS SHALL HAVE A 5' DIAMETER UNLESS NOTED OTHERWISE ON DRAWINGS.
- THE CONTRACTOR SHALL WEED, WATER, AND MAINTAIN ALL PLANT MATERIAL UNTIL END OF REQUIRED MAINTENANCE PERIOD AND FINAL ACCEPTANCE BY THE OWNER.
- CONTRACTOR SHALL GUARANTEE AND WARRANTY PLANT MATERIALS FOR A PERIOD OF ONE FULL YEAR FOLLOWING PLANTING SUBSTANTIAL COMPLETION.
- LAWN SEED OR SOD LIMITS ARE APPROXIMATE. SOW SEED OR LAY SOD TO LIMITS OF GRADING AND DISTURBANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF UNAUTHORIZED DISTURBANCE OUTSIDE CONSTRUCTION LIMITS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL IN ALL LAWN AND PLANTING AREAS. PROTECT DISTURBED AREAS WITHIN 24 HOURS OF DISTURBANCE. DO NOT DISTURB MORE AREA THAN CAN BE COMPLETED AND PROTECTED WITHIN 24 HOURS.

NO.	DATE	DESCRIPTION
002	04/28/2023	ADDendum 2

CITY OF BLOOMINGTON  
Bloomington, IN 47403

DESIGN TEAM  
**shrewsberry**  
**REA**  
ARCHITECTURAL CIVIL ENGINEERING PLANNING LAND SURVEYING

CERTIFIED BY:  
MICHAEL ROTH  
LA21800020  
STATE OF INDIANA

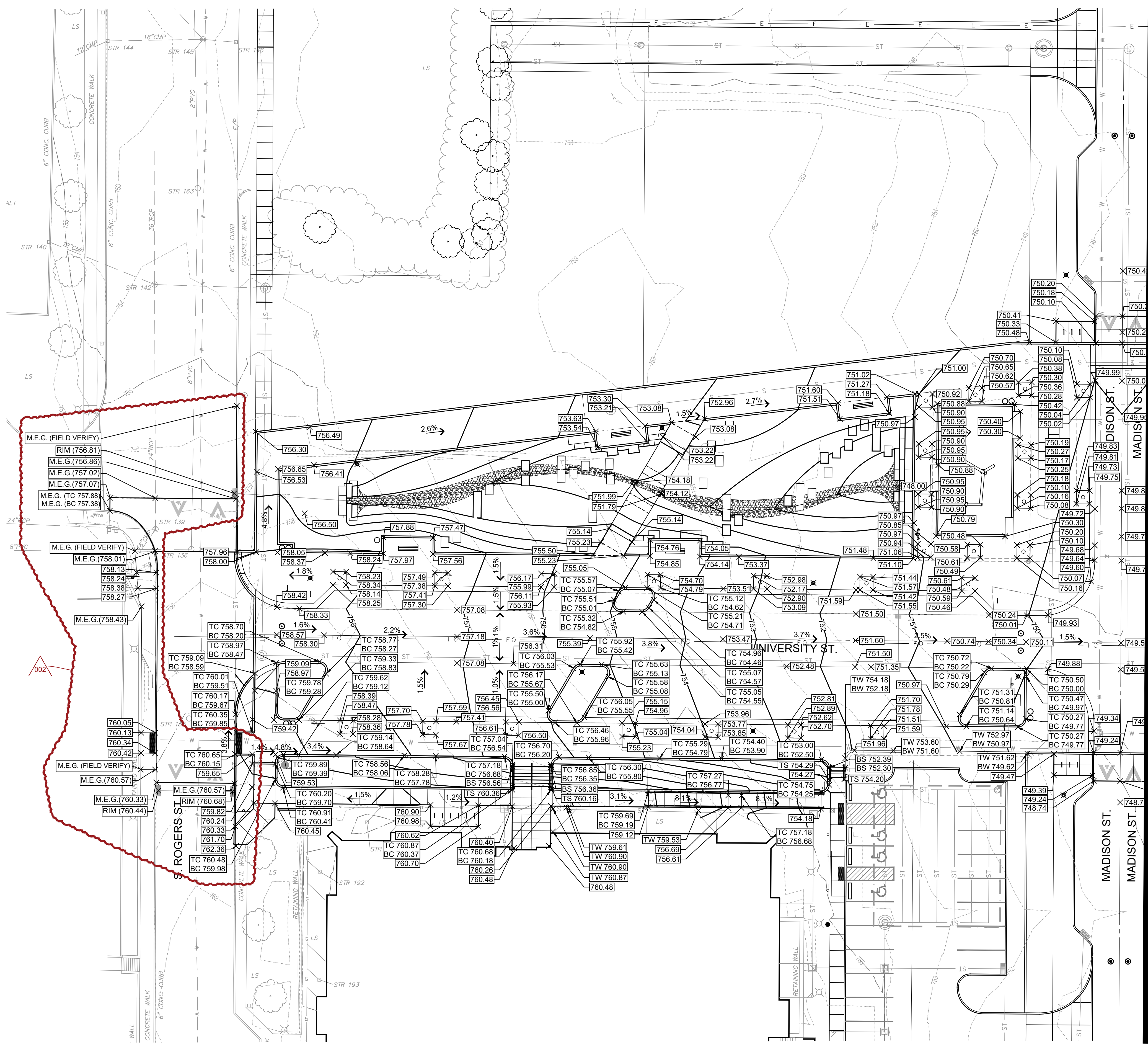
**HOPEWELL INFRASTRUCTURE & SITE ENGINEERING**  
**PHASE 1 EAST - RE-BID**  
CITY OF BLOOMINGTON, INDIANA 47403

