OLIVE-MARY STITT SCHOOL BUILDING ADDITION AND RENOVATIONS

303 E OLIVE STREET ARLINGTON HEIGHTS, ILLINOIS 60004

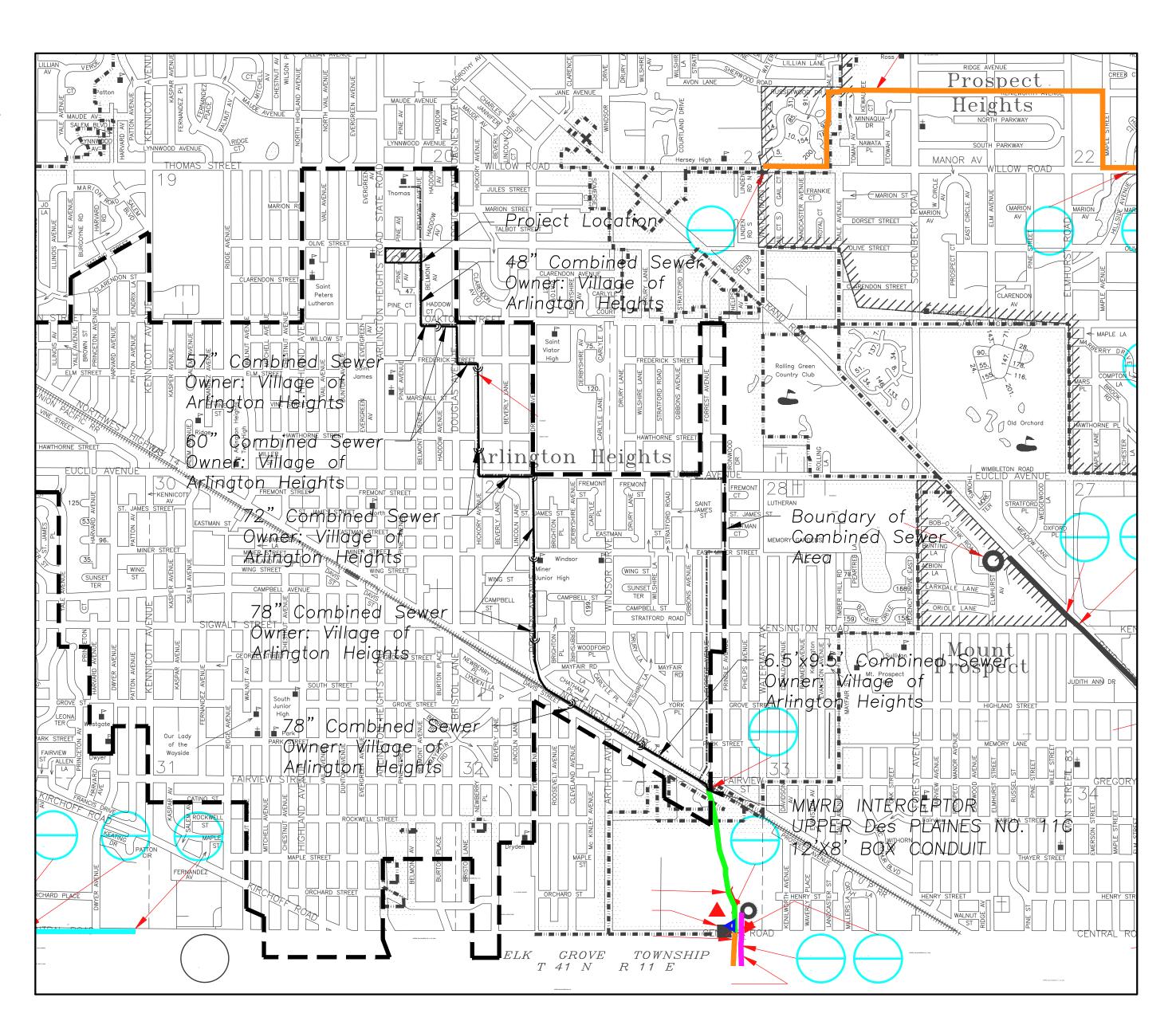
Contact the Metropolitan Water Reclamation District of Greater Chicago <u>2 days</u>

