THIS SHEET TO BE PRINTED IN COLOR.

GENERAL NOTES

1. ALL IMPROVEMENTS SHOWN ON THESE ENGINEERING PLANS SHALL COMPLY WITH THE ***CITY OF MILWAUKEE*** DESIGN AND SPECIFICATIONS, LATEST EDITION, AND THE STANDARDS OF THE ***WISCONSIN*** DEPARTMENT OF NATURAL RESOURCES, LATEST EDITION.

2. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS, AND FIELD INVESTIGATION. THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO.

3. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE PROPERLY DISPOSED OF OFF-SITE UNLESS NOTED.

4. THE CONTRACTOR SHALL EXERCISE PROPER CAUTION TO PROTECT THE EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE.

5. PORTLAND CEMENT CONCRETE. CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES. COMPRESSING STRENGTH SHALL BE 4000PSI IN 28 DAYS, AIR ENTRAINMENT SHALL BE BETWEEN 5 % AND 8% AND SLUMP SHALL BE 4 INCHES OR LESS ALL AS MEASURED BY THE APPROPRIATE ASTM METHODS. REINFORCING STEEL SHALL BE ASTM CERTIFIED 60KSI TENSILE STRENGTH. REINFORCING STEEL SHALL BE #4 SIZE UNLESS OTHERWISE SPECIFIED. HANDRAILS, BOLLARDS, AND OTHER APPURTENANCES SHALL BE INSTALLED PER PLAN AND MEET JURISDICTIONAL REQUIREMENTS. ALL PROPRIETARY PRODUCTS ARE MENTIONED FOR REFERENCE ONLY. CONTRACTOR CAN SUBMIT EQUAL ITEM FOR APPROVAL.

6. CLEANUP AND FINAL INSPECTION. WORK BROKEN OR DAMAGED BY CONTRACTOR ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. ALL WASTE MATERIAL, CONCRETE WASHOUT, LANDSCAPE WASTE AND BUILDING MATERIAL SHALL BE REMOVED. SOIL SHALL BE REMOVED FROM PAVED AREAS AND THE PROJECT SHALL BE LEFT IN A CLEAN AND WORKMANLIKE MANNER.

7. IF SURPLUS SOIL NEEDS TO BE REMOVED FROM SITE, SOIL SHALL BE CONSIDERED CONTAMINATED AND TREATED AS SUCH PER SPECIFICATION 31 20 00. CONTRACTOR SHALL PROPOSED A STORAGE AREA ON SITE, WITHIN PROJECT BOUNDARIES, FOR VA REVIEW AND APPROVAL. SURPLUS SOILS CAN BE USED AS BACKFILL IF THE VA GEMS AND/OR COR APPROVE, AFTER REVIEW OF PROPOSED WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PICK A PERMITTED LOCATION FOR SOIL STORAGE AND ASSUME ALL COSTS FOR SOIL DISPOSAL.

GRADING NOTES

1. ALL ELEVATIONS SHOWN ARE TO FLOWLINE FINISHED GRADE OR TOP OF PAVEMENT UNLESS OTHERWISE STATED.

2. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO POND ON PROPERTY.

3. PRIOR TO PLACEMENT OF ANY FILL, THE STRIPPED SITE SHALL BE SCARIFIED TO A DEPTH OF 9 INCHES AND RE-COMPACTED TO 95% DENSITY. ANY UNSUITABLE SOILS FOUND AT THIS TIME SHALL BE DRIED AND RECOMPACTED OR REMOVED IF REQUIRED COMPACTION CANNOT BE OBTAINED. CUT AREAS SHALL ALSO BE SCARIFIED TO A DEPTH OF 9 INCHES AND RE-COMPACTED TO 95% DENSITY.

4. ALL FILL MATERIAL SHALL CONSIST OF APPROVED, SUITABLE SOILS PLACED IN LOOSE LIFTS OF 9 INCHES OR LESS AND COMPACTED TO AT LEAST 95% OF THE MATERIAL'S MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D-698) IN ALL PAVEMENT AREAS.

5. PROJECT WILL BE COVERED BY A GENERAL PERMIT REGULATING RUNOFF FROM CONSTRUCTION SITES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THE REQUIRED MONITORING, INSPECTION AND MAINTENANCE AS REQUIRED BY THE PERMIT.

6. ALL DISTURBED EMBANKMENTS GREATER THAN 3:1 SLOPES SHALL BE SEEDED ACCORDING TO A RECOMMENDED SEEDING MIX BY THE LANDSCAPER AND COVERED WITH EROSION CONTROL BLANKETS OR AS DIRECTED BY PLAN DOCUMENTS.

7. CONTRACTOR SHALL ADHERE TO THE ***CITY OF MILWAUKEE*** EROSION AND SEDIMENT CONTROL REGULATIONS AND THE STATE OF ***WISCONSIN*** CONSTRUCTION SITE EROSION CONTROL MANUAL.

