THE CITY OF KALAMAZOO

BRONSON PARK IMPROVEMENTS LINCOLN STATUE ELECTRICAL REVISIONS

OCBA

350 East Michigan Avenue Suite #415 Kalamazoo Michigan 49007 Phone (269) 381-3357 Fax (269) 381-2944

> Landscape Architecture Urban Planning Parks & Recreation Campus & Institutional Planning Camp Planning & Design

KALAMAZOO, MICHIGAN BID REFERENCE 98854-005.0

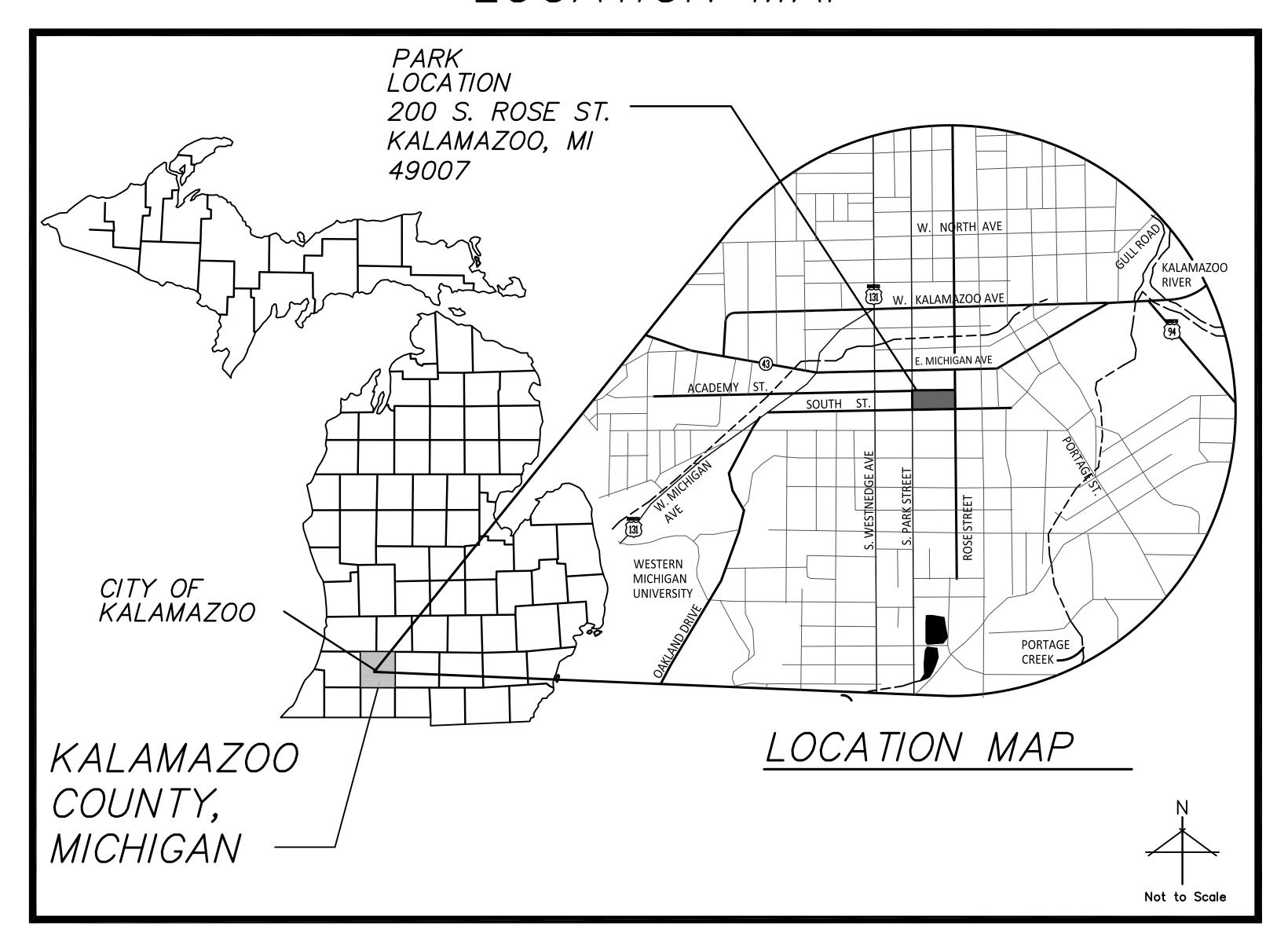
OWNER/CLIENT: KALAMAZOO COUNTY (PROPERTY OWNER) CITY OF KALAMAZOO PARKS & RECREATION DEPT. (PROPERTY LEASEE AND CLIENT)

251 MILLS ROAD

269-337-8191 TELE

KALAMAZOO, MICHIGAN 49048

LOCATION MAP



SHEET INDEX

NO.		269-552-6457 FAX
CO.0	COVER SHEET	<u>LANDSCAPE ARCHITECT:</u> O'BOYLE COWELL BLALOCK
CO. 1	EXISTING CONDITIONS	& ASSOCIATES, INC.
CO.2	REFERENCE LIGHTING PLAN	350 EAST MICHIGAN AVENUE, SUITE #415
CO.3	REFERENCE UNDERGROUND UTILITY	
C1.0	DEMOLITION PLAN	269-381-2944 FAX
<i>C2.0</i>	REFERENCE AUDIO UNDERGROUND (UTILITIES <u>ELECTRICAL ENGINEER:</u>
IR1.0	REFERENCE IRRIGATION PLAN	GEOTECH, INC.
IR1.1	REFERENCE IRRIGATION DETAILS	4900 CASCADE ROAD SE GRAND RAPIDS, MI 49546
E1.1	ELECTRICAL PLAN	616-949-3340 TELE

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Issued For:	Date
OWNER REVIEW	05-17-23
ISSUE FOR BID	09-18-23

Bronson Park Improvements -Lincoln Statue **Electrical Revisions**

Kalamazoo, Michigan

Sheet Title

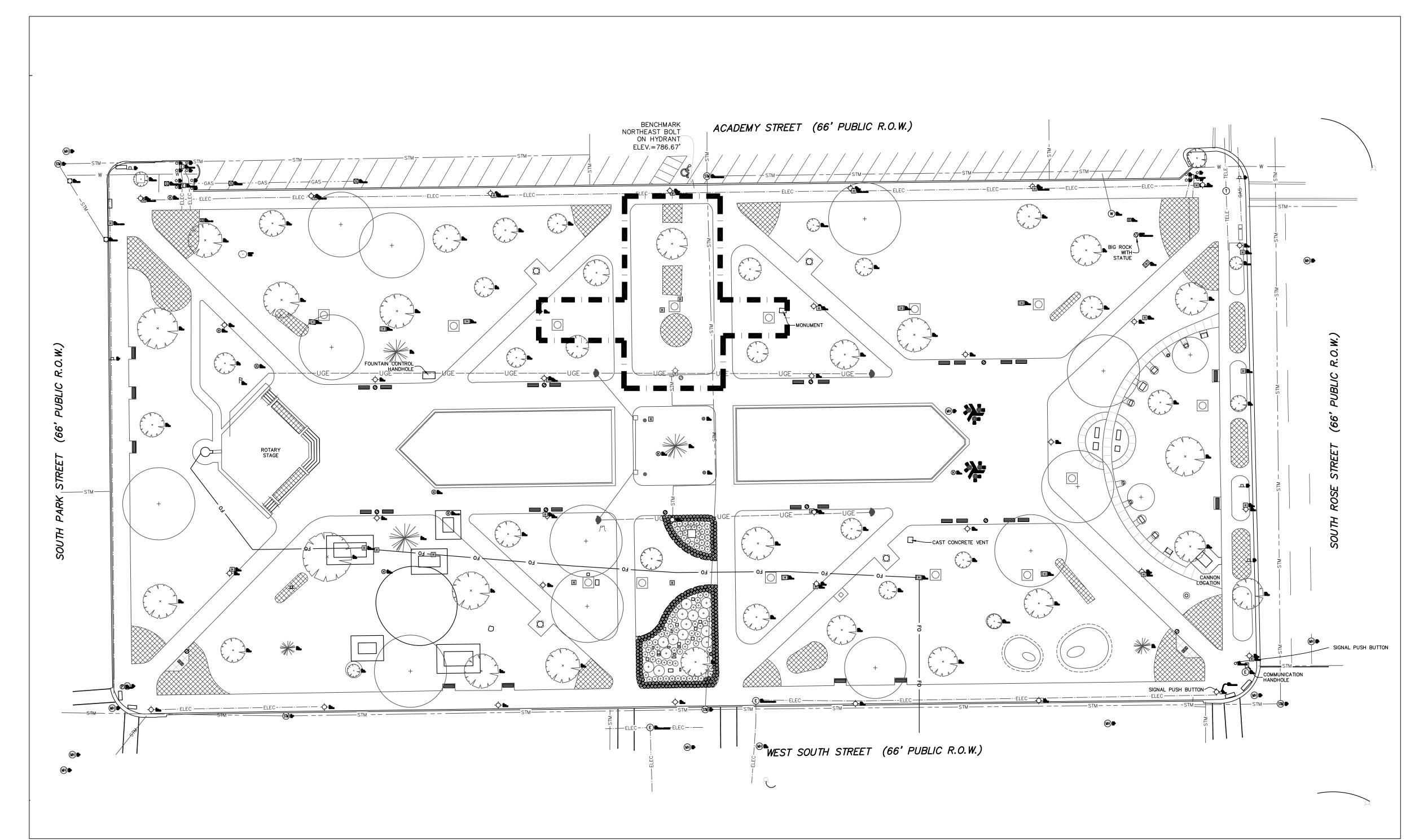
Cover Sheet

NOTES:

52241

¹⁾ Except where other wise indicated on the plans or in the proposal and supplemental specifications or special provisions contained herein, all materials and workmanship shall be in accordance with Michigan Department of Transportation Standard Specifications for Construction, 1996 Edition.

²⁾ Call Miss Dig, 1—800—482—7171 three working days, excluding Saturday, Sunday and holidays, before starting your project.



Existing Conditions Plan SCALE: 1"=30'-0"

EXISTING CONDITIONS NOTES:

269-372-1158.

