



**Rantoul Village Board of Trustees
Special Board Meeting
February 18, 2025
6:00 PM**

- 1. Call to Order**
- 2. Approval of Agenda**
- 3. Public Participation**

Citizens wishing to address the Village Board with respect to any item of business listed on the agenda, or any matter not appearing on the agenda, are asked to sign up on the public participation form, and submit it to the Village Clerk prior to the meeting. Comments will be limited to three minutes for each speaker.

Section A - Consideration of Ordinances & Resolutions

- 4. Motion to Pass Resolution 02-25-1429, a Resolution Reallocating American Rescue Plan Act Funds**

Section B - Consideration of Bids, Contracts & Other Expenditures

- 5. Motion to Authorize and Approve a Contract for the Downtown Reconstruction & Streetscape Project Construction with Midwest Asphalt Company in the amount of \$5,179,573.75, plus a \$125,000.00 Contingency**
- 6. Motion to Authorize and Approve the Purchase of Materials for Downtown Plaza Water Feature from Vortex Aquatic Structures as part of the Downtown Reconstruction Project in the amount of \$82,473.70**
- 7. Motion to Authorize and Approve an Agreement for Installation of Downtown Plaza Water Feature with Team REIL Inc. as part of the Downtown Reconstruction Project in the amount of \$89,900.00**

Section C - Public Announcements

Section D - Closed Session

Section E - Adjournment

**BOARD OF TRUSTEES
VILLAGE OF RANTOUL**

AGENDA ITEM

ITEM: Public Participation	DEPARTMENT:
DATE: February 18, 2025	AMOUNT:
ATTACHMENTS:	ADMINISTRATIVE NOTES:
SUMMARY HIGHLIGHTS:	
RECOMMENDED ACTION:	
DEPARTMENT HEAD APPROVAL	VILLAGE ADMINISTRATOR

**BOARD OF TRUSTEES
VILLAGE OF RANTOUL**

AGENDA ITEM

ITEM: Motion to Pass Resolution 02-25-1429, a Resolution Reallocating American Rescue Plan Act Funds	DEPARTMENT: Community Planning & Development
DATE: February 18, 2025	AMOUNT: \$1,300,000
ATTACHMENTS: 1. 02-25-1429 Resolution - Reallocation of ARPA Funds	ADMINISTRATIVE NOTES:

SUMMARY HIGHLIGHTS:

Resolution 12-22-1378, a Resolution authorizing and appropriating American Rescue Plan Act (ARPA) funds for certain projects, was approved by the Board of Trustees on 13 December 2022. This Resolution appropriated funds for architectural and engineering studies and construction costs for the Wastewater Plant, Downtown Infrastructure, Fire Station II Improvements, and Renovation of the Youth Center.

The improvements to Fire Station II and renovations at the Youth Center have been completed, and all funds appropriated and allocated for such construction projects have been fully spent. All remaining ARPA funds must be appropriated and allocated to a specific vendor or contractor prior to the April 2025 deadline. A majority portion of the Wastewater Plant funds were utilized in the engineering and construction of Phase 1 of the total project, with the intention of using the remaining funds allotted for this project to be used in engineering and construction of Phase 2. Unfortunately, time does not allow for the Phase 2 engineering and construction bids to be opened, advertised, and awarded prior to the April deadline. The Village can either return the funds to the federal government, or reallocate them to an unfinished but already approved project. With the Board considering awarding the bids to a contractor specific for the construction of the Downtown Improvements at the February Special Board Meeting, that awarding would comply with the April deadline.

The Administration is requesting the Board of Trustees reallocate the remaining \$1.3 million to the Downtown Infrastructure Project, thereby allowing the remaining funds to be allotted to an already approved project with an award date possible prior to the pending deadline. The additional funds would also allow for the reconstruction of Tanner Street, and improvements further South on Garrard Street as indicated by those attending public hearings on the Downtown Infrastructure projects as desired outcomes.

This additional funding would also allow us to complete all alternates finishing the project as outlined at Public Hearings.

The funding necessary to complete the Wastewater Plant, Phase 2 Project will be acquired through low-interest and forgivable loans provided by the Environmental Protection Agency. By approving this Resolution, we are able to allocate and appropriate all funds provided to the Village through ARPA, complete the Downtown Infrastructure project as originally planned, and see the Wastewater Plant, Phase 2 Project completed through the use of low-interest and forgivable EPA loans. The Administration asks your approval of this Resolution.

RECOMMENDED ACTION: Approve the Reallocation of ARPA funds.

DEPARTMENT HEAD APPROVAL
Scott Eisenhauer

VILLAGE ADMINISTRATOR
Scott Eisenhauer

RESOLUTION 02-25-1429

A RESOLUTION AUTHORIZING A REALLOCATION OF AMERICAN RESCUE PLAN ACT FUNDS FOR CERTAIN PROJECTS

WHEREAS, the Village President and Board of Trustees adopted Resolution 12-22-1378 on December 12, 2022 to allocate American Rescue Plan Act (ARPA) funds to certain projects, which had been identified to pursue construction; and,

WHEREAS, APRA funds must be appropriated and allocated to specific vendors or contractors prior to the April 2025 deadline for allocating and appropriating the funds; and,

WHEREAS, the Fire Station II Renovation Project and the Youth Center Renovation Project were funded with APRA funds and have both been completed; and,

WHEREAS, ARPA funds were allocated and appropriated to Phase 1 and Phase 2 of the Wastewater Plant Project; and,

WHEREAS, Phase 2 engineering and construction bids for the Wastewater Plant Project will not be available for opening and awarding prior to the April 2025 deadline for allocating and appropriating the funds to specific vendors and contractors; and,

WHEREAS, in order to capitalize on those funds without returning them to the federal government, the funds need to be allocated and appropriated to an already approved project, which has an award date prior to the April 2025 deadline; and,

WHEREAS, the Village Board is considering approving bids for specific vendors and contractors for the Downtown Infrastructure project; and,

WHEREAS, the remaining funds which cannot be allocated to Phase 2 of the Wastewater Plant Project can be allocated and appropriated to the Downtown Infrastructure project and meet the April 2025 deadline; and,

WHEREAS, the President and Board of Trustees desire to utilize the ARPA funds rather than return them to the federal government; and,

WHEREAS, the President and Board of Trustees desire to allocate the remaining funds from the Wastewater Plant project to the Downtown Infrastructure project which would allow funding for the alternates identified within such project.

BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF RANTOUL, CHAMPAIGN COUNTY, ILLINOIS, as follows:

1. That American Rescue Plan Act funds previously allocated toward Phase 2 of the Wastewater Plant project, being \$1,300,000.00, shall be reallocated and appropriated to the Downtown Infrastructure Project.

2. The above-referenced funds shall be used for funding the alternates identified within the Downtown Infrastructure project.

This Resolution is hereby passed, the “ayes” and “nays” being called, by the concurrence of a majority of the Corporate Authorities then holding office at a meeting on the date set forth below.

PASSED this 18th day of February, 2025.

Village Clerk

APPROVED this 18th day of February, 2025.

Village President

**BOARD OF TRUSTEES
VILLAGE OF RANTOUL**

AGENDA ITEM

ITEM: Motion to Authorize and Approve a Contract for the Downtown Reconstruction & Streetscape Project Construction with Midwest Asphalt Company in the amount of \$5,179,573.75, plus a \$125,000.00 Contingency	DEPARTMENT: Community Planning & Development
DATE: February 18, 2025	AMOUNT: <u>\$5,179,573.75 Total Contract</u> \$125,000.00 - Contingency \$2,745,000.00 - DCEO Grant \$450,000.00 - Original ARPA Funds \$1,300,000.00 - Re-allocated ARPA Funds \$500,000.00 - Stormwater Fund \$400,000.00 - Local MFT Funds \$50,000.00 - T-Mobile Grant \$25,000.00 - CN / AIB Grant
ATTACHMENTS: Supporting Documentation for Downtown Streetscape Construction Contract	ADMINISTRATIVE NOTES:
SUMMARY HIGHLIGHTS: This item brings to fruition over three years of planning and design work, along with meetings and outreach to provide for the construction of the Downtown Reconstruction & Streetscaping Project. The project consists of removal of existing streets and sidewalks, and the construction of new streets, new curb and gutter, new sidewalks, lighting, storm sewers, landscaping, and the other streetscape amenities along Sangamon Avenue between the Railroad tracks and Century Boulevard; and Garrard Street between Grove Ave and the alley South of Sangamon Avenue; and Tanner Street between Champaign Avenue and Sangamon Avenue; and Kentucky Ave between Sangamon Ave and Grove Ave. Additionally, a new public plaza will be built on the vacant lot at the Northeast corner of Sangamon Avenue and Garrard Street. A portion of the final design plans which include specific placements and landscape treatments are included in your packet for reference.	

2. Phasing – The project would be constructed in phases to minimize disruptions to Downtown businesses and inconveniences to property owners and the traveling public. A map showing the phasing is included in your packet.

- Stage 1: Plaza Construction
- Stage 2: South side of Sangamon from Railroad tracks to Garrard, and West side of Garrard from Sangamon to the alley South of Sangamon
- Stage 3: South side of Sangamon from Garrard to Century Blvd, and East side of Garrard from Sangamon to the alley South of Sangamon
- Stage 4: North side of Sangamon from Railroad tracks to Garrard, and West side of Garrard from Sangamon to Grove
- Stage 5: North side of Sangamon from Garrard to Century, and East side of Garrard from Sangamon to Grove
- Stage 6: All road pavement milling and resurfacing, pavement marking, signage, landscaping installation, above ground electrical work, and placement of streetscape amenities.
- Stage 7: All of Tanner St from Champaign Ave to Sangamon Ave, and Kentucky Ave from Sangamon to Grove Ave

3. Bids – The project was advertised for bid in December, and bids were received and opened on January 30, 2025. A total of four bids were received, and the bid tabulation is included in your packet for reference. The bid was broken into a base bid and some alternates. The base bid consists of the primary focus area of the DCEO grant which included the complete reconstruction of Sangamon Ave from the Railroad tracks to Century, and Garrard St from Grove Ave South to the alley South of Sangamon Ave, and including the public plaza at the Northeast corner of Sangamon and Garrard. The low base bid received was for \$3,005,230.16 from Midwest Asphalt Company. There were also a total of 11 alternates that were made a part of the bid. An explanation of each of the alternates is included in the packet for reference.

4. Costs - The bids came in below the engineer's final cost estimates, but the bid amounts were above the initial project estimates from two years ago when we started the initial design work. Costs have increased from those initial estimates from two years ago due to a few factors.

- a. Determination that Tanner Street needed to be completely rebuilt (+\$750,000.00)
- b. General increase in material and labor costs (+\$750,000.00)
- c. Significant ADA compliance needs – to address elevation differences more excavation, concrete work, and adding handrails to the project (+\$300,000.00)

5. Awarding of Contract - After reviewing all paperwork from the bidders and their sub-contractors and checking references, Village staff in conjunction with the consulting engineer, have determined that the low bid and bidder meets all applicable requirements. Thus, we are recommending the acceptance of the low base bid received in the amount of \$3,005,230.16 as provided by Midwest Asphalt Company. We are also

recommending the acceptance of 10 of the 11 alternates. The only alternate that we are proposing not to accept is the installation of string lights in the plaza area. We feel the bids for that alternate came in much too high, and we are exploring other options for that aspect. Thus, our recommendation to the Board would be to award a contract for the base bid work and the 10 alternates in the total amount of \$5,179,573.75 to Midwest Asphalt Company. The question has been raised about awarding based on local preference, which our Village procurement policies do allow for. Because of the State grant funds involved, we must follow the State and DCEO procurement requirements, which require us to accept the lowest bid provided unless there is documented reason that disqualifies that lowest bidder. In this case the difference between the lowest bid and second lowest bid is outside the threshold set for awarding based on local preference, so it would not have applied.

6. Funding - The construction of this project would be paid for from the following:

- Remainder of DCEO Main Street Grant funds - \$2,745,000.00
- Balance of Original ARPA funds not allocated to water/sanitary sewer work: \$450,000.00
- Re-allocated ARPA funds - \$1,300,000.00
- Stormwater Drainage Fund- \$500,000.00
- Local Motor Fuel Tax Fund- \$400,000.00
- T-Mobile Grant- \$50,000.00
- Canadian National / America in Bloom Grant - \$25,000.00

Total: \$5,470,000.00, of which only \$900,000.00 (16%) are local funds. In general, the DCEO grant funds would be applied towards the base bid work, the stormwater drainage fund would pay for the storm sewer work, the Local MFT funds would be applied towards Alternate 1, which is the Tanner St reconstruction work, and the ARPA funds would cover the remainder of the work.

7. Timeline – With a contract awarded this month, construction would start in April, and the base bid work would be required to be complete by November 15, 2025. The contractor would have until June of 2026 to complete the alternate work specifically the portion involving the reconstruction of Tanner and Kentucky.

8. Other items -

- a. Contingency – A contingency of \$125,000.00 is being requested to address any unforeseen items that might arise with such a large project. If the contingency is not needed for the contracted work, which we do not anticipate any problems arising that would require its use, we would propose that the contract then be amended to provide for the repaving of the remainder of Garrard St from the alley South of Sangamon to the intersection with Congress Avenue, as had been discussed and requested during the design phase of the project, and would utilize the contingency to pay for that additional work.
- b. Construction Engineering – Public Works has committed to carrying out the majority of the construction oversight with their existing staff, but we will need to utilize a consultant for some construction engineering during the construction

work, so we will be bringing forth at a later meeting an agreement for construction engineering services, which we are estimating to cost \$150,000.00. c. Future meeting - After execution of a contract and holding of a pre-construction meeting with the contractor, we would schedule another public meeting likely at the end of March or beginning of April so that Downtown business and property owners and frankly anyone could come and speak with the contractor and staff about the work and the timeline for the work. We would also continue to provide regular updates on progress at future Board meetings.	
RECOMMENDED ACTION: Authorize the acceptance of the low bid from and awarding of a contract to Midwest Asphalt Company in the amount of \$5,179,573.75, and Authorizing a contingency of \$125,000.00 for the construction of the Downtown Streetscaping and Plaza Project.	
DEPARTMENT HEAD APPROVAL Chris Milliken	VILLAGE ADMINISTRATOR Scott Eisenhower

VILLAGE OF RANTOUL
CONTRACT

1. THIS AGREEMENT, made and concluded the 18th day of February 2025, between the Village of Rantoul (OWNER) acting by and through its Council known as the party of the first part, and Midwest Asphalt Co., his/her/their executors, administrators, successors or assigns, known as the part of the second part.
2. WITNESSETH: That for and in consideration of the payments and agreements mentioned in the BID hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring to these presents, the party of the second part agrees with said party of the first part at his/her/their own proper cost and expense to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the Plans and Specifications hereinafter described, and in full compliance with all of the terms of this agreement and the requirements of the ENGINEER under it.
3. And it is also understood and agreed that the Notice to Contractors, Special Provisions, CONTRACT Bond hereto attached, and the Plans for the **Downtown Reconstruction/Streetscaping Project** in Rantoul, Illinois, approved by the Director of Public Works on December 19, 2024, are all essential documents of this contract and a part hereof.
4. IN WITNESS WHEREOF, the said parties have executed these presents on the date above mentioned.

Attest:

The Village of Rantoul

Janet Gray

Village Clerk

By

Mayor Charles Smith

(Seal)

Midwest Asphalt Co.

By

President

Attest:

Secretary

Village of Rantoul
Downtown Reconstruction

Bidders Information:

Contractor Name: Midwest Asphalt Co.

Contractor Address: 510 W. 5th Street, Tilton, IL 61833

Contractor FEIN: 20-8745126

Contact Person:

Name: Thomas J. Ribbe

Position/Title: President

Phone #: 217-446-3350 office 217-304-2795 cell

Email Address: midwestasphalt@gmail.com



Village of Rantoul
Downtown Reconstruction

PROJECT SPECIFICATIONS

Issued for Bidding

December 18, 2024



8305 N. Allen Road
Suite 4
Peoria, IL 61615

VILLAGE OF RANTOUL CHAMPAIGN COUNTY

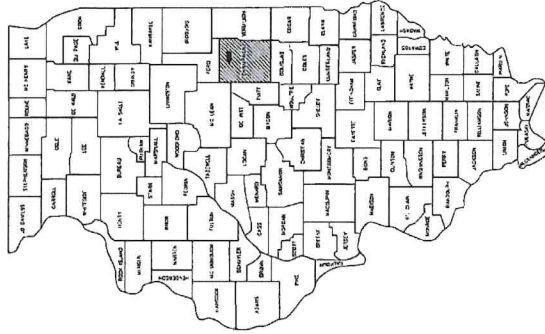
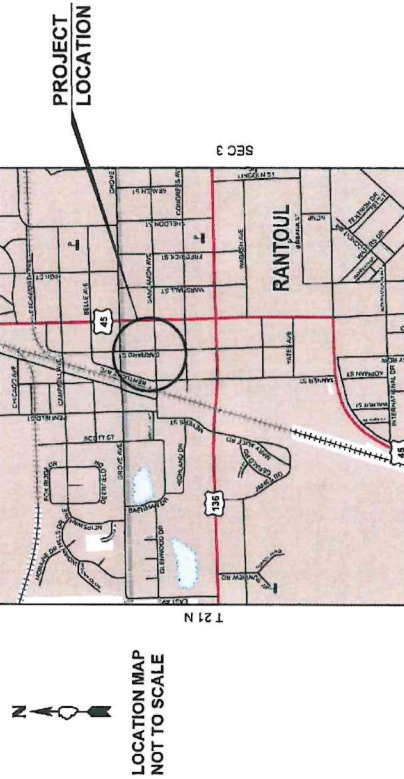
DOWNTOWN RECONSTRUCTION

SANGAMON AVE
RAILROAD TRACKS TO CENTURY BLVD
GARRARD ST
ALLEY SOUTH OF SANGAMON AVE TO E GROVE AVE
TANNER ST & N KENTUCKY AVE (ALT #1)

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, LIST OF STANDARDS & COMMITMENTS
3-7	SUMMARY OF QUANTITIES
8-12	TYPICAL SECTIONS & DETAILS
13-24	SCHEDULES OF QUANTITIES
25-28	REMOVAL & ADJUSTMENT PLANS
30-40	PLAN & PROFILES
41	STAGE CONSTRUCTION NOTES
42	GRADING PLAN (PLAZA)
43-48	DRAINAGE PLAN & PROFILES
50-53	INTERSECTION DETAILS
54-57	PAVEMENT MARKING & SIGNING PLANS
58-60	STREET SCAPE PLANS & DETAILS
81-94	STREET LIGHTING PLANS & DETAILS
95	ENTRANCE DETAILS
96-120	ADA RAMP & ENTRANCE DETAILS
121-124	MISCELLANEOUS DETAILS
125-130	DISTRICT 3 STANDARDS
131-189	CROSS SECTIONS
	IDOT HIGHWAY STANDARDS

PROPOSED IMPROVEMENT:
COMPLETE STREET RECONSTRUCTION/STREETSCAPING
INCLUDING SIDEWALKS, PLAZA
CONSTRUCTION INCLUDING ALL OTHER COLLATERAL
WORK.



PROJECT LOCATION: 



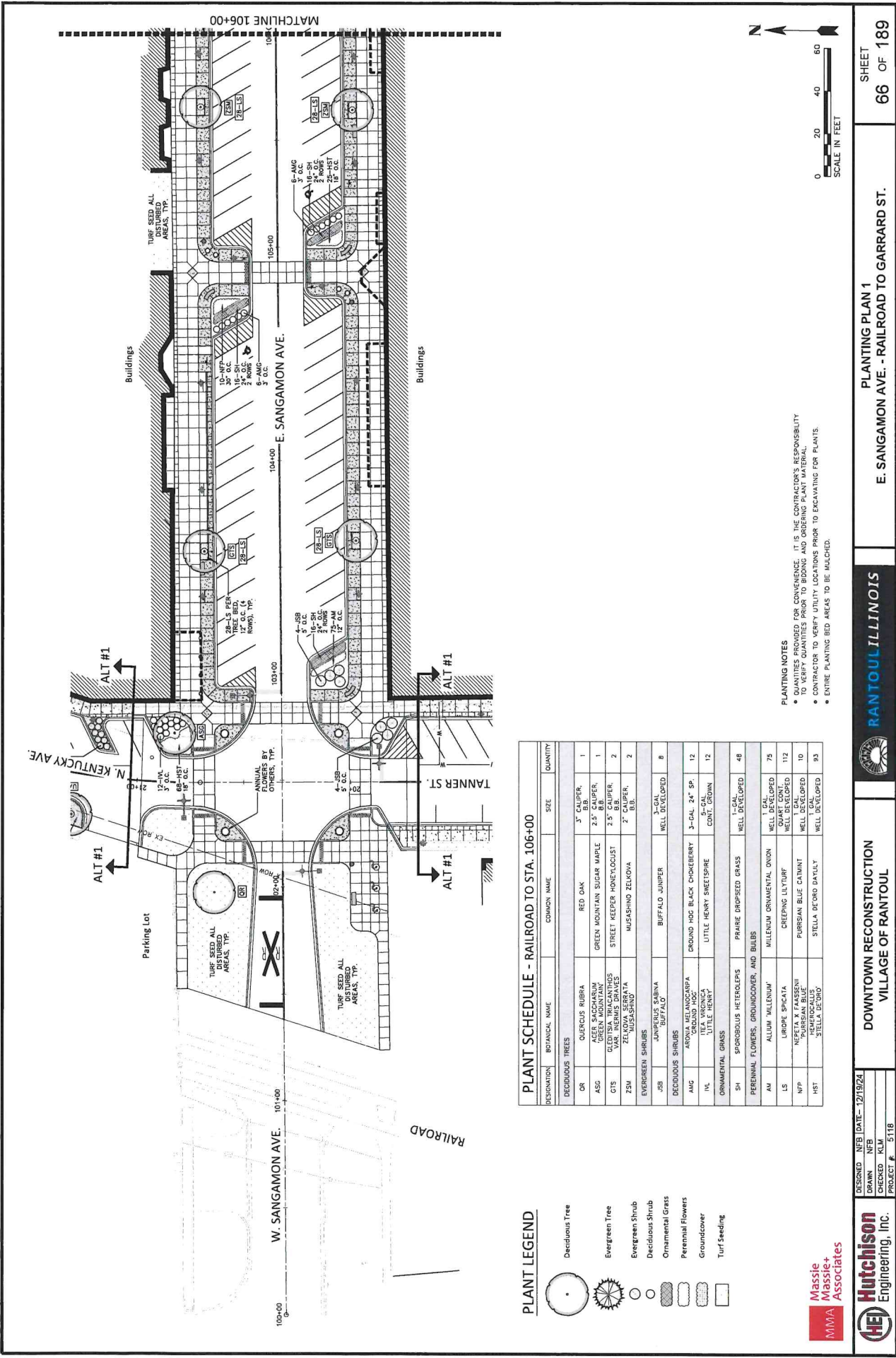
JULIE
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



PROJECT MANAGER: SHANE LARSON, P.E.
PROJECT ENGINEER: RYAN BRADLE, P.E.



APPROVED  DATE 12/19/24
LOCAL AGENCY OFFICIAL SIGNATURE



PLANT SCHEDULE - RAILROAD TO STA. 106+00				
DESIGNATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
DECIDUOUS TREES				
OR	QUERCUS RUBRA	RED OAK	5" CALIPR. B.B.	1
ASG	ALICE SAGCHARUM	GREEN MOUNTAIN SUGAR MAPLE	2.5" CALIPR.	1
QTS	QUERCUS THUNBERGII	STREET KEEPER HONEYLOCUST	2.5" CALIPR. B.B.	2
ZSM	ZELKOWA SERATA	MUSASHINO ZELKOVA	2" CALIPR. B.B.	2
EVERGREEN SHRUBS				
JBI	JAPANESE SABA	BUFFALO JUMPER	3-CAL. WELL DEVELOPED	8
DECIDUOUS SHRUBS				
AMG	ARONIA MELANOCARPA	GROUND HOG BLACK CHERRY	3-GAL. 24" SP.	12
IVL	IVY LEAF LILAC	LITTLE HENRY SWEETSPICE	CONT. GROWN	12
ORNAMENTAL GRASS				
SH	SPARGANGLUS HETEROPHYS	PRAIRIE DROPSEED GRASS	1-CAL. WELL DEVELOPED	48
PERENNIAL FLOWERS, GROUNDCOVER, AND BULBS				
AM	ALLIUM 'MILLENIUM'	MILLENIUM ORNAMENTAL ONION	1 GAL. WELL DEVELOPED	75
LS	LIRIOPE SPICATA	CREeping LILY TURF	WELL DEVELOPED	112
NFP	NEPETA X FARSENHII	PURSHAN BLUE CATNIP	1 GAL. WELL DEVELOPED	10
HST	HEMIOCALLIS 'STELLA DE'DO'	STELLA DE'DO DASYLY	1 GAL. WELL DEVELOPED	93

PLANT LEGEND

- Deciduous Tree
- Evergreen Tree
- Evergreen Shrub
- Deciduous Shrub
- Ornamental Grass
- Perennial Flowers
- Groundcover
- Turf Seeding

PLANTING NOTES

- QUANTITIES PROVIDED FOR CONVENIENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY QUANTITIES PRIOR TO BIDDING AND ORDERING PLANT MATERIAL.
- CONTRACTOR TO VERIFY UTILITY LOCATIONS PRIOR TO EXCAVATING FOR PLANTS.
- ENTIRE PLANTING BED AREAS TO BE MULCHED.

Massie
Associates

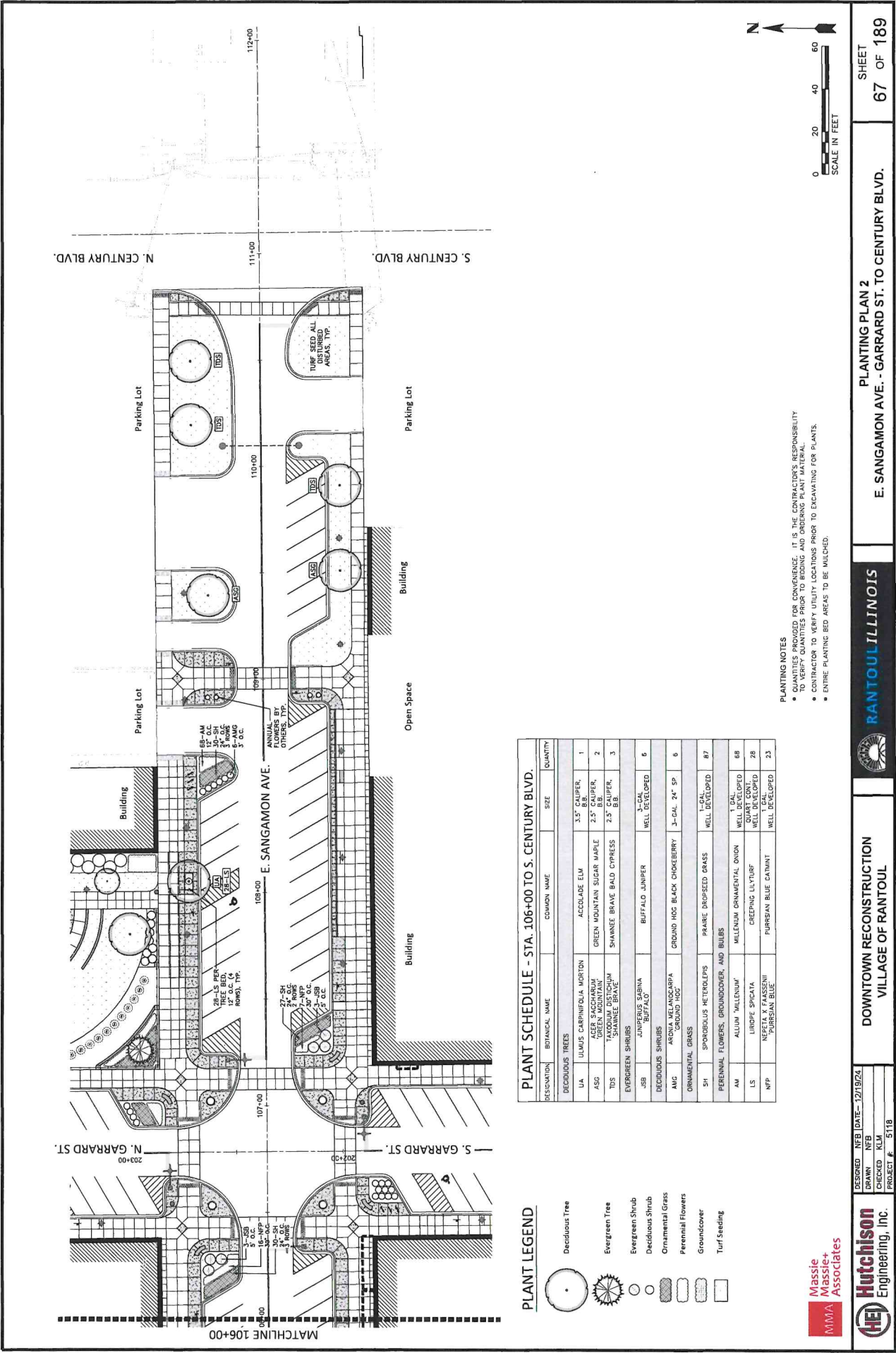
Hutchinson
Engineering, Inc.

DOWNTOWN RECONSTRUCTION
VILLAGE OF RANTOUL

RANTOUL, ILLINOIS

PLANTING PLAN 1
E. SANGAMON AVE. - RAILROAD TO GARRARD ST.

SHEET
66 OF 189



PLANT SCHEDULE - STA. 106+00 TO S. CENTURY BLVD.

DESIGNATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
DECIDUOUS TREES				
UA	ULMUS CARPINIFOLIA MORTON	ACCOLADE ELM	3.5" CALIPER, 6' B.B.	1
ASG	ACER SACCHARUM	GREEN MOUNTAIN SUGAR MAPLE	2.5" CALIPER, 6' B.B.	2
TDS	TAXODIUM DISTICHUM	SHAWNEE BRAVE BALD CYPRESS	2.5" CALIPER, 6' B.B.	3
EVERGREEN SHRUBS				
JSB	JUNIPERUS SABINA	BUFFALO JUNIPER	3"-CAL WELL DEVELOPED	6
DECIDUOUS SHRUBS				
ANG	ARNICA MELANDRARPA	GROUND HOG BLACK CHOKEBERRY	3"-CAL 34" SP	6
ORNAMENTAL GRASSES				
SH	SPERGOLUS RETROFLEXUS	PRAIRIE DROP-SEED GRASS	1 GAL WELL DEVELOPED	87
PERENNIAL FLOWERS, GROUNDCOVER, AND BUILDS				
AM	ALLIUM 'MILLENIUM'	MILLENIUM ORNAMENTAL ONION	1 GAL WELL DEVELOPED	68
LS	LIRIOPE SPICATA	CREeping LILY TURF	QUART 1 GAL WELL DEVELOPED	28
NFP	NEPETA X FAASSENII	PURSHIAN BLUE CATMINT	1 GAL WELL DEVELOPED	23

PLANT LEGEND

- Deciduous Tree
- Evergreen Tree
- Evergreen Shrub
- Deciduous Shrub
- Ornamental Grass
- Perennial Flowers
- Groundcover
- Turf Seeding

PLANTING NOTES

- QUANTITIES PROVIDED FOR CONVENIENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY QUANTITIES PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR TO VERIFY UTILITY LOCATIONS PRIOR TO EXCAVATING FOR PLANTS.
- ENTIRE PLANTING BED AREAS TO BE MULCHED.



