WJ MURPHY ELEMENTARY SCHOOL **2023 SITE IMPROVEMENTS ROUND LAKE PARK, ILLINOIS**

STANDARD SYMBOLS

<u>FEATURE</u>	EXISTING	<u>PROPOSED</u>
BUFFALO BOX	Φ	0
BUSH/SHRUB	£}	
CATCH BASIN	õ	
CLEANOUT	o ^{co}	o ^{C. O.}
COMBINE SEWER LINE	$-\!$	$-\!$
CONTOUR	708	<i>—708</i>
CULVERT	$\Box \longrightarrow \Box$	
DITCH/SWALE	···· «—··· «—··· «—··· «—··· «—···	
ELECTRIC LINE	——————————————————————————————————————	——Е——
ELECTRIC MANHOLE	E	©
FENCE	—X——X——X—	—x—_x—_x—_x—
FIRE HYDRANT	Ø	$\mathbf{igar{V}}$
FLARED END SECTION	\square	
GAS LINE	G	G
GAS MANHOLE	©	©
GAS VALVE	A	
INLET		
LIGHT POLE	-Ò-	-
OVERHEAD WIRES	——————————————————————————————————————	——A——
POWER POLE	-0-	-
R.O.W LINE		
R.O.W MARKER	æ	
SANITARY FORCEMAIN LINE	——((——((——	—((—-((—
SANITARY SEWER LINE	(
SANITARY SEWER MANHOLE	Ø	
SIGN	9	۹ ۵۶۵ ()
SPOT ELEVATION	×850.00	× <i>850.0</i>
STORM SEWER LINE		
STORM SEWER MANHOLE	0	•
TELEPHONE LINE	T	
TELEPHONE MANHOLE	0	Ô
TELEPHONE BOX/PEDESTAL		
	× 345	ATA 345
TREE-CONIFEROUS (SIZE/TAG#)	The second se	K W
	5 mg 12"	5 mg 12"
TREE-DECIDUOUS (SIZE/TAG#)	E. P	2. y
VALVE BOX	\otimes	•
VALVE VAULT	\boxtimes	
WATER VALVE	\otimes	•
WATERMAIN LINE	W	—— <i>W</i> ——

EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.

CONTRACTOR IS RESPONSIBLE FOR CONTACTING J.U.L.I.E. AT 1-800-892-0123 AND MUST ACQUIRE A DIG NUMBER A MINIMUM OF 72 HOURS PRIOR TO ANY WORK BEING DONE.

NOTE: CONSTRUCTION MEANS, METHODS AND JOB SITE SAFETY IS THE SOLE AND EXCLUSIVE **RESPONSIBILITY OF THE CONTRACTOR**

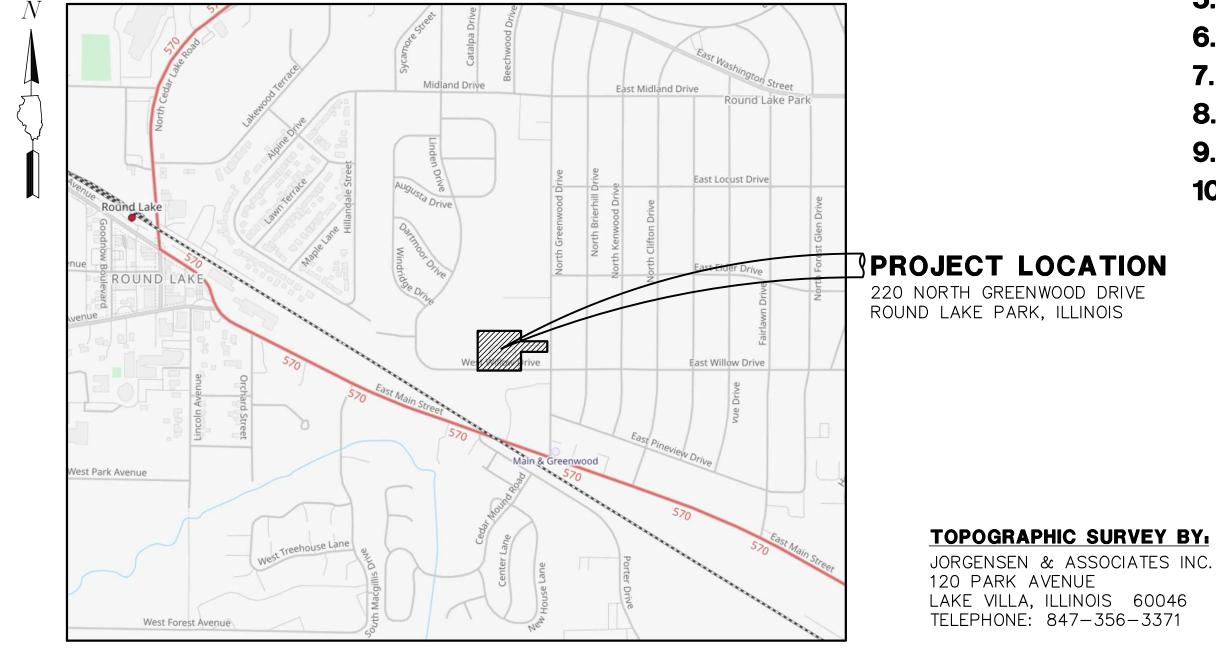


J.U.L.I.E JOINT UTILITY LOCATION

INFORMATION FOR EXCAVATION CALL 811



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LOCATION MAP (Not to Scale)

PROFESSIONAL DESIGN FIRM LICENSE

GEWALT HAMILTON ASSOCIATES, INC. DESIGN FIRM - LAND SURVEYOR/PROF ENG LICENSE NUMBER: 184.000922-0010 EXPIRES: 4/30/2023

ELEVATION ARE BASED ON MULTIPLE G.P.S. OBSERVATION AT TRAVERSE STATION 1 MEASURE ON MARCH 30, 2022 & APRIL 1, 2022 NAVD 88 ELEVATION = 781.75

T.B.M. #1

CROSS CUT (SET) IN NORTHEAST FLANGE BOLT OF FIRST FIRE HYDRANT WEST OF GREENWOOD DRIVE ON THE NORTH SIDE OF W. WILLOW DRIVE NAVD 88 ELEVATION = 783.56

TITLE SHEET					
WJ MURPHY ELEMENTARY SCHOOL 2022 SITE IMPROVEMENTS ROUND LAKE PARK, ILLINOIS	NO.	BY	DATE	REVISION	N

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- **10. DETAILS**

SIGNED:		P.E.
	GEOFFREY L. PERRY	
DATE:		
ILLINOIS LIC	CENSE NO.: 062-060412	
EXPIRATION	NDATE: NOVEMBER 30, 202	23
ISSUE	D FOR PE	RMIT
	FILE: 5903.005-DT.dwg	SHEET NUMBER:

				FILE: 5903.005-DT.d	SHEET NUMBER:	
				DRAWN BY: JRF DATE: 1.11.23	GHA PROJECT # 5903.005	1
NO.	BY	DATE	REVISION	CHECKED BY: GLP DATE: 1.11.23		of 10 sheets

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" LATEST EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION THE ILLINOIS PLUMBING CODE, THE DETAILS IN THESE PLANS, THE CONTRACT DOCUMENTS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THE IEPA AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO.
- 2. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH NEW CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW 3. LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.
- 4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE PRIOR TO ORDERING MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS 7. SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS. THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION. THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS/HER OWN RISK AND EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY COSTS INCURRED.
- 5. ALL PAVEMENT DIMENSIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED 6. BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER. AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
- 8. IF DURING CONSTRUCTION THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS OR UNDERDRAINS OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
- 9. THE CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AND HAND SANITIZING STATIONS FOR THE USE OF ALL THE CONTRACTORS PERSONNEL EMPLOYED ON THE WORK SITE. THE FACILITIES SHALL BE MAINTAINED IN PROPER SANITARY CONDITION THROUGHOUT THE PROJECT. THE LOCATION OF THE TEMPORARY FACILITIES SHALL BE APPROVED BY THE ENGINEER.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE NPDES PERMIT AND SWPPP MANUAL. IF NO NPDES PERMIT OR SWPPP MANUAL IS NEEDED FOR THE PROJECT THE CONTRACTOR SHALL PERFORM SOIL EROSION SEDIMENT CONTROL BEST PRACTICES OR AS DIRECTED BY THE OWNER TO PREVENT ILLICIT DISCHARGES FROM THE SITE.

UTILITY NOTES

- UNDERGROUND WORK SHALL INCLUDE TRENCHING, DISPOSAL OF EXCESS MATERIAL, DEWATERING, 1. INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. FITTINGS AND ACCESSORIES NECESSARY TO COMPLETE THE WORK MAY NOT BE SPECIFIED BUT SHALL BE CONSIDERED AS INCLUDED TO THE COST OF THE CONTRACT. ALL SEWER SHALL BE INSTALLED USING A LASER AND BEGIN AT THE DOWNSTREAM END.
- MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES USING A CORE DRILL. HAMMERING OR SAWING OF STRUCTURES WILL NOT BE ALLOWED.
- SANITARY SERVICE CONNECTIONS TO NEW SEWERS SHALL BE MADE WITH WYE BRANCHES. WYE 3. BRANCHES SHALL BE FACTORY MANUFACTURED PERMANENTLY AFFIXED TO THE MAIN SEWER. TEE BRANCHES ARE NOT ALLOWED.
- ALL CONNECTIONS TO EXISTING SANITARY MANHOLES SHALL BE INSTALLED WITH A NEOPRENE BOOT 4. SECURED WITH DOUBLE STAINLESS STEEL STRAPS MEETING THE REQUIREMENTS OF ASTM C-923.
- 5. ALL CONNECTIONS TO EXISTING OR DISSIMILAR STORM/SANITARY LINES SHALL BE DONE WITH STAINLESS STEEL NON-SHEAR COUPLINGS.
- 6. STONE BEDDING AND BACKFILL SHALL BE OMITTED FOR A DISTANCE OF 15 FEET UP AND DOWNSTREAM OF SEWERS DRAINING TO OR FROM PONDS OR STREAMS. THE REPLACED BEDDING SHALL BE SILTY CLAY SOIL MECHANICALLY COMPACTED TO 90% MODIFIED PROCTOR DENSITY. THE USE OF PERMEABLE 21. ALL DOWEL BARS AND TIE BARS SHALL BE EPOXY COATED UNLESS NOTED OTHERWISE. SOILS WILL NOT BE PERMITTED.
- 7. ALL WATER MAIN SHALL HAVE MECHANICAL RESTRAINED TYPE JOINTS AT ALL CONNECTIONS AND FITTINGS. IN ADDITION, ALL HARDWARE SHALL BE STAINLESS STEEL.
- 8. THRUST BLOCKING SHALL BE PROVIDED ON WATER MAIN AT ALL BENDS, TEES, ELBOWS, ETC. INDIVIDUAL INSPECTION FOR ALL THRUST BLOCKING IS REQUIRED. THRUST BLOCKING SHALL BE POURED 23. SPREAD SCREENED TOPSOIL ON ALL DISTURBED AREAS AND PROPOSED GREEN AREAS. TOPSOIL IN PLACE CONCRETE. PRECAST BLOCKS MAY BE USED AS APPROVED BY THE ENGINEER IN THE FIELD.
- 9. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER. ALL DOWNSPOUTS. SIDE YARD DRAINS, AND OUTSIDE DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM. FOOTING DRAINS SHALL FIRST DRAIN TO A SUMP PIT.

PROJECT SPECIFIC NOTES

- DRAWINGS.
- SPECIFICATIONS.
- ROUND LAKE PARK.

- THIS PROJECT.
- 8. ADDITIONAL INSURED.
- 9. ALL ELEVATIONS ARE ON NAVD 88 VERTICAL DATUM.
- OPERATIONS.
- PROHIBITED
- RE-PROOF-ROLLED UNTIL FOUND ACCEPTABLE TO THE ENGINEER.
- IS GIVEN BY THE ENGINEER.

- UNLESS MODIFIED BY ARTICLE 1020.04.

- NEW CONCRETE.

- DEPARTMENT OF TRANSPORTATION DETAILS.
- 26. ALL SIGNAGE SHALL HAVE TYPE ZZ SHEETING.



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1. THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS THAT INCLUDE; CRITICAL SPOT GRADES SUCH AS OVERFLOW ELEVATIONS, SPOT ELEVATIONS NEAR ENTRANCES, SPOT ELEVATIONS ALONG THE DESIGNATED ADA ROUTE, SUFFICIENT INFORMATION SUCH THAT THE ENGINEER MAY VERIFY DETENTION VOLUMES, RIM AND INVERT ELEVATIONS OF ALL SEWERS, RIM AND TOP OF PIPE ELEVATIONS OF ALL WATER MAIN, LOCATIONS OF ALL INSTALLED UNDERGROUND UTILITIES, LOCATIONS OF ALL BURIED BENDS AND FITTINGS AND ALL FIELD CHANGES FROM THE APPROVED

ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS FROM THE DATE OF INITIAL ACCEPTANCE OF THE WORK BY THE OWNER AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE.

ALL CONSTRUCTION WILL BE INSPECTED BY THE OWNER'S REPRESENTATIVE. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPALITY AS WELL AS THE STANDARD

ALL PUBLIC WATER MAINS AND SANITARY SEWER MAINS MUST BE ACCEPTED BY THE VILLAGE OF

VILLAGE OF ROUND LAKE PARK BEFORE WORK IS STARTED.

CONTRACTOR SHALL NOTIFY THE VILLAGE OF ROUND LAKE PARK (847-546-2790) AND THE SCHOOL DISTRICT CONSTRUCTION MANAGER (779-247-0424) OR THE PROJECT ENGINEER (847-478-9700) AT LEAST 72 HOURS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT.

THE CONTRACTOR SHALL INDEMNIFY THE OWNER. ENGINEER. THE MUNICIPALITY AND THEIR AGENTS. FROM ALL LIABILITY INVOLVED IN CONSTRUCTION, INSTALLATION AND TESTING OF THE WORK ON

THE CONTRACTOR MUST CARRY INSURANCE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. ALL OFFICIALS. EMPLOYEES AND AGENTS OF GEWALT HAMILTON ASSOCIATES MUST BE LISTED AS

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL TO ADEQUATELY INFORM AND PROTECT THE PUBLIC OF ALL CONSTRUCTION

11. STOCKPILING MATERIAL WITHIN THE 100 YEAR FLOOD PLAIN AND OR THE FLOODWAY IS STRICTLY

12. PRIOR TO PLACEMENT OF FABRIC AND STONE, THE SUBGRADE SHALL BE PROOF-ROLLED IN THE PRESENCE OF THE ENGINEER. PROOF-ROLLING SHALL BE DONE USING A THREE AXLE DUMP TRUCK TOGETHER WITH LOAD WEIGHING AT LEAST TWENTY-FIVE (25) TONS. THE LOAD SHALL BE UNIFORMLY PLACED IN THE DUMP BODY. ALL DEFICIENCIES SHALL BE REPAIRED AND

13. CRUSHED CONCRETE IS NOT PERMITTED FOR USE ON THE PROJECT UNLESS PRIOR WRITTEN NOTICE

14. ALL STONE USED ON THE PROJECT SHALL BE CRUSHED UNLESS SPECIFICALLY NOTED OTHERWISE

15. ALL CONNECTIONS TO EXISTING STORM MANHOLES SHALL BE INSTALLED WITH A NEOPRENE BOOT SECURED WITH DOUBLE STAINLESS STEEL STRAPS MEETING THE REQUIREMENTS OF ASTM C-923.

16. ALL CONCRETE SHALL HAVE A LIGHT BROOM FINISH APPLIED WITHIN 1 HOUR OF FINAL STRIKING.

17. ALL CONCRETE SHALL CONSIST OF PORTLAND CEMENT CONCRETE MEETING REQUIREMENTS OF SECTION 1020. ALL SIDEWALKS, CURBS AND POST FOUNDATIONS SHALL BE CLASS SI 3,500 PSI @ 14 DAYS. ALL PAVEMENT SHALL BE CLASS PV 3,500 PSI @ 14 DAYS. WHERE NOTED ON THE PLANS HIGH EARLY CONCRETE SHALL BE CLASS PV TYPE III 3,500 PSI CONCRETE @ 3 DAYS. ALL CONCRETE REQUIRING A CURE TIME FASTER THAN 3 DAYS SHALL HAVE A MIX DESIGN SUBMITTED TO THE ENGINEER FOR APPROVAL. WHEN REQUIRED BY THE MUNICIPALITY, FLY ASH SHALL NOT BE USED IN THE MIX DESIGN. SLUMP SHALL BE 2-4" AND AIR CONTENT SHALL BE BETWEEN 5-8%

18. ALL CONCRETE SHALL HAVE A WHITE, IDOT TYPE 3 CURING COMPOUND APPLIED TO THE SURFACE WITHIN 1 HOUR OF FINAL STRIKING AT THE MANUFACTURER RECOMMENDED APPLICATION RATE.