- 1. The basis of bearing for this survey is the North American Datum of 1983 (NAD83)(2011)) epoch 2010.0 with unit being the international foot.
- Vertical Datum is based on GEOID12B adjustment of the North American Vertical Datum of 1988 (NAVD88) with the units
- being the International foot. Survey of existing conditions provided by Prein & Newhof, Inc., 7123 Stadium Drive, Kalamazoo, Michigan 49009. Phone:
- 4. Verify locations of all below grade utilities prior to beginning work, 72 hours before you dig, call "MISSDIG" at 1-800-482-7171.
- 5. Protect all trees & existing features to remain as specified.
- 6. Refer to the Demolition Plan for exact limits of removal.



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EXISTING CONDITIONS LEGEND:



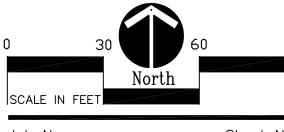
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-	

Bronson Park Improvements -Lincoln Statue Electrical Revisions

Kalamazoo, Michigan

Existing Conditions Plan



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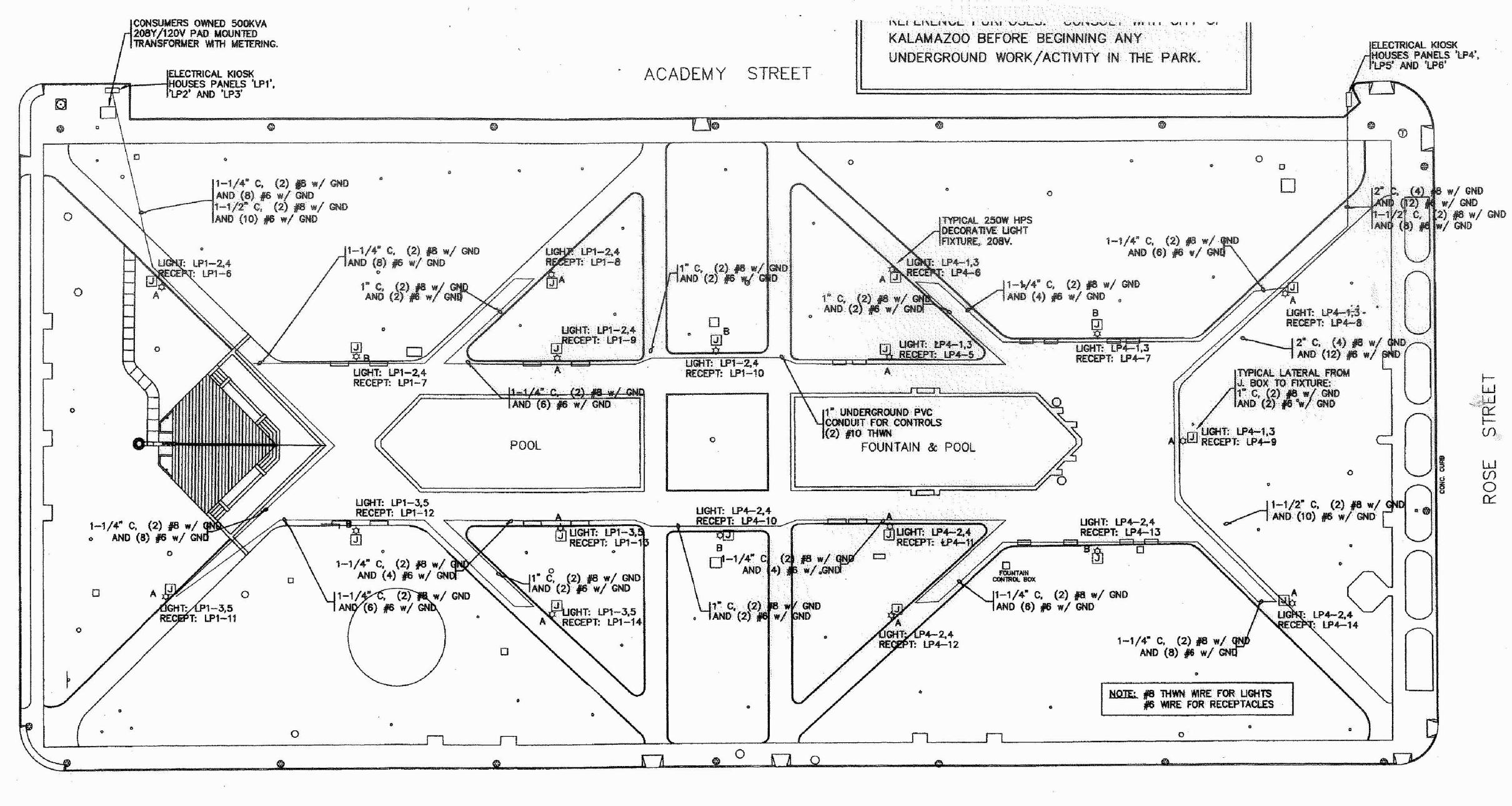
<u>LEGEND</u>

DECORATIVE LIGHT

ELECTRICAL KIOSK

UNDERGROUND COND

PVC JUNCTION BOX, 8" X 8" X 8" DEEP



SOUTH STREET

BRONSON PARK LIGHTING PLAN FOR REFERENCE ONLY

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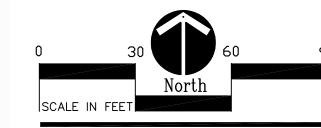
Issued For:	Date
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ISSUED FOR BID	02-23-22
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Bronson Park -Audio Upgrade

Kalamazoo, Michigan

Sheet Title

Reference Lighting Plan



Job No.

Sheet No.

51407-3



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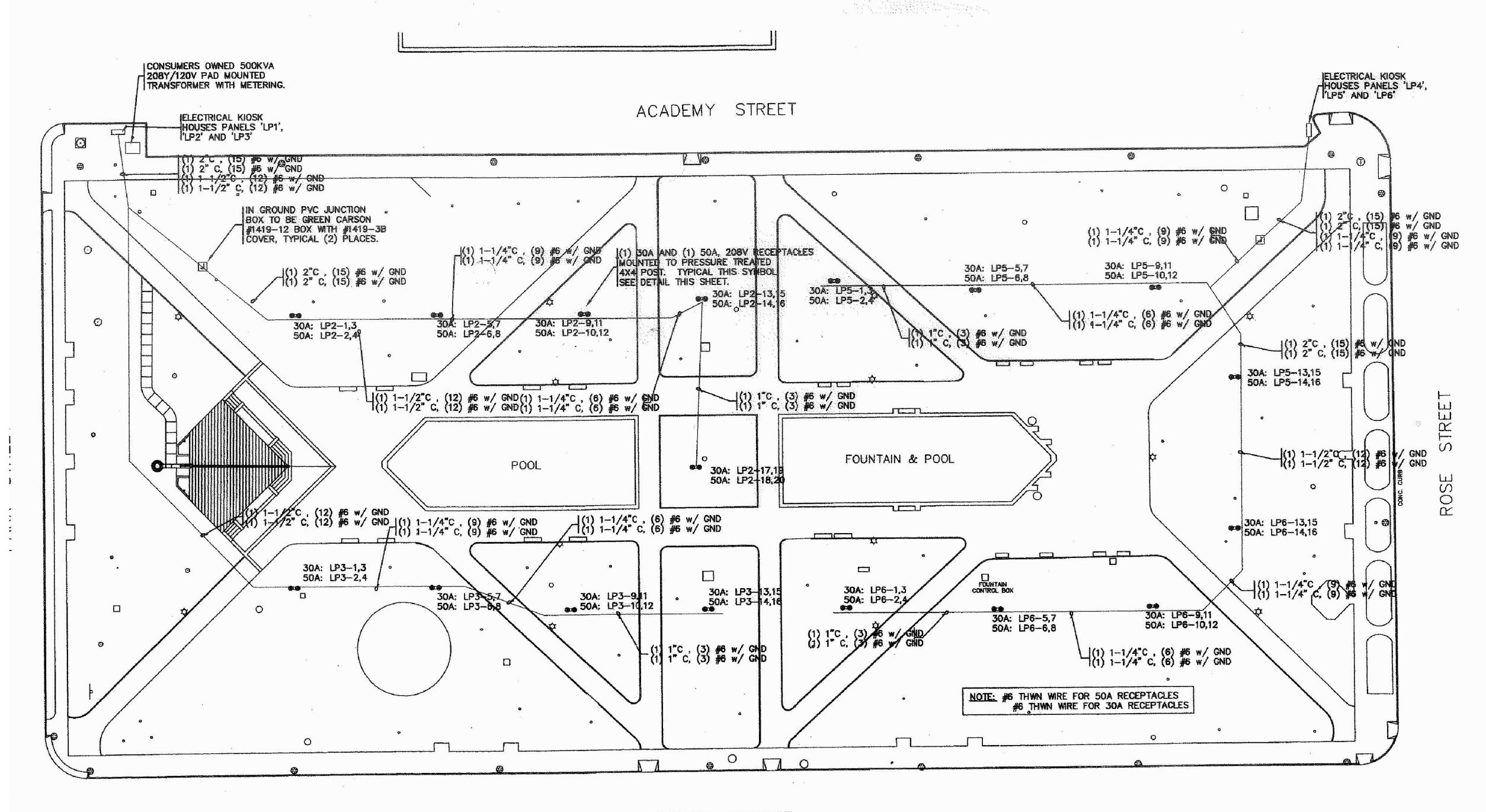
LEGEND

IN GROUND PVC POWER BOX

IN GROUND PVC JUNCTION BOX

UNDERGROUND CONDUIT

Landscape Architecture Urban Planning Parks & Recreation Campus & Institutional Planning Camp Planning & Design



SOUTH STREET

BRONSON PARK UNDERGROUND 208V PLAN

FOR REFERENCE ONLY

AINLESS STEEL

20A GFCI RECEPTACLE

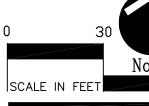
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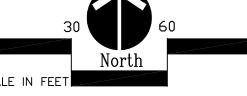
Issued For: Date 01-24-22 OWNER REVIEW 02-23-22 ISSUED FOR BID