DESIGNED NFB DATE: 12/19/24
 DRAWN NFB
 CHECKED KLM
 PROJECT # 5118

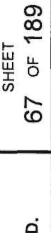
**DOWNTOWN RECONSTRUCTION
 VILLAGE OF RANTOUL**

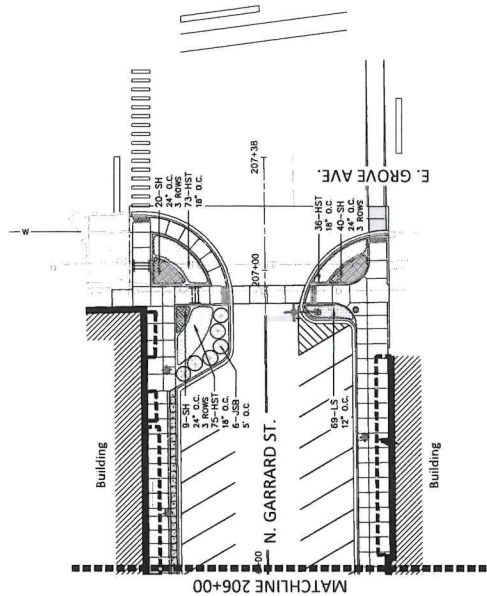
RANTOUL, ILLINOIS

E. SANGAMON AVE. - GARRARD ST. TO CENTURY BLVD.

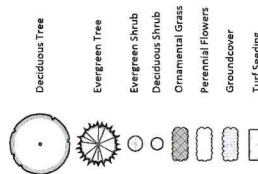
PLANTING PLAN 2

SHEET 67 OF 189



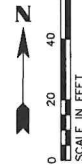


PLANT LEGEND



PLANT SCHEDULE - STA. 206+00 TO E. GROVE AVE.				
DESIGNATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
EVERGREEN SHRUBS				
JSB	JUNIPERUS SABINA "BUFFALO"	BUFFALO JUNIPER	3-GAL 24" SP	6
ORNAMENTAL GRASS				
SH	SPARGANGLIUS HETEROLEPIS	PIRAIE UNIPSESS GRASS	1-GAL WELL DEVELOPED	89
PERENNIAL FLOWERS, GROUNDCOVER, AND BULBS				
LS	LINDOPE SPICATA	CREeping LINTURB	QUART CONT. WELL DEVELOPED	69
HST	HEMEROCALLIS "STELLA DECORO"	STELLA DECORO DAYLILY	1-GAL WELL DEVELOPED	184

- PLANTING NOTES
- QUANTITIES PROVIDED FOR CONVENIENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY QUANTITIES PRIOR TO BIDDING AND ORDERING PLANT MATERIAL.
 - CONTRACTOR TO VERIFY UTILITY LOCATIONS PRIOR TO EXCAVATING FOR PLANTS.
 - ENTIRE PLANTING BED AREAS TO BE MULCHED.



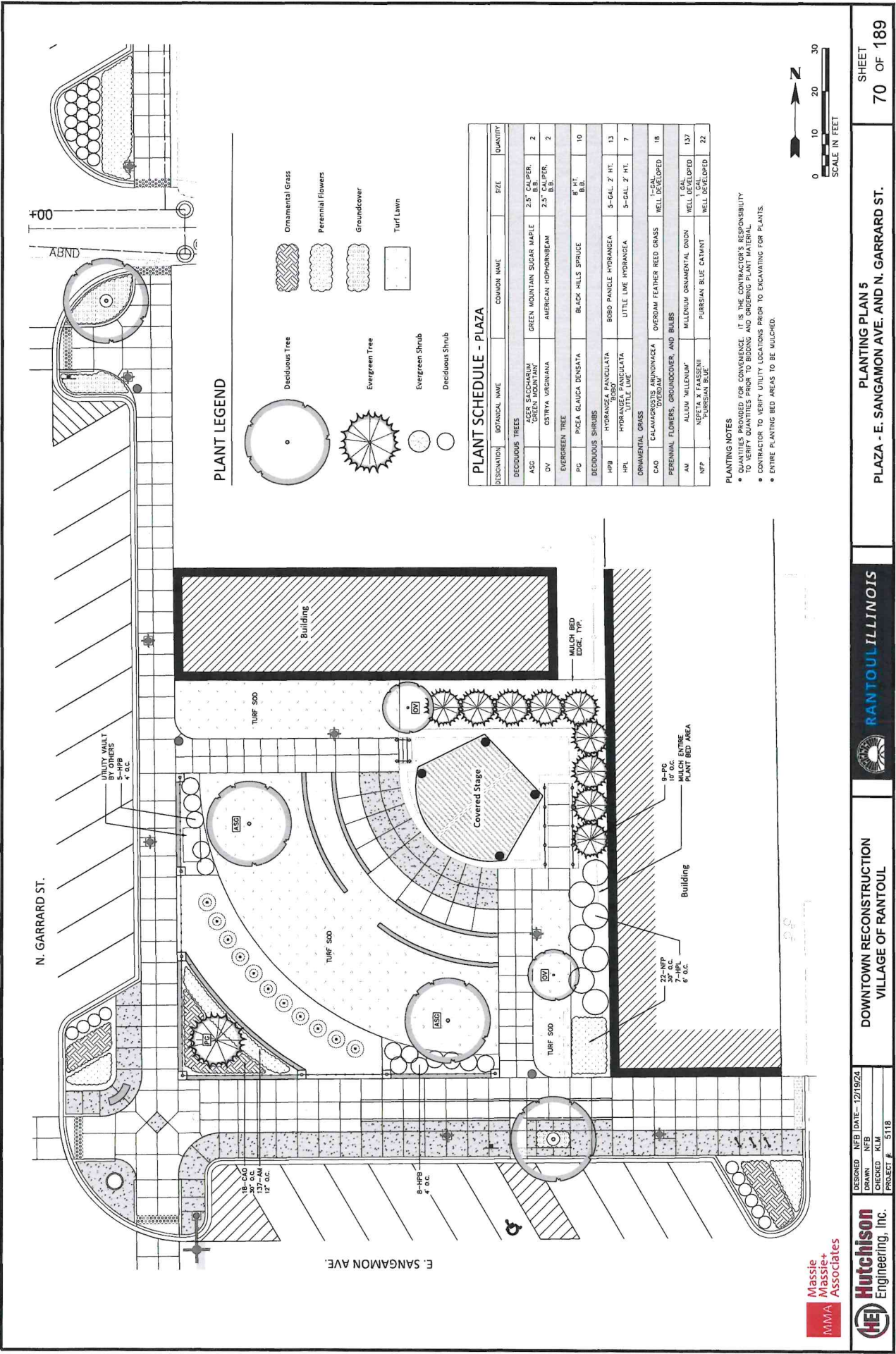
DESIGNED NFB DATE: 12/19/24
 DRAWN NFB
 CHECKED KLM
 PROJECT # 5118

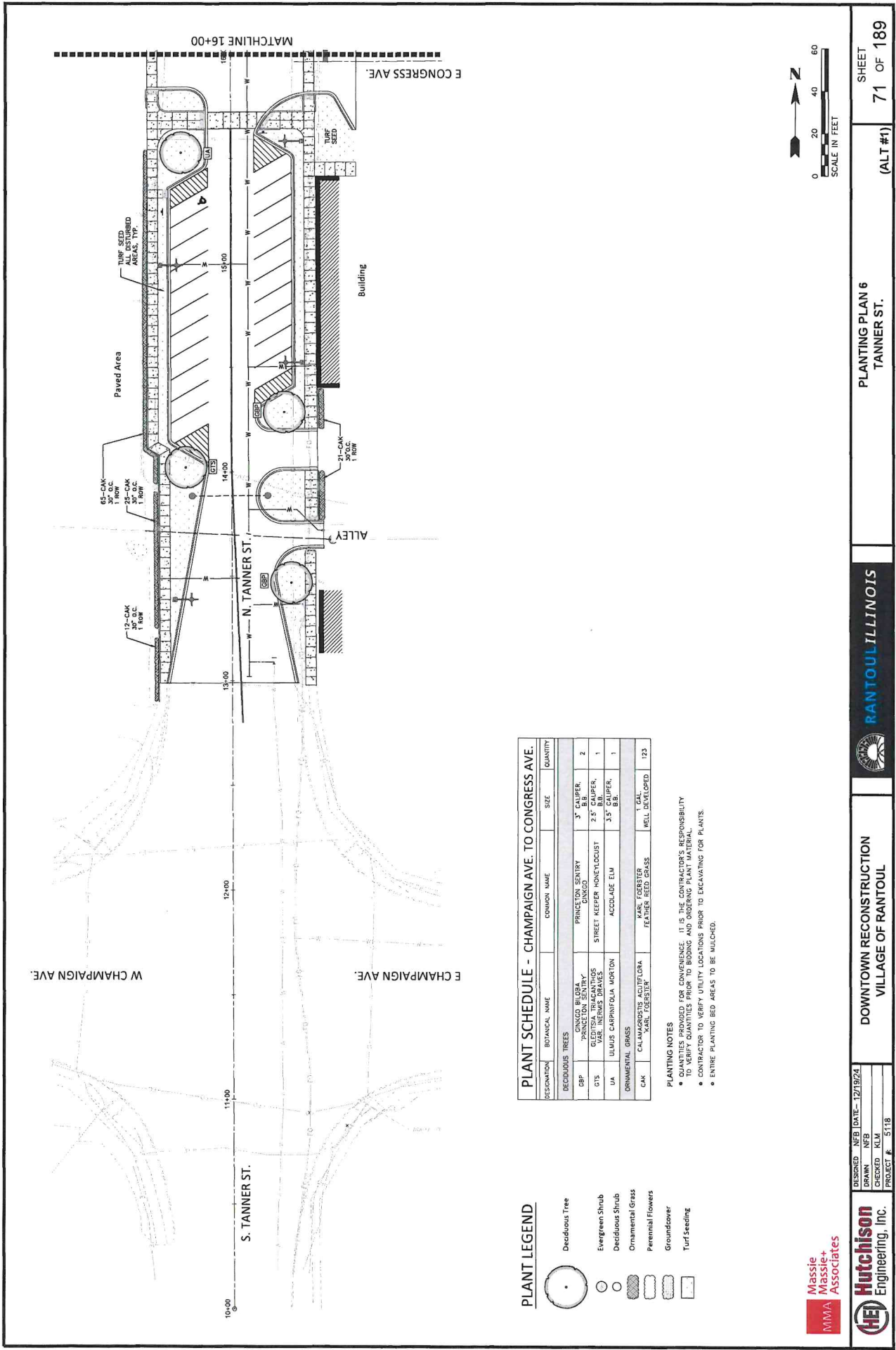
DOWNTOWN RECONSTRUCTION
 VILLAGE OF RANTOUL



PLANTING PLAN 4
 N. GARRARD ST. - ALLEY (NORTH) TO E. GROVE AVE.

SHEET
 69 OF 189





PLANT SCHEDULE - CHAMPAIGN AVE. TO CONGRESS AVE.

DESIGNATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
DECIDUOUS TREES				
GBP	CUNYCO BLOREA "PRINCE OF SENTRY"	PRINCE OF SENTRY CUNYCO	3" CALIPER, B.B.	2
GTS	OLESTIA TRICANTIGOS "KARL FOSTER"	STREET KEEPER HONEYLOCUST	2.5" CALIPER, B.B.	1
UA	ULMUS CARPINIFOLIA MORTON	ACCOLADE ELM	3.5" CALIPER, B.B.	1
ORNAMENTAL GRASS				
CAK	CALAMAGROSTIS ACUTIFLORA "KARL FOSTER"	KARL FOSTER FEATHER BED GRASS	1 GAL. WELL DEVELOPED	123

PLANT LEGEND

- Deciduous Tree
- Evergreen Shrub
- Deciduous Shrub
- Ornamental Grass
- Perennial Flowers
- Groundcover
- Turf Seeding

PLANTING NOTES

- QUANTITIES PROVIDED FOR CONVENIENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY QUANTITIES AND LOCATIONS PRIOR TO EXCAVATING FOR PLANTS.
- CONTRACTOR TO VERIFY UTILITY LOCATIONS PRIOR TO EXCAVATING FOR PLANTS.
- ENTIRE PLANTING BED AREAS TO BE MULCHED.



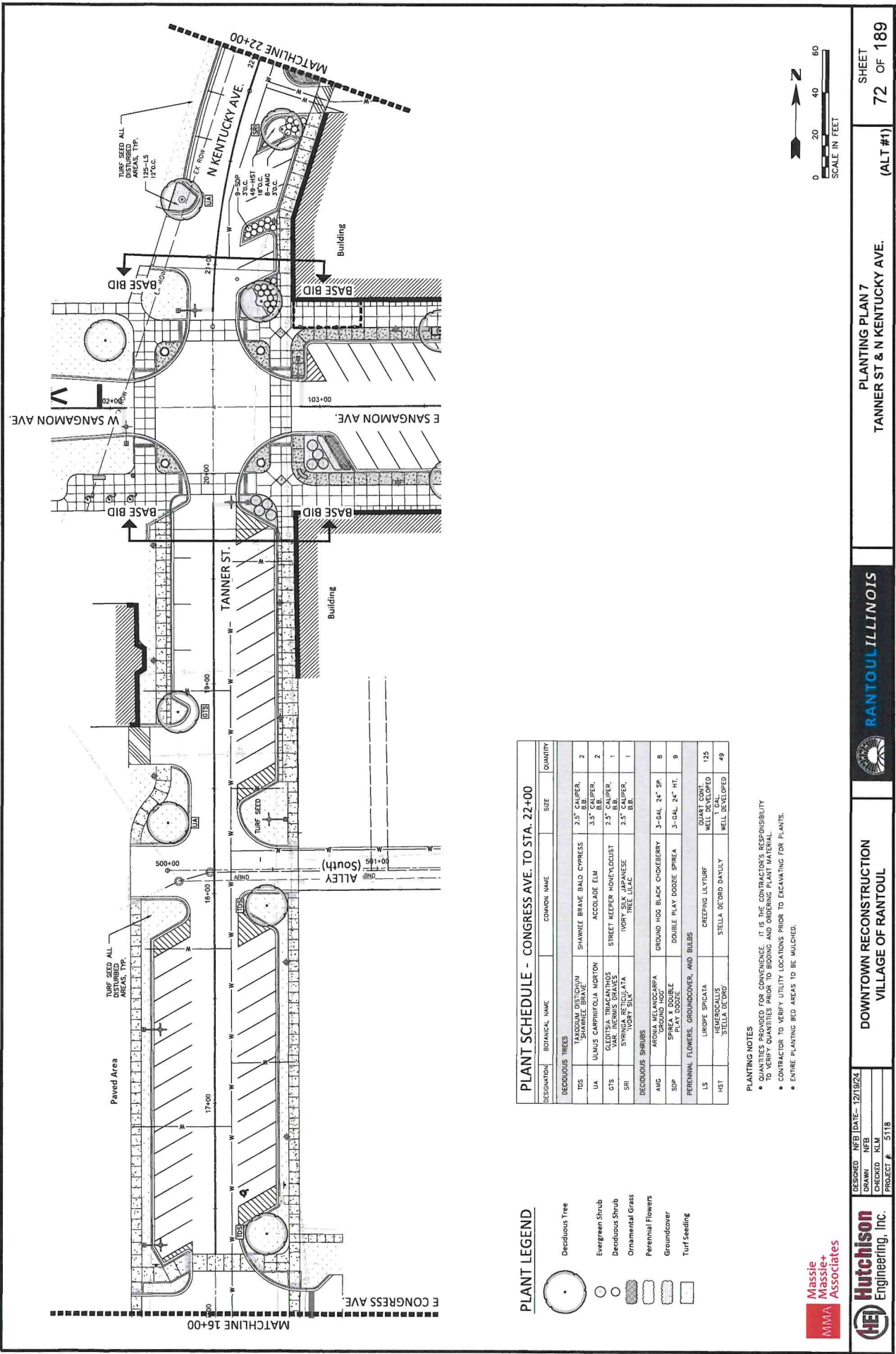
DESIGNED: NFB DATE: 12/19/24
 DRAWN: NFB
 CHECKED: KLM
 PROJECT #: 5118

DOWNTOWN RECONSTRUCTION
 VILLAGE OF RANTOUL



PLANTING PLAN 6
 TANNER ST.

SHEET
 71 OF 189
 (ALT #1)



PLANT LEGEND

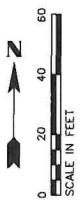
- Deciduous Tree
- Evergreen Shrub
- Deciduous Shrub
- Ornamental Grass
- Perennial Flowers
- Groundcover
- Turf Seeding

PLANT SCHEDULE - CONGRESS AVE. TO STA. 22+00

DESIGNATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
DECIDUOUS TREES				
TDS	FRAXINUS DISTICHUM "SHANNICE BRAVE"	SHANNICE BRAVE BALD CYPRESS	2.5" CALIPER, B.B.	2
UA	ULMUS CARPINIFOLIA MORTON	ACCOLADE ELM	3.5" CALIPER	2
OTS	GLEDITSIA TRIACANTHOS VAR. INERMIS DRAYES	STREET KEEPER HONEYLOCUST	2.5" CALIPER, B.B.	1
SRI	SYRINGER ALBA "NORWAY SILK"	IVORY TREE	2.5" CALIPER, B.B.	1
DECIDUOUS SHRUBS				
AVG	ARNICA MONTANA "GROUND HOG"	GROUND HOG BLACK CHERRY	3-GAL. 24" SP.	8
SOP	SPIREA X DOUBLE "DOUBLE PLAY"	DOUBLE PLAY DOODIE SPIREA	3-GAL. 24" HT.	9
PERENNIAL FLOWERS, GROUNDCOVER, AND BULBS				
LS	LIRIOPE SPICATA	CREEPING LILYTURF	QUARTY CONT. WELL DEVELOPED	125
HST	HEMEROCALLIS STELLA DE ORO	STELLA DE ORO DAYLILY	1 GAL. WELL DEVELOPED	49

PLANTING NOTES

- QUANTITIES PROVIDED FOR CONVENIENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY QUANTITIES PRIOR TO BIDDING AND ORDERING PLANT MATERIAL.
- CONTRACTOR TO VERIFY UTILITY LOCATIONS PRIOR TO EXCAVATING FOR PLANTS.
- ENTIRE PLANTING BED AREAS TO BE MULCHED.



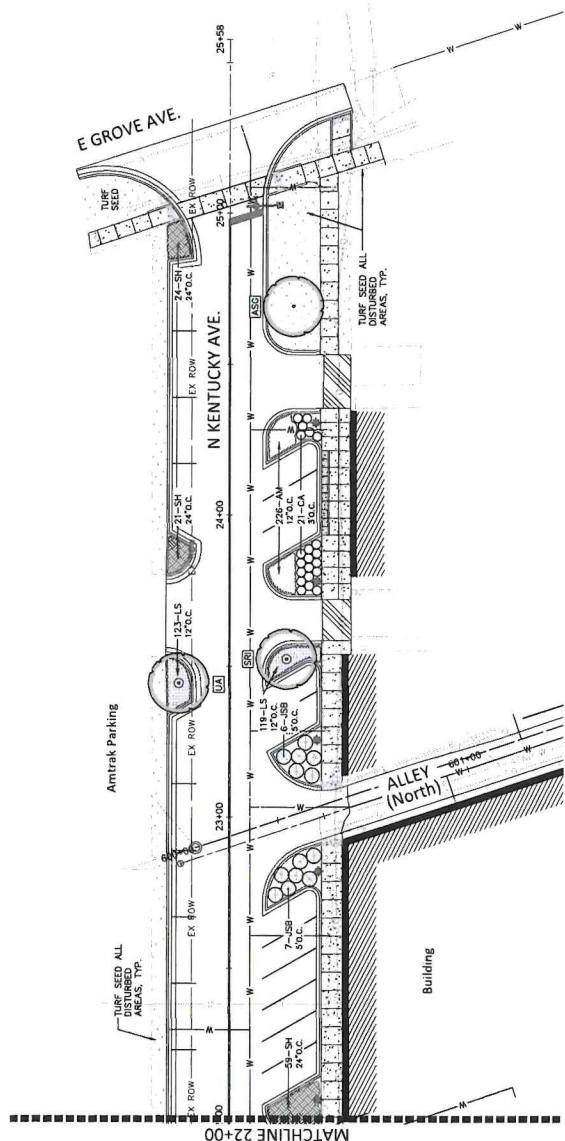
DESIGNED: NFB DATE: 12/19/24
 DRAWN: NFB
 CHECKED: KLM
 PROJECT #: 5118

DOWNTOWN RECONSTRUCTION
 VILLAGE OF RANTOUL

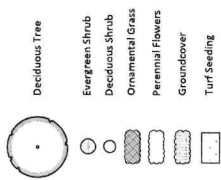


PLANTING PLAN 7
 TANNER ST & N KENTUCKY AVE.

(ALT #1)
 SHEET 72 OF 189



PLANT LEGEND

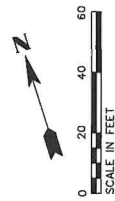


PLANT SCHEDULE - STA. 22+00 TO GROVE AVE.

DESIGNATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
DECIDUOUS TREES				
UA	ULMUS CARPINIFOLIA MORTON	ACCOLADE ELM	3.5" CALIPER, B.B.	1
SRI	STRONGIA RETICULATA	IVORY SILK JAPANESE TREE LILAC	2.5" CALIPER, B.B.	1
ASC	ALER SACHARUM 'GREEN MOUNTAIN'	GREEN MOUNTAIN SUGAR MAPLE	2.5" CALIPER, B.B.	1
EVERGREEN SHRUBS				
JSB	JANNEUS SABINA 'BUFFALO'	BUFFALO JUMPER	3-DAL 24" SP.	13
DECIDUOUS SHRUBS				
CA	CEANOTHUS AMERICANUS	NEW JERSEY TEA	1" CALIPER, CONT. GROWN	21
ORNAMENTAL GRASSES				
SH	SPERGOLUS HETEROPHUS	PRAIRIE DROPSEED GRASS	1" CALIPER, WELL DEVELOPED	104
PERENNIAL FLOWERS, GROUNDCOVER, AND BULBS				
LS	LIRIOPE SPICATA	CREEPING LILY TURF	QUART CONT. WELL DEVELOPED	242
AM	ALLIUM 'MILLENIUM'	MILLENIUM ORNAMENTAL ONION	WELL DEVELOPED	226

PLANTING NOTES

- QUANTITIES PROVIDED FOR CONVENIENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY QUANTITIES PRIOR TO BIDDING AND ORDERING PLANT MATERIAL.
- CONTRACTOR TO VERIFY UTILITY LOCATIONS PRIOR TO EXCAVATING FOR PLANTS.
- ENTIRE PLANTING BID AREAS TO BE MULCHED.



Massie
Massie+
Associates

Hutchinson
Engineering, Inc.

DESIGNED NFB DATE: 12/19/24
DRAWN NFB
CHECKED KLM
PROJECT # 5118

DOWNTOWN RECONSTRUCTION
VILLAGE OF RANTOUL

RANTOUL, ILLINOIS

PLANTING PLAN 8
N KENTUCKY AVE.

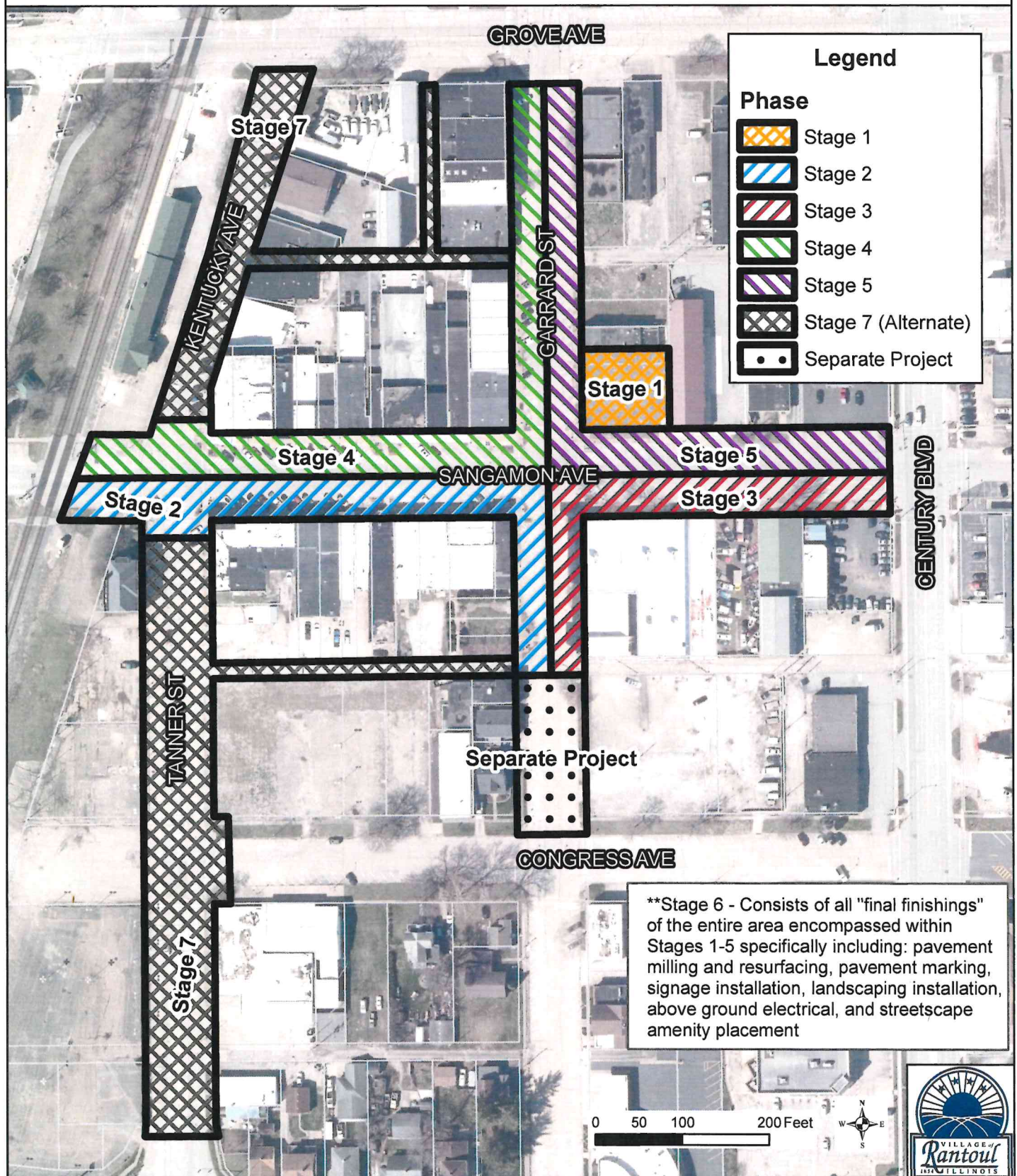
(ALT #1)
SHEET
73 OF 189

Village of Rantoul

Downtown Streetscape Project

Construction Phasing

Map Created: 12/20/2024



within 14 calendar days of the alleged delay. If the Contractor fails to submit the alleged delay within 14 calendar days, the Village of Rantoul will not consider extending the completion dates.

ALTERNATE BIDS

The contract documents include a base bid and alternate bids. The alternate bids are as follows:

1. Alternate #1 – Tanner St. & Kentucky Ave. Reconstruction/Streetscape & Alley Resurfacing– All items identified in the plans to reconstruct/streetscape Tanner St. and Kentucky Ave. and to resurface the two alleys between Tanner St./Kentucky Ave. and Garrard St.
2. Alternate #2 – Gateway Structure - The unit price for Alternate #2 shall be the cost per each to construct the overhead sign on Sangamon St. in accordance with details included in the plans and as described in these specifications.
3. Alternate #3 – Type S4 Lighting Unit Complete - The unit price for Alternate #3 shall be the cost per each to provide and install the plaza string light poles in accordance with details included in the plans and as described in these specifications.
4. Alternate #4 – Stage Canopy - The unit price for Alternate #4 shall be the cost per lump sum to provide and install the plaza stage canopy system in accordance with details included in the plans and as described in these specifications.
5. Alternate #5 - Gateway Structure - The unit price for Alternate #5 shall be the cost per each to construct the overhead sign on Tanner St. in accordance with details included in the plans and as described in these specifications.
6. Alternate #6 – Type S3 Lighting Unit Complete - The unit price for Alternate #6 shall be the cost per Lump Sum to provide and install the plaza string lights in accordance with details included in the plans and as described in these specifications.
7. Alternate #7 – Trash Receptacles - The unit price for Alternate #7 shall be the cost per each to provide and install trash receptacles in accordance with details included in the plans and as described in these specifications.
8. Alternate #8 - Bicycle Racks - The unit price for Alternate #8 shall be the cost per each to provide and install bicycle racks in accordance with details included in the plans and as described in these specifications.
9. Alternate #9 – Plaza Seat Wall - The unit price for Alternate #9 shall be the cost per foot to construct the plaza seal wall in accordance with details included in the plans and as described in these specifications.
10. Alternate #10 – Planter – 28” Diameter - The unit price for Alternate #10 shall be the cost per each to provide and install planters in accordance with details included in the plans and as described in these specifications.
11. Alternate #11 – Planter – 48” Diameter - The unit price for Alternate #11 shall be the cost per each to provide and install planters in accordance with details included in the plans and as described in these specifications.