8. ALL AREAS TO BE GREENSPACE AT PROJECT COMPLETION SHALL BE LEFT WITH 6 INCHES OF TOPSOIL WHEN MASS GRADING ACTIVITIES ARE COMPLETE.

EROSION CONTROL NOTES

1. EROSION CONTROL SHALL BE INSTALLED PRIOR TO ANY GRADING OPERATIONS WHERE POSSIBLE.

2. CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT OFF-SITE TRACKING OF SEDIMENT ONTO PUBLIC ROADWAYS. ANY SEDIMENT DEPOSITED ON PUBLIC ROADS SHALL BE REMOVED BY SHOVELING OR STREET CLEANING BEFORE THE END OF EACH WORKING DAY.

3. SHOWN LOCATION OF SILTATION CONTROL IS APPROXIMATE. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION.

4. WATER PUMPED DURING CONSTRUCTION OPERATIONS SHALL BE FILTERED.

5. ONCE CONSTRUCTION HAS BEEN COMPLETED, OR TEMPORARILY SUSPENDED FOR LONGER THAN 14 DAYS (SUCH AS WINTER SHUTDOWN), THE CONTRACTOR SHALL INITIATE SEEDING ON ALL AREAS DISTURBED IMMEDIATELY OF THE LAST DISTURBANCE. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE CONTRACTOR ESTABLISHES A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE ENGINEER.

6. CONTRACTOR SHALL ADHERE TO THE ***WISCONSIN*** CONSTRUCTION SITE EROSION CONTROL MANUAL.

7. ALL EROSION CONTROL MEASURES MUST BE INSTALLED (WHERE POSSIBLE) PRIOR TO THE COMMENCEMENT OF ANY EARTH DISTURBING OPERATIONS. THE REMAINING EROSION CONTROL MEASURES SHALL BE INSTALLED AS SOON AS REASONABLY POSSIBLE AFTER GRADING OPERATIONS BEGIN. WHERE THE PRESENCE OF SILT FENCE WILL INTERFERE WITH ACTIVITIES, DIVERSION DITCHES AND SMALL TEMPORARY SEDIMENT TRAPS SHALL BE UTILIZED UNTIL SILT FENCE OR OTHER MEASURES MAY BE INSTALLED AND VEGETATION ESTABLISHED.

8. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH PRECIPITATION EVENT AND REPLACED OR REPAIRED AS NECESSARY AND BE PROPERLY DOCUMENTED BY CONTRACTOR IN DAILY LOG TO COR.

9. SILT FENCE AND SEDIMENT BASIN SHALL BE CLEANED OR REPLACED WHEN SILT BUILDS UP TO WITHIN ONE FOOT OF THE TOP OF THE SILT FENCE.

10. PROJECT WILL BE COVERED BY A GENERAL PERMIT REGULATING RUNOFF FROM CONSTRUCTION SITES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THE REQUIRED MONITORING, INSPECTION AND MAINTENANCE AS REQUIRED BY THE PERMIT.

11. CONCRETE WASHOUT DEBRIS SHOULD BE HAULED OFF-SITE. WASHOUT SHOULD BE FILLED IN AND SEEDED.

12. ALL AREAS DISTURBED BEYOND LIMITS SHOWN SHOULD BE SEEDED WITH ADJACENT SEED MIXTURE OR IN-KIND.

13. THERE ARE NO EXPECTED DOWNSTREAM IMPACTS OTHER THAN THOSE ALLOWED PER ORDINANCE (2 YEAR, PRE-DEVELOPED RATE OF RELEASE)

UTILITY NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND PAVED STREETS, INCLUDING ANY NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR. ANY DAMAGE TO EXISTING UTILITIES AND/OR PAVED STREETS CAUSED BY TRENCHING AND GRADING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE.

2. ALL EXISTING UNDERGROUND UTILITIES SHOWN WERE LOCATED PARTIALLY IN THE FIELD AND PARTIALLY FROM REVIEW OF EXISTING PUBLIC RECORDS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT EACH UTILITY COMPANY FOR THE FIELD LOCATION OF THEIR EXISTING LINES IN OR NEARBY THE CONSTRUCTION AREA PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS REQUIRED TO PROVIDE GROUND PENETRATING RADAR SURVEY WITHIN 10 FEET OF ALL NEW PROPOSED UNDERGROUND UTILITY ROUTES (20 FEET WIDE SURVEY FOR ALL NEW ROUTES). CONTRACTOR IS RESPONSIBLE TO PROVIDE POTHOLING AT ALL LOCATIONS WHERE A NEW UNDERGROUND UTILITY WILL CROSS AN EXISTING UNDERGROUND UTILITY IDENTIFIED BY THE GROUND PENETRATING RADAR PROVIDED BY CONTRACTOR.

