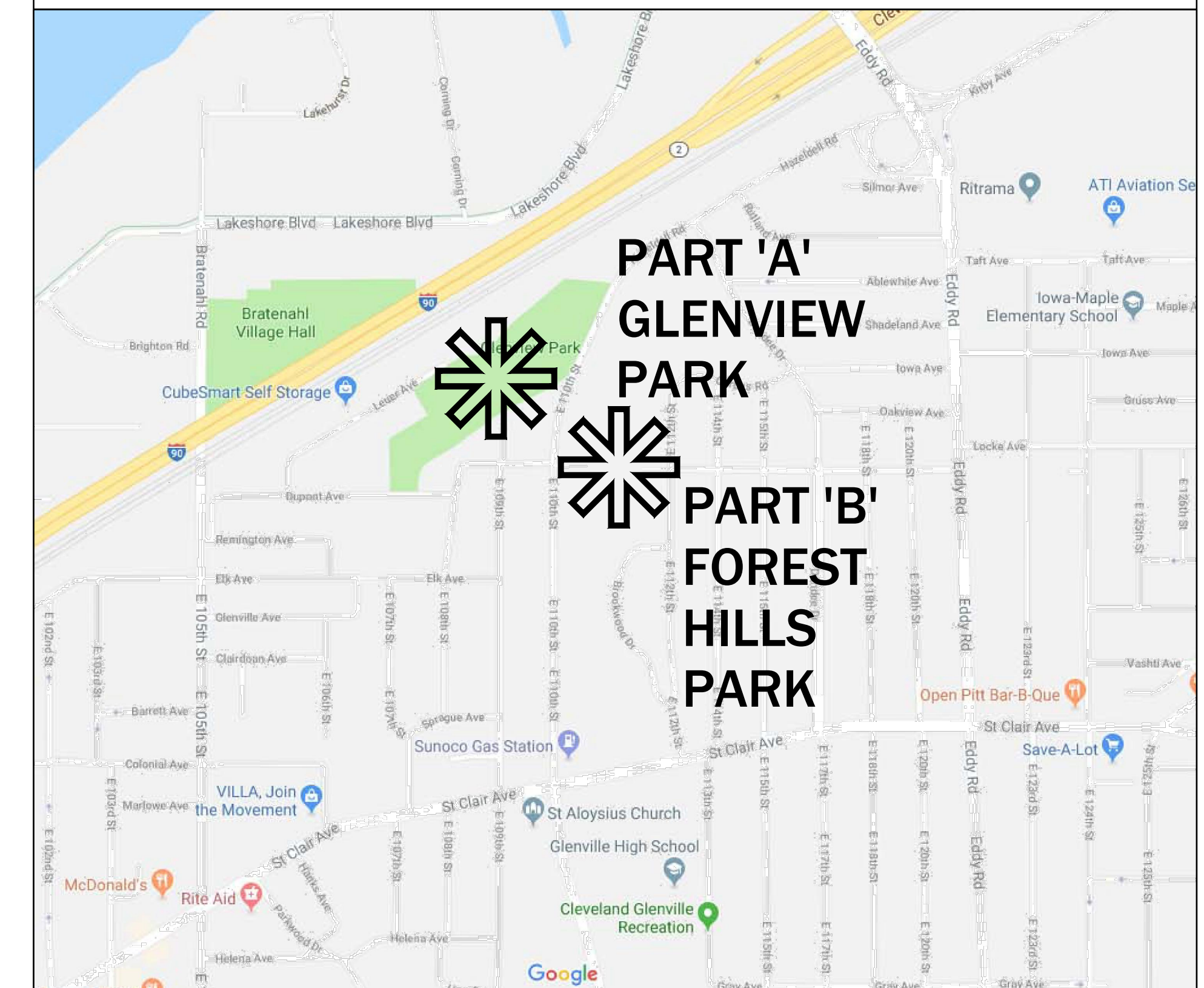


THE CITY OF CLEVELAND
FOREST HILLS/GLENVIEW PARKS - PHASE II
2019 PARKS PUBLIC IMPROVEMENTS
PARTS 'A' & 'B'
351 E. 110TH STREET
CLEVELAND, OHIO 44108

DEPARTMENT OF PUBLIC WORKS
MAYOR'S OFFICE OF CAPITAL PROJECTS

LOCATION MAP



City of Cleveland
 Mayor's Office of Capital Projects
**Division of Architecture
 and Site Development**
 Cleveland City Hall, 601 Lakeside Avenue, Room 517A
 Cleveland, OH 44114-1015
 Phone: (216) 664-2374 Fax: (216) 664-4220

Project Team:
Project Lead, Landscape Architect:
 Behnke Landscape Architecture
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 PH: 216-589-9100
 WEB: www.behnke.com
Engineering:
 Osborn Engineering
 1100 Superior Avenue, Ste. 300
 Cleveland, Ohio 44114
 PH: 216-861-2020
 WEB: www.osborn-eng.com

FRANK G. JACKSON, MAYOR
 CITY OF CLEVELAND

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 CLEVELAND CITY COUNCIL

ANTHONY T. HAIRSTON
 COUNCILMAN, WARD 10

MICHAEL E. COX, DIRECTOR
 DEPARTMENT OF PUBLIC WORKS

MATTHEW L. SPRONZ, DIRECTOR
 MAYOR'S OFFICE OF CAPITAL PROJECTS

CARTER A. EDMAN, MANAGER
 MAYOR'S OFFICE OF CAPITAL PROJECTS,
 ARCHITECTURE & SITE DEVELOPMENT

DRAWING INDEX

SITE DRAWINGS:
 SD0.1 SITE REFERENCE PLAN
 SD1.1 SITE DEMOLITION PLAN
 SD2.1 SITE LAYOUT PLAN
 SD3.1 - SD3.2 SITE GRADING PLAN
 SD4.1 SITE PLANTING PLAN
 SD5.1 - SD5.2 SITE DETAILS

**MAYOR'S OFFICE OF
 CAPITAL PROJECTS**
 CITY OF CLEVELAND
 Division of Architecture and Site Development
 601 Lakeside Avenue; Room 517A
 Cleveland, Ohio 44114
 Telephone: (216) 664-3656
 Facsimile: (216) 664-4220
 Contact Person: Jim McKnight

SURVEYOR:
 Stephan Hovancsek & Associates
 2 Merit Drive
 Richmond Heights, Ohio 44143
 Telephone: 216-731-6255
 Facsimile: 216-731-4483
 Contact Person: Ryan Snezek

**LANDSCAPE
 ARCHITECTURE:**
 Behnke Landscape Architecture
 2658 Scranton, Suite 2
 Cleveland, Ohio 44113
 Telephone: 216-589-9100
 Facsimile: 216-589-8560
 Contact Person: Marie Dowling

**ARCHITECTURE & CIVIL, ELECTRICAL,
 AND MECHANICAL ENGINEERS:**
 Osborn Engineering
 1100 Superior, Suite 300
 Cleveland, Ohio 44114
 Telephone: (216) 861-2020
 Facsimile: (216) 861-3329
 Contact Person: Jon-Michael Lemon

BUILDING CODE SUMMARY

PARCEL NO: FOREST HILLS PP#111-01-003
 GLENVIEW PP# _____
 MARTIN LUTHER KING PP# _____

EXISTING GROSS S.F. SITE AREA: Sq. Ft. ACRES

USE GROUP: (N/A)