Downtown Reconstruction - Base Bid - Bid Tab

Date: January 30, 2025
Time: 10:00 AM
Location: Rantoul Village Hall

Base Bid Total =		Engineer's Estimate		Midwest Asphalt Co.		Mid- Illinois Conc & Exc		SNC Construction		Stark Excavating, Inc	
Alternate #1 Total =	\$4,254,679.50	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
Alternate #2 Total =	\$2,346,960.00	\$1,275.00	\$16,500.00	\$1,275.00	\$16,500.00	\$1,275.00	\$16,500.00	\$1,275.00	\$16,500.00	\$1,275.00	\$16,500.00
Alternate #3 Total =	\$150,000.00	\$150.00	\$15,000.00	\$150.00	\$15,000.00	\$150.00	\$15,000.00	\$150.00	\$15,000.00	\$150.00	\$15,000.00
Alternate #4 Total =	\$114,450.00	\$114.45	\$11,445.00	\$114.45	\$11,445.00	\$114.45	\$11,445.00	\$114.45	\$11,445.00	\$114.45	\$11,445.00
Alternate #5 Total =	\$125,000.00	\$125.00	\$12,500.00	\$125.00	\$12,500.00	\$125.00	\$12,500.00	\$125.00	\$12,500.00	\$125.00	\$12,500.00
Alternate #6 Total =	\$35,000.00	\$35.00	\$3,500.00	\$35.00	\$3,500.00	\$35.00	\$3,500.00	\$35.00	\$3,500.00	\$35.00	\$3,500.00
Alternate #7 Total =	\$27,500.00	\$27.50	\$2,750.00	\$27.50	\$2,750.00	\$27.50	\$2,750.00	\$27.50	\$2,750.00	\$27.50	\$2,750.00
Alternate #8 Total =	\$5,700.00	\$5.70	\$570.00	\$5.70	\$570.00	\$5.70	\$570.00	\$5.70	\$570.00	\$5.70	\$570.00
Alternate #9 Total =	\$184,500.00	\$184.50	\$18,450.00	\$184.50	\$18,450.00	\$184.50	\$18,450.00	\$184.50	\$18,450.00	\$184.50	\$18,450.00
Alternate #10 Total =	\$14,000.00	\$14.00	\$1,400.00	\$14.00	\$1,400.00	\$14.00	\$1,400.00	\$14.00	\$1,400.00	\$14.00	\$1,400.00
Alternate #11 Total =	\$30,800.00	\$30.80	\$3,080.00	\$30.80	\$3,080.00	\$30.80	\$3,080.00	\$30.80	\$3,080.00	\$30.80	\$3,080.00
Total Bid =	\$7,407,089.50										

BASE BID

Engineer's Estimate				MIDWEST ASPHALT CO.				MID-ILLINOIS CONC & EXC.				SNC CONSTRUCTION				STARK EXCAVATING, INC.			
Code Number	Item	Unit of Measure	Quantity	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost				
20100110	TREE REMOVAL (6 TO 15 INITS DIAMETER)	UNIT	15	\$95.00	\$1,275.00	\$1,31.60	\$92.50	\$1,387.50	\$1,387.50	\$80.50	\$1,207.50	\$43.00	\$645.00						
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	132	\$125.00	\$16,500.00	\$12,802.68	\$75.50	\$9,966.00	\$103.50	\$13,662.00	\$75.00	\$9,900.00							
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	102	\$3.00	\$306.00	\$918.00	\$6.00	\$612.00	\$16.08	\$1,640.16	\$16.08	\$1,63.60							
28000500	INLET & PIPE PROTECTION	EACH	37	\$250.00	\$9,250.00	\$8,174.41	\$250.00	\$9,250.00	\$165.46	\$6,862.02	\$310.00	\$11,470.00							
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SG YD	183	\$20.00	\$3,660.00	\$2,926.17	\$14.00	\$2,592.00	\$15.62	\$2,895.46	\$36.00	\$6,588.00							
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SG YD	102	\$30.00	\$3,060.00	\$1,507.56	\$19.00	\$1,938.00	\$27.60	\$2,815.20	\$36.00	\$3,672.00							
35300100	PORTLAND CEMENT CONCRETE BASE COURSE 6"	SG YD	183	\$76.00	\$13,728.00	\$3,874.11	\$85.00	\$15,555.00	\$140.01	\$25,621.83	\$120.00	\$21,960.00							
35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SG YD	641	\$100.00	\$64,100.00	\$22,469.10	\$100.00	\$64,100.00	\$135.84	\$87,073.44	\$280.00	\$179,480.00							
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	250	\$55.00	\$13,750.00	\$12,125.00	\$48.00	\$12,000.00	\$56.19	\$14,047.50	\$100.00	\$25,000.00							
40600280	BITUMINOUS MATERIALS (TACK COAT)	POUND	2133	\$1.00	\$2,133.00	\$6,889.59	\$3.50	\$7,465.50	\$3.45	\$7,354.85	\$3.20	\$6,825.60							
40600450	HOT-MIX ASPHALT SURFACE COURSE 1L-9.5, MIX "C", N50	TON	1168	\$185.00	\$215,780.00	\$314,155.38	\$290.00	\$338,140.00	\$292.15	\$340,646.90	\$270.00	\$314,820.00							
420000201	PORTLAND CEMENT CONCRETE PAVEMENT 7" (JOINTED)	SG YD	112	\$125.00	\$14,000.00	\$14,483.84	\$108.00	\$12,096.00	\$154.63	\$17,318.36	\$140.00	\$15,680.00							
424000100	PORTLAND CEMENT CONCRETE SIDEWALK 10 INCH	SG FT	31813	\$12.50	\$397,662.50	\$262,138.12	\$10.50	\$334,036.50	\$10.81	\$343,898.53	\$17.00	\$540,821.00							
424000435	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SG FT	3131	\$22.00	\$68,882.00	\$33,908.73	\$12.50	\$39,137.50	\$19.71	\$61,712.01	\$18.00	\$56,358.00							
42400800	DETECTABLE WARNINGS	SG FT	669	\$50.00	\$33,450.00	\$4,968.63	\$30.00	\$20,070.00	\$52.77	\$35,303.13	\$35.00	\$23,415.00							
44000100	PAVEMENT REMOVAL	SG YD	3577	\$17.50	\$62,597.50	\$112,747.04	\$20.00	\$71,540.00	\$40.80	\$145,941.60	\$29.00	\$103,733.00							
44000200	DRIVEWAY PAVEMENT REMOVAL	SG YD	381	\$40.00	\$15,240.00	\$12,009.12	\$35.00	\$13,325.00	\$31.08	\$11,841.48	\$17.00	\$6,477.00							
44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	2952	\$12.00	\$35,424.00	\$28,466.80	\$16.00	\$47,232.00	\$11.17	\$32,973.84	\$13.00	\$38,376.00							
44000600	SIDEWALK REMOVAL	SG FT	33509	\$2.50	\$83,772.50	\$3.18	\$106,558.62	\$3.00	\$100,527.00	\$3.86	\$128,344.74	\$2.40	\$80,421.60						
44201353	CLASS C PATCHES, TYPE IV, 10 INCH	SG YD	207	\$200.00	\$41,400.00	\$19,072.98	\$190.00	\$39,330.00	\$145.00	\$29,810.07	\$280.00	\$57,960.00							
50000350	STORM SEWERS, CLASS B, TYPE 1, 12"	FOOT	2142	\$150.00	\$321,300.00	\$195,071.94	\$125.00	\$268,292.50	\$128.72	\$275,694.00	\$170.00	\$364,140.00							
50000360	STORM SEWERS, CLASS B, TYPE 2, 12"	FOOT	320	\$150.00	\$48,000.00	\$19,138.20	\$85.00	\$27,200.00	\$80.29	\$25,654.00	\$90.00	\$28,800.00							
50000340	STORM SEWERS, CLASS B, TYPE 2, 12"	FOOT	700	\$150.00	\$105,000.00	\$41,867.00	\$65.00	\$45,500.00	\$142.93	\$100,051.00	\$180.00	\$126,000.00							
50080410	STORM SEWERS, CLASS B, TYPE 2, 24"	FOOT	286	\$200.00	\$57,200.00	\$20,028.32	\$95.00	\$22,420.00	\$241.09	\$68,897.24	\$360.00	\$84,960.00							
55100300	STORM SEWER REMOVAL 8"	FOOT	95	\$50.00	\$2,750.00	\$1,778.15	\$40.00	\$2,200.00	\$72.96	\$3,245.80	\$59.00	\$3,245.00							
55100400	STORM SEWER REMOVAL 10"	FOOT	21	\$60.00	\$1,260.00	\$724.29	\$60.00	\$1,260.00	\$106.65	\$2,239.65	\$82.00	\$1,722.00							
55100500	STORM SEWER REMOVAL 12"	FOOT	29	\$70.00	\$2,030.00	\$1,083.88	\$50.00	\$1,450.00	\$95.16	\$2,759.64	\$59.00	\$1,711.00							
60100905	PIPE DRAINS 4"	FOOT	137	\$45.00	\$6,165.00	\$5,906.07	\$45.00	\$6,195.00	\$91.80	\$12,576.60	\$41.00	\$5,617.00							
60100915	PIPE DRAINS 6"	FOOT	30	\$50.00	\$1,500.00	\$959.30	\$45.00	\$1,350.00	\$145.95	\$4,378.50	\$52.00	\$1,560.00							
60201850	MANHOLES, TYPE A, 4" DIAMETER, TYPE 3 FRAME	EACH	2	\$5,500.00	\$11,000.00	\$4,849.65	\$3,720.00	\$7,440.00	\$6,638.04	\$13,276.08	\$5,800.00	\$11,600.00							
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	14	\$1,750.00	\$24,500.00	\$43,377.46	\$1,980.00	\$27,720.00	\$3,108.03	\$43,512.42	\$2,800.00	\$39,200.00							
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	14	\$2,000.00	\$28,000.00	\$58,088.10	\$2,760.00	\$38,640.00	\$3,801.48	\$53,220.72	\$3,900.00	\$54,600.00							
60255500	MANHOLES TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	12	\$1,250.00	\$15,000.00	\$12,079.80	\$230.00	\$2,760.00	\$1,827.50	\$21,930.00	\$850.00	\$10,200.00							
60255900	MANHOLES TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	8	\$2,500.00	\$20,000.00	\$2,694.25	\$1,120.00	\$1,280.00	\$1,827.50	\$17,915.00	\$1,600.00	\$12,000.00							
60500040	REMOVING MANHOLES	EACH	1	\$2,500.00	\$2,500.00	\$17,200.08	\$810.00	\$6,480.00	\$1,174.45	\$9,395.60	\$1,500.00	\$12,000.00							
60500080	REMOVING INLETS	EACH	10	\$1,000.00	\$10,000.00	\$1,056.15	\$810.00	\$8,100.00	\$1,169.95	\$11,699.50	\$760.00	\$7,600.00							
60603000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 12	FOOT	1451	\$70.00	\$101,570.00	\$72,709.61	\$53.00	\$76,903.00	\$54.13	\$78,542.63	\$86.00	\$124,786.00							
60603600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4, 12	FOOT	2442	\$70.00	\$170,940.00	\$49.04	\$50.00	\$122,100.00	\$55.57	\$135,701.94	\$85.00	\$207,570.00							
60605520	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4, 12	FOOT	1	\$150,000.00	\$150,000.00	\$37,719.50	\$60,000.00	\$21,666.46	\$21,666.46	\$158,189.00	\$158,189.00	\$207,570.00							
72000100	MOBILIZATION	L SQ FT	1	\$71,000.00	\$71,000.00	\$37,719.50	\$60,000.00	\$21,666.46	\$21,666.46	\$158,189.00	\$158,189.00	\$207,570.00							
72000100	SIGN PANEL - TYPE 1	SG FT	222	\$35.00	\$7,770.00	\$34,691.94	\$33.00	\$7,326.00	\$24.01	\$5,330.22	\$49.00	\$10,876.00							
72800100	TELESOPING STEEL SIGN SUPPORT	FOOT	243	\$35.00	\$8,505.00	\$9,950.65	\$26.00	\$6,318.00	\$22.94	\$5,574.42	\$35.00	\$8,505.00							
78009000	MODIFIED URETHANE PAINT MARKING - LETTERS AND SYMBOLS	SG FT	96	\$20.00	\$1,920.00	\$1,339.02	\$16.00	\$1,536.00	\$11.62	\$1,429.32	\$8.00	\$688.00							

78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	7817	\$5.00	\$39,085.00	\$5.18	\$40,492.06	\$5.50	\$42,993.50	\$5.53	\$43,228.01	\$1.30	\$10,162.10
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	839	\$8.00	\$6,712.00	\$7.78	\$6,527.42	\$8.50	\$7,131.50	\$8.30	\$6,963.70	\$2.00	\$1,678.00
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	116	\$20.00	\$2,320.00	\$21.25	\$3,625.00	\$33.50	\$3,886.00	\$33.35	\$3,668.60	\$8.00	\$928.00
78300202	UNDERGROUND CONDUIT - WATER BLASTING	SO FT	50	\$25.00	\$1,250.00	\$17.81	\$3,502.50	\$75.00	\$3,750.00	\$74.75	\$3,737.50	\$140.00	\$7,000.00
81028340	PERMANENT MARKING - 1 1/2" DIAMETER	FOOT	4565	\$45.00	\$205,425.00	\$70.85	\$1,302.65	\$20.50	\$93,582.50	\$17.25	\$78,746.25	\$19.00	\$86,735.00
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	54	\$225.00	\$12,150.00	\$204.76	\$1,057.04	\$7.00	\$7,020.00	\$7.26	\$14,904.00	\$54.00	\$3,456.00
84200804	REMOVAL OF POLE FOUNDATION	EACH	56	\$1,250.00	\$70,000.00	\$13,578.88	\$242.48	\$235.00	\$13,160.00	\$790.64	\$44,275.84	\$1,000.00	\$56,000.00
89502380	REMOVE EXISTING HANDHOLE	EACH	11	\$750.00	\$8,250.00	\$215.54	\$2,370.94	\$75.00	\$825.00	\$287.50	\$3,162.50	\$210.00	\$2,310.00
A2001820	TREE, ACER SACCHARUM GREEN MOUNTAIN (GREEN MOUNTAIN SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5	\$1,750.00	\$8,750.00	\$1,521.71	\$7,608.55	\$820.00	\$4,100.00	\$1,623.80	\$8,119.00	\$760.00	\$3,800.00
A2004617	TREE, GLEDITSIA TRIACANTHOS VAR. INERMIS DRAVES (STREET KEEPER HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	\$1,750.00	\$5,250.00	\$1,493.69	\$4,481.07	\$820.00	\$2,460.00	\$1,593.30	\$4,781.70	\$760.00	\$2,280.00
A2005020	TREE, Ostrya virginiana (AMERICAN HOPHORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	\$1,750.00	\$3,500.00	\$1,648.88	\$3,267.76	\$820.00	\$1,640.00	\$1,759.50	\$3,519.00	\$760.00	\$1,520.00
A2007122	TREE, QUERCUS RUBRA (RED OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	1	\$1,750.00	\$1,750.00	\$1,584.22	\$1,584.22	\$885.00	\$885.00	\$1,680.50	\$1,680.50	\$810.00	\$910.00
A2007720	TREE, TAXODIUM DISTICHUM SHAWNEE BRAVE (SHAWNEE BRAVE BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	\$1,750.00	\$5,250.00	\$1,493.69	\$4,481.07	\$785.00	\$2,355.00	\$1,593.30	\$4,781.70	\$720.00	\$2,160.00
A2018722	TREE, ULMUS CARPINIFOLIA MORTON, (ACCOLADE ELM), 3-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	\$1,750.00	\$5,250.00	\$1,543.27	\$4,629.81	\$925.00	\$2,775.00	\$1,646.80	\$4,940.40	\$850.00	\$2,550.00
A3005208	TREE, ZELKOVA SERRATA MUSASHINO (MUSASHINO ZELKOVA), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2	\$1,750.00	\$3,500.00	\$1,479.68	\$2,959.36	\$785.00	\$1,570.00	\$1,578.95	\$3,157.90	\$720.00	\$1,440.00
B2006320	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	1	\$1,750.00	\$1,750.00	\$1,514.17	\$1,514.17	\$690.00	\$690.00	\$1,615.75	\$1,615.75	\$640.00	\$640.00
C2001120	SHRUB, CEANOTHUS AMERICANUS (NEW JERSEY TEA), CONTAINER GROWN, 3-GALLON	EACH	54	\$195.00	\$7,290.00	\$125.01	\$6,750.54	\$110.00	\$5,940.00	\$133.40	\$7,203.60	\$100.00	\$5,400.00
C2003620	HYDRANGEA PANICULATA LITTLE LIME (LITTLE LIME HYDRANGEA) 2' HEIGHT, CONTAINER GROWN	EACH	7	\$135.00	\$945.00	\$125.01	\$875.07	\$110.00	\$770.00	\$133.40	\$933.80	\$100.00	\$700.00
C2004165	SHRUB, TEA VIRGINICA LITTLE HENRY (LITTLE HENRY VIRGINIA SWEETSPICE), CONTAINER GROWN, 5-GALLON	EACH	12	\$135.00	\$1,620.00	\$125.01	\$1,500.12	\$110.00	\$1,320.00	\$133.40	\$1,600.80	\$100.00	\$1,200.00
D2001403	EVERGREEN, JUNIPERUS SABINA BUFFALO (BUFFALO JUNIPER), 3-GALLON, WELL-DEVELOPED	EACH	20	\$175.00	\$3,500.00	\$125.01	\$2,500.20	\$110.00	\$2,200.00	\$133.40	\$2,668.00	\$100.00	\$2,000.00
D2001988	EVERGREEN, PICEA GLAUCA DENSAITA (BLACK HILLS SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	10	\$1,750.00	\$17,500.00	\$1,807.30	\$18,073.00	\$965.00	\$9,650.00	\$1,928.50	\$19,285.00	\$800.00	\$8,000.00
K0012980	PERENNIAL PLANTS, ORNAMENTAL TYPE, QUART POT	UNIT	5.47	\$1,500.00	\$8,205.00	\$2,375.25	\$12,992.62	\$2,200.00	\$12,034.00	\$2,534.60	\$13,864.26	\$2,000.00	\$10,940.00
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	9.18	\$3,000.00	\$27,540.00	\$2,802.02	\$2,802.02	\$2,890.00	\$26,530.20	\$2,990.00	\$27,448.20	\$2,700.00	\$24,786.00
K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	2.43	\$3,000.00	\$7,290.00	\$2,802.02	\$6,808.91	\$2,890.00	\$7,022.70	\$2,980.00	\$7,266.70	\$2,700.00	\$6,861.00
K1005418	TEMPORARY SEEDING	ACRE	0.25	\$4,000.00	\$1,000.00	\$10,529.13	\$2,632.26	\$2,320.00	\$580.00	\$19,207.76	\$4,801.94	\$1,600.00	\$400.00
X1005421	SEEDING (SPECIAL)	ACRE	0.25	\$10,000.00	\$2,500.00	\$10,529.13	\$2,632.26	\$2,320.00	\$578.50	\$28,842.00	\$7,210.50	\$21,000.00	\$5,250.00
X0323256	REMOVE AND RELOCATE FLAG POLE	EACH	1	\$2,750.00	\$2,750.00	\$5,146.02	\$5,146.02	\$4,680.00	\$4,680.00	\$2,674.33	\$2,674.33	\$7,500.00	\$7,500.00
X0323407	FLAG POLES	EACH	81	\$3,500.00	\$3,500.00	\$8,648.54	\$8,648.54	\$4,345.00	\$5,173.39	\$5,173.39	\$9,200.00	\$9,200.00	\$9,200.00
X0325405	FILL EXISTING STORM SEWERS	CU YD	81	\$250.00	\$20,250.00	\$210.15	\$17,022.15	\$215.00	\$17,415.00	\$257.46	\$20,854.26	\$630.00	\$1,030.00
X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	1100	\$70.00	\$77,000.00	\$34.49	\$37,939.00	\$48.00	\$52,800.00	\$21.17	\$23,877.00	\$0.01	\$11.00
X2110100	TOPSOIL FURNISH AND PLACE (SPECIAL)	CU YD	1100	\$75.00	\$82,500.00	\$59.27	\$65,197.00	\$44.00	\$48,400.00	\$28.98	\$31,878.00	\$73.00	\$80,300.00
X2507000	SODDING (SPECIAL)	SO YD	390	\$16.50	\$6,435.00	\$38.80	\$15,132.00	\$25.50	\$8,945.00	\$55.20	\$21,528.00	\$73.00	\$8,920.00
X2600011	REMOVE AND RELOCATE SIGN PANEL	EACH	22	\$150.00	\$3,300.00	\$156.27	\$3,437.94	\$160.00	\$3,520.00	\$281.94	\$6,246.68	\$450.00	\$9,900.00
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	7903	\$12.50	\$98,787.50	\$7.81	\$61,722.43	\$8.50	\$67,175.50	\$9.02	\$71,285.06	\$7.70	\$60,853.10
X5091300	DECORATIVE STEEL RAILING	FOOT	557	\$300.00	\$167,100.00	\$181.00	\$100,817.00	\$265.00	\$147,605.00	\$264.50	\$147,326.50	\$250.00	\$139,250.00
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	\$125,000.00	\$125,000.00	\$26,942.50	\$26,942.50	\$32,580.00	\$32,580.00	\$13,533.20	\$13,533.20	\$26,000.00	\$26,000.00
X8140115	HANDHOLE TO BE ADJUSTED	EACH	2	\$800.00	\$800.00	\$506.52	\$1,013.04	\$280.00	\$580.00	\$540.50	\$1,081.00	\$1,100.00	\$2,200.00
XX0003000	CONCRETE STEPS	SO FT	40	\$150.00	\$6,000.00	\$188.60	\$7,544.00	\$50.00	\$2,000.00	\$174.09	\$6,963.60	\$120.00	\$4,800.00
Z0007126	HANDRAIL REMOVAL	FOOT	179	\$10.00	\$1,790.00	\$10.78	\$1,929.62	\$9.00	\$1,611.00	\$9.90	\$1,772.10	\$6.10	\$1,091.90
Z0012455	CONCRETE STEP REMOVAL	EACH	6	\$250.00	\$1,500.00	\$538.85	\$3,233.10	\$150.00	\$900.00	\$443.27	\$2,659.62	\$400.00	\$2,400.00
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	\$60,000.00	\$60,000.00	\$31,016.21	\$31,016.21	\$45,000.00	\$45,000.00	\$18,400.00	\$23,000.00	\$23,000.00	\$23,000.00
Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	78	\$160.00	\$12,480.00	\$70.05	\$5,463.90	\$100.00	\$7,800.00	\$128.67	\$10,036.26	\$250.00	\$19,500.00
X0000001	LIGHT POLE FOUNDATION, 18" DIAMETER	FOOT	176	\$210.00	\$36,960.00	\$204.76	\$36,037.76	\$165.00	\$29,040.00	\$308.20	\$54,243.20	\$94.00	\$11,264.00
X0000002	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, TINTED AND STAMPED BRICK	SO FT	10195	\$22.50	\$229,387.50	\$20.10	\$204,919.50	\$17.00	\$173,315.00	\$16.56	\$168,829.20	\$24.00	\$244,680.00
X0000003	COMBINATION CONCRETE CURB AND GUTTER REMOVAL (SPECIAL)	FOOT	422	\$20.00	\$8,440.00	\$10.78	\$4,549.16	\$10.00	\$4,220.00	\$15.39	\$6,494.58	\$2.80	\$1,181.60
X0000004	REMOVE ELECTRICAL WIRE	FOOT	8300	\$2.00	\$16,600.00	\$0.54	\$4,482.00	\$0.25	\$2,075.00	\$0.00	\$0.00	\$3.60	\$29,880.00
X0000005	SHRUB, SPIREA X DOUBLE PLAY DOOZIE (DOUBLE PLAY DOOZIE SPIREA) 3-GALLON, 2' HEIGHT	EACH	14	\$120.00	\$1,680.00	\$125.01	\$1,750.14	\$110.00	\$1,540.00	\$133.40	\$1,867.60	\$100.00	\$1,400.00
X0000006	SHRUB, ARONIA MELANOCARPA GROUND HOG (GROUND HOG BLACK CHOKE BERRY) 2' SPREAD, BALLED AND BURLAPPED	EACH	18	\$120.00	\$2,160.00	\$125.01	\$2,250.18	\$110.00	\$1,980.00	\$133.40	\$2,401.20	\$100.00	\$1,800.00
X0000007	SHRUB, HYDRANGEA PANICULATA BOBO (BOBO HYDRANGEA) 2' HEIGHT, CONTAINER GROWN	EACH	13	\$120.00	\$1,560.00	\$125.01	\$1,625.13	\$110.00	\$1,430.00	\$133.40	\$1,734.20	\$100.00	\$1,300.00
X0000009	BENCH - CURVED	EACH	7	\$3,000.00	\$21,000.00	\$2,638.05	\$18,466.35	\$2,100.00	\$14,700.00	\$2,520.89	\$17,646.23	\$2,700.00	\$18,900.00
X0000010	BENCH - BACKLESS	EACH	5	\$2,200.00	\$11,000.00	\$1,809.73	\$9,048.65	\$1,300.00	\$6,500.00	\$2,376.73	\$11,863.65	\$1,700.00	\$8,500.00
X0000011	BENCH - BACKED	EACH	2	\$2,650.00	\$5,300.00	\$2,176.15	\$4,352.30	\$1,700.00	\$3,400.00	\$2,734.59	\$5,469.18	\$2,100.00	\$4,200.00

Downtown Reconstruction - Alternate Bids - Bid Tab

Date: January 30, 2025
Time: 10:00 AM
Location: Rantoul Village Hall

Alternate Bid #1 - Tanner St. & Kentucky Ave.

Code Number	Item	Unit of Measure	Quantity	Engineer's Estimate			MIDWEST ASPHALT CO.			MID-ILLINOIS CONC & EXC			SNC CONSTRUCTION			STARK EXCAVATING, INC		
				Unit Price	Cost		Unit Price	Cost		Unit Price	Cost		Unit Price	Cost		Unit Price	Cost	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3509	\$2.50	\$8,772.50		\$8.78	\$30,809.02		6	\$21,054.00		8.77	\$30,773.83		1.5	\$5,263.50	
28005000	INLET & PIPE PROTECTION	EACH	17	\$260.00	\$4,250.00		\$220.93	\$3,755.81		250	\$4,250.00		17	\$3,191.92		320	\$5,458.00	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	81	\$20.00	\$1,620.00		\$15.99	\$1,285.09		14	\$1,274.00		14	\$2,478.84		38	\$2,478.84	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	3509	\$25.00	\$87,725.00		\$14.78	\$51,863.02		19	\$56,671.00		18.46	\$64,776.14		20	\$70,180.00	
35300100	PORTLAND CEMENT CONCRETE BASE COURSE 6"	SQ YD	81	\$75.00	\$6,075.00		\$21.17	\$1,726.47		85	\$7,735.00		144.68	\$13,165.88		170	\$15,470.00	
35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	207	\$1,000.00	\$207,000.00		\$35.10	\$7,285.70		100	\$20,700.00		136.93	\$28,736.51		300	\$62,100.00	
42001000	AGGREGATE FOR TEMPORARY ACCESS	TON	250	\$55.00	\$13,750.00		\$48.50	\$12,125.00		48	\$12,125.00		56.19	\$14,047.50		110	\$27,500.00	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2927	\$1.00	\$2,927.00		\$2.05	\$6,000.35		2.5	\$7,317.50		4.04	\$11,825.08		2	\$5,854.00	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	466	\$1.00	\$466.00		\$3.23	\$1,505.18		3.5	\$4,315.16		9.26	\$4,315.16		3.2	\$1,491.20	
40604050	HOT-PAVEMENT ASPHALT SURFACE COURSE (L-8.5 MIX "C" N50	TON	415	\$185.00	\$76,775.00		\$301.76	\$125,230.40		340	\$141,100.00		326.89	\$135,659.35		300	\$124,500.00	
42000201	PORTLAND CEMENT CONCRETE PAVEMENT 7" (JOINTED)	SQ YD	3859	\$100.00	\$385,900.00		\$95.38	\$368,071.42		85	\$328,615.00		110.94	\$428,117.46		92	\$365,028.00	
42400435	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	10890	\$12.50	\$136,125.00		\$8.46	\$92,128.40		10.5	\$114,345.00		10.39	\$113,147.10		17	\$185,130.00	
42400800	DETECTABLE WARNING	SQ FT	259	\$80.00	\$20,720.00		\$11.91	\$2,080.43		12.5	\$2,162.50		30.06	\$5,200.38		24	\$4,152.00	
44000100	PAVEMENT REMOVAL	SQ YD	397	\$15.00	\$5,955.00		\$32.28	\$12,815.16		45	\$104,760.00		36.12	\$169,166.56		17	\$89,046.00	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	397	\$15.00	\$5,955.00		\$32.28	\$12,815.16		45	\$104,760.00		36.12	\$169,166.56		17	\$89,046.00	
44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	2340	\$12.00	\$28,080.00		\$9.16	\$21,434.40		16	\$37,440.00		12.81	\$28,975.40		8	\$14,040.00	
44000600	SIDEWALK REMOVAL	SQ FT	8409	\$2.50	\$21,022.50		\$3.18	\$26,740.62		3	\$25,227.00		5.58	\$46,922.22		1.1	\$9,249.90	
44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	59	\$200.00	\$11,800.00		\$106.15	\$6,262.85		200	\$11,800.00		183.85	\$10,847.15		310	\$18,290.00	
44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	80	\$200.00	\$16,000.00		\$104.48	\$8,358.40		150	\$12,000.00		170.5	\$13,640.00		230	\$18,400.00	
44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	380	\$200.00	\$76,000.00		\$102.92	\$37,051.20		150	\$54,000.00		142.74	\$51,395.40		180	\$64,800.00	
55000500	STORM SEWERS, CLASS B, TYPE 1, 12"	FOOT	72	\$150.00	\$10,800.00		\$59.81	\$4,308.32		85	\$6,120.00		95.69	\$6,889.68		100	\$7,200.00	
55000540	STORM SEWERS, CLASS B, TYPE 2, 12"	FOOT	190	\$150.00	\$28,500.00		\$59.81	\$11,363.90		85	\$12,350.00		107.51	\$20,426.90		85	\$16,150.00	
55100500	STORM SEWER REMOVAL 12"	FOOT	96	\$70.00	\$6,720.00		\$37.72	\$3,621.12		50	\$4,800.00		58.5	\$5,616.00		30	\$2,960.00	
60218500	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME	EACH	2	\$5,500.00	\$11,000.00		\$4,849.65	\$9,699.30		3720	\$7,440.00		6080.46	\$12,160.92		5900	\$11,800.00	
60223810	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME	EACH	1	\$7,500.00	\$7,500.00		\$7,166.71	\$7,166.71		6550	\$6,550.00		7929.54	\$7,929.54		11000	\$11,000.00	
60234500	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	2	\$1,750.00	\$3,500.00		\$3,098.39	\$6,196.78		1575	\$3,150.00		3208.77	\$6,417.54		2800	\$5,000.00	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	15	\$1,750.00	\$26,250.00		\$3,098.39	\$46,475.85		1980	\$29,700.00		3029.36	\$45,440.40		2800	\$42,000.00	
60240200	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1	\$2,000.00	\$2,000.00		\$4,149.15	\$4,149.15		2760	\$2,760.00		3208.77	\$3,208.77		4200	\$4,200.00	
60255000	MANHOLES TO BE ADJUSTED	EACH	4	\$1,250.00	\$5,000.00		\$1,756.65	\$7,026.60		230	\$920.00		2119.17	\$2,119.17		880	\$3,520.00	
60255900	MANHOLES TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	1	\$2,500.00	\$2,500.00		\$2,694.25	\$2,694.25		1120	\$1,120.00		2119.17	\$2,119.17		1500	\$1,500.00	
60500040	REMOVING MANHOLES	EACH	5	\$2,500.00	\$12,500.00		\$2,150.01	\$10,750.05		810	\$4,050.00		561.64	\$2,808.20		1600	\$8,000.00	
60500060	REMOVING INLETS	EACH	5	\$1,000.00	\$5,000.00		\$1,056.15	\$5,280.75		810	\$4,050.00		561.64	\$2,808.20		800	\$4,000.00	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B&12	FOOT	1659	\$70.00	\$116,130.00		\$50.11	\$83,633.59		53	\$89,457.00		54.98	\$91,761.62		81	\$135,189.00	
60605600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M&12	FOOT	1089	\$70.00	\$76,230.00		\$49.04	\$53,404.56		50	\$54,400.00		59.05	\$64,305.45		91	\$99,099.00	
67100100	MOBILIZATION	L SUM	1	\$110,000.00	\$110,000.00		\$26,942.50	\$26,942.50		22000	\$22,000.00		9391.36	\$93,913.60		8943.65	\$89,436.50	
72000100	SIGN PANEL - TYPE 1	SQ FT	72	\$35.00	\$2,520.00		\$156.27	\$11,251.44		33	\$1,924.00		35.42	\$2,550.24		49	\$3,528.00	
78000000	TELESCOPING STEEL SIGN SUPPORT	FOOT	74	\$35.00	\$2,590.00		\$40.95	\$3,030.30		26	\$1,924.00		34.48	\$2,551.52		35	\$2,590.00	
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	7	\$20.00	\$140.00		\$15.57	\$108.99		17	\$119.00		16.92	\$116.34		8	\$55.00	
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4493	\$5.00	\$22,465.00		\$5.18	\$23,273.74		5.5	\$24,711.50		5.53	\$24,846.29		1.3	\$5,840.90	
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	212	\$8.00	\$1,696.00		\$7.78	\$1,649.36		8.5	\$1,802.00		8.3	\$1,759.60		2	\$424.00	
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	26	\$20.00	\$520.00		\$31.25	\$812.50		34	\$684.00		33.35	\$867.10		10	\$260.00	
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIAMETER	FOOT	2840	\$45.00	\$127,800.00		\$17.81	\$47,018.40		18	\$47,520.00		17.25	\$46,540.00		19	\$50,160.00	
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	42	\$225.00	\$9,450.00		\$204.76	\$8,599.92		130	\$5,460.00		274.85	\$11,543.70		64	\$2,688.00	
84200804	REMOVAL OF POLE FOUNDATION	EACH	19	\$1,250.00	\$23,750.00		\$242.48	\$4,607.12		235	\$4,465.00		788.19	\$14,975.61		1000	\$19,000.00	
89502380	REMOVE EXISTING HANDHOLE	EACH	13	\$750.00	\$9,750.00		\$215.54	\$2,802.02		74	\$962.00		287.5	\$3,737.50		210	\$2,730.00	
A2001820	TREE, ACER SACCHARUM GREEN MOUNTAIN (GREEN MOUNTAIN SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	\$1,750.00	\$1,750.00		\$1,521.71	\$1,521.71		620	\$620.00		1623.8	\$1,623.80		760	\$760.00	
A2004524	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 3" CALIPER, BALLED AND BURLAPPED	EACH	2	\$1,750.00	\$3,500.00		\$1,907.53	\$3,815.06		865	\$1,730.00		2035.5	\$4,071.00		800	\$1,600.00	
A2004617	TREE, GLEDITSIA TRIACANTHOS VAR. INERMIS DRAVES (STREET KEEPER HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	\$1,750.00	\$3,500.00		\$1,493.69	\$2,987.38		785	\$1,570.00		1593.9	\$3,187.80		720	\$1,440.00	
A2007720	TREE, TAXODIUM DISTICHUM SHAWNEE BRAVE (SHAWNEE BRAVE BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	\$1,750.00	\$3,500.00		\$1,493.69	\$2,987.38		785	\$1,570.00		1593.9	\$3,187.80		720	\$1,440.00	
A2018722	TREE, ULMUS CARPINIFOLIA MORTON (ACCOLADE ELM), 3-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	\$1,750.00	\$7,000.00		\$1,543.27	\$6,173.08		870	\$3,480.00		1646.8	\$6,587.20		800	\$3,200.00	