3. THE CONTRACTOR SHALL EXERCISE PROPER CAUTION TO PROTECT THE EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE.

4. THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITY MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

5. UTILITY PIPING. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION METHODS INCLUDING BACKFILL MATERIAL AND MATERIAL DEPTHS. PIPE MATERIAL SHALL BE AS SPECIFIED ON THE PLANS. ALL MATERIAL SHALL MEET THE REQUIREMENTS OF THE LOCAL JURISDICTION FOR STRENGTH, MATERIAL TYPE AND CONFORMITY WITH THE EXISTING SYSTEM. SEWER LINES SHALL BE CONSTRUCTED STRAIGHT TO THE SPECIFIED LINE AND GRADES. MANHOLES, STORM INLETS, VALVE BOXES AND APPURTENANCES SHALL BE ADJUSTED TO GRADE OR PER PLAN PRIOR TO SEEDING/LANDSCAPING ACTIVITIES.

6. CONTRACTOR IS RESPONSIBLE FOR PUBLIC AND PRIVATE UTILITY LOCATES. THE VA PREFERRED VENDOR IS "PRIVATE LINES". TELEPHONE: 715-445-5383. EMAIL: PRLINES@YAHOO.COM.

SITE CONTROL
SCALE: 1" = 200'

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

LEGEND

PROPOSED	EXISTING	
		STORM MANHOLE
		STORM INLET
		STORM INLET
		STORM DOUBLE INLET
		FLARED END SECTION
		DOWNSPOUT
		SANITARY MANHOLE
		SANITARY/STORM CLEANOUT
		UNKNOWN MANHOLE
		WATER VALVE
		HYDRANT
		WELL
		SPRINKLER BOX
		WATER METER
		WATER SERVICE
		POWER POLE
		POWER POLE W/ LIGHT
		POWER POLE W/ METER
		GUY WIRE
		GUY POLE
		ELECTRIC MANHOLE
		ELECTRIC PEDESTAL/TRANSFORMER
		ELECTRIC METER
		TELEPHONE POLE
		TELEPHONE MANHOLE
		TELEPHONE PEDESTAL
		UTILITY MANHOLE
		HANDHOLE
		GAS VALVE
		LIGHT POLE
		VAPOR LIGHT
		LIGHT JUNCTION BOX
		SIGN
		FLAGPOLE
		POST/BOLLARD
		CONIFER TREE
		DECIDUOUS TREE
		BUSH/SHRUB
		TREE STUMP
		CONTROL POINT
		BENCHMARK
		SOIL BORING HOLE
		R.O.W. MARKER, FOUND
		RAILROAD SPIKE, FOUND
		PIPE, FOUND
		CONCRETE MONUMENT, FOUND
	100.00'	MEASURED DIMENSION
	(100.00')	RECORDED DIMENSION
	×100.00	SPOT ELEVATION
	TC=100.00 FL=100.00	GRADE LABEL
	1.0%	DRAINAGE SLOPE
		LINE CONTINUATION
		CONTROL POINT
		SURVEY BOUNDARY
		PROPERTY LINE
		CENTERLINE
		HISTORICAL LINE - AS NOTED
		EASEMENT LINE
		SECTION LINE
		R.O.W. LINE
		SETBACK LINE
		FORCE MAIN
		SANITARY SEWER
		STORM SEWER
		PIPE UNDERDRAIN
W W	W W	WATER LINE
OE OE	OE OE	OVERHEAD ELECTRIC
E E	E E	UNDERGROUND ELECTRIC
G G	G G	GAS LINE
T T	T T	TELEPHONE LINE
UT UT	UT UT	UTILITY LINE
		EDGE OF WATER LINE/DITCH FLOWLINE
		CHAIN LINK FENCE
		SILT FENCE
100	100	CONTOUR
		GUARD RAIL
		TREE LINE
		FLOOD PLAIN
		FLOODWAY
		CONSTRUCTION LIMITS

Graphic Scale : 1"=1'-0"
Graphic Scale : 1/2" = 1'-0"
Graphic Scale : 3/4" = 1'-0"
Graphic Scale : 1/16" = 1'-0"
Graphic Scale : 1/8" = 1'-0"
Graphic Scale : 1/4" = 1'-0"
Graphic Scale : 3/32" = 1'-0"
Graphic Scale : 1/32" = 1'-0"

Revisions:	Date:
35% SCHEMATIC DESIGN SUBMISSION	5.17.21
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95% CONSTRUCTION DOCUMENTS RESUBMISSION	6.6.23

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL NOTES	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number:
		Issue Date: SEPTEMBER 5, 2025 / Checked: RJJ / Drawn: LKS	Drawing Number: 100-CJ100 of

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