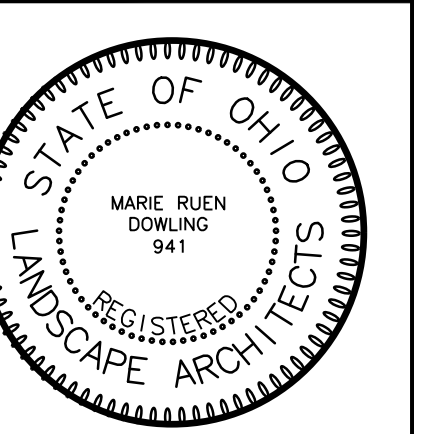
TYPE OF CONSTRUCTION: (N/A)

SCOPE OF WORK:
 ADDING BASKETBALL COURTS AND WALKING PATH AT FOREST HILLS; PART 'B'
 NATURALIZED PLANTINGS AT GLENVIEW 'PART A'

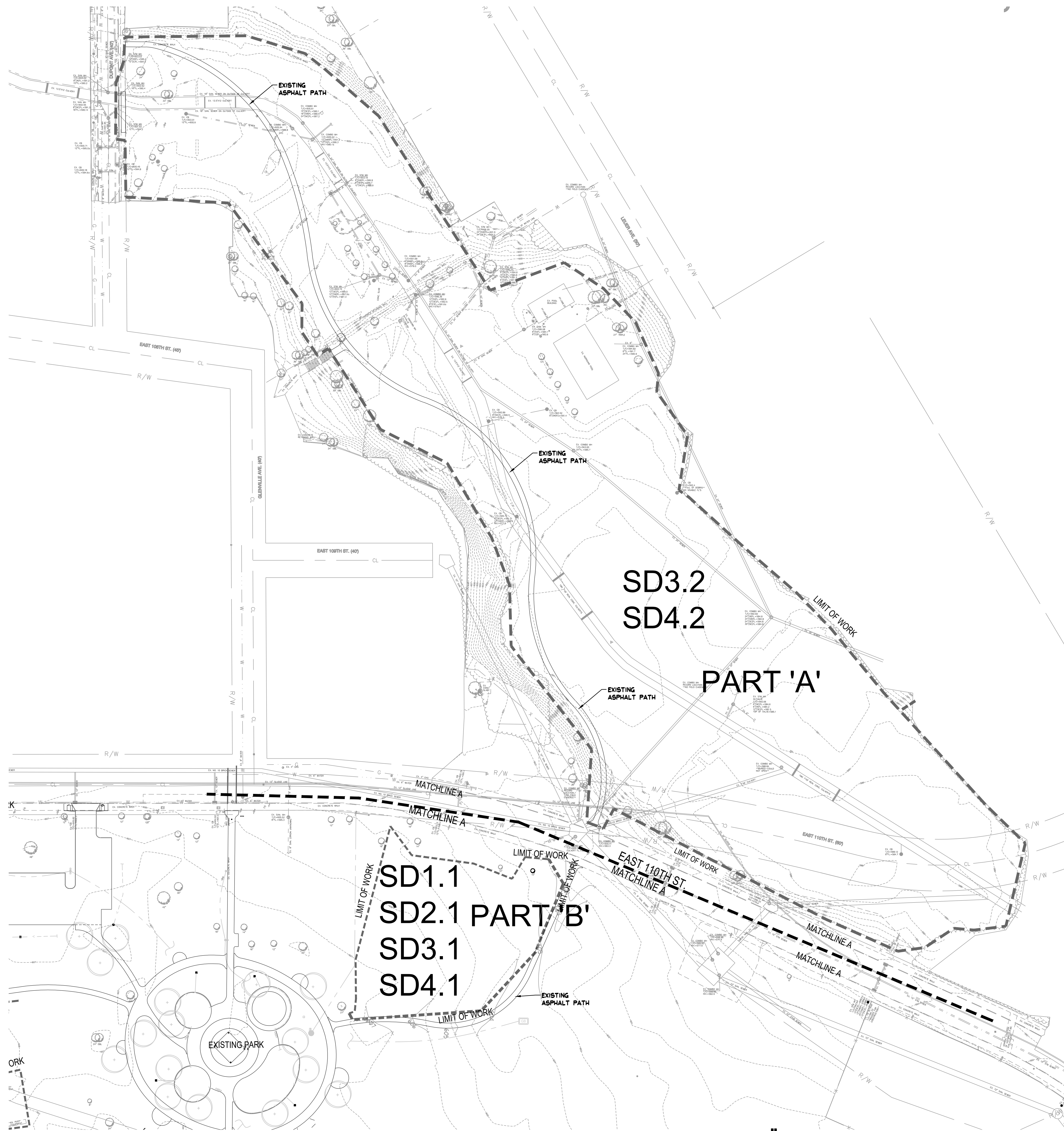
CONSTRUCTION CLASSIFICATION:
 (N/A)

ZONING REQUIREMENTS:
 (N/A)

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FOREST HILLS/GLENVIEW PARKS-PHASE II
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DRAWN BY:		DATE:	
CHECKED BY:		DATE:	
SCALE:			
SHEET NO:			
COVER			

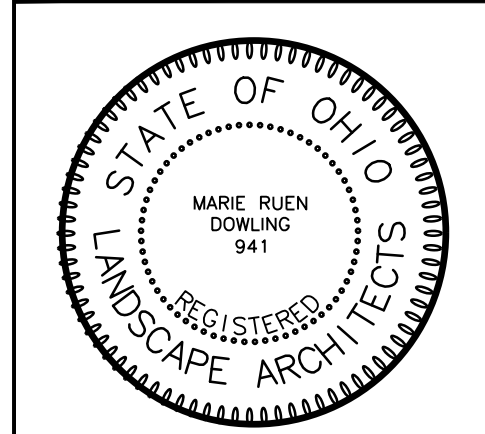


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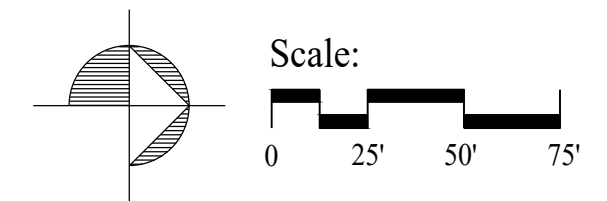
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NO.	DESCRIPTION
1	09/05/19 BID SET

