CITY OF MENTOR **CIVIC CENTER PARK IMPROVEMENTS** LAKE COUNTY, OHIO

	Sheet List Table
Sheet Number	Sheet Title
1	COVER SHEET
2	GENERAL NOTES
3	ELECTRICAL NOTES
4	EXISTING CONDITIONS PLAN
5	DEMOLITION PLAN SOUTH
6	DEMOLITION PLAN NORTH
7	OVERALL LAYOUT PLAN
8	ENLARGED LAYOUT PLAN SOUTH
9	ENLARGED LAYOUT PLAN NORTH
10	COURT LAYOUT PLAN
11	OVERALL GRADING PLAN
12	ENLARGED GRADING PLAN SOUTH
13	ENLARGED GRADING PLAN NORTH
14	UTILITY PLAN OVERVIEW
15	UTILITY PLAN SOUTH
16	UTLITY PLAN NORTH & COURTS
17	STORMWATER POLLUTION PREVENTION PLAN NOTES
18	STORMWATER POLLUTION PREVENTION PLAN SOUTH
19	STORMWATER POLLUTION PREVENTION PLAN NORTH & COURTS
20	STORMWATER POLLUTION PREVENTION PLAN DETAILS 1
21	STORMWATER POLLUTION PREVENTION PLAN DETAILS 2
22	STORMWATER POLLUTION PREVENTION PLAN LOGS
23	SITE LIGHTING PLAN
24	SITE LIGHTING PLAN COURTS
25	SITE LANDSCAPING PLAN
26	COURT DETAILS
27	PARKING LOT AND SITE DETAILS
28	UTILITY DETAILS
29	STORMWATER DETAILS
30	DETENTION BASIN DETAILS
31	TIMBER GUARDRAIL DETAILS



Z:PROJECT FILESIMA-NZIMENTOR\32272 - CIVIC CENTER PARK IMPROVEMENTS\CADIDWG\SHEETS\C 32272 - COVER SHEET.DWG - G-1 - 4/22/2025 4:53:04 PM - LENE HILI



APRIL, 2025



MENTOR CITY COUNCIL MEMBERS

SEAN P. BLAKE	PRESID
JOHN A. KRUEGER	VICE P
MATTHEW E. DONOVAN	COUNC
MARK T. FREEMAN	COUNC
SCOTT J. MARN	COUNC
JANET A. DOWLING	COUNC
RAY KIRCHNER	COUNC

OFFICIALS

CITY MANAGER
LAW DIRECTOR
CITY ENGINEER
DIRECTOR OF PUBLIC WORKS
FINANCE DIRECTOR
CHIEF OF POLICE
FIRE CHIEF
PARKS, RECREATION AND PUBLIC FAC
DIRECTOR OF ECONOMIC DEVELOPMEN
PLANNING DIRECTOR



OUPS TICKET NUMBER

A503402956 / A503402955

- 1. THE SURVEY SHOWN ON THESE PLANS WAS OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR ANY OTHER PURPOSES.
- 2. UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAIN AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS
- 3. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



4.22.2025

DATE

ENGINEER'S PROJECT No. 32272

DENT, WARD 1 RESIDENT, WARD 4 ILPERSON, WARD 2 ILPERSON, WARD 3 ILPERSON-AT-LARGE ILPERSON-AT-LARGE ILPERSON-AT-LARGE

JOSEPH P. SZEMAN
LORNE VERNON
KENNETH GUNSCH
RONALD A. ZAK
CILITIES DIRECTOR
NT & INTERNATIONAL TRADEKEVIN MALECEK

DESIGN ENGINEER: THIS IS TO CERTIFY THAT GOOD ENGINEERING PRACTICES HAVE BEEN UTILIZED IN THE DESIGN OF THIS PROJECT AND THAT ALL MINIMUM STANDARDS FOR FAIRFIELD COUNTY, INCLUDING THOSE STANDARDS GREATER THAN MINIMUM WHERE, IN OUR OPINION, THEY ARE NEEDED TO PROTECT THE SAFETY OF THE PUBLIC. ANY VARIANCES TO THE ABOVE STANDARDS ARE CONSISTENT WITH SOUND ENGINEERING PRACTICES AND ARE NOT DETRIMENTAL TO OHIO P.E. No. E-66017

				ISSUED FOR:	BID	NO	NOI	DATE	
SHEET			MENIOR CIVIC CENIER PARK 8500 MUNSON ROAD	ISSUE DATE:	4/22/25				PROFESIN
	CIN SHEET G	322 DISCI	- CITY OF MENTOR, LAKE COUNTY -	SCALE: /	AS SHOWN				LE E – 6 (/ ON,
		272 PLINE		DESIGNED BY:	RW, CZ				OF C ENE C. ILL 66017 AL
₀ 31		2	COVER SHEET	DRAWN BY:	CZ, GA, LE				
				CHECKED BY:	LH, RW				

GENERAL NOTES

- 1. ALL WORK REQUIRED TO COMPLETE THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS OR THE SPECIFICATIONS/REQUIREMENTS OF CITY OF MENTOR, LAKE COUNTY UTILITIES DEPARTMENT AND AQUA OHIO EXCEPT AS HEREIN AMENDED.
- 2. MATERIAL SPECIFICATIONS CALLED FOR ON THE PLANS REPRESENT THE MINIMUM REQUIRED FOR EACH APPLICATION. THE OWNER MAY REQUEST OR THE CONTRACTOR MAY DESIRE TO SUBSTITUTE ALTERNATE MATERIALS. ANY SUCH SUBSTITUTIONS MUST BE EQUIVALENT IN QUALITY TO THE MATERIAL CALLED FOR AND MUST BE APPROVED IN WRITING BY THE APPROVING AGENCIES AND THE ENGINEER.
- 3. ALL WORK INCLUDING PERMITS REQUIRED FOR REMOVAL, RELOCATION OR NEW CONSTRUCTION FOR PRIVATE OR PUBLIC WORK SHALL BE DONE BY AND AT THE EXPENSE OF THE CONTRACTOR AND INCLUDED IN THE BID PRICES FOR THE VARIOUS WORK ITEMS.
- BEFORE RECEIVING A PERMIT FOR ANY WORK REQUIRING EXCAVATION IN ANY STREET OR PUBLIC ROAD RIGHT-OF-WAY, THE CONTRACTOR SHALL OBTAIN FROM THE PROPER AUTHORITY THE REQUIRED PERMIT FOR SUCH WORK AND SHALL AGREE TO COMPLY WITH ALL REQUIREMENTS OF THE AUTHORITY ISSUING SUCH "ROAD OPENING PERMIT". IF NO "ROAD OPENING PERMIT" IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, A WRITTEN STATEMENT TO THAT EFFECT MUST BE OBTAINED FROM THE AUTHORITY. WHEN SPECIFIED ON THE PLANS OR IN THE SPECIFICATIONS, CONTINGENCY QUANTITIES SHALL BE PERFORMED ONLY UNDER WRITTEN DIRECTION OF THE OWNER. THE CONTRACTOR SHALL NOT ORDER ANY CONTINGENCY MATERIAL OR PERFORM ANY CONTINGENCY WORK UNTIL DIRECTED. THE ACTUAL WORK LOCATION AND QUANTITIES FOR SUCH ITEMS SHALL BE DOCUMENTED BY THE CONTRACTOR.
- 5. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY VERDANTAS DATED APRIL 2025, AND ANY SUBSEQUENT REVISIONS. A COPY OF THIS REPORT WILL BE MADE AVAILABLE TO THE CONTRACTOR THROUGH THE OWNER OR DESIGN ENGINEER. THE CONTRACTOR SHALL ADHERE TO ALL ASPECTS AND RECOMMENDATIONS OF THE REPORT.
- 6. WHEN SPECIFIED ON THE PLANS OR IN THE SPECIFICATIONS, CONTINGENCY QUANTITIES SHALL BE PERFORMED ONLY UNDER WRITTEN DIRECTION OF THE OWNER. THE CONTRACTOR SHALL NOT ORDER ANY CONTINGENCY MATERIAL OR PERFORM ANY CONTINGENCY WORK UNTIL DIRECTED. THE ACTUAL WORK LOCATION AND QUANTITIES FOR SUCH ITEMS SHALL BE DOCUMENTED BY THE CONTRACTOR.
- 7. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES.
- 8. THE CONTRACTOR SHALL SUBMIT A PLAN OF OPERATIONS FOR REVIEW AND APPROVAL BY THE OWNER THAT WILL INDICATE EQUIPMENT STAGING AREAS, STOCKPILE LOCATIONS, CONSTRUCTION TRAILERS AND SANITATION FACILITIES.
- 9. THE CONTRACTOR SHALL MAINTAIN A SAFE WORKING ENVIRONMENT AT THE PROJECT SITE AT ALL TIMES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGNING AND CONSTRUCTING STABLE, TEMPORARY EXCAVATIONS PER APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS INCLUDING OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS. NEITHER THE OWNER NOR THE DESIGN ENGINEER ASSUMES RESPONSIBILITY FOR CONSTRUCTION SAFETY OR THE CONTRACTOR'S OR OTHER PARTIES' COMPLIANCE WITH SAFETY REGULATIONS; SUCH RESPONSIBILITY IS NOT BEING IMPLIED AND SHOULD NOT BE INFERRED.
- 10. APPROPRIATE BARRICADES, WARNING LIGHTS, SIGNS, FENCING, ETC. SHALL BE ERECTED AROUND THE CONSTRUCTION AREA DURING ALL NON-WORKING HOURS TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL. THE CONTRACTOR SHALL ALERT ALL LOCAL EMERGENCY AGENCIES (FIRE, POLICE, AMBULANCE, ETC.) OF THE NATURE OF THE PROPOSED PROJECT PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
- 11. THE CONTRACTOR SHALL FURNISH AND ERECT TEMPORARY PROJECT SAFETY FENCING AT THE WORK SITE PRIOR TO START OF ANY WORK. THE SAFETY FENCING SHALL BE A HIGH VISIBILITY ORANGE COLORED, HIGH DENSITY POLYETHYLENE GRID, A MINIMUM OF 42 INCHES HIGH, SUPPORTED AND TIGHTLY SECURED TO STEEL POSTS LOCATED ON MAXIMUM 10 FOOT CENTERS. THE CONTRACTOR SHALL MAINTAIN THE SAFETY COMPLETION AND ACCEPTANCE OF THE WORK, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE REMOVED FROM THE WORK SITE. REGULAR INSPECTION AND MAINTENANCE SHALL BE PROVIDED FOR TEMPORARY PROJECT SAFETY FENCING INCLUDING IF CONSTRUCTION ACTIVITIES HAVE BEEN TEMPORARILY SUSPENDED (I.E. DURING WINTER MONTHS). INSPECTIONS SHALL BE MADE A MINIMUM OF 1 TIME PER MONTH, OR WITHIN 24 HOURS OF NOTIFICATION BY THE OWNER.
- 12. ANY EXISTING ROADWAY, DRIVEWAY, DRIVE CULVERT, LAWN, CURB, SIDEWALK, SIGN, MAILBOX, FENCE, RETAINING WALL, GUARDRAIL, LAWN IRRIGATION SYSTEM COMPONENT, LANDSCAPING ITEM, OR OTHER APPURTENANCE DISTURBED DURING CONSTRUCTION BUT NOT DESIGNATED FOR REMOVAL/REPLACEMENT SHALL BE RESTORED BY THECONTRACTOR WITHOUT ADDITIONAL COMPENSATION TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO DISTURBANCE AND TO THE SATISFACTION OF THE OWNER.
- 13. THE FOLLOWING PRACTICES ARE PROHIBITED WITHIN PROTECTION ZONES:
 - a) STORAGE OF CONSTRUCTION MATERIALS, DEBRIS OR EXCAVATED MATERIAL

Z:/PROJECT FILES/MA-NZ/MENTOR/32272 - CIVIC CENTER PARK IMPROVEMENTS/CAD/DWG/SHEETS/C 32272 - GENERAL NOTES.DWG - G-2 - 4/22/2025 4:55:15 PM - LENE HILL

- b) PARKING VEHICLES OR EQUIPMENT
- c) FOOT TRAFFIC

- d) ERECTION OF SHEDS OR STRUCTURES
- e) IMPOUNDMENT OF WATER
- f) EXCAVATION OR OTHER DIGGING
- g) ATTACHMENT OF SIGNS TO OR WRAPPING MATERIALS AROUND TREES OR PLANTS
- 14. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL BENCHMARKS, PROPERTY LINE REFERENCES (E.G., PINS, PIPES, MONUMENTS), AND ANY OTHER SURVEY REFERENCE. IN CASE OF DISTURBANCE, THE CONTRACTOR SHALL ENGAGE A REGISTERED SURVEYOR TO REPLACE THEM AT THE CONTRACTOR'S EXPENSE AND SHALL BE RESPONSIBLE FOR ANY ERRORS THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE. ALL NOTES AND CALCULATIONS USED IN RESETTING OF PROPERTY PINS, MONUMENTS, REFERENCE POINTS, OR ANY OTHER SURVEY REFERENCE SHALL BE STAMPED, SIGNED AND DATED BY THE REGISTERED SURVEYOR AND COPIES PROVIDED TO THE OWNER.
- 15. THE CONTRACTOR SHALL DESIGNATE AND MAINTAIN A PERSON IN RESPONSIBLE CHARGE (SUPERVISOR) WITH A WORKING CELL PHONE AT THE CONSTRUCTION SITE DURING ALL CONSTRUCTION ACTIVITIES.
- 16. COORDINATE ALL SEQUENCING AND SCHEDULING OF WORK WITH THE CITY ADMINISTRATOR. CONTRACTOR TO PROVIDE SCHEDULE OF WORK AND EXPECTED COMPLETION WITH SUBMISSION OF BID.
- 17. CONTRACTOR SHALL COORDINATE ALL USE OF PREMISES AND ADJACENT PROPERTIES, INCLUDING PARKING OF VEHICLES, WITH ADMINISTRATOR.
- 18. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY TOILET FACILITIES AND COORDINATE LOCATION WITH THE OWNER AND FACILITIES STAFF.
- 19. THE OWNER WILL NOT BE RESPONSIBLE FOR THE LOSS OR DAMAGE TO ANY OF CONTRACTOR'S EQUIPMENT OR SUPPLIES STORED ON THE PREMISES

UTILITIES:

CITY OF MENTOR

MENTOR, OHIO 44060

PHONE: (440) 255-1100

1. THE LOCATION OF ALL EXISTING UTILITY FACILITIES ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF THE FIELD SURVEY IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF THE EXISTING UTILITY OWNERS AND UTILITY PROTECTION SERVICE LISTED BELOW IN ACCORDANCE WITH SECTION 154.64 OF THE ORC AND AS OUTLINED IN THE PROJECT SPECIFICATIONS.

THE UTILITY OWNERSHIPS ARE AS FOLLOWS:

OHIO UTILITY PROTECTION SERVICE 106 WEST RYEN, ROOM 427 YOUNGSTOWN, OHIO 44051 PHONE: (800) 362-2746

8500 CIVIC CENTER BOULEVARD

ENBRIDGE GAS OHIO 320 SPRINGSIDE DRIVE, SUITE 320 AKRON, OHIO 44333 PHONE: (330) 664-2409

AQUA OHIO INC. 8644 STATION STREET MENTOR, OHIO 44060 PHONE: (440) 255-3984

CHARTER COMM 7820 DIVISION DRIVE MENTOR, OHIO 44060 PHONE: (440) 974-3401

ES AT&T 13630 LORAIN AVE. ROOM 400 CLEVELAND, OHIO 44111 PHONE: (216) 476-6142

ILLUMINATING CO. 6896 MILLER ROAD BRECKSVILLE, OHIO 44141 PHONE: (440) 717-6845

LAKE COUNTY DEPT. OF UTILITIES 105 MAIN STREET PAINESVILLE, OHIO 44077 PHONE: (440) 350-2652

NORTHEAST OHIO NATURAL GAS 8470 STATION STREET MENTOR, OHIO 44060 PHONE: (440) 701-5115

- 2. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE EXISTENCE AS WELL AS THE ACTUAL LOCATION, ALIGNMENT, AND ELEVATIONS OF ALL EXISTING UTILITIES/FACILITIES WITHIN AND/OR ADJACENT TO THE GENERAL LIMITS OF THESE IMPROVEMENTS INCLUDING WATERLINES, SANITARY AND STORM SEWERS, GAS LINES, COMMUNICATION LINES/BANKS, ELECTRIC LINES, ETC. THIS MAY REQUIRE EXPLORATORY EXCAVATIONS TO BE PERFORMED BY THE CONTRACTOR FOR WHICH HE WILL NOT BE REIMBURSED. THE CONTRACTOR SHALL NOT ASSUME THAT EXISTING UTILITIES/CONDUITS WERE INSTALLED AT TYPICAL/STANDARD DEPTHS OR AT UNIFORM SLOPES/GRADES/DEPTHS BETWEEN ACCESS POINTS (CATCH BASINS, MANHOLES, JUNCTION CHAMBERS, ETC.)
- 3. ANY UTILITY TO BE REMOVED, RELOCATED, SHUT-OFF, AND/OR RECONNECTED BY THE RESPECTIVE UTILITY COMPANY SHALL BE COORDINATED BY THE CONTRACTOR.