B200520	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2	\$1,750.00	\$3,500.00	\$1,515.25	\$3,030.50	695	\$1,390.00	1616.9	\$3,233.80	640	\$1,280.00
C2001120	SHRUB, CEANOTHUS AMERICANUS (NEW JERSEY TEA), CONTAINER GROWN, 3-GALLON	EACH	21	\$135.00	\$2,835.00	\$125.01	\$2,925.21	110	\$2,310.00	133.4	\$2,801.40	100	\$2,100.00
D2001143	EVERGREEN, JUNIPERUS SABINA BUFFALO (BUFFALO JUNIPER), 3-GALLON, WELL-DEVELOPED	EACH	13	\$175.00	\$2,275.00	\$125.01	\$1,625.13	110	\$1,430.00	133.4	\$1,734.20	100	\$1,300.00
K0012980	PERENNIAL PLANTS, ORNAMENTAL TYPE, QUART POT	UNIT	3.67	\$1,500.00	\$5,505.00	\$2,375.25	\$8,717.17	2200	\$8,074.00	2534.6	\$9,301.98	2000	\$7,340.00
K0012980	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	2.75	\$3,000.00	\$8,250.00	\$2,802.02	\$7,705.56	2890	\$7,947.50	2980	\$8,222.50	2700	\$7,425.00
K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	2.22	\$3,000.00	\$6,660.00	\$2,802.02	\$6,220.48	2890	\$6,415.80	2980	\$6,637.80	2700	\$5,994.00
K1005421	SEEDING (SPECIAL)	ACRE	0.30	\$10,000.00	\$3,000.00	\$12,307.33	\$3,992.20	9255	\$2,776.50	30960	\$9,108.00	8500	\$2,550.00
X0325405	FILL EXISTING STORM SEWERS	CU YD	16	\$250.00	\$4,000.00	\$210.15	\$3,362.40	200	\$3,200.00	355.32	\$5,746.12	640	\$10,240.00
X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	635	\$70.00	\$44,450.00	\$34.49	\$21,901.15	50	\$31,750.00	27.5	\$17,462.50	0.01	\$6.35
X2110100	TOPSOIL, FURNISH AND PLACE (SPECIAL)	CU YD	635	\$75.00	\$47,625.00	\$59.27	\$37,636.45	44	\$27,940.00	30.64	\$19,456.40	74	\$46,980.00
X2600011	REMOVE AND RELOCATE SIGN PANEL	EACH	1	\$150.00	\$150.00	\$317.92	\$317.92	160	\$160.00	398.93	\$398.93	480	\$480.00
X4401168	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	1786	\$12.50	\$22,325.00	\$10.51	\$18,770.86	11.5	\$20,539.00	12.72	\$22,717.92	10	\$17,860.00
X50091900	DECORATIVE STEEL RAILING	FOOT	31	\$900.00	\$9,300.00	\$181.00	\$5,611.00	265	\$9,215.00	276	\$9,556.00	250	\$7,750.00
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	\$75,000.00	\$75,000.00	\$26,942.50	\$26,942.50	118600	\$11,800.00	13533.2	\$13,533.20	16000	\$19,000.00
Z0012465	CONCRETE STEP REMOVAL	EACH	3	\$250.00	\$750.00	\$700.51	\$2,101.53	150	\$450.00	527.77	\$1,583.31	410	\$1,230.00
Z0013768	CONSTRUCTION LAYOUT	L SUM	1	\$40,000.00	\$40,000.00	\$13,956.22	\$13,956.22	17000	\$17,000.00	13225	\$13,225.00	21000	\$21,000.00
Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	168	\$160.00	\$26,880.00	\$70.05	\$11,768.40	110	\$18,480.00	103.94	\$17,461.92	82	\$13,776.00
Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	587	\$160.00	\$93,920.00	\$70.05	\$41,118.35	100	\$58,700.00	104.43	\$61,300.41	99	\$58,113.00
Z0056670	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	301	\$190.00	\$57,190.00	\$80.83	\$24,329.83	160	\$48,160.00	151.98	\$45,745.98	220	\$96,220.00
Z0075466	CONCRETE RETAINING WALL REMOVAL	FOOT	249	\$100.00	\$24,900.00	\$37.72	\$9,392.28	25	\$8,225.00	41.95	\$10,445.55	18	\$4,482.00
X0000001	LIGHT POLE FOUNDATION, 18" DIAMETER	FOOT	56	\$210.00	\$11,760.00	\$204.76	\$11,466.56	165	\$8,240.00	301.3	\$16,872.80	64	\$3,584.00
X0000002	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, TINTED AND STAMPED BRICK	Sq FT	62	\$22.50	\$1,395.00	\$52.27	\$3,240.74	18	\$1,116.00	39.31	\$2,437.22	45	\$2,790.00
X0000004	REMOVE ELECTRICAL WIRE	FOOT	5200	\$2.00	\$10,400.00	\$0.54	\$2,808.00	0.2	\$1,040.00	0.58	\$3,016.00	3.6	\$18,720.00
X0000005	SHRUB, SPIREA X DOUBLE PLAY DOOZIE (DOUBLE PLAY DOOZIE SPIREA) 3-GALLON, 2' HEIGHT	EACH	9	\$120.00	\$1,080.00	\$125.01	\$1,125.09	110	\$890.00	133.4	\$1,200.80	100	\$900.00
X0000006	SHRUB, ARONIA MELANOCARPA GROUND HOG (GROUND HOG BLACK CHOKE BERRY) 2' SPREAD, BALLED AND BURLAPPED	EACH	8	\$120.00	\$960.00	\$125.01	\$1,000.08	110	\$890.00	133.4	\$1,067.20	100	\$800.00
X0000022	CONCRETE RAMP	SQ FT	233	\$40.00	\$9,320.00	\$24.25	\$5,650.25	12	\$2,796.00	28.63	\$6,903.79	27	\$6,291.00
X0000024	HANDHOLE, 12"x12"	EACH	13	\$750.00	\$9,750.00	\$985.42	\$8,910.46	565	\$7,345.00	731.4	\$5,508.20	1100	\$14,300.00
X0000025	HANDHOLE, 13"x24"	EACH	6	\$1,000.00	\$6,000.00	\$1,093.87	\$6,563.22	845	\$5,670.00	1167.25	\$7,003.50	1500	\$9,000.00
				TOTAL	\$2,346,960.00	\$1,694,283.95			\$1,659,467.30		\$1,963,030.03		\$1,963,823.50

Alternate Bid #2 - Gateway Structure - Sangamon Ave.

Code Number	Item	Unit of Measure	Quantity	Engineer's Estimate	Unit Price	Cost	MIDWEST ASPHALT CO.	Unit Price	Cost	MID-ILLINOIS CONC & EXC	Unit Price	Cost	STARK EXCAVATING, INC	Unit Price	Cost
X0000015	GATEWAY STRUCTURE	EACH	1	\$150,000.00	\$150,000.00	\$150,000.00	\$85,515.50	\$82,000.00	\$85,515.50	\$102,513.53	\$102,513.53	\$640,000.00	\$640,000.00	\$640,000.00	\$640,000.00

Alternate Bid #3 - Plaza Seat Wall Light Poles - Plaza

Code		Item	Unit of Measure	Quantity	Engineer's Estimate		MIDWEST ASPHALT CO.		MID-ILLINOIS CONC & EXC		SNC CONSTRUCTION		STARK EXCAVATING, INC	
Code	Number				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit price	Cost	Unit Price	Cost
	X00000019	TYPE S4 LIGHTING UNIT COMPLETE	EACH	7	\$15,000.00	\$105,000.00	9345.81	\$65,420.67	9330	\$65,310.00	9972.8	\$69,809.60	16000	\$112,000.00
	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	42	\$225.00	\$9,450.00	204.76	\$8,598.92	130	\$11,592.00	276	\$2,688.00	64	\$11,688.00

Alternate Bid #4 - Stage Canopy - Plaza

Code Number	Item	Unit of Measure	Quantity	Engineer's Estimate	Unit Price	Cost	MIDWEST ASPHALT CO.	Unit Price	Cost	MID-ILLINOIS CONC & EXC	Unit Price	Cost	STARK EXCAVATING, INC	Unit Price	Cost
X0000017	STAGE CANOPY	EACH	1	\$125,000.00	\$125,000.00	\$125,000.00	\$134,833.20	\$116,850.00	\$134,833.20	\$106,119.70	\$106,119.70	\$140,000.00	\$140,000.00	\$140,000.00	\$140,000.00

Alternate Bid #5 - Gateway Structure - Tanner St.

Code Number	Item	Unit of Measure	Quantity	Engineer's Estimate	Unit Price	Cost	MIDWEST ASPHALT CO.	Unit Price	Cost	MID-ILLINOIS CONC & EXC	Unit Price	Cost	STARK EXCAVATING, INC	Unit Price	Cost
X0000015	GATEWAY STRUCTURE	EACH	1	\$150,000.00	\$150,000.00	\$150,000.00	\$85,515.50	\$82,000.00	\$85,515.50	\$102,513.53	\$102,513.53	\$640,000.00	\$640,000.00	\$640,000.00	\$640,000.00

Alternate Bid #6 - String Lights - Plaza

Code Number	Item	Unit of Measure	Quantity	Engineer's Estimate		MIDWEST ASPHALT CO.		MID- ILLINOIS CONC & EXC		SNC CONSTRUCTION		STARK EXCAVATING, INC	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit price	Cost	Unit Price	Cost
X0000016	TYPE S3 LIGHTING UNIT COMPLETE	FOOT	140	\$25.00	\$3,500.00	\$243.13	\$34,038.20	\$240.00	\$33,600.00	\$259.44	\$36,321.60	\$240.00	\$33,600.00

Alternate Bid #7 - Trash Receptacles - Sangamon Ave.

Code Number	Item	Unit of Measure	Quantity	Engineer's Estimate		MIDWEST ASPHALT CO.		MID- ILLINOIS CONC & EXC		SNC CONSTRUCTION		STARK EXCAVATING, INC	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit price	Cost	Unit Price	Cost
X0327997	TRASH RECEPTACLES	EACH	11	\$2,500.00	\$27,500.00	\$2,025.00	\$22,275.00	\$1,540.00	\$16,940.00	\$2,532.35	\$27,855.85	\$2,000.00	\$22,000.00

Alternate Bid #8 - Bicycle Racks - Sangamon Ave.

Code Number	Item	Unit of Measure	Quantity	Engineer's Estimate		MIDWEST ASPHALT CO.		MID- ILLINOIS CONC & EXC		SNC CONSTRUCTION		STARK EXCAVATING, INC	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit price	Cost	Unit Price	Cost
Z0003455	BICYCLE RACK	EACH	6	\$950.00	\$5,700.00	\$705.97	\$4,241.82	\$420.00	\$2,520.00	\$528.56	\$3,171.36	\$810.00	\$5,460.00

Alternate Bid #9 - Plaza Seat Wall - Plaza

Code Number	Item	Unit of Measure	Quantity	Engineer's Estimate		MIDWEST ASPHALT CO.		MID- ILLINOIS CONC & EXC		SNC CONSTRUCTION		STARK EXCAVATING, INC	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit price	Cost	Unit Price	Cost
X0000008	PLAZA SEAT WALL	FOOT	246	\$750.00	\$184,500.00	\$212.68	\$52,319.28	\$225.00	\$79,950.00	\$251.22	\$61,800.12	\$400.00	\$98,400.00

Alternate Bid #10 - Planters - 28" Diameter - Sangamon Ave.

Code Number	Item	Unit of Measure	Quantity	Engineer's Estimate		MIDWEST ASPHALT CO.		MID- ILLINOIS CONC & EXC		SNC CONSTRUCTION		STARK EXCAVATING, INC	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit price	Cost	Unit Price	Cost
X0000012	PLANTER - 28" DIAMETER	EACH	7	\$2,000.00	\$14,000.00	\$1,452.61	\$10,448.27	\$1,250.00	\$8,750.00	\$1,318.50	\$9,229.50	\$1,900.00	\$13,300.00

Alternate Bid #11 - Planters - 48" Diameter - Sangamon Ave.

Code Number	Item	Unit of Measure	Quantity	Engineer's Estimate		MIDWEST ASPHALT CO.		MID- ILLINOIS CONC & EXC		SNC CONSTRUCTION		STARK EXCAVATING, INC	
				Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit price	Cost	Unit Price	Cost
X0000013	PLANTER - 48" DIAMETER	EACH	8	\$3,850.00	\$30,800.00	\$1,360.06	\$10,880.48	\$625.00	\$5,000.00	\$2,089.21	\$16,713.68	\$1,800.00	\$14,400.00

February 7, 2025

Chris Milliken
Urban Planning Manager
Village of Rantoul
333 S. Tanner St.
Rantoul, IL 61866

Re: Downtown Reconstruction/Streetscaping

Dear Mr. Milliken,

As requested, we have reviewed the four (4) proposals received at the bid opening held at Village Hall on January 30, 2025 for the above noted project. A summary of the bid tabulation is attached. Midwest Asphalt Co. submitted the apparent low base bid in the amount of \$3,005,230.16. This amount is 29% lower than our opinion of probable construction cost of \$4,254,679.50 and therefore we consider a reasonable bid.

After evaluation of the alternate bids, we recommend that the Village award Alternates 1, 2, 3, 4, 5, 7, 8, 9, 10, and 11. We do not recommend the Village award Alternate #6 because we feel the unit cost of that item (string lights for the plaza) is too high.

Midwest Asphalt Co.'s bid summary is as follows:

Base Bid = \$3,005,230.16

Alternates 1,2,3,4,5,7,8,9,10, 11 = \$2,174,343.59

Total = \$5,179,573.75

Midwest Asphalt Co. appears to have fully completed their bid proposal and submitted the necessary executed forms with their bid proposal. They submitted a bid security in the form of a Bid Bond for 5% of the Amount Bid from a surety company certified to do business in the State of Illinois. Midwest Asphalt Co. as a corporation, included all necessary signatures and dates. Therefore, we find Midwest Asphalt Co. to be both 'responsive' and 'responsible' as defined in the bidding documents and recommend the Village of Rantoul accept the bid proposal from them and award the Contract to them in the amount of \$5,179,573.75.

Jacksonville
1801 W Lafayette Ave
Jacksonville, IL 62651
(217) 245-7164

Shorewood
605 Rollingwood Dr
Shorewood, IL 60404
(815) 733-6295

Peoria
8305 N Allen Rd,
Suite 4
Peoria, IL 61615
(309) 691-1366

Quad Cities
1701 River Dr,
Suite 110
Moline, IL 61265
(309) 517-3899

Carbondale
1335 North Cedar Court
Carbondale, IL 62901
(618) 457-2188

Hannibal
8965 Highway 36,
Suite 5
Hannibal, MO 63401
(573) 240-9577

Beloit
690 Third St,
Suite 230
Beloit, WI 53511
(608) 368-8025



Hutchison
Engineering, Inc.
Since 1945

The DCEO grant required the bidders to submit a Business Enterprise Program (BEP) Utilization Plan. The BEP utilization Plan has been submitted to DCEO for review and approval. The recommended award is contingent on DCEO's approval of that plan. In the event the plan is not approved, and Midwest Asphalt Co. cannot meet the grant requirements, the Village contract award shall be rescinded.

Upon notification that the Village approves the bid and DCEO approves the BEP Utilization Plan, we will deliver the Notice of Award along with the Contract and Contract Bond forms to Midwest Asphalt Co. for their execution.

Very truly yours,
Hutchison Engineering Inc.

W. Shane Larson, P.E.
Senior Vice President

Jacksonville
1801 W Lafayette Ave
Jacksonville, IL 62651
(217) 245-7164

Shorewood
605 Rollingwood Dr
Shorewood, IL 60404
(815) 733-6295

Peoria
8305 N Allen Rd,
Suite 4
Peoria, IL 61615
(309) 691-1366

Quad Cities
1701 River Dr,
Suite 110
Moline, IL 61265
(309) 517-3899

Carbondale
1335 North Cedar Court
Carbondale, IL 62901
(618) 457-2188

Hannibal
8965 Highway 36,
Suite 5
Hannibal, MO 63401
(573) 240-9577

Beloit
690 Third St,
Suite 230
Beloit, WI 53511
(608) 368-8025

Downtown Streetscaping & Plaza Construction			
Expenditures:			Updated: 2/7/25
<u>Item</u>	<u>Amount</u>		
Construction - (Base+Alternates)	\$5,179,573.75		
Contingency	\$125,000.00		
Construction Engineering (Est.)	\$150,000.00		
Total Expenditures-	\$5,454,573.75		
Funding:			
<u>Fund Source</u>	<u>Amount</u>		
DCEO Main Street Grant	\$2,745,000.00		
Original ARPA Funds Remaining	\$450,000.00		
Reallocated ARPA Funds	\$1,300,000.00		
PW Stormwater Fund	\$500,000.00		
Local MFT Fund	\$400,000.00		
TMobile Grant	\$50,000.00		
CN-America in Bloom Grant	\$25,000.00		
Total Funding-	\$5,470,000.00		
Difference:	\$15,426.25		

**BOARD OF TRUSTEES
VILLAGE OF RANTOUL**

AGENDA ITEM

ITEM: Motion to Authorize and Approve the Purchase of Materials for Downtown Plaza Water Feature from Vortex Aquatic Structures as part of the Downtown Reconstruction Project in the amount of \$82,473.70	DEPARTMENT: Community Planning & Development
DATE: February 18, 2025	AMOUNT: \$82,473.70
ATTACHMENTS: 1. Vortex Plaza Water Feature Quote 2. Plaza Water Feature Layout 3. Plaza Water Feature Night Schematic	ADMINISTRATIVE NOTES:
SUMMARY HIGHLIGHTS: This item provides for the purchase of the materials required for construction of a water feature in the new Downtown plaza that would be constructed as part of the Downtown Reconstruction & Streetscaping Project. It was not included as an alternate in the project bids for the Downtown Project due to the very specialized nature of the product. Instead, the Village was able to leverage its participation in a public bid cooperative to find applicable vendors, and utilize cooperative purchasing to get the best pricing. We are also able to see a reduced cost due to no markup being applied by a contractor if it would have been included as an alternate in the project bid package. Vortex is the same company that provided the materials for the Rantoul Sports Complex splashpad, and we have been satisfied with how that has worked and held up thus far. This purchase would be paid for from the original ARPA funds allocated to the Downtown project. Specifically, this would be utilizing unspent funds that had been allotted to the Downtown water/sanitary sewer replacement project contract.	
RECOMMENDED ACTION: Authorize the purchase of materials for Downtown Plaza Water Feature from Vortex Aquatic Structures as part of the Downtown Reconstruction Project in the amount of \$82,473.70.	
DEPARTMENT HEAD APPROVAL Chris Milliken	VILLAGE ADMINISTRATOR Scott Eisenhauer

QUOTE



Account Name: Village of Rantoul, IL
 Project Name: 42693-Rantoul Plaza Splashpad
 Project ID: 42693
 Bill To Name: Village of Rantoul, IL
 Bill To Address: 333 S TANNER ST
 RANTOUL, IL 61866-2919
 United States
 Contact Name: Chris Milliken
 Email: cmilliken@myrantoul.com

Created Date: 2/11/2025 9:06 PM
 Quote Number: QUO-27367-COF4Q0
 Quote Name: 42693-Rantoul Plaza Splashpad - VA
 Prepared By: Ryan Eccles
 Email: REccles@vortex-intl.com
 Incoterm:

VOR	Product No.	Product Name	Description	QTY
1- Play Products				
7060	123007-304L	COREOPLAY SUNSET (5X LUMIFLOW, EM, PC)		2
0622	129863-304L	ACTIVATOR NO4 (SM, PC)		1
2- Water Management System and Controls				
2- Water Distribution System 'WDS'				
		Custom WDS	Water Distribution System Serial Number: 42693D2408R02 Vault Command Center - Flow-Through Single 2" Inlet With Pressure Regulator; Backflow Preventer Installed Controller Installed In Equipment 0 Additional Output 1 Activation Device 5x 1" PVC Solenoid Valve Line w/ Ball-Valve 5x 1" PVC Solenoid Valve Line w/ Ball-Valve 1x MaestroPRO, Splashpad, 24 out / 12 in 120V 1x AT&T LTE Cell Module 1x Lumiflow Power Pack, UL certified, 120-14 VAC, Maximum 12 lights 30W	1
4- Drains				
1004	103080-304L	PLAYSAFE DRAIN N°4 (EM,PC)	PLAYSAFE DRAIN N°4 (EM,PC)	1
5- Discount				
	12010	Buying Group - Products	NPP	1
7- Installation Kits				
	101134-304	INSTALLATION KIT V-JET No.1		30
	103536-304L	INSTALLATION KIT _LUMIFLOW		10
	102313	TOOL KIT #0 :		1
	102314	TOOL KIT #1 :SECURITY BITS (ALL)		1

QUOTE



9- Transport				
19030	19030	Freight Fee		1
18020	18020	Packaging Fee		1

Additional Information

NPP # M-5831316

Total Summary

Customer Signature:

**Enquire about our cooperative purchasing programs.
Thank you for doing business with us!
Pricing is valid for a period of 45 days.**

Products:	84,346.00
Discount:	(4,217.30)
Transport:	2,345.00
Subtotal:	82,473.70
Total:	82,473.70
Currency:	US Dollar
Incoterm:	

Terms & Conditions

Products Payment Terms: Product <\$100K: 50% deposit at PO, 50% Net 45

Freight Charges

Please note: freight charge is an estimate and is subject to change without notice. Vortex reserves the right to adjust the freight charge quoted above. Should embed equipment be required ahead of scheduled delivery date, additional freight charges will apply.

Purchase Contract Terms & Conditions of Sales

The following terms and conditions (the "Terms and Conditions") form part of the Purchase Contract (the "Purchase Contract") between yourself (the "Customer, and Vortex Aquatic Structures International and/or Vortex USA Inc. ("Vortex"). The Customer's acceptance and understanding of these Terms and Conditions and all other supporting documentation provided as part of this package is evidenced by signing of the Purchase Contract.

Payment Terms

Unless otherwise specified in the Purchase Contract, payment by the Customer of the purchase price specified in the Purchase Contract (with all applicable taxes, the "Purchase Price") shall be on the following terms: 100% of the Purchase Price to be paid prior to Vortex commencing production on the Customer's order. Any overdue balances are subject to interest charges of 1.5% per month.

Unless otherwise specifically stated, all sales taxes or any other personal property taxes, use taxes, duties, excises, levies or tariffs imposed by any government authority and incurred by Vortex through performance of the Purchase Contract will be the Customer's responsibility. Without limiting the generality foregoing, applicable taxes will be applied to all taxable goods and services included in the Purchase Contract as amended from time to time. Customers are advised to consult with their financial and tax advisors to obtain further information regarding taxes applicable to their purchase.

Vortex maintains a no return policy and asks all Customers to determine feature and color selection carefully. If a Customer cancels an order after production has commenced, Vortex reserves the right to charge (and the Customer agrees to pay) a 40% re-stocking fee.

Cheque, Wire Transfer, Irrevocable Letter of Credit or Credit Card (note: an administrative fee of 3.5% may apply to payments made via Credit Card) are considered acceptable payment methods.

Except where title to the products contained in the Customer's order is explicitly transferred by Vortex to the Customer and the Purchase Price is paid in full, title to and right to possession of such products shall remain with Vortex until the Purchase Price and all sums due or become due from the Customer are fully paid.

Should the goods comprising the Customer's order be connected to the ground or real property or buildings because of foundations or mechanical parts, then this connection is to be considered as transitory in nature until payment in full of the Purchase Price.

Unless otherwise agreed, projects where Vortex is supplying goods without installation, the risk of loss of the goods shall pass to the Customer when the goods are delivered to the Customer or its agent or to a carrier for delivery to the Customer or its agent, whichever event shall first occur. In the event of where Vortex is supplying and installing goods, risk of loss of the goods shall pass to the Customer upon completion of the project.

Lead Times & Logistics

Vortex' standard lead times are up to 3-4 weeks for embeds, up to 6-8 weeks for Play Products, up to 10 weeks for Water Recirculation Equipment, up to 16 weeks for Elevations and up to 16 weeks for Waterslides. The lead times are contingent upon receipt of signed Purchase Contract, approved drawings, and all applicable color selections. Expected timing for order completion and shipment will be communicated to the Customer at the time the Purchase Contract is signed by the Customer and acknowledged by Vortex.

Vortex reserves the right to refuse a Customer's delivery date change request if a delivery date confirmation has been previously confirmed/communicated to the Customer. All fees related to the delivery will be the sole responsibility of the Customer and will be borne by them. Storage fees will be charged if the Customer is unable or unwilling to receive the product as per the dates communicated by Vortex. The storage fees are payable before release of the shipment.

All products will be packaged to mitigate damage during shipment. All shipments must be inspected upon delivery and any damage, errors or omissions must be reported to Vortex at support@vortex-intl.com and the transport company within 24 hours of receipt of goods. Vortex reserves the right to amend and modify the transportation costs based on the Customer's request.

Service & Support

Digital versions of operations and maintenance manuals will be provided at the later of either the delivery of the products or completion of the project installation. Vortex is not responsible for coordination the installation project unless otherwise specified in the Contract. The Customer is responsible for coordinating installation schedules with Vortex to ensure that the site is ready for Vortex' products and services. Vortex reserves the right to charge the Customer and the Customer agrees to pay for any additional time or idle time on site and all additional expenses incurred as a result of the site not being ready for the planned services.

Vortex reserves the right to cancel supervision, installation start-up and commissioning services if Vortex deems the site unsafe or not ready. The Customer is responsible for ensuring a safe working environment for any Vortex or contracted service technicians. Vortex reserves the right to bill the Customer for (and the Customer agrees to pay) any additional time on site as well as any additional expenses incurred as a result of waiting to rectify an unsafe work condition.

Exclusions

Unless otherwise specified, the following is excluded from Vortex' purchase agreement price and responsibility: project management, project coordination, loading and unloading, onsite storage, installation services, permits and permit fees, local, state and or health department codes and approvals, OSHA documentation, onsite electrical work, electrical connections, onsite plumbing work and plumbing connections, bonding payment, geotechnical survey work, excavation & removal of materials, concrete surfacing, slab design and concrete footings.