SITE REFERENCE PLAN	
DESIGNED BY:	DATE:
DRAWN BY:	DATE:
CHECKED BY:	DATE:
SCALE:	SEE SHEET
SHEET NO.:	SD0.1

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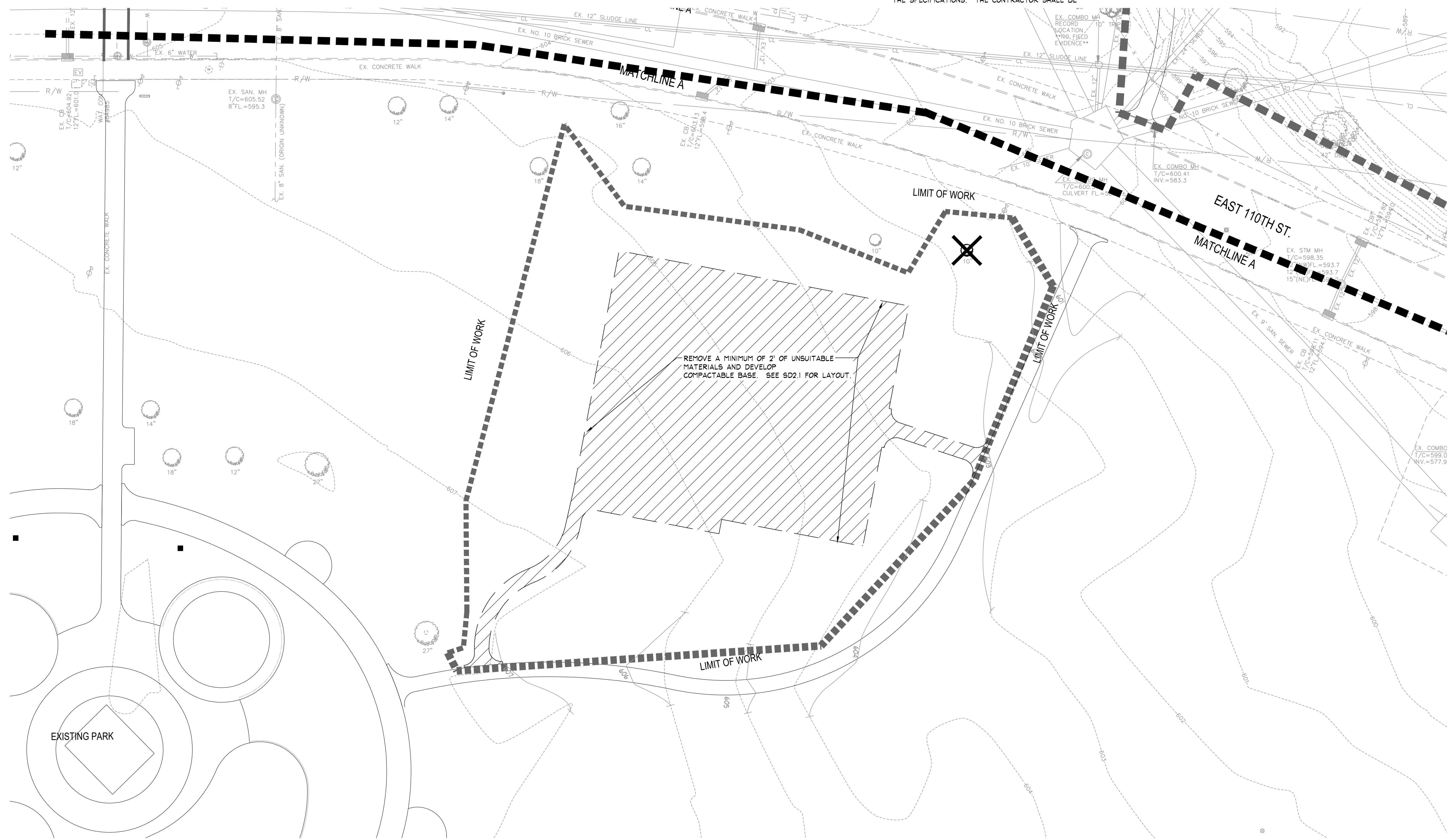


LEGEND:

-  REMOVE A MINIMUM OF 2' OF UNSUITABLE MATERIALS AND DEVELOP COMPACTABLE BASE
-  LIMIT OF WORK

DEMOLITION GENERAL NOTES

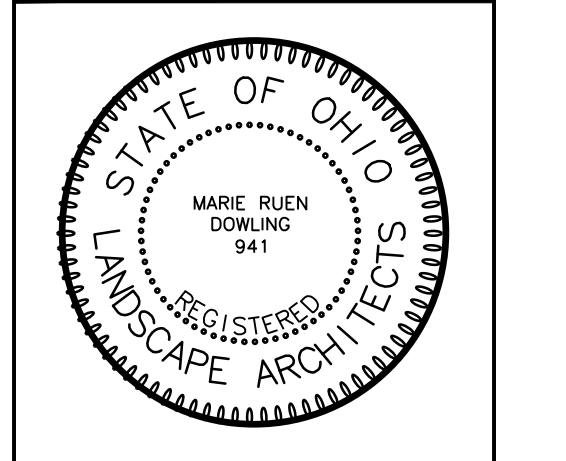
1. THIS DRAWING IS FOR SITE PREPARATION & SURVEY REFERENCE PURPOSES ONLY. NOTE #2, HOWEVER, APPLIES TO ALL SD- DRAWINGS.
2. EXISTING CONDITIONS AND UTILITIES ARE SHOWN ON THE PLANS FROM THE DATA AVAILABLE AT THE TIME OF DRAWING COMPILATION, AND ARE NOT PURPORTED TO BE COMPLETE OR EXACT.
 - A. FIELD VERIFY EXISTING CONDITIONS, PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR EMPLOYING A PRIVATE UTILITY-LOCATING SERVICE, IN ADDITION TO O.U.P.S., FOR VERIFYING THE LOCATION OF THE UTILITIES SHOWN, AND LOCATING ANY UNMARKED UTILITIES.
 - B. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING & MAINTAINING ALL UTILITIES TO REMAIN, AND REPAIRING ALL DAMAGED UTILITIES TO REMAIN, AT NO ADDITIONAL COST TO THE OWNER.
 - C. IF ANY UTILITY IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY, NOTIFY THE OWNER'S REPRESENTATIVE, AND WAIT FOR AUTHORIZATION TO PROCEED.
3. A DETAILED CONSTRUCTION SCHEDULE SHALL BE SUBMITTED & APPROVED PRIOR TO THE START OF ANY DEMOLITION AND/OR CONSTRUCTION.
4. ALL EXISTING UTILITY CASTINGS, INCLUDING MANHOLES, CATCH BASINS, VALVES, VALVE BOXES, ETC. SHALL REMAIN AND BE ADJUSTED TO PROPOSED GRADES, UNLESS OTHERWISE NOTED. SEE GRADING AND UTILITY PLAN FOR LOCATIONS AND ELEVATIONS OF MANHOLES AND CATCH BASINS SO AFFECTED. THE CONTRACTOR SHALL COORDINATE WORK WITH RESPECTIVE UTILITY COMPANIES.
5. THE CONTRACTOR SHALL REMOVE EXISTING TREES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE LANDSCAPE ARCHITECT. TREES TO BE REMOVED SHALL BE MARKED IN THE FIELD PRIOR TO ANY DEMOLITION AND/OR CONSTRUCTION. ALL TREES TO REMAIN SHALL BE PROTECTED FROM ALL ASPECTS OF CONSTRUCTION AS PER THE SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ALL DAMAGED TREES AT HIS OWN EXPENSE. EXISTING PLANT MATERIAL SCHEDULED TO BE REMOVED, SHALL INCLUDE STUMP GRADING TO A MINIMUM DEPTH OF 24" BELOW FINISHED GRADE.
 6. THE CONTRACTOR SHALL PROTECT ALL EXISTING PAVEMENTS, WALKS, AND CURB AREAS FROM TRUCK TRAFFIC ON THE SITE. ANY DAMAGE TO PROTECTED SITE FEATURES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
 7. THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY SAFETY MEASURES THROUGHOUT THE DEMOLITION AND/OR CONSTRUCTION ACTIVITY PERIOD TO PROTECT THE SAFETY, HEALTH AND WELFARE OF THE GENERAL PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY, STREET CLEANING AND TRAFFIC CONTROL AS NEEDED. REFER TO THE SPECIFICATIONS.
 8. NO ON-SITE BURIAL OR BURNING OF CLEARED VEGETATION AND/OR DEMOLISHED DEBRIS IS PERMITTED.