Bronson Park -Audio Upgrade

Kalamazoo, Michigan

Sheet Title Reference Underground Utility Plan

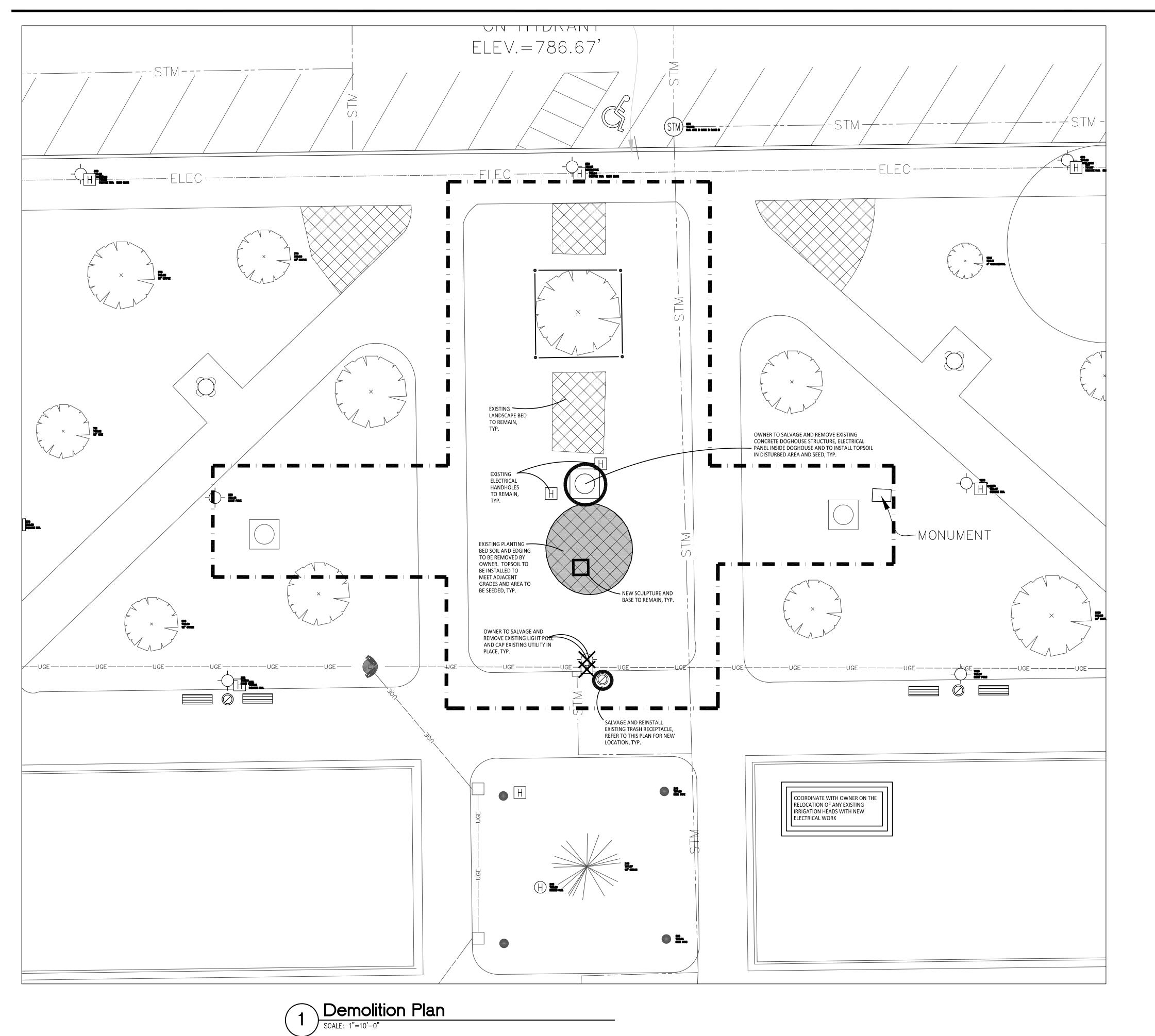




Job No.

C0.3

51407-3



DEMOLITION NOTES:

1. SURVEY OF EXISTING CONDITIONS PROVIDED BY PREIN & NEWHOF INC. 7123 STADIUM DRIVE, KALAMAZOO MI, 49009 Ph:

2. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171.

3. PROTECT ALL TREES & EXISTING FEATURES TO REMAIN AS SPECIFIED.

4. REFER TO LAYOUT PLAN FOR LIMITS OF WORK.

5. DISCREPANCIES BETWEEN SITE AND PLANS SHOULD BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.

6. ALL AREAS OF TREE CLEARING SHALL BE STAKED FOR ARCHITECT'S APPROVAL PRIOR TO CLEARING.

AREAS AS DIRECTED BY CONSTRUCTION MANAGER AND PROTECT FROM EFFECTS OF EROSION. 8. THE MATCH-E-BE-NASH-SHE-WISH BAND OF POTTAWATOMI INDIANS WILL PERFORM A BLESSING CEREMONY ON THE SITE PRIOR

7. ALL TOPSOIL AND EXCESS FILL MATERIAL SHALL BE STOCKPILED ON SITE SEPARATELY FOR LATER RE-USE. LOCATE STOCKPILES IN

TO ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION SCHEDULE WITH OWNER AND LANDSCAPE ARCHITECT PRIOR TO START OF CONSTRUCTION.

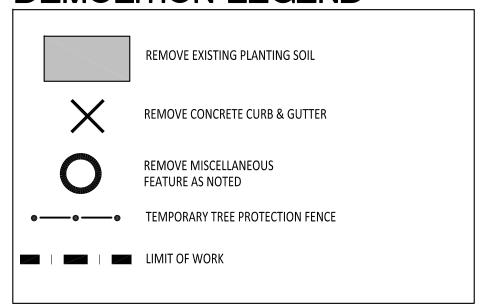
9. NO CONSTRUCTION SHALL OCCUR DURING THE WEEKEND OF JUNE 4, 2022. EXACT CLOSURE DATES TO BE COORDINATED WITH THE CITY OF KALAMAZOO. ALL CONSTRUCTION WORK MUST BE STOPPED WITH NO EXPOSED UTILITY TRENCHES, HOLES, OR OTHER TRIPPING HAZARDS FOR PEDESTRIANS. THE MOUND MUST BE SECURED WITH ORANGE SNOWFENCING AND SIGNAGE SECURED TO THE FENCING. CITY OF KALAMAZOO TO PROVIDE SIGNAGE.

ARCHITECTS

350 East Michigan Avenue Suite #415 Kalamazoo Michigan 49007 Phone (269) 381-3357 Fax (269) 381-2944

> Landscape Architecture **Urban Planning** Parks & Recreation Campus & Institutional Planning Camp Planning & Design

DEMOLITION LEGEND:



TREE PROTECTION NOTES:

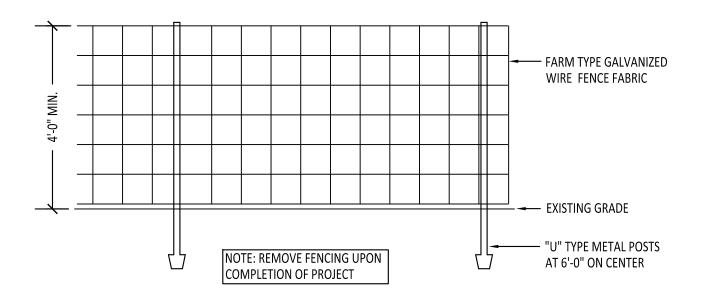
PROVIDE AND MAINTAIN TEMPORARY TREE PROTECTION FENCING IN ALL LOCATIONS MARKED • — • • • • TREE FENCING SHALL BE PROVIDED AND IN PLACE PRIOR TO ANY WORK ON SITE (INCLUDING TOPSOIL STRIPPING OPERATIONS). REFER TO THE FOLLOWING NOTES AND THE SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS.

1. NO CONSTRUCTION OPERATIONS, EQUIPMENT, MATERIALS OR TOPSOIL SHALL BE ALLOWED WITHIN THE TREE PROTECTION AREAS.

2. EXISTING GROUND COVER AND TOPSOIL SHALL NOT BE REMOVED FROM TREE PROTECTION AREAS DURING EARTHWORK PHASE.

3. VEHICULAR TRAFFIC, PARKING, EQUIPMENT OR MATERIAL STORAGE MAY NOT OCCUR WITHIN THE TREE PROTECTION AREAS AT ANY TIME.

4. NO EXCAVATION SHALL BE MADE WITHIN THE TREE PROTECTION AREAS EXCEPT AS NOTED OTHERWISE.



2 Tree Protection Fencing NOT TO SCALE

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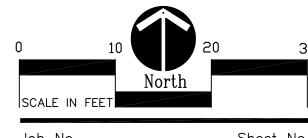
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Bronson Park Improvements -Lincoln Statue Electrical Revisions