General Terms & Conditions

The Customer has reviewed local codes and standards and has accepted the design and product specifications, including custom-designed features by signing the Purchase Contract. For orders including water recirculating equipment, the Customer is responsible for ensuring the accepted system meets local standards and codes and that all appropriate approvals are obtained, unless otherwise noted. Any design changes requested after signing the Purchase Contract will be subject to additional fees.

The Customer agrees to pay on demand all expenses reasonably incurred by Vortex in efforts to collect the amounts owing under the Purchase Contract. The Customer shall pay reasonable legal costs (fees and disbursements), including fees incurred in both trial and appellate courts or fees incurred without suit and all court costs.

Confidentiality: The design details and specifications of the products included in the Customer's order, including without limitation, fabrication drawings, samples, sketches, photographs, foundation drawings, approval drawings, shipping lists, manuals and any other technical details (collectively, the "Confidential Information") supplied are the property of Vortex and are confidential. The Customer shall not, without prior written consent of Vortex, use the Confidential Information except in connection with the installation and operation of the goods supplied or disclose such Confidential Information to third parties unless compelled by law.

Limitation of Liability: The aggregate liability of Vortex, its affiliates, and their respective employees, directors, officers, agents and contractors for any claim, whether in contract, tort (including negligence) or otherwise, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery, installation, resale, repair, replacement or use of any product will in no case exceed the actual portion of the Purchase Price paid by the Customer for the Purchase Contract. In no event will the Vortex be liable for special, indirect, or consequential damages. The limitation of liability contained herein shall survive the termination or expiration of the Purchase Contract.

Vortex is not responsible for any damages to the Customer's environment and or landscaping as a result of its products. All modifications and alterations made to Vortex's products will automatically void and null all warranties. Vortex may refuse to accept any order for any reason without incurring any liability from the Customer. No Change to this Agreement will be enforceable unless the Customer has a signed a Vortex Change Order request.

Pricing is valid for a period of 45 days.

SPLASHPAD DIMENSION

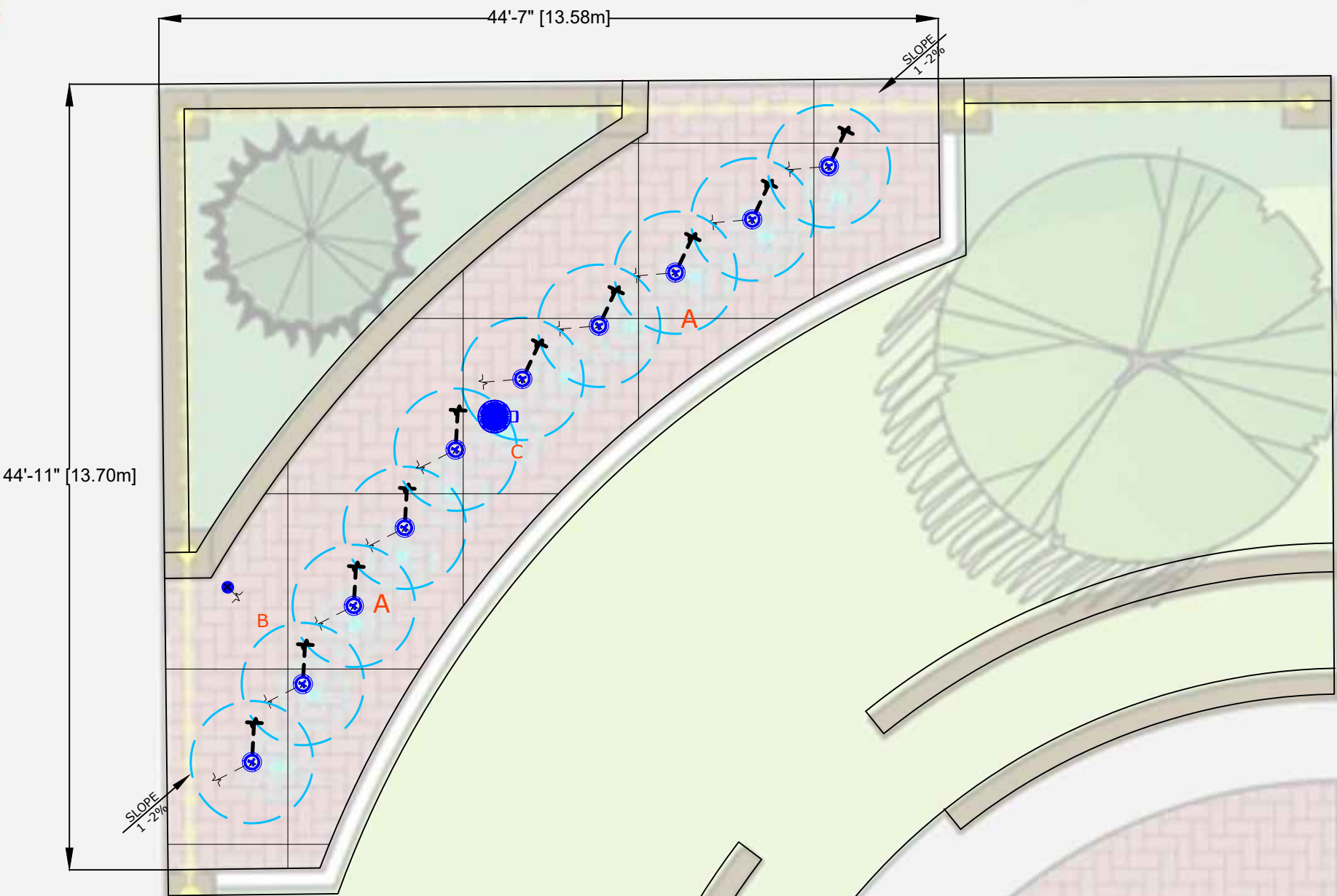
TOTAL AREA : 761 ft² 71m²

SPRAY AREA : 761 ft² 71m²

GRID SIZE : 10 x 10 ft 3 x 3m

PRODUCT LEGEND

REF	PRODUCT	QTY	GPM	LPM
A	CoreoPlay Sunset VOR 7060	2	50	189
B	Activator N°4 VOR 0622	1	0	0
C	Playsafe Drain N°4 VOR 1004	1	0	0
		QTY	GPM	LPM
TOTAL		4	50	189



5'[1.5m] SPRAY FREE CONCRETE AREA ALL AROUND THE SPLASHPAD IS RECOMMENDED BY VORTEX
NOTE: QUANTITY AND LOCATION OF DRAINS BASED ON VORTEX RECOMMENDATIONS.
MODIFICATIONS MAY BE REQUIRED DUE TO SPECIFIC SITE CONDITIONS AND/OR LOCAL CODE.
DISCLAIMER * SPRAY ZONE EXCEEDING THE WET ZONE MAY RESULT INTO OVERSPRAY BEYOND THE
RECOMMENDED SPLASHPAD SPRAY FREE/ DRY ZONE AND WILL BE THE CUSTOMER'S RESPONSIBILITY.

Rantoul Plaza Splashpad- USA

42693 Version_A August 27,2024



SPLASHPAD LAYOUT DRAWING

SCALE : 1/8":1'
11" X 17" sheet size





All 3D renders shown are for illustration purposes only. Actual colors, textures and finishes may differ from renders.

**BOARD OF TRUSTEES
VILLAGE OF RANTOUL**

AGENDA ITEM

ITEM: Motion to Authorize and Approve an Agreement for Installation of Downtown Plaza Water Feature with Team REIL Inc. as part of the Downtown Reconstruction Project in the amount of \$89,900.00	DEPARTMENT: Community Planning & Development
DATE: February 18, 2025	AMOUNT: \$89,900.00
ATTACHMENTS: 1. Quote Team Reil Install Rantoul_Plaza_Vortex 2. Rantoul Plaza Water Feature-42693-VA_PE(Construction)	ADMINISTRATIVE NOTES:
SUMMARY HIGHLIGHTS: This item provides for the installation of a new water feature in the new Downtown plaza that would be constructed as part of the Downtown Reconstruction & Streetscaping Project. This item was not included as an alternate in the project bids for the Downtown Project due to the very specialized nature of the product. Instead, the Village was able to leverage its participation in a public bid cooperative to find applicable vendors and utilize cooperative purchasing to get the best pricing. We are also able to see a reduced cost due to no markup being applied by a contractor if it would have been included as an alternate in the project bid package. Team REIL is the same company that completed the installation of the Rantoul Sports Complex splashpad, and we have been satisfied with how that has worked and held up thus far. The installation of the water feature would be coordinated with the main contractor of the Downtown project. This cost would be paid for from the original ARPA funds allocated to the Downtown project. Specifically, this would be utilizing unspent funds that had been allotted to the Downtown water/sanitary sewer replacement project contract.	
RECOMMENDED ACTION: Authorize and approve an agreement for installation of Downtown Plaza Water Feature with Team REIL Inc. as part of the Downtown Reconstruction Project in the amount of \$89,900.00	

DEPARTMENT HEAD APPROVAL Chris Milliken	VILLAGE ADMINISTRATOR Scott Eisenhauer
--	---

EQUIPMENT QUOTATION

Est. 1991
Team REIL Inc.
SALES • SERVICE • CONSTRUCTION
1-888-GET-REIL • WWW.GETREIL.COM

17421 Marengo Rd. Union, IL 60180
Ph: 888-GET-REIL Fax: 815-923-4303



Quote No	Quote Date
168597	9/27/2024

Salesperson
Mike Cederlund

Bill To: Village of Rantoul-Parks Dept. 333 South Tanner Rantoul, IL 61866 Contact: Luke Humphrey Phone: (217) 893-0461 Fax: (217) 893-5730 Email:	Site Location: Scope of Work BUDGET PRICING for Rantoul Plaza installation of Vortex system
--	--

Notes: This is based on some assumptions because full plans were not provided
Doesn't include Vortex equipment, city hook utilities, and RPZ/water meter

Description	Qty	Rate/Unit	Amount
Installation of Vortex Equipment (not including features and smartpoint)	1.00	19,600.00	19,600.00
Connection of utilities that are within in 15' of splash pad (doesn't include any enclosure or boring)	1.00	19,500.00	19,500.00
Concrete Flatwork 6" thick stamped	984.00	50.00	49,200.00
Mobilization Fee	1.00	4,850.00	4,850.00
TIPS Discount	1.00	-3,250.00	-3,250.00

Subtotal:	89,900.00
-----------	-----------

Sales Tax (If Applicable)	0.00
---------------------------	------

Quote Total: \$	89,900.00
------------------------	------------------

Due to the volatile manufacturing market, the above equipment prices are only valid for 7 days

Lead Times are now extended due to manufacturing delays
Unless otherwise specified the above prices do not include installation or Sales Tax.

TERMS: For those who have established credit with us

Terms are full payment within 30 days, no retainage, from the date of shipment. Should payment not be received within 30 days, we agree to pay 1 1/2% per month interest on the unpaid balance.

For those who do not have established credit at time of order,

Orders under \$3,000 require payment in full at time of order, all other orders will be 50% down payment with order and balance prior to shipping.

Should the payment not be received within the above terms, we agree to pay all attorneys' fees and other collection costs, which the seller may incur to insure that this account, including any accrued interest is collected in full.

Accepted by:

SPECIFICATIONS FOR CONSTRUCTION

1 GENERAL NOTES

- 1.1 THESE DESIGN DOCUMENTS WERE PREPARED BY "VORTEX AQUATIC STRUCTURES INTERNATIONAL" FOR THE USE OF THEIR CLIENT ONLY. THE MATERIAL USED AND IDENTIFIED IN THEM REFLECTS VORTEX AQUATIC STRUCTURES INTERNATIONAL'S BEST JUDGMENT IN LIGHT OF THE INFORMATION AVAILABLE AT THE TIME OF PREPARATION. FOR THE PURPOSE OF THESE DESIGN DOCUMENTS, "VORTEX AQUATIC STRUCTURES INTERNATIONAL" IS SYNONYMOUS WITH "VORTEX".
- 1.2 VORTEX ACCEPTS NO RESPONSIBILITY FOR DAMAGES, IF ANY, SUFFERED BY ANY THIRD PARTY AS A RESULT OF DECISIONS MADE OR ACTIONS BASED ON THESE DESIGN DOCUMENTS WITHOUT THE PREVIOUS CONSULTATION TO VORTEX.
- 1.3 ALL WORK, MATERIALS AND THEIR ASSEMBLIES SHALL CONFORM TO THE STANDARDS, REGULATIONS AND CODES CURRENTLY IN FORCE FOR ALL TRADES, AISC, ACNOR, EN, OR IBC.
- 1.4 THESE DESIGN DOCUMENTS DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. WHEN APPLICABLE, THE CONTRACTORS SHALL SUPERVISE AND DIRECT ALL THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES AND SEQUENCES AS PER STANDARD BEST PRACTICES.
- 1.5 DO NOT SCALE DRAWINGS.
- 1.6 USE ONLY THOSE MARKED "ISSUED FOR CONSTRUCTION".
- 1.7 THE CONTRACTOR SHALL REVIEW THESE DESIGN DOCUMENTS AND REPORT ANY CONFLICTS OR OMISSIONS TO THE VORTEX IMMEDIATELY.
- 1.8 TEMPORARY SUPPORTS, WHICH WILL BE REQUIRED DURING CONSTRUCTION, SUCH AS FORMWORK, BRACING, SHORING, ETC. ARE NOT SHOWN ON THESE DRAWINGS AND ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL SAFE CONSTRUCTION PROCEDURES ARE FOLLOWED.
- 1.9 THE FOLLOWING SPECIFICATIONS ARE VORTEX'S MINIMUM RECOMMENDATIONS TO OBTAIN A QUALITY PRODUCT. THE CONTRACTOR SHALL FOLLOW THE LOCAL CODES IF MORE RESTRICTIVE.
- 1.10 ALL SEEFLOW COMPONENTS TO BE SNUG-TIGHT ONLY. USING POWER TOOLS OR TIGHTEN HARDWARE FULLY-TENSIONED CAN PRODUCE CRACKING ON THE PLASTIC.

2 EXCAVATION

- 2.1 ANY SHORING OR TEMPORARY SHORING NOT SHOWN ON DRAWINGS WILL BE EXECUTED, IN A SAFE MANNER, BY THE GENERAL CONTRACTOR.
- 2.2 IT IS THE RESPONSIBILITY OF OTHERS TO VERIFY THE EXISTENCE OF ANY UNDERGROUND SERVICES ETC.
- 2.3 IF AVAILABLE, REFER TO SOIL REPORT FOR BACKFILL REQUIREMENTS. ALL BACKFILL (FOR SLAB ON GRADE, ETC.) MUST BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED PROFESSIONAL. USE ONLY FREE DRAINING, GRANULAR, MINERAL, INERT AND NON- REACTIVE FILL.

3 FOUNDATIONS

- 3.1 REFER TO SOIL REPORT FOR RECOMMENDATIONS.
- 3.2 ALL FOOTINGS SHALL REST ON A HOMOGENEOUS LAYER OF UNDISTURBED SOIL OR ENGINEERED BACKFILL WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 100KPA (2000 PSF) AND MAXIMUM DIFFERENTIAL SETTLEMENT OF 19 MM (0.75"). ALL ORGANIC MATERIAL SHALL BE REMOVED.
- 3.3 IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE SOIL AT ALL FOOTING LOCATIONS BE VERIFIED BY A QUALIFIED SOILS EXPERT BEFORE POURING FOOTINGS TO ENSURE FOOTINGS REST ON APPROPRIATE STRATA.
- 3.4 WHEN APPLICABLE, FOLLOW GEOTECHNICAL EXPERT RECOMMENDATIONS FOR ALL EXTERIOR FOOTINGS TO ENSURE FROST PROTECTION.

4 CONCRETE

- 4.1 ALL CONCRETE MATERIALS, PROCEDURES, TOLERANCES & WORKMANSHIP SHALL CONFORM TO THE LATEST ISSUES OF ACI-318 AND ACI 317 OR ACNOR CAN3-A23.1 & A23.2, DEPENDING ON PROJECT LOCATION.
- 4.2 CONCRETE THAT HAS BEEN IN THE TRUCKS LONGER THAN 2 HOURS SHALL BE REJECTED. DO NOT ADD WATER TO THE CONCRETE IN THE TRUCKS OR ON THE SITE UNDER ANY CIRCUMSTANCES.
- 4.3 USE MAXIMUM 76mm (3") SLUMP, 19mm (3/4") AGGREGATE, UNLESS OTHERWISE-NOTED. USE 5-7% AIR ENTRAINMENT FOR CONCRETE EXPOSED TO WEATHER ONLY.
- 4.4 ALL GROUT SHALL BE NON-SHRINK TYPE WITH A MINIMUM 28 DAYS STRENGTH OF 35.0 MPA (5000 PSI). USE 25 MM (1") GROUT UNDER ALL STEEL COLUMN BASE PLATES.
- 4.5 CONCRETE STRENGTH @ 28 DAYS TO BE:
- 4.5.1 FOUNDATIONS (FOOTINGS): 25.0 MPA (3500 PSI), UNLESS OTHERWISE NOTED.
- 4.5.2 INTERIOR SLAB ON GRADE: 25.0 MPa (3500 PSI), UNLESS OTHERWISE NOTED.
- 4.5.3 EXTERIOR SLAB ON GRADE: 32.0 MPa (4500 PSI), UNLESS OTHERWISE NOTED.
- 4.6 MINIMAL RE-BAR COVER:
- 4.6.1 CONCRETE POURED ON-GRADE = 76mm (3") COVER
- 4.6.2 CONCRETE POURED INTO FORMWORK BUT EXPOSED TO SOIL AND WEATHER FOR REBAR 15m (#4) AND UNDER = 50mm (2") COVER

5 REINFORCING STEEL

- 5.1 DEPENDING ON PROJECT LOCATION, ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 (BARS 15m (#4) TO BE GRADE 60 WITH SUPPLEMENTARY REQUIREMENTS ON S1.
- BARS SMALLER THAN 15m (#4), TO BE GRADE 40); OR TO ACNOR GRADE G30.12 [FY = 400MPa (60,000 PSI), UNLESS OTHERWISE NOTED].
- 5.2 USE CONCRETE, PLASTIC OR STEEL SUPPORT BARS, AS PER ACI (MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES). THE RE-BAR PLACER MUST REMAIN ON-SITE DURING POURS TO VERIFY CORRECT POSITIONING OF RE-BARS. SLANT UPPER REINFORCING STEEL IN LINE WITH THE SLOPE OF THE SLAB, IF APPLICABLE.
- 5.3 BARS SHALL BE SECURELY WIRED PER LATEST EDITION OF CRSI (RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS).
- 5.4 ALL REINFORCING STEEL IS TO BE KEPT CLEAN AND FREE OF MUD, SNOW, ICE, AND ANY CONTAMINANTS.
- 5.5 VERTICAL AND CONTINUOUS REBAR SHALL BE LAPPED TO DEVELOP FULL TENSILE CAPACITY OF THE BAR. FOR 15M (#4) BARS MINIMUM LAP OF 610mm (24").

6 EXTERIOR / INTERIOR SLAB ON GRADE

- 6.1 FOLLOW THE GEOTECHNICAL EXPERT RECOMMENDATIONS FOR PREPARATION OF SOIL BEFORE POURING THE CONCRETE. ALL GRANULAR MATERIAL SHALL BE MOISTENED IMMEDIATELY BEFORE POURING THE CONCRETE. WATER AS NEEDED. DO NOT USE A VAPOR BARRIER.
- 6.2 NO TRUCKS ARE PERMITTED ON THE CONSTRUCTION SITE (OF THE SLAB) AFTER THE FINAL COMPACTION, EITHER BEFORE OR DURING, THE POUR.
- 6.3 SLAB TO BE MINIMUM 6" THICK, REINFORCED WITH 10m (#3) @ 300mm (12") C/C REBAR PLACED IN BOTH DIRECTIONS AT MID-HEIGHT OF THE SLAB, UNLESS OTHERWISE NOTED ON PLANS. FOR ELEVATION/PLAYNUK REQUIREMENT OF THICKENED SLAB/MANIFOLD LOCATION, REFER TO ELEVATION INSTALLATION PACKAGE FOR DETAILS.
- 6.4 REFER TO CONCRETE SECTION FOR MINIMUM COMPRESSIVE STRENGTH AND AIR-ENTRAINMENT REQUIREMENTS.

6.5 FINISHING WILL BE MEDIUM BROOM.

- 6.6 CONTROL JOINTS (SAW-CUTS) TO BE LOCATED IN EACH DIRECTION, AT REGULAR INTERVALS, WITH A MAXIMUM DISTANCE OF 3 METERS (10 FEET). SHALL BE MINIMUM 3 MM (1/8") WIDE AND SHALL PENETRATE THE SLAB TO A MINIMUM DEPTH OF 1/3 OF THE THICKNESS OF THE SLAB. CONTROL JOINTS SHOULD BE DONE AS SOON AS POSSIBLE WITHOUT DAMAGING THE CONCRETE, BUT NO LATER THAN 18 HOURS AFTER POURING.

- 6.7 WHEN POSSIBLE AND TO AVOID SHRINKAGE CRACKING, HUMIDITY SHALL BE MAINTAINED FOR 7 DAYS DURING THE CURING PERIOD OF THE SLAB. WATER AND USE POLYETHYLENE CLOTH OR BAG. THE CONCRETE MUST DRY UNIFORMLY.

7 CONCRETE WORK IN COLD OR HOT WEATHER (MINIMUM REQUIREMENTS)

- 7.1 COLD WEATHER REQUIREMENTS APPLY WHEN THE MEAN AIR IS LESS THAN 5 DEGREES CELSIUS (40 DEGREES FAHRENHEIT).
- 7.2 GENERAL REQUIREMENTS FOR COLD WEATHER CONCRETE WORK SHALL BE AS PER ACI 306R-88; OR AS PER THE NBC'S LATEST REQUIREMENTS INCLUDING THE LATEST ISSUE OF CSA STANDARD CAN3-A23.1.
- 7.3 ALL SNOW AND ICE SHALL BE REMOVED FROM FORMS AND REBAR WITH STEAM AND COMPRESSED AIR BEFORE POURING. DO NOT USE DE-ICING SALT (CALCIUM CHLORIDE) OR ANY OTHER SALTS UNDER ANY CIRCUMSTANCES.
- 7.4 CONCRETE SHALL HAVE A MINIMUM TEMPERATURE OF 20 DEGREES CELSIUS AND A MAXIMUM TEMPERATURE OF 25 DEGREES CELSIUS WHILE POURING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THESE REQUIREMENTS ARE SATISFIED. ANY CONCRETE THAT DOES NOT CONFORM MUST BE REJECTED.
- 7.5 THE SURFACE OF POURED CONCRETE SHALL BE PROTECTED BY MEANS OF SUITABLE COVERINGS AND INSULATION (TO BE DETERMINED BY TEMPERATURE) DURING THE CURING PROCESS.
- 7.6 GENERAL REQUIREMENTS FOR HOT WEATHER CONCRETE WORK SHALL BE AS PER ACI 305R-99; OR AS PER LOCAL CODE REQUIREMENTS.

8 PIPING

- 8.1 WDS CONFIGURATION ARE SCHEMATIC AND MAY BE MOVED OR ADJUSTED ON SITE BY VORTEX CERTIFIED INSTALLER TO ADJUST FOR SITE CONDITIONS
- 8.2 ANY REQUIRED WATER METER ON THE CITY WATER MAIN SHALL BE PROVIDED BY INSTALLER. BACKFLOW PREVENTER AND PRESSURE REGULATOR WILL BE PROVIDED BY VORTEX.
- 8.3 ALL PIPE LINES TO FEATURES TO HAVE A 1% MINIMUM RECOMMENDED SLOPE FOR PROPER WINTERIZATION.
- 8.4 ALL LINE SIZING (FEATURE CONNECTION TABLE) ASSUMES A MAXIMUM DISTANCE OF 100 FEET BETWEEN THE WATER DISTRIBUTION MANIFOLD AND THE FURTHEST PLAY PRODUCT. DISTANCES ABOVE 100 FEET MAY REQUIRE AN INCREASE IN LINE SIZING. PLEASE CONTACT VORTEX.
- 8.5 QUANTITY AND LOCATION OF DRAINS BASED ON MAXIMUM FLOW FOR THE INDICATED PIPE DIAMETER AT 1% SLOPE. MODIFICATIONS MAY BE REQUIRED DUE TO SPECIFIC SITE CONDITIONS AND LOCAL CODE.

- 8.6 PRESSURE LINES ARE RECOMMENDED TO BE SCHEDULE 80 PVC OR PEX, AND NON-PRESSURE LINES TO BE SCHEDULE 40, UNLESS OTHERWISE REQUESTED BY LOCAL CODE.
- 8.7 DRAINAGE LINES ARE RECOMMENDED TO BE SDR 35, UNLESS OTHERWISE REQUESTED BY LOCAL CODE.
- 8.8 PIPING SHOULD BE INSPECTED AFTER TRANSPORTATION FOR CUTS, SCRATCHES, GOUGES OR SPLITS; DAMAGED SECTIONS MUST BE DISCARDED OR CUT OUT.
- 8.9 PIPE SHALL BE INSTALLED BELOW THE FROST LEVEL NOT LESS THAN 12" (ASTM F-645) UNLESS OTHERWISE REQUESTED BY LOCAL CODE.
- 8.10 PIPE INSTALLATION MINIMUM COVER SHOULD BE EVALUATED ACCORDING TO ASTM D-2774, UNLESS OTHERWISE REQUESTED BY LOCAL CODE.
- 8.11 SPECIAL CONSIDERATIONS SHOULD BE TAKEN FOR THERMAL CONDITIONS, EXPANSION AND CONTRACTIONS DUE TO TEMPERATURE SHOULD BE EVALUATED BEFORE THE INSTALLATION BY THE CONTRACTOR.
- 8.12 VALVE NUMBER 1 IS LOCATED TO THE LEFT OF THE MANIFOLD FACING THE SOLENOID.
- 8.13 MINIMUM 50 PSI REQUIRED AT THE INLET OF THE BACKFLOW PREVENTER AND PRESSURE REGULATING DEVICE.
- 8.14 MAXIMUM FLOW CAPACITY OF MANIFOLD IS 72 GPM.
- 8.15 TOTAL FLOW OF FEATURE IS 50 GPM.
- 8.16 FACTORY MAXIMUM SEQUENCING FLOW IS 50 GPM ACTUAL FLOW MAY VARY DUE TO SITE CONDITIONS.

9 ELECTRICAL

- 9.1 EQUIPMENT BONDING; FEATURES SHALL BE CONNECTED TO AN EQUIPOTENTIAL BONDING GRID WITH A SOLID RIGID COPPER CONDUCTOR, THE MINIMUM SIZE OF BONDING CONDUCTORS NOT BE SMALLER THAN #6 AMERICAN WIRE GAUGE (AWG) (16mm²) COPPER. BOND TO ALL METALLIC PARTS LOCATED IN THE SPLASHPAD/POOL AND TO THE REBAR, TO RUN CONTINUOUS TO THE WATER PUMP AND ELECTRICAL SUPPLY PANELS. SEE ELEVATION INSTALLATION DRAWING FOR BONDING DETAILS (BY INSTALLER).SPRAYLINKS FEATURE DO NOT REQUIRE BONDING.
- 9.2 GRID STRUCTURE; THE EQUIPOTENTIAL BONDING GRID SHALL COVER THE CONTOUR OF THE WATER BODY AREA AND ANY DECK EXTENDING 3FT (1m). HORIZONTALLY FROM THE INSIDE WALLS OF THE SPLASHPAD/WATER BODY. THE EQUIPOTENTIAL BONDING GRID SHALL BE ARRANGED IN A 12 IN (300mm). BY 12 IN (300mm). NETWORK OF CONDUCTORS IN A UNIFORMLY SPACED PERPENDICULAR GRID PATTERN WITH TOLERANCE OF 4 IN (100mm). A J-JUNCTION BOND CLAMP (DIRECT BURIAL CERTIFIED) CLAMPED TO A REBAR WITH WIRE LOOPED THROUGH CONNECTOR AND CLAMPED TO STEEL AND TO THE SPLASHPAD/POOL PUMP WATER
- 9.3 ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED; THE FOLLOWING EQUIPMENT SHALL BE GROUNDED. ALL ELECTRICAL EQUIPMENT LOCATED WITHIN 5FT (1.5 m) OF THE INSIDE WALL OF THE SPECIFIED BODY OF WATER." THIS EQUIPMENT ALSO INCLUDES (BUT NOT LIMITED TO): FEATURES, ELEVATIONS, DRAIN, REBAR, WATER INLET, SKIMMER, LADDER, SLIDES, DIVING STRUCTURE, UNDERWATER LIGHTING, JUNCTION BOXES, AND WATER CIRCULATING/HEATING EQUIPMENT. ALL BONDING AND GROUNDING MUST COMPLY WITH NEC, CEC, AND LOCAL CODES.

- 9.4 ALTERNATE MEANS; WHERE STRUCTURAL REINFORCING STEEL IS NOT AVAILABLE OR IS ENCAPSULATED IN A NONCONDUCTIVE COMPOUND, A COPPER CONDUCTOR(S) SHALL BE UTILIZED WHERE THE FOLLOWING REQUIREMENTS ARE MET: (1) AT LEAST ONE MINIMUM 6 AWG BARE SOLID COPPER CONDUCTOR SHALL BE PROVIDED. (2) THE CONDUCTORS SHALL FOLLOW THE CONTOUR OF THE PERIMETER SURFACE. (3) ONLY LISTED SPLICES SHALL BE PERMITTED. (4) THE REQUIRED CONDUCTOR SHALL BE 450 TO 18 TO 24 IN (600mm) FROM THE INSIDE WALLS OF THE POOL. (5) THE REQUIRED CONDUCTOR SHALL BE SECURED WITHIN OR UNDER THE PERIMETER SURFACE (4 IN TO 6 IN (100mm TO 150mm). BELOW THE SUBGRADE.
- 9.5 SPLASHPAD/POOL WATER; WHERE NONE OF THE BONDED PARTS IS IN DIRECT CONNECTION WITH THE POOL WATER, THE POOL WATER SHALL BE IN DIRECT CONTACT WITH AN APPROVED CORROSION-RESISTANT CONDUCTIVE SURFACE THAT EXPOSED NOT LESS THAN 9 IN.2 (5800mm²) OF SURFACE AREA TO THE POOL WATER AT ALL TIMES. THE CONDUCTIVE SURFACE SHALL BE LOCATED WHERE IT IS NOT EXPOSED TO PHYSICAL DAMAGE OR DISLODGEMENT DURING USUAL POOL ACTIVITIES, AND IT SHALL BE BONDED IN ACCORDANCE WITH NEC, CEC, AND LOCAL CODES.