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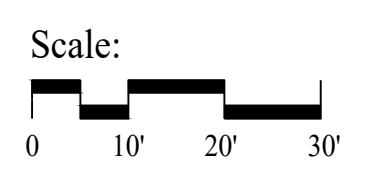
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NO.	DESCRIPTION
1	09/05/19 BID SET
TITLE: PART 'B' SITE DEMOLITION PLAN	
DESIGNED BY:	DATE:
DRAWN BY:	DATE:
CHECKED BY:	DATE:
SCALE:	SEE SHEET
SHEET NO.:	SD1.1

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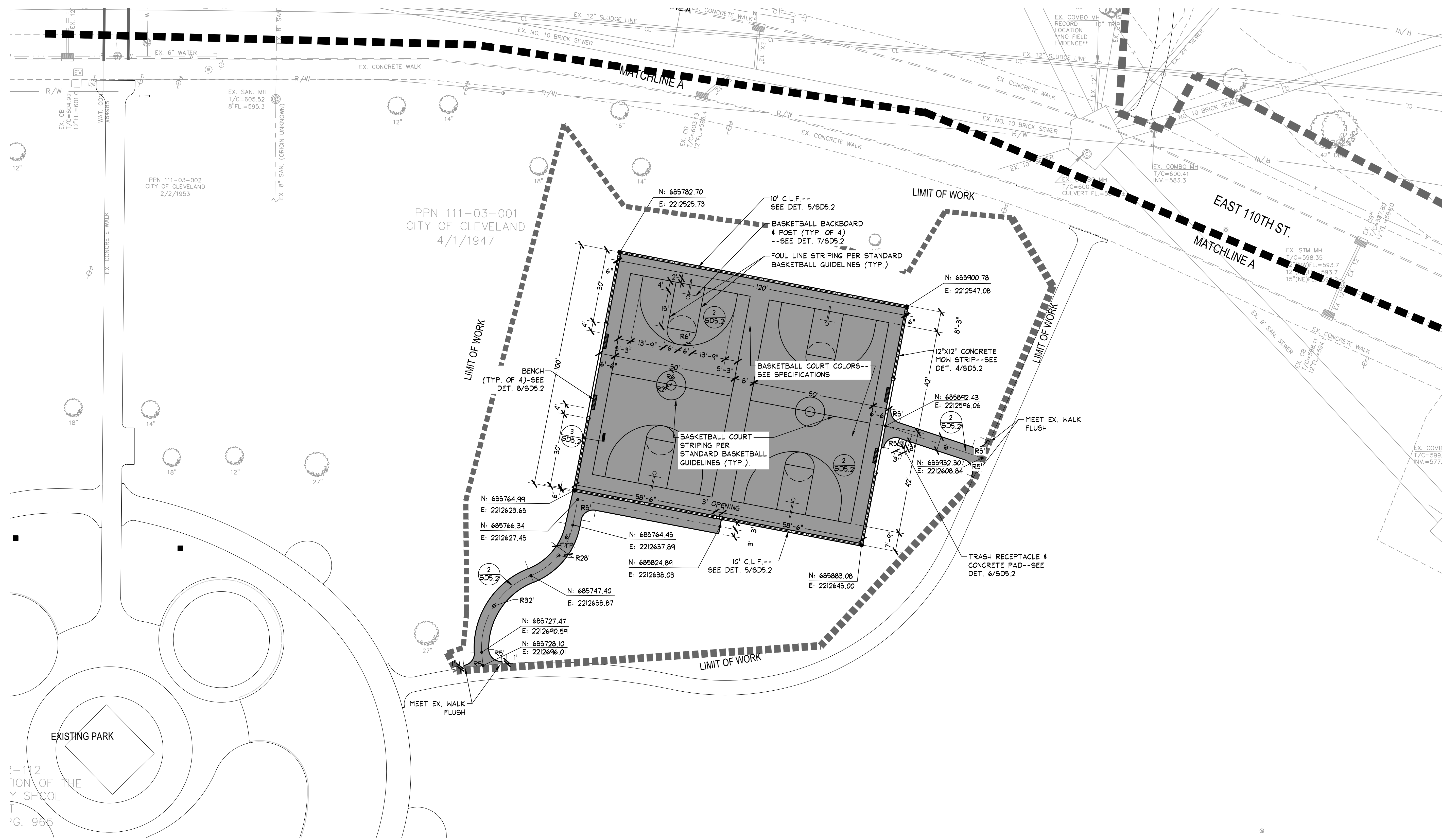


LEGEND:

- LIGHT-DUTY ASPHALT PAVEMENT - SEE DET. 2/SD5.2
- 10' C.L.F. -- SEE DET. 5/SD5.2
- EDGE WITH CURB
- PAVEMENT EDGE WITH NO CURB
- CURVE PC (POINT OF CURVATURE,) AND PT (POINT OF TANGENCY)
- CENTERLINE
- LIMIT OF WORK
- BENCH--SEE DET. 8/SD5.2
- TRASH RECEPTACLE--SEE DET. 6/SD5.2

LAYOUT GENERAL NOTES:

1. THIS SHEET IS FOR SITE LAYOUT & DETAIL REFERENCE ONLY.
2. ALL DIMENSIONS/COORDINATES ARE TO FACE OF CURBS AND WALLS, UNLESS NOTED OTHERWISE ON DRAWING.
3. PROVIDE CONTROL JOINTS ON CURBS EVERY 10', MAX., AND AT P.C.'S AND P.T.'S. PROVIDE EXPANSION JOINTS EVERY 30', MAX.
4. ALL COURTS TO HAVE COLOR SEALCOAT.
5. ALL FENCING AROUND COURTS TO BE 10' HIGH WITH 2" FABRIC.
6. THIS DRAWING WILL BE AVAILABLE TO CONTRACTOR IN CAD FORMAT, FOR LAYOUT PURPOSES.

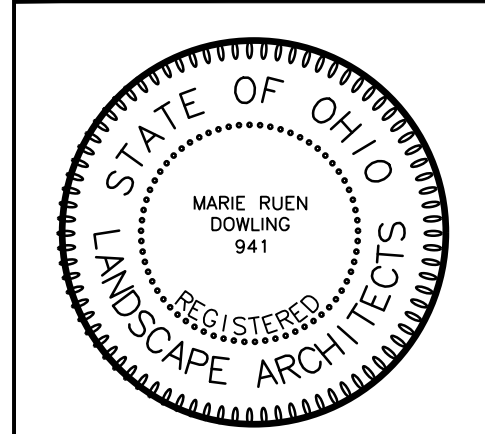


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ISSUED / REVISED	NO.	DATE	DESCRIPTION
1	09/05/19		BID SET

TITLE	
DESIGNED BY:	PART 'B' SITE LAYOUT PLAN
DATE:	
DRAWN BY:	
DATE:	
CHECKED BY:	
DATE:	
SCALE:	SEE SHEET
SHEET NO.:	SD2.1