19. 3/4" THICK PRE-MOLDED FIBER EXPANSION JOINTS WITH 2, 3/4" x 18" PLAIN ROUND, STEEL DOWEL BARS SHALL BE INSTALLED IN ALL CURBS AT (45') FORTY-FIVE FOOT INTERVALS AND AT ALL P.C.'S, P.T.'S AND CURB RETURNS. ALTERNATE ENDS OF THE DOWEL BARS SHALL BE GREASED AND FITTED WITH METAL EXPANSION TUBES. ALL EXPANSION JOINTS MUST BE FREE OF CONCRETE FOR FULL DEPTH. CONTRACTION JOINTS SHALL BE TOOLED AT 15' INTERVALS.

20. UNLESS OTHERWISE NOTED ON THE PLANS WHENEVER NEW CONCRETE ABUTS EXISTING/ OR NEW CONCRETE SET A 1/2" THICK PRE-MOLDED FIBER EXPANSION JOINT AND DOWEL WITH SMOOTH 12" #4 BARS @ 24" O.C. THIS INCLUDES CONCRETE POURED ADJACENT TO EXISTING SIDEWALKS, CURBS AND BUILDING. THE DOWEL BARS SHOULD BE 4" INTO EXISTING CONCRETE WITH 8" EXTENDING INTO

22. ALL PAVEMENT AND BUILDING SUBGRADE SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY (ASTM D-1557). ALL SUBGRADE IN LAWN AREAS SHALL BE COMPACTED TO 90% MODIFIED PROCTOR DENSITY (ASTM D-1557). ALL TOPSOIL AND SUBGRADE 6" BELOW TOPSOIL SHALL BE COMPACTED TO 80% STANDARD PROCTOR DENSITY (ASTM D-698)

SHALL COMPLY WITH REQUIREMENTS OF ARTICLE 1081.05.

24. ALL SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ILLINOIS SUPPLEMENT OR ILLINOIS

25. ALL SIGNAGE NOT ATTACHED TO SIGNAL OR LIGHTING POLES SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS WITH BREAKAWAY BASES IN ACCORDANCE WITH SECTION 728.

EROSION CONTROL NOTES

- 1. AT A MINIMUM, THE CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S URBAN MANUAL.
- 2. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.
- 3. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY ROAD OF MATERIAL THAT IS FROM THE PROJECT. THIS WILL BE DONE AT THE CLOSE OF EACH DAY OF WORK OR MORE FREQUENTLY AS FIELD CONDITIONS WARRANT.
- 4. ALL STORM WATER STRUCTURES WITH OPEN LIDS SHALL BE PROTECTED WITH INLET FILTER BASKETS. DURING CONSTRUCTION, SEDIMENT SHALL BE REMOVED AS NEEDED, AND BASKETS SHALL BE REPAIRED OR REPLACED AS NEEDED.
- THE SEWER AND WATER CONTRACTOR SHALL BE REQUIRED TO BE LICENSED AND BONDED WITH THE 5. AFTER ACHIEVING PERMANENT VEGETATION, ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED, AND THE DRAINAGE STRUCTURES SHALL BE CLEANED.
 - 6. THE CONTRACTOR SHALL KEEP A WATER SOURCE AT THEIR DISPOSAL FOR THE PURPOSE OF WATERING DOWN SOIL ON SITE AND ADJACENT ROADWAYS WHICH OTHERWISE MAY BECOME AIRBORNE.
 - 7. THE CONTRACTOR SHALL STABILIZE ALL IDLE, DISTURBED AREAS WITHIN SEVEN DAYS OF CESSATION OF THE CONSTRUCTION ACTIVITIES IN THAT AREA.
 - 8. THE CONTRACTOR IS EXPRESSLY ADVISED NOT TO DISTURB AREAS WHICH ARE OUTSIDE THOSE NECESSARY TO PROVIDE THE IMPROVEMENTS AS CALLED FOR IN THE PLANS.
 - 9. ALL EROSION CONTROL MEASURES SHALL BE REPLACED IF DAMAGED OR MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
 - 10. ALL BYPASS CHANNELS, MUST BE CONSTRUCTED SO THAT CHANNEL FLOWS WILL NOT CAUSE EROSION OF EXCAVATED MATERIAL. IN EACH CASE A SEDIMENTATION BASIN MUST BE CONSTRUCTED SO AS TO ALLOW THE SEDIMENT TO SETTLE PRIOR TO THE DOWNSTREAM OUTLET OF THE PROJECT AREA.
 - 11. PUMPS MAY BE USED AS BYPASS DEVICES, BUT IN NO CASE WILL THE WATER BE DIVERTED OUTSIDE THE PROJECT LIMIT. ALL PUMPED WATER SHALL BE FREE OF SILT. PUMPING MAY REQUIRE THE USE OF A SEDIMENT CONTAINMENT FILTER BAG AND OTHER SUPPLEMENTAL SEDIMENT CONTROL MEASURES.
 - 12. CONCRETE WASHOUT FACILITIES SHALL BE MADE AVAILABLE IF NEEDED, AND PROPERLY MAINTAINED THROUGHOUT THE PROJECT.
 - 13. PROPERLY MANAGE ALL MATERIAL STORAGE AREAS, PORTABLE TOILETS, AND EQUIPMENT FUELING, CLEANING, AND MAINTENANCE AREAS TO ENSURE THESE AREAS ARE FREE OF SPILLS, LEAKS, OR OTHER POTENTIAL POLLUTANTS.
 - 14. WASTE, CONSTRUCTION DEBRIS, AND BUILDING MATERIALS SHALL BE COLLECTED AND PLACED IN APPROVED RECEPTACLES.

EXISTING CONDITION AND DEMOLITION NOTES

- 1. PRIOR TO STARTING ANY CONSTRUCTION, PROVIDE SOIL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLANS AND AS REQUIRED PER IEPA NPDES GUIDELINES. REFER TO NOTES AND DETAILS THROUGHOUT THE ENTIRE PLAN SET.
- 2. PRIOR TO STARTING ANY EXCAVATION WORK, PROVIDE TREE PROTECTION, PRESERVATION AND ROOT PRUNING AS SHOWN ON THE PLANS AND NOTES THROUGHOUT THE ENTIRE PLAN SET.
- 3. CONTRACTOR SHALL REFER TO SUBSURFACE SOIL EXPLORATION REPORT.
- 4. WILLOW DRIVE AND GREENWOOD DRIVE ARE UNDER THE JURISDICTION OF ROUND LAKE PARK. ALL WORK WITHIN THE RIGHT OF WAY WILL REQUIRE A PERMIT.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FENCING THE ACTIVE WORK ZONE FROM THE PUBLIC AND PROTECTING THE PUBLIC FROM ANY CONSTRUCTION RELATED HAZARDS. AT A MINIMUM, ALL EXCAVATION, DEMOLITION AREAS AND OTHER AREAS POTENTIALLY HAZARDOUS TO PEDESTRIANS AND VEHICLES MUST BE PROTECTED.
- 6. AT ALL TIMES, MAIN DRIVE, LOADING DOCKS, AND DUMPSTER AREAS SHALL REMAIN OPEN AND UNOBSTRUCTED. TEMPORARY SHUT DOWN OF ONE TRAFFIC LANE AT A TIME WILL BE PERMITTED FOR SHORT TERM PERIODS AND SHALL BE COORDINATED WITH APPOINTED PROPERTY OWNER CONSTRUCTION STAFF. SHORT TERM CLOSINGS SHALL BE COMPLETED WITHIN THE WORK DAY AND RESTORED TO UNOBSTRUCTED ACCESS BY THE CLOSE OF THE WORK DAY.
- 7. TEMPORARY STONE OR ASPHALT PATHWAYS SHALL BE PROVIDED AS NEEDED THROUGHOUT THE COURSE OF CONSTRUCTION TO FACILITATE SAFE PEDESTRIAN AND VEHICULAR MOVEMENT. THE LONGITUDINAL SLOPE OF SUCH PATHS SHALL NOT EXCEED 5% AND CROSS SLOPES SHALL NOT EXCEED 2%. PROVIDE 6" CA-6 BASE AND 2" SURFACE ASPHALT.
- 8. THE EXISTING FACILITIES WILL REMAIN OPEN AND ACTIVELY USED. CONTRACTOR SHALL REFER TO MECHANICAL, ELECTRICAL AND ARCHITECTURAL PLANS AND COORDINATE WITH UTILITY COMPANIES TO ENSURE CONTINUOUS UTILITY SERVICES DURING DEMOLITION AND TRANSITIONING OF SERVICES.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION AND DISPOSAL OF ALL EXISTING IMPROVEMENTS ONSITE NECESSARY TO COMPLETE THE JOB. THESE IMPROVEMENTS INCLUDE, BUT ARE NOT LIMITED TO, EXISTING PAVEMENTS, CURBS, SIDEWALKS, UTILITIES, LIGHTING, LIGHT BASES, MANHOLES, FENCES, FOUNDATIONS, AND OTHER STRUCTURES WITHIN THE WORK AREA. EXCAVATE AND GRADE TO PROPOSED PAVEMENT AND BUILDING SUBBASE GRADES. (REFER TO FOUNDATION PLANS FOR PROPOSED BUILDING SUBBASE GRADES.) THESE ITEMS SHALL BE COMPLETELY REMOVED AND LEGALLY DISPOSED OF OFFSITE.
- 10. REMOVE OR ABANDON EXISTING UTILITIES AS SHOWN. UTILITIES THAT ARE REMOVED, UNLESS OTHERWISE NOTED, SHALL BE BACKFILLED WITH CA-6 CRUSHED STONE IN LIFTS OF 8" OR LESS AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY. UTILITIES TO BE ABANDONED SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF 2 FEET LONG NON-SHRINK CONCRETE/MORTAR PLUGS. MANHOLE STRUCTURES TO BE ABANDONED SHALL HAVE THE TOP SECTION REMOVED, SEWERS BULKHEADED WITH CONCRETE AND BACKFILLED WITH CA-6 CRUSHED STONE.
- 11. TEMPORARILY REMOVE. STORE AND PROTECT SIGN AND POSTS WITHIN AFFECTED WORK ZONE FOR REINSTALLATION. COORDINATE ONSITE STORAGE WITH PROPERTY OWNER.
- 12. THE CONTRACTOR SHALL INCLUDE ALL ASSOCIATED COSTS WITH THE REMOVAL, TRANSPORT, DISPOSAL, TESTING AND CERTIFICATION OF "UNCONTAMINATED SOIL" AS DEFINED UNDER 415 ILCS 5/3.160 INCLUDING ANY FEES, TAXES, OR SURCHARGES CHARGED BY OR THROUGH THE OPERATOR(S) OF CLEAN CONSTRUCTION OR DEMOLITION DEBRIS FILL OPERATIONS OR UNCONTAMINATED SOIL FILL OPERATIONS FOR THE ACCEPTANCE OF UNCONTAMINATED SOIL.

GENERAL NOTES					
WJ MURPHY ELEMENTARY SCHOOL					
2022 SITE IMPROVEMENTS ROUND LAKE PARK, ILLINOIS	NO). B`	Y DATE	REVISION	

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GEOMETRIC AND PAVING PLAN

- 1. ALL PAVEMENT DIMENSIONS ARE TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. E=EDGE OF PAVEMENT, B=BACK OF CURB, F=FACE OF CURB. RADII DIMENSIONS ARE TO BACK OF CURB.
- 2. INSTALL ALL CURB AND SIDEWALK AS SHOWN. NOTE SOME CURBS REQUIRE REVERSE PITCH GUTTER. DOWEL NEW SIDEWALK AND CURB TO EXISTING AND PROPOSED CURBS PER GENERAL NOTES. WHEN CONSTRUCTING A CARRIAGE WALK, THE PROPOSED SIDEWALK CONTRACTION AND EXPANSION JOINTS SHALL ALIGN WITH EXISTING CURB JOINTS.
- 3. PROVIDE 1.90% CROSS SLOPE AND 4.5% MAXIMUM LONGITUDINAL SLOPE ON ALL SIDEWALKS AND PEDESTRIAN PATH WAYS UNLESS OTHERWISE INDICATED. ILLINOIS ACCESSIBILITY CODE REQUIRES A MAXIMUM CONSTRUCTED CROSS SLOPE OF 2.00% AND LONGITUDINAL SLOPE OF 5.00%.
- 4. INSTALL BITUMINOUS PAVEMENT AS SHOWN. REFER TO DETAIL SHEET FOR SPECIFIC PAVEMENT SECTIONS AND GENERAL NOTE SHEET FOR CONSTRUCTION, TESTING AND COMPACTION REQUIREMENTS.
- 5. INSTALL PCC PAVEMENT AS SHOWN. REFER TO DETAIL SHEET FOR SPECIFIC PAVEMENT SECTION AND GENERAL NOTES FOR CONSTRUCTION, TESTING AND COMPACTION REQUIREMENTS.
- 6. ALL PARKING LOT STALL MARKINGS SHALL BE 4" YELLOW PAINT AND ALL OTHER PARKING LOT PAVEMENT MARKINGS SHALL BE PAINT, COLOR AS NOTED, IN ACCORDANCE WITH SECTION 780 OF THE IDOT STANDARD SPECIFICATIONS. (TWO SINGLE APPLICATIONS, 16 MILS EACH REQUIRED). SITE PAVEMENT HRS PRIOR TO INSTALLING PAVEMENT MARKING.
- 7. FOR HANDICAPPED STALL MARKINGS, REFER TO HANDICAPPED PARKING STALL AND SIGN DIMENSIONING DETAIL.
- 8. INSTALL NEW SIGNS AND HANDICAPPED PARKING SIGNS USING 2" GALVANIZED SQUARE TUBE POST AND TELESCOPING POST SLEEVE PER IDOT STANDARD.
- 9. INSTALL RETAINING WALL AS SHOWN. REFER TO DETAIL SHEET FOR MATERIAL AND DESIGN REQUIREMENTS.
- 10. INSTALL TRANSFORMER PAD AS SHOWN. PAD SHALL BE SET 6" ABOVE FINISHED GRADE. REFER TO MEP PLANS FOR FINAL PAD SIZE AND DESIGN REQUIREMENTS.
- 11. CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL SEED AND BLANKET AS NECESSARY TO MEET SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS. REFER TO NOTES AND DETAILS THROUGHOUT THE PLAN SET FOR SPECIFIC MATERIAL REQUIREMENTS.
- 12. FOR FINAL RESTORATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL DISTURBED TURF AREAS AND PROPOSED TURF AREAS AS FOLLOWS:
- a. REFER TO LANDSCAPE PLANS FOR PLANT AND TREE MATERIAL AND INSTALLATION REQUIREMENTS. b. REFER TO LANDSCAPE PLANS FOR TOPSOIL, SEED AND SOD MATERIAL AND RESTORATION REQUIREMENTS.
- c. PRIOR TO PLACEMENT OF TOPSOIL RESTORATION AREA SUBGRADE MATERIAL SHALL BE ROTOTILLED AND RE-COMPACTED TO A MAXIMUM OF 80% STANDARD PROCTOR TO A DEPTH OF 6". d. SPREAD A MINIMUM OF 6" OF EXISTING SITE SALVAGED SCREENED TOPSOIL OR NEW PULVERIZED
- TOPSOIL ON ALL DISTURBED AREAS. COMPACT TO 80% STANDARD PROCTOR. e. TOPSOIL MUST BE FREE OF LITTER, BRUSH, ROCKS AND EARTH CLODS OF GREATER THAN 1 INCH IN
- ANY DIMENSION. CONTAIN BETWEEN 1%-10% ORGANIC MATTER, 12%-50% CLAY, AND LESS THAN 55% SAND CONTENT. PH SHALL BE BETWEEN 6.0 AND 8.0. f. SEED RESTORATION AREAS AS FOLLOWS:
- IDOT CLASS 1 SEED. (LAWN MIXTURE)
- IDOT CLASS 4 SEED. (NATIVE GRASS) •
- FERTILIZER SHALL BE APPLIED FOLLOWING IDOT REQUIREMENTS. • EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN S75 OR APPROVED EQUAL • INSTALLED FOLLOWING MANUFACTURER GUIDELINES.
- SOD RESTORATION AREAS AS FOLLOWS:
- SOD SHALL BE 24" WIDE X 54" LONG OR 2.5' BY 30' LONG THICK CUT (1-1/2") OF WELL ROOTED GROWTH MATERIAL.
- SEED MIXTURE SHALL CLOSELY MATCH IDOT CLASS 1A. SOD SHALL BE ROLLED AFTER INSTALLATION.
- h. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE RESTORED AREA PER IDOT SPECIFICATIONS FOR A DURATION OF 30 DAYS PRIOR TO THE OWNER'S FINAL REVIEW AND ACCEPTANCE. IF RESTORATION HAS NOT SHOWN A "CATCH" OR UNIFORM STAND, THE CONTRACTOR SHALL REPEAT RESEEDING OR RESODDING UNTIL A UNIFORM STAND IS ACHIEVED.
- 13. ONCE RESTORATION HAS BEEN COMPLETED, THE CONTRACTOR SHALL REMOVE EROSION CONTROL DEVICES. SILT FENCE TRENCHES SHALL BE BACKFILLED AND RESTORED IN KIND. STORM STRUCTURES SHALL BE CLEANED OF DEBRIS.