VIDEO TAPING

THE CONTRACTOR SHALL PROVIDE ABOVE GROUND VIDEOTAPING OF ALL WORK AREAS PRIOR TO THE BEGINNING OF THE WORK. THE CONTRACTOR SHALL NOT START WORK UNTIL SUCH TIME AS THE ENGINEER HAS BEEN PROVIDED A COPY OF THE COMPLETE VIDEO.

SITE RESTORATION

- 1. THE AREA SHALL BE GRADED, TOPSOIL SPREAD FINE GRADED AND SEEDED IN ALL AREAS DISTURBED BY CONSTRUCTION..
- 2. PERMANENT SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF PLANTING. DURING THIS PERIOD, INSPECT FOR SOIL EROSION OR PLANT LOSS AND REPAIR BARE OR SPARSE AREAS, FILL GULLIES, RE-FERTILIZE, RE-SEED OR RE-MULCH AS NEEDED.
- 3. ADEQUATE PERMANENT VEGETATION SHALL BE GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE BASED ON VISUAL INSPECTION, AND MATURE ENOUGH TO SURVIVE WINTER WEATHER CONDITIONS.

DRAINAGE, SOIL EROSION, SEDIMENT AND DUST CONTROL:

1. POSITIVE DRAINAGE OF ALL CONSTRUCTION AREAS SHALL BE

MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SOIL 2. EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH ODOT ITEM 670 AND AS REQUIRED BY THE LOCAL COUNTY SOIL AND WATER CONSERVATION DISTRICT THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY, SUCH AS CALCIUM CHLORIDE, WATER OR A MOTORIZED DUST-FREE STREET SWEEPING DEVICE PERFORMED DAILY OR AS DIRECTED BY THE CITY, TO MAINTAIN ALL PAVED AREAS AFFECTED BY THE CONSTRUCTION. 4. THE CONTRACTOR SHALL PRIOR TO CONSTRUCTION INSTALL & MAINTAIN THE FOLLOWING TEMPORARY EROSION & SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION: -INLET PROTECTION -SILT SOCKS AROUND PERIMETER OF DISTURBED AREAS AND STOCK PILES. -CONCRETE WASHOUT PIT -DAILY SWEEPING -CONSTRUCTION ENTRANCE (IF NON PAVED AREAS ARE USED) -TEMPORARY & PERMANENT SEEDING. PAYMENT FOR ALL SOIL EROSION, SEDIMENT AND DUST CONTROL 5 MEASURES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER VARIOUS ITEMS.

EXISTING CONDITION AND DEMOLITION NOTES:

- 1. THE CONTRACTOR MUST CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764 AND THE OHIO OIL AND GAS ASSOCIATION (OGPUPS) AT 1-800-925-0988 AT LEAST 48 HOURS, BUT NO MORE THAN 10 WORKING DAYS, BEFORE BEGINNING ANY DIGGING, EXCLUDING SATURDAYS, SUNDAYS AND OTHER LEGAL HOLIDAYS. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE WRITTEN REQUIREMENTS OF OUPS AND OGPUPS. THE CONTRACTOR SHALL COORDINATE THE MARKING AND/OR LOCATING TO STAY A MINIMUM OF TWO WORKING DAYS AHEAD OF PLANNED CONSTRUCTION ACTIVITIES.
- 2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE CONSTRUCTION PLANS WERE OBTAINED BY FIELD OBSERVATIONS, FROM EXISTING RECORDS, AND/OR FROM THE OWNERS OF THE RESPECTIVE UTILITIES. THE INFORMATION AS SHOWN IS BELIEVED TO BE CORRECT; HOWEVER, THE COMPLETENESS AND ACCURACY OF THIS INFORMATION CANNOT BE GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL THE VARIOUS UTILITY COMPANIES (PUBLIC AND PRIVATE) TO VERIFY THE EXISTENCE, LIMITS AND/OR LOCATION OF ANY UTILITIES WHICH MAY BE ALONG THE ROUTE OR WITHIN THE VICINITY OF THIS IMPROVEMENT.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE EXISTENCE AS WELL AS THE ACTUAL LOCATION, ALIGNMENT, AND ELEVATIONS OF ALL EXISTING UTILITIES/FACILITIES WITHIN AND/OR ADJACENT TO THE GENERAL LIMITS OF THESE IMPROVEMENTS INCLUDING WATERLINES, SANITARY AND STORM SEWERS, GAS LINES, COMMUNICATION LINES/BANKS, ELECTRIC LINES, ETC. THIS MAY REQUIRE EXPLORATORY EXCAVATIONS TO BE PERFORMED BY THE CONTRACTOR FOR WHICH HE WILL NOT BE REIMBURSED. THE CONTRACTOR SHALL NOT ASSUME THAT EXISTING UTILITIES/CONDUITS WERE INSTALLED AT TYPICAL/STANDARD DEPTHS OR AT UNIFORM SLOPES/GRADES/DEPTHS BETWEEN ACCESS POINTS (CATCH BASINS, MANHOLES, JUNCTION CHAMBERS, ETC.)
- 4. CLEARING AND GRUBBING SHALL BE PERFORMED WHERE EARTHWORK IS REQUIRED. THIS WORK SHALL INCLUDE CLEARING, GRUBBING, SCALPING, TREE AND STUMP REMOVAL, AND THE REMOVAL AND DISPOSAL OF ALL VEGETATION AND DEBRIS WITHIN THE LIMITS OF WORK.
- 5. THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL, DEMOLISHED MATERIALS AND WASTE MATERIALS INCLUDING TREES, STUMPS, BRUSH, TRASH AND DEBRIS, FROM THE PROJECT LIMITS AND LEGALLY DISPOSE OF OFF-SITE.
- 6. PAVEMENT TO BE REMOVED SHALL BE SAWCUT IN A NEAT AND STRAIGHT LINE PRIOR TO EXCAVATION AND REMOVED FULL DEPTH AT LIMITS OR EXISTING JOINTS AS SHOWN IN THE PLANS. ADDITIONAL SAWCUTS MAY BE DESIRED TO FACILITATE THE REMOVAL OF THE EXISTING PAVEMENT, BUT THERE WILL BE NO EXTRA PAYMENT. PAVEMENT SHALL BE REMOVED WITHOUT DAMAGING OR UNDERMINING THE PAVEMENT TO REMAIN. IF ADJACENT PAVEMENT IS DAMAGED, THE CONTRACTOR SHALL MAKE ADDITIONAL SAWCUTS, REMOVE THE DAMAGED AREAS AND REPAIR AS NECESSARY WITH NO ADDITIONAL COMPENSATION.
- 7. ANY ITEM NOT MARKED TO BE REMOVED SHALL REMAIN IN PLACE UNDISTURBED AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- 8. NO ATTEMPT HAS BEEN MADE TO NOTE ALL LOCATIONS OR SPECIFIC EXTENT OF DEMOLITION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL DEMOLITION NECESSARY TO EXECUTE THE NEW PLAN INCLUDING COORDINATION OF DEMOLITION WORK WITH NEW WORK SO AS NOT TO CREATE CONFLICTS OF NEW INSTALLATION.
- 9. THE CONTRACTOR SHALL REMOVE ALL SURPLUS, DEMOLISHED AND WASTE MATERIALS INCLUDING TREES, STUMPS AND BRUSH FROM THE PROJECT AND DISPOSE OF OFF-SITE.
- 10. ALL DEMOLISHED ITEMS SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.
- 11. ANY UTILITY TO BE REMOVED, RELOCATED, SHUT-OFF, AND/OR RECONNECTED BY THE RESPECTIVE UTILITY COMPANY SHALL BE COORDINATED BY THE CONTRACTOR.
- 12. ALL EXCAVATIONS RESULTING FROM UTILITY REMOVALS SHALL BE BACKFILLED WITH PREMIUM GRANULAR MATERIAL MEETING ODOT ITEM 304 TO WITHIN 8" OF SURFACE. TOP WITH TOPSOIL IN LAWN AREAS.
- 13. EXISTING ASPHALT AND CONCRETE PAVEMENT AND SIDEWALK TO BE REMOVED SHALL BE SAW CUT IN A NEAT AND STRAIGHT LINE PRIOR TO EXCAVATION AND REMOVED FULL DEPTH AT NEAREST EXISTING JOINTS OR AT LIMITS AS SHOWN ON THE CONSTRUCTION PLANS. PAVEMENT SHALL BE REMOVED WITHOUT DAMAGING OR UNDERMINING THE PAVEMENT TO REMAIN. IF ADJACENT PAVEMENT IS DAMAGED, THE CONTRACTOR SHALL MAKE ADDITIONAL SAW CUTS, REMOVE THE DAMAGED AREAS AND REPAIR AS NECESSARY WITH NO ADDITIONAL COMPENSATION.

MAINTENANCE OF TRAFFIC NOTES:

1. THE CONTRACTOR SHALL MAINTAIN TRAFFIC ADJACENT TO THE PROJECT. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL SIGNS, FLAGS, FLAG PERSONS, BARRICADES, SIGN SUPPORTS, CONES, BARRELS AND INCIDENTALS IN CONFORMANCE WITH THE MOST RECENT REVISED EDITION OF THE OHIO MANUAL OF UNIFO TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. INTERFERENCE WITH TRAFFIC SHALL BE KEPT MINIMAL AT ALL TI ALL OPEN TRENCHES AND EXCAVATIONS SHALL BE PROTECTED DRUMS, BARRICADES, OR BARRIERS AT ALL TIMES.

GRADING NOTES:

- ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHO AND MATERIALS OF CONSTRUCTION TO COMPLETE CONSTRUCT DESIGNED. THE OWNER NOR THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE TYPE AND/OR SUITABILITY OF THE MAT UNDERLYING THE PROJECT SITE. THE BIDDER SHALL PERFOR INVESTIGATIONS AND/OR TESTING NECESSARY TO ADEQUATEL DETERMINE OR ESTIMATE TO THEIR SATISFACTION ANY EXISTII CONDITION WHICH COULD AFFECT HIS BID OR THE PERFORMAN THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE, BUT N LIMITED TO, UNSUITABLE AND/OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), SPRINGS, OBSTRUCTIONS, ETC.
- 2. THE CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES TO REMAIN FE DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY MOVING OPERATIONS.
- 3. THE INTENT OF THIS PROJECT IS TO UTILIZE ALL USEABLE MATI EFFICIENTLY. ACTUAL FIELD CONDITIONS MAY REQUIRE DECIS ON MATERIAL HANDLING AND USAGE. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING AND MAINTAINING SITE CONDI
- 4. THE CONTRACTOR SHALL STRIP TOPSOIL FROM AREAS TO BE C AND STOCKPILE IT PRIOR TO SITE GRADING OPERATIONS. TOP SHALL BE STRIPPED TO WHATEVER DEPTH ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBS OTHER WASTE MATERIALS.
- 5. DO NOT STOCKPILE SOIL MATERIALS NEAR THE EDGE OF EXCAVATIONS OR WITHIN DRIP LINES OF TREES TO REMAIN.
- EXCESS MATERIAL GENERATED FROM TRENCH EXCAVATION OPERATIONS SHALL BE INCORPORATED IN THE UNIT PRICE BID EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION.
- 7. THE CONTRACTOR SHALL PERFORM EXCAVATION AND EMBANK OPERATIONS AS NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS AND ACHIEVE THE FINISHED GRADES SHOWN (PLANS, EXCEPT AS NOTED:
 - a. STRUCTURAL FILL SHALL BE PLACED AND COMPACTED U ALL BUILDING SLABS, FOOTINGS AND PAVEMENT.
 - b. ENGINEERED FILL SHALL BE PLACED AND COMPACTED UI ALL DRIVES, WALKS, STEPS AND RAMPS.
 - c. STRUCTURAL AND ENGINEERED FILL SHALL BE WETTED O DRIED TO NEAR ITS OPTIMUM MOISTURE CONTENT, PLAC LIFTS AND COMPACTED TO A MINIMUM PERCENT COMPAC ALL UNDER THE OBSERVATION AND TESTING OF A GEOTECHNICAL ENGINEER.
 - d. SOIL OBTAINED ON-SITE MAY BE USED AS FILL MATERIAL PROVIDED IT IS FREE OF ORGANIC MATTER, DEBRIS, EXC MOISTURE, AND ROCK FRAGMENTS 6" AND LARGER.
 - e. NO SLAG, RIVER GRAVEL, RECYCLED PORTLAND CEMENT CONCRETE, RECLAIMED ASPHALT CONCRETE PAVEMENT RECLAIMED BITUMINOUS AGGREGATE BASE MAY BE USEI
 - f. THE CONTRACTOR SHALL DISPOSE OFF-SITE ANY EXCESS UNSUITABLE MATERIAL UNABLE TO BE PLACED ON-SITE.
 - g. UNSUITABLE MATERIAL ENCOUNTERED DURING INSTALLA OF PROPOSED IMPROVEMENTS (I.E. BUILDINGS, UTILITIES PAVEMENT, ETC.) SHALL BE UNDERCUT AND REPLACED W COMPACTED FILL OR STABILIZED IN-PLACE UTILIZING CONVENTIONAL MEASURES SUCH AS DISCING, AERATION RECOMPACTION. OTHER MEANS OF STABILIZATION SHAL THE DISCRETION OF THE OWNER OR GEOTECHNICAL END
- 8. IT IS THE INTENT OF THE SLOPES AND SPOT GRADES NOTED ON PLANS TO PROVIDE POSITIVE DRAINAGE TO STORM WATER COLLECTION POINTS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE DESIGN ENGINEER FOR RESOLUTION.
- EXPOSED PAVEMENT SUBGRADE AREAS SHALL BE MAINTAINED SUCH CONDITION THAT IT WILL BE WELL DRAINED AT ALL TIMES PREVENT PONDING OF WATER AFTER RAINS.
- 10. ALL EXISTING AND PROPOSED MANHOLE COVERS, VALVE BOXE LOCATED WITHIN PEDESTRIAN RIGHT-OF-WAYS OR SIDEWALKS BE FLUSH MOUNTED WITH THE WALKING SURFACE.
- 11. BEFORE ACCEPTANCE OF THE SUB-GRADE UNDER BUILDING SU OR PAVEMENT, A PROOF ROLL TO IDENTIFY SOFT POCKETS AN AREAS OF EXCESS YIELDING SHALL BE PERFORMED IN THE PR OF THE DESIGN ENGINEER USING A PNEUMATIC-TIRED AND LO/ 10-WHEEL, TANDEM-AXLE DUMP TRUCK WEIGHING NOT LESS TH FIFTEEN (15) TONS AT A MAXIMUM VEHICLE SPEED OF 3 MPH. D PROOF-ROLL WET OR SATURATED SUBGRADES. THE CONTRACT SHALL EXCAVATE SOFT SPOTS, UNSATISFACTORY SOILS AND A OF EXCESSIVE PUMPING OR RUTTING, AS DETERMINED BY THE ENGINEER, AND REPLACE WITH COMPACTED BACKFILL, AS DIRI BY THE DESIGN ENGINEER OR GEOTECHNICAL ENGINEER. AUTHORIZED ADDITIONAL EXCAVATION AND REPLACEMENT MA SHALL BE PAID ACCORDING TO THE CONTRACT UNIT PRICES.
- 12. THE CONTRACTOR SHALL RECONSTRUCT ANY SUBGRADE DAM, BY FREEZING TEMPERATURES, FROST, RAIN, ACCUMULATED W, OR CONSTRUCTION ACTIVITIES WITHOUT ADDITIONAL COMPENSI
- 13. CONTRACTOR SHALL REFER TO TENNIS COURT SPECIFICATION EARTHWORK, SUBGRADE AND PAVEMENT REQUIREMENTS.