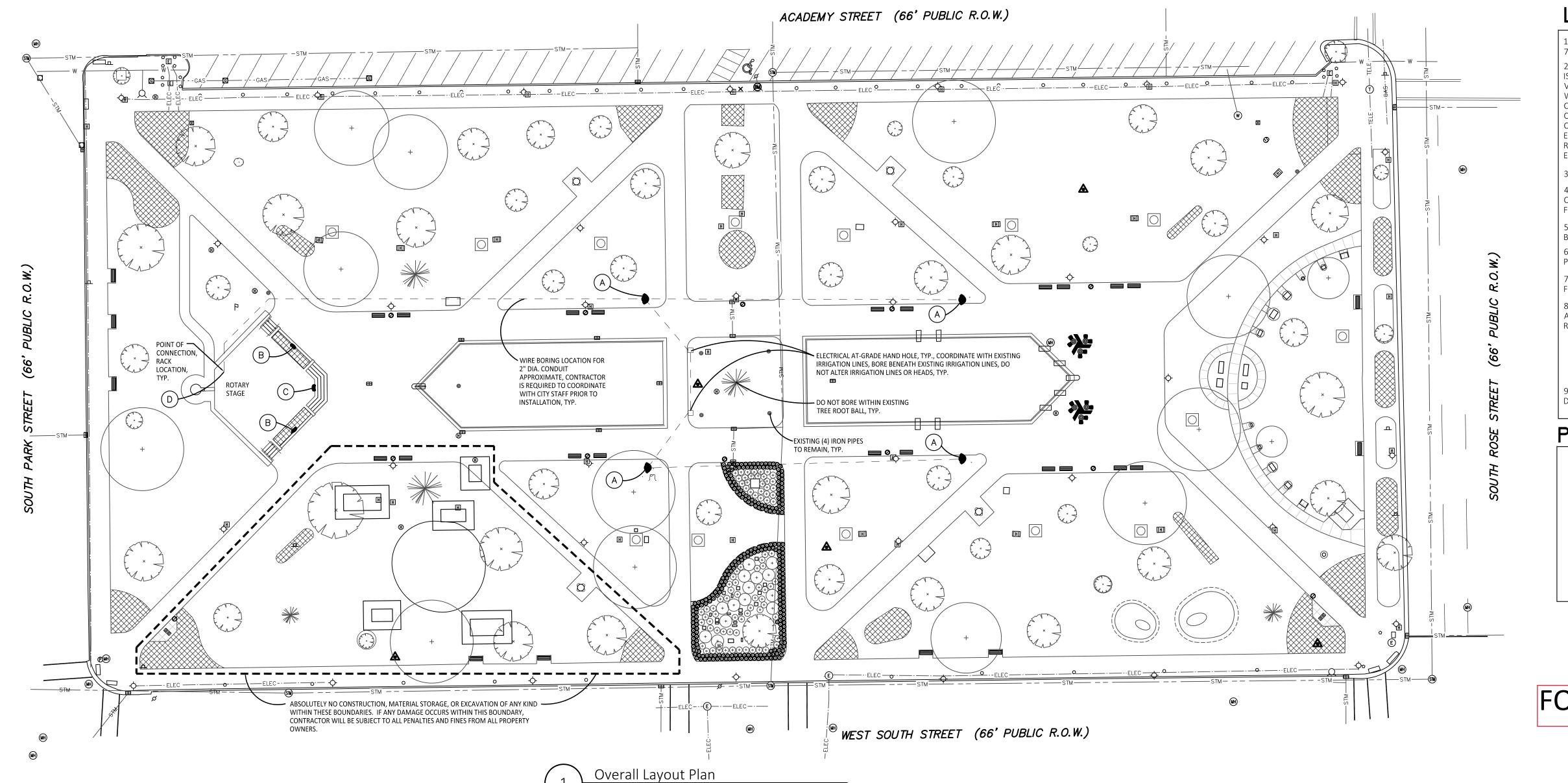
Kalamazoo, Michigan

Sheet Title

Demolition Plan



Bid Ref#98854-005.0



LAYOUT NOTES:

L. SURVEY OF EXISTING CONDITIONS PROVIDED BY: PREIN & NEWHOF INC. 7123 STADIUM DRIVE, KALAMAZOO MI, 49009 Ph : 269-372-1158

2.NOT ALL UNDERGROUND UTILITIES MAY BE SHOWN ON PLAN. CONTRACTOR IS RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES PRIOR TO CONTRUCTION. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171. CONTRACTOR WILL BE PROVIDED WITH AS-BUILT ELECTRICAL,

COMMUNICATION, AND IRRIGATION PLANS AND WILL BE REQUIRED TO COORDINATE PROPOSED UTILITY LOCATIONS WITH CITY PARK STAFF AND CITY ELECTRICIAN PRIOR TO ANY INSTALLATION, TYP. ANY REQUIRED REPAIR OR REPLACEMENT WORK CAUSED BY CONSTRUCTION WILL BE AT CONTRACTOR'S

3. PROTECT ALL TREES AND EXISTING FEATURES TO REMAIN AS SPECIFIED.

4. REPAIR AND RESTORE ALL DISTURBED AREAS AND ANY DAMAGED AREAS OUTSIDE OF LIMIT OF WORK LINE TO ORIGINAL CONDITION. THIS INCLUDES FINE GRADING, TOPSOILING, AND SEEDING DISTURBED OR DAMAGED AREAS.

5. PAVEMENT DIMENSIONS AND RADII ARE TO EDGE OF PAVEMENT OR

6. DISCREPANCIES BETWEEN SITE AND PLANS SHOULD BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.

7. SITE LAYOUT POINTS SHOULD BE ESTABLISHED AND PROTECTED FOR

8. BARRIER-FREE PARKING AND ACCESSIBLE ROUTE(S) MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND MICHIGAN BARRIER-FREE CODE REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1:50 (2%) MAXIMUM CROSS-SLOPE ON ACCESSIBLE ROUTE. - NO CHANGES IN LEVEL GREATER THAN 1/2" ALONG ACCESSIBLE ROUTE. - 1:20 (5%) MAXIMUM LONGITUDINAL SLOPE ON ACCESSIBLE ROUTE (EXCEPT WHERE RAMPS ARE PROVIDED).

9. CONTRACTOR RESPONSIBLE FOR RESTORING ALL AREAS OF CONSTRUCTION DISTURBANCE. TOPSOIL, FINE GRADE, AND SEED ALL TURF AREAS DISTURBED.

OCBA ARCHITECTS

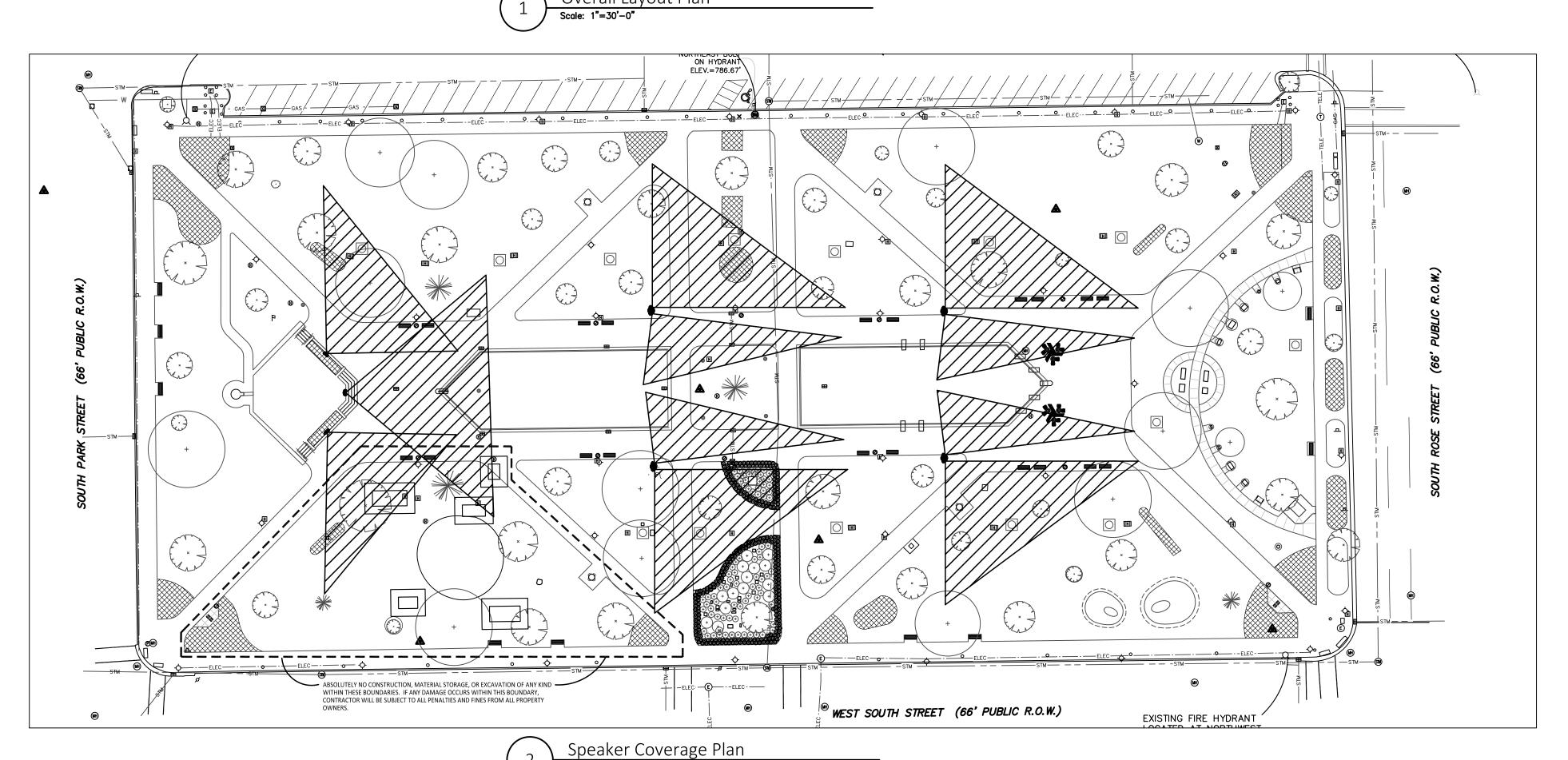
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PROPOSED FEATURES LEGEND:

BORED WIRE CONNECTION PATH ALUMINUM SPEAKER POLE W/ (2) SPEAKERS 3/C2.0 DANLEY OS80 SPEAKER, ROOF MOUNTED REFER TO SPECS. DANLEY OS12CX SPEAKER, ROOF MOUNTED REFER TO SPECS. INTERIOR RACK EQUIPMENT REFER TO SPECS.