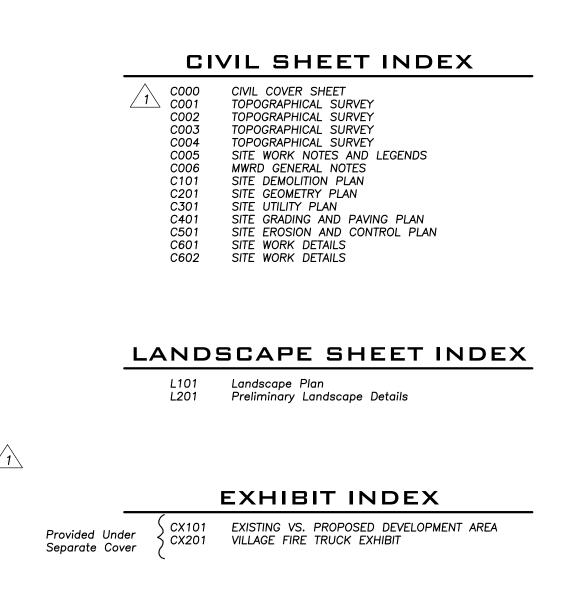
before starting work.

P (708) 588-4055

E WMOJobStart@mwrd.org







Plat of Survey and Topography Provided By R.E. Allen and Associates, Ltd. For Eriksson Engineering Associates on October 17, 2022. File Number 52–15.

PROJECT BENCHMARKS

Site Benchmark:
Village Of Arlington Heights Monument 39
At The Northeast Corner Of W. Olive Street And Arlington Heights Road.
Elevation= 703.13 NAVD88

Easting: 1080071.39
Northing: 1978956.30

Note: The Exact Location Of All Utilities Shall Be Verified By The Contractor Prior To Construction Activities. For Utility Locations Call: J.U.L.I.E. 1 (800) 892—0123 DRAINAGE STATEMENT

To The Best Of Our Knowledge And Belief, It Is Our Professional Opinion That The Proposed Improvements On The Property Are Not Within One—Hundred (100) Feet Of A Known Flood Protection Area. The Drainage Of The Surface Waters Will Not Be Changed By The Construction Of This Development Or Any Part Thereof, Or That If Such Surface Water Drainage Will Be Changed, Reasonable Provisions Have Been Made For The Collection And Diversion Of Such Surface Waters Into Public Areas Or Drains Which The Property Owner Has A Right To Use, And That Such Surface Waters Will Be Planned For In Accordance With Generally Accepted Engineering Practices So As To Reduce The Likelihood Of Damage To The Adjoining Property Because Of The Construction Of The Development.

ERIKSSON
ENGINEERING
ASSOCIATES, LTD.

145 COMMERCE DRIVE, SUITE A GRAYSLAKE, ILLINOIS 60030
PHONE (847) 223-4804
FAX (847) 223-4864
EMAIL INFO@EEA-LTD.COM
PROFESSIONAL DESIGN FIRM