I		LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING.	1111111	PRO	ні _а Е—6	ĹL 6017	/ / / F T D	
E	2.	ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED.			¢¢/s /0N/	TER		, IIII
ORM	3.	PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE ODOT SPECIFICATIONS AND/OR CITY STANDARD DRAWINGS AND SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED.	┢	~ 				
WITH ODS CTION AS E FERIAL RM ANY LY ING SITE NCE OF NCE OF NOT BE E	4.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT STAKING INCLUDING HORIZONTAL AND VERTICAL CONTROL. THESE PLANS HAVE BEEN DEVELOPED FOR ELECTRONIC LAYOUT STAKING. ANY DISCREPANCIES DISCOVERED IN THE PLAN INFORMATION, OR BETWEEN THE PLAN AND ELECTRONIC DATA, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN ENGINEER SO THE APPROPRIATE ADJUSTMENTS MAY BE MADE PRIOR TO THE START OF CONSTRUCTION OR THE CONTINUATION OF THE SAME. THE DESIGN ENGINEER MAKES NO REPRESENTATION REGARDING FITNESS FOR ANY PARTICULAR PURPOSE, OR SUITABILITY FOR USE WITH ANY SOFTWARE OR HARDWARE. DUE TO THE EASILY ALTERABLE NATURE OF ELECTRONIC DOCUMENTS, THROUGH EITHER UNINTENTIONAL OR INTENTIONAL MEANS, THE DESIGN ENGINEER DOES NOT MAKE ANY EXPRESS OR IMPLIED WARRANTY FOR THE ACCURACY OR COMPLETENESS OF THIS INFORMATION AND THEREFORE, ACCEPTS NO LIABILITY FOR THE COMPLETENESS, CORRECTNESS OR READABILITY OF THE ELECTRONIC DATA. HARD COPIES (I.E., PRINTS, PAPER COPIES, ETC.)						
ROM		OF ELECTRONIC DOCUMENTS.						
EARTH	<u>U</u> -	FILITY NOTES:	щ					
ERIALS SIONS ITIONS. GRADED PSOIL A SSOIL OR	1.	THE CONTRACTOR SHALL PROTECT, SUPPORT AND SHORE UP ANY EXISTING UTILITY ENCOUNTERED DURING CONSTRUCTION AND COORDINATE ALL WORK TO BE PERFORMED WITH EACH RESPECTIVE UTILITY COMPANY, INCLUDING WORK BEING PERFORMED DIRECTLY BY THE UTILITY COMPANIES, FOR MAIN OR SERVICE CONNECTIONS, DISCONNECTIONS, RELOCATIONS, DEMOLITION AND INSPECTIONS. THE CONTRACTOR SHALL SECURE AND PAY FOR ANY PERMITS, FEES AND UTILITY COMPANY CHARGES.	DAT					
) FOR	2.	THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE NECESSARY LEVELS OF PROTECTION AND SAFEGUARDING OF ALL OPEN TRENCHES, WHEN WORK IS EITHER ACTIVE, COMPLETED AT THE END OF THE DAY OR SUSPENDED FOR ANY OTHER REASON. THIS INCLUDES TRENCH PROTECTION SUCH AS TRENCH BOXES, WOOD SHEETING AND BRACING, OR ANY OTHER METHOD DETERMINED BY THE CONTRACTOR TO MAINTAIN A SAFE WORKING ENVIRONMENT.	REVISION					
		REGULATIONS (FEDERAL, STATE AND LOCAL).						
INDER	3.	WHERE THE PLANS PROVIDE FOR NEW CONDUIT TO BE CONNECTED TO OR CROSS OVER OR UNDER AN EXISTING UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING UTILITY BOTH AS TO LINE AND GRADE BEFORE BEGINNING TO LAY THE NEW CONDUIT.	ON					
NDER	4.	THE CONTRACTOR SHALL JET-CLEAN ALL STORM SEWERS AND VACUUM CLEAN ALL MANHOLES AND CATCH BASINS BEFORE ACCEPTANCE BY THE OWNER.	BID	4/22/25	NWOH	łW, CZ	GA, LE	
OR CED IN	5.	ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.			AS S		CZ,	-
CTION,	6.	THE CONTRACTOR SHALL INCLUDE THE COST OF GRANULAR BACKFILL MATERIAL UNDER ALL EXISTING AND PROPOSED PAVEMENTS IN THE PRICE BID PER LINEAR FOOT OF PIPE.	:D FOR:	: DATE:	úi	SNED BY:	/N BY:	
ESSIVE	7.	SLAG SHALL NOT BE USED FOR BEDDING OR BACKFILL.	ISSUE	ISSUE	SCALE	DESIG	DRAM	
T O D	8.	<u>STORM SEWERS</u> STORM MAIN SEWERS SHALL BE ONE OF THE FOLLOWING [.]						
D.		a POLYVINYL CHLORIDE PIPE (PVC) 4" - 15" DIAMETER						
ATION S, WITH N OR		 ALL POLYVINYL CHLORIDE PIPE IN THIS SIZE RANGE SHALL CONFORM TO ASTM D-3034 SDR 35, SHALL BE INTEGRAL BELL AND SPIGOT TYPE, WITH JOINTS CONFORMING TO ASTM D-3212 AND ELASTOMERIC SEALS CONFORMING TO ASTM F-477. ALL PIPE AND FITTINGS SHALL BE MARKED OR STENCILED IN CONFORMANCE WITH ASTM D-3034 ALL GASKETS SHALL BE 			JNTY -		S	
GINEER.		MARKED OR STENCILED WITH THE ASTM SPECIFICATION DESIGNATION, NAME OR TRADEMARK OF THE MANUFACTURER, AND PIPE SIZE.					10TE	
				<u>)</u>	, L		– 1	
D IN S TO		 ALL LARGE DIAMETER POLYVINYL CHLORIDE PIPE SHALL CONFORM TO ASTM F-679, SHALL BE INTEGRAL BELL AND SPIGOT TYPE, WITH JOINTS CONFORMING TO ASTM D-3212 AND ELASTOMERIC SEALS CONFORMING TO ASTM F-477. 			NTOF		RAL	
ES, ETC., S SHALL LABS		 ALL PIPE AND FITTINGS SHALL BE MARKED OR STENCILED IN CONFORMANCE WITH ASTM F-679. ALL GASKETS SHALL BE MARKED OR STENCILED WITH THE ASTM SPECIFICATION DESIGNATION, NAME OR TRADEMARK OF THE MANUFACTURER, AND PIPE SIZE. 		8500 N	Y OF ME		ENE E	
RESENCE ADED HAN		c. CORRUGATED POLYETHYLENE PIPE 12" DIAMETER AND LARGER) -			U	
CTOR AREAS E DESIGN ECTED		 ALL CORRUGATED POLYETHYLENE PIPE IN THIS SIZE RANGE SHALL BE SMOOTH LINED CONFORMING TO ODOT 707.33. ALL PIPE AND FITTINGS SHALL BE MARKED OR STENCILED WITH THE APPROPRIATE CLASSIFICATION. 						
		d. HIGH-DENSITY POLYETHYLENE PERFORATED PIPE 8"-15" DIAMETER			PROIF).	
NAGED VATER NSATION		ALL PERFORATED HDPE PIPE SHALL ONLY BE USED FOR SYNTHETIC TURF FIELD SUBDRAINAGE SYSTEM, NOT FOR ANY			322	272	· 2	
NS FOR		OTHER STORM IMPROVEMENTS.						
	9)	ALL STORM SEWER JOINTS AND PIPES SHALL BE WATERTIGHT.			SHEET	NAME		

G-2

OF

31

SHEET

LAYOUT NOTES

1.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND NOTIFY

ELECTRICAL GENERAL NOTES

THE CONTRACTOR SHALL APPLY FOR AND SECURE ALL COSTS AND CHARGES FOR PERMITS, CONSTRUCTION, AND MISCELLANEOUS WORK ASSOCIATED WITH AND REQUIRED FOR THE COMPLETION OF THE PROJECT ELECTRICAL WORK.

THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS OF ELECTRICAL WORK BY ALL INSPECTION AUTHORITIES HAVING JURISDICTION. COPIES OF INSPECTION REPORTS SHALL BE MADE AVAILABLE TO THE OWNER UPON REQUEST, AND THREE (3) COPIES OF THE APPROVED FINAL INSPECTION REPORT SHALL ACCOMPANY THE REQUEST FOR FINAL PAYMENT.

ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, OHIO BUILDING CODE, LOCAL CODES AND ORDINANCES WHERE APPLICABLE, AND REQUIREMENTS OF O.S.H.A..

ALL MATERIALS AND EQUIPMENT FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL BE NEW, U.L. LISTED OR LABELED, AND CONFORM TO NEMA AND ANSI STANDARDS WHERE APPLICABLE.

THE CONTRACTOR SHALL BE HELD TO HAVE VISITED THE SITE AND TO FULLY FAMILIARIZED HIMSELF WITH ALL CONDITIONS WHICH AFFECT HIS WORK. COORDINATE AND SCHEDULE WORK WITH OTHER TRADES TO ENSURE SATISFACTORY PERFORMANCE, AVOID DELAYS AND DUPLICATIONS AND MEET THE OWNER'S COMPLETION SCHEDULE.

ALL WORK SHALL BE INSTALLED BY WORKMEN FULLY SKILLED IN THE WORK TO BE PERFORMED. REPAIR OR REPLACE EXISTING EQUIPMENT OR PROPERTY OF THE OWNER DAMAGED BY ELECTRICAL TRADES WORKMEN.

THE CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP PROVIDED BY HIM FOR A PERIOD OF TWO (2) YEARS FROM THE DATE OF OWNER'S FINAL ACCEPTANCE. REPAIR OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER WITHIN THE GUARANTEE PERIOD.

IDENTIFY PANELBOARDS AND USAGE OF PANELBOARD CIRCUIT BREAKERS WITH PLASTIC LAMINOID NAMEPLATES. NAMEPLATES SHALL INDICATE PANEL DESIGNATION, VOLTAGE, AND USE.

PROVIDE TYPEWRITTEN PANELBOARD CIRCUIT DIRECTORY IN PANELBOARD DOOR IDENTIFYING ALL ACTIVE CIRCUITS AND SPARES. ACTIVE CIRCUITS SHALL DESIGNATE EQUIPMENT SERVED.

WIRING BETWEEN LIGHT POLES SHALL BE 2 SINGLE CONDUCTOR #10, 5KV IN 2" CONDUIT DIRECTLY BURIED. (SEE PRICES TO INCLUDE FOR ITEM SPECIFIC MATERIALS TO BE USED)

THE DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO DESCRIBE THE WORK REQUIRED. THE CONTRACTOR SHALL ACCURATELY FIELD MEASURE AND LAY OUT HIS WORK TO EFFECTIVELY ACHIEVE A STRUCTURALLY COORDINATED INSTALLATION WITH THE EXISTING CONDITIONS AND OTHER TRADES.

COORDINATE ALL SERVICE ENTRANCE REQUIREMENTS WITH THE LOCAL ELECTRIC AND TELEPHONE UTILITY COMPANIES TO ENSURE COMPLIANCE TO UTILITY COMPANY REQUIREMENTS. PROVIDE A COMPLETE GROUNDING SYSTEM.

DISCONNECTION, RECONNECTION, AND RELOCATION OF EQUIPMENT SHALL BE COORDINATED SO AS TO CAUSE MINIMAL DISRUPTION OF SERVICE.

LIGHTING FIXTURES SHALL BE AS SCHEDULED ON THE DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE PROVISIONS OF NATIONAL ELECTRICAL CODE.

LIGHTING NOTES

Z:\PROJECT FILES\MA-NZIMENTOR\32272 - CIVIC CENTER PARK IMPROVEMENTS\CAD\DWG\SHEETS\C 32272 - GENERAL NOTES EL-1.DWG - G-3 - 4/22/2025 4:57:13 PM - LENE HILL

THESE NOTES ARE SUPPLEMENTAL TO ITEMS 625 AND 725 OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.

IN ADDITION TO THE REQUIREMENTS OF THE ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, POWER SERVICES SHALL BE AS FOLLOWS:

THE POWER SUPPLYING AGENCY FOR THIS PROJECT SHALL BE AS SHOWN ON THE ELECTRICAL PLANS:

PARKING LOT LIGHTING: THE LOCAL UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE ELECTRICAL SERVICE CONNECTION FOR THE PARKING LOT LIGHTING WITH THE LOCAL UTILITY COMPANY. THE LIGHTS SHALL BE CONTROLLED VIA PHOTOCELLS.

NEW PICKLEBALL COURT LIGHTING: CITY OF MENTOR CIVIC CENTER POOL CONCESSION BUILDING POWER SOURCE. CONTRACTOR TO COORDINATE AND INVESTIGATE PANEL CONNECTION WITH THE CITY POOL MAINTENANCE STAFF. THE LIGHTS SHALL BE INSTALLED WITH A TIMER SYSTEM OR TIED INTO THE EXISTING TIMER TO MATCH THE EXISTING COURT LIGHTING.

POWER SUPPLIED SHALL BE 120/208 VOLT, SINGLE PHASE, 3 WIRE, GROUNDED NEUTRAL.

LIGHT SOURCE WILL BE LED AS NOTED ON THE ELECTRICAL PLANS.

ITEM 625 - PLASTIC CAUTION TAPE

THE LOCATION OF UNDERGROUND CONDUIT AND BURIED ELECTRICAL CABLES SHALL BE MARKED BY THE USE OF A CONTINUOUS IDENTIFYING TAPE BURIED IN THE TRENCH ABOVE THE LINE. THE IDENTIFYING TAPE SHALL BE AN INERT MATERIAL, APPROXIMATELY 6 INCHES WIDE COMPOSED OF POLYETHYLENE PLASTIC, HIGHLY RESISTANT TO ALKALIS, ACIDS, OR OTHER CHEMICAL COMPONENTS LIKELY TO BE ENCOUNTERED IN SOILS. THE TAPE SHALL BE BRIGHT RED WITH IDENTIFYING PRINTING "ELECTRIC" IN BLACK LETTERS, ONE SIDE ONLY. TAPE SHALL BE SUPPLIED IN CONTINUOUS ROLLS WITH THE IDENTIFYING LETTERING REPEATED CONTINUOUSLY THE FULL LENGTH OF THE TAPE. IDENTIFYING TAPE SHALL BE BURIED ON THE ELECTRIC LINE TRENCH WITH ONE STRIP APPROXIMATELY 6 TO 10 INCHES BELOW THE FINAL FINISHED GRADE. THE TAPE SHALL BE PLACED IN THE TRENCH WITH THE PRINTED SIDE UP AND SHALL BE ESSENTIALLY PARALLEL WITH THE FINISHED SURFACE. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO INSURE THAT THE TAPE IS NOT PULLED, DISTORTED, OR OTHERWISE MISPLACED IN COMPLETING THE TRENCH BACKFILL. THE TAPE SHALL BE PAID FOR PER FOOT OF ITEM 625 TRENCHING.

725.051 POLYVINYL CHLORIDE PLASTIC CONDUIT

THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS DATED JANUARY 1, 2023, SHALL BE CONSIDERED A PART OF THE SPECIFICATIONS FOR THIS PROJECT.

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING DRILLED SHAFTS OF THE KIND AND SIZE CALLED FOR ON THE PLANS AND IN THE FOLLOWING SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH ALL LABOR, MATERIALS, TESTS AND APPURTENANCES REQUIRED TO COMPLETE THE WORK AS SPECIFIED.

THE CONTRACTOR IS EXPECTED TO FURNISH THE PROPOSED DRILLED SHAFTS AS PER THESE PLAN REQUIREMENTS WITH THE UNDERSTANDING THAT THE ESTIMATED LENGTH SHOWN ON THE PLANS MAY BE DIFFERENT FROM THE LENGTH DETERMINED TO BE NECESSARY AT THE TIME OF CONSTRUCTING THE DRILLED SHAFTS.

CASING

A CASING WILL BE NECESSARY FOR THE CONSTRUCTION OF EACH DRILLED SHAFT. SEE CASING NOTE BELOW.

THE CASING SHALL BE WATER-TIGHT AND SHALL BE OF AMPLE STRENGTH TO WITHSTAND HANDLING STRESSES AND TEMPORARY EXTERNAL SUBSURFACE PRESSURES. THE CASING SHALL BE SEATED TO SEAL OFF POSSIBLE GROUND WATER. THE CASING LENGTH SHALL BE AS NECESSARY TO CONSTRUCT EACH DRILLED SHAFT. THE CASING SHALL BE LEFT IN PLACE, BUT IT SHALL BE REMOVED ABOVE THE FINISHED GRADE.

CONTRACTOR QUALIFICATION

THE CONTRACTOR SHALL SUBMIT INFORMATION TO DOCUMENT THAT HIS PERSONNEL ARE EXPERIENCED IN THE CONSTRUCTION OF DRILLED SHAFTS OF THE TYPE AND SIZE DESCRIBED BY THE PLANS. THIS INFORMATION SHALL BE SUBMITTED AT THE PRECONSTRUCTION CONFERENCE.

DEVIATION FROM PLAN

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS INVOLVED WHEN MAKING CORRECTIONS TO HIS UNAUTHORIZED DEVIATIONS FROM THE PLANS.

EXCAVATION

ITEM 625 - LIGHT POLE, FOUNDATIONS, CONDUIT AND PULLBOXED

IN ADDITION TO THE REQUIREMENTS OF THE ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LIGHT POLES FOR CONVENTIONAL LIGHTING THE CONTRACTOR SHALL REFER TO THE PRICES TO INCLUDE SECTION OF THE CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

<u>725.11. – LAMPS</u>

CONDUIT FURNISHED UNDER THIS SPECIFICATION SHALL CONFORM TO NEMA STANDARDS PUBLICATION NO. TC-6 WITH THE EXCEPTION THAT CONDUIT AND CONDUIT FITTINGS COMPOSED OF ACRYLONITRILE-BUTADIENE-STYRENE (ABS) SHALL NOT BE ACCEPTABLE.

LIGHT POLE FOUNDATION GENERAL NOTES AND SPECIFICATIONS

EXCAVATION FOR THE DRILLED SHAFTS SHALL BE PERFORMED BY ROTARY DRILLING METHODS USING PRACTICAL METHODS AND MACHINERY ACCEPTABLE TO THE ENGINEER. WHEN OBJECTS SUCH AS LARGE BOULDERS ARE ENCOUNTERED, THEY SHALL BE REMOVED. BLASTING METHODS MAY NOT BE USED.

BOTTOM CLEANOUT

THE BOTTOM OF THE DRILLED SHAFT EXCAVATION SHALL BE FLUSHED AS CLEAN AS PRACTICABLE.

APPROVAL BEFORE CONCRETE PLACEMENT

ITEM 625 - LIGHT POLE FOUNDATION. 24" X 8' DEEP

THE CONTRACTOR SHALL SUBMIT TO THE PROJECT ENGINEER A WRITTEN REPORT OF STEPS AND PROCEDURES THAT HE PROPOSES TO FOLLOW WHEN PLACING AND MONITORING THE CONCRETE PLACEMENT. CONCRETE SHALL NOT BE PLACED IN ANY DRILLED SHAFT EXCAVATION WITHOUT PRIOR APPROVAL FROM THE ENGINEER. THE DRILLED SHAFT EXCAVATION SHALL BE INSPECTED IMMEDIATELY BEFORE THE CONCRETE IS PLACED. NO CONCRETE SHALL BE PLACED DURING INCLEMENT WEATHER CONDITIONS WHICH PROHIBIT A THOROUGH INSPECTION.