FOR REFERENCE ONLY



-CONDUIT AS PER CONTRACTOR -ANCHOR BOLTS AS PER CONTRACTOR -#3 BAR TIES @ 12" O.C. -(8)- #6 BARS OR EQUAL CONDUIT OR DIRECT BURIAL BY CONTRACTOR IN FIELD COUPLINGS CAST FLUSH IN PLACE GENERAL NOTES: 1. Concrete: 28 Day Compressive Strength f'c = 4,000 psi 2. Steel Reinforcement: ASTM A-615, Grade 60, ASTM A-185. FOR SUBMITTAL STANDARD 24" Ø LIGHT POLE BASE

Reference Concrete Footing Detail

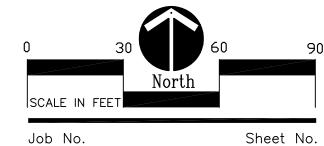
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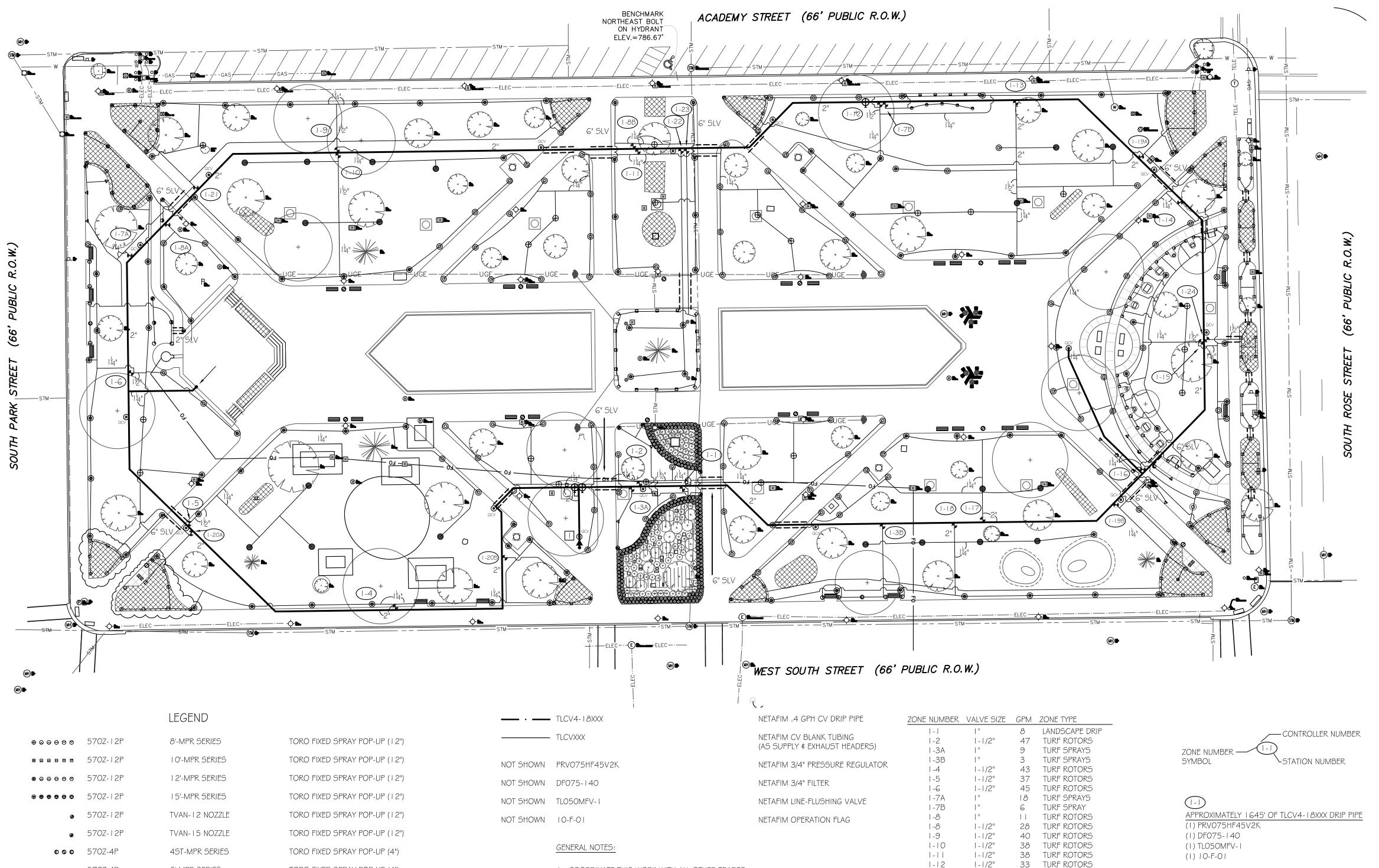
Bronson Park -Audio Upgrade

Kalamazoo, Michigan

Sheet Title Overall Site Layout Plan



C2.0 51407-3



EXISTING IRRIGATION PLAN SHOWN FOR REFERENCE ONLY



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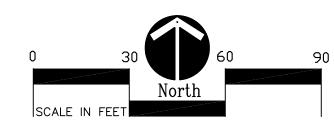
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Bronson Park Improvements -Lincoln Statue Electrical Revisions

Kalamazoo, Michigan

Sheet Title

Existing Irrigation Plan



Job No. 52241



1-13

1-15

1-16

1-17

1-18

1-19A

1-19B

1-20A

1-20B

1-21

1-22

1-23 1-24 1-1/2"

1-1/2"

1-1/2"

1-1/2"

45 TURF ROTORS 27 TURF ROTORS

39 TURF ROTORS

43 TURF ROTORS

42 TURF ROTORS

II TURF SPRAYS

FOR ITS CORRECTNESS.

TURF SPRAYS

LANDSCAPE SPRAYS

LANDSCAPE SPRAYS

LANDSCAPE SPRAYS

23 LANDSCAPE SPRAYS

27 LANDSCAPE SPRAYS

TURF ROTORS

LANDSCAPE SPRAYS

Know what's **below**. Call before you dig.





487 W. Division St. Sparta, MI 49345 Ph: 616.887.7301 Fax: 616.887.6288 1050 Opdyke Road

Fax: 248.373.8899

800.822.2216

Design By: Plan #: Date: Auburn Hills, MI 48326 Ph: 248.373.8800

1-21-19 PRELIMINAF

Sheet No. Bid Ref#98854-005.0



 □ CCM24 \$ 24 STATION CC-PED

NOT SHOWN #14 UL APPROVED 24V RED CONTROL WIRE WITH A #14 UL APPROVED WHITE COMMON WIRE

POINT OF CONNECTION (P.O.C.)

PVC 160# PIPE (ALL PIPE 1-1/2" AND LARGER)

252-26-06

206 SERIES

► 765-2 WITH A GS-1 \$ EP-1

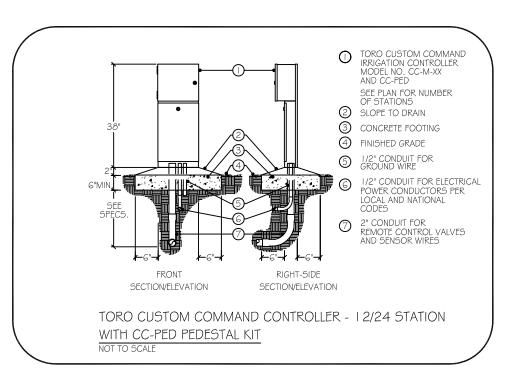
FEBCO 2" PRESSURE VACUUM BREAKER \$ GUARDSHACK ENCLOSURE WITH PAD RED/WHITE LINE 2" ISOLATION VALVE

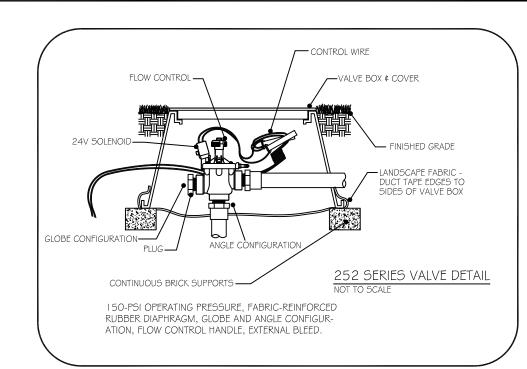
TORO 1-1/2" ELECTRIC VALVE

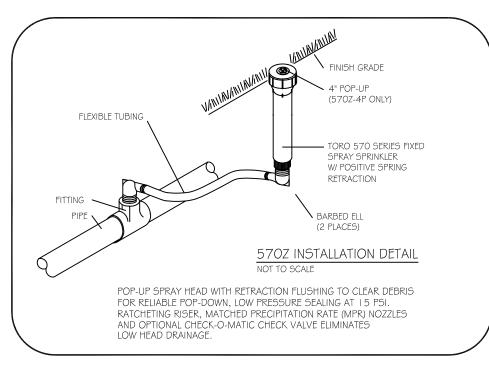
W/TWRS RAIN SWITCH

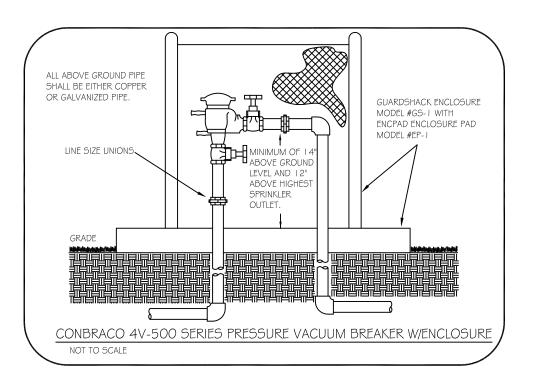
TORO CUSTOM COMMAND CONTROLLER

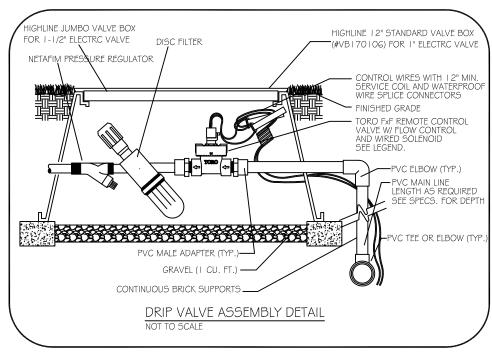
- I. COORDINATE THIS WORK WITH ALL OTHER TRADES.
- 2. ALL PLUMBING AND ELECTRICAL SHALL BE INSTALLED ACCORDING TO STATE AND LOCAL CODES.
- 3. ALL SLEEVES SHALL BE BORED UNDER EXISTING WALKS, 4" PVC 160# (UNLESS OTHERWISE SPECIFIED). SLEEVE INSTALLATION SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.
- 4. ALL PIPE NOT SIZED DOWNSTREAM OF VALVE IS I".
- 5. IRRIGATION CONTRACTOR'S POINT OF CONNECTION SHALL BE ON 2" SERVICE LINE STUBBED AT THE LOCATION SHOWN ON THE PLAN.
- 6. I 15V POWER INTO CONTROLLER SHALL BE SUPPLIED BY ELECTRICAL CONTRACTOR.
- 7. CONTROLLER AND RAINSWITCH SHALL BE MOUNTED AT LOCATION SHOWN ON PLAN (VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE).
- 8. IRRIGATION CONTRACTOR SHALL ADJUST THE FLOW CONTROL FEATURE ON ALL ELECTRIC VALVES PER THE MANUFACTURER'S RECOMMENDATIONS TO MAXIMIZE THE VALVES PERFORMANCE AND LONGEVITY.
- 9. IF SITE PRESSURE IS NOT ADEQUATE, A BOOSTER PUMP AND RELATED EQUIPMENT MAY BE REQUIRED AT ADDITIONAL COST TO OWNER.
- 10. IRRIGATION PIPE AND EQUIPMENT SHOWN IN PAVED AREAS IS FOR CLARITY ONLY AND SHALL BE INSTALLED WITHIN THE TURF & LANDSCAPE AREAS.
- II. PIPE ROUTING IS DIAGRAMMATIC. ALL EQUIPMENT AND PIPE ARE TO BE FIELD ADJUSTED TO TAKE INTO CONSIDERATION ANY OBSTRUCTIONS AND ALL LANDSCAPE.
- WATER REQUIREMENTS: 47 GPM @ 49 PSI AT THE P.O.C.