GRADING PLAN NOTES

- 1. PRIOR TO STARTING ANY CONSTRUCTION, PROVIDE SOIL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLANS AND AS REQUIRED PER IEPA NPDES GUIDELINES. REFER TO NOTES AND DETAILS THROUGHOUT THE ENTIRE PLAN SET.
- 2. PRIOR TO STARTING ANY EXCAVATION WORK, PROVIDE TREE PROTECTION, PRESERVATION AND ROOT PRUNING AS SHOWN ON THE PLANS AND NOTES THROUGHOUT THE ENTIRE PLAN SET.
- 3. CONTRACTOR SHALL REFER TO SUBSURFACE SOIL EXPLORATION REPORT
- 4. REFER TO GENERAL NOTES FOR GRADING, COMPACTION AND PROOF ROLL REQUIREMENTS.
- 3. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, 5. HANDICAP ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED BETWEEN 1.0% AND 1.90% MAXIMUM STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SLOPES IN ANY ONE DIRECTION. ILLINOIS ACCESSIBILITY CODE PERMITS A MAXIMUM CONSTRUCTED SLOPE SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY, PROJECT OF 2.00%. ENGINEER OR OWNER.
- CRUSHED CONCRETE MEETING IDOT CERTIFICATIONS FOR THE DESIGN PLAN GRADATIONS FOR 4. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED NON-POROUS PAVEMENT AND SIDEWALK STONE BASE, STRUCTURAL FILL, AND TRENCH BACKFILL WILL BE WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES. PERMITTED.
- 7. CRUSHED CONCRETE MAY NOT BE USED FOR UNDERDRAIN TRENCH OR POROUS FILL CONDITIONS.
- 5. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA. MARKING SHALL BE COORDINATED WITH SITE ENGINEER. CONTRACTOR SHALL NOTIFY SITE ENGINEER 48 8. THE CONTRACTOR SHALL IMPORT OR EXPORT SOIL AS NECESSARY TO CONSTRUCT THE SITE TO SPECIFIED EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE PLAN GRADES. SUCH WORK IS CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL TRAILERS, AND TOILET FACILITIES. COMPENSATION SHALL BE ALLOWED FOR SUCH WORK. MINOR ADJUSTMENTS TO GRADES CAN BE ACCOMMODATED WITH PROJECT ENGINEER APPROVAL.
 - SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED. 9. THE CONTRACTOR SHALL INCLUDE ALL ASSOCIATED COSTS WITH THE REMOVAL, TRANSPORT, DISPOSAL, TESTING AND CERTIFICATION OF "UNCONTAMINATED SOIL" AS DEFINED UNDER 415 ILCS 5/3.160 7. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE INCLUDING ANY FEES, TAXES, OR SURCHARGES CHARGED BY OR THROUGH THE OPERATOR(S) OF CLEAN MAINTAINED ON SITE OR READLY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CONSTRUCTION OR DEMOLITION DEBRIS FILL OPERATIONS OR UNCONTAMINATED SOIL FILL OPERATIONS FOR CHEMICAL SPILLS AND LEAKS. THE ACCEPTANCE OF UNCONTAMINATED SOIL.
 - 10. ALL STRUCTURES SHALL BE ADJUSTED TO MEET FINISHED TURF AND PAVEMENT GRADES.
 - 11. REFER TO SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS FOR SEED AND BLANKET REQUIREMENTS FOR TEMPORARY STABILIZATION.
 - 12. REFER TO GEOMETRIC PLAN OR LANDSCAPE PLAN FOR FINAL RESTORATION REQUIREMENTS.
 - 13. CONTRACTOR SHALL PROVIDE THE FOLLOWING AS-CONSTRUCTED DOCUMENTS AT THE CONCLUSION OF THE PROJECT:
 - a. STORMWATER BASINS AND SWALES IMPOUNDING WATER • TOP OF BERM, OVERFLOW, AND BOTTOM OF BASIN ELEVATIONS
 - STRUCTURE AND FLARED END SECTIONS ELEVATIONS WITHIN BASIN • CONTROL STRUCTURE RESTRICTOR SIZE AND ELEVATION.
 - AS-CONSTRUCTED VOLUMES WITHIN RESPECTIVE BASINS UP TO OVERFLOW ELEVATION.
 - b. LAWN OR OPEN SPACE AREAS • SPOT ELEVATIONS AT A MAXIMUM 50 FOOT GRID.
 - SPOT ELEVATION TOP AND BOTTOM OF BERMS OR SWALES
 - SPOT ELEVATIONS AND RIDGE / HIGH AND LOW POINTS.
 - c. PARKING LOT AND HARD SURFACES • TOP OF CURB AND FLOWLINE ELEVATIONS AT SIMILAR LOCATIONS TO PROPOSED GRADING. SPOT ELEVATIONS AT SUMMIT / HIGH AND LOW POINTS.
 - d. ADA PARKING STALLS, SIDEWALK RAMPS, AND ADA ROUTES • PROVIDE 6 SPOT ELEVATIONS WITHIN THE PARKING STALL 3 ALONG THE FRONT AND REAR OF THE

 - e. BUILDINGS
 - TOP OF FOUNDATION ELEVATIONS. • FINISHED FLOOR ELEVATIONS AT DOORWAYS.



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SEDIMENTATION AND EROSION CONTROL NOTES

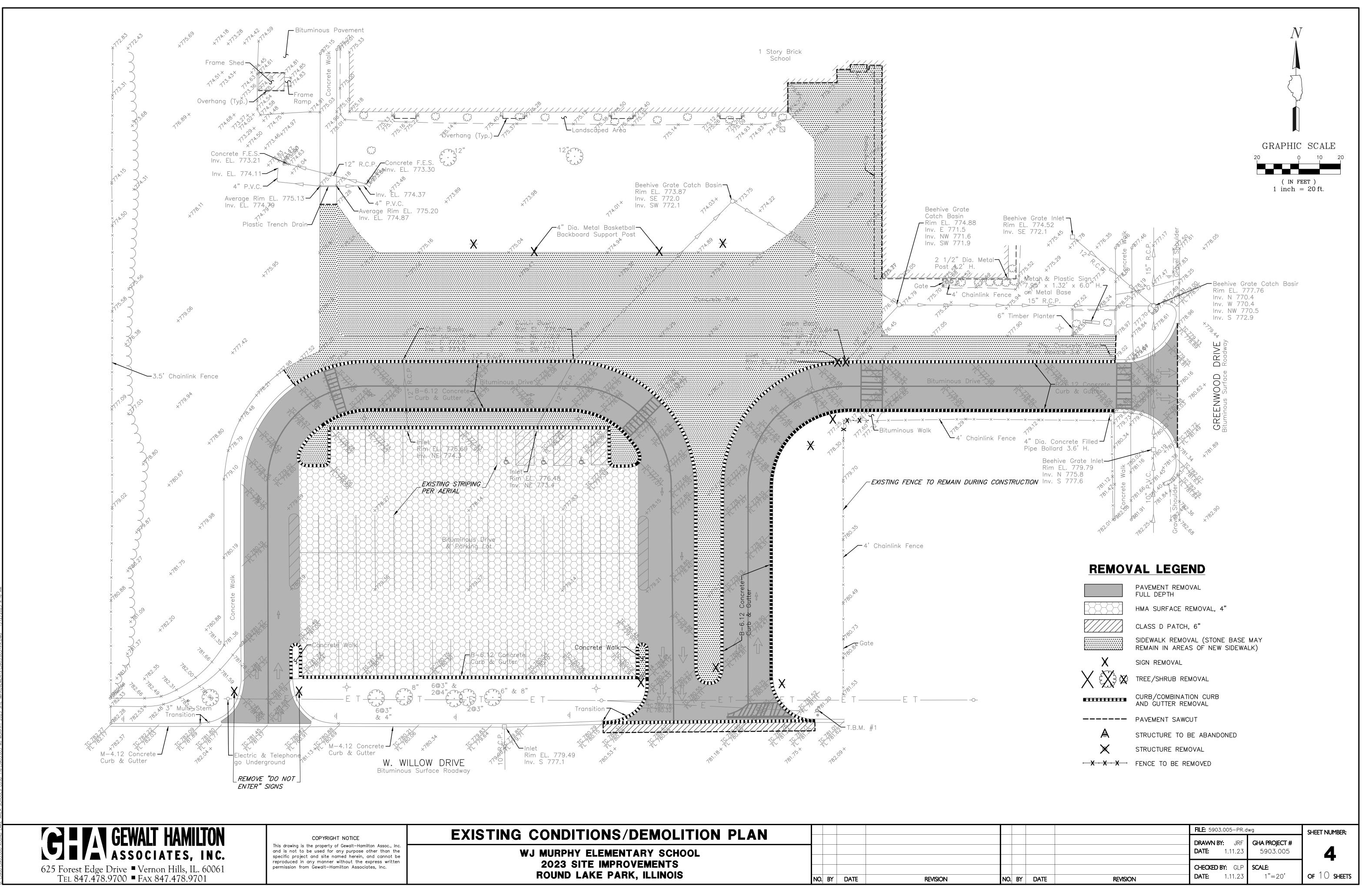
- STALL AT 8 FOOT SPACING ALONG THE STALL PAVEMENT MARKINGS. PROVIDE 4 SPOT GRADES PER SQUARE AT LANDINGS AND ANY TAMPERS OR RAMPS.
- PROVIDE SPOT ELEVATIONS ALONG ROUTE AT MAXIMUM 10 FOOT SPACING ON BOTH SIDES OF THE PATH TO CONFIRM CROSS AND LONGITUDINAL SLOPES REQUIREMENTS HAVE BEEN MET.

- 1. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THE SOIL EROSION AND SEDIMENT CONTROL PLANS, THE STANDARD DETAILS, THE PLAN NARRATIVE, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- 2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE (SWPPP) AND THE ILLINOIS GENERAL CONSTRUCTION PERMIT (ILR10) AND BECOME FAMILIAR WITH THEIR CONTENTS AND SIGN THE CERTIFICATION FORMS.

- 6. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.)
- 8. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED. WATER USE MUST NOT CAUSE ADDITIONAL EROSION.
- 9. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- 10. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE (SWPPP), SHALL BE INITIATED AS SOON AS PRACTICABLE
- 11. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT, WASHING SHALL BE IMPLEMENTED AND PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- 12. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED BY THE END OF THE DAY.
- 13. ON-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- 14. ERODIBLE STOCKPILES MUST BE ENCLOSED WITH SILT FENCE BY THE END OF THE WORK DAY.
- 15. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- 16. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
- 17. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES
- 18. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- 19. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- 20. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL ULTIMATELY BE RESPONSIBLE FOR MAINTAINENCE AND REPAIR.
- 21. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
- 22. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

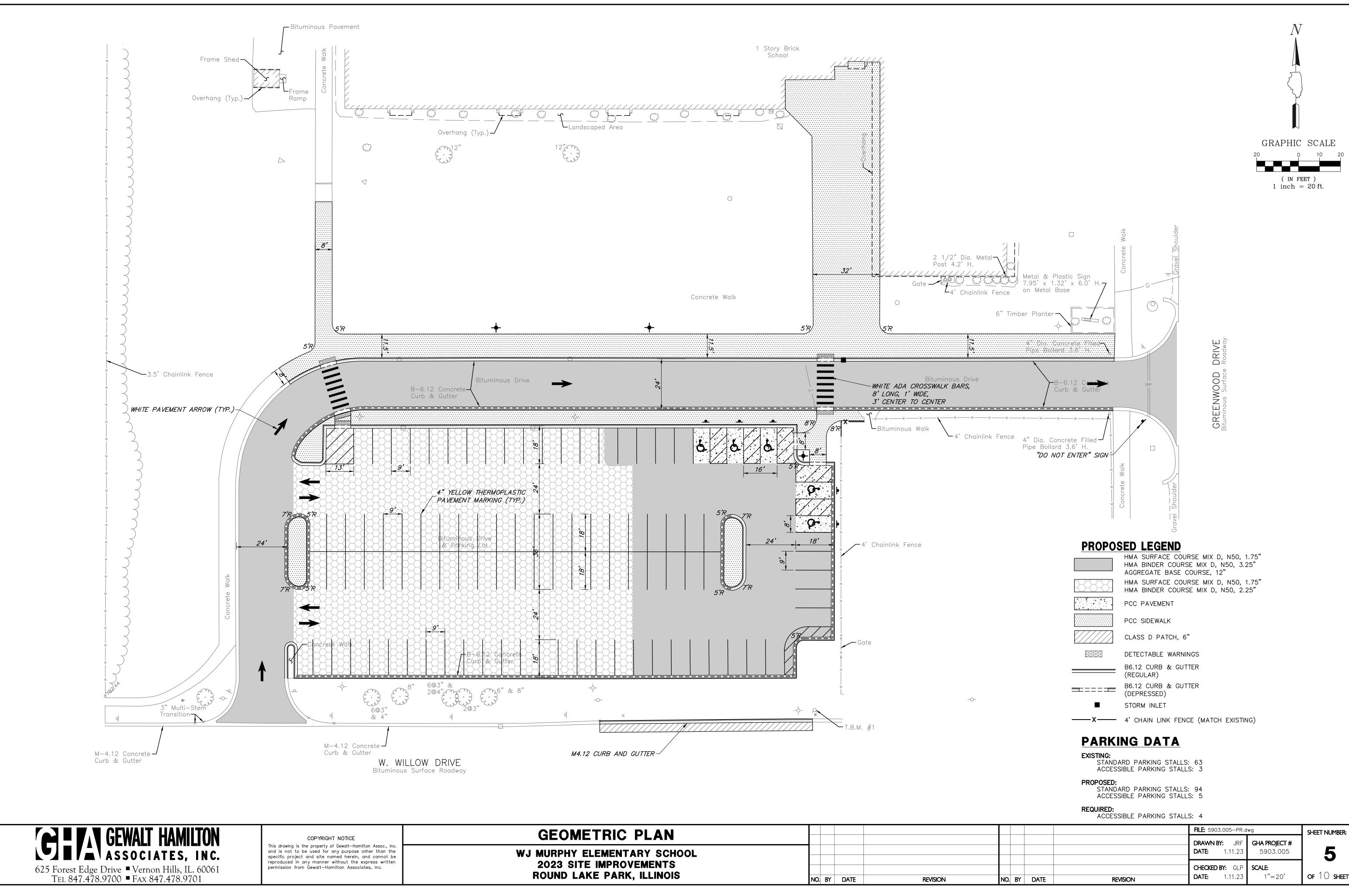
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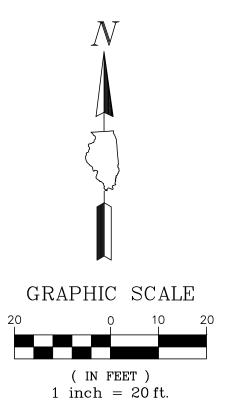