DEWATERING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING ANY INCOMING WATER TO THE EXTENT THAT THE SHAFT EXCAVATION IS MAINTAINED DRY ENOUGH FOR PERFORMANCE OF THE REQUIRED INSPECTION AND CONCRETING OPERATIONS. THE PREFERRED METHOD OF CONSTRUCTION IS TO PLACE THE CONCRETE IN A CLEAN, DRY EXCAVATION. THE CONTRACTOR IS EXPECTED TO MAKE A REASONABLE ATTEMPT TO SEAL WATER OUT OF THE DRILLED SHAFT EXCAVATION.

CONCRETE PLACEMENT

THE CONCRETE FOR THE DRILLED SHAFTS SHALL BE PLACED AS PER ITEM 511 EXCEPT AS MODIFIED BY THE PLANS. THE CONCRETE PLACEMENT OPERATION SHOULD BE CONTINUOUS FROM START TO FINISH. THE CONCRETE SHALL BE PLACED AGAINST THE CASING SOIL AND SHALL BE PLACED PROMPTLY AFTER THE FINAL INSPECTION OF THE SHAFT. IF PRACTICABLE, THE CONCRETE SHALL BE PLACED IN A DRY EXCAVATION. CARE SHALL BE TAKEN TO ENSURE THAT CONCRETE IS NOT BEING PLACED IN MOVING WATER. THE CONCRETE CAN BE PLACED IN A DRY, DRILLED SHAFT EXCAVATION BY THE FREE FALL METHOD PROVIDED THE CONCRETE FALLS TO ITS FINAL POSITION THROUGH AIR WITHOUT STRIKING THE SIDES OF THE HOLE, THE REINFORCING STEEL CAGE OR ANY OTHER OBSTRUCTION. THE FREE FALL METHOD ALLOWS THE CONCRETE TO BE DROPPED FROM THE TOP THROUGH A CENTERING CHUTE TO THE CONCRETE'S FINAL POSITION.

CONCRETE

CONCRETE FOR ALL DRILLED SHAFTS SHALL BE CLASS S CONCRETE AND SHALL BE IN ACCORDANCE WITH ITEM 511, EXCEPT AS MODIFIED AND SUPPLEMENTED HEREIN. THE REQUIRED SLUMP IS SIX INCHES (6") TO SEVEN INCHES (7"). THE MAXIMUM WATER TO CEMENT RATIO SHALL BE 0.50. THE TOP 5 FEET OF THE DRILLED SHAFTS ARE REQUIRED TO BE VIBRATED. ONLY A MINIMAL VIBRATORY EFFORT IS NECESSARY. SPECIAL CARE SHALL BE TAKEN NOT TO OVER-VIBRATE THE DRILLED SHAFT CONCRETE.

REINFORCING STEEL

REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF ITEM 509. THE REINFORCING STEEL SHALL BE GRADE 60, EPOXY COATED ASTM A615. SEE DETAILS FOR REINFORCING REQUIREMENTS.

SAFETY PROVISIONS

THE CONTRACTOR SHALL HAVE AT THE JOB SITE ALL EQUIPMENT AND MATERIALS NEEDED TO PROVIDE SAFE CONSTRUCTION AND INSPECTION OF THE DRILLED SHAFTS AS REQUIRED BY CITY, STATE AND FEDERAL SAFETY REQUIREMENTS. WHERE UTILITY OUPS MARKINGS SHOW POTENTIAL CONFLICT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO DETERMINE A NEED TO ADJUST THE LOCATION. THE CONTRACTOR SHOULD EXPECT TO POT-HOLE LOCATIONS WHICH APPEAR TO HAVE OUPS MARKINGS ADJACENT TO PROPOSED POLE LOCATIONS IN ORDER TO DETERMINE CLEARANCES. PAYMENT SHOULD BE INCLUDED IN THE LIGHT POLE FOUNDATION BID ITEM.

				ISSUED FOR:	BID	ON	REVISION	DATE	
SHEET			8500 MUNSON ROAD	ISSUE DATE:	4/22/25				PROFILINI
	SHEET	322 DISCI	- CITY OF MENTOR, LAKE COUNTY -	SCALE:	AS SHOWN				LE E-6 (/ ON,
	- 3	272 PLINE		DESIGNED BY:	RW, CZ				OF NE 6017 TER AL
0F 31		2	ELECTRICAL NOTES	DRAWN BY:	CZ, GA, LE				
				CHECKED BY:	LH, RW				

- HORIZONTAL DATUM OHIO COUNTY COORDINATE SYSTEM (OCCS), LAKE COUNTY, ON

- DEDICATION PLAT.

	(CONTRO		
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	290433.0956	141558.7484	625.90	Iron Pin (Set)
2	290899.3124	141750.2118	625.74	Iron Pin (Set)
3	290718.6266	142216.6362	628.21	Iron Pin (Set)
4	290377.1339	142303.5056	628.38	Iron Pin (Set)
5	290253.9843	142084.3290	628.69	Iron Pin (Set)
10	289522.0945	142134.2871	0.00	Monument Box (Fnd) 5/8 IPIN
11	290025.9833	142135.8718	0.00	Monument Box (Fnd) 5/8 IPIN
12	290253.0453	142032.5770	0.00	Monument Box (Fnd) 5/8 IPIN
13	290387.7095	141877.9843	0.00	Monument Box (Fnd) 5/8 IPIN
14	290461.1060	141682.3314	0.00	Monument Box (Fnd) 5/8 IPIN
2053	290461.0615	141682.6594	625.75	Benchmark (Set)
2054	290315.0824	142264.4426	629.14	Benchmark (Set)
5049	290771.4310	141876.5430	627.78	Benchmark (Set)

Z:\PROJECT FILES\MA-NZ\MENTOR\32272 - CIVIC CENTER PARK IMPROVEMENTS\CAD\DWG\SHEETS\C-32272 - EXISTING CONDITIONS PLAN.DWG - C-1 - 4/16/2025 9:30:31 AM - LENE HILL















Z:PROJECT FILES/MA-NZ/MENTOR/32272 - CIVIC CENTER PARK IMPROVEMENTS/CAD/DWG/SHEETS/C_32272 - LAYOUT PLAN.DWG - C-5 - 4/22/2025 5:32:37 PM - LENE HILL



COL	DED NOTES & LEGEND				
01	STANDARD DUTY ASPHALT PAVEMENT				
02	ASPHALT PATH				
03	COLOR COATED ASPHALT COURT				
04	STORMWATER BASIN				
«	CONCRETE APRON				
06	CONCRETE CURB				
«	CONCRETE PAVEMENT				
	ADA DETECTABLE WARNING SURFACE (TYP.)				
- \$ - (09)	LIGHT POLE, REFER TO LIGHTING PLANS				
f 10	BASKETBALL GOAL POST				
- (11)	STOP SIGN (TYP.)				
- (12)	BIKE PATH STOP SIGN				
(13)	STOP BAR				
////////14	CROSSWALK PAVEMENT MARKING				
	CONCRETE PAVMENT FLUSH WITH PARKING				
E (16)	ACCESSIBLE PARKING SYMBOL				
- (17)	HANDICAP PARKING SIGN (TYP.)				
18	CONCRETE WALK RAMP				
19	ISLAND PAVEMENT MARKING (TYP.)				
(20)	CONCRETE BUMPER BLOCK				
(21)	EXISTING WALK				
	2 RAIL SPLIT RAIL FENCE				
	COURT LIGHTS, REFER TO LIGHTING PLANS				
•	10' CHAINLINK FENCE				
• — • — • (25)	PICKLEBALL NET & POST				
 • _ • _ (26)	4' CHAINLINK FENCE				
$\angle \circ - (27)$	3' WIDE GATE				
$\phi \circ - \circ - (28)$	3' FENCE OPENING				
(29)	COURT LINE STRIPING				
(30)	DETENTION BASIN 8' WIDE ACCESS ROUTE				
u(31)	GUARDRAIL				
	CATCH BASIN/MANHOLE, REFER TO UTILITY PLANS				
	CURB INLET				
[] [] [] [] [] [] [] [] [] [] [] [] [] [FRENCH DRAIN				
^{CO} O (35)	FRENCH DRAIN CLEAN-OUT				
— (36)	HEADWALL				
37	RIPRAP				
(38)	STORMWATER OUTLET CONTROL STRUCTURE				
	DETENTION BASIN 8' WIDE ACCESS ROUTE				
(40)	DECORATIVE ROCK INFILL BETWEEN COURTS				
(41)	EXISTING FENCE TO REMAIN				

Z:\PROJECT FILES\MA-NZ\MENTOR\32272 - CIVIC CENTER PARK IMPROVEMENTS\CAD\DWG\SHEETS\C_32272 - LAYOUT PLAN.DWG - C-6 - 4/22/2025 5:32:37 PM - LENE HILL







DESCRIPTION (STRUCTURAL) EXCAVATION & EMBANKMENT STORM SEWER TRENCH	CUT 6,250 CY 750 CY	FILL 1,850 CY
SUB-TOTAL	7,000 CY 5,150 CY	1,850 CY
DESCRIPTION (NON-STRUCTURAL)	CUT	FILL
TOPSOIL STRIP (8"±)	3,200 CY	
TOPSOIL STRIP (6"±)	200 CY	
TOPSOIL REQUIRED (4")		700 CY
	3,400 CY	700 CY
SUB-TOTAL	2,700 CY	
NET TOTAL (EXPORT)	7,850 CY	





	STORM CODED NOTES	(3F)	STORM CATCH BASIN (2' X 2') RIM = 628.02 INV = 623.13 (12" SE & NI)	(5D)	STORM CURB INLET (2' X 3') TC = 627.70	7	20' - 4" PERFORATED PVC SDR 35 FINGER DRAIN (MULTIPLE LOCATIONS PER PLAN)		55' - 12" HDPE STORM @ 1.00%	(11D)	Storm Catch Basin Rim = 628.78 Inv = 623.3 (6" E)
	STORM HEADWALL	(3G)	STORM CATCH BASIN (2' X 2')		GOT = 627.20 INV = 624.70 (4" W & N) INV = 625.20 (4" E)	(8A)	103' - 4" PERFORATED PVC SDR 35 UNDER DRAIN		75' - 12" HDPE STORM @ 0.75%	(1E)	Inv = 623.2 (8" W) Storm Catch Basin Bim = 627.08
	INV = 618.00 (24" E)		INV = 624.78 (6" N) INV = 621.72 (12" SW & SE)		INV = 623.20 (12" S)	<u>(88)</u>	94' - 4" PERFORATED PVC SDR 35 UNDER DRAIN		75' - 12" HDPE STORM @ 0.77%		Inv = 624.1 (4" E) Inv = 623.8 (6" N)
(2A)	10 LF ODOT ITEM 601.08 18" TYPE "C" (6' WIDE)	⟨ЗН⟩	STORM CATCH BASIN (2' X 2') RIM = 627.28	$\langle 6A \rangle$	RIM = 628.46 INV = 625.96 (6" NE)		94" - 4" PERFORATED PVC SDR 35 UNDER DRAIN	103	18' - 12" HDPE STORM @ 1.00%	(11F)	Storm Catch Basin Rim = 626.77 Inv = 623.3 (8" W)
$\langle 2B \rangle$	INV = 620.44 (15" SW) STORM HEADWALL W/ ROCK CHANNEL PROTECTION		INV = 624.78 (6" S) INV = 622.28 (12" E & N)	(6B)	STORM CLEANOUT (4"Ø) RIM = 628.76		56' - 6" PERFORATED PVC SDR 35 FRENCH DRAIN @ 2.11%		13' - 24" HDPE STORM @ 1.00%	410	Inv = 623.1 (8" S & E) Storm Catch Basin
	10 LF ODOT ITEM 601.08 18" TYPE "C" (6' WIDE) INV = 620.99 (12" NW)	$\langle 3I \rangle$	STORM CATCH BASIN (2' X 2') RIM = 628.00		INV = 626.26 (6" S) STORM CLEANOUT (4"Ø)		29' - 6" PERFORATED PVC SDR 35 FRENCH DRAIN @ 2.03%		21' - 12" HDPE STORM @ 1.00%		Rim = 626.06 Inv = 623.5 (4" E & W)
$\langle 2C \rangle$	STORM HEADWALL W/ ROCK CHANNEL PROTECTION (SKEW)	(4A)	INV = 623.00 (12" S) STORM CATCH BASIN (3' X 3')		RIM = 627.87 INV = 625.37 (6" S)		85' - 6" PERFORATED PVC SDR 35 FRENCH DRAIN @ 1.10%		38' - 12" HDPE STORM @ 1.89%	(12A)	Storm Curb Inlet Rim = 628.84 Inv = 624.6 (12" E)
	18" TYPE "C" (6' WIDE) INV = 617.66 (12" SW)		RIM = 627.23 INV = 624.73 (4" SW, SE, & NE) INV = 622.70 (12" W)	(6D)	STORM CLEANOUT (4"Ø) RIM = 627.87	 	29' - 6" PERFORATED PVC SDR 35 FRENCH DRAIN @ 2.03%	(100)	11' - 6" PVC SDR 35 STORM @ 1.00%	(12B)	Storm Curb Inlet Rim = 628.58
2D	STORM HEADWALL W/ ROCK CHANNEL PROTECTION 10 LF ODOT ITEM 601.08		INV = 622.60 (12" S & N)		INV = 625.37 (6" N) STORM CLEANOUT (4"Ø)		147' - 6" PERFORATED PVC SDR 35 FRENCH DRAIN @ 1.07%	(10P)	75' - 12" HDPE STORM @ 1.00%	(13)	Inv = 623.8 (12" E & W) Storm Catch Basin Manhole
	18" TYPE "C" (6' WIDE) INV = 621.40 (12" W)	<u> </u>	W/ OPEN GRATE RIM = 627.38		RIM = 628.18 INV = 625.68 (6" N)	(9F)	118' - 6" PERFORATED PVC SDR 35 FRENCH DRAIN @ 1.00%		68' - 12" HDPE STORM @ 2.67%		Rim = 629.42 $Inv = 623.2 (12" W)$ $Inv = 621.4 (8" S)$ $Inv = 620.4 (20" S PM)$
(3A)	STORM CATCH BASIN (2' X 2') RIM = 628.02		INV = 624.88 (4" SW & SE) INV = 622.54 (12" SW) INV = 621.95 (12" NW)	(6F)	STORM CLEANOUT (4"Ø) RIM = 626.61	(10A)	45' - 12" HDPE STORM @ 1.90%	(OR)	18' - 12" HDPE STORM @ 0.75%	$\langle 14 \rangle$	STORM MANHOLE (7' Ø)
	INV = 624.02 (12" N) STORM CATCH BASIN (2' X 2')		INV = 621.33 (12 INV) INV = 621.16 (12" S) INV = 620.96 (15" NE)	(FC)	INV = 624.11 (6" S & NW) STORM CLEANOUT (4"Ø)	(10B)	60' - 12" HDPE STORM @ 0.77%	(11A)	Storm Catch Basin Rim = 628.17 ADJUST RIM = 628.69		STORMWATER MANAGEMENT OUTLET CONTROL STRUCTUR (SEE SPECIAL DETAIL)
30	RIM = 627.23 INV = 624.73 (4" SW, NW, & NE)	(5A)	STORM CURB INLET (2' X 3') TC = 627.00	00	RIM = 627.81 INV = 625.31 (6" N)		74' - 12" HDPE STORM @ 1.00%		Inv = 626.0 (8" NW & SE) Storm Catch Basin	(15)	CORE DRILL EX. STORM SEWE
$\overline{30}$	STORM CATCH BASIN (2' X 2')		GUT = 626.50 INV = 624.50 (4" SW)	(6H)	STORM CLEANOUT (4"Ø) RIM = 627.79		53' - 12" HDPE STORM @ 1.00%	(11B)	Rim = 628.8 Inv = 627.6 (4" N)		STORM YARD INI ET (18" Ø)
<u> </u>	RIM = 627.38 INV = 624.88 (4" NW, SW, & NE) INV = 623.38 (12" NE)		INV = 622.50 (12" SE)		INV = 624.13 (6" S & N) EXTEND EX. STORM PIPE:		190' - 12" HDPE STORM @ 0.90%	(110)	Storm Catch Basin Rim = 628.76 Inv = 627.6 (4" S)	(16)	RIM = 626.06 INV = 623.55± (4"± E & W)
3D>	STORM CATCH BASIN (2' X 2')	(5B)	TC = 626.64 GUT = 626.14		5' - 4" PVC STORM @ 1.00%		60' - 12" HDPE STORM @ 1.40%	T	Inv = 626.6 (8" N)		
	RIM = 627.28 INV = 624.78 (6" SW) INV = 622.28 (12" NE)		INV = 624.14 (4" W & N) INV = 621.14 (12" NW & SE)	<u>(6</u>)	UNDERDRAIN PIPE AS REQUIRED:			G ^{AS}			
3E>	STORM CATCH BASIN (2' X 2') RIM = 627.87	(5C)	STORM CURB INLET (2' X 3') TC = 626.64		10' - 4" PVC STORM @ 1.00%	V		∕ ×			
	INV = 625.37 (6" N) INV = 623.87 (12" NW)		GUT = 626.14 INV = 624.14 (4" SE & NE)			AN ³					
			INV = 621.53 (12" W, N, & E)					R			
							Million Mill				
				WLS			AND	· · · · · · · · · · · · · · · · · · · ·		NI-C	APPROXIMITE LOCATION OF CONVERTION PERFAMINUL AND RECOOD
				WLS	WLS		NUTLUN NUTLUN				APPROXIMITE LOOPINOUS SECOND S
						BOTTOM STORM WAT	TOREAT AREA NOTO: TOREAT AREA TOREAT AREA TOREA TOREAT AREA TOREA				

Z: VPROJECT FILES MA-NZIMENTOR 32272 - CIVIC CENTER PARK IMPROVEMENTS (CAD/DWG\SHEETS (C-32272 - SITE UTILITY PLAN.DWG - C-11 - 4/22/2025 5:07:35 PM - LENE HILL

- WORK. PROPOSED DEMOLITION PLAN ITEMS ARE NOT SHOWN 2. FOR CLARITY PURPOSES.
- EXISTING AND PROPOSED TOPOGRAPHY ARE SHOWN 3. FOR REFERENCE PURPOSES ONLY TO AID IN UNDERSTANDING DEPTH AND COVER OF EXISTING AND PROPOSED UTILITIES. DO NOT USE THIS SHEET FOR GRADING PURPOSES; SEE GRADING PLAN SHEETS FOR ACTUAL PROPOSED GRADING INFORMATION.
- SEE GENERAL NOTES SHEET FOR ADDITIONAL 4. INFORMATION, SPECIFICATIONS AND OTHER REQUIREMENTS.
- SEE GENERAL ABBREVIATIONS, LINETYPES & -5 SYMBOLS SHEET FOR COMMONLY USED ABBREVIATIONS, LINETYPES AND SYMBOLS.