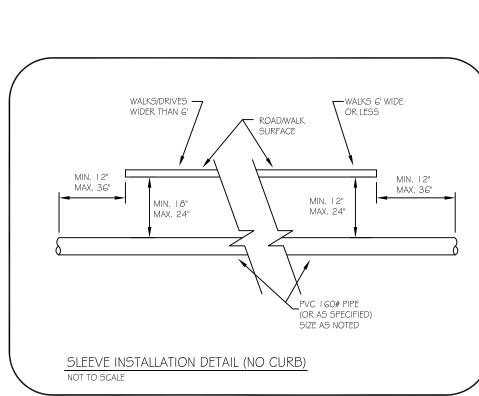


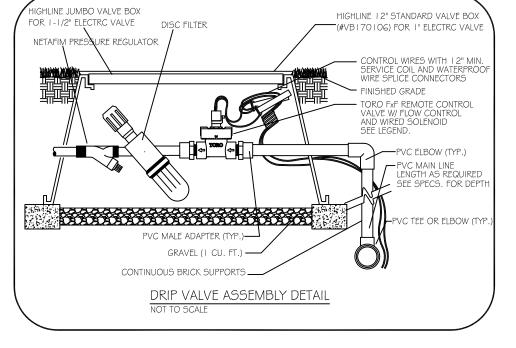


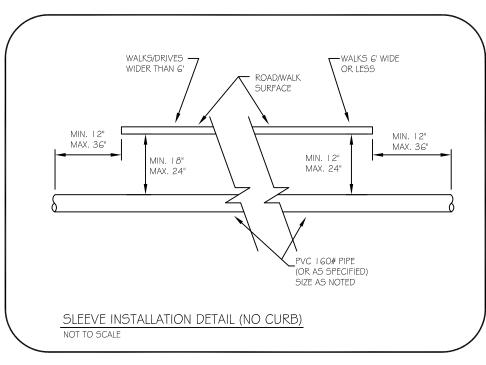


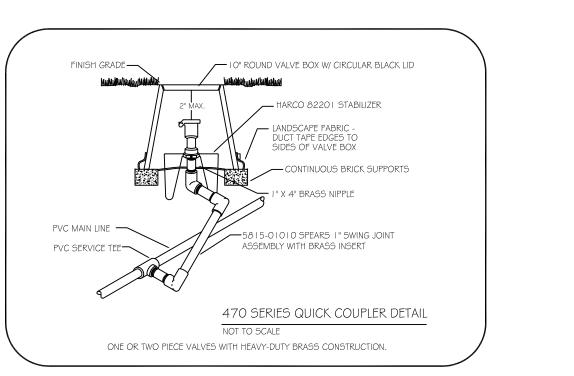


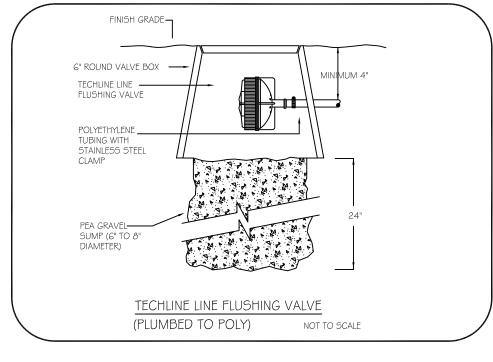


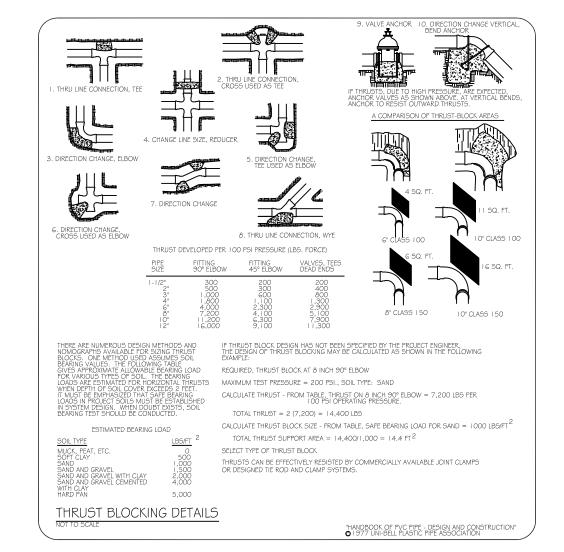


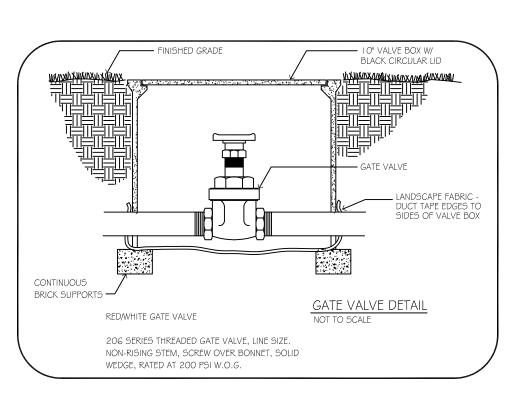


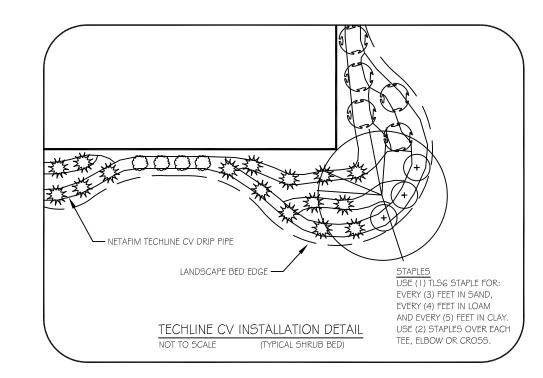




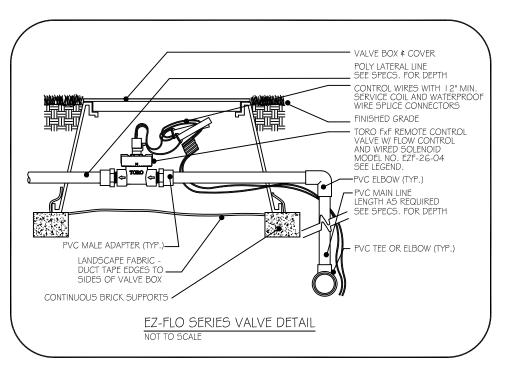


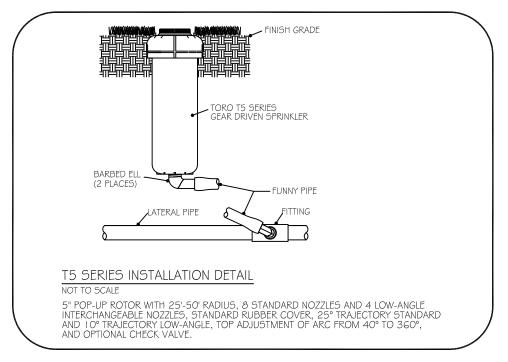


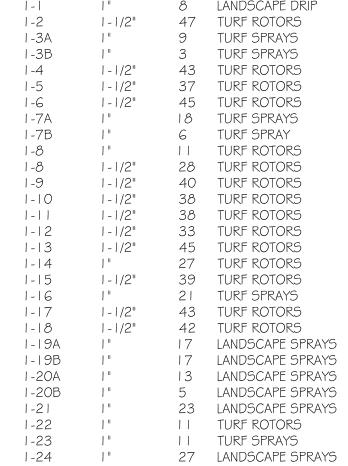




ZONE NUMBER	VALVE SIZE	GPM	ZONE TYPE
-	T "	8	LANDSCAPE DRIP
1-2	1-1/2"	47	TURF ROTORS
1-3A	I n	9	TURF SPRAYS
I-3B	1"	3	TURF SPRAYS
1-4	1-1/2"	43	TURF ROTORS
1-5	1-1/2"	37	TURF ROTORS
1-6	1-1/2"	45	TURF ROTORS
1-7A	1"	18	TURF SPRAYS
1-7B	T "	6	TURF SPRAY
1-8	T "	11	TURF ROTORS
1-8	1-1/2"	28	TURF ROTORS
1-9	1-1/2"	40	TURF ROTORS
1-10	1-1/2"	3 <i>8</i>	TURF ROTORS
1-11	1-1/2"	38	TURF ROTORS
1-12	1-1/2"	33	TURF ROTORS
1-13	1-1/2"	45	TURF ROTORS
1-14	1 "	27	TURF ROTORS
1-15	1-1/2"	39	TURF ROTORS
1-16	1 "	21	TURF SPRAYS
1-17	1-1/2"	43	TURF ROTORS
1-18	1-1/2"	42	TURF ROTORS
1-19A	L"	17	LANDSCAPE SPRAYS
1-19B	T "	17	LANDSCAPE SPRAYS
1-20A	1 ¹¹	13	LANDSCAPE SPRAYS
I-20B	"	5	LANDSCAPE SPRAYS
1-21	1 "	23	LANDSCAPE SPRAYS
1-22	1 "	11	TURF ROTORS
1-23	1 "	11	TURF SPRAYS







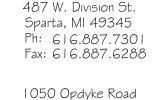


FOR ITS CORRECTNESS.