TING CONDITIONS/DEMOLITION PLAN					
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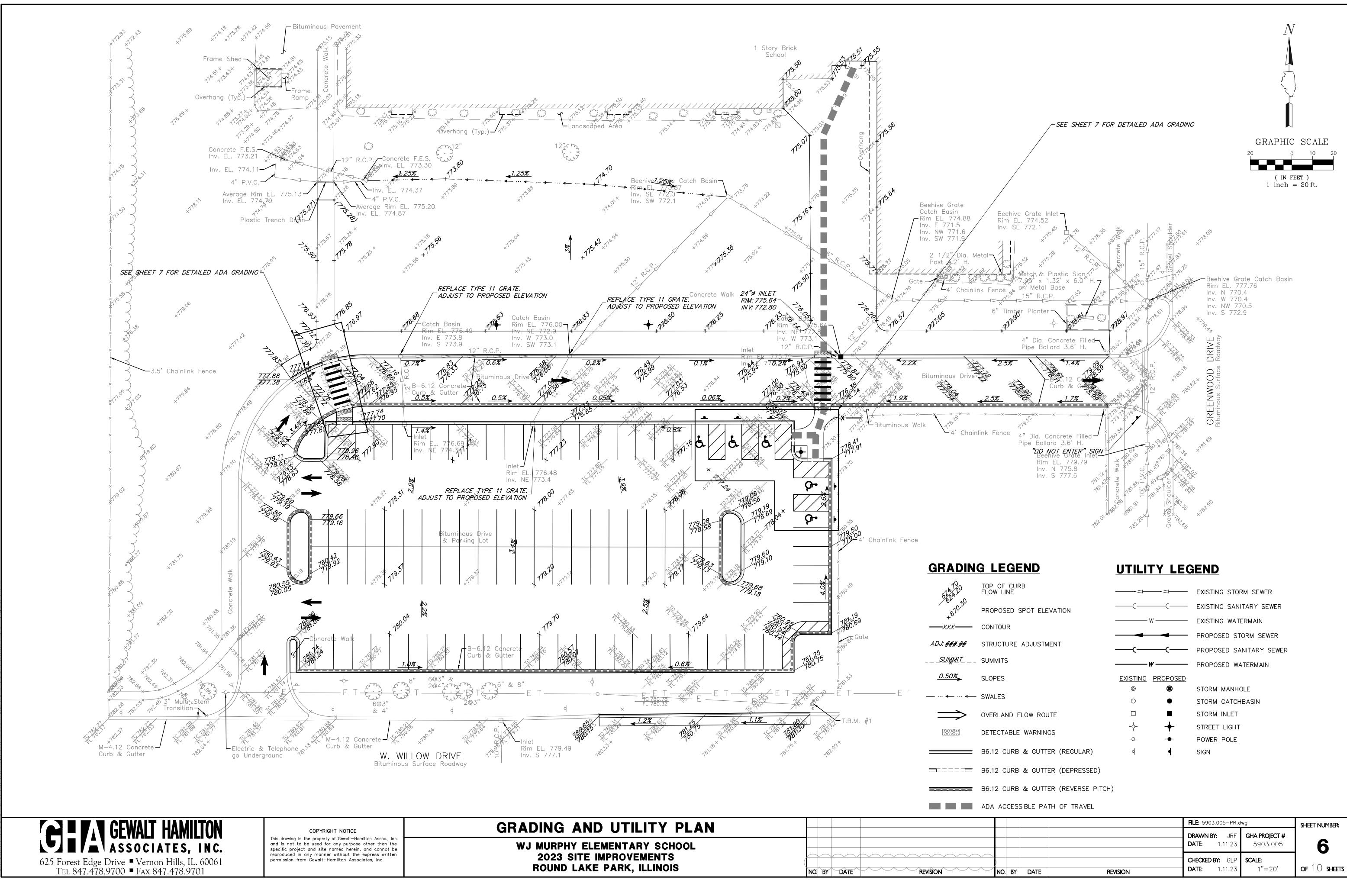
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GEOMETRIC PLAN					
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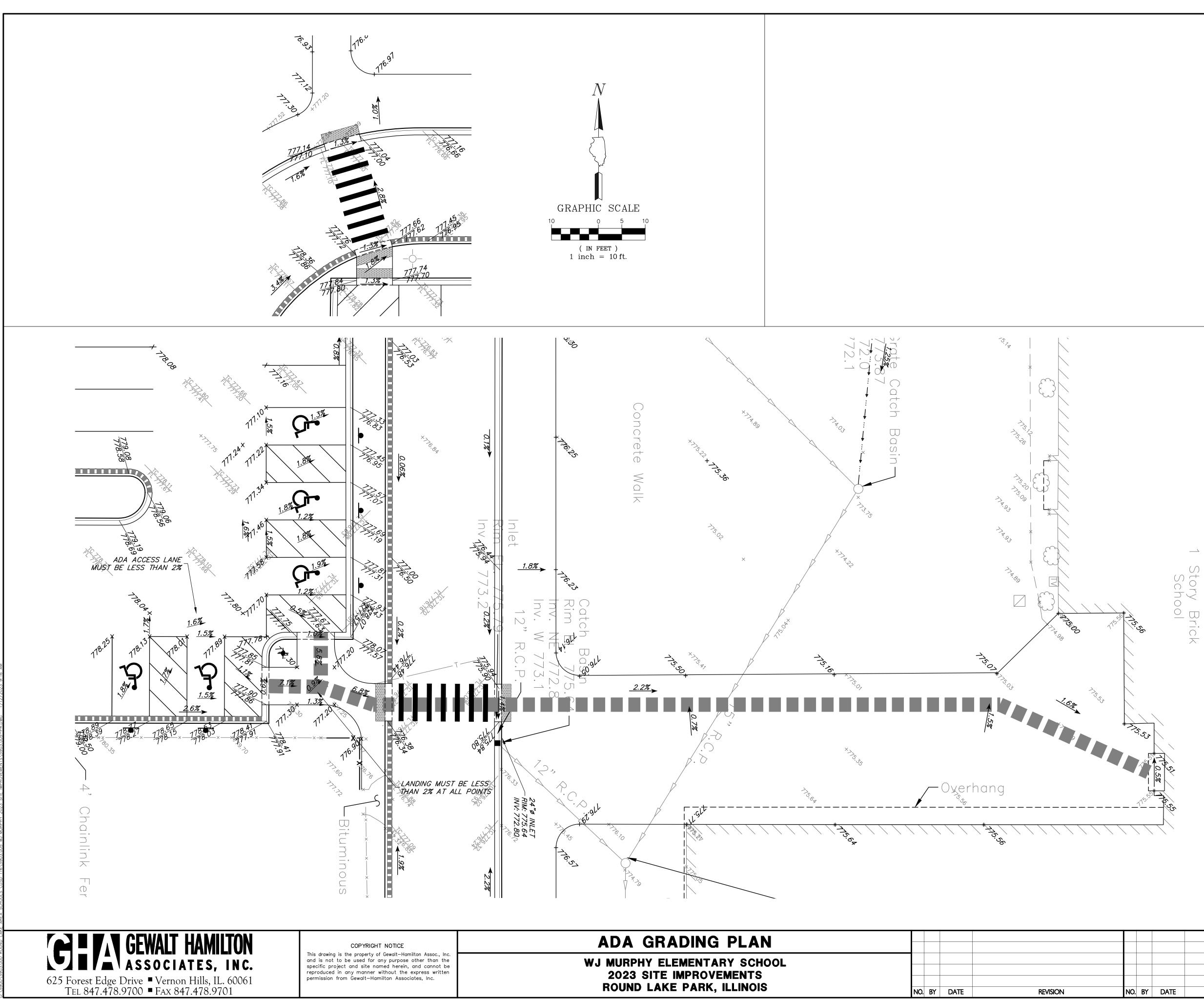


5 OF 10 SHEETS



			FILE: 5903.005-PR.dwg	SHEET NUMBER:
ACCESSIBLE PATH OF TRAVEL				
2 CURB & GUTTER (REVERSE PITCH)				
2 CURB & GUTTER (DEPRESSED)				
2 CURB & GUTTER (REGULAR)	þ	4	SIGN	
LUTADLE WAILININGS	-0-	-	POWER POLE	
ECTABLE WARNINGS		+	STREET LIGHT	
RLAND FLOW ROUTE			STORM INLET	
LES	0	•	STORM CATCHBASIN	
	©	•	STORM MANHOLE	
PES	EXISTING	PROPOSED)	
MITS		W	- PROPOSED WATERMAIN	
JCTURE ADJUSTMENT	—_(—	—(- PROPOSED SANITARY SEWER	
TOUR			- PROPOSED STORM SEWER	
TOUR		W	- EXISTING WATERMAIN	
POSED SPOT ELEVATION	((- EXISTING SANITARY SEWER	
OF CURB W LINE	$\neg \neg$	\square	- EXISTING STORM SEWER	

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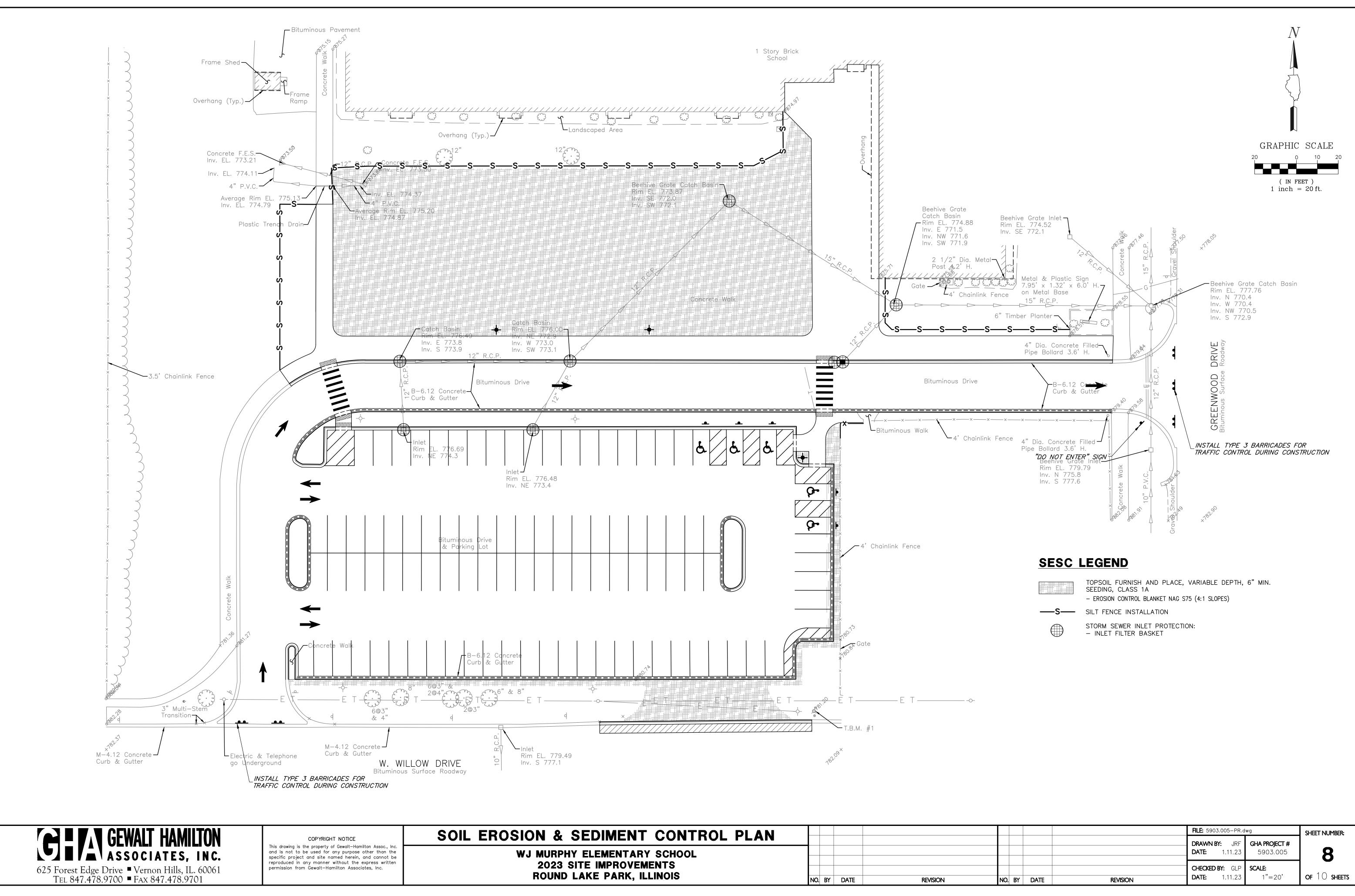


ADA GRADING PLAN				
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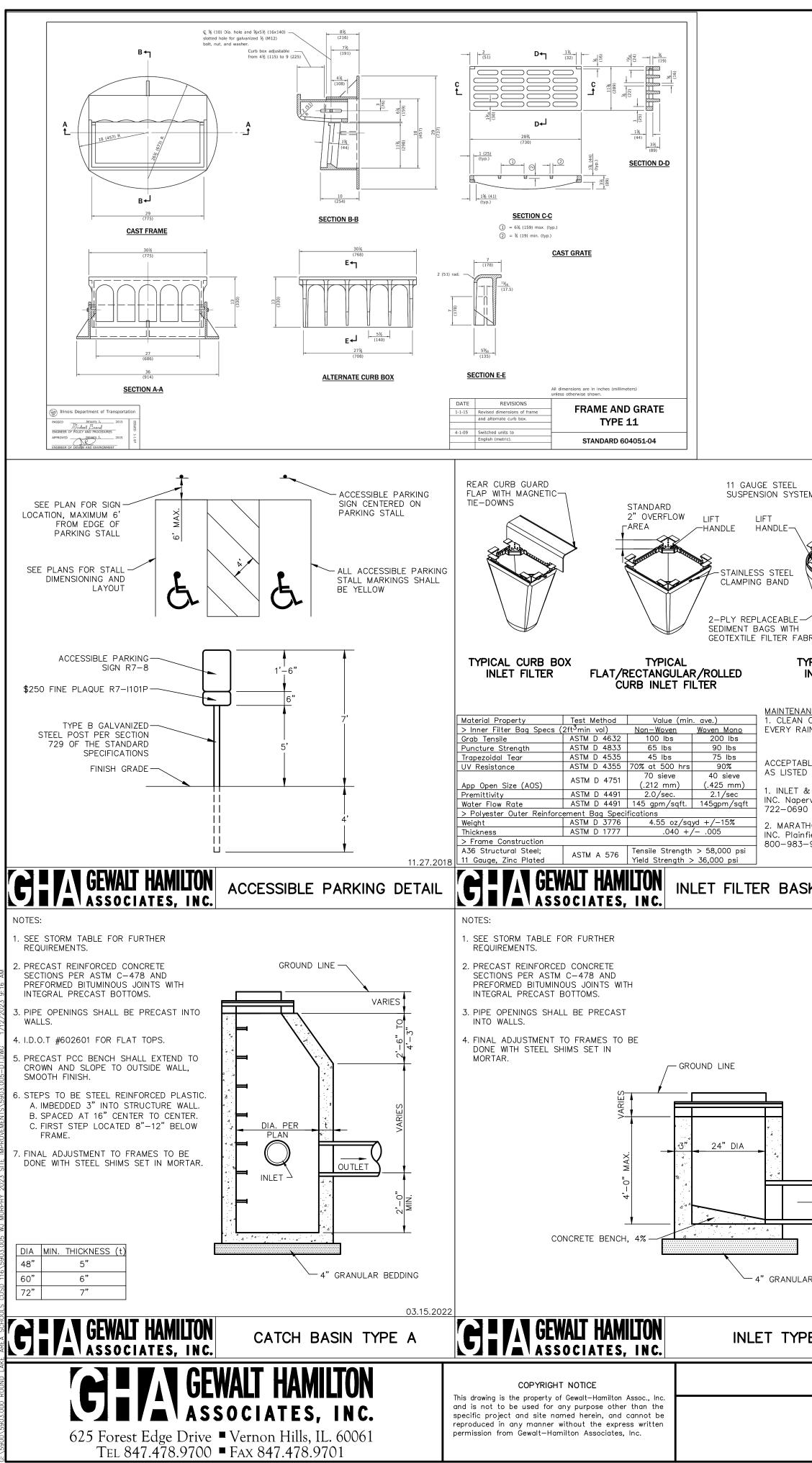
GRADING LEGEND									
624.120	TOP OF CURB FLOW LINE								
+610.30	PROPOSED SPOT ELEVATION								
XX	CONTOUR								
ADJ: ###.##	STRUCTURE ADJUSTMENT								
SUMMIT	SUMMITS								
0.50%	SLOPES								
··· « ··· «	SWALES								
\Rightarrow	OVERLAND FLOW ROUTE								
	DETECTABLE WARNINGS								
	B6.12 CURB & GUTTER (REGULAR)								
=====	B6.12 CURB & GUTTER (DEPRESSED)								
	B6.12 CURB & GUTTER (REVERSE PIT(

GRAPHIC SCALE (IN FEET) 1 inch = 10 ft.