SHEET CODED NOTES

SEE SITE UTILITY PLAN OVERVIEW SHEET C-11 FOR 1. ALL CODED NOTES

	SOIL TYPES	EROSION CONTROL NOTES	TMDLS AND BMPS SELECTED	MAINTENANCE REQUIREMENTS	
	NAME DESCRIPTION %	1) SPECIAL MEASURES SHALL BE TAKEN TO STABILIZE DRAINAGE	1) APPLICABLE TMDLS FOR THE SITE:	1) BMPS SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL	INTE OF OX
	Or Urban land - Orrville silt loam 0%	 2) DIVERT SURFACE RUNOFF AWAY FROM DISTURBED AREAS AND 2) DIVERT SURFACE RUNOFF AWAY FROM DISTURBED AREAS AND 	() PHOSPHORUS() AMMONIA() HABITAT() NITROGEN() BACTERIA() FLOW	 2) THE CONTRACTOR SHALL PROVIDE A QUALIFIED PERSON (A) AND ADDEAD FOR THE PERSON 	LENE + ILENE C. HILL
	CtA Urban land - Conneaut silt loam, 0 to 1 percent slopes 100%	 3) STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN THE TIME FRAMES IN THE FOLLOWING TABLES¹ 	(X) SEDIMENT/TOTAL SUSPEND SOLIDS () DISSOLVED OXYGEN/ORGANIC ENRICHMENT	EROSION AND SEDIMENT CONTROLS, POSSESS THE TECHNICAL SKILLS TO ASSESS SITE CONDITIONS THAT COULD IMPACT	Е-66017 Никорания ССТАТЕР ССТАТЕР ССТАТЕР ССТАТЕР ССТАТЕР ССТАТЕР
NOT TO SCALE	GENERAL NOTES	AREA REQUIRING TIME FRAME TO	2) THE FOLLOWING BMPS ARE SELECTED TO ADDRESS	STORM WATER QUALITY, AND CAN ASSESS THE EFFECTIVENESS OF ANY BMP SELECTED.	ONAL ECONICION
and the second sec	1) THIS SWP3 HAS BEEN PREPARED SHOWING THE ITEMS LISTED	TEMPORARY STABILIZATION APPLY CONTROLS AREA WITHIN 50 FEET OF A WITHIN 2 DAYS OF MOST	APPLICABLE TMDLS FOR THE PROJECT:	2) A QUALIFIED PERSON MUST INSPECT BMPS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL IN A 24-HOUR PERIOD TO DETERMINE IF THE SWP3	
Lases I Later I MILLE	BELOW, BUT THE CONTRACTOR MAY NEED TO MOVE OR ADD ITEMS AS CONSTRUCTION PROGRESSES OR DURING THE VARIOUS STACES OF CONSTRUCTION SOME ITEMS MAY	SURFACE WATER, NOT AT FINAL RECENT DISTURBANCE GRADE AND TO REMAIN IDLE	CONSTRUCTION SITE: (X) DEMARCATE PROTECTED AREA BEFORE CONSTRUCTION	WAS PROPERLY IMPLEMENTED.3) THE QUALIFIED PERSON MUST PREPARE A WRITTEN REPORT	
	ALREADY BE SHOWN ON THE SWP3, BUT MOVED TO BETTER SUIT THE CONTRACTOR'S MEANS AND METHODS.	ANY OTHER AREA TO BE WITHIN 7 DAYS OF MOST	(X) MAINTAIN PORTABLE TOILET AND EMPTY W/OUT SPILL (X) PROPER STORAGE OF LANDSCAPE FERTILIZER	AFTER EACH INSPECTION SUMMARIZING INSPECTION RESULTS INCLUDING THE FOLLOWING:	
THE PARTY AND A DESIGN AND A DE	 LIMITS OF EARTH DISTURBING ACTIVITY CONSTRUCTION ENTRANCE(S) 	DORMANT MORE THAN 14 DAYS, RECENT DISTURBANCE BUT LESS THAN 1 YEAR Image: constraint of the second	(X) MS4 MONTHLY INSPECTIONS DURING CONSTRUCTION (X) RESOLVE NON-COMPLIANCE SWP3 INSPECTION ITEMS	DATE OF INSPECTIONNAME AND QUALIFICATION OF THE INSPECTOR	5
	 EROSION AND SEDIMENT CONTROL MEASURES INLET PROTECTIONS 	AREA TO REMAIN IDLE OVER PRIOR TO ONSET OF WINTER WINTER WEATHER	(X) FINAL INSPECTION TO ENSURE BMP IMPLEMENTATION	 WEATHER CONDITIONS LOCATIONS WHERE IN-STREAM OR OFF-SITE 	
SITE INFORMATION	CONCRETE WASHOUT PIT(S)EQUIPMENT STAGING	AREA TO BE PAVED STABILIZE WITH STONE SUBBASE UNTIL PAVED	TEMPORARY EROSION CONTROL: () CHECK DAMS () TEMPORARY DIVERSION	OBSERVED.	
PROJECT INFORMATION:	 FUEL STORAGE AND VEHICLE FUELING AREA CONSTRUCTION TRAILER(S) 	AREA REQUIRING TIME FRAME TO	() SLOPE DRAIN() STREAM UTILITY CROSSING() DEWATERING() STREAM CROSSING	 LOCATIONS OF BMPS FAILING TO OPERATE CORRECTLY OR PROVIDE ADEQUATE PROTECTION. 	
CIVIC CENTER REC AREA IMPROVEMENTS	 SANITATION FACILITY MATERIAL STOCKPILE LOCATION(S) 	AREA TO BE DORMANT FOR 1 WITHIN 7 DAYS OF MOST	TEMPORARY SEDIMENT CONTROL:	LOCATION OF AREAS IN NEED OF ADDITIONAL BMPS NOT IN PLACE AT THE TIME OF INSPECTION.	Ū
LATITUDE: <u>41.696594</u> LONGITUDE: <u>-81.329883</u>	 CHEMICAL COMPOUND MIXING AND STORAGE AREA ANY OTHER EROSION CONTROL REQUIRED 	YEAR OR MORE RECENT DISTURBANCE	() SEDIMENT BASIN(X) SEDIMENT TRAP(X) SILT FENCE(X) INLET PROTECTION	CORRECTIVE ACTIONS REQUIRED, CHANGES TO THE SWP3 AND IMPLEMENTATION DATES.	
OWNER INFORMATION: CITY OF MENTOR	2) ALL WORK REQUIRED TO IMPLEMENT THE SWP3 INCLUDING INSPECTION FEES, MAINTENANCE AND REPAIRS SHALL BE DONE	AREA WITHIN 50 FEET OF AWITHIN 2 DAYS OFSURFACE WATER AND AT FINALREACHING FINAL GRADECRADECRADE	(X) FILTER SOCK () FILTER BERM	 GRADING AND STABILIZATION ACTIVITY LOG EROSION AND SEDIMENT CONTROL AMENDMENT LOG 	
8500 MUNSON RD, MENTOR, OH 44060 CONTACT: KENNETH J. FILIPIAK	BY AND AT THE EXPENSE OF THE CONTRACTOR.3) THE CONTRACTOR SHALL AMEND THE SWP3 WHEN THERE IS A	ANY OTHER AREA AT FINAL WITHIN 7 DAYS OF	SOIL STABILIZATION: (X) DUST CONTROL () PHASED DISTURBANCE	4) ALL INCIDENCES OF NON-COMPLIANCE MUST BE IDENTIFIED IN THE REPORT. IF A REPORT DOES NOT IDENTIFY INCIDENCES	DATE
PHONE: 440-974-5790 CIVIL ENGINEER INFORMATION:	CHANGE IN DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE THAT REQUIRES INSTALLATION OF BMPS OR MODIFICATION TO EXISTING BMPS	GRADE REACHING FINAL GRADE	(X) MULCHING (X) CLEARING AND GRUBBING (X) SODDING (X) TEMPORARY SEEDING	SITE IS IN COMPLIANCE AT THE TIME OF INSPECTION. 5) BMP MAINTENANCE OR REPAIR MUST BE COMPLETED WITHIN 3	
VERDANTAS 8150 STERLING COURT	 4) ADDITIONAL OR DIFFERENT BMPS MAY BE NEEDED AS CONSTRUCTION PROGRESSES OR AS REQUIRED BY THE OWNER, 	SEDIMENT CONTROL NOTES	(X) TOPSOILING (X) PERMANENT SEEDING (X) CONSTRUCTION ENTRANCE	DAYS, AND SEDIMENT POND MAINTENANCE OR REPAIR WITHIN 10 DAYS, OF THE INSPECTION THAT REVEALED A DEFICIENCY.	
MENTOR, OHIO 44060 CONTACT: GENE ARTERS, PE	SWCD OR OHIO EPA. 5) PHASE CONSTRUCTION ACTIVITIES TO MINIMIZE LAND	1) INLET PROTECTION AND SEDIMENT BARRIERS MUST BE INSTALLED PRIOR TO CLEARING AND GRUBBING.	() TEMPORARY ROLLED EROSION CONTROL PRODUCTS	6) WHEN AN INSPECTION REVEALS A BMP IS NOT EFFECTIVE AND A MORE APPROPRIATE BMP IS REQUIRED, THE SWP3 SHALL BE AMENDED. THE NEW PMP INSTALLED WITHIN 10 DAYS OF THE	
PHONE: 440-951-9000	DISTURBED AT ANY ONE TIME AND LEAVE EXISTING VEGETATION IN PLACE AS LONG AS POSSIBLE.	2) PERIMETER SEDIMENT BARRIERS SHALL BE INSTALLED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF CLEAPING AND CRUPPING	(X) TREE AND NATURAL AREA PRESERVATION	INSPECTION THAT REVEALED THE DEFICIENCY, AND THE "STORM WATER POLLUTION PREVENTION PLAN AMENDMENT	
TYPE OF CONSTRUCTION: (X) NEW () MAINTENANCE () REDEVELOPMENT		 3) SEDIMENT PONDS, TEMPORARILY MODIFIED PERMANENT PONDS AND PERIMETER SEDIMENT BARRIERS MUST BE INSTALLED AS 	PERMANENT EROSION CONTROL:	 LOG" FORM COMPLETED. 7) WHEN AN INSPECTION REVEALS A BMP HAS NOT BEEN INSTALLED, BUT IS DECLUDED TO PROVIDE ADECULATE 	
	ADMINISTRATIVE NOTES	THE FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF CLEARING AND GRUBBING, AND CONTINUE TO	() LEVEL SPREADER () ROCK OUTLET PROTECTION () DIVERSION () SUBSURFACE DRAIN	CONTROL, IT MUST BE INSTALLED PRIOR TO THE NEXT STORM EVENT WHICH PRODUCES RUNOFF, BUT IN NO CASE LATER	
() RETAIL () COMMONITY () MIXED USE () OFFICE (X) RECREATION () RESIDENTIAL () MEDICAL () DUBLIC CAFETY () RESIDENTIAL	1) AN OHIO EPA NPDES PERMIT IS REQUIRED WHERE	 FUNCTION UNTIL ALL DISTURBED UPLAND AREAS ARE STABILIZED. 4) SEDIMENT CONTROLS MUST POND BUNGEE TO BE CONSIDERED. 		THAN 10 DAYS FROM THE INSPECTION THAT REVEALED THE DEFICIENCY.	
() MEDICAL () PUBLIC SAFETY () RESTAURANT () UTILITY () EDUCATION () APARTMENT	CONSTRUCTION ACTIVITIES DISTURB 1 OR MORE ACRES OF LAND, OR SMALLER SITES LESS THAN 1 ACRE THAT ARE PART	 5) SEDIMENT-LADEN TRENCH OR GROUND WATER MUST PASS 	(X) ROUTINE FACILITY INSPECTIONS	 THE INSPECTION FREQUENCY MAY BE REDUCED TO 1 TIME PER MONTH IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WINTER WEATHER (I.E. 	<u>8</u>
() ROAD () INDUSTRIAL () MANUFACTURING	LAND IN WHICH VEGETATION HAS BEEN CLEARED AND SOILS ARE EXPOSED TO STORM WATER. A NOI IS REQUIRED FOR THIS	THROUGH A SEDIMENT-SETTLING POND OR BE DEWATERED IN-PLACE USING A SUMP PIT, FILTER BAG OR OTHER	(X) VISUAL ASSESSMENT OF STORM WATER DISCHARGE (X) ANNUAL COMPREHENSIVE SITE INSPECTION	SUSTAINED SNOW COVER OR FROZEN GROUND CONDITIONS). A WAIVER OF INSPECTION REQUIREMENTS IS AVAILABLE UNTIL	WN VI CZ
DEVELOP A NEW PARKING LOT, PAVED PATHS, TWO NEW BASKETBALL COURTS, TWO NEW PICKLE BALL COURTS, AND A	PROJECT AND MUST BE FILED WITH THE OHIO EPA AT LEAST 21 DAYS PRIOR TO THE START OF CONSTRUCTION BECAUSE THE TOTAL LAND DISTUBBANCE IS OPEATED THAN 1 ACRE	 COMPARABLE METHOD, PRIOR TO DISCHARGE FROM THE SITE. 6) TRENCH AND GROUND WATER FREE FROM SEDIMENT OR OTHER POLLUTANTS MAY BE DISCHARGED WITHOUT TREATMENT 	(X) SWEEP PARKING LOT AND DRIVE LANES (X) CLEAN CATCH BASINS	1 MONTH BEFORE THAWING CONDITIONS ARE EXPECTED IF ALL THE FOLLOWING CONDITIONS ARE MET:	4/22 4/22 4/22 4/22 7/2 7/2 7/2 7/2
DETENTION POND. SOIL DISTURBING ACTIVITIES INCLUDE:	2) THE CONTRACTOR SHALL FOLLOW THE PRACTICES AND REQUIREMENTS PROVIDED IN THE OHIO EPA NPDES	PROVIDED THIS WATER DOES NOT BECOME POLLUTANT-LADEN BY TRAVERSING OVER DISTURBED SOILS OR OTHER POLLUTANT	 (x) STORE WASTE IN LIDDED CONTAINERS () LOCATE SNOW DISPOSAL AREAS AWAY FROM BMPS (4) EQTABLISH UP LOT A DISPOSAL AREAS AWAY FROM BMPS 	FOR EXTENDED PERIODS OF TIME (I.E. MORE THAN 1 MONTH).	× × ×
EROSION AND SEDIMENT CONTROL, VEGETATION REMOVAL, TOPSOIL MANAGEMENT, EARTH GRADING, STORM DRAINAGE	CONSTRUCTION SITE STORM WATER GENERAL PERMIT OHC000006 AND THE ODNR RAINWATER AND LAND	SOURCES. 7) SETTLED MATERIAL SHALL BE DISPOSED OF IN A STABILIZED LOCATION WHERE IT WILL NOT BE CARRIED OF SITE OR INTO A	(X) ESTABLISH "PICK-UP PET WASTE" STATION	 SOIL DISTURBANCE ACTIVITIES HAVE BEEN SUSPENDED. THE BEGINNING AND ENDING DATES OF THE WAIVER 	IED FOF
SUBBASE FOR NEW PAVEMENTS. DESCRIPTION OF PRIOR LAND USE:	TERMS AND CONDITIONS UNTIL A NOT IS FILED.	STORM SEWER BY RAINFALL.	() WETLAND SETBACK () STREAM SETBACK	 PERIOD ARE DOCUMENTED IN THE SWP3. 9) ONCE A DEFINABLE AREA HAS BEEN FULLY STABILIZED, IT MAY PERMARKED ON THE SWIP3 AND NO FURTHER INSPECTION. 	ISSL DES
WOODED LAND, A SKATEBOARD PARK AND A BASKETBALL COURT.	 FOLLOWING OCCUR: OHIO EPA NPDES AUTHORIZATION LETTER RECEIVED 	OTHER WASTE CONTROL NOTES	() GRASS FILTER STRIP () INFILTRATION TRENCH	REQUIREMENTS ARE REQUIRED FOR THAT AREA OF THE SITE.	
SITE AREA INFORMATION:	THE CONTRACTOR FILES A CO-PERMITTEE APPLICATION TO THE OHIO EPA	1) SOIL STOCKPILES SHALL BE RINGED WITH SILT FENCE ALONG THE BOTTOM FOOTPRINT. IF THE STOCKPILE WILL BE INACTIVE	() TREE BOX FILTER () SAND FILTER () GREEN ROOF () LTMA	WITH THE OHIO EPA.	X
TOTAL PROPERTY AREA:4.24AC.PROJECT LIMIT/CONSTRUCTION AREA:4.24AC.	THE CONTRACTOR ATTENDS A PRE-CONSTRUCTION MEETING WITH THE SWCD TO DISCUSS OHIO EPA NPDES DEDMIT DECUMPEMENTS	FOR 14 DAYS OR MORE, THE SURFACE SHALL BE SEEDED OR STABILIZED WITHIN 7 DAYS OF LAST DISTURBANCE.	() RAIN GARDEN AREA () CISTERN () RAIN GARDEN WITH INTERNAL WATER STORAGE	SEQUENCE OF MAJOR	
AREA OF SOIL DISTURBANCE:4.24AC.EXISTING IMPERVIOUS AREA:0.53AC.	4) ELECTRONIC VERSIONS OF OHIO EPA FORMS INCLUDING NOI, NOT CO-PERMITTEE NOI/NOT INDIVIDUAL LOT NOI/NOT AND	2) CONCRETE TRUCKS ARE NOT PERMITTED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONTO THE GROUND OR INTO STORM INLETS, DITCHES, STREAMS,	() OPEN CHANNEL SWALES () WET EXTENDED DETENTION BASIN	CONSTRUCTION ACTIVITIES	
PROPOSED IMPERVIOUS AREA:3.14AC.PROPOSED DEVELOPED AREA OF SITE:4.24%	TRANSFER ARE AVAILABLE THROUGH THE OHIO EPA AND CAN BE SUBMITTED ELECTRONICALLY. VISIT THE OHIO EPA	WETLANDS OR ANY OTHER SURFACE WATERS. ALL EXCESS CONCRETE AND CONCRETE WASHOUT, INCLUDING FROM HAND MIXERS AND LIGHT FOURMENT, MUST BE DISPOSED OF IN A	(X) DRY EXTENDED DETENTION BASIN WITH FOREBAY () RETROFIT SWMF TO TREAT WQV	HOLD A PRE-CONSTRUCTION MEETING TO DISCUSS OHIO EPA NPDES PERMIT REQUIREMENTS.	
INCREASE/DECREASE OF IMPERVIOUS AREA: 492 %	ELECTRONIC BUSINESS SERVICES WEBSITE AT WWW.EPA.OHIO.GOV/DSW/STORM/INDEX FOR MORE INFORMATION AND GUIDANCE.	CONCRETE WASHOUT AREA TO COLLECT AND HARDEN. 3) OFF-SITE TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES	() RETROFIT SWMF TO INCREASE INFILTRATION () RETROFIT SWMF POND TO FUNCTION AS WETLAND	 2) CONTRACTOR SUBMITS CONSTRUCTION SCHEDULE FOR CONSTRUCTION ACTIVITIES. 3) BEGIN INSPECTION MAINTENANCE RECORD KEEPING AND SITE 	
NAME OF RECEIVING STREAM, SURFACE WATER OR MS4:	5) THE CONTRACTOR SHALL SELECT INDIVIDUALS TO BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR	MUST BE MINIMIZED. THE CONTRACTOR SHALL SWEEP ALL ADJACENT ROADS TO REMOVE MUD, DIRT OR ROCK TRACKED	() AS-BUILT POST-BMPS () SUBMIT LTMA ANNUAL MAINTENANCE REPORT TO MS4	POSTING OF BMPS.4) ESTABLISH STAGING AREA AND NON-SEDIMENT BMPS.	
QUALITY OF STORM WATER DISCHARGE FROM SITE:	ACTIVITIES, AND COMPLETING INSPECTION AND MAINTENANCE REPORTS. THE CONTRACTOR SHALL COMPLETE A "DELEGATION OF AUTHORITY FOR STORM WATER POLLUTION	REQUIRED DURING THE DAY. DUMP TRUCKS HAULING MATERIAL FROM THE SITE SHALL BE COVERED WITH A TARPAULIN.	() REDUCE IMPERVIOUS SURFACES () DECREASE QUANTITY OF PARKING SPACES	5) INSTALL SILT FENCE, INLET PROTECTION AND CONSTRUCTION ENTRANCE.	
	PREVENTION PLAN" AND PROVIDE A COPY TO THE OWNER AND SWCD.	4) IT IS PROHIBITED TO BURN, BURY OR POUR ONTO THE GROUND OR INTO STORM INLETS, DITCHES, STREAMS, WETLANDS OR ANY	() LOW IMPACT DEVELOPMENT () CONSERVATION DEVELOPMENT	6) INSTALL OTHER TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS AS SOON AS POSSIBLE, BUT NO LATER THAN 7 DAYS AFTER FIRST SOIL DISTURBANCE. INSPECT AND	
ESTIMATED CONSTRUCTION START DATE: 06/01/2025 ESTIMATED CONSTRUCTION COMPLETION DATE: 12/31/2025	6) THE CONTRACTOR SHALL HAVE SUBCONTRACTORS THAT ARE ENGAGED IN ACTIVITIES THAT COULD IMPACT STORM WATER COMPLETE A "SUBCONTRACTOR AGREEMENT FOR EROSION	TRASH, CONSTRUCTION DEBRIS, SOLVENTS, PAINT, DIESEL FUEL, GASOLINE, MOTOR OIL, HYDRAULIC FLUID, CEMENT CURING	() DISCONNECT DOWNSPOUT AND REDIRECT TO BMP () VEGETATE MAINTENANCE/STORAGE YARD OPEN AREAS	MAINTAIN BMPS FOR THE PROJECT DURATION UNTIL UPSLOPE AREAS ARE PERMANENTLY STABILIZED.	
	AND SEDIMENT CONTROL", AND THEN PROVIDE A COPY TO THE OWNER AND SWCD.	COMPOUND, ANTIFREEZE OR OTHER TOXIC OR HAZARDOUS WASTE. WASTE MATERIALS SHALL BE COLLECTED IN A SECURELY LIDDED DUMPSTER, DISPOSED OF IN AN ADDROVED	(X) IMPLEMENT LOW-MOW OR NO-MOW PRACTICES () PEST MANAGEMENT PROGRAM	 BEGIN SITE CLEARING AND CONSTRUCTION. INSTALL DEWATERING MEASURES. 	RN CF
	 THE CONTRACTOR SHALL KEEP ON-SITE COPIES OF THE NOI, NPDES, SWP3 AND INSPECTION LOGS/REPORTS. 	 5) FUEL TANKS, DRUMS AND OTHER CONTAINERS HOLDING 	PERMIT CLOSURE REQUIREMENTS	9) BEGIN EARTHWORK OPERATIONS.10) APPLY TEMPORARY SEED.	
	 ALL EROSION AND SEDIMENT CONTROL WORK SHALL BE SUBJECT TO INSPECTION BY THE SWCD AND OHIO EPA. THE CONTRACTOR SHALL KEEP ALL RECORDS FOR 3 YEARS 	CHEMICALS MUST BE STORED WITHIN A DIKED AREA WITH A VOLUME OF AT LEAST 110% OF THE LARGEST TANK. A DIKED	1) FINAL STABILIZATION REQUIRES THE CONTRACTOR TO REMOVE ALL TEMPORARY SEDIMENT AND EROSION CONTROLS FROM	 INSTALL STORM SEWERS AND INLETS. INSTALL PAVING. 	
EROSION CONTROL TIMETABLE	AFTER CONSTRUCTION HAS COMPLETED.	 ANEA 10 NOT NECESSART IF A SELF-CONTAINED SPILL PROOF TANK IS USED. 6) THE CONTRACTOR SHALL PROVIDE TEMPORARY SANITARY 	THE SITE AND ALL SEDIMENT TRAPPED BY THOSE CONTROLS BE PERMANENTLY STABILIZED. 2) THE CONTRACTOR SHALL COMPLETE A "EINIAL CERTIFICATION.	 13) INSPECT AND CLEAN EXISTING AND NEW STORM SEWERS AND INLETS. 14) ADDIX REPAIR OF THE SECTION 	Σ
2025		FACILITIES AT THE SITE. SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS 1 TIME PER WEEK, OR	AND NOTIFICATION FOR EROSION AND SEDIMENT CONTROL" UPON PROJECT COMPLETION AND PROVIDE A COPY TO THE	14) APPLY PERMANENT SEED.15) INSTALL LANDSCAPING.	
STABILIZATION J F M A M J J A S O N D TEMP SEEDING Image: Constraint of the second		 MORE OF LEN IF NECESSARY. 7) ANY TOXIC OR HAZARDOUS MATERIAL SPILL, REGARDLESS OF SIZE MUST BE REPORTED WITHIN 20 MUNITES TO THE LOCAL 	 OWNER AND SWCD. 3) ONCE CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SITE DEACHES FINAL STADIU/ZATION. THE CONTRACTOR MUSIC 	 16) CONTINUE INSPECTIONS, MAINTENANCE, RECORD KEEPING, AND SITE POSTING UNTIL FINAL STABILIZATION ACHIEVED. 17) REMOVE TEMPORARY RADS FROM STORM STORM OF MUST AND THE STORM 	PROJECT NO.
PERM. SEEDING O <		 6.22, MOST BE REPORTED WITHIN SUMINUTES TO THE LOCAL FIRE DEPARTMENT AND OHIO EPA. 8) CONTAMINATED SOIL. SOIL WHERE CONSTRUCTION CHEMICALS 	REACTES FINAL STABILIZATION, THE CONTRACTOR MUST TERMINATE THE NPDES PERMIT COVERAGE BY FILING A NOT WITH THE OHIO EPA WITHIN 45 DAYS OF FINAL STABILIZATION.	 17) NEWOVE TEIVIFORART DIVIPS FROM STORM SEWER AND INLETS, AND OPEN GUTTERS AND DITCHES TO OBTAIN FREE DRAINAGE. 18) DISPOSE OF ALL DEBRIS AND WASTE MATERIAL 	32272
		HAVE BEEN SPILLED OR HAZARDOUS WASTE MATERIALS MUST BE REMOVED FROM THE SITE AND DISPOSED OF IN	FINAL STABILIZATION IS DEFINED AS AN ESTABLISHED VEGETATIVE GROUND COVER OF AT LEAST 70% GROWTH DENSITY, OR OTHER MEANS OF DERMANENT STABILIZATION	,	CIVIL SHEET NAME
MULCHING 0<		 accordance with Federal, STATE AND LOCAL REGULATIONS. 9) STORM WATER THAT COMES IN CONTACT WITH CONTAMINATED SOIL OR HAS A VISIBLE SHEEN MUST BE COLLECTED BY A 	 4) THE CONTRACTOR MUST MAINTAIN ALL REPORTS FOR 3 YEARS 		SWP-1
© IRRIGATION NEEDED		VACUUM TRUCK AND DISPOSED OF AS A WASTE WATER.	AFTER THE NOT IS FILED, AND PROVIDE DIGITAL COPIES TO THE OWNER AND SWCD.		SHEET OF 17 31