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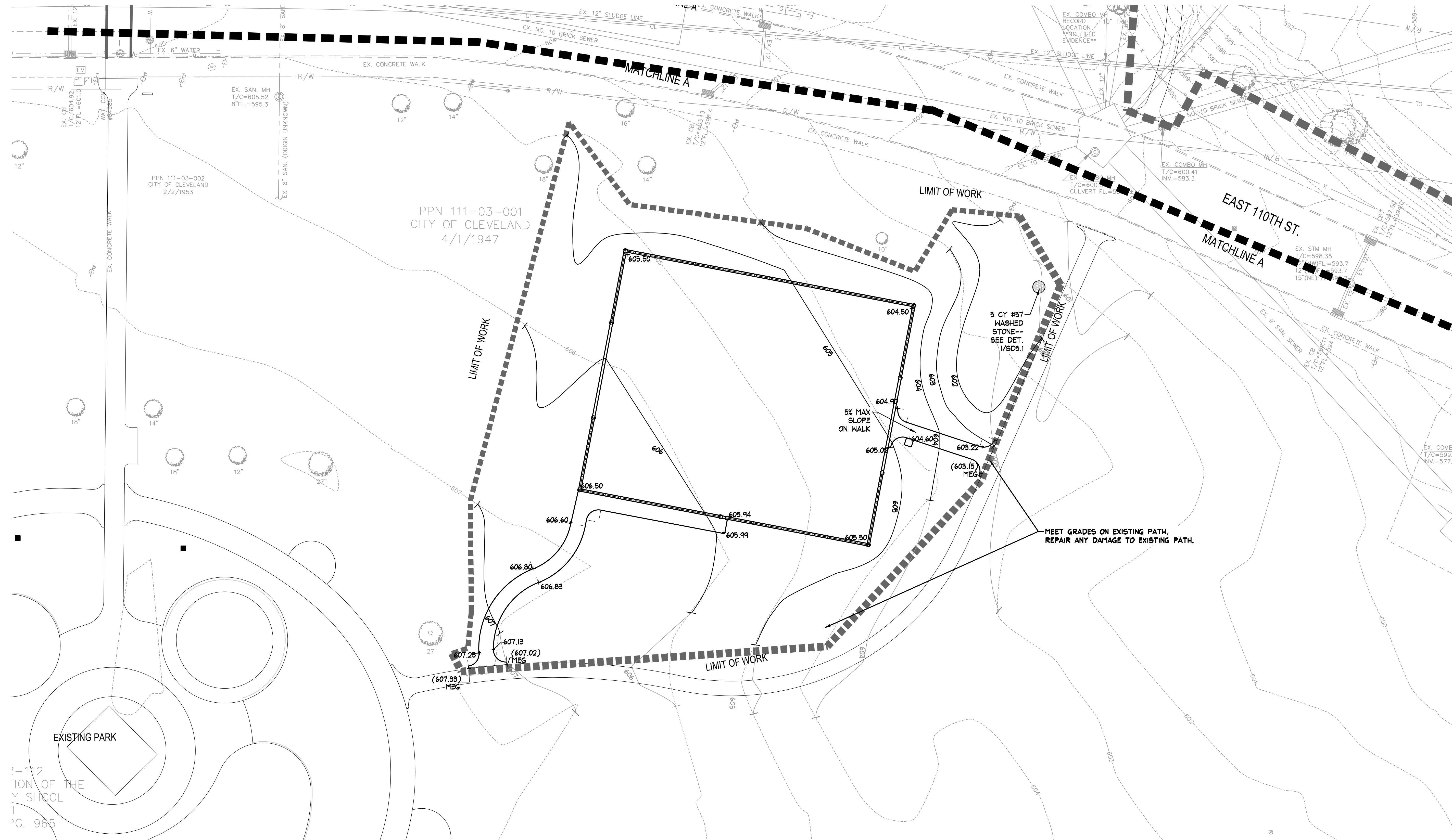
Scale:
 0 10' 20' 30'

LEGEND:

- 1150 -- EXISTING CONTOUR
- 672 -- PROPOSED CONTOUR
- 610.50 -- PROPOSED SPOT ELEVATION
- MEG -- MEET EXISTING GRADE

GRADING GENERAL NOTES FOR SHEETS SD3.1 AND SD3.2:

1. THIS SHEET IS FOR GRADING PURPOSES ONLY.
2. ALL EXISTING INFORMATION IS TAKEN FROM A VARIETY OF RECORD SOURCES. THIS INFORMATION DOES NOT PURPORT TO BE 100% ACCURATE AND OR COMPLETE. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS MATTER ON BEHALF OF THE CONTRACTOR FOR ANY ERRORS OR NEGLIGENCE ON HIS PART.
3. PER STATE LAW, THE CONTRACTOR IS REQUIRED TO CONTACT THE OHIO UTILITY PROTECTION SERVICE (800-362-2764) 48 HOURS PRIOR TO ANY DEMOLITION AND/OR CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN AND FORWARD A FILE REFERENCE NUMBER TO THE LANDSCAPE ARCHITECT.
4. THE EXISTING CONTOURS ARE INTERPOLATED AS SHOWN AND SHOULD BE CONSIDERED APPROXIMATE.
5. THE LOCATION OF ALL UNDERGROUND UTILITIES ON THESE DRAWINGS DO NOT PURPORT TO BE 100% ACCURATE AND/OR COMPLETE AND SHOULD BE CONSIDERED APPROXIMATE. THE UTILITIES SHOWN ON THESE PLANS ARE FROM THE BEST AVAILABLE RECORDS AND FIELD INVESTIGATIONS. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES LOCATED ON SITE WHETHER INDICATED ON THIS PLAN OR NOT. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY SUPPORT PRECAUTIONS AND OR DAMAGE INCURRED.
6. THE CONTRACTOR SHALL COORDINATE ALL VEHICULAR ENTRY AND EXIT TO THE CONSTRUCTION AREA WITH THE LANDSCAPE ARCHITECT. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE AND/OR REPLACE ANY AREA DISTURBED BY CONSTRUCTION VEHICLES DURING ANY PHASE AND/OR CONSTRUCTION ACTIVITIES.
7. ALL CONSTRUCTION VEHICLES ARE STRICTLY PROHIBITED FROM DRIVING AND/OR PARKING UNDER THE DRIP LINES OF EXISTING TREES. NO EXCEPTIONS!
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES OCCURRING TO ANY EXISTING ITEM SCHEDULED TO REMAIN DURING ANY PHASE OF DEMOLITION AND/OR CONSTRUCTION. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
9. THE CONSTRUCTION SIGN SHALL BE INSTALLED AS DIRECTED BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION AND/OR CONSTRUCTION. NO EXCEPTIONS!
10. ALL GRADES SHOWN ARE FINAL FINISH GRADES.
11. MEET ALL EXISTING GRADES FLUSH.
12. ALL LAWN AREAS TO MEET PAVEMENT EDGES FLUSH AFTER SETTLEMENT, AND HAVE A 2% MIN. SLOPE, UNLESS NOTED OTHERWISE ON THE PLAN.
13. ALL PAVED SURFACES TO HAVE A MINIMUM 1.0% SLOPE.
14. ALL ACCESSIBLE PEDESTRIAN TRAVEL ROUTES SHALL NOT HAVE CROSS SLOPES GREATER THAN 2% AND SHALL NOT HAVE SLOPES PARALLEL TO THE TRAVEL PATH GREATER THAN 5%. ALL CHANGES IN DIRECTION SHALL HAVE A 5' X 5' AREA WHICH DOES NOT EXCEED 2% IN ANY DIRECTION.
15. LOCATIONS OF ALL SPOT ELEVATIONS RELATE TO PAVEMENT CORNERS, PAVEMENT POINTS OF CURVATURE OR TANGENCY, OR ARE AT THE OPPOSITE WALK EDGE OF THOSE POINTS, AS LOCATED ON THE SITE LAYOUT DRAWING.
16. REFER TO EXISTING FEATURES SITE PLAN, SHEET SI.1 FOR BENCHMARK INFORMATION.