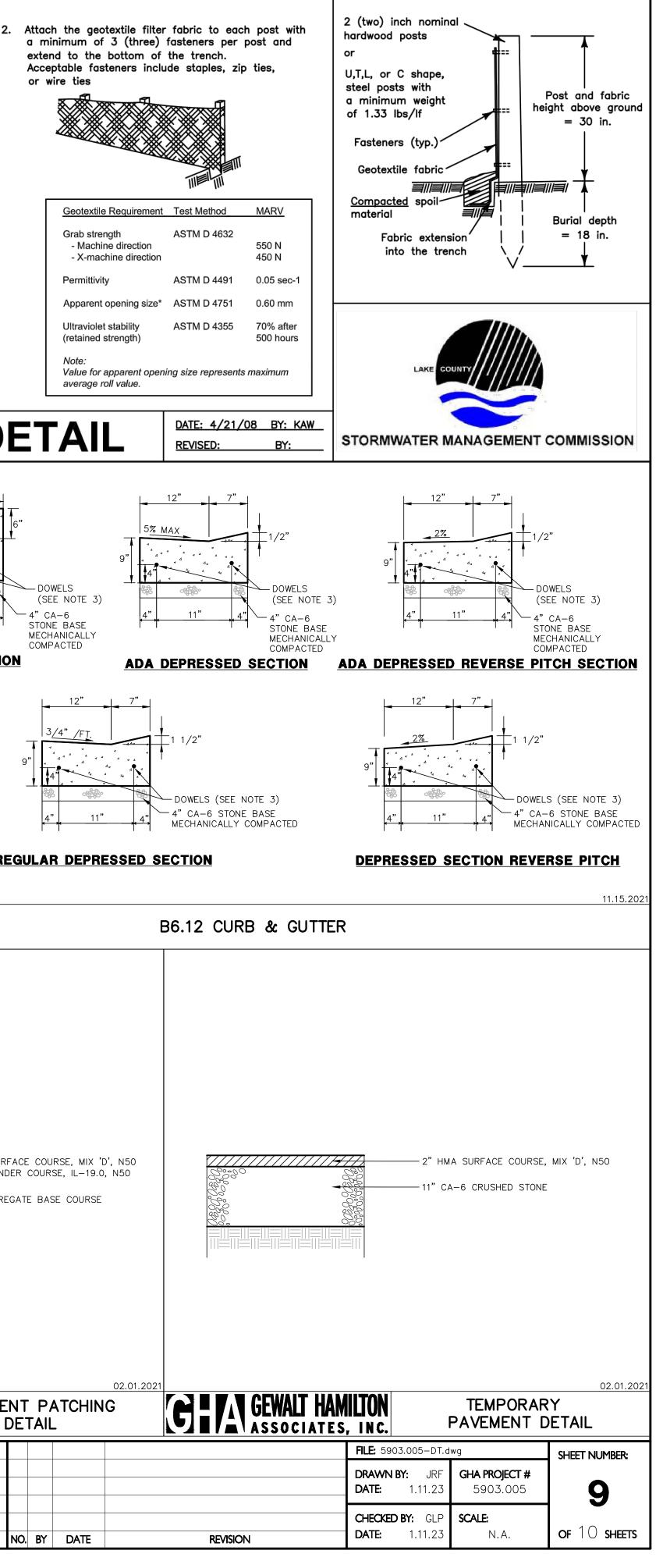
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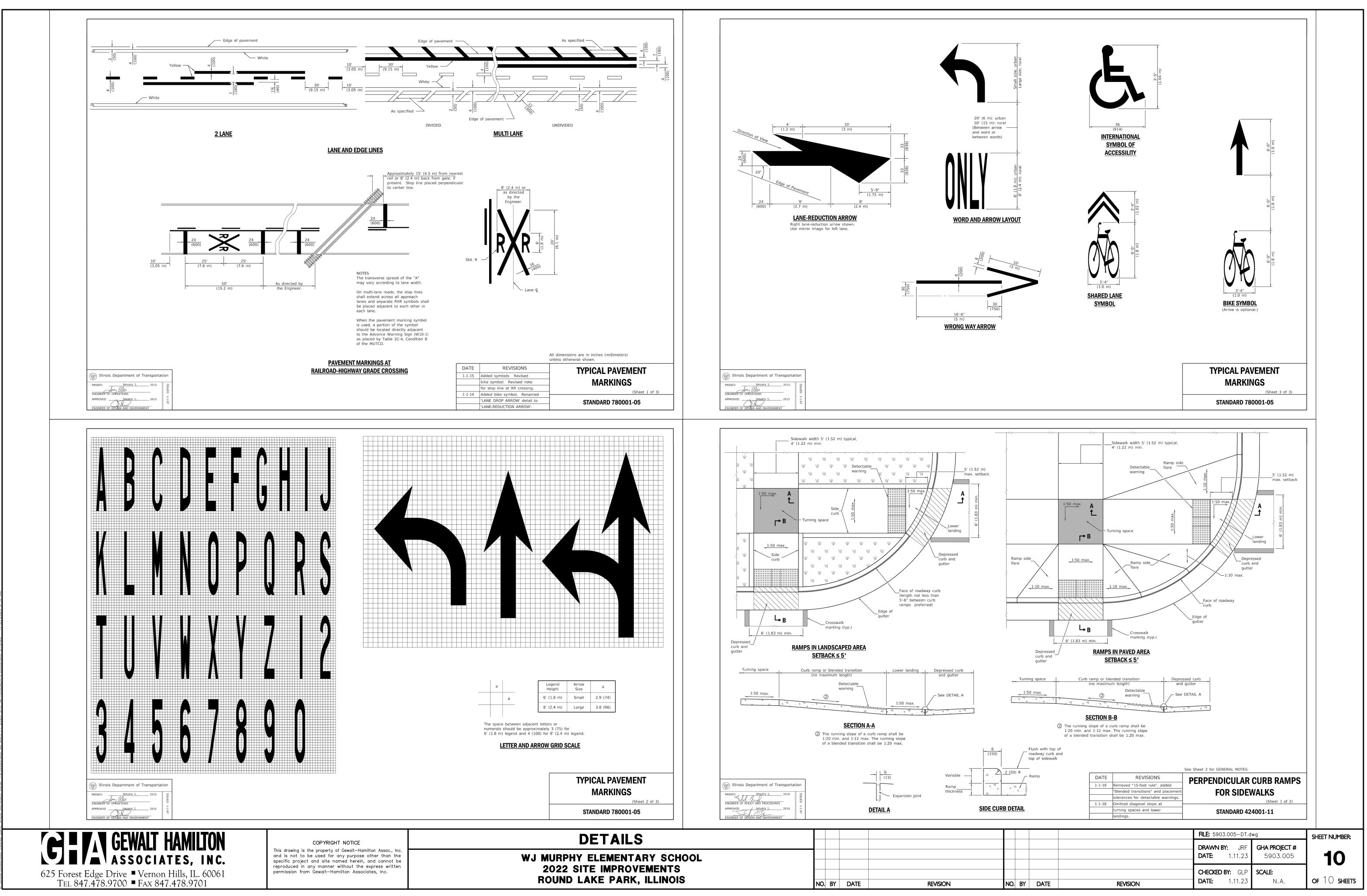


EROSION & SEDIMENT CONTROL PLAN					
WJ MURPHY ELEMENTARY SCHOOL 2023 SITE IMPROVEMENTS ROUND LAKE PARK, ILLINOIS	NO.	BY	DATE	REVISION	N



	Stabilization Type: JAN FEB MAR APR	MAY JUN JUL AUG SEP OCT NOV DEC		
	Permanent Seeding		1. Set posts and excavate or slit—trench deep trench upslope along the line of	
	Dormant Seeding B		foot max. spacing	
	Temporary Seeding		Direction of flow	
	Sodding E X X X		of flow 6	N. poil materials
	Mulching F			
	A = KENTUCKY BLUEGRASS @ 90 LBS/AC. MIXED B = KENTUCKY BLUEGRASS @ 135 LBS/AC. MIXE C = SPRING OATS @ 100 LBS/AC. D = WHEAT OR CEREAL RYE @ 150 LBS/AC. E = SOD F = STRAW MULCH (HYDROMULCH OR USE STRAV XXX = IRRIGATION NEEDED IRRIGATION SHOULD BE PROVIDED AS NECESSARY NOTE: SPRAYED ON PRODUCTS CANNOT BE USED NOV	D WITH PERENNIAL RYEGRASS @ 45 LBS/AC. / BLANKET) @ 2 TONS/AC. TO THOROUGHLY ESTABLISH INTENDED GROWTH.		Ĩ
	GERACE GEWALT HAMILTON Associates, inc.	TYPICAL SOIL PROTECTION CHART	NOTES:	CE D
TEM			1. SET EXPANSION JOINTS AT ALL PC'S, PT'S, FIVE FEET ON EITHER SIDE OF ANY FRAMES, AND AT 45' MAX. INTERVALS.	12" 1" 6" 4" /FT. 3"R 2"R 4
		3/4" PREMOLDED JOINT FILLER OR BITUMINOUS PREMOLDED JOINT FILLER	 2. SAW CUT CONTRACTION JOINTS FULL FACE AND TOP, AT LEAST 2 9" INCHES IN DEPTH AND AT 15' MAXIMUM INTERVALS WITHIN 24 HOURS OF POURING. 3. SEE "EXPANSION JOINT DETAIL" FOR EXPANSION JOINT REQUIREMENTS. 	
ABRIC			4. CURING COMPOUND REQUIRED.	GULAR SECTIO
TYPICAL ROUND INLET FILTER			1" ↓ 12" ⊯ 6" ↓	
ANCE			3"R 3"R 6"	
N OUT AFTER AIN EVENT	PUNCH STOP 2"	2"	9"	
BLE MANUFACTURER'S D BELOW:	GREASED CAP —/ 9" GREASED S	" NOT GREASED #4 DEFORMED STEEL REINFORCING BAR	DOWELS (SE	
& PIPE PROTECTION, erville, IL 60564 847 90		KEINFORGING BAR	4" 11" 4" MECHANICALL	
THON MATERIALS, nfield, IL 60544 3–9493			REVERSE PITCH SECTION	<u>RI</u>
03.15.2016 SKET DETAIL	GEVALT HAMILTON ASSOCIATES, INC.	EXPANSION JOINT DETAIL	GERACEWALT HAMILTON Associates, inc.	
	NOTES: 1. SET 1/2" EXPANSION JOINTS AT POINTS ABUTT CURB OR PAVEMENT AND AT 60' MAX. INTERVA			
	2. CONTROL JOINTS SHALL BE 1/8" TO 1/4" WIDE AND 1/4 OF THE SIDEWALK THICKNESS DEEP. T EDGE OF THE CONTROL JOINTS SHALL BE GIVE 1/4" RADIUS.	НЕ		
	3. SIDEWALK WIDTH AS SHOWN ON PLANS.4. SIDEWALK JOINTS SHALL MATCH CURB CONTROL AND CONSTRUCTION JOINTS.			
		SLOPE AT MAXIMUM S SHOWN ON PLANS 5" PCC SIDEWALK		—— 1.75" HMA SUR —— 2.25" HMA BINI
	4" OF 1/4"-3/4" CRUSHED STONE CA-6- #4 DOWEL BARS @ 24" O.C	95% STANDARD PROCTOR COMPACTION		
- 2	5" PCC SIDEWALK			
	95%			
AR BEDDING 03.15.2016		TOR COMPACTION 3/4" CRUSHED STONE CA-6 10.05.20	21	
PE A	GERACE GEWALT HAMILTON Associates, inc.	PCC SIDEWALK DETAIL	GERAGEWALT HAMILTON Associates, inc.	PAVEME
	DETAILS			
	URPHY ELEMENTARY SCH 2022 Site Improvements	OOL		
	OUND LAKE PARK, ILLINOIS	;	NO. BY DATE REVISION	





.000 ROUND LAKE AREA SCHOOLS CUSD 116\5903.005 WJ MURPHY 2023 SITE IMPROVEMENTS\5903.005-DT.DWG 1/12/2023 9:16 AM

.

GENERAL LIGHTING NOTES:

- 1. WORK SHALL MEAN THE FURNISHING OF ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND OTHER INCIDENTALS NECESSARY OR CONVENIENT TO THE SUCCESSFUL COMPLETION OF THE PROJECT AND CONDUCTING ALL DUTIES AND OBLIGATIONS IMPOSED BY THE CONTRACT. WORK MAY ALSO BE USED IN CONTEXT TO DESCRIBE, IN WHOLE OR IN PART, THE COMPLETED FACILITIES TO BE CONSTRUCTED, ALTERED OR REMOVED, AS DETAILED IN THE CONTRACT. THE ENGINEER WILL HAVE EXCLUSIVE AUTHORITY TO DETERMINE THE INTENT AND MEANING OF THE USAGE OF THIS TERM WHEREVER IT APPEARS IN THE CONTRACT.
- 2. ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE, THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, AND ANY APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, CODES, REGULATIONS, AND ORDINANCES HAVING JURISDICTION OVER THIS WORK. IF DISCREPANCIES EXIST THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER TO DETERMINE THE PROPER COURSE OF ACTION.
- 3. ALL NECESSARY PERMITS, LICENSES, INSPECTIONS, TAXES, AND TESTING COSTS ASSOCIATED WITH THE ELECTRICAL WORK SPECIFIED IN THE CONTRACT DOCUMENTS. SHALL BE INCIDENTAL TO THE CONTRACT AND INCLUDED IN THE BASE BID OR UNIT PRICES OF THE ELECTRICAL PAY ITEMS.
- 4. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL WORK REQUIRED TO INSTALL A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. ALL REQUIRED MATERIALS, EQUIPMENT, TOOLS, LABOR, AND INCIDENTALS, UNLESS OTHERWISE PROVIDED IN THE CONTRACT, SHALL BE INCLUDED IN THE BASE BID OR UNIT PRICES OF THE ELECTRICAL PAY ITEMS FOR THE CONTRACT WORK.
- 5. ALL WORK REQUIRED TO INSTALL THE PROPOSED LIGHTING SYSTEM SHALL BE INCLUDED IN THE BASE BID OR APPLICABLE PAY ITEMS.
- 6. IF THE CONTRACT INCLUDES PAY ITEMS THE QUANTITIES APPEARING IN THE BID SUMMARY/SCHEDULE OF QUANTITIES ARE ESTIMATES PREPARED FOR THE ESTABLISHMENT OF PAY ITEM UNIT PRICES AND THE COMPARISON OF BIDS. PAYMENT TO THE CONTRACTOR WILL BE MADE FOR THE ACTUAL MEASURED QUANTITIES PERFORMED AND ACCEPTED OR MATERIAL FURNISHED AND ACCEPTED ACCORDING TO THE CONTRACT, AND THE SCHEDULED QUANTITIES MAY BE INCREASED, DECREASED, OR OMITTED. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR EXCEED ANY ESTABLISHED PAY ITEM QUANTITY WITHOUT NOTIFICATION TO THE ENGINEER AND RECEIPT OF WRITTEN AUTHORIZATION.
- 7. ALL PAY ITEMS REFER TO IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 8. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS FROM THE DATE OF INITIAL ACCEPTANCE OF THE COMPLETED WORK BY THE OWNER AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE.
- 9. THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AMBIGUITY, OMISSIONS, OR CONFLICTS IN THE PLANS, SPECIFICATIONS, OR OTHER CONTRACT DOCUMENTS PRIOR TO BIDDING. ABSENCE OF ANY NOTIFICATIONS SHALL BE INTERPRETED TO INDICATE THAT THE CONTRACTOR HAS REVIEWED THE CONSTRUCTION DOCUMENTS AND NO DISCREPANCIES OR CONFLICTS EXIST. THEREFORE, AFTER AWARD OF THE ELECTRICAL CONTRACT, NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR ANY WORK INCLUDED IN THE SCOPE OF WORK.
- 10. ANY DEVICES, FIXTURES, ETC. SHOWN ON THE DRAWINGS TO REMAIN, BE REMOVED, OR BE RELOCATED IS ONLY FOR THE CONVENIENCE OF THE BIDDER, AND THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
- 11. IF THE ELECTRICAL CONTRACTOR PROPOSES ALTERNATE EQUIPMENT SELECTIONS, THEY MUST BE LISTED ON THE BID PROPOSAL AS A DEDUCTIVE ALTERNATE. CATALOG CUTS FOR THE PROPOSED ALTERNATE EQUIPMENT SELECTIONS SHALL BE SUBMITTED WITH THE BID PROPOSAL. ALTERNATE EQUIPMENT SELECTIONS WILL NOT BE PERMITTED AFTER AWARD OF CONTRACT.
- 12. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, ALL MATERIALS PERMANENTLY INCORPORATED IN THE WORK SHALL BE NEW.
- 13. UNLESS OTHERWISE INDICATED, ALL MATERIALS AND EQUIPMENT SHALL BEAR THE UL LABEL, OR AN APPROVED EQUIVALENT, WHENEVER SUCH LABELING IS AVAILABLE FOR THE TYPE OF MATERIAL OR EQUIPMENT BEING FURNISHED
- 14. THE ELECTRICAL CONTRACTOR SHALL VERIFY CONFORMANCE OF THE EQUIPMENT PRIOR TO ORDERING. ANY CHANGES REQUIRED TO ACCOMMODATE THE LOAD OR VOLTAGE OF THE ELECTRICAL SYSTEM SHALL BE SPECIFICALLY IDENTIFIED IN THE SHOP DRAWING SUBMITTAL.
- 15. PRIOR TO ORDERING ANY ELECTRICAL EQUIPMENT (CONTROL PANELS, POLES, LUMINAIRES, ETC.), THE ELECTRICAL CONTRACTOR SHALL SUBMIT A COMPLETE SET OF SHOP DRAWINGS FOR ENGINEER REVIEW. SHOP DRAWINGS SHALL CONSIST OF MANUFACTURER'S CATALOG CUTS AND DESCRIPTIVE DATA SHEETS FOR ALL SPECIFIED EQUIPMENT.
- 16. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE ELECTRICAL WORK WITH ALL OTHER TRADES AND MAKE FIELD ADJUSTMENTS AS NECESSARY TO ACCOMMODATE THE PROPOSED INSTALLATION.
- 17. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE INSTALLATION OF ANY COMPONENT OF THE LIGHTING SYSTEM.
- 8. TEST HOLES REQUIRED TO CONFIRM THE DEPTH AND LOCATION OF EXISTING UTILITIES ARE TO BE MADE BY THE CONTRACTOR AT THEIR OWN EXPENSE. RESTORATION AND BACKFILL RELATED TO THESE TEST HOLES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