- 9.6 WIRING FROM THE CONTROLLER TO EACH ACTIVATOR SHALL BE #22 AWG. A TOTAL OF TWO (2) CONDUCTORS PER ACTIVATOR.CABLE LENGTH UP TO 300' (100m), PROVIDED BY INSTALLER.

- 9.7 ALL CONNECTIONS TO THE CONTROLLER AND OTHER VORTEX ELECTRICAL PANEL SHALL BE PERFORMED USING AN APPROVED NEMA 4X CONNECTOR.

- 9.8 WIRE FROM MAIN POWER TO VORTEX PANEL TO BE DETERMINED BY OTHERS RESPECTING THE LOCAL CODE.

- 9.9 MAINTAIN A MINIMUM CLEARANCE ZONE OF 36" IN FRONT OF ELECTRICAL PANEL, UNLESS OTHERWISE REQUESTED BY LOCAL CODE.

- 9.10 AS PER ELECTRICAL CONSTRUCTION AND SAFETY CODES: CONTROLLER AND ANY OTHER ELECTRICAL ENCLOSURES MUST BE HARD-WIRED TO A GROUND FAULT CIRCUIT INTERRUPTER (GFCI) FROM THE INPUT POWER SOURCE.

- 9.11 ALL ELECTRICAL WORK SHOULD BE PERFORMED BY A LICENCE ELECTRICIAN IN ACCORDANCE TO LOCAL ELECTRICAL CONSTRUCTION AND SAFETY CODES.

- 9.12 THE MAESTROPRO CONTROL PANEL IS POWERED THROUGH A MAESTROPRO POWER BOX.

- 9.13 THE POWER CABLE TO MAESTROPRO POWER BOX IS SUPPLIED BY INSTALLER.

- 9.14 THE MAESTROPRO CONTROL PANEL INTEGRATES 24 DIGITAL OUTPUTS WITH 24 VAC AND 12 DIGITAL INPUTS.

- 9.15 FOR REMOTE ACCESS ABILITY, A HARD CONNECTION TO AN EXISTING NETWORK IS REQUIRED USING A CAT 5 CABLE OR A CELLULAR NANO-SIM CARD WITH DATA-PLAN.

- 9.16 ALL WIRES AND CABLES SHALL BE BRAND NEW AND APPROVED ACCORDING TO LOCAL CODE.

- 9.17 CABLE SPECIFICATION GIVEN BY VORTEX MUST BE RESPECTED (REFER TO INSTALLATION DRAWING)

- 9.18 FAILURE TO FOLLOW THE RECOMMENDED WIRE GAUGE SPECIFICATIONS MIGHT LEAD TO SERVICE FAILURES AND/OR CABLE DAMAGE.

- 9.19 CABLE LENGTH FOR LEDs IS CALCULATED ON ESTIMATION BASED ON HORIZONTAL PLANE ONLY. FINAL LENGTH MUST BE VALIDATED PRIOR TO INSTALLATION BY THE INSTALLER.



VORTEX AQUATIC STRUCTURES INTERNATIONAL

VORTEX USA Inc.
3500 South Dupont Highway, Suite EP-101
Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE IDEAS, RENDERINGS AND OTHER CONTENTS CONTAINED THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF VORTEX USA Inc.

Rantoul Plaza Splashpad

Drawing #	Drawing Name	Rev #
A-001	Spray Zone Layout	00
A-002	Site Layout	00
A-003	Anchor Plan	00
A-004	Anchor Plan	00
C-001	Embed Details	00
C-002	Embed Details	00
C-003	Slab on Grade	00
P-001	Plumbing Layout	01
P-002	Plumbing Layout	01
PD-001	Plumbing Details	00
E-001	Electrical Layout	01
E-002	Bonding Layout	01
ED-001	Electrical Details	00

Abbreviations

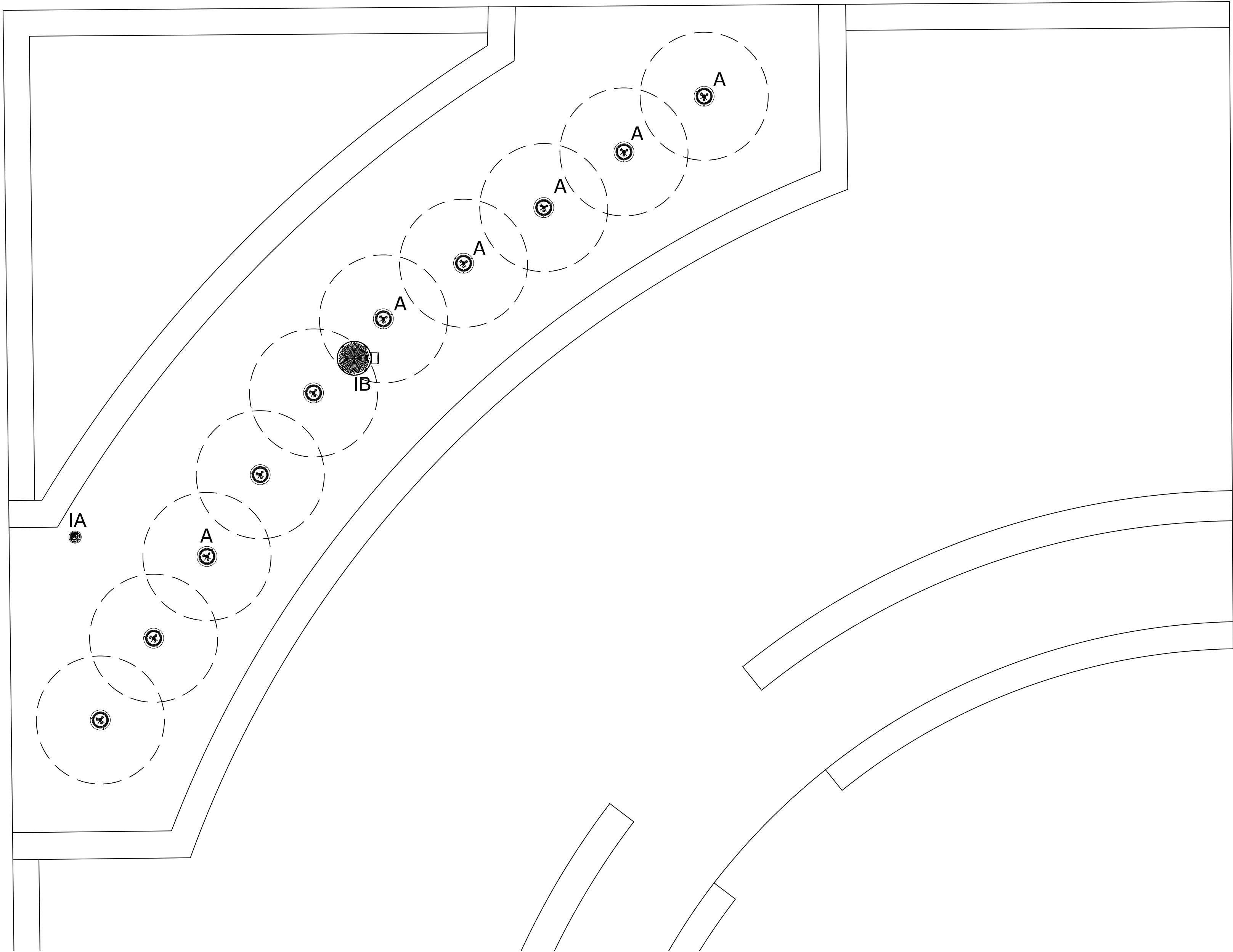
A	Architectural
C	Civil Work
P	Plumbing Layout
PD	Plumbing Details
E	Electrical Layout
ED	Electrical Details
FT	Feature Drawings

Ref	Product	Qty
A	CoreoPlay Sunset VOR 7060	2
IA	Activator N°4 VOR 0622	1
IB	Playsafe Drain N°4 VOR 1004	1



VORTEX USA Inc.
3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE IDEAS, RENDERINGS AND OTHER CONTENTS CONTAINED THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF VORTEX USA Inc.



1
A-001

SPRAY ZONE & FEATURE PLAN

- 1. 5'[1.5M] SPRAY FREE AREA ALL AROUND THE SPLASHPAD
- 2. RECOMMENDED SLOPE: 1-2% TOWARDS DRAINAGE.
- 3. COORDINATE THESE DRAWINGS WITH ARCHITECTURAL , CIVIL, PLUMBING & ELECTRICAL SECTIONS.

Rantoul Plaza Splashpad

Project Location			
US			
Project Number			
42693			
Version			
VA			
31/Jan/2025	Issued for Approval	00	OD
Date	Revision Description	No.	By
Drawing Title			
Spray Zone Layout			
Drawn by		Verified by	
OD		DS	
Scale		Date	
1/4"= 1'-0"		31/Jan/2025	
Page #			
A-001			



COPYRIGHT VORTEX USA Inc.-THIS DOCUMENT AND THE
DEAS, RENDERINGS AND OTHER CONTENTS CONTAINED
THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND
MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR
OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF
VORTEX USA Inc.

Project Location	
US	

Project Number
42693

Version
VA

[illegible]

1/Jan/2025	Issued for Approval	00	OD
Date	Revision Description	No.	By

Drawing Title

Site Layout

Drawn by	Verified by
OD	DS

Scale	Date
1/4" = 1'-0"	31/Jan/2025

Page #
A-002



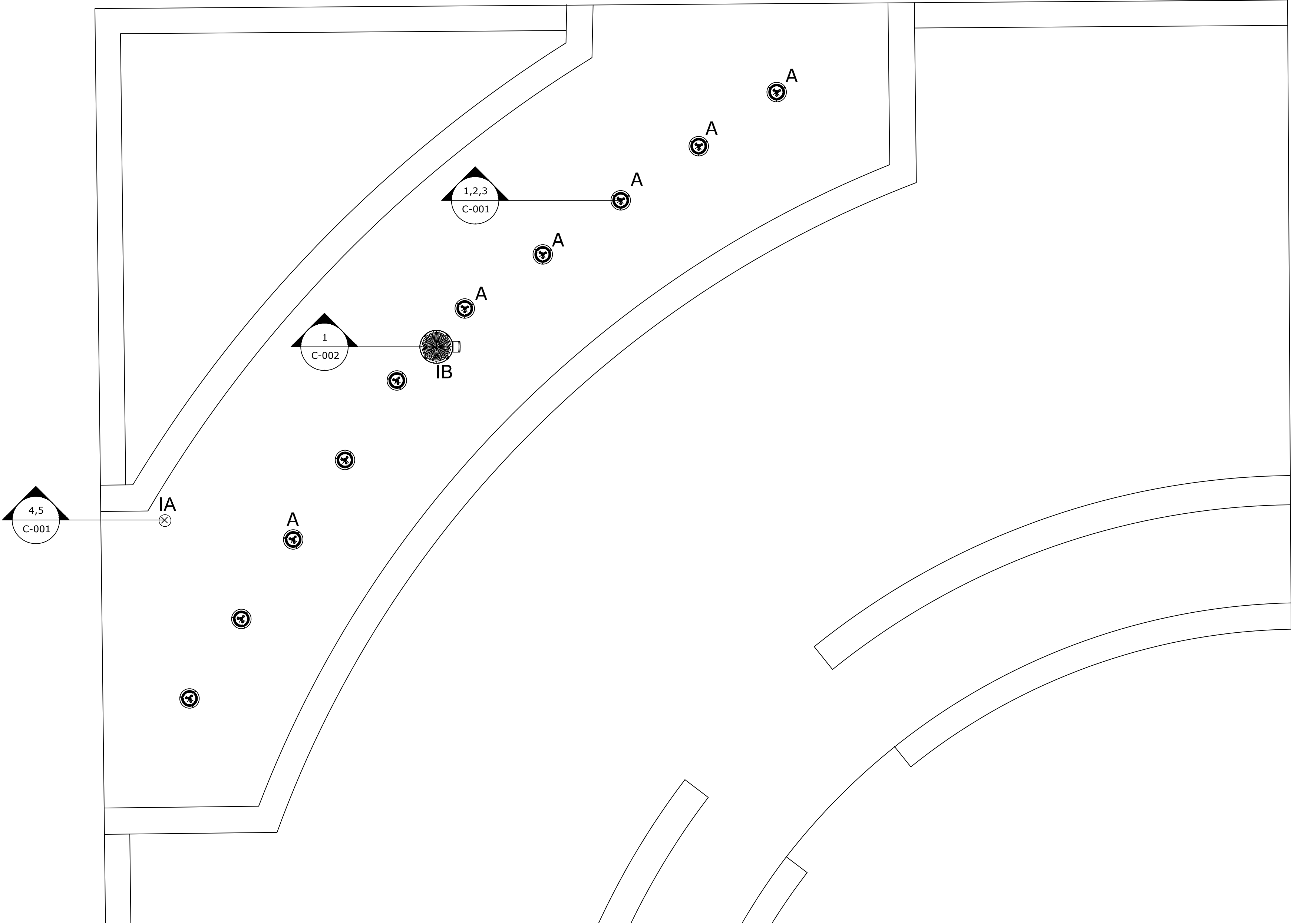
Ref	Product	Qty
A	CoreoPlay Sunset VOR 7060	2
IA	Activator N°4 VOR 0622	1
IB	Playsafe Drain N°4 VOR 1004	1



VORTEX USA Inc.
3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE IDEAS, RENDERINGS AND OTHER CONTENTS CONTAINED THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF VORTEX USA Inc.

Rantoul Plaza Splashpad



1
A-003

ANCHOR PLAN
1. REFER TO SPECIFICATIONS ON COVER PAGE
2. COORDINATE THESE DRAWINGS WITH
ARCHITECTURAL, CIVIL, PLUMBING & ELECTRICAL SECTIONS.

Project Location
US

Project Number
42693

Version
VA

31/Jan/2025	Issued for Approval	00	OD
Date	Revision Description	No.	By

Drawing Title
Anchor Plan

Drawn by OD	Verified by DS
----------------	-------------------

Scale 1/4"= 1'-0"	Date 31/Jan/2025
----------------------	---------------------

Page #
A-003

Ref	Product	Qty
A	CoreoPlay Sunset VOR 7060	2
IA	Activator N°4 VOR 0622	1
IB	Playsafe Drain N°4 VOR 1004	1



VORTEX USA Inc.
3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE IDEAS, RENDERINGS AND OTHER CONTENTS CONTAINED THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF VORTEX USA Inc.

Rantoul Plaza Splashpad

Project Location
US

Project Number
42693

Version
VA

31/Jan/2025	Issued for Approval	00	OD
Date	Revision Description	No.	By

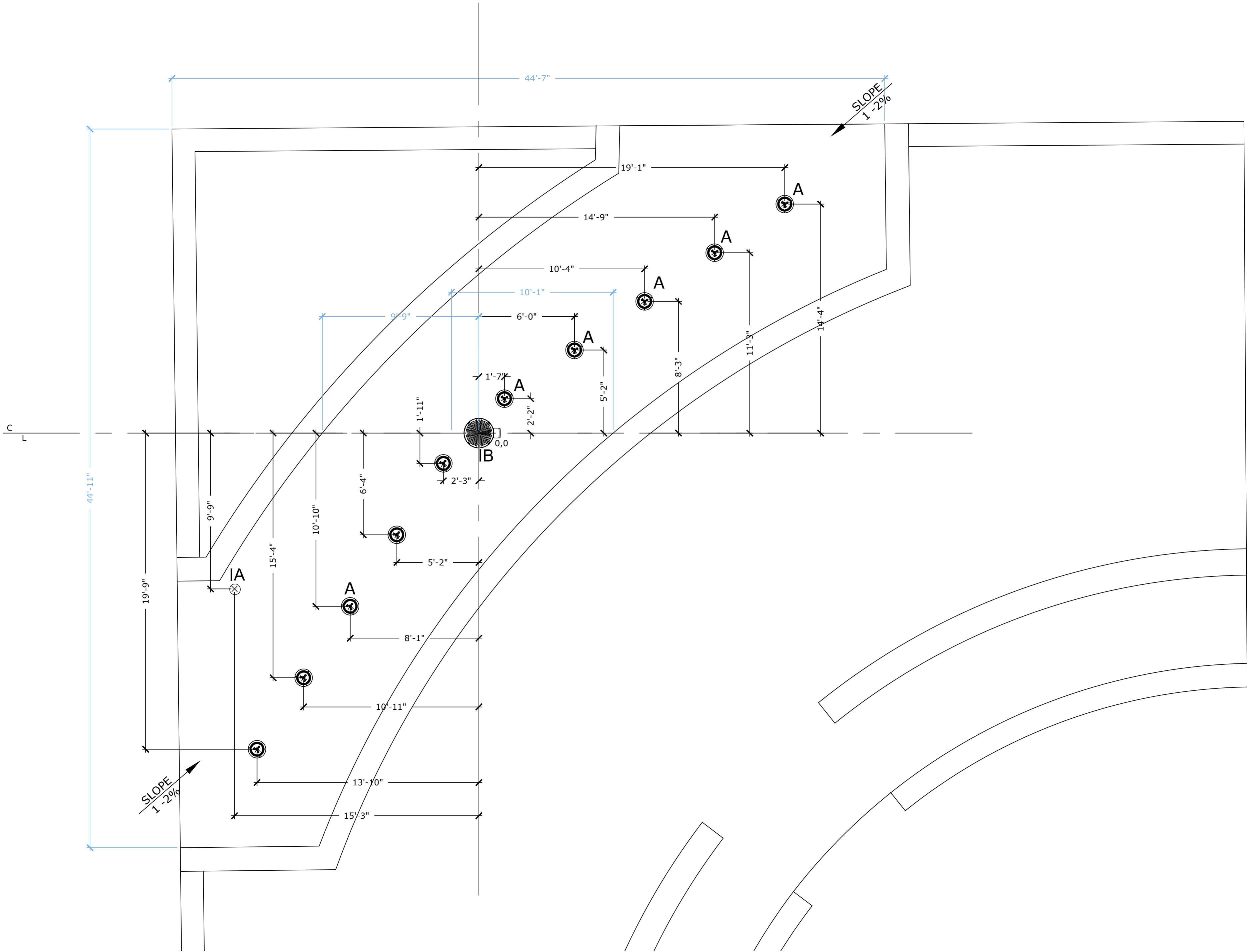
Drawing Title

Anchor Plan

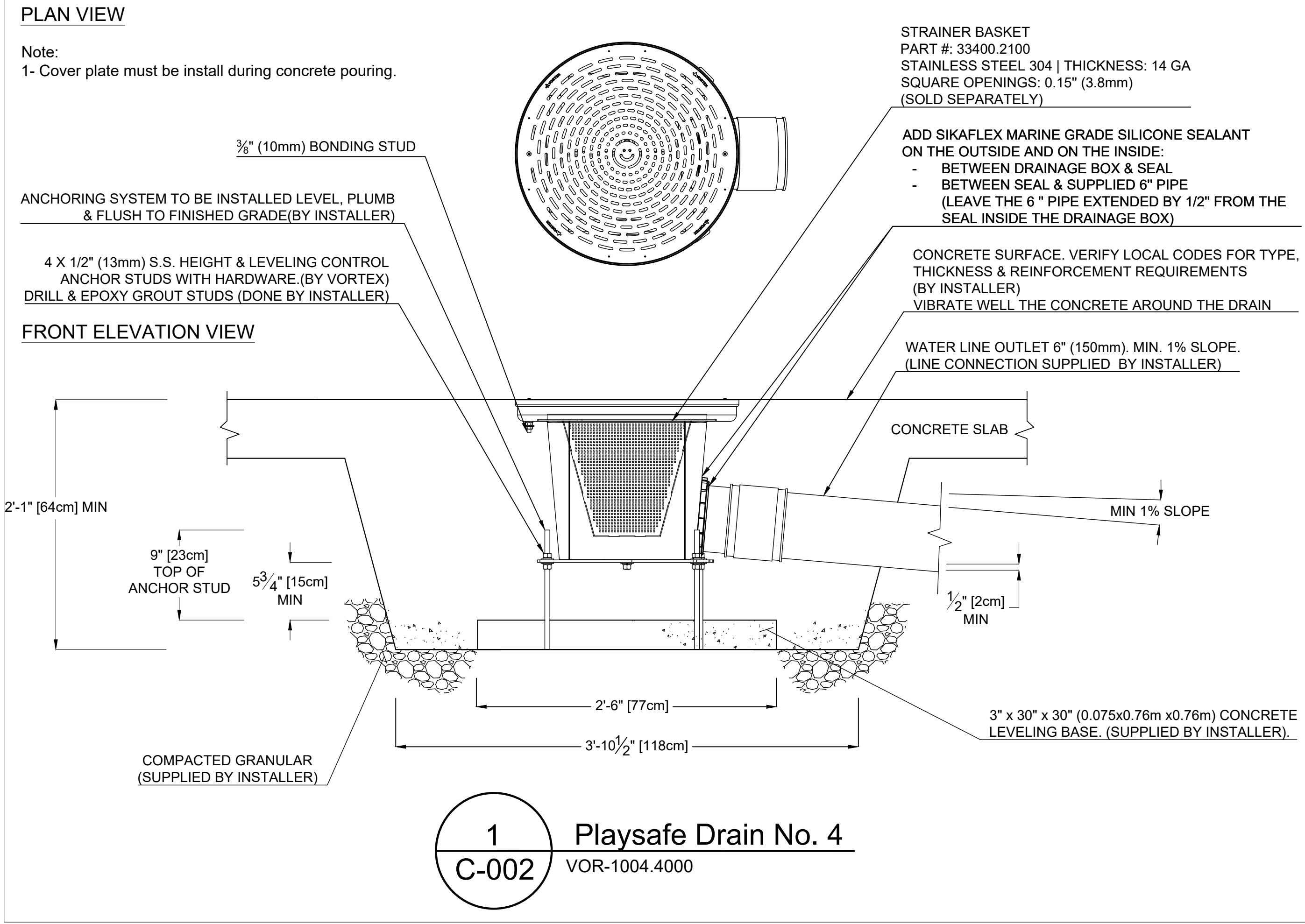
Drawn by OD	Verified by DS
----------------	-------------------

Scale 1/4"= 1'-0"	Date 31/Jan/2025
----------------------	---------------------

Page # A-004



1 ANCHOR PLAN
A-004



VORTEX USA Inc.
3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE IDEAS, RENDERINGS AND OTHER CONTENTS CONTAINED THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF VORTEX USA Inc.

Rantoul Plaza Splashpad

Project Location
US

Project Number
42693

Version
VA

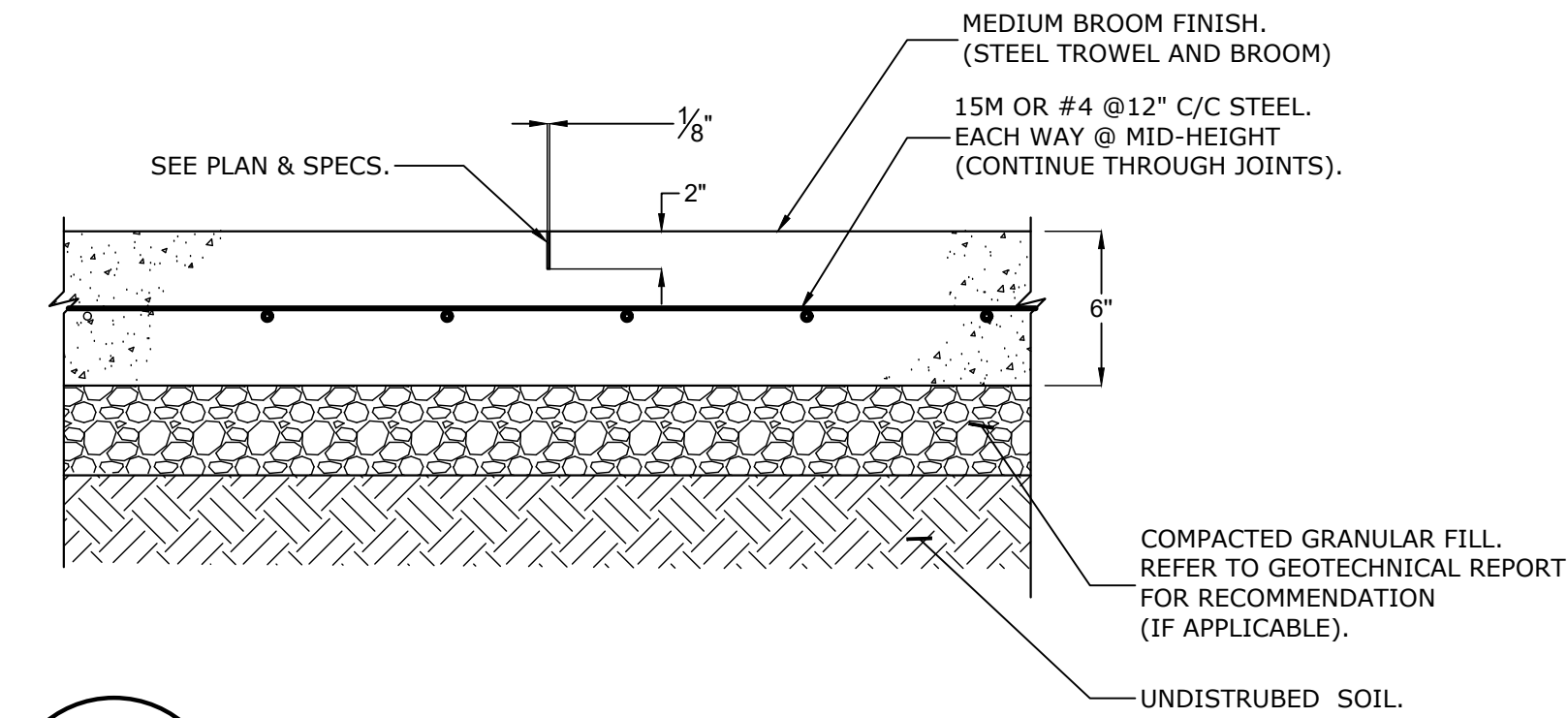
31/Jan/2025	Issued for Approval	00	OD
Date	Revision Description	No.	By