EXISTING PARK
LOCATION OF THE
Y SCHOOL
G. 966

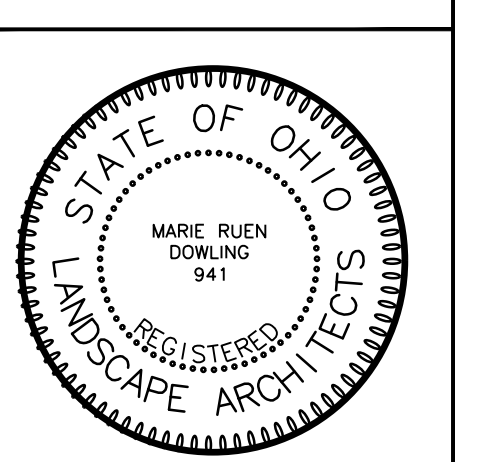
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Scale:
0 10' 20' 30'

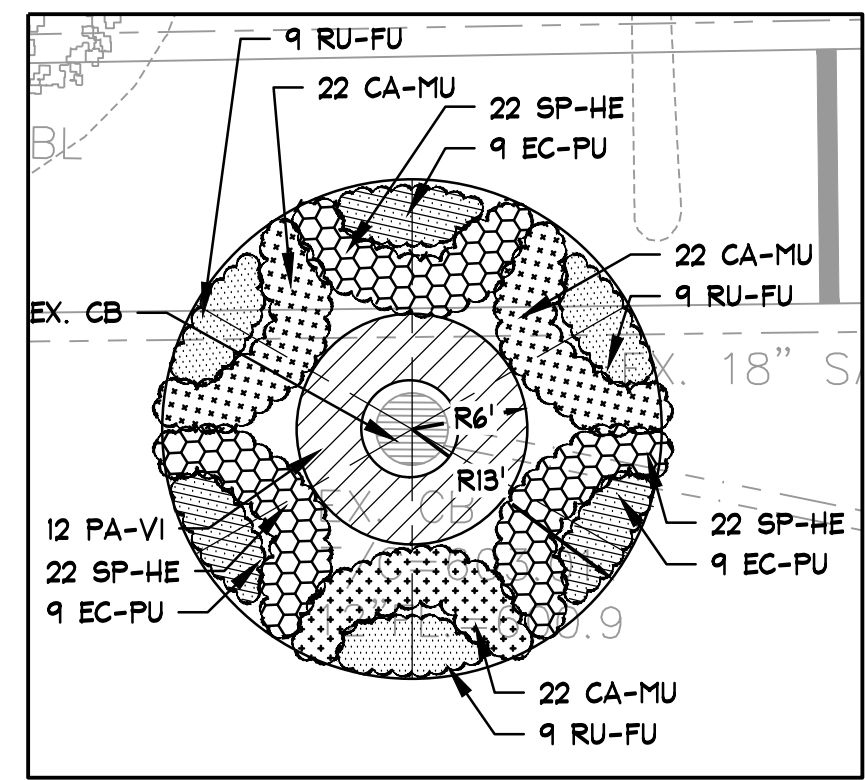
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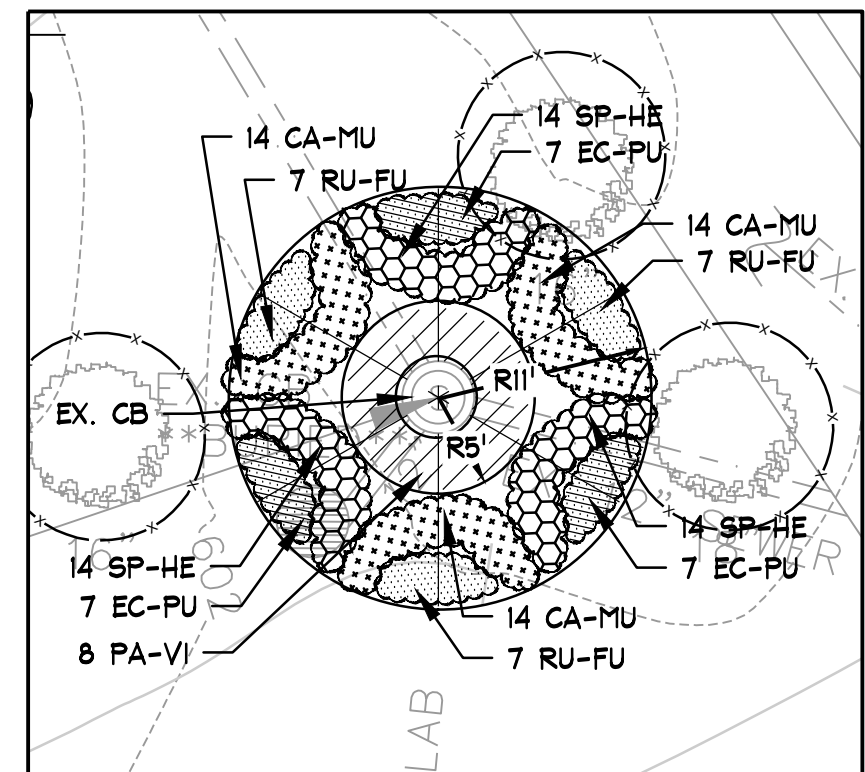
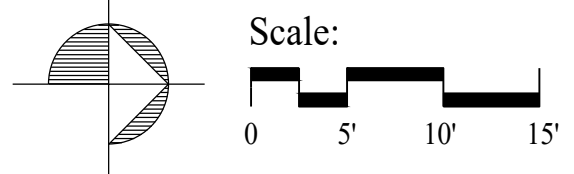
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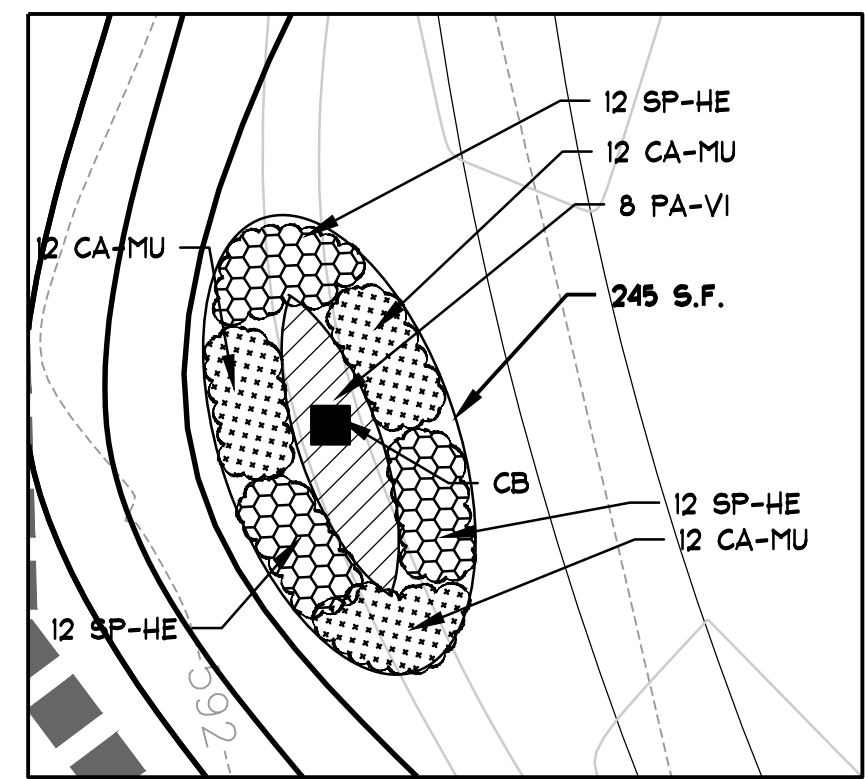
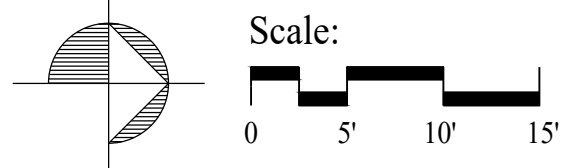
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SHEET NO.:	SD3.1		