- 19. PRIOR TO COMMENCEMENT OF CO DIMENSIONS AND CONDITIONS AF CONDITIONS AT THE JOB SITE. IF SHOWN ON THE CONSTRUCTION F SPECIAL DETAILS, THE CONTRACT THE ENGINEER PRIOR TO PROCEE
- 20. THE CONTRACTOR IS RESPONSIBL SAFETY, AND THE SAFETY OF TH SITE.
- 21. ALL WORK, WHETHER OR NOT IT ENGINEER IS THE SOLE RESPONSI WORK, AND THE CONTRACTOR IS CONTRACTUAL, OR LEGAL OBLIGA
- 22. ACCESS TO WORK AREAS, INCLUE APPROVAL OF THE OWNER/LANDI
- 23. THE ELECTRICAL CONTRACTOR SH OPERATIONS RELATED TO DEMOLI FACILITY MANAGER, AS NECESSA
- 24. THE ELECTRICAL CONTRACTOR IS RECEIVING, UNLOADING, STORING, DAMAGE, VANDALISM, THEFT OR EQUIPMENT FURNISHED BY OR TO CONTRACT.
- 25. NO MATERIALS SHALL BE DELIVER AND ALL PERTINENT SUBMITTALS
- 26. THE ELECTRICAL CONTRACTOR SH AND SCHEDULING TO MEET THE I
- 27. THE CONTRACTOR IS RESPONSIBL AREAS. UPON COMPLETION OF TH SHALL REVIEW AND CHECK THE AND UNUSED MATERIAL BACK IN MATERIALS FROM THE JOB SITE.
- 28. THE CONTRACTOR SHALL MARK 1 HANDHOLES, AND RECEPTACLES ENGINEER, PRIOR TO STARTING W
- 29. IF LIGHTS ARE POSITIONED NEAR CONTACT THE LOCAL UTILITY FOR
- THE CONTRACTOR SHALL BE RESI GRADE AND COORDINATING THE F FOUNDATION.
- 31. NO POLES SHALL BE ERECTED U AS APPROVED BY THE ENGINEER
- 32. POLES SHALL NOT BE ERECTED , THE PROPOSED LIGHT POLES WIL LUMINAIRES INSTALLED.
- 33. THE PROPOSED ELECTRICAL PLAN
- 34. ALL CONDUCTORS AND EQUIPMEN PROTECTION. OVERCURRENT PRO LUMINAIRE AND ITS ASSOCIATED I BASE FUSING. ALL POLE BASE F ASSOCIATED LINE/LOAD TERMINAL
- 35. BRANCH CIRCUIT AND EQUIPMENT ENGRAVED PLASTIC NAMEPLATES LETTERS) SCREWED OR RIVETED (DISCONNECT SWITCHES, CONTRO IDENTIFICATION TAG OF THE EQUI CONTROL EQUIPMENT INDICATE TI THE EQUIPMENT. PROVIDE PERMA (RECEPTACLES, SWITCHES, LIGHT CIRCUIT NUMBER SERVING THE D INDICATED ON THE INSIDE OF TH
- 36. CONCRETE FOUNDATIONS SHALL I GRADE, AND SHALL EXTEND DEEF CONSTRUCTION. THE UNDERGROU FROM THE FOUNDATION AT 2.5 F RE-USED AS SPECIFIED IN THE (
- 37. ALL SUSPENDED CONDUITS SHALL STRUCTURE BY MEANS OF APPRO SUPPORTS, CLAMPS, ETC., FIRML' INTERVALS NOT TO EXCEED 10 F SUPPORTED OR ATTACHED TO CE "BOLT-ON" TYPE GALVANIZED ST AREAS. SNAP-ON METAL CLIPS SUPPORTED ABOVE THE SUSPEND DEVICES/EQUIPMENT UTILIZED FO FOR THE USE.



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E FOR METHODS OF CONSTRUCTION, JOB SITE IE GENERAL PUBLIC IN AND NEAR THE PROJECT

WAS INSPECTED BY THE VILLAGE, OWNER, OR IBILITY OF THE CONTRACTOR COMPLETING THE IN NO WAY RELIEVED OF ANY SAFETY, TIONS.

DING SCHEDULED WORK, MUST HAVE PRIOR LORD AND TENANT.

HALL COORDINATE THE ELECTRICAL CONTROLLER TION AND INSTALLATION WITH THE OWNER OR RY.

RESPONSIBLE FOR THE SCHEDULING OF DELIVERY, UNPACKING, STACKING, AND PROTECTING FROM WEATHER DURING CONSTRUCTION OF ALL THE ELECTRICAL CONTRACTOR FOR THIS

RED TO THE JOB SITE UNTIL A STORAGE LOCATION HAVE BEEN APPROVED BY THE ENGINEER.

HALL COORDINATE ALL SUBMITTALS, DELIVERIES, PROJECT COMPLETION DATES.

E FOR MAINTAINING CLEAN AND ORDERLY WORK HE WORK DAY THE ELECTRICAL CONTRACTOR DAYS WORK, CLEANUP DEBRIS, PUT EQUIPMENT APPROVED STAGING AREA, AND REMOVE SURPLUS

THE PROPOSED LOCATIONS OF ALL LIGHT POLES, FOR VERIFICATION AND APPROVAL BY THE VORK.

OVERHEAD UTILITIES, THE CONTRACTOR SHALL R LOCATION APPROVAL.

SPONSIBLE FOR THE ESTABLISHMENT OF FINISHED FINISHED GRADE ELEVATION WITH THE TOP OF THE

NTIL THE RESPECTIVE FOUNDATIONS HAVE CURED,

AND LEFT TO STAND WITHOUT LUMINAIRES, AND L NOT BE CONSIDERED COMPLETE WITHOUT THE

N SHALL BE A PROPERLY GROUNDED AC SYSTEM

IT SHALL HAVE PROPER OVERCURRENT DTECTION SHALL BE PROVIDED FOR EACH BRANCH CIRCUIT THROUGH THE USE OF POLE FUSES SHALL BE COPPER BUSSMANN, SIZED FOR L CONNECTIONS.

T IDENTIFICATION: FURNISH AND INSTALL (BLACK FACE WITH MINIMUM OF 1/2" HIGH WHITE TO THE COVER OF ALL CONTROL EQUIPMENT L CABINETS, STARTERS, ETC.) INDICATING THE IPMENT SERVED. ON THE INSIDE COVER OF THE HE PANEL AND BRANCH CIRCUIT NUMBER SERVING NENT IDENTIFICATION ON ALL DEVICES POLES, ETC.) INDICATING THE PANEL AND BRANCH EVICE, THE BRANCH CIRCUIT NUMBER SHALL BE E DEVICE COVER PLATE.

BE REMOVED TO A MINIMUM OF 2 FT BELOW PER WHERE REQUIRED TO FACILITATE PROPOSED ND CONDUIT AND CABLES SHALL BE SEPARATED FT BELOW GRADE AND ABANDONED, REMOVED, OR CONTRACT DOCUMENTS.

BE RIGIDLY SUPPORTED FROM THE BUILDING OVED CONDUIT FASTENERS, HANGERS, STRAPS, Y ANCHORED IN PLACE AND SPACED AT T. ELECTRICAL RACEWAYS ARE NOT TO BE EILING. THE SUPPORT EQUIPMENT SHALL BE TEEL FOR EXPOSED CONSTRUCTION AND IN WET IN METAL PARTITION WALLS AND INDEPENDENTLY DED CEILINGS WILL BE PERMITTED. ALL R THE SUPPORT OF CONDUIT SHALL BE UL LISTED 38. ALL INTERIOR CONDUIT RACEWAYS SHALL BE CONCEALED IN OR WITHIN THE: WALL, CEILING CAVITY, SLAB, GRADE, ETC., UNLESS NOTED OTHERWISE ON THE PLANS. ALL INTERIOR RACEWAYS ARE TO BE ROUTED OVERHEAD UNLESS INDICATED OTHERWISE ON THE PLANS. RACEWAYS ARE TO BE INSTALLED IN THE METHOD INDICATED ON THE ELECTRICAL PLANS, ANY DEVIATION TO THE PLAN OR FOR A PROPOSED RACEWAY TO BE ROUTED EXPOSED THROUGH A FINISHED AREA SHALL BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO THE INSTALLATION. ALL CONDUIT SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO WALLS AND STRUCTURAL MEMBERS, EVEN WHERE INSTALLED ABOVE A CONCEALED CEILING, WITH 90-DEGREE BENDS WHERE REQUIRED, AND SHALL BE RACKED.

39. NO INTERIOR CONDUITS SHALL BE ROUTED THROUGH OR IN H.V.A.C. DUCTS.

- 40. ALL JUNCTION OR PULL BOXES LOCATED ABOVE SUSPENDED CEILINGS SHALL BE MOUNTED A MINIMUM OF 12" ABOVE THE CEILING IN AN ACCESSIBLE LOCATION. ALL JUNCTION OR PULL BOXES EXPOSED TO WET, DAMP, OR OUTDOOR CONDITIONS SHALL BE CAST METAL TYPE WITH GASKETED COVERS.
- 41. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL SLEEVES FOR ALL INTERIOR CONDUIT PENETRATIONS THRU BLOCK OR CONCRETE WALLS, FOUNDATION WALLS OR CONCRETE FLOORS. FIREPROOF ALL OPENINGS AND PENETRATIONS CREATED BETWEEN FLOORS AND/OR ANY INTERIOR FIRE SEPARATION BLOCK WALLS FOR ELECTRICAL EQUIPMENT USE WITH AN ENGINEER APPROVED UL LISTED FIRE RETARDANT MATERIAL.
- 42. NO HOLES OR RECESSIONS MAY BE CUT IN WALLS, FLOORS, CEILINGS, OR ANY PART OF THE BUILDING FOR WORK UNDER THIS CONTRACT WITHOUT PRIOR APPROVAL BY THE OWNER. WORK SHALL BE PERFORMED BY A COMPETENT MECHANIC SKILLED IN THIS FIELD. ALL CUTTING SHALL BE DONE WET TO MINIMIZE THE SPREAD OF DUST, AND THE CONTRACTOR SHALL PROVIDE DUST PROTECTION AS REQUIRED BY THE OWNER. THE PORTIONS CUT FOR ACCESS MUST BE RESTORED TO THEIR ORIGINAL CONDITION AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR.
- 43. THE ELECTRICAL CONTRACTOR SHALL WATERPROOF ALL OPENINGS AND PENETRATIONS CREATED THROUGH FOUNDATION AND EXTERIOR WALLS WITH AN ENGINEER APPROVED WATERPROOF MATERIAL.
- 4. UPON COMPLETION OF THE PERMANENT LIGHTING SYSTEM, THE ELECTRICAL CONTRACTOR SHALL REQUEST IN WRITING A PREFINAL INSPECTION TO GENERATE A PUNCH LIST. THE ELECTRICAL CONTRACTOR SHALL MAKE CORRECTIONS, AS REQUIRED, AND A FINAL INSPECTION SHALL BE PERFORMED. IF ANY PUNCH LIST ITEMS ARE FOUND NOT TO BE CORRECTED TO THE SATISFACTION OF THE OWNER AND ENGINEER, A REVISED PUNCH LIST WILL BE GENERATED AND ANOTHER FINAL INSPECTION WILL BE PERFORMED UPON COMPLETION OF THE PUNCH LIST ITEMS. IF PUNCH LIST ITEMS ARE STILL NOT COMPLETED AND ADDITIONAL INSPECTIONS ARE REQUIRED BY THE ENGINEER, THE ELECTRICAL CONTRACTOR WILL BE INVOICED ON A TIME AND MATERIALS BASIS UNTIL ALL PUNCH LIST ITEMS ARE CORRECTED TO THE SATISFACTION OF THE OWNER.
- 5. THE PROPOSED LIGHTING SYSTEM SHALL BE TESTED ACCORDING TO ART. 801.13 OF THE STANDARD SPECIFICATIONS, PRIOR TO THE FINAL INSPECTION. THE ELECTRICAL CABLES SHALL BE MEG TESTED PRIOR TO CONNECTING THE LED LUMINAIRES.
- 46. THE ELECTRICAL CONTRACTOR SHALL FURNISH THREE (3) SETS OF CONTRACT RECORD PORTFOLIOS TO THE ENGINEER BEFORE FINAL PAYMENT WILL BE ISSUED. THE CONTRACT RECORD PORTFOLIO SHALL CONTAIN; CONTRACT RECORD DRAWINGS; SHOP DRAWINGS; COMPLETE OPERATING INSTRUCTIONS; ANY EQUIPMENT DRAWINGS INDICATING PART NUMBERS; MAINTENANCE MANUALS; WIRING DIAGRAMS; TESTING DATA; ETC., FOR ALL ITEMS OF EQUIPMENT AND DEVICES FURNISHED UNDER THIS CONTRACT.
- 47. EXISTING ITEMS (CURBS, LANDSCAPING, SIDEWALKS, FENCING, ETC.) DISTURBED BY THE ELECTRICAL INSTALLATION BEYOND THE LIMITS OF THE SITE CONSTRUCTION, SHALL BE RESTORED TO THEIR LIKE NEW CONDITION BY THE ELECTRICAL CONTRACTOR TO THE SATISFACTION OF THE OWNER, AT THE EXPENSE OF THE CONTRACTOR.
- 48. ALL RACEWAYS WHICH EXTEND OUTSIDE OF A STRUCTURE OR DUCT BANK BUT ARE NOT TERMINATED IN A CABINET, JUNCTION BOX, PULL BOX, HANDHOLE, POST, POLE, OR PEDESTAL SHALL EXTEND A MINIMUM OR 12" (OR THE LENGTH SHOWN ON THE PLANS) BEYOND THE STRUCTURE OR DUCT BANK. THE END OF THIS EXTENSION SHALL BE CAPPED AND SEALED WITH A CAP DESIGNED FOR THE CONDUIT TO BE CAPPED. THE ENDS OF RIGID METAL CONDUIT TO BE CAPPED SHALL BE THREADED, THE THREADS PROTECTED WITH FULL GALVANIZING, AND CAPPED WITH A THREADED GALVANIZED STEEL CAP. THE ENDS OF RIGID NONMETALLIC CONDUIT AND COILABLE NONMETALLIC CONDUIT SHALL BE CAPPED WITH A RIGID PVC CAP OF NOT LESS THAN 3 MM (0.125") THICK. THE CAP SHALL BE SEALED TO THE CONDUIT USING A ROOM-TEMPERATURE-VULCANIZING (RTV) SEALANT COMPATIBLE WITH THE MATERIAL OF BOTH THE CAP AND THE CONDUIT. A WASHER OR SIMILAR METAL RING SHALL BE GLUED TO THE INSIDE CENTER OF THE CAP WITH EPOXY, AND THE PULL CORD SHALL BE TIED TO THIS RING

49. CONDUIT REQUIREMENTS:

49.1. ALL CONDUIT PROVIDED BY THIS CONTRACT SHALL CONFORM TO SECTION 1088.01 OF IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

49.2. ALL UNDERGROUND CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30 INCHES UNLESS OTHERWISE INDICATED.

49.3. CONDUIT SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES.

49.4. CHANGES IN DIRECTION SHALL BE ACCOMPLISHED BY UNIFORMLY BENDING THE CONDUIT TO FIT THE RADIUS, OR STANDARD FITTINGS MAY BE USED.