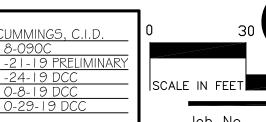


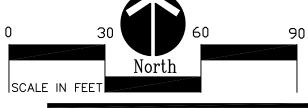
Fax: 248.373.8899

800.822.2216

(1) 10-F-01

Design By: Plan #: -21-19 PRELIMINAR Auburn Hills, MI 48326 Ph: 248.373.8800





Bid Ref#98854-005.0

Sheet No



	0,000		, , , , , , , , , , , , , , , , , , , ,	
⊗ ⊗ ⊖ ⊖ ⊝	570Z-12P	I 2'-MPR SERIES	TORO FIXED SPRAY POP-UP (12")	
0 0 0 0 0 0	570Z-12P	I 5'-MPR SERIES	TORO FIXED SPRAY POP-UP (12")	
&	570Z-12P	TVAN-12 NOZZLE	TORO FIXED SPRAY POP-UP (12")	
@	570Z-12P	TVAN-15 NOZZLE	TORO FIXED SPRAY POP-UP (12")	
000	570Z-4P	4ST-MPR SERIES	TORO FIXED SPRAY POP-UP (4")	
• • • • • •	570Z-4P	8'-MPR SERIES	TORO FIXED SPRAY POP-UP (4")	
	570Z-4P	I O'-MPR SERIES	TORO FIXED SPRAY POP-UP (4")	
• • • • • •	570Z-4P	I 2'-MPR SERIES	TORO FIXED SPRAY POP-UP (4")	
* * * > > >	570Z-4P	I 5'-MPR SERIES	TORO FIXED SPRAY POP-UP (4")	
9	570Z-4P	TVAN-12 NOZZLE	TORO FIXED SPRAY POP-UP (4")	
•	570Z-4P	TVAN-15 NOZZLE	TORO FIXED SPRAY POP-UP (4")	
0	T5PCK (P/C)	#1.5 LOW ANGLE NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP	
\oplus	T5PCK (F/C)	#3.0 LOW ANGLE NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP	
•	T5PCK (P/C)	#3.0 NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP	
•	T5PCK (F/C)	#6.0 NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP	
qcv ©	474-00		TORO I" QUICK COUPLER VALVE W/(I) KEY AND HOSE SWIVEL	
•	EZF-26-04		TORO I" ELECTRIC VALVE	
•	252-26-06		TORO 1-1/2" ELECTRIC VALVE	
	CCM24 ¢ CC-PED	24 STATION	TORO CUSTOM COMMAND CONTROLLER W/TWRS RAIN SWITCH	
	PVC 160# PIPE (ALL PIPE 1-1/2" AND LARGER)			
	- 100# POLYETHYLENE I	PIPE (PE-3408 NSF APPROVED) (AI	L PIPE DOWNSTREAM OF VALVE 1-1/4" AN	
NOT SHOWN	#1/111 APPPOVED 2/	IV/ PED CONTROL WIPE WITH A #1.	1 LII APPPOLIED WHITE COMMON WIPE	

LEGEND

8'-MPR SERIES

10'-MPR SERIES

TORO FIXED SPRAY POP-UP (12")

TORO FIXED SPRAY POP-UP (12")

80000 570Z-12P

AND SMALLER)

NOT SHOWN #14 UL APPROVED 24V RED CONTROL WIRE WITH A #14 UL APPROVED WHITE COMMON WIRE

POINT OF CONNECTION (P.O.C.)

► 765-2 WITH A GS-1 \$ EP-1 FEBCO 2" PRESSURE VACUUM BREAKER \$ GUARDSHACK ENCLOSURE WITH PAD Delta 206 SERIES RED/WHITE LINE 2" ISOLATION VALVE — · — TLCV4-18XXX NETAFIM .4 GPH CV DRIP PIPE TLCVXXX NETAFIM CV BLANK TUBING (AS SUPPLY & EXHAUST HEADERS) NETAFIM 3/4" PRESSURE REGULATOR

NOT SHOWN PRV075HF45V2K NOT SHOWN DF075-140 NETAFIM 3/4" FILTER NOT SHOWN TLO50MFV-1 NETAFIM LINE-FLUSHING VALVE

GENERAL NOTES:

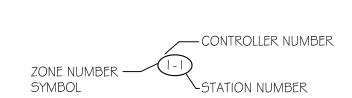
NOT SHOWN 10-F-01

- I. COORDINATE THIS WORK WITH ALL OTHER TRADES.
- 2. ALL PLUMBING AND ELECTRICAL SHALL BE INSTALLED ACCORDING TO STATE AND LOCAL CODES.
- 3. ALL SLEEVES SHALL BE BORED UNDER EXISTING WALKS, 4" PVC 160# (UNLESS OTHERWISE SPECIFIED). SLEEVE INSTALLATION SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.

NETAFIM OPERATION FLAG

- 4. ALL PIPE NOT SIZED DOWNSTREAM OF VALVE IS 1".
- 5. IRRIGATION CONTRACTOR'S POINT OF CONNECTION SHALL BE ON 2" SERVICE LINE STUBBED AT THE LOCATION SHOWN ON THE PLAN.
- 6. I I 5V POWER INTO CONTROLLER SHALL BE SUPPLIED BY ELECTRICAL CONTRACTOR.
- 7. CONTROLLER AND RAINSWITCH SHALL BE MOUNTED AT LOCATION SHOWN ON PLAN (VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE).
- 8. IRRIGATION CONTRACTOR SHALL ADJUST THE FLOW CONTROL FEATURE ON ALL ELECTRIC VALVES PER THE MANUFACTURER'S RECOMMENDATIONS TO MAXIMIZE THE VALVES PERFORMANCE AND LONGEVITY.
- 9. IF SITE PRESSURE IS NOT ADEQUATE, A BOOSTER PUMP AND RELATED EQUIPMENT MAY BE REQUIRED AT ADDITIONAL COST TO OWNER.
- IO. IRRIGATION PIPE AND EQUIPMENT SHOWN IN PAVED AREAS IS FOR CLARITY ONLY AND SHALL BE INSTALLED WITHIN THE TURF & LANDSCAPE AREAS.
- II. PIPE ROUTING IS DIAGRAMMATIC. ALL EQUIPMENT AND PIPE ARE TO BE FIELD ADJUSTED TO TAKE INTO CONSIDERATION ANY OBSTRUCTIONS AND ALL LANDSCAPE.

WATER REQUIREMENTS: 47 GPM @ 49 PSI AT THE P.O.C.



APPROXIMATELY 1645' OF TLCV4-18XXX DRIP PIPE (1) PRV075HF45V2K (I) DF075-140 (1) TLO50MFV-1

HARD COPY IS INTENDED TO BE 24"X36" WHEN PLOTTED. SCALE(S) INDICATED AND GRAPHIC QUALITY MAY NOT BE ACCURATE FOR ANY OTHER SIZES.

ARCHITECTS

Kalamazoo Michigan 49007 Phone (269) 381-3357 Fax (269) 381-2944

Landscape Architecture

Camp Planning & Design

Campus & Institutional Planning

Urban Planning

Parks & Recreation

350 East Michigan Avenue Suite #415

Date Issued For: OWNER REVIEW 05-17-23 ISSUE FOR BID 09-18-23

Bronson Park Improvements -

Lincoln Statue Electrical Revisions

Kalamazoo, Michigan

Overall Irrigation Plan

GENERAL DEMOLITION NOTES: 1. CONSTRUCTION ACTIVITIES SHALL BE MADE WITHOUT REMOVAL OR DISTURBANCE OF HARD SURFACES. 2. LOCATE EXISTING UNDERGROUND UTILITIES BEFORE **GENERAL CONSTRUCTION NOTES:** 1. CONSTRUCTION ACTIVITIES SHALL BE MADE WITHOUT REMOVAL OR DISTURBANCE OF HARD SURFACES. 2. LOCATE EXISTING UNDERGROUND UTILITIES BEFORE DIGGING AND AVOID DAMAGING THEM DURING CONSTRUCTION. 3. INSTALL UNDERGROUND CONDUITS BY DIRECTIONAL BORING AND PATCH DISTURBED AREAS TO MATCH EXISTING. 4. UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC AND BURIED AT 24" BELOW FINISHED GRADE. 5. INSTALL ALL EQUIPMENT PER MANUFACTURERS INSTRUCTIONS. 6. COORDINATE WITH THE OWNER THE LOCATION OF THE OUTDOOR GROUND BOXES. **KEYED ELECTRICAL DEMOLITION NOTES:** REMOVE WITH ASSOCIATED ELECTRICAL BACK TO SOURCE. RESTORE DISTURBED GROUND AREA TO MATCH EXISTING CONDITIONS. () KEYED CONSTRUCTION NOTES: 1. OUTDOOR GROUND BOX WITH QUADPLEX RECEPTACLE (2 CIRCUITS) -LEGRAND XB814C520BK/XB814CL615BK/LOCK NUT TOOL #KBLNT. INSTALL FLUSH WITH FINISHED GRADE 2. 3 #10, 1°C. 3. 5 #10, 1°C. 4. BORE UNDER PATHWAY. 5. CONNECT NEW SCHEDULE 40 PVC CONDUIT TO EXISTING HANDHOLE. 6. REFER TO LOW PROFILE POLE FOUNDATION DETAIL.

ELECTRICAL SPECIFICATIONS

DISTRIBUTION SWITCHGEAR OR PANELBOARD.

THE CONSTRUCTION DOCUMENTS.

REVIEW OF THE FOLLOWING ITEMS:

a. CIRCUIT BREAKERS

3. WORK SHALL BE PERFORMED BY LICENSED ELECTRICIANS.

TO THE DEVICE WITH SHEET METAL SCREWS.

PROVIDE TYPEWRITTEN DIRECTORIES FOR PANEL.

11. REMOVE CONSTRUCTION DEBRIS ON A DAILY BASIS.

UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ATTEMPT TO CONNECT

NEW ELECTRICAL DEVICES OR CIRCUITS TO AN EXISTING ENERGIZED POWER

ELECTRICAL WORK SHALL CONFORM TO THE APPLICABLE NATIONAL ELECTRIC

CODE, STATE AND LOCAL CODES. ELECTRICAL MATERIALS SHALL BE UL LISTED

AND APPROVED FOR THE PURPOSE. ELECTRICAL CONTRACTORS SHALL OBTAIN

AND PAY FOR REQUIRED PERMITS AND CERTIFICATES OF INSPECTION FOR THE

WORK INDICATED IN THE CONSTRUCTION DOCUMENTS AND SPECIFIED HEREIN.

ALL WIRING SHALL BE COPPER, RATED AT 600V OR AS INDICATED IN THE

20A CIRCUITS SHALL BE #10 AWG MINIMUM, TYPE THW, THHN, OR THWN.