DATE: 03/15/2023 PROJECT NO.: 21-0049  
DRAWN BY: MER CHECKED BY: MDW  
DRAWING STATUS: RE-BID  
SHEET TITLE: LANDSCAPE SCHEDULE AND DETAILS  
SHEET NO.: L201



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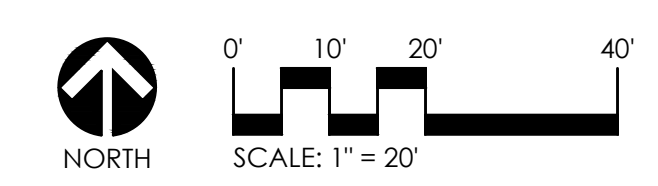


**GRADING LEGEND**

- 950.84 EXISTING CONTOUR LINE
- EXISTING SPOT ELEVATION
- VERIFY EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION (FINISH)
- 0% PROPOSED SLOPE
- TC= PROPOSED TOP OF CURB ELEVATION
- BC= PROPOSED BOTTOM OF CURB ELEVATION
- TW= PROPOSED TOP OF WALL ELEVATION
- BW= PROPOSED BOTTOM OF WALL ELEVATION
- TF= PROPOSED TOP OF FRAME ELEVATION
- TS= PROPOSED TOP OF STEP ELEVATION
- BS= PROPOSED BOTTOM OF STEP ELEVATION
- TR= PROPOSED TOP OF RAMP
- BR= PROPOSED BOTTOM OF RAMP
- FL= PROPOSED FLOW LINE ELEVATION
- HP= PROPOSED HIGH POINT ELEVATION
- LP= PROPOSED LOW POINT ELEVATION
- M.E.G. MEET EXISTING GRADE
- 944 PROPOSED CONTOUR AND GRADE

MATCHLINE 'PR-MADISON'

- GRADING GENERAL NOTES**
- SITE LAYOUT DATE, INCLUDING COORDINATE POINTS, IS BASED ON A SURVEY PERFORMED BY BYNUM, FANYO, AND ASSOCIATES. REPORT ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS TO THE OWNER AND LANDSCAPE ARCHITECT IMMEDIATELY. RUNDELL ERNSTBERGER ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE ACCURACY OF THE SURVEY INFORMATION.
  - THE CONTRACTOR SHALL REPORT IMMEDIATELY TO THE LANDSCAPE ARCHITECT ANY DISCREPANCIES BETWEEN THE EXISTING GRADES SHOWN ON THESE PLANS AND ACTUAL FIELD CONDITIONS.
  - UNLESS NOTED OTHERWISE, PROPOSED SPOT ELEVATIONS REPRESENT FINISH GRADE OF PAVEMENTS AND GROUND, IN LAWN OR PLANT BED AREAS. PROPOSED ELEVATIONS INDICATE REQUIRED ELEVATIONS AFTER SETTLING OF SOIL.
  - THE CONTRACTOR SHALL REFER TO EARTHWORK SPECIFICATIONS AND THIS SHEET FOR SUBGRADE REQUIREMENT WORK TO ACCOMMODATE AND COORDINATE TOPSOILING AND LANDSCAPE WORK.
  - CONFINE WORK WITHIN THE LIMITS SHOWN ON THESE PLANS.
  - UNLESS NOTED OTHERWISE, ALL EXISTING STORM AND SANITARY SEWER CASTINGS TO REMAIN SHALL BE ADJUSTED TO GRADE.
  - REFER TO UTILITY PLAN FOR CASTINGS AND PIPING.



REVISIONS

NO.	DATE	DESCRIPTION
002	04/28/23	ADDENDUM 2

CLIENT:

**CITY OF BLOOMINGTON**  
Bloomington, IN 47403

DESIGN TEAM

**shrewsberry**  
**REA**

**BEA** ARCHITECTURAL  
BYNUM, FANYO & ASSOCIATES, INC.  
528 North Walnut Street  
Bloomington, Indiana 47404 (317) 332-8030

CERTIFIED BY:

**CECIL A. PENLAND III**  
REGISTERED  
No. 21200004  
STATE OF INDIANA  
LANDSCAPE ARCHITECT

*Cecil A. Penland III*

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**BLOOMINGTON HOSPITAL RE-USE  
INFRASTRUCTURE & SITE ENGINEERING  
PHASE 1 EAST**

CITY OF BLOOMINGTON  
BLOOMINGTON, INDIANA 47403

DATE: 03/02/2023	PROJECT NO.: 2021-1623
DRAWN BY: PS, KK	CHECKED BY: CP
DRAWING STATUS: ISSUED FOR BID	
SHEET TITLE: SITE GRADING PLAN	
SHEET NO.: LA201	

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