GENERAL LIGHTING NOTES					FILE:5903.005-EL.dv	wg	SHEET NUMBER:
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WJ MURPHY ELEMENTARY SCHOOL					DATE: 01–13–23	5903.005 ["]	
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ROUND LAKE PARK, ILLINOIS	NO. BY DATE	REVISION	NO. BY DATE	REVISION	DATE: 01–13–23		OF E4 SHEETS
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49.5. ALL BENDS MUST BE MADE WITH A STANDARD PIPE BENDER.

49.6.IF THE CONDUIT IS CUT, IT SHALL BE CUT SQUARE, REAMED, AND CLEANED TO REMOVE ALL BURRS AND CUTTINGS. WHEN NECESSARY THE PIPE SHALL BE RE-THREADED.

49.7. ALL CONDUIT AND FITTINGS SHALL HAVE THE BURRS AND ROUGH PLACES SMOOTHED AND ALL CONDUIT RUNS SHALL BE CLEANED AND SWABBED BEFORE CABLES OR DUCT ARE INSTALLED.

50. CABLE REQUIREMENTS:

50.1. THE UNDERGROUND CABLE SIZED NO. 2 AWG AND SMALLER SHALL BE U.L. LISTED TYPE RHH/RHW AND MAY BE TYPE RHH/RHW/USE. CABLE SIZED LARGER THAN NO. 2 AWG SHALL BE U.L. LISTED TYPE RHH/RHW/USE

50.2. THE ABOVE GROUND CABLE, LOCATED INSIDE BUILDINGS AND NOT SUBJECT TO MOISTURE, SHALL BE UL LISTED TYPE THHN.

50.3. THE CABLE SHALL BE RATED 600 VOLTS.

50.4. THE CABLE SHALL BE RATED AT A MINIMUM OF 90 C DRY AND 75 C WET AND SHALL BE SUITABLE FOR INSTALLATION IN WET AND DRY LOCATIONS, AND SHALL BE RESISTANT TO OILS AND CHEMICALS.

50.5.COATED CONDUCTORS SHALL BE ACCORDING TO ASTM B 33, ASTM B 8, ICEA S-95-658/NEMA WC70 AND UL STANDARD 44.

50.6. CABLE INSULATION DESIGNATED AS XLP SHALL INCORPORATE CROSS-LINKED POLYETHYLENE (XLP) INSULATION AS SPECIFIED AND SHALL MEET OR EXCEED THE REQUIREMENTS OF ICEA S-95-658, NEMA WC70, AND U.L. STANDARD 44

50.7. THE UL LISTING MARK, CABLE VOLTAGE, INSULATION TYPE AND RATINGS, AS WELL AS THE CABLE SIZE SHALL ALL BE CLEARLY PRINTED ON THE CABLE IN A COLOR CONTRASTING WITH THE INSULATION COLOR.

50.8. ALL ELECTRIC CABLES INSTALLED SHALL BE COLOR CODED.

50.9. EACH WIRE INSTALLED SHALL BE IDENTIFIED WITH ITS COMPLETE CIRCUIT NUMBER AT EACH TERMINATION, SPLICE, JUNCTION BOX OR OTHER LOCATION WHERE THE WIRE IS ACCESSIBLE.

50.10. THE CABLE IDENTIFICATION LABELS SHALL BE WEATHER AND UV RESISTANT.

50.11. WIRING IDENTIFICATION MARKERS SHALL BE EITHER CLOTH TAPE OR CLIP-ON. CLOTH TAPE WIRE MARKERS IDENTIFICATION SHALL BE MADE USING SELF-STICKING WIRE MARKERS, WRAPPED AROUND THE WIRE. THE MARKERS SHALL HAVE BLACK CHARACTERS NOT LESS THAN 5/16 IN. HIGH ON A WHITE OR YELLOW BACKGROUND. MARKERS SHALL BE IN STRIPS NOT LESS THAN 1 1/2 IN. LONG AND SHALL BE MADE OF A HIGH-TACK CLOTH TAPE WITH PRINTING PROTECTED BY A CLEAR, PERMANENT OVERCOATING. CLIP-ON WIRE MARKERS SHALL BE WHITE WITH BLACK LETTERING. THE PROPER SIZE OF WIRE MARKERS SHALL BE USED TO PREVENT SLIPPING OF THE MARKERS ON THE CABLE.

50.12. POLE WIRE SHALL RUN FROM HANDHOLE TO LUMINAIRE.

50.13. POLE WIRE SHALL BE SIZED NO. 10, RATED 600 V, RHW/USE-2, AND HAVE COPPER CONDUCTORS, STRANDED IN CONFORMANCE WITH ASTM B 8. POLE WIRE SHALL BE INSULATED WITH CROSS-LINKED POLYETHYLENE (XLP) INSULATION.

50.14. ALL CABLE RUNS SHALL BE INSTALLED WITHOUT UNDERGROUND SPLICES OR JUNCTION BOX, UNLESS OTHERWISE INDICATED ON THE PLANS. UNDERGROUND SPLICING OF CABLES WILL NOT BE PERMITTED.

51. GROUNDING REQUIREMENTS:

51.1. ALL FOUNDATIONS SHALL BE EQUIPPED WITH A GROUNDING ROD.

51.2. GROUNDING CONNECTIONS AT THE FOUNDATIONS SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.

51.3. THE EQUIPMENT GROUNDING CONDUCTOR (GREEN WIRE) SHALL BE INSULATED.

51.4. THE GROUNDING CONDUCTOR SHALL EXTEND CONTINUOUSLY WITH ALL CIRCUIT CONDUCTORS, AND SHALL BE BONDED TO THE SYSTEM GROUND AT THE CONTROL PANEL.

51.5. THE GROUNDING CONDUCTOR SHALL BE SPLICED AND BONDED AT EACH POLE.

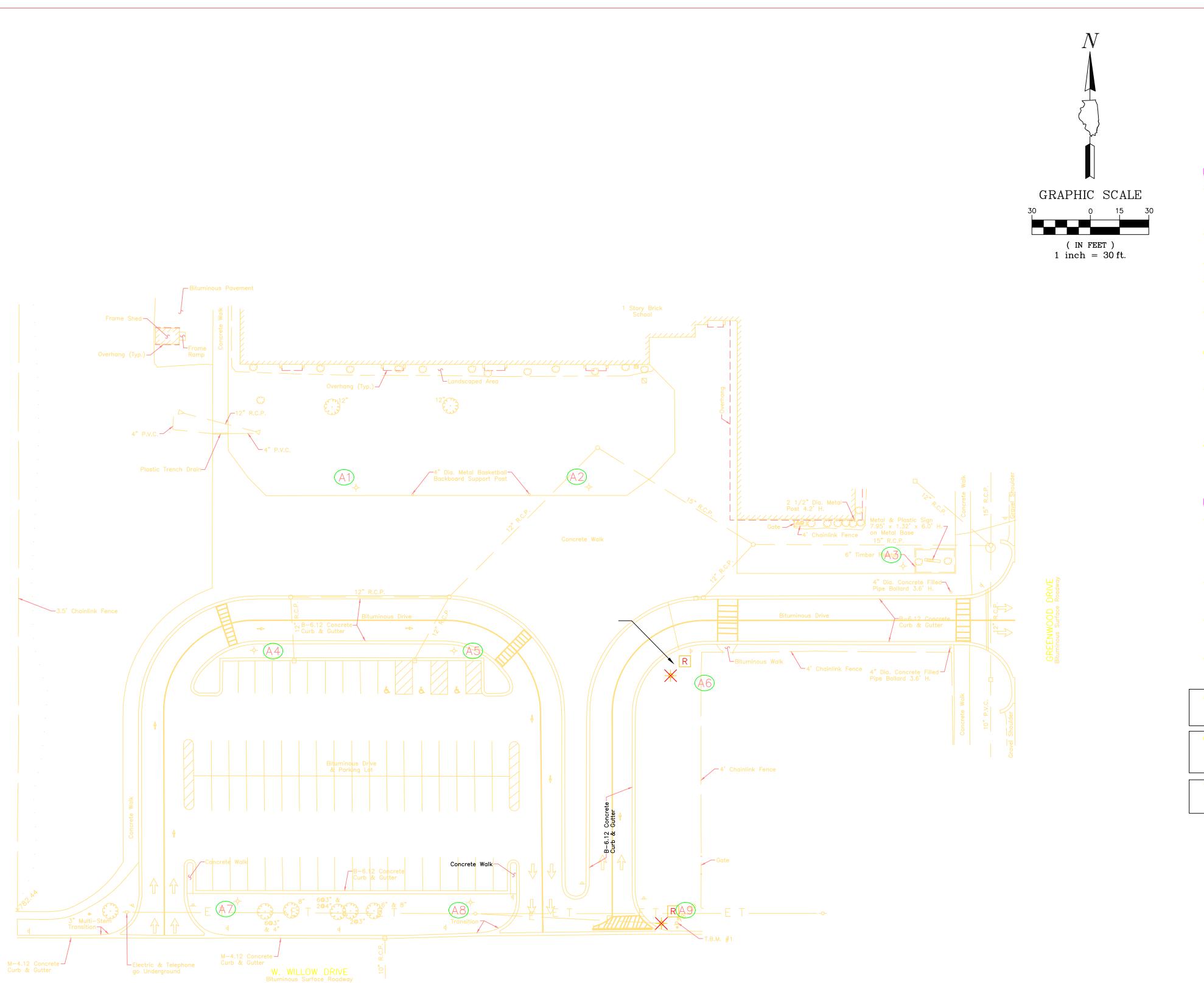
52. RECEPTACLE REQUIREMENTS:

52.1. GROUND FAULT DUPLEX, 125 VOLT, 20 AMP, 3 WIRE GROUNDING TYPE, IMPACT RESISTANT THERMOPLASTIC FACE, STRAIGHT BLADE, N.E.M.A. TYPE 5–20R, TEST AND RESET BUTTONS IN FACE, AND UL LISTED.

52.2. THE COVER SHALL MEET THE FOLLOWING SPECIFICATIONS: WEATHERPROOF, NEMA 3R RATED WHILE IN USE, NON-LOCKING, STANDARD DEPTH, VERTICAL MOUNT, FEDERAL SPECIFICATION AND U.L. LISTED, AND 2003 U.L. 943 COMPLIANT, COLOR TO MATCH POLE.

52.3. RECEPTACLES THAT ARE INDICATED FOR G.F.I. PROTECTION SHALL PROTECT THE RECEPTACLE INDICATED ONLY.

53. ELECTRICAL TAPE SHALL BE ALL WEATHER VINYL PLASTIC TAPE RESISTANT TO ABRASION, PUNCTURE, FLAME, OIL, ACIDS, ALKALIS, AND WEATHERING, CONFORMING TO FEDERAL SPECIFICATION MIL-I-24391, ASTM D1000 AND SHALL BE LISTED UNDER UL 510 STANDARD. THICKNESS SHALL NOT BE LESS THAN 0.215 MM (8.5 MILS) AND WIDTH SHALL NOT BE LESS THAN 20 MM (3/4-INCH)."





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ISTING /DEMOLITION LICHTING DIAN					FILE:5903.005-EL.dwg	SHEET NUMBER:
ISTING/DEMOLITION LIGHTING PLAN					DRAWN BY: GHA GHA PROJECT	
WJ MURPHY ELEMENTARY SCHOOL					DATE: 01–13–23 5903.005	
2023 SITE IMPROVEMENTS						
					CHECKED BY: GLP SCALE:	
ROUND LAKE PARK, ILLINOIS	NO. BY DATE	REVISION	NO. BY DATE	REVISION	DATE: 01-13-23 1"=30'	OF E4 SHEETS

EXISTING LIGHTING NOTES:

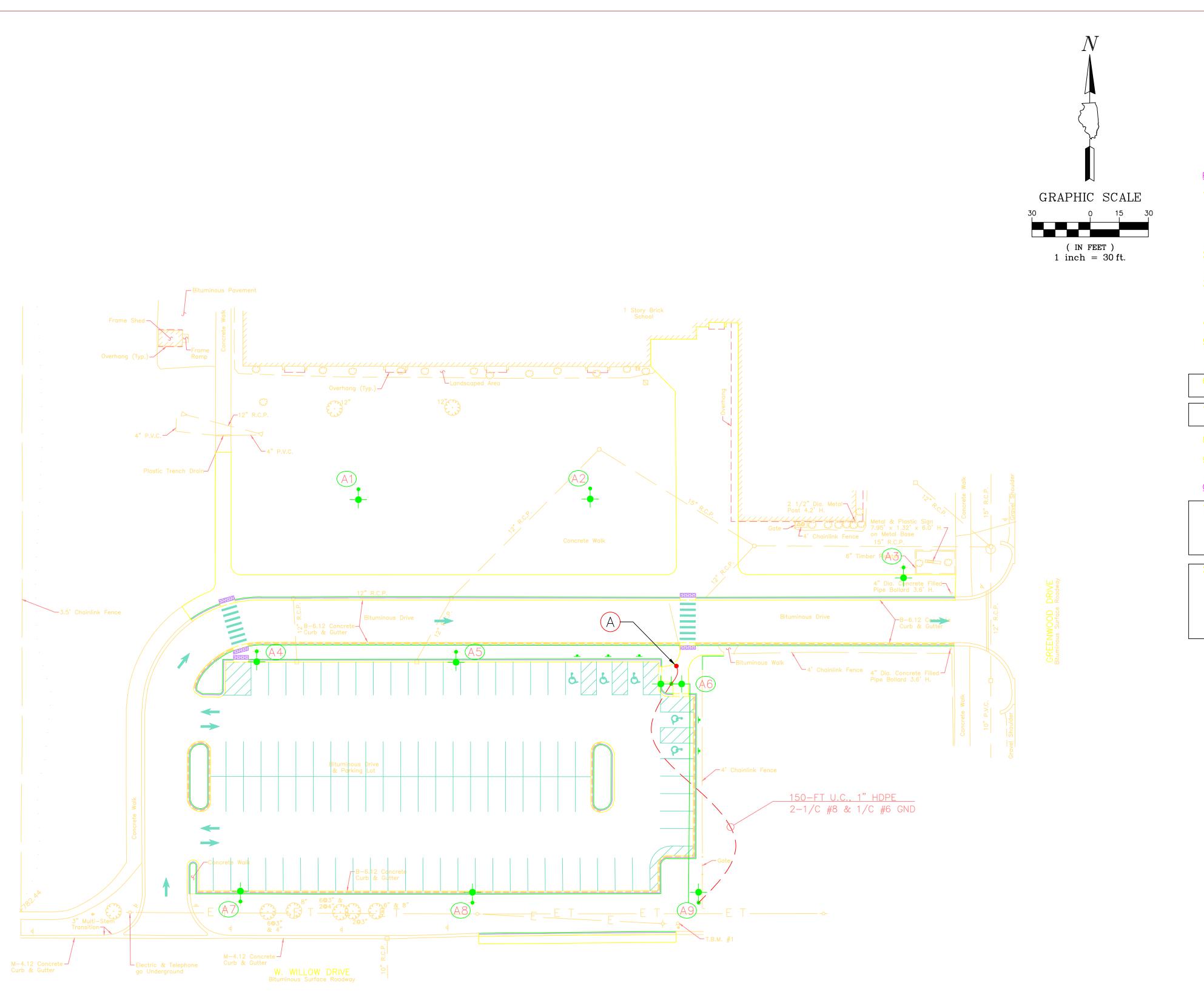
- . THE PANELBOARD POWERING THE SITE LIGHTING AND OUTLETS IS A 42 SPACE SIEMENS (S1C42ML250CTS), 208Y/120V, 3-PHASE, 4-WIRE, WITH A 150AMP MAIN. LABELED 'B/A' WITHIN THE ELECTRICAL ROOM.
- 2. THE LIGHTING CIRCUITS ARE CONNECTED TO ONE OF THREE SIEMENS 6-POLE CONTACTORS (A, B, & C) OPERATED BY A TIME CLOCK.
- 3. PARKING LOT LIGHTING ARE CONTROLLED BY A TORK T930L TIME CLOCK.
- 4. LIGHTING CONTROLS AND PANELBOARD ARE LOCATED INSIDE BUILDINGS ELECTRICAL EQUIPMENT ROOM.
- THE EXISTING PARKING LOT LIGHT FIXTURES ARE SHOEBOX STYLE AREA LUMINAIRES, 175W METAL HALIDE, TYPE 3 DISTRIBUTION, WITH MULTI-TAP BALLASTS (208V SYSTEM). (LUMARK: MHHR-R3-175-MT-0A1062-LL)
- 5. THE EXISTING PARKING LOT LIGHT POLES ARE 15-FT SQUARE STRAIGHT STEEL (SSS). THE WALL THICKNESS IS 0.12, 4"POLE WIDTH, WITH A 10.5" SQUARE BASE COVER. (LUMARK: SSS4A15SF)
- 7. EXISTING CONCRETE FOUNDATIONS ARE 24"DIA. X 80"DEEP, WITH A DESIGNED EXPOSURE HEIGHT OF 7". THEY INCLUDE 4-5/8"DIA. VERTICAL REINFORCING BARS, A 5/8"X 10' COPPER CLAD GROUNDING ROD, 4 ANCHOR BOLTS (PER THE MANUFACTURERS SPECIFICATIONS FOR THE EXISTING LIGHT POLES), AND PVC RACEWAYS (SIZED TO MATCH THE UNDERGROUND CONDUIT).
- 3. THE PANELBOARD POWERING THE SITE LIGHTING AND OUTLETS IS A 42 SPACE SIEMENS (S1C42ML250CTS), 208Y/120V, 3-PHASE, 4-WIRE, WITH A 225AMP MAIN. LABELED 'B/A' WITHIN THE ELECTRICAL ROOM.

DEMOLITION NOTES:

- . THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, CONNECTIVITY OF THE EXISTING LIGHTS, AND LOCATE EXISTING UTILITIES PRIOR TO ORDERING ANY MATERIAL OR STARTING WORK. IF ANY CONFLICTS EXIST WITH THE PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER, AND ANY ADJUSTMENT MADE TO THE PROPOSED LIGHT POLE LOCATIONS AS A RESULT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL COORDINATE WITH THE FACILITY MANAGER FOR THE EXACT LOCATIONS OF THE ELECTRICAL EQUIPMENT ROOM, ELECTRICAL PANELS, AND THE SITE LIGHTING CONTROLS.
- 5. THE EXISTING UNDERGROUND CONDUIT ARE APPROXIMATIONS BASED ON ORIGINAL CONSTRUCTION PLANS. THE EXACT ROUTING, LOCATIONS, AND SPECIFICATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING WORK
- 4. TO COMPLETE THE DEMOLITION WORK, THE CONTRACTOR SHALL REMOVE, MODIFY, OR ABANDON THE EXISTING LIGHTING SYSTEM AS REQUIRED TO COMPLETE THE PROPOSED LIGHTING IMPROVEMENTS.
- 5. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE WHAT EQUIPMENT SHALL BE SALVAGED. ANY EQUIPMENT THAT ISN'T SALVAGED, SHALL BECOME PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE JOBSITE WITHIN THREE (3) WORKING DAYS.
- 5. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING SYSTEM AND ALL LIGHTS SHALL REMAIN OPERATIONAL UNTIL THEY INTERFERE WITH THE PROPOSED IMPROVEMENTS. ONCE A CONFLICT EXISTS, THE CONTRACTOR SHALL DISCONNECT AND REMOVE THE LIGHTING AS
- 7. THE REMOVAL OF ELECTRICAL CABLE AND CONDUIT, NECESSARY TO REESTABLISH CONNECTIONS, SHALL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED IN THE CONTRACT LINIT PRICE OF THE APPLICABLE PAY ITEMS

LEGEND - \times R EXISTING LIGHTING UNIT, TO REMOVE EXISTING STREET LIGHT CONDUIT, TO ABANDON IN PLACE X EXISTING HANDHOLE, REMOVE AND RELOCATE CKT B/A-# CKT B/A-# – DENOTES ELECTRICAL PANEL AND CIRCUIT BREAKER CONTACTOR 'A' CONTACTOR 'A' - DENOTES LIGHTING CONTACTOR ID EXISTING 'A#' EXISTING 'A#' - DENOTED EXISTING/PROPOSED & FIXTURE NUMBER ON GIVEN CIRCUIT EXISTING FLOOD LIGHT, TO REMAIN \Leftrightarrow ۲ EXISTING BOLLARD, TO REMAIN

EXISTING STREET LIGHT CONDUIT, TO REMAIN





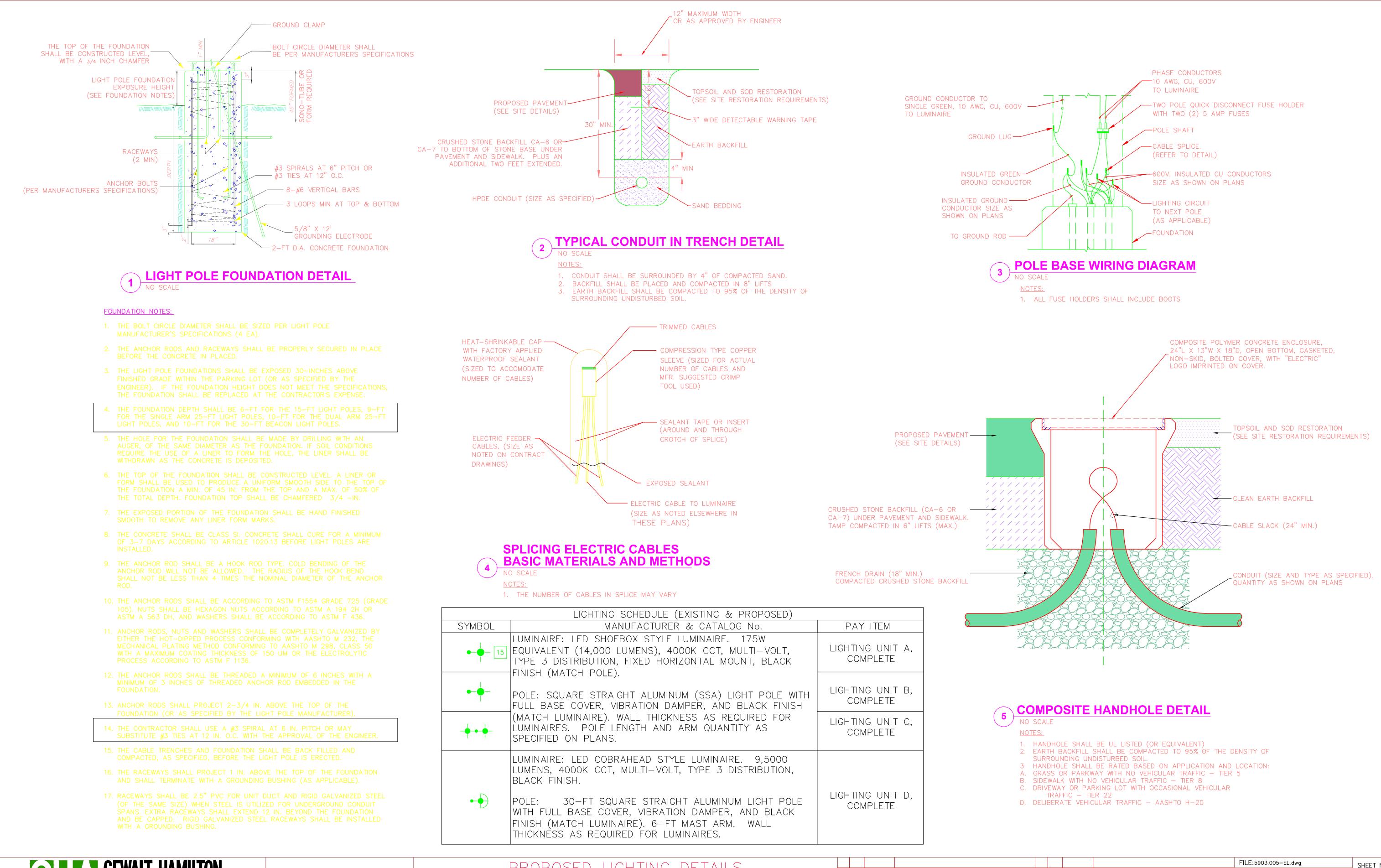
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PROPOSED LIGHTING PLAN					
WJ MURPHY ELEMENTARY SCHOOL					
2023 SITE IMPROVEMENTS					
ROUND LAKE PARK, ILLINOIS	NO.	ΒY	DATE	REVISION	N0.

<u>PLAN NOTES:</u>

	DUN	A HON O											
	. LIGHT POLES SHALL BE LABELED (#)(VOLTAGE)(WATTAGE)(PANEL-CIRCUIT).												
	. LABELS SHALL BE PLACED ON THE BACKSIDE OF THE ACCESS PANEL OF THE LIGHT POLE.												
<u>201</u>	CONSTRUCTION NOTES:												
۱.	THE CONTRACTOR SHALL INSTALL A NEW RECEPTACLE ON LIGHT POLE 'B3'. THE POLE SHALL INCLUDE AN INTEGRATED FESTOON BOX, MANUFACTURED WITH THE POLE AND PAINTED BLACK TO MATCH. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PROPOSED LIGHTING UNIT. (REFER TO RECEPTACLE REQUIREMENTS IN GENERAL LIGHTING NOTES FOR MORE DETAILS)												
2.	. TO RECONNECT THE PROPOSED LIGHT POLES TO THE EXISTING ELECTRICAL SYSTEM (INCLUDING THE EXISTING BOLLARDS AND FLOOD LIGHTS), THE CONTRACTOR SHALL SPLICE A NEW SECTION OF CONDUIT TO THE EXISTING UNDERGROUND CONDUIT (MATCH SIZE AND MATERIAL), AND REMOVE AND REPLACE THE EXISTING ELECTRICAL CABLE WITHIN THE CONDUIT TO THE NEAREST JUNCTION POINT. (IF THERE IS ADEQUATE SLACK THE CONTRACTOR CAN REUSE THE EXISTING CABLE WITH THE APPROVAL OF THE ENGINEER). ALL COSTS TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES OF THE APPLICABLE PAY ITEMS.												
					T								
			••	PROPOSED PARKING LOT LIGH 25-FT SQUARE STRAIGHT STE SINGLE ARM ARRANGEMENT LED LUMINAIRE, 208V (PHASE	EL LIGHT POLE								
			• -• - 15	PROPOSED PARKING LOT LIGH 15-FT SQUARE STRAIGHT STE SINGLE ARM ARRANGEMENT LED LUMINAIRE, 208V (PHASE	EL LIGHT POLE								
			- + + + -	PROPOSED PARKING LOT LIGH 25-FT SQUARE STRAIGHT STE DUAL ARM ARRANGEMENT LED LUMINAIRES, 208V (PHASI	EL LIGHT POLE								
			•••	PROPOSED BEACON LIGHT 30-FT SQUARE STRAIGHT STE SINGLE ARM ARRANGEMENT LED LUMINAIRE, 208V (PHASE									
			CKT B/A-# CONTACTOR 'A' PROPOSED 'A#'	CKT B/A-# - DENOTES ELEC CONTACTOR 'A' - DENOTES LI PROPOSED 'A#' - DENOTED E	IGHTING CONTACTOR ID		SIRCUIT						
				UNDERGROUND CONDUIT, 1" U 2-1/C #8 AWG PHASE & 1/C 600V (TYPE XLP-RHW). (OR A 2.5" GRC SLEEVE AT ALL CRC	: #8 GROUND CONDUCTORS AS SPECIFIED)	,							
				PROPOSED/RELOCATED HANDH (SIZE AS SPECIFIED)	łole								
			₀-∲-	EXISTING PARKING LOT LIGHT,	TO REMAIN								
					FILE:5903.005-EL.d	мд	SHEET NUMBER:						
					DRAWN BY: GHA DATE: 01-13-23	GHA PROJECT # 5903.005	F.3						
NO.	BY	DATE	REV	/ISION	CHECKED BY: GLP DATE: 01-13-23	SCALE: 1"=30'	OF E4 SHEETS						



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	LIGHTING SCHEDULE (EXISTING & PROPOSED)		
OL	MANUFACTURER & CATALOG No.	PAY ITEM	
- 15	LUMINAIRE: LED SHOEBOX STYLE LUMINAIRE. 175W EQUIVALENT (14,000 LUMENS), 4000K CCT, MULTI-VOLT, TYPE 3 DISTRIBUTION, FIXED HORIZONTAL MOUNT, BLACK FINISH (MATCH POLE).	LIGHTING UNIT / COMPLETE	Α,
)—	POLE: SQUARE STRAIGHT ALUMINUM (SSA) LIGHT POLE WITH FULL BASE COVER, VIBRATION DAMPER, AND BLACK FINISH	LIGHTING UNIT E Complete	В,
-	(MATCH LUMINAIRE). WALL THICKNESS AS REQUIRED FOR LUMINAIRES. POLE LENGTH AND ARM QUANTITY AS SPECIFIED ON PLANS.	LIGHTING UNIT (COMPLETE	С,
	LUMINAIRE: LED COBRAHEAD STYLE LUMINAIRE. 9,5000 LUMENS, 4000K CCT, MULTI-VOLT, TYPE 3 DISTRIBUTION, BLACK FINISH.		
)	POLE: 30-FT SQUARE STRAIGHT ALUMINUM LIGHT POLE WITH FULL BASE COVER, VIBRATION DAMPER, AND BLACK FINISH (MATCH LUMINAIRE). 6-FT MAST ARM. WALL THICKNESS AS REQUIRED FOR LUMINAIRES.	LIGHTING UNIT [COMPLETE	D,
	1	1]
	DDADACED LICUTING DETAILS		

PROPOSED LIGHTING DETAILS					
PROPOSED LIGHTING DETAILS					
WJ MURPHY ELEMENTARY SCHOOL					
					[
2023 SITE IMPROVEMENTS					
ROUND LAKE PARK, ILLINOIS	NO.	ΒY	DATE	REVISION	NC
	-			-	

				FILE:5903.005-EL.dwg		SHEET NUMBER:
				DRAWN BY: GHA DATE: 01–13–23	"	F4
NO.	BY	DATE	REVISION	CHECKED BY: GLP DATE: 01-13-23		OF E4 SHEETS