Drawing Title

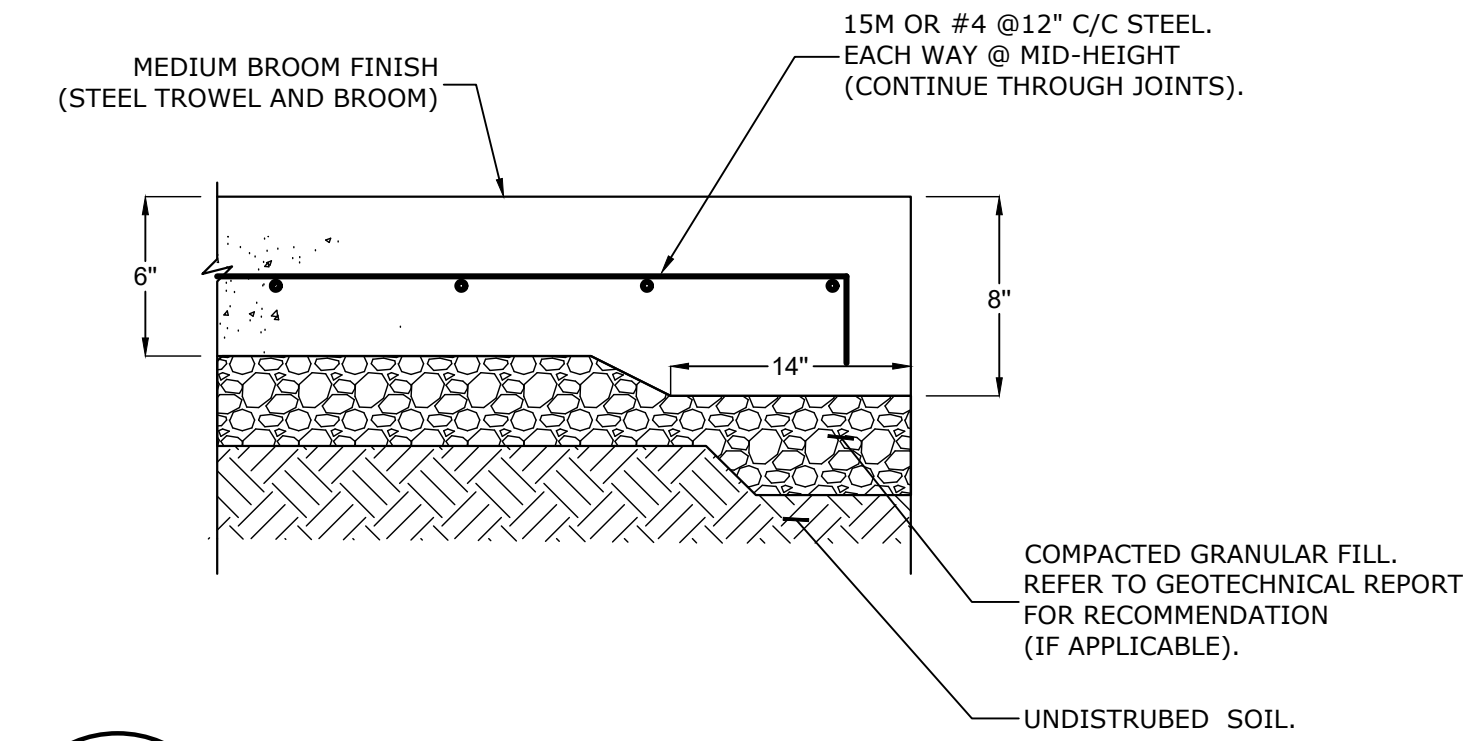
Embed Details

Drawn by OD	Verified by DS
Scale	Date 31/Jan/2025

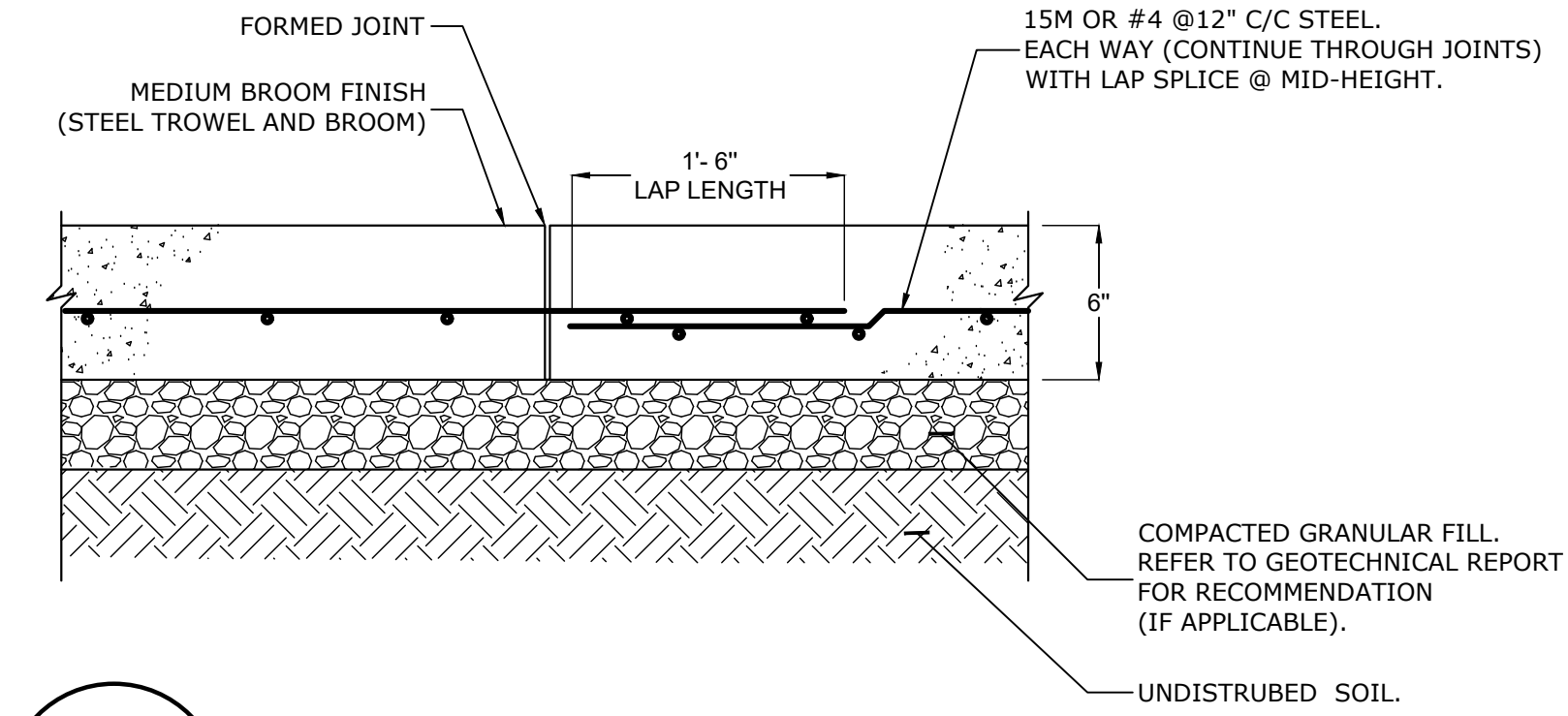
Page #
C-002



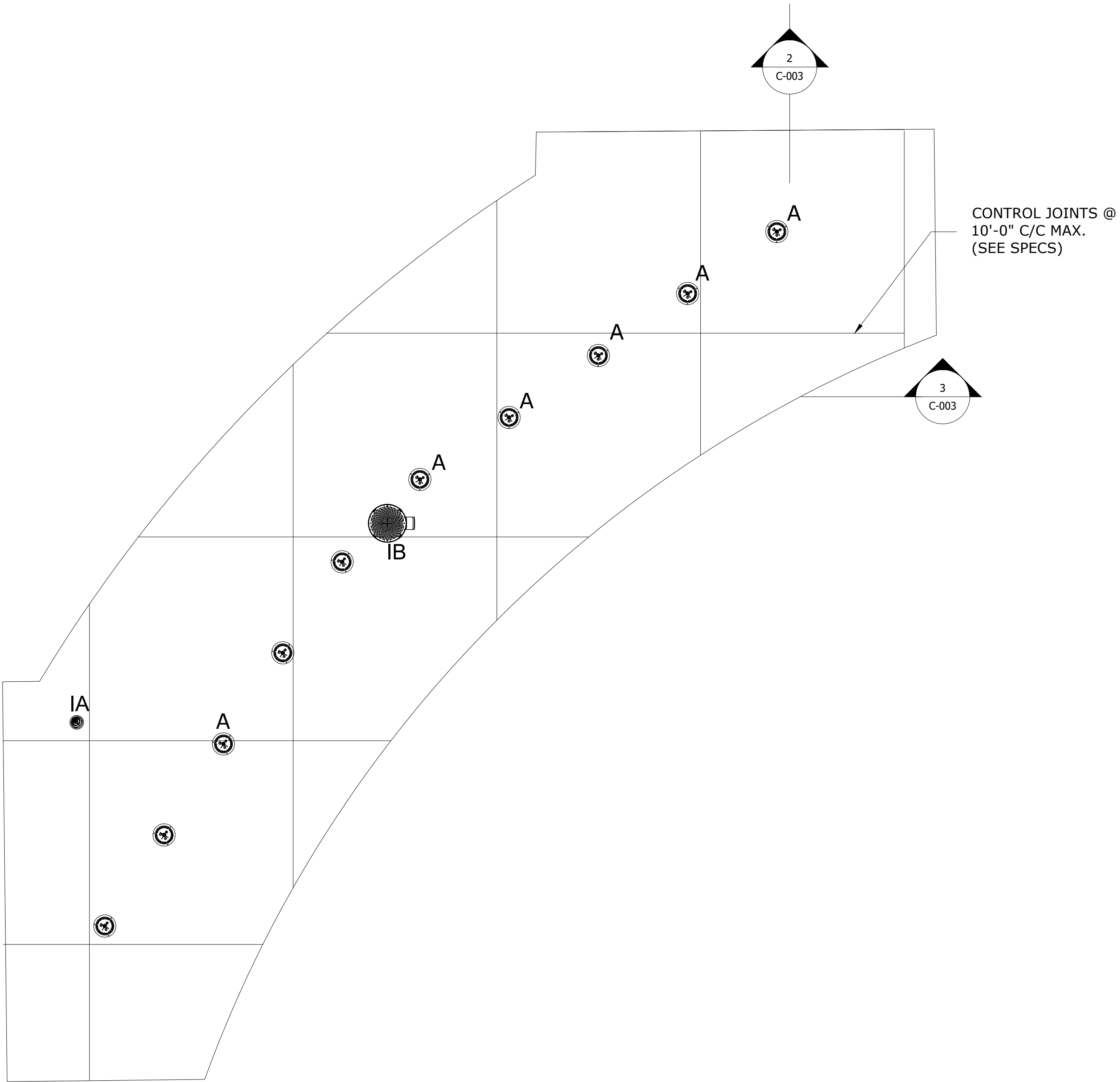
2 Control Joint TYP.
C-003



3 Slab Edge TYP.
C-003



4 Construction Joint TYP.
C-003



1 SLAB ON GRADE
C-003

1. REFER TO GENERAL SPECIFICATIONS ON COVER PAGE.
2. MINIMUM CONCRETE STRENGTH SEE SPECS.
3. MEDIUM BROOM FINISH.
4. RECOMMENDED SLOPE: 1-2% TOWARDS DRAINAGE.
5. COORDINATE THESE DRAWINGS WITH ARCHITECTURAL , CIVIL, PLUMBING & ELECTRICAL SECTIONS.



VORTEX USA Inc.
3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE IDEAS, RENDERINGS AND OTHER CONTENTS CONTAINED THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF VORTEX USA Inc.

Rantoul Plaza Splashpad

Project Location
US

Project Number
42693

Version
VA

31/Jan/2025	Issued for Approval	00	OD
Date	Revision Description	No.	By

Drawing Title
Slab On Grade

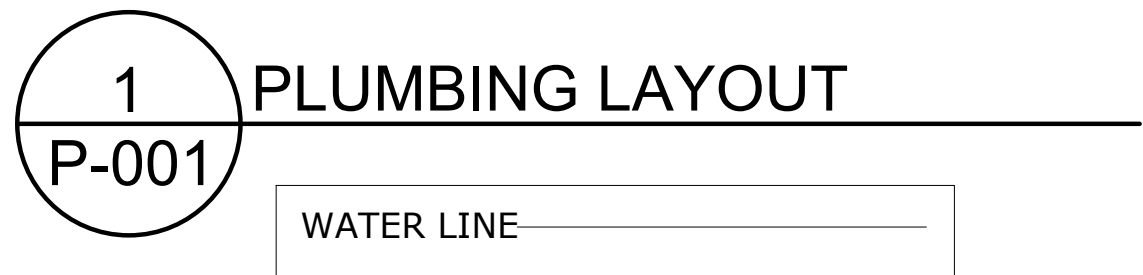
Drawn by
OD

Verified by
DS

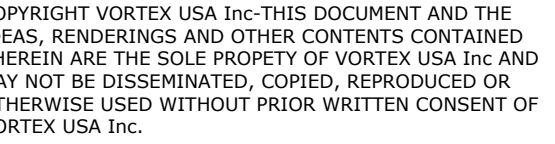
Scale
1/4"= 1'-0"

Date
31/Jan/2025

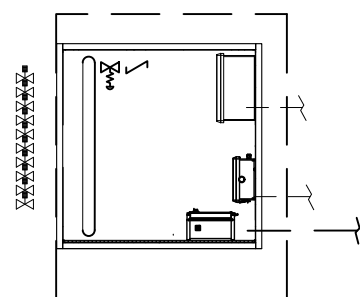
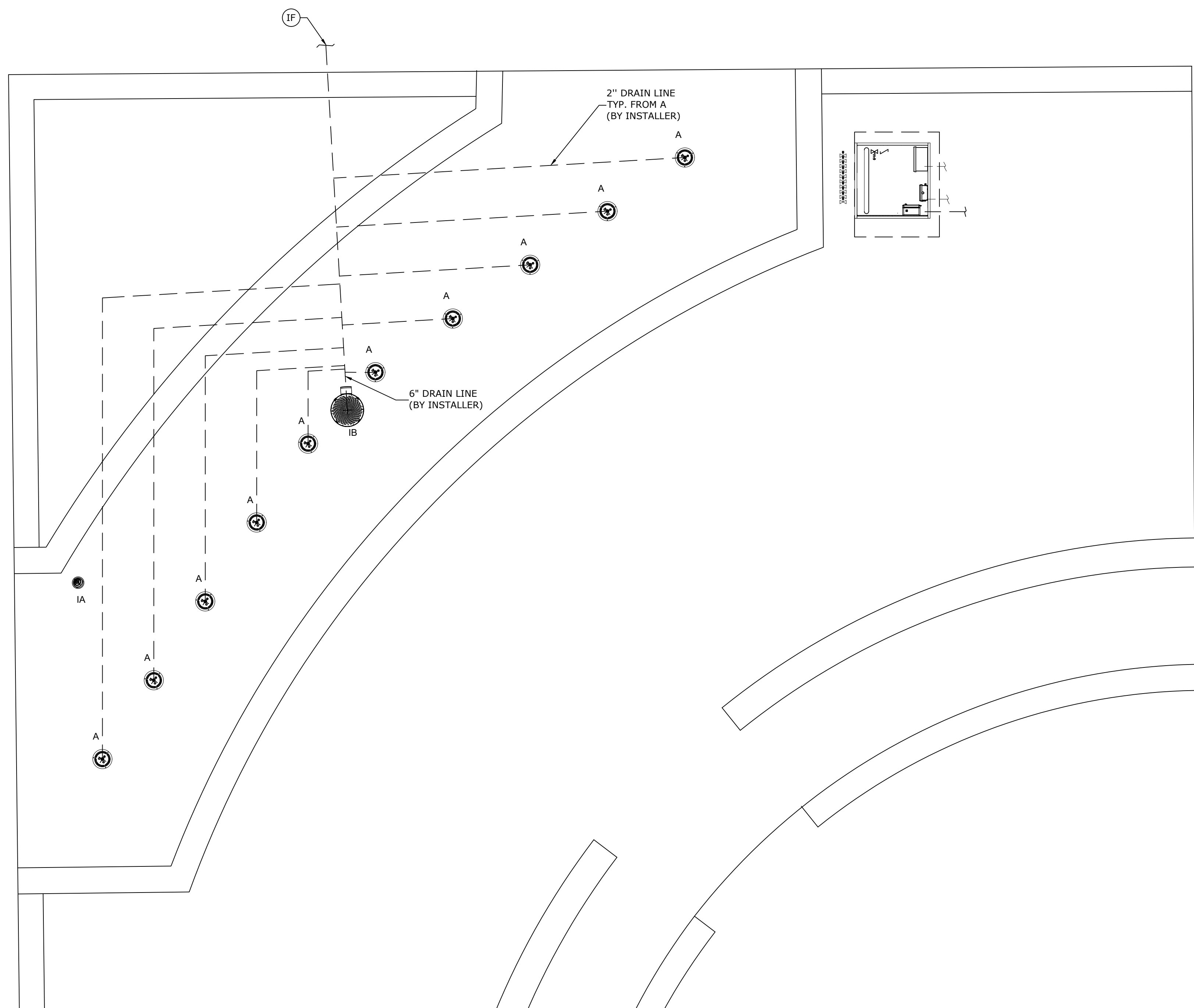
Page #
C-003



Product Legend		
Product Ref.	Product	Qty
IA	Activator No.4 VOR 0622	1
IB	Playsafe Drain No4 VOR 1004	1
IC	Water Distribution System; Vault Command Center 42693D2408R02	1
ID1	MaestroPRO Controller 24 out/12 in VOR- 33907.3200	1
ID2	MaestroPRO Power Box VOR- 33907.3200	1
IE	2" City Water Line (by Installer)	1
IF	6" Drain to Municipal Drain (by Installer)	1
IG	4" TYP Drain Line With Strainer Connected to Drainage System. Ensure P-Trap is Below Frost Line to Prevent Freezing. (by Installer)	1
IH	Lumiflow Power Pack VOR-33908.4030	1
	2" Pressure Regulator (by Vortex)	1
	2" Backflow Preventer (by Vortex)	1
	1" Solenoid Valve with Ball Valve and Union (by Vortex)	10



ge #
P-001



1 DRAINAGE LAYOUT

P-002

Product Legend		
Product Ref.	Product	Qty
IF	6" Drain to Municipal Drain (by Installer)	1



VORTEX USA Inc.
3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE
DEAS, RENDERINGS AND OTHER CONTENTS CONTAINED
THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND
MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR
OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF
VORTEX USA Inc.

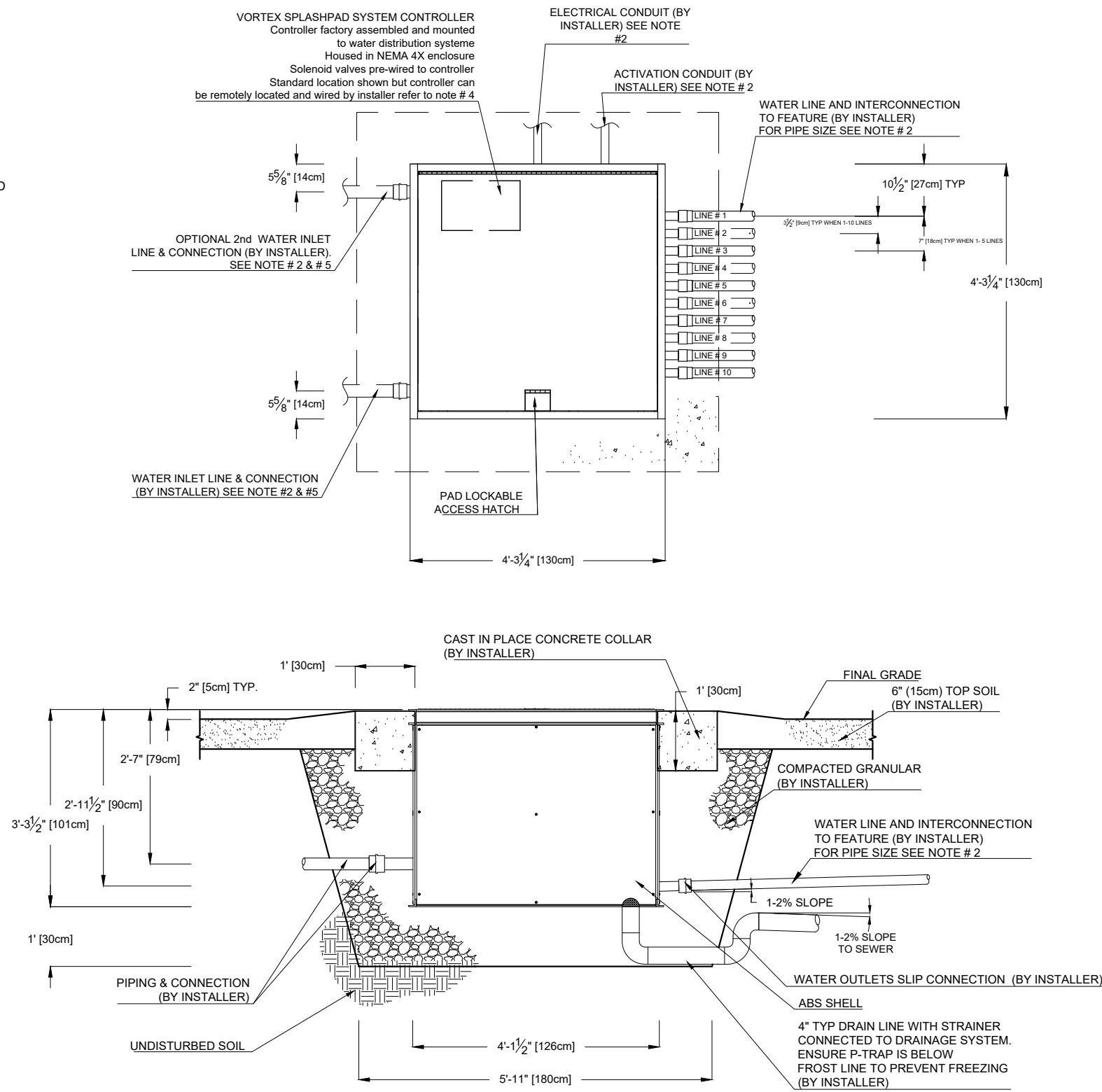
Rantoul Plaza Splashpad

Project Location			
US			
Project Number			
42693			
Version			
VA			
1/Jan/2025	Issued for Construction	01	OD
1/Nov/2024	Issued for Approval	00	BR
Date	Revision Description	No.	By

Drainage Layout

Drawn by OD	Verified by DS
Scale 1/4" = 1'-0"	Date 31/Jan/2025

- NOTE:**
1. A COMMON NEUTRAL MAY BE USED FOR UP TO TEN ELECTRIC VALVES FOR REMOTE LOCATION CONTROLLER.
 2. SEE PIPING AND ELECTRICAL SCHEMATIC DETAIL.
 3. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
 4. IF CONTROLLER IS REMOTE LOCATED, CONDUCTORS # 18 AWG AT 10' LONG PROVIDED FOR THE CONTROLLER AND JUNCTION BOX BY VORTEX. ADDITIONAL CONDUCTORS LENGTH, MIN. #16 AWG, TO BE PROVIDED BY INSTALLER, FOR QUANTITY AND SIZE. SEE PIPING AND ELECTRICAL SCHEMATIC DETAIL. GROUNDING OF JUNCTION BOX DONE BY INSTALLER.
 5. WATER INLET CAN BE 1/2" 1/4" 2/4" OR 2/4". 2" FEMALE NPT CONNECTION OR 3" FEMALE NPT CONNECTION INSIDE COMMAND CENTER IS PROVIDED BY VORTEX.
 6. BY INSTALLER/CONTRACTOR MAY REFER TO SERVICE PROVIDERS OTHER THAN THE EQUIPMENT MANUFACTURER PLEASE REFER TO PROJECT SPECIFICATION FOR DETAILS OF RESPONSIBILITY.



1

PD-001

Vault Command Center
VOR-



VORTEX USA Inc.
3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE IDEAS, RENDERINGS AND OTHER CONTENTS CONTAINED THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF VORTEX USA Inc.

Rantoul Plaza Splashpad

Project Location
US

Project Number
42693

Version
VA

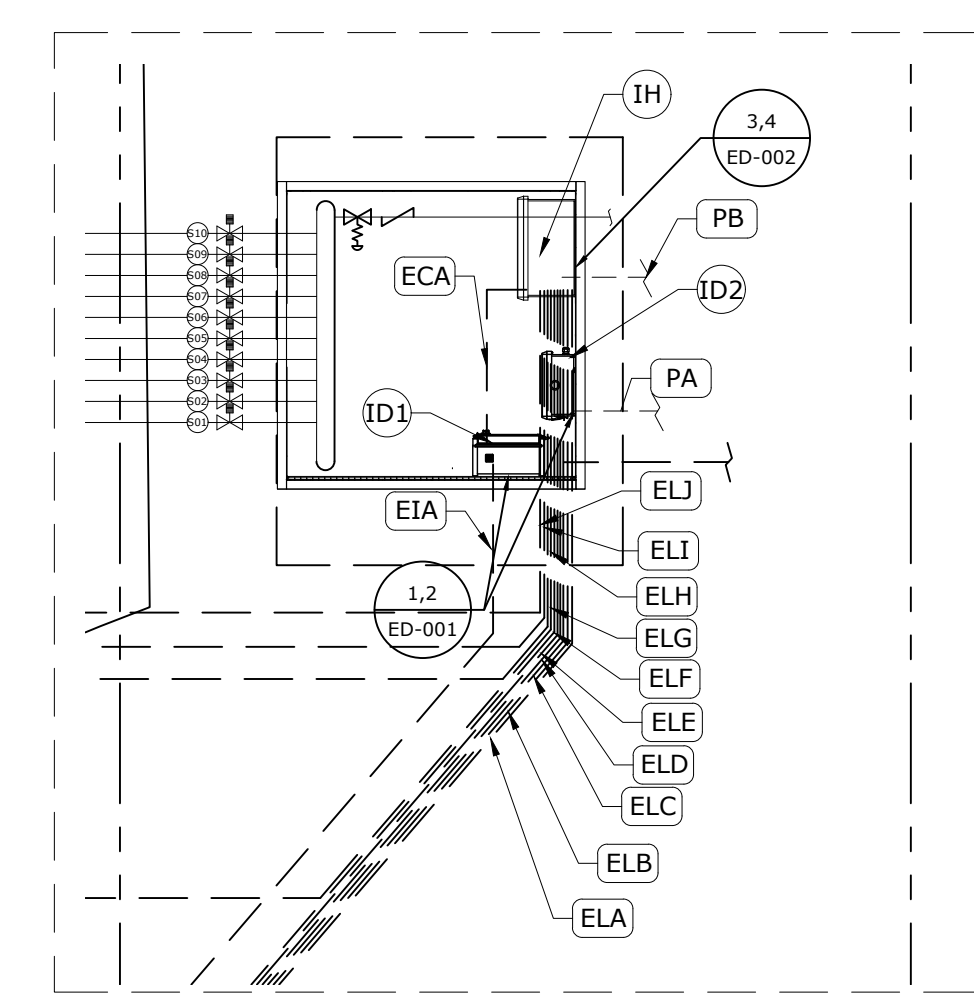
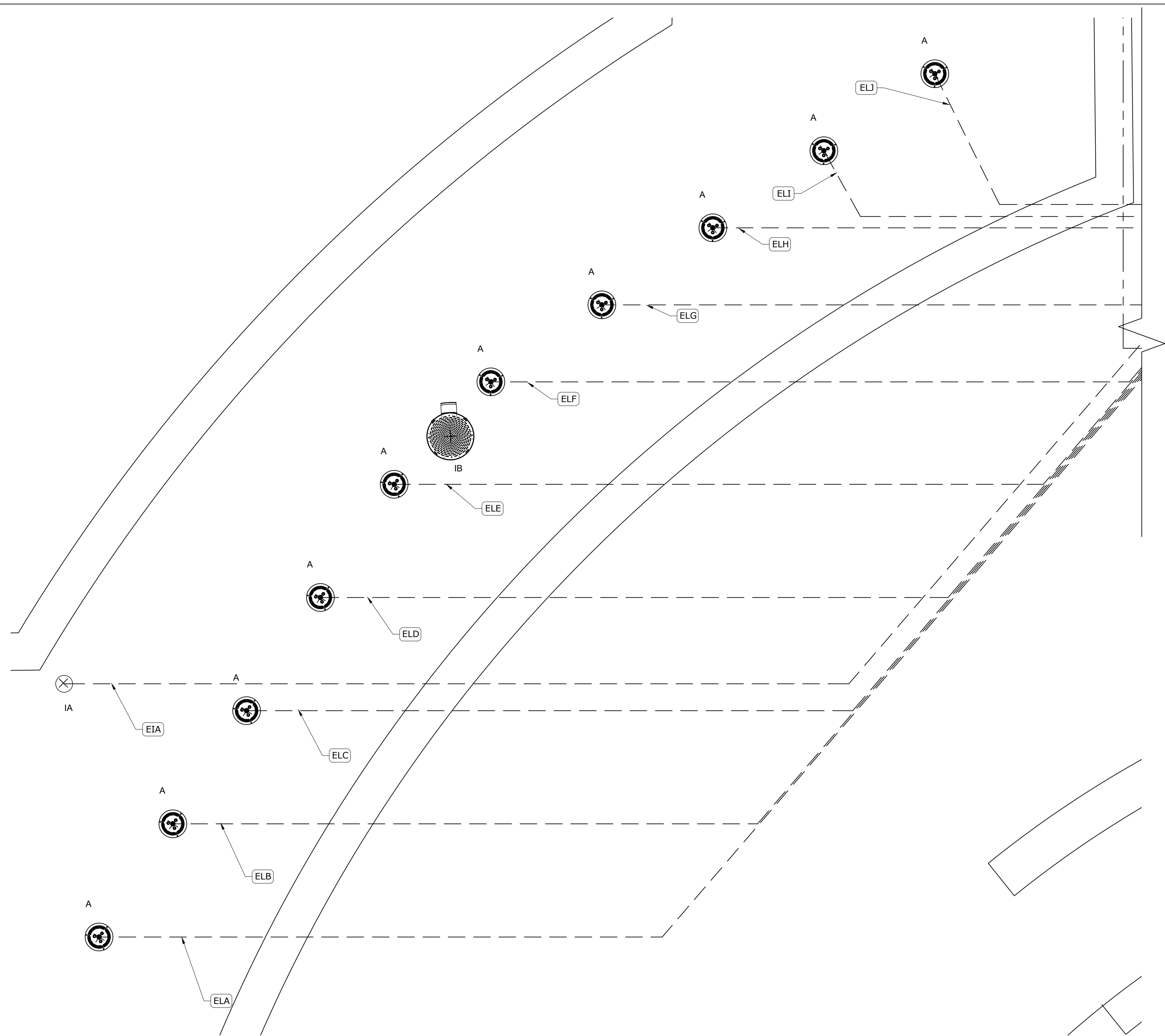
31/Jan/2025	Issued for Approval	00	OD
Date	Revision Description	No.	By

Drawing Title

Plumbing Details

Drawn by OD	Verified by DS
Scale	Date 31/Jan/2025

Page #
PD-001



1 ELECTRICAL LAYOUT

E-001

ELECTRICAL LINE-----

2 ELECTRICAL LAYOUT
E-001 SCALE: 3/8"=1'-0"

Electrical Line Connections Controller Inputs						
Product Code	From		To	# Conductors	Gauge/ Type	Note
EIA	ID1-Input 1		IA	2	22	Activator No 4 24 VDC, Max 345 mA, Max 300' (100m) Long (by Installer)
Electrical Line Connections Power						
Product Code	From		To	# Conductors	Gauge/Type	Note
PA	Main Power Line (by Owner)		ID2-240VAC	3	TBD (by Other)	240V, 1 Phase, 50 Hz, 5 Amps Breaker Recommended ± 5% Voltage Drop is Acceptable
PB	Main Power Line (by Owner)		IH-240VAC	3	TBD (by Other)	240V, 1 Phase, 50 Hz, 5 Amps Breaker Recommended ± 5% Voltage Drop is Acceptable
Ethernet Communication Connections (EC'X')						
Connection Ref.	From		To	# Conductors	Gauge/Type	Note
ECA	ID1		IH	Cable	CAT5	Communication Signal from MaestroPro Controller to Lumiflow Power Pack (by Installer)
Lumiflow and LED Lights Electrical Connections (EL'X')						
Connection Ref.	From	To	Feature/ Light Sync.	# Conductors	Gauge/ Type	Note
ELA	IH	A	S01	5(per LED Line) 2 PWR/12VAC, 2 COM/ DMX, 1GRD	2PWR/4 mm ² , 2COM/0.5 mm ² (Shielded/Twisted), 120 OHM Impedence GRD/1.0 mm ²	Signal from Lumiflow Power Box to Lumiflow, Max 45m Long (by Installer)
ELB	IH	A	S02	5(per LED Line) 2 PWR/12VAC, 2 COM/ DMX, 1GRD	2PWR/4 mm ² , 2COM/0.5 mm ² (Shielded/Twisted), 120 OHM Impedence GRD/1.0 mm ²	Signal from Lumiflow Power Box to Lumiflow, Max 45m Long (by Installer)
ELC	IH	A	S03	5(per LED Line) 2 PWR/12VAC, 2 COM/ DMX, 1GRD	2PWR/4 mm ² , 2COM/0.5 mm ² (Shielded/Twisted), 120 OHM Impedence GRD/1.0 mm ²	Signal from Lumiflow Power Box to Lumiflow, Max 45m Long (by Installer)
ELD	IH	A	S04	5(per LED Line) 2 PWR/12VAC, 2 COM/ DMX, 1GRD	2PWR/4 mm ² , 2COM/0.5 mm ² (Shielded/Twisted), 120 OHM Impedence GRD/1.0 mm ²	Signal from Lumiflow Power Box to Lumiflow, Max 45m Long (by Installer)
ELE	IH	A	S05	5(per LED Line) 2 PWR/12VAC, 2 COM/ DMX, 1GRD	2PWR/4 mm ² , 2COM/0.5 mm ² (Shielded/Twisted), 120 OHM Impedence GRD/1.0 mm ²	Signal from Lumiflow Power Box to Lumiflow, Max 45m Long (by Installer)
ELF	IH	A	S06	5(per LED Line) 2 PWR/12VAC, 2 COM/ DMX, 1GRD	2PWR/4 mm ² , 2COM/0.5 mm ² (Shielded/Twisted), 120 OHM Impedence GRD/1.0 mm ²	Signal from Lumiflow Power Box to Lumiflow, Max 45m Long (by Installer)
ELG	IH	A	S07	5(per LED Line) 2 PWR/12VAC, 2 COM/ DMX, 1GRD	2PWR/4 mm ² , 2COM/0.5 mm ² (Shielded/Twisted), 120 OHM Impedence GRD/1.0 mm ²	Signal from Lumiflow Power Box to Lumiflow, Max 45m Long (by Installer)
ELH	IH	A	S08	5(per LED Line) 2 PWR/12VAC, 2 COM/ DMX, 1GRD	2PWR/4 mm ² , 2COM/0.5 mm ² (Shielded/Twisted), 120 OHM Impedence GRD/1.0 mm ²	Signal from Lumiflow Power Box to Lumiflow, Max 45m Long (by Installer)
ELI	IH	A	S09	5(per LED Line) 2 PWR/12VAC, 2 COM/ DMX, 1GRD	2PWR/4 mm ² , 2COM/0.5 mm ² (Shielded/Twisted), 120 OHM Impedence GRD/1.0 mm ²	Signal from Lumiflow Power Box to Lumiflow, Max 45m Long (by Installer)
ELJ	IH	A	S10	5(per LED Line) 2 PWR/12VAC, 2 COM/ DMX, 1GRD	2PWR/4 mm ² , 2COM/0.5 mm ² (Shielded/Twisted), 120 OHM Impedence GRD/1.0 mm ²	Signal from Lumiflow Power Box to Lumiflow, Max 45m Long (by Installer)

Manifold Output Ref.	Feature Ref.	Feature	Output (ID1)
S01	A	CoreoPlay Sunset VOR 7060	1
S02	A	CoreoPlay Sunset VOR 7060	2
S03	A	CoreoPlay Sunset VOR 7060	3
S04	A	CoreoPlay Sunset VOR 7060	4
S05	A	CoreoPlay Sunset VOR 7060	5
S06	A	CoreoPlay Sunset VOR 7060	6
S07	A	CoreoPlay Sunset VOR 7060	7
S08	A	CoreoPlay Sunset VOR 7060	8
S09	A	CoreoPlay Sunset VOR 7060	9
S10	A	CoreoPlay Sunset VOR 7060	10

Product Legend		
Product Ref.	Product	Qty
IA	Activator No.4 VOR 0622	1
ID1	MaestroPRO Controller 24 out/12 in VOR- 33907.3200	1
ID2	MaestroPRO Power Box VOR- 33907.3200	1
IH	Lumiflow Power Pack VOR-33908.4030	1



VORTEX USA Inc.
3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE
DEAS, RENDERINGS AND OTHER CONTENTS CONTAINED
HEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND
MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR
OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF
VORTEX USA Inc.