Z:PROJECT FILES\MA-NZIMENTOR\32272 - CIVIC CENTER PARK IMPROVEMENTS\CAD\DWG\SHEETS\C_32272 - SWPPP.DWG - SWP-2 - 4/22/2025 5:36:34 PM - LENE HILL

(X	F CONST			Υ Υ Π	LE	NE	
TYPE O	F EXTEN	DED DETENTION POST-CONSTRUCTION PRACTICE:		R0777	HII E—60 فرق ا ج	LL 6017 TER ^{\$}	2
(X PER OH) DRY EX	TENDED DETENTION BASIN WITH FOREBAY & MICROPOOL			/ ON A		
POST-C W R\	ONSTRU Qv = Rv γ = 0.0	ICTION BMPS SHALL BE DETERMINED USING EQUATIONS: * P * A _{TOT} / 12 95 + (0.9 * i)			L	Ŋ	
STEP 1:	DETER	MINE PRE-VOLUMETRIC RUNOFF COEFFICIENT			1	5	
	A _{TOT} A _{IMP}	= 20.50 AC = 0.00 AC			7		
	I	= A _{IMP} / A _{TOTAL}					
	RV	$= 0.00 \text{ AC } / 20.50 \text{ AC} = 0.0000$ $= 0.05 + (0.9 \times 1)$				Ο	
	ΓV	= 0.05 + [0.9 * 0.0000] = 0.0500			7	7	
	DETED						
STEP 2:		= 4.00 AC					
	A _{IMP}	= <u>2.73</u> AC				D	
	I	$= A_{\rm IMP} / A_{\rm TOTAL}$				>	
	RV	= 2.73 AC / 4.001 AC = 0.68 $= 0.05 + (0.9)$					
		= 0.05 + [0.9 * 0.6823] = 0.66					
STEP 3			DATE				
0121 0.	WQv	$= \text{Rv} * \text{P} * \text{A}_{\text{TOT}} / 12$					
		= <u>0.66</u> * 0.90 IN * [(<u>4.00</u> AC) / (12 IN/FT)] = <u>0.199</u> AC-FT = <u>8,680</u> CF					
STEP 4:	DETER	MINE SEDIMENT STORAGE VOLUME					
	V_{SED}	= 0.20 * WQv	z				
		-0.20 <u>0.000</u> Cl -1.700 Cl	EVISIC				
STEP 5:		MINE TOTAL WATER QUALITY VOLUME	R				
	VIQV _{TOT}	= 8,680 CF + 1,736 CF = 10,416 CF					
STED 6.							
SIEF 0.	V _{FORE}	= 0.10 * WQv					
		= 0.10 * <u>8,680</u> CF = <u>868</u> CF	9				
STEP 7:	DETER	MINE MICROPOOL VOLUME		 			
	V _{MICRO}	= 0.10 * WQv	BID	22/25	NMO	∧, CZ	Ц Ц Д
		$= 0.10^{10} \frac{8,680}{CF} CF = 868 CF$		4	AS SH	Å	
STEP 8:	DETER	MINE WATER QUALITY VOLUME AVERAGE RELEASE RATE				<u>.</u> .	
	Q _{AVG}	= WQV / t _D = 8,680 CF / [(48 HR) * (3,600 S/HR)]	FOR:	ATE:		ED BY	
		= <u>0.05</u> CFS	SUED	SUED	;ALE:	SIGN	
STEP 9:	ESTIMA	TE OUTLET ORIFICE AREA	<u>s</u>	<u></u>	ő	ō	0
	${\sf H}_{\sf AVG}$	= H _{MAX} / 2					
		= <u>1.18</u> FT / 2 = 0.59 FT					
	С	= 0.6 (SHARP-EDGE ORIFICE)	X				
	A_{ORIF}	$= Q_{AVG} / [C * (2 * g * H_{AVG})^{0.5}]$					
		$= (0.05 \text{ CFS})^{144} / [0.6 ^{(2^{3}32.2 \text{ FI})S^{-1}} (0.59 \text{ FI})^{33}]$ = 1.96 SQ IN			י ר		Z
07				•	Ĺ		
STEP 10	DETERI D _{ORIE}	MINE ORIFICE DIMENSIONS FOR CIRCULAR ORIFICE: = $[(4 * A_{ORIE}) / \pi]^{0.5}$; d	INC		5
	or m	= [$(4 * 1.96 SQ IN) / 3.14159] 0.5$	IF	- 0	ŭ	-	
		= <u>1.58</u> IN USE D _{ODIF} =1.6 IN		<u>י</u> צ	К		
			L LL	JZ	LA		ň
WHERE	:	IMPERVIOUS AREA DRAINING INTO BMP (AC)		<u>, </u>	ĸ,		Y
A _{ORIF}	=	ORIFICE AREA (SF)) <u> </u>	0		Ш
A _{TOT}	=	TOTAL AREA DRAINING INTO BMP (AC)		ק ק	Z		4
C	=		Ī		Σ		S
g g	=	ACCELERATION OF GRAVITY (32.2 FT/S ²)		ۆ ف	ЦО		5
H _{AVG}	=	H _{MAX} / 2 = AVERAGE HYDRAULIC HEAD (FT)		. %	×		Y
H _{MAX}	=	(BRIMFUL WQV ELEVATION) - (WQV OUTLET ELEVATION)		/	ЦО		0
i	=	IMPERVIOUS FRACTION	5	-	J		
Ρ	=	PRECIPITATION DEPTH (0.90 IN)		j		'	.,,
Q _{AVG}	=	AVERAGE DISCHARGE RATE (CFS)					
t _D	=	MINIMUM DRAIN TIME (HR)		•			
V _{FORE}	=	FOREBAY VOLUME (CF)					
V _{MICRO}	=	MICROPOOL VOLUME (CF)			PROJE	CT NO.	
*sed WQv	=	WATER QUALITY VOLUME (AC-FT)			322	272	2
	=	TOTAL WATER QUALITY VOLUME WITH 20% SEDIMENT (AC-FT)					
WQv _{TOT}			-		-		
WQv _{TOT}					SHEET	NAME	
WQv _{TOT}					SHEET	NAME P-2	1