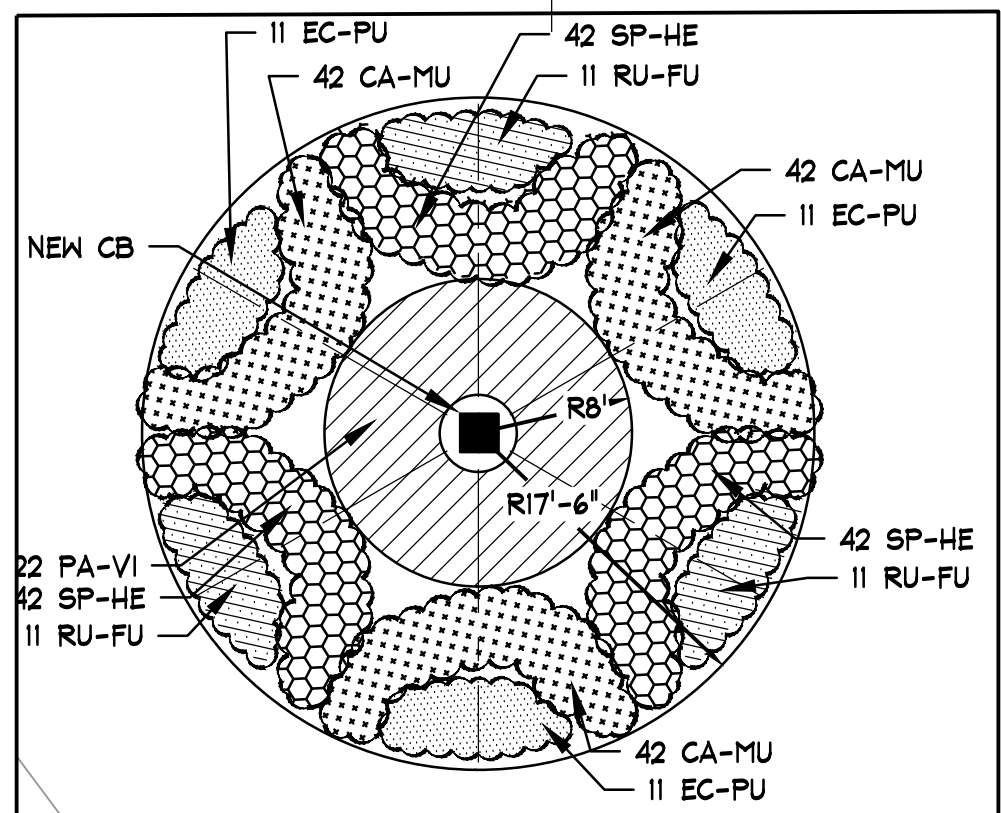
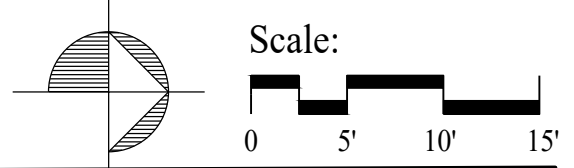
RAIN GARDEN #1 ENLARGEMENT



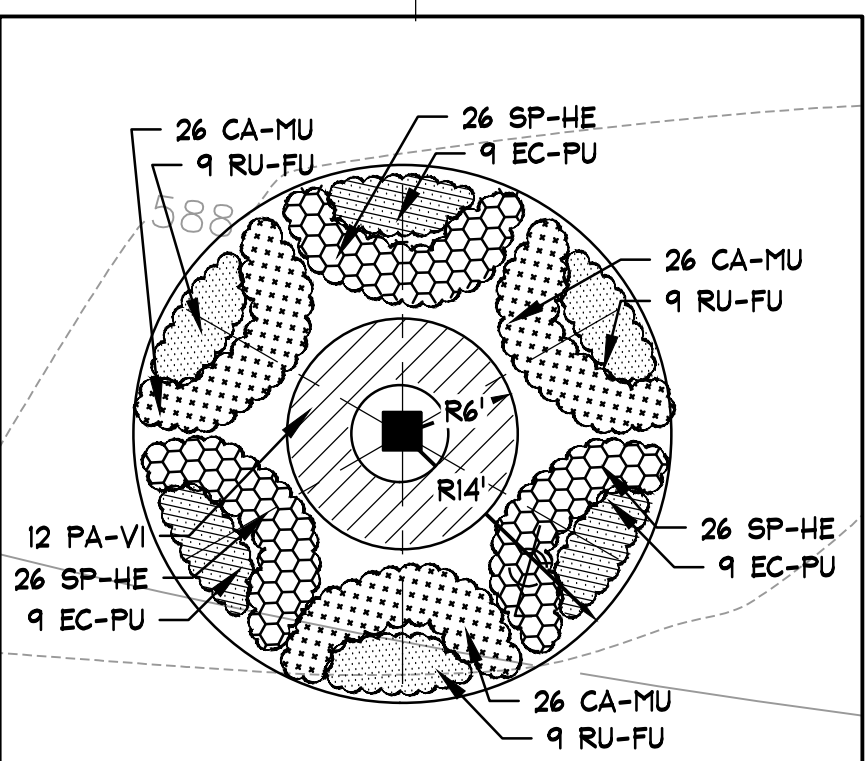
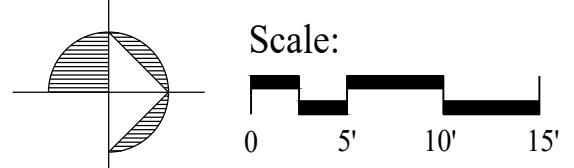
RAIN GARDEN #2 ENLARGEMENT



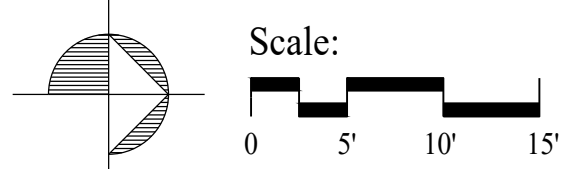
RAIN GARDEN #3 ENLARGEMENT



RAIN GARDEN #4 ENLARGEMENT



RAIN GARDEN #5 ENLARGEMENT



LEGEND:

- DECIDUOUS SHADE TREE GROVE - SEE DET. 2/SDS.1
- EVERGREEN TREE - SEE DET. 3/SDS.1
- ORNAMENTAL GRASS/PERENNIAL - SEE DET. 1/SDS.1
- 8" STORM
- LIMIT OF WORK