Rantoul Plaza Splashpad

Project Location			
US			
Project Number			
42693			
Version			
VA			
3/Jan/2025	Issued for Construction	01	OD
1/Nov/2024	Issued for Approval	00	BR
Date	Revision Description	No.	By

Drawing Title

Electrical Layout

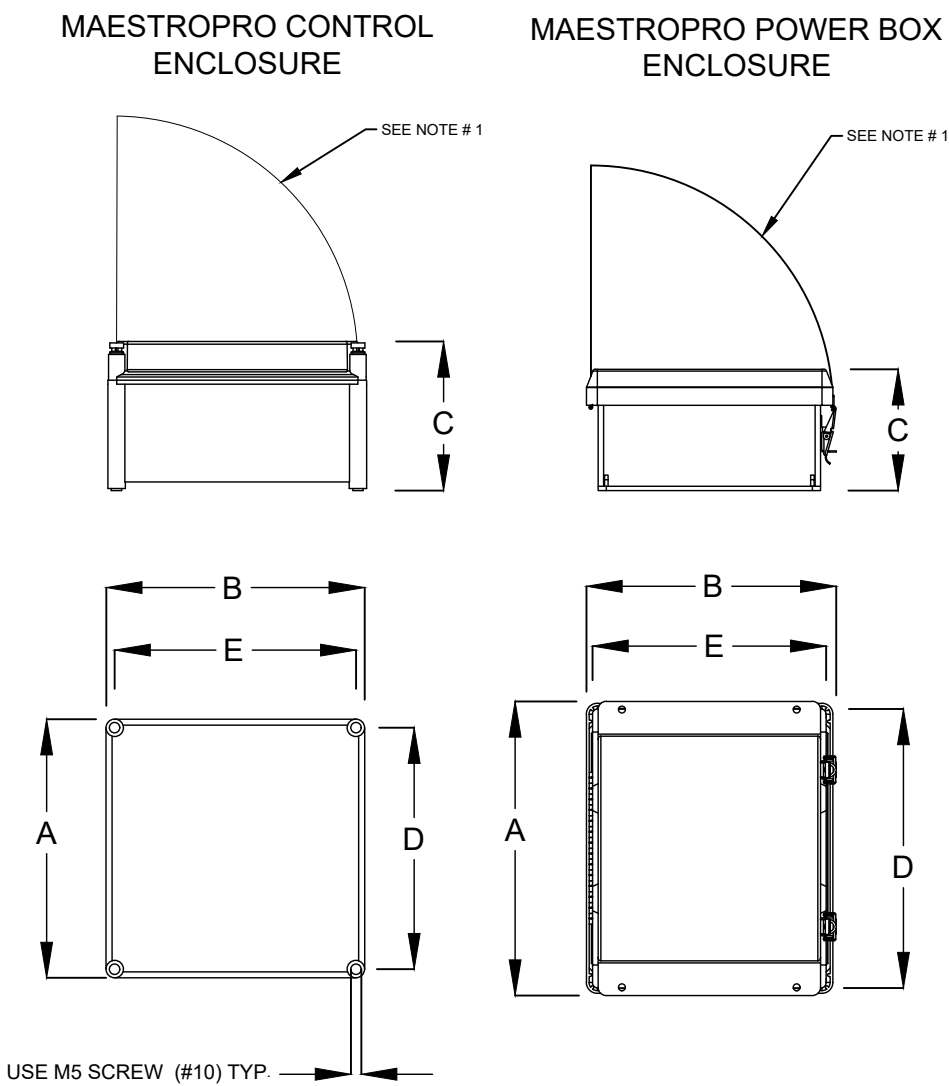
Drawn by OD	Verified by DS
Scale 3/8" = 1'-0"	Date 31/Jan/2025

Sheet #

E-001

INSTALLATION DRAWING - DIMENSIONS FOR MAESTROPRO ENCLOSURES 33907.XXBX

NOTE:
1 - ENSURE ENOUGH CLEARANCE FOR THE DOOR OPENING



REFER TO THE PIPING AND ELECTRICAL SHEET FOR THE CONTROLLER NUMBER

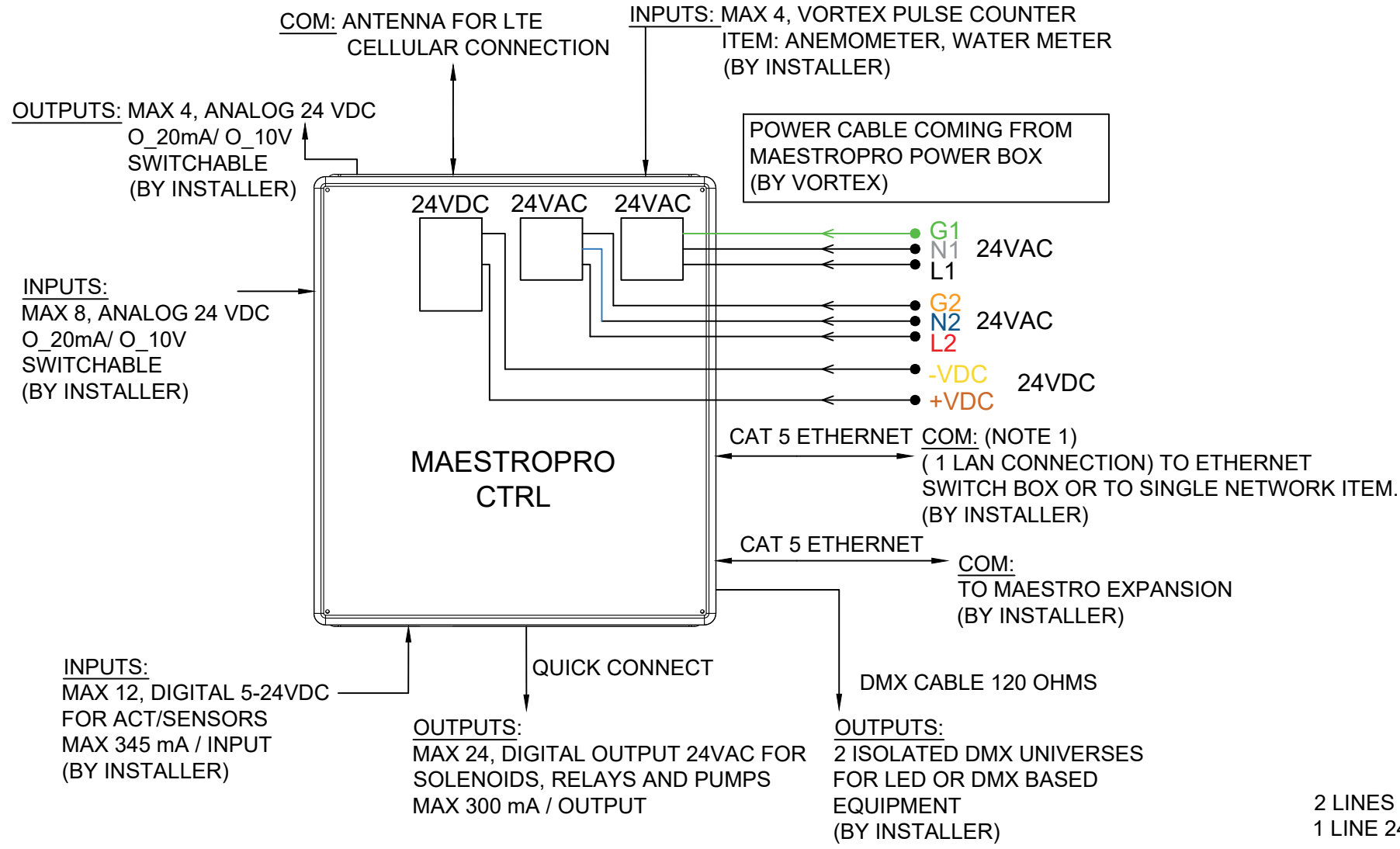
MAESTROPRO ENCLOSURES DIMENSIONS

REFERENCE No.	DESCRIPTION	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"
33907.12B2	MAESTROPRO CTRL 24OUT/12IN 120VAC/240HZ	11.88"	11.88"	6.85"	11.08"	11.08"
33907.22B2	MAESTROPRO CTRL EXP 24OUT/12IN 120VAC/240HZ	11.88"	11.88"	6.85"	11.08"	11.08"
33907.13B0	MAESTROPRO POWERBOX 24OUT/12IN 120VAC/60HZ	12.308"	10.215"	5.57"	12.058"	9.965"
33907.13B1	MAESTROPRO POWERBOX 24OUT/12IN 240VAC/50HZ	12.308"	10.215"	5.57"	12.058"	9.965"

1
ED-001
MaestroPro Controller
VOR- 33907.3200

INSTALLATION DRAWING - MAESTROPRO CTRL 33907.12B2 AND MAESTROPRO POWER BOX 33907.13BX CONNECTIONS

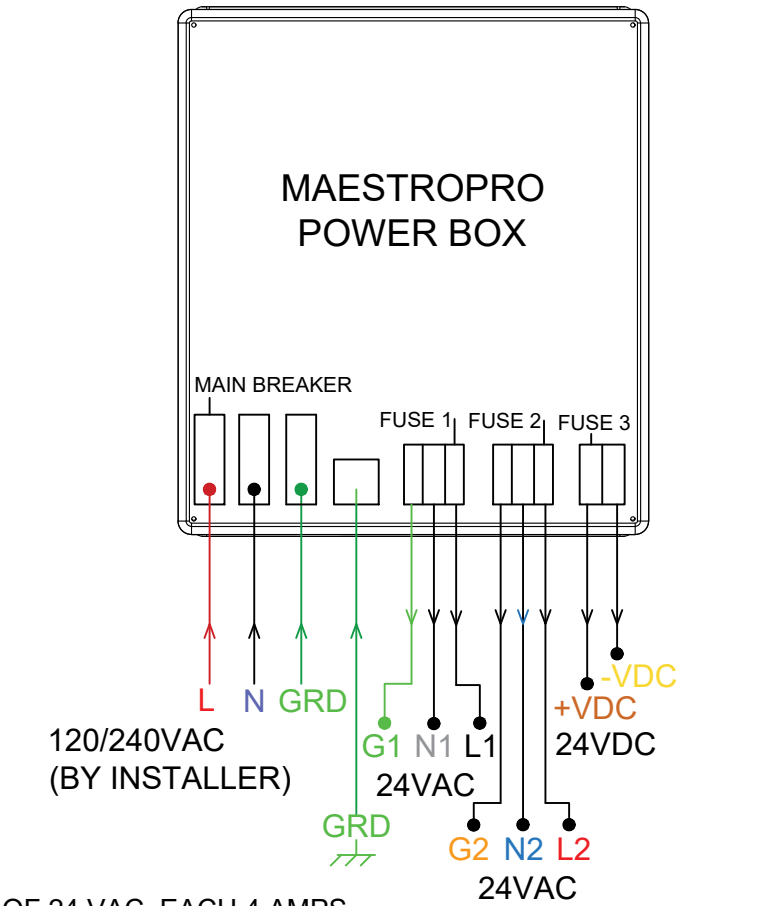
- NOTE:
1 - A MAXIMUM OF 1 ETHERNET CAT 5 CONNECTIONS IS AVAILABLE PER MAESTROPRO.
IF MORE ETHERNET LAN CONNECTIONS ARE NEEDED, THEN IT REQUIRES AN ETHERNET SWITCH BOX (SOLD SEPARATELY).
2 - FOR DIGITAL INPUT, 5-24 VDC SUPPLIED BY MAESTROPRO. REFER TO THE CORRESPONDING SCHEMATIC DRAWING MANUAL FOR WIRING DETAILS.
3 - MAESTROPRO IS DHCP ADDRESSED BY CONNECTED LAN DEVICE.
4 - WHEN USED WITH EXPANSION UNITS, AN ETHERNET CAT 5 CABLE IS REQUIRED BETWEEN EACH UNIT.
5 - WATER TIGHT CONNECTIONS WITH MAESTROPRO DONE BY INSTALLER.
6- ALL WIRES AND CABLES ELECTRICAL CALCULATION ARE BY INSTALLER AND SHALL BE APPROVED ACCORDING TO LOCAL CODE AND BRAND NEW.



2
ED-001
MaestroPro Controller
VOR- 33907.3200

CIRCUIT BREAKER & FUSE	AMPS MAX	CIRCUIT
MAIN BREAKER; 3 AMPS	4 MAX	PRIMARY 120/240 VAC
FUSE 1; 5 AMPS	5 MAX	SECONDARY 24 VAC
FUSE 2; 5 AMPS	5 MAX	SECONDARY 24 VAC
FUSE 3; 5 AMPS	5 MAX	POWER SUPPLY 24 VDC

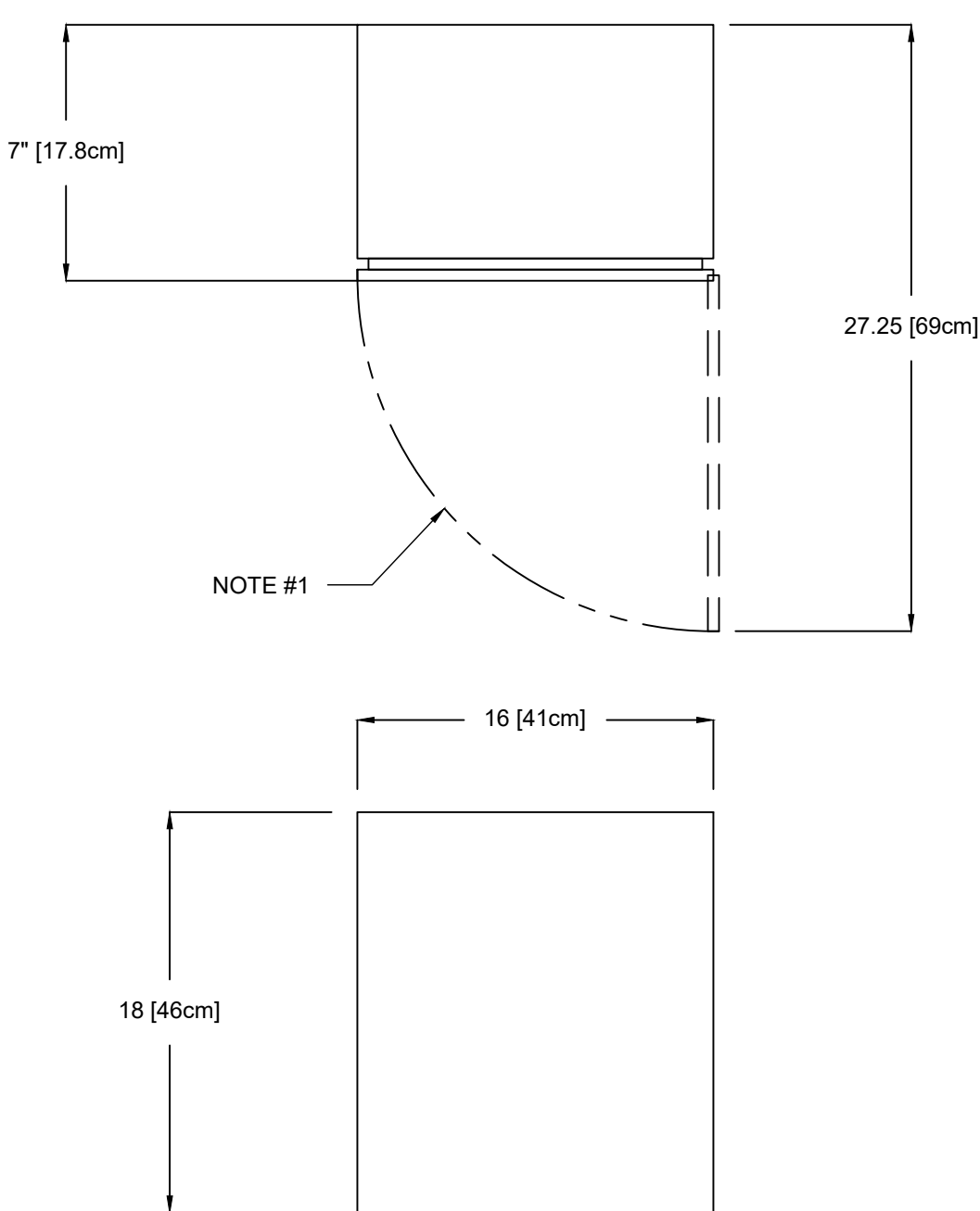
L1 (LINE)
L2 (LINE)
G1 (GROUND)
G2 (GROUND)
N1 (NEUTRAL)
N2 (NEUTRAL)
+VDC
-VDC



2 LINES OF 24 VAC, EACH 4 AMPS
1 LINE 24 VDC (V+, V-)

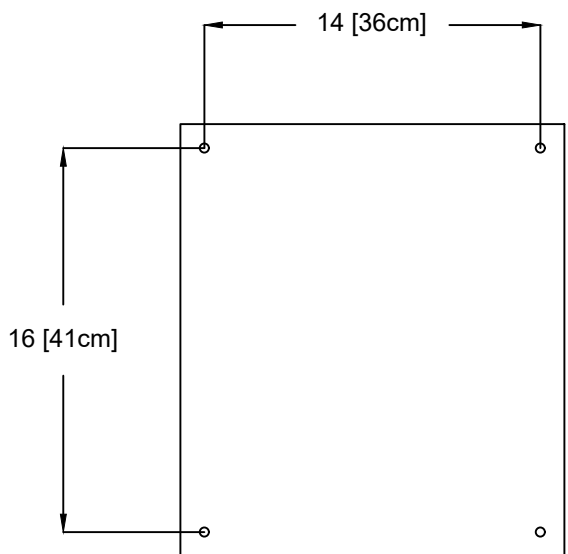
NOTE:
1 - ENSURE ENOUGH CLEARANCE FOR THE DOOR OPENING
2 - MAX 12 LEDs PER POWER PACK
3 - MAX 1 LED PER LINE

DIMENSIONS



LUMIFLOW POWER PACK FAMILY

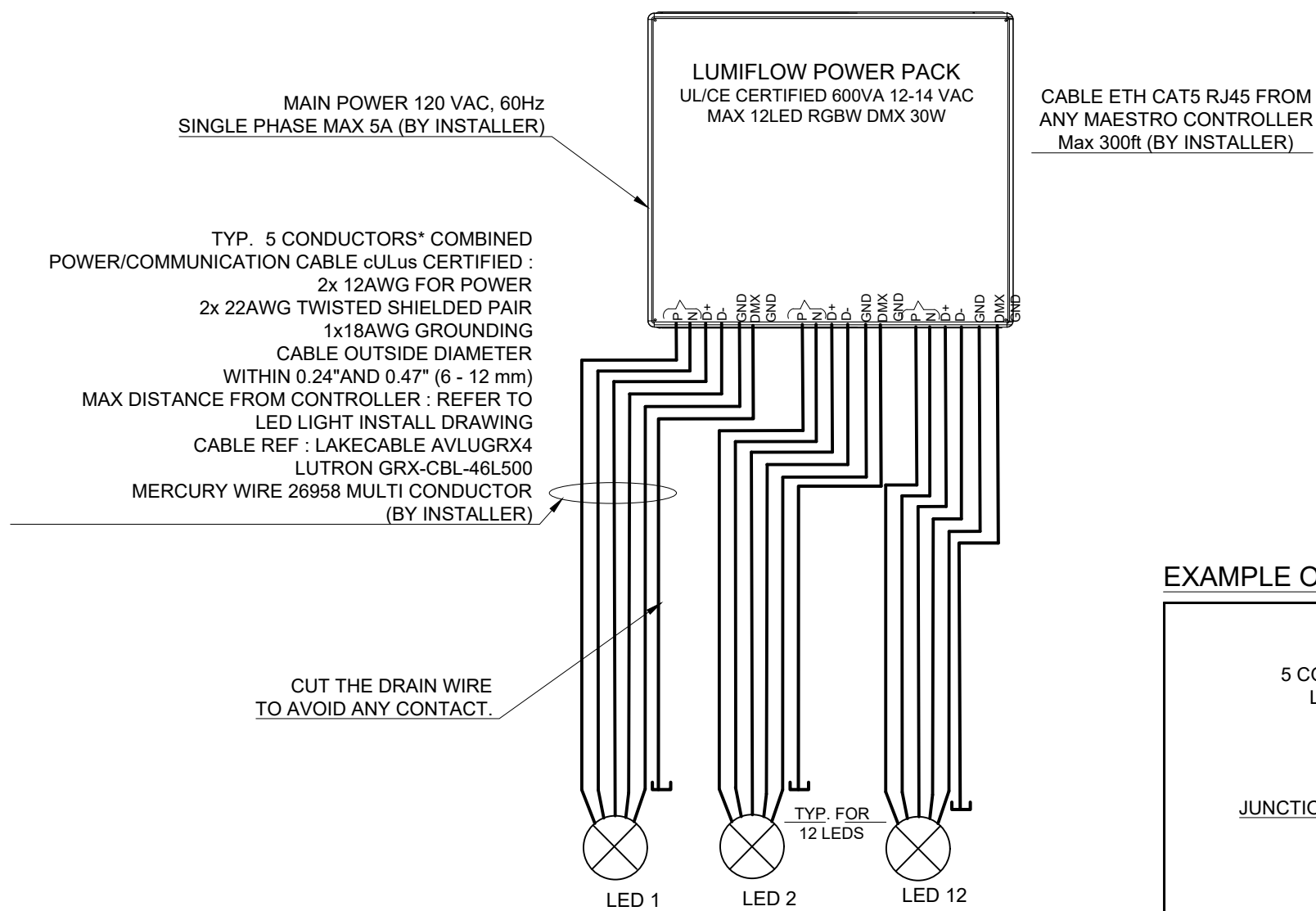
- 33908.4030 - 120VAC
- 33908.4031 - 240VAC



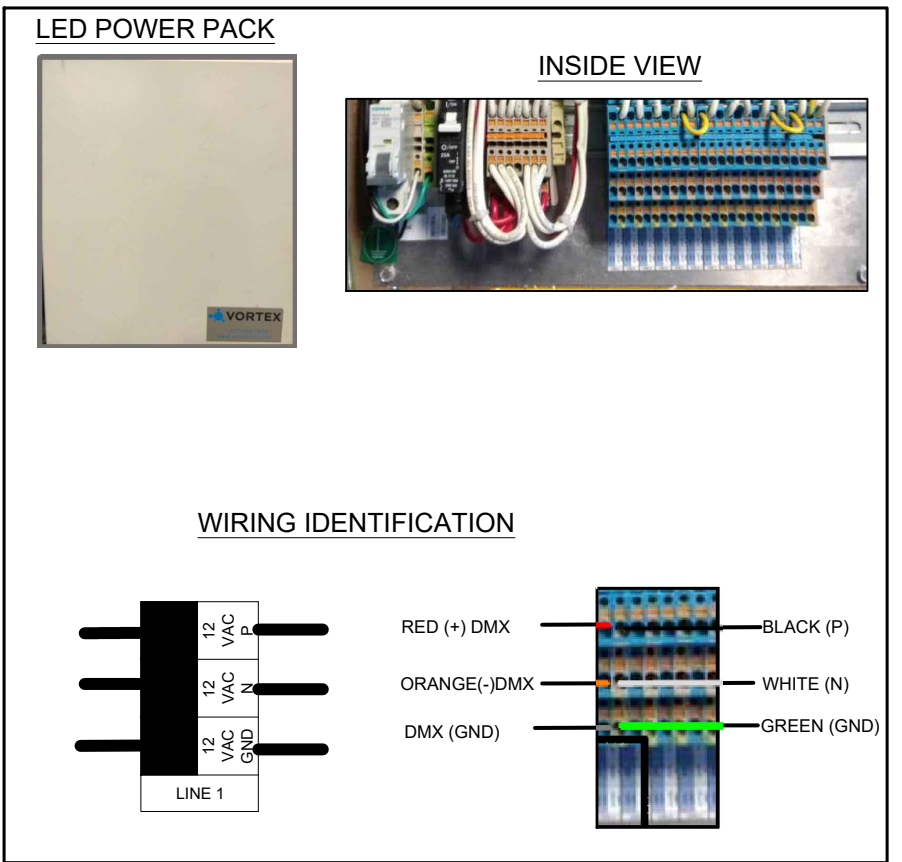
BACK VIEW
WALL ANCHORAGE

3
ED-001
Lumiflow Power Pack UL/CE Certified
VOR- 33908.403X

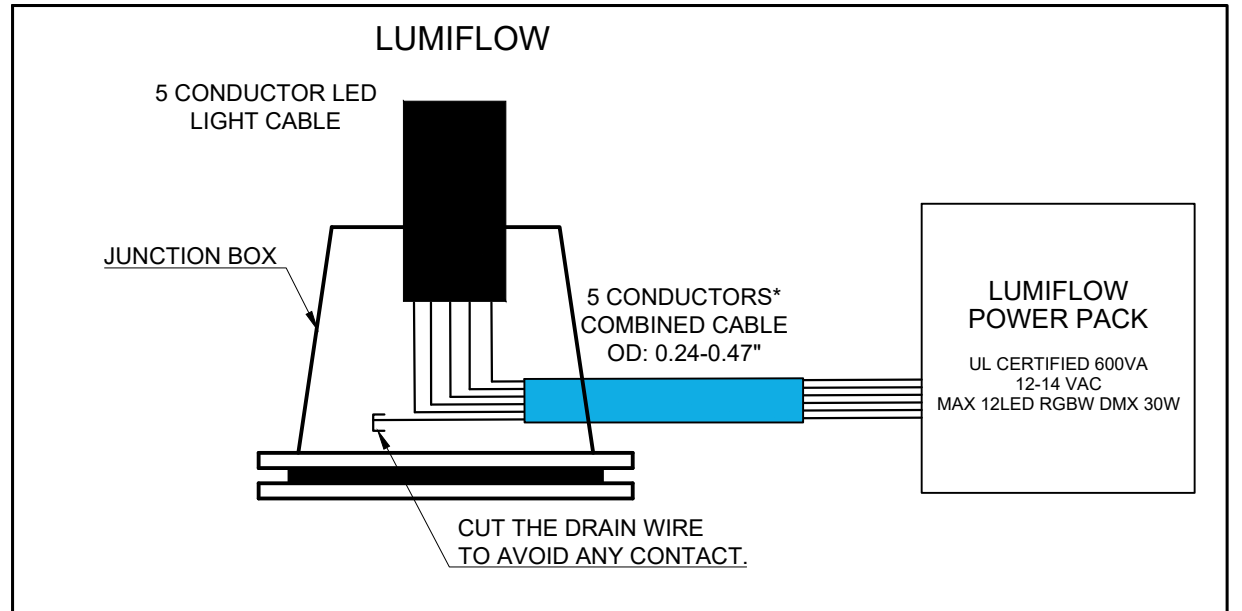
FIELD WIRING DIAGRAM



4
ED-001
Lumiflow Power Pack UL/CE Certified
VOR- 33908.403X



EXAMPLE OF LUMIFLOW LAYOUT



VORTEX USA Inc.
3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE IDEAS, RENDERINGS AND OTHER CONTENTS CONTAINED THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF VORTEX USA Inc.

Rantoul Plaza Splashpad

Project Location
US

Project Number
42693

Version
VA

31/Jan/2025	Issued for Approval	00	OD
Date	Revision Description	No.	By

Drawing Title

Electrical Details

Drawn by OD	Verified by DS
----------------	-------------------

Scale	Date 31/Jan/2025
-------	---------------------

Page #
ED-001

Ref	Product	Qty
A	CoreoPlay Sunset VOR 7060	2
IA	Activator N°4 VOR 0622	1
IB	Playsafe Drain N°4 VOR 1004	1



VORTEX USA Inc.
3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

COPYRIGHT VORTEX USA Inc-THIS DOCUMENT AND THE IDEAS, RENDERINGS AND OTHER CONTENTS CONTAINED THEREIN ARE THE SOLE PROPERTY OF VORTEX USA Inc AND MAY NOT BE DISSEMINATED, COPIED, REPRODUCED OR OTHERWISE USED WITHOUT PRIOR WRITTEN CONSENT OF VORTEX USA Inc.

Rantoul Plaza Splashpad

Project Location			
US			
Project Number			
42693			
Version			
VA			
31/Jan/2025	Issued for Construction	01	OD
01/Nov/2024	Issued for Approval	00	BR
Date	Revision Description	No.	By
Drawing Title			
Bonding Layout			
Drawn by		Verified by	
OD		DS	
Scale		Date	
1/4" = 1'-0"		31/Jan/2025	
Page #			
E-003			

1

E-003

BONDING LAYOUT

1. REFER TO SPECS ON COVER PAGE
2. COORDINATE THIS DRAWING WITH ARCHITECTURAL, CIVIL, PLUMBING & ELECTRICAL.

Bonding wire -----