Z:\PROJECT FILES\MA-NZ\MENTOR\32272 - CIVIC CENTER PARK IMPROVEMENTS\CAD\DWG\SHEETS\C_32272 - SWPPP.DWG - SWP-5 - 4/22/2025 5:36:34 PM - LENE HILI

NOTES: 1. THE SEED THE SUCC 2. SOIL AMEN VEGETATI FOR LIME AT 2 TONS 12-12-12 AI 3. APPLY SEI RAKING OI 4. MULCH SH 5. INSPECT F REPAIR BA RE-SEED A	BED SHALL BE PULVERIZE ESS OF ESTABLISHING VEO NDMENTS MAY BE REQUIRE ON. PERFORM SOIL TESTS OR FERTILIZER. IN LIEU OF S/AC. OR FERTILIZER. IN LIEU OF S/AC. OR FERTILIZER AT 500 NALYSIS ED UNIFORMLY. COVER BF R DRAGGING, AND LIGHTLY IALL BE APPLIED IMMEDIAT FOR SOIL EROSION OR VEG ARE OR SPARSE AREAS, FIL AND RE-MULCH AS NEEDED	ED AND LOOSE TO GETATION. ED TO ESTABLISH TO PREDICT TH A SOIL TEST, AF D LB/AC. OF 10-10 ROADCASTED SE (TAMPING INTO ELY AFTER SEEL SETATION LOSS A L GULLIES, RE-F D.	D ENSURE H E NEED PPLY LIME -10 OR ED BY PLACE. DING. ND ERTILIZE,	NOT 1. 2. NOT 1.	TES: MULCH SHALL CONSI UNROTTED SM. 2 TONS/AC. (2 T WOOD-CELLUL AT 1 TON/AC. ROLLED EROSI MATTING APPL RECOMMENDA WOOD MULCH MULCH SHALL BE AN FOLLOWING METHOD PUNCH OR AND USING A DISK, O NETTING PER M CONCENTRATE SYNTHETIC BIN WOOD-CELLUL OF 750 LB/AC., LB/100 GAL. MA MULCO	ST OF ONE OF ALL GRAIN STR O 3 BALES). DSE FIBER (I.E. DN CONTROL F ED PER MANUF FION. DR CHIPS APPL CHORED IMMEL S: HOR THE MULC CRIMPER OR SI IANUFACTURE D RUNOFF ARE DERS AT MANU DSE FIBER BINI MIXED WITH W/ X. OF WOOD CI CHING D	THE F AW SF HYDR PRODU FACTU LIED A DIATEL DIATEL CH MA MILAR R REC EAS OF JFACT DER A ATER, ELLUL DER A ATER, ELLUL	OLLOWING: PREAD UNIFORML OSEEDING) APPL CT OR MULCH RER T 6 TONS/AC. LY BY ONE OF TH TERIAL INTO THE TOOL. OMMENDATION IN CRITICAL SLOPI URER RATE. T A NET DRY WEI AND CONTAIN 50 DSE FIBER. AIL	Y AT IED SOIL N SS. GHT			OF OK OK OK
DATES	SPECIES	LB/1,000 SF	LB/AC.		ENOUGH TO ALLOW SUBSOILING IS NOT F	THE SOIL TO CE PERMITTED ON	RACK (SLIP-F	OR FRACTURE. PRONE AREAS.				
MARCH 1 - AUGUST 15	OATS TALL FESCUE PERENNIAL RYEGRASS PERENNIAL RYEGRASS	3 1 1 2	128 40 40 40	2.	THE SEED BED SHAL AGRICULTURAL GRO RECOMMENDED BY A APPLY LIME AT 2 TON 10-10-10 OR 12-12-12	BE PREPAREI UND LIMESTON SOIL TEST. IN IS/AC. OR FERT ANALYSIS. LIM	D BY A IE OR I I LIEU FILIZEF E AND	PPLYING FERTILIZER AS OF A SOIL TEST, R AT 500 LB/AC. O FERTILIZER SHA "	F LL BE	DATE		
AUGUST 16 - OCTOBER 31	TALL FESCUE RYE TALL FESCUE PERENNIAL RYEGRASS WHEAT TALL FESCUE PERENNIAL RYEGRASS	1 3 1 1 3 1 1	40 112 40 40 120 40 40 40	3.	APPLY SEED UNIFOR MARCH 1 AND MAY 3 TILLAGE FOR SEEDB THE SOIL IS DRY ENC RIBBONS WHEN COM NOT BE APPLIED BET BECAUSE SEEDS MA WINTER, IF SEEDING	MLY ON FIRM, I I OR AUGUST 1 ED PREPARATI DUGH TO CRUM PRESSED BY H WEEN OCTOBE Y GERMINATE, MUST OCCUR	H OF 3 MOIST AND 5 ON SH IBLE A IAND. ER 1 AN BUT W INCRI	SEED BED BETW SEPTEMBER 30. ALL OCCUR WHE ND NOT FORM SEEDING SHOUL ND NOVEMBER 20 (ILL NOT SURVIVE EASE THE SEEDIN	EEN N D THE	REVISION		
NOVEMBER 1 - FEBRUARY 28	PERENNIAL RYEGRASS TALL FESCUE ONLY MULCH OR DORMA	2 1 NT SEEDING.	40 40 AIL	4. 5.	RATE BY 50% AND AN IRRIGATION AS REQU MULCH SHALL BE AP SEEDING SHALL INCL VEGETATION DURING SITE CONDITIONS. SEEDING SHALL NOT	ICHOR. APPLY IIRED TO ENSU PLIED IMMEDIA UDE IRRIGATIO DRY OR HOT	ADDIT RE GE TELY A ON TO WEATH	TIONAL MULCH AN RMINATION. AFTER SEEDING. ESTABLISH HER OR ON ADVE	RSE			
				0.		ROM THE TIME		EDING. DURING	THIS	NO		
	– 2X4 STAKES – STRAW BALE		T ITEM #304		AND REPAIR BARE O	R SPARSE ARE	AS, FIL	L GULLIES,	5	BID	/25 WN	CZ LE RW
8"	- BINDING WIRE 2% (N	AIN.)	8"	7.	ADEQUATE PERMANI COVER DENSE ENOU BASED ON VISUAL IN PERMANENT SEEDING	ENT VEGETATIO GH TO COVER SPECTION. G FERTILIZATIC FORMULA	DN SHA 80% O DN ANE LB/ AC.	ALL BE GROUND F THE SOIL SURF MOWING CHART	ACE	SUED FOR:	SUE DATE: 4/2 AlE: AS SHO	SIGNED BY: RW AWN BY: CZ, GA
	SECTION A-A		TRUCKS MUST WASHOUT HERE	CRE DOI KEN	EEPING RED FESCUE MESTIC RYEGRASS	10-10-10	500	FALL, YEARLY, OR AS NEEDED	<u>></u> 3"	<u>iii</u>		
3'1	<u>O' MIN.</u>	LATH AND		TAL	L FESCUE	10-10-10	500				1	
		FLAGGING		TUF	RF-TYPE FESCUE	10-10-10	500					
		B FLAGGING	WASHOUT <u>SIGN</u>	CR(OWN VETCH FESCUE	0-20-20	400	SPRING, AND YEARLY AFTER ESTABLISHED	DO NOT MOW	R PA		TION
		PLASTIC LINING		SEE	ED MIX	SEEDING SPEC	NO	TES:			ROA KE COI	DLLU
PLASTIC LINING -		SECT	<u>3'</u> ION B-B	CRE DOI KEN	EEPING RED FESCUE MESTIC RYEGRASS ITUCKY BLUEGRASS	GENERAL USI 20 - 40 10 - 20 20 - 40	FOI WA FT.	R CLOSE MOWING TERWAYS WITH SEC. VELOCITY	G AND <2.0	CCE	INSON TOR, LA	ER P(
NOTES:				TAL		40 - 50				>	יייי. שר	
100' FROM ΔΝΙΧ ΟΤΠΕ	STORM SEWER INLETS, ST SURFACE WATERS OF T	TREAMS, WETLAN	NDS OR					PES		0	ο	
2. IF CONCRE	ETE WASHOUT AREA IS LOO			TAL		40 - 50					35C 35C	∑ ≦
EQUAL IN	COMPOSITION TO A CONST	RUCTION ENTRA	ANCE.	CRO	OWN VETCH	10 - 20	DO	NOT SEED LATE	२	0		Р. С. Г.
	E WASHOUT AREA SHALL E CONCRETE WASTE GENER.	ATED. LARGE SI	TES MAY		T PEA	20 - 30		NOT SEED I ATFI				
4. PLASTIC L	INING SHALL BE DOUBLE-L	INED, CONTINUO	US 10-ML	TAL	L FESCUE	20 - 30	TH.	AN AUGUST		Ш		
	INSTALLED ON A SMOOTH,	LEVEL SURFACE	FREE OF	T ^ 1			SWALE	-5		2		
5. CONCRET	E WASHOUT SIGNAGE SHA	LL BE CLEARLY	/ISIBLE		RF-TYPE FESCUF	40 - 50 90						
AND LOCA 6. CONCRET	TED WITHIN 30 FEET OF EA E WASHOUT AREA SHALL E	ACH WASHOUT A BE COVERED DUF	REA. RING	KEN	TUCKY BLUEGRASS	5					PRO	ECT NO.
	TWEATHER TO PREVENT	OVERFLOW.				LAWN					32	272
	DAMAGE AND DETERMIN	IE IF IT NEEDS CI	LEANED OR		RENNIAL RYEGRASS	100 - 120 100 - 120						
LINING SH	ALL BE REPAIRED IMMEDIA	TELY. REPLACE	THE	KEN		100 - 120	FO	R SHADED AREAS	\$		SHE	T NAME
						JT 9557) N!~				SV	/P-5
CONC	SCALE: NONE					JEEL				9		OF 21
										1 4		

	DELEGATION OF AND SEI	AUTHORITY FOR EROSION DIMENT CONTROL		SUBCONTRACTOR AGR EROSION AND SEDIME	EEMENT FOR NT CONTROL		FINAL CERTIFICA	ATION AND NOTIFICATION AND SEDIMENT CONTROL		PROFESI
P	PROJECT NAME:			PROJECT NAME:			PROJECT NAME:			
Р	PROJECT ADDRESS:			PROJECT ADDRESS:			PROJECT ADDRESS:			
I, T T D A	, THE PERSON OR DESCRIBED POSITION B THE PURPOSE OF OVERSEEING COMPLIA THE OHIO EPA NPDES CONSTRUCTION GI DESIGNEE IS AUTHORIZED TO SIGN REPO AND OTHER DOCUMENTS AS REQUIRED E	, HEREBY DESIGNATE ELOW TO BE A DULY AUTHORIZED REPRESENTATIVE FOR ANCE WITH ENVIRONMENTAL REQUIREMENTS, INCLUDING ENERAL PERMIT, AT THE DESIGNATED PROJECT. THE ORTS, STORM WATER POLLUTION PREVENTION PLANS (SWP BY THE NPDES PERMIT.	3) 	BY SIGNING THIS AGREEMENT, I CERTIFY UNDER THE PENALT UNDERSTAND THE TERMS AND CONDITIONS OF THE STORM V (SWP3) FOR THE DESIGNATED PROJECT AND AGREE TO FOLL SUBCONTRACTOR, I AM REQUIRED TO COMPLY WITH THE SW PROJECT. IT IS MY RESPONSIBILITY TO OBTAIN A COPY OF TH TO ADVISE MY EMPLOYEES WORKING ON THIS PROJECT OF T ARE SUBSTANTIAL PENALTIES OR LOSS OF CONTRACT FOR V INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FO	Y OF LAW THAT I HAVE READ AND ATER POLLUTION PREVENTION PLAN DW THE PRACTICES DESCRIBED. AS A P3 FOR ANY WORK I PERFORM AT THE E SWP3 FROM THE CONTRACTOR AND HE REQUIREMENTS. I AM AWARE THERE OLATING ANY CONDITION OF THE SWP3, R KNOWING VIOLATIONS.		I CERTIFY UNDER PENALTY OF LAW THAT UNDER MY DIRECTION OR SUPERVISION IN THAT QUALIFIED PERSONNEL PROPERLY FOR THE DESIGNATED PROJECT. BASED SYSTEM OR DIRECTLY RESPONSIBLE FOR SUBMITTED IS, TO THE BEST OF MY KNOW AWARE THERE ARE SUBSTANTIAL PENALT POSSIBILITY OF FINE AND IMPRISONMENT	THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED N ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE GATHERED AND EVALUATED THE INFORMATION SUBMITTED ON MY INQUIRY OF THE PERSON(S) WHO MANAGED THE & GATHERING THE INFORMATION, THE INFORMATION VLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM TIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE FOR KNOWING VIOLATIONS.		
N	NAME OF QUALIFIED PERSON AND/OR PO	OSITION		COMPANY NAME	PHONE NO.		COMPANY NAME	PHONE NO.		
c	COMPANY NAME	PHONE NO.								
s	STREET ADDRESS									
				PRINT NAME AND TITLE			PRINT NAME AND TITLE		ATE	Т
B D S	BY SIGNING THIS AUTHORIZATION, I CERT DOCUMENTS WILL BE PREPARED UNDER SYSTEM DESIGNED TO ASSURE THAT QU. NEORMATION SUBMITTED BASED ON MY	TIFY UNDER THE PENALTY OF LAW THAT ALL REQUIRED MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A ALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE TH Y INQUIRY OF THE PERSON(S) WHO MANAGES THE SYSTEM	1E	SIGNATURE	DATE		SIGNATURE	DATE		
C S IN	OR IS DIRECTLY RESPONSIBLE FOR GATH SUBMITTED WILL BE, TO THE BEST OF MY COMPLETE. I AM AWARE THERE ARE SUE NFORMATION, INCLUDING THE POSSIBILI	HERING THE INFORMATION, THE INFORMATION TO BE (KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND BSTANTIAL PENALTIES FOR SUBMITTING FALSE ITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS	S.	DESCRIPTION OF CONSTRUCTION SERVICE(S) I AM TO PROVID	E:				Z	
c	COMPANY NAME	PHONE NO.							REVISIO	
s	STREET ADDRESS		-							
- P	PRINT NAME AND TITLE									
									9	
\bigcirc									2	
S	SIGNATURE	DATE								4/02/25
<u> </u>	SIGNATURE	DATE								н. 4/22/25
S S	SIGNATURE	DATE							SSUED FOR:	
S	SIGNATURE	DATE							BID ISSUED FOR:	
	SIGNATURE	DATE						OL AMENDMENT LOG		
	SIGNATURE	DATE								PARK
	SIGNATURE	DATE			PROJECT NAME: PROJECT ADDRESS	ROSION A				
	SIGNATURE	DATE			PROJECT NAME: PROJECT ADDRESS	ROSION A S: DATE OF		OL AMENDMENT LOG		
	SIGNATURE	DATE			PROJECT NAME: PROJECT ADDRESS	ROSION A		OL AMENDMENT LOG		CENTER PARK
	SIGNATURE	DATE	Image: Second	STABILIZATION MEASURE INITIATED DATE TYPE Image: Temp. Imag	PROJECT NAME: PROJECT ADDRESS	ROSION A		OL AMENDMENT LOG SHEET NO:		
	SIGNATURE	DATE	Image: Second state of the second s	ZATION ACTIVITY LOG STABILIZATION MEASURE INITIATED DATE DESCRIPTION OF STABILIZATION MEASURE AND LOCATION (ATTACH SKETCH IF NECESSARY) DATE TYPE I TEMP. PERM. PERM. I TEMP. I TEMP. I TEMP. I TEMP.	PROJECT NAME: PROJECT ADDRESS AMENDMENT NO. A	ROSION A		OL AMENDMENT LOG SHEET NO.:		CIVIC CENTER PARK
	SIGNATURE	DATE	Image: State of the second	STABILIZATION DESCRIPTION OF STABILIZATION MEASURE INITIATED DESCRIPTION OF STABILIZATION DATE TYPE Image: Imag	PROJECT NAME: PROJECT ADDRESS AMENDMENT NO.	ROSION A		OL AMENDMENT LOG SHEET NO.:		
	SIGNATURE	DATE		STABILIZATION MEASURE INITIATED DATE TYPE STABILIZATION MEASURE INITIATED DATE TEMP. PERM. In TEMP. PERM. In TEMP. PERM. In TEMP. PERM. In TEMP.	PROJECT NAME: PROJECT ADDRESS	ROSION A		OL AMENDMENT LOG SHEET NO.:		
	SIGNATURE	DATE		ZATION ACTIVITY LOG STABILIZATION MEASURE INITIATED SHEET NO.: STABILIZATION MEASURE AND LOCATION MEASURE AND LOCATION (ATTACH SKETCH IF NECESSARY) DATE TYPE I TEMP. PERM.	PROJECT NAME: PROJECT ADDRESS AMENDMENT NO. A	ROSION A		OL AMENDMENT LOG SHEET NO.:		MENTOR CIVIC CENTER PARK
	SIGNATURE	DATE		STABILIZATION DESCRIPTION OF STABILIZATION MEASURE INITIATED DESCRIPTION OF STABILIZATION MEASURE INITIATED DESCRIPTION OF STABILIZATION DATE TYPE I TEMP. I PERM. I TEMP. I PERM. I TEMP.		ROSION A		COL AMENDMENT LOG COL AMENDMENT LOG SHEET NO.: DESCRIPTION OF STABILIZATION MEASURE AND LOCATION (ATTACH SKETCH IF NECESSARY)		
	SIGNATURE	DATE		STABILIZATION MEASURE INITIATED DESCRIPTION OF STABILIZATION MEASURE AND LOCATION (ATTACH SKETCH IF NECESSARY) DATE TYPE I TEMP. PERM. I I TEMP. PERM. I I TEMP.				OL AMENDMENT LOG		MENTOR CIVIC CENTER PARK