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	NOTES
SHADE TREES						
10	AC-SA	ACER SACCHARUM	SUGAR MAPLE	2" CAL.	B & B	
7	BE-AL	BETULA ALLEGHANIENSIS	YELLOW BIRCH	2" CAL.	B & B	
7	BE-NI	BETULA NIGRA	RIVER BIRCH	2" CAL.	B & B	
5	LI-ST	LIQUIDAMBAR STYRACIFLUA	SHEET GUM	2" CAL.	B & B	
5	NY-SY	NYSSA SYLVATICA	SOUR GUM	2" CAL.	B & B	
16	PL-OC	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2" CAL.	B & B	
6	QU-AL	QUERCUS ALBA	WHITE OAK	2" CAL.	B & B	
10	QU-CO	QUERCUS COCCINEA	SCARLET OAK	2" CAL.	B & B	
10	QU-IM	QUERCUS IMBRICARIA	SHINGLE OAK	2" CAL.	B & B	
10	QU-MA	QUERCUS MACROCARPA	BUR OAK	2" CAL.	B & B	
10	QU-PA	QUERCUS PALUSTRIS	PIN OAK	2" CAL.	B & B	
10	QU-RU	QUERCUS RUBRA	RED OAK	2" CAL.	B & B	
10	QU-SH	QUERCUS SHUMARDII	SHUMARD OAK	2" CAL.	B & B	
5	TA-DI	TAXODIUM DISTICHUM	BALD CYPRESS	2" CAL.	B & B	
12	PI-ST	PINUS STROBUS	WHITE PINE	6' HGT.	B & B	

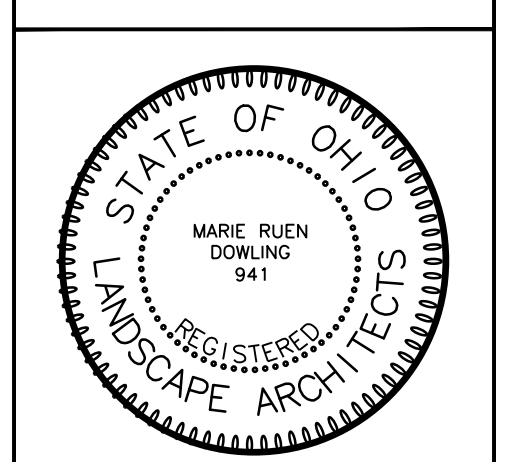
QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	NOTES
RAIN GARDEN PLANT LIST						
ORNAMENTAL GRASSES						
348	CA-MU	CAREX MUSKINGUMENSIS 'VARIEGATED'	VARIEGATED PALM SEDGE	#2 CONT.	WELL-ROOTED	18' O.C.
62	PA-VI	PANICUM VIRGATUM	SWITCH GRASS	#5 CONT.	WELL-ROOTED	3' O.C.
348	SP-HE	SPOROBOLIS HETEROLEPSIS	PRAIRIE DROPSEED	#2 CONT.	CLUMP	18' O.C.
PERENNIALS						
108	EC-PU	ECHINACEA PURPUREA 'MAGNUS'	PURPLE CONEFLOWER	#2 CONT.	WELL-ROOTED	18' O.C.
108	RU-FU	RUDBECKIA FULGIDA 'GOLDSTURM'	BLACK-EYED SUSAN	#2 CONT.	WELL-ROOTED	18' O.C.

- PLANTING GENERAL NOTES**
- THIS SHEET IS FOR PLANTING AND TURF INSTALLATION PURPOSES ONLY.
 - REFER TO EXISTING CONDITIONS AND GRADING PLAN FOR INFORMATION REGARDING EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR MUST VERIFY THE EXACT LOCATIONS OF UTILITIES, DRAINAGE PIPE AND STRUCTURES AND SHALL BE SOLELY RESPONSIBLE FOR ANY SUPPORT PRECAUTIONS AND/OR DAMAGES INCURRED.
 - SEE PLANTING DETAILS ON SDS.1.
 - THE CONTRACTOR SHALL STRIP, SALVAGE AND STOCKPILE ANY AND ALL AVAILABLE TOPSOIL AS PER SPECIFICATIONS. THE STOCKPILED TOPSOIL SHALL BE REDISTRIBUTED AS NEEDED AND AS PER THE DIRECTION OF THE LANDSCAPE ARCHITECT.
 - SEED ALL AREAS WITHIN THE LIMIT OF WORK. FINISH GRADES SHALL BE FLUSH WITH ALL PAVED SURFACES AFTER SETTLING. TOPSOIL SHALL BE FLUSH WITH PAVED SURFACES AFTER SETTLING.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL APPROVED FILL MATERIAL AND/OR TOPSOIL AS NECESSARY TO ACCOMMODATE THE REQUIREMENT OF THE PROPOSED GRADING PLAN PRIOR TO PLANT MATERIAL INSTALLATION.
 - ALL PLANT MATERIAL LOCATIONS SHALL BE FIELD LOCATED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
 - THE UNIT PRICE OF EACH PLANTING ITEM SHALL INCLUDE ALL MATERIAL, DIGGING AND INSTALLATION COSTS INCLUDING TOPSOIL, MULCH, FERTILIZER, STAKES, GUY'S & WRAPPING.
 - REFER TO THE SPECIFICATIONS FOR INFORMATION REGARDING TOPSOIL, MULCH, STAKES, GUYING SYSTEM, TREE GUARDS, TREE WRAP AND OTHER PLANTING MATERIALS. IN ADDITION, ALL MATERIAL TESTING SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - ALL TREES SHALL BE WRAPPED, STAKED, GUYED & MULCHED AS PER DETAILS AND SPECIFICATIONS AT THE TIME OF INSTALLATION. NO EXCEPTIONS!
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY WATERING ALL PLANT MATERIAL IMMEDIATELY UPON PLANTING. IN ADDITION, THE CONTRACTOR SHALL CONFORM TO THE STANDARD CITY OF CLEVELAND SPECIFICATIONS IN REGARDS TO MAINTENANCE, GUARANTEES AND THE REPLACEMENT OF PLANT MATERIAL. FAILURE TO COMPLY WILL RESULT IN WITHHOLDING OF PROPER PAYMENT.
 - EXISTING PLANT MATERIAL SCHEDULED TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING ALL PHASES OF DEMOLITION AND/OR CONSTRUCTION. ANY ITEM DAMAGED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL PLANTS, AS SHOWN ON THE PLANTING PLAN. QUANTITIES PROVIDED ON THE PLANT LIST ARE FOR ESTIMATION PURPOSES ONLY.
 - ALL SITE UTILITIES ARE SHOWN FOR COORDINATION ONLY.

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PROJECT NAME:
**CITY OF CLEVELAND
 DEPARTMENT OF PUBLIC WORKS
 FOREST HILLS/GLENVIEW PARKS-PHASE II
 2019 PARKS PUBLIC IMPROVEMENTS**
 351 E. 110TH STREET
 CLEVELAND, OHIO 44108



ISSUED / REVISED	NO.	DATE	DESCRIPTION
	1	09/05/19	BID SET
TITLE:	PART 'A' SITE PLANTING PLAN		
DESIGNED BY:	DATE		
DRAWN BY:	DATE		
CHECKED BY:	DATE		
SCALE:	SEE SHEET		
SHEET NO.:	SD4.1		

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