WIRING SHALL BE INSTALLED IN CONDUITS. USE PVC SCHEDULE 40 FOR

FOR NEW ELECTRICAL DEVICES SUCH AS CIRCUIT BREAKERS AND DISCONNECT

SWITCHES, PROVIDE BLACK LAMINATED PLASTIC NAMEPLATE WITH WHITE LETTERS, INDICATING POWER SOURCE AND LOAD SERVED. ATTACH NAMEPLATE

ELECTRICAL CONTRACTOR SHALL LEAVE ENTIRE ELECTRICAL SYSTEM IN

PROPER WORKING ORDER, AND SHALL EXTEND TO OWNER ANY GUARANTEE

EXTENDED BY MANUFACTURER OR EQUIPMENT AND DEVICES INSTALLED AND

FURNISHED BY CONTRACTOR. GUARANTEE PERIOD SHALL BE EXTENDED BY

GUARANTEE SHALL COVER LABOR AND MATERIALS NECESSARY TO CORRECT

ON COMPLETION OF WORK, PROVIDE TWO SETS OF "AS BUILT" DRAWINGS TO

DEFECTS IN MATERIALS OR WORKMANSHIP DURING GUARANTEE PERIOD.

10. SUBMIT SHOP DRAWINGS, BEFORE COMMENCING INSTALLATION WORK, FOR

CONTRACTOR FOR ONE YEAR AS OF THE DATE OF SUBSTANTIAL COMPLETION.

BURIED UNDERGROUND CONDUITS. SEAL CONDUITS AT BOTH ENDS.

CONSTRUCTION DOCUMENTS, AS SUITED FOR THE APPLICATION TYPE THW,

THHN, OR THWN. WIRING SIZE SHALL BE AS INDICATED HEREIN AS NOTED IN

PANEL COMPUTATION/RECORD SHEET PANEL ID: PNL-EV3 (EXISTING) LOAD - VOLT AMPERES LTG MTR RCPT OTHER LTG MTR RCPT OTHER KISTING RECEPTACLE XISTING RECEPTACE EXISTING RECEPTACLE EXISTING RECEPTACLE EXISTING 30A STRAIGHT BLADE RECEPTACLE EXISTING RECEPTACLE EXISTING RECEPTACLE 20A DUPLEX RECEPTACLE (BOX 1) EXISTING RECEPTACE 20A DUPLEX RECEPTACLE (BOX 1) 20A DUPLEX RECEPTACLE (BOX 2) EXISTING RECEPTACLE 20A DUPLEX RECEPTACLE (BOX 2) 20A DUPLEX RECEPTACLE (BOX 3) 20A DUPLEX RECEPTACLE (BOX 3) 0 0 1600 0 **SUBTOTALS** SQUARE-D QO LOAD CENTER MIN AMP: GF= NEW GROUND FAULT INT. CB MOUNTING: PANEL ID: PNL-EV3 (EXISTING PANEL COMPUTATION/RECORD SHEET LOAD - VOLT AMPERES CKT PH CKT LOAD - VOLT AMPERES CKT LTG MTR RCPT OTHER LTG MTR RCPT OTHER # EXISTING RECEPTACLE EXISTING RECEPTACLE EXISTING 30A TWIST LOCK RECEPTACLE 20 B 2 30 EXISTING RECEPTACLE EXISTING RECEPTACLE EXISTING 30A STRAIGHT BLADE RECEPTACLE EXISTING RECEPTACLE 20A DUPLEX RECEPTACLE (BOX 4) EXISTING RECEPTACLE 20A DUPLEX RECEPTACLE (BOX 4) EXISTING RECEPTACLE EXISTING RECEPTACE 20A DUPLEX RECEPTACLE (BOX 5) 20A DUPLEX RECEPTACLE (BOX 5) 20A DUPLEX RECEPTACLE (BOX 6) 20A DUPLEX RECEPTACLE (BOX 6)

1 20 B 1 20

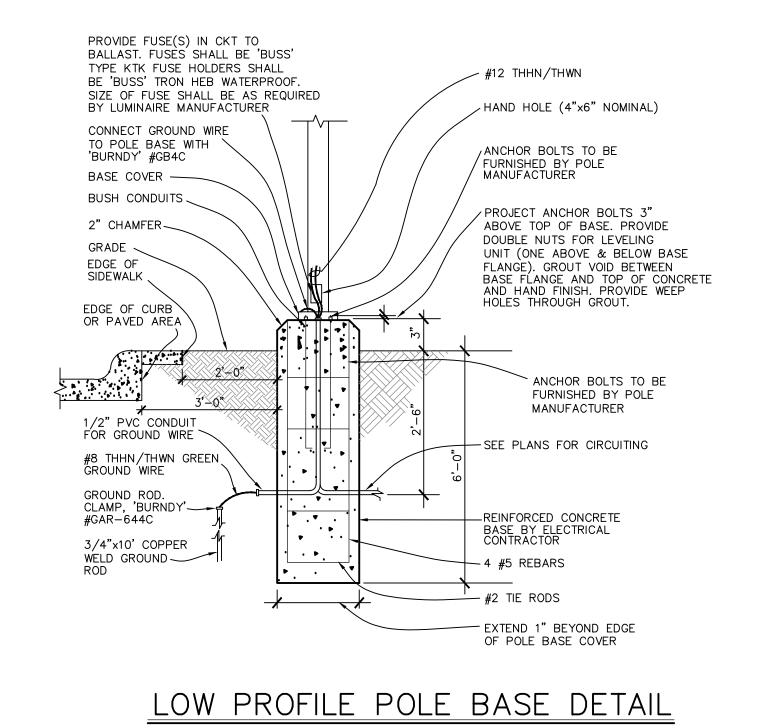
MOUNTING:

MAIN LUG:

MAIN CKT BKR:

GF= NEW GROUND FAULT INT. CB

PANEL ID: PNL-EV5 (EXISTIN





Landscape Architecture Urban Planning Parks & Recreation Campus & Institutional Planning Camp Planning & Design

W.O. 453-023



SYMBOL LEGEND

DEMOLITION

NEW UNDERGROUND

(BELOW GRADE)

ELECTRICAL

GRADE)

VAULT (ABOVE

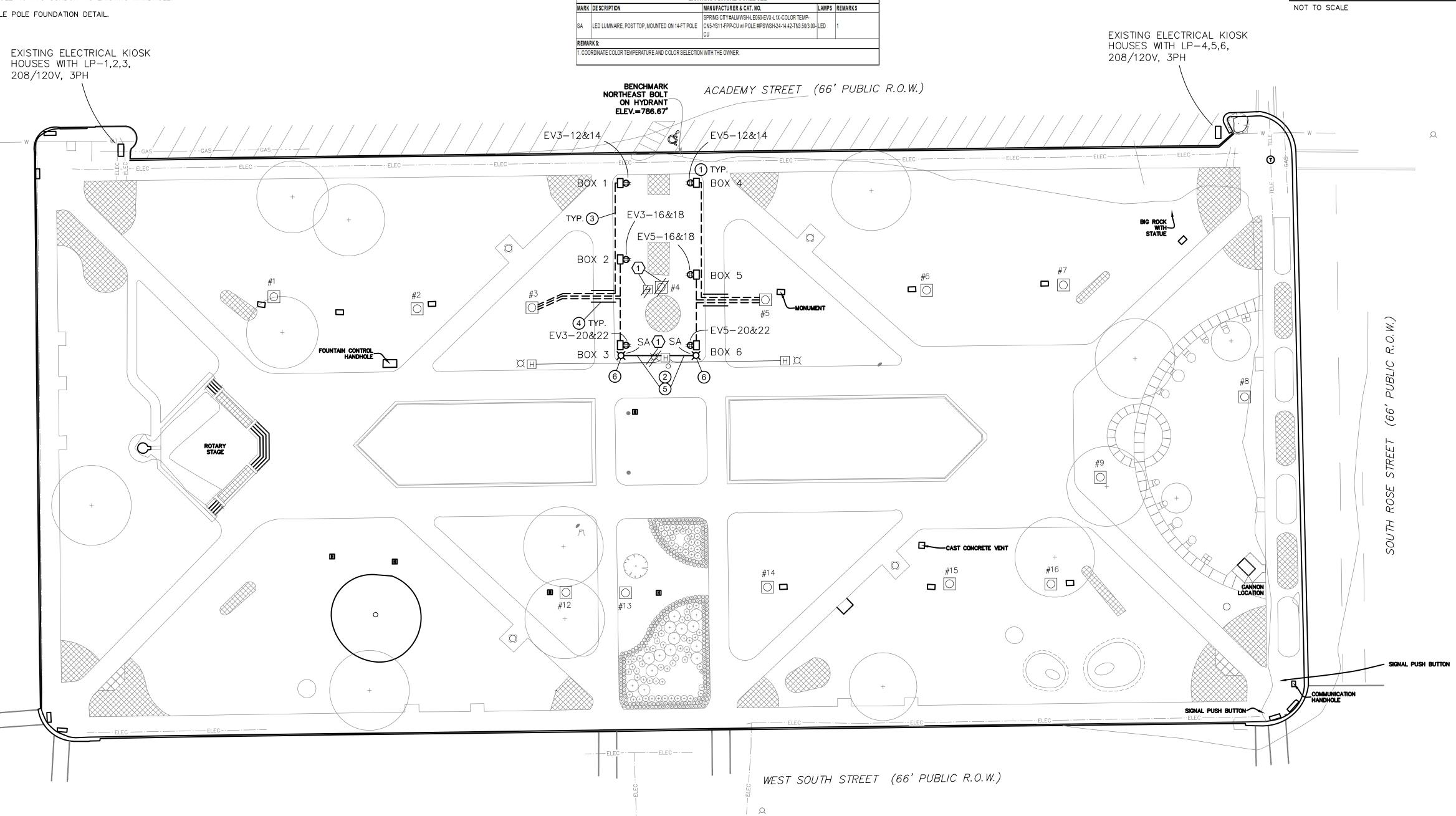
ELECTRICAL HANDHOLE

OUTDOOR GROUND BOX

SCALE: 1"=30'

EXISTING

616,949,3340 www.geotech-inc.com



ELECTRICAL PLAN

0 0 1600 0 **SUBTOTALS**

LIGHTING FIXTURE SCHEDULE

Bronson Park Improvements -

HARD COPY IS INTENDED T

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05-17-23

09-18-23

Issued For:

OWNER REVIEW ISSUE FOR BID

Kalamazoo, Michigan

Electrical Revisions

Lincoln Statue

SITE ELECTRICAL PLAN

52241 Bid Ref#98854-005.0