	L	IGHT FIXTURE SCHEDULE	
DESIGNATION	DESCRIPTION	MANUFACTURER/MODEL	NOTES
А	MGLEDM P29 Package 4000K CCT FORWARD THROW (TYPE 4) WITH	HOLOPHANE MGLEDM P29 4K FG	4000K COLOR, 42,429 LUMENS , 328 WATTS
В	Memphis style housings Standard housing, 4000 series CCT Auto-sensing voltage, Type IV, Medium, (Standard or Uplight) & Shallow Skirt option	HOLOPHANE MPL3 P30S-40K- MVOLT- BG3 -SS	4000K COLOR, 13,492 LUMENS, 92 WATTS

MENTOR CIVIC CEN	MENTOR CIVIC CEN	MENTOR CIVIC CEN	NTER PARK	ISSUED FOR: BID	ON N	REVISION	DATE	
8500 MUNSON RO	8500 MUNSON RO	8500 MUNSON RO	AD	ISSUE DATE: 4/22/25				
- CITY OF MENTOR, LAKE COU	- CITY OF MENTOR, LAKE COU	- CITY OF MENTOR, LAKE COU	NTY -	SCALE: AS SHOWN				LE HI E-6
				DESIGNED BY: RW, CZ				DF Ο NE LL 6017 τε ^κ ε
SITE LIGHTING PI	SITE LIGHTING PI	SITE LIGHTING PI	N	DRAWN BY: CZ, GA, LE				
				CHECKED BY: LH, RW				

Z:/PROJECT FILES/MA-NZ/MENTOR\32272 - CIVIC CENTER PARK IMPROVEMENTS/CAD/DWG/SHEETS/C-32272 - SITE LIGHTING PLAN.DWG - E-2 - 4/22/2025 4:16:16 PM - LENE HILL

- 3
- 4.

Z:\PROJECT FILES\MA-NZ\MENTOR\32272 - CIVIC CENTER PARK IMPROVEMENTS\CAD\DWG\SHEETS\C 32272 - DETAILS.DWG - DT-1 - 4/22/2025 4:44:12 PM - LENE HILL

TO GEOTECH REPORT COURT SPECIFICATIONS: I. SUBGRADE PREPARATION THE SUBGRADE SHALL BE GRADED AND COMPACTED PER ACCEPTABLE INDUSTRY STANDARDS. ANY SUBGRADE AREA WHICH REQUIRES EMBANKMENT SHALL BE FIRST SCARIFIED BEFORE ANY FILL MATERIAL IS PLACED. SUBGRADE EMBANKMENT AND/OR FILL MATERIAL(S) SHALL BE FREE OF ORGANIC OR EXPANSIVE MATERIALS, AND OF PARTICLES GREATER THAN 1-1/2 INCHES IN DIMENSION. IT SHALL BE PLACED IN LIFTS NOT TO EXCEED SIX (6) INCHES IN THICKNESS AND COMPACTED TO A MINIMUM DENSITY OF 98% OF ASTM D698 STANDARD PROCTOR. THE MOISTURE CONTENT OF THE FILL SHALL BE REDUCED BY AERATION OR INCREASED BY ADDING WATER AS NECESSARY TO ATTAIN PROPER MOISTURE CONTENT FOR REQUIRED COMPACTION. COMPACTION OF EMBANKMENT AND/OR FILL MATERIALS SHALL BE BY USE OF A SHEEPSFOOT TYPE COMPACTOR. AT CONCLUSION OF SUBGRADE GRADING, THE ENTIRE AREA SHALL BE COMPACTED BY USE OF A SMOOTH DRUM VIBRATORY ROLLER WITH A STATIC WEIGHT OF NOT LESS THAN SIX TONS. THE SUBGRADE SHALL THEN BE GRADED AND ROLLED IN OPPOSITE DIRECTIONS, WITH THE FINAL ROLLING PASSES IN THE DIRECTION OF FINISH GRADE PITCH. COMPACTION OF THE ENTIRE SUBGRADE AREA SHALL BE TESTED FOR A MINIMUM DENSITY OF 98% OF ASTM D698 STANDARD PROCTOR. PRIOR TO INSTALLATION OF THE LIMESTONE BASE MATERIALS, ANY AREA OF THE SUBSURFACE DRAINAGE SYSTEM WHICH WAS COVERED BY SUBGRADE SOILS SHALL BE EXCAVATED TO EXPOSE THE AGGREGATE BACKFILL, AND ADDITIONAL AGGREGATE PER SPECIFICATION SHALL BE INSTALLED TO MEET DESIGN ELEVATIONS. PRIOR TO INSTALLATION OF THE LIMESTONE BASE, THE ENTIRE AREA SHALL BE PROOF-ROLLED USING A LOADED TANDEM AXLE DUMP TRUCK IN THE PRESENCE OF THE OWNER AND/OR OWNER'S REPRESENTATIVE.

LIMESTONE BASE CONSTRUCTION

ASPHALTIC CONCRETE AGGREGATE MIX IN ASPHALT SHALL BE CRUSHED VIRGIN LIMESTONE. SLAG, GRAVEL, SHALE, OR RECYCLED ASPHALT WILL NOT BE PERMITTED UPON A PROPERLY GRADED AND COMPACT LIMESTONE BASE, CONSTRUCT A TWO LAYER LIMESTONE AGGREGATE HOT PLANT MIX ASPHALT STRUCTURAL SURFACE. THE FIRST LAYER SHALL BE ODOT ITEM #448 TYPE II HOT PLANT MIX ASPHALT. THE FINISH LAYER SHALL BE ODOT ITEM #448, TYPE I VIRGIN LIMESTONE MIX ASPHALT WITH EITHER MANUFACTURED SAND OR LIMESTONE SAND FINE AGGREGATE. NO RECYCLED ASPHALT, SLAG, SHALE, NATURAL SAND, OR GRAVEL SHALL BE INCORPORATED INTO THE VIRGIN LIMESTONE MIX ASPHALT SPECIFIED. JOB MIX DESIGNS FOR THE ODOT ITEM #448, TYPE I AND TYPE II HOT PLANT MIX ASPHALT SHALL BE REQUIRED FROM THE ASPHALT PLANT SUPPLYING THE ASPHALT FOR THIS PROJECT. ALL ASPHALT LAYERS SHALL BE INSTALLED BY USE OF A SELF-PROPELLED ASPHALT PAVER WITH A MINIMUM FOUR TON HOPPER. POWER AND/OR DRAG BOXES ARE NOT ACCEPTABLE. BREAKDOWN ROLLING SHALL BE WITH A MINIMUM 3 TO 5 TON TANDEM STEEL WHEEL ROLLER WITH A FUNCTIONING WATERING SYSTEM. FINISH ROLLING SHALL BE WITH A MINIMUM 1.5 TON TANDEM STEEL WHEEL ROLLER WITH A FUNCTIONING WATERING SYSTEM. THE NEW ASPHALT SURFACE SHALL BE PROTECTED FROM DAMAGE BY ALL SUBSEQUENT OPERATIONS OF THE PRIME CONTRACTOR. ANY DAMAGE TO SURFACE PRIOR TO PROJECT COMPLETION SHALL BE REPAIRED BY PRIME CONTRACTOR AT HIS EXPENSE.

COLOR FINISH COURSE

- TENNIS ASSOCIATION.

COLOR SURFACING SYSTEM 3-1/2" COMPACTED AGGREGATE BASE **ODOT 304 CRUSHED LIMESTONE** 3-1/2" COMPACTED AGGREGATE **BASE #4 CRUSHED LIMESTONE** APPROVED SUBGRADE, REFER

UPON APPROVED AND COMPACTED SUBGRADE, INSTALL A TWO LAYER LIMESTONE BASE. THE #4 LIMESTONE BASE SHALL EXTEND OVER THE #57 WASHED GRAVEL SUB-SURFACE DRAINAGE SYSTEM AT THE LOW SIDE OF EACH COURT BATTERY AND ALSO AT THE TWO SLOPED SIDES OF EACH COURT BATTERY. THE ODOT ITEM #304 LIMESTONE SHALL EXTEND OVER THE #4 LIMESTONE AND PAST THE #4 LIMESTONE ON THE HIGH SIDE OF EACH COURT BATTERY. ALL BASE MATERIALS SHALL BE PLACED A MINIMUM OF 18" OUTSIDE OF THE PROPOSED FINISHED PAVED AREAS. FINE GRADE AND COMPACT TO DESIGN PITCH WITH A TOLERANCE NOT TO EXCEED 3/8" FROM DESIGN PITCH. COMPACTION OF EACH LIMESTONE BASE LAYER SHALL BE BY SMOOTH DRUM VIBRATORY ROLLER WITH A STATIC WEIGHT OF NOT LESS THAN SIX TONS.

A. NEW ASPHALT MUST BE PROPERLY CURED A MINIMUM OF 30 DAYS PRIOR TO FINISHING. B. ALL NET POST SLEEVES, CENTER STRAP ANCHORS, AND FENCING SHALL BE INSTALLED PRIOR TO THE APPLICATION OF ANY SURFACING MATERIALS.

C. THE CONTRACTOR MAY REMOVE EXISTING FENCE, GATES, AND OTHER APPURTENANCES TO FACILITATE INGRESS AND EGRESS OF EQUIPMENT, AND MATERIALS AND INSTALLATION OF THE WORK. D. THE AREAS TO BE TREATED SHALL BE CLEANED OF ALL OILS, DIRT, OR OTHER FOREIGN MATTER. E. FINAL SURFACE INSPECTION: PRIOR TO APPLICATION OF A COLOR FINISH SYSTEM THE COURT SURFACE SHALL BE FLOODED WITH WATER AND ALLOWED TO DRAIN. ANY DEPRESSIONS THEREUPON HOLDING WATER DEEPER THAN ONE-EIGHTH INCH (1/8") SHALL BE PATCHED AND LEVELED IN ACCORDANCE WITH RECOMMENDATIONS OF THE MANUFACTURER OF THE COLOR FINISH MATERIAL SPECIFIED HEREINAFTER. COLOR FINISH MATERIAL: 3 COAT 100% ACRYLIC COLOR SURFACING SYSTEM. COLORS SHALL MATCH EXISTING COURTS AS APPROVED BY THE OWNER. ALL MIXING APPLICATIONS SHALL BE PER MANUFACTURER'S SPECIFICATIONS.

1) ACRYLIC RESURFACER WITH SILICA SAND ADDED - ONE (1) COAT APPLIED PER MFG. SPECIFICATIONS. 2) 2 & 3. TEXTURED ACRYLIC COLOR COATS WITH SILICA SAND ADDED BY THE MANUF. OF THE COLOR SURFACING PRODUCT. APPLIED PER MFG. SPECIFICATIONS.

H. PLAYING LINES: TEXTURED WHITE ACRYLIC LINE PAINT. BASE LINES SHALL BE NOT MORE THAN FOUR INCHES (4") WIDE AND PLAYING LINES NOT MORE THAN TWO INCHES (2") WIDE. LINES ON TENNIS COURTS SHALL BE ACCURATELY LOCATED AND MARKED IN ACCORDANCE WITH RULES OF THE UNITED STATES

COURT PAVEMENT DETAIL

NOT TO SCALE

			TOR CIVIC CENTER PARK	ISSUED FOR:	BID	ON	REVISION	DATE	
SHEET			8500 MUNSON ROAD	ISSUE DATE:	4/22/25				
SHEET D1		PROJE	- CITY OF MENTOR, LAKE COUNTY -	SCALE:	AS SHOWN				LE E 6 / ON /
NAME				DESIGNED BY:	RW, CZ				DF C NE CLL 6017 TER AL
OF) 		COURT DETAILS	DRAWN BY:	CZ, GA, LE				
				CHECKED BY:	LH, RW				

31

26

Z:\PROJECT FILES\MA-NZ\MENTOR\32272 - CIVIC CENTER PARK IMPROVEMENTS\CAD\DWG\SHEETS\C 32272 - DETAILS.DWG - DT-3 - 4/22/2025 4:44:12 PM - LENE HILL

1.

3

5.

6.

FLAT SLAB TRANSITION

MANI	HOLE	MAX. P	IPE I.D.
BASE I.D.	MIN. WALL "t"	STRAIGHT THRU INSTALLATION	RIGHT ANGLE INSTALLATION
4'-0"	5"	27"	24"
5'-0"	5"	36"	30"
6'-0"	6"	42"	36"
7'-0"	7"	54"	42"
8'-0"	8"	60"	48"

3" MIN.

FRAME & GRATE -

FRAME SET IN 1"

MORTAR BED -

NOTES:

- TOP SECTION SHALL BE AN ECCENTRIC CONE. ROTATE CONE TO OFFSET MANHOLE CASTING TO AVOID SIDEWALKS, UNDERDRAINS AND CURBS. USE FLAT SLAB TOP IF MANHOLE IS LESS THAN 6'-3" DEEP.
- LARGER BASE WITH TRANSITION SECTION MAY REQUIRED BASED ON 2. PIPE SIZES, QUANTITIES AND ANGLES.
- PRECAST MANHOLE AND REINFORCEMENT SHALL CONFORM TO ASTM 3. C-478.
- STRUCTURE SHALL MEET H-20 LOADING. 4.
- BASE MUST BE PRECAST MONOLITHIC WITH BASE RISER.
- ALL PRECAST CONCRETE SECTIONS SHALL BE MANUFACTURED AND 6. FURNISHED AS SOLID SECTIONS WITHOUT LIFT HOLES OF ANY KIND.
- O-RING JOINT BETWEEN PRECAST MANHOLE SECTIONS SHALL BE 7. RESILIENT WATERTIGHT GASKET PER ASTM C-443.
- ALL PIPE OPENINGS MUST BE PRECAST WITH FLEXIBLE CONNECTIONS 8. (Z-LOK OR A-LOK) PER ASTM C-923. [OR: PIPE OPENINGS <24" MUST BE PREFABRICATED WITH FLEXIBLE CONNECTIONS (Z-LOK OR A-LOK) PER ASTM C-923. LARGER PIPES MAY USE FLEXIBLE CONNECTIONS OR FILL INTERSTITIAL SPACE WITH GROUT.]
- 9. USE REINFORCED PLASTIC MANHOLE STEPS.
- 10. FIRST STEP SHALL NOT BE MORE THAN 2'-0" BELOW TOP OF FRAME. MAKE PROJECTION 3-1/2" IF IN 24" DIA. SECTION.
- 11. CASTING TYPE VARIES BASED ON MANHOLE LOCATION AND SHALL BE AS FOLLOWS OR PER PLAN:
 - A. IN PAVEMENT: EJ 1040 FRAME WITH TYPE "B" VENTED COVER LABELED "STORM".
 - B. IN PAVEMENT ADJACENT TO CURB: EJ 7010 FRAME WITH TYPE "M4" VANE GRATE AND "T1" BACK.
 - C. IN SIDEWALK: EJ 1040 FRAME WITH TYPE "A" SOLID COVER LABELED "STORM".
 - D. IN GRASS: EJ 1040 FRAME WITH TYPE "N" OVAL GRATE.
- ANY PRECAST CONCRETE SECTION DAMAGED IN TRANSIT OR ON-SITE 12. AND WHERE THE WATER TIGHTNESS OF THE SECTION HAS BEEN ADVERSELY AFFECTED SHALL BE REPLACED AND NOT UTILIZED IN THE CONSTRUCTION OF THE MANHOLE.

PRECAST CONCRETE MANHOLE (STORM) DETAIL

SCALE: NONE

Z:\PROJECT FILES\MA-NZ\MENTOR\32272 - CIVIC CENTER PARK IMPROVEMENTS\CAD\DWG\SHEETS\C_32272 - DETAILS.DWG - DT-6 - 4/22/2025 4:44:12 PM - LENE HILL

0"
$\setminus -$ BEND
STEEL RAIL
BENT STEEL
SDI ICE DI ATE

F		É			C	REVISION		
			MENTOR CIVIC CENTER PARK					
SHEET 31			8500 MUNSON ROAD	ISSUE DATE: 4/22/25				
	DISCI CIN SHEET DT	PROJE	- CITY OF MENTOR, LAKE COUNTY -	SCALE: AS SHOWN				LE (HI 5 E-6 (0 N)
		CT NC 272		DESIGNED BY: RW, CZ				DF NE 111 6017 TER AL
0F 31	•). 2	TIMBER GUARDRAIL DETAILS	DRAWN BY: CZ, GA, LE				
				CHECKED BY: LH, RW				