LICENSE No. 184-003220 EXPIRES: 04/30/2023

ACHOOL AG ADDITION AND RENOVATIO

No. Date Description

11/17/22 ISSUE FOR PLAN COMMISION

1 01/20/23 REVISED FOR PLAN COMMISSION

2 02/01/23 REVISED FOR PLAN COMMISSION

© ERIKSSON ENGINEERING ASSOCIATES, LTD., 2022

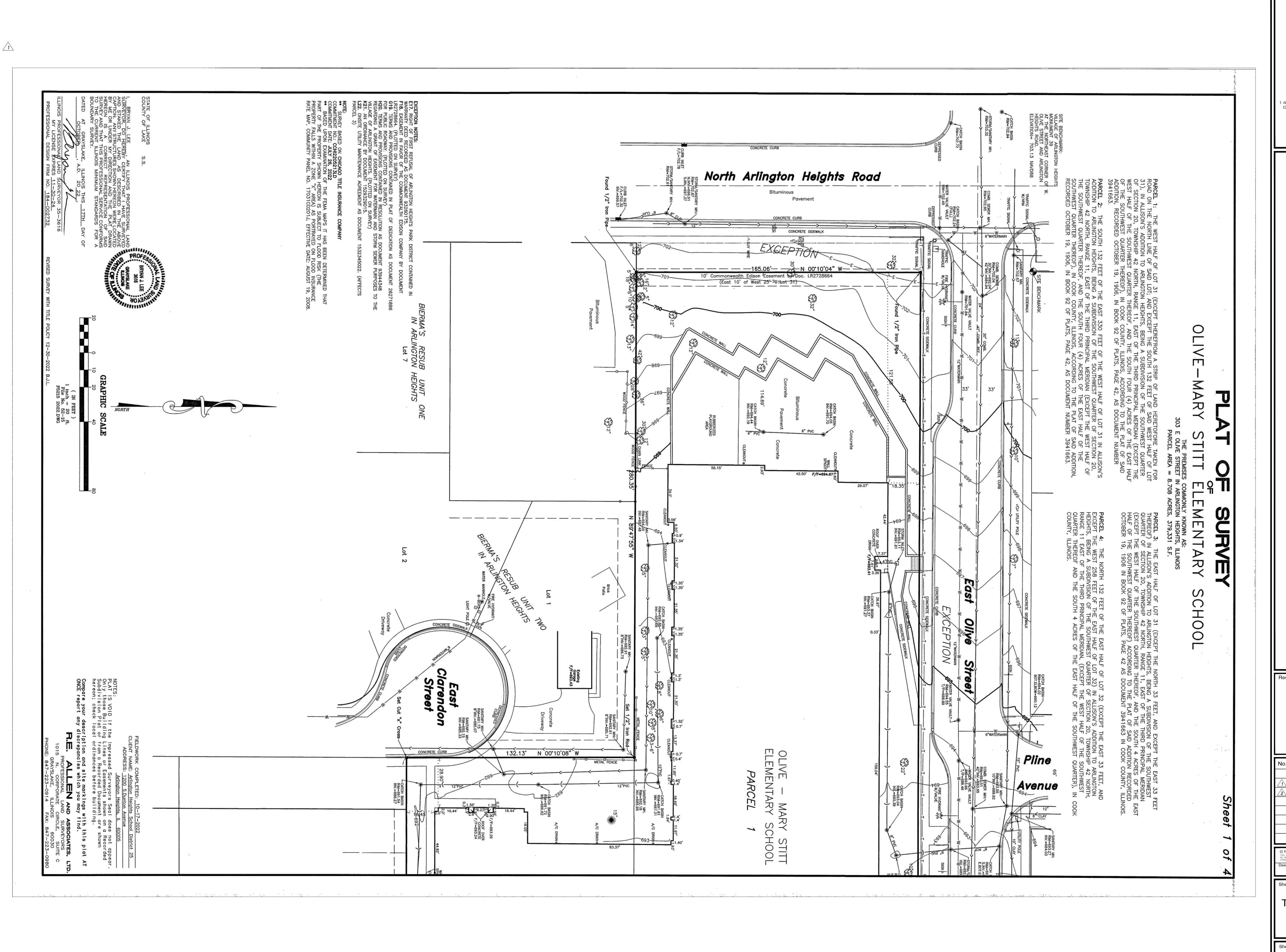
THIS PLAN & DESIGN ARE THE PROPERTY OF ERIKSSON ENGINEERING ASSOCIATES, LT
NO REPRODUCTION OF ANY PART OF THESE PLANS IS PERMITTED WITHOUT THE WRITT
CONSENT OF ERIKSSON ENGINEERING ASSOCIATES, LTD.

Design By: Approved By: Date:

MC JC 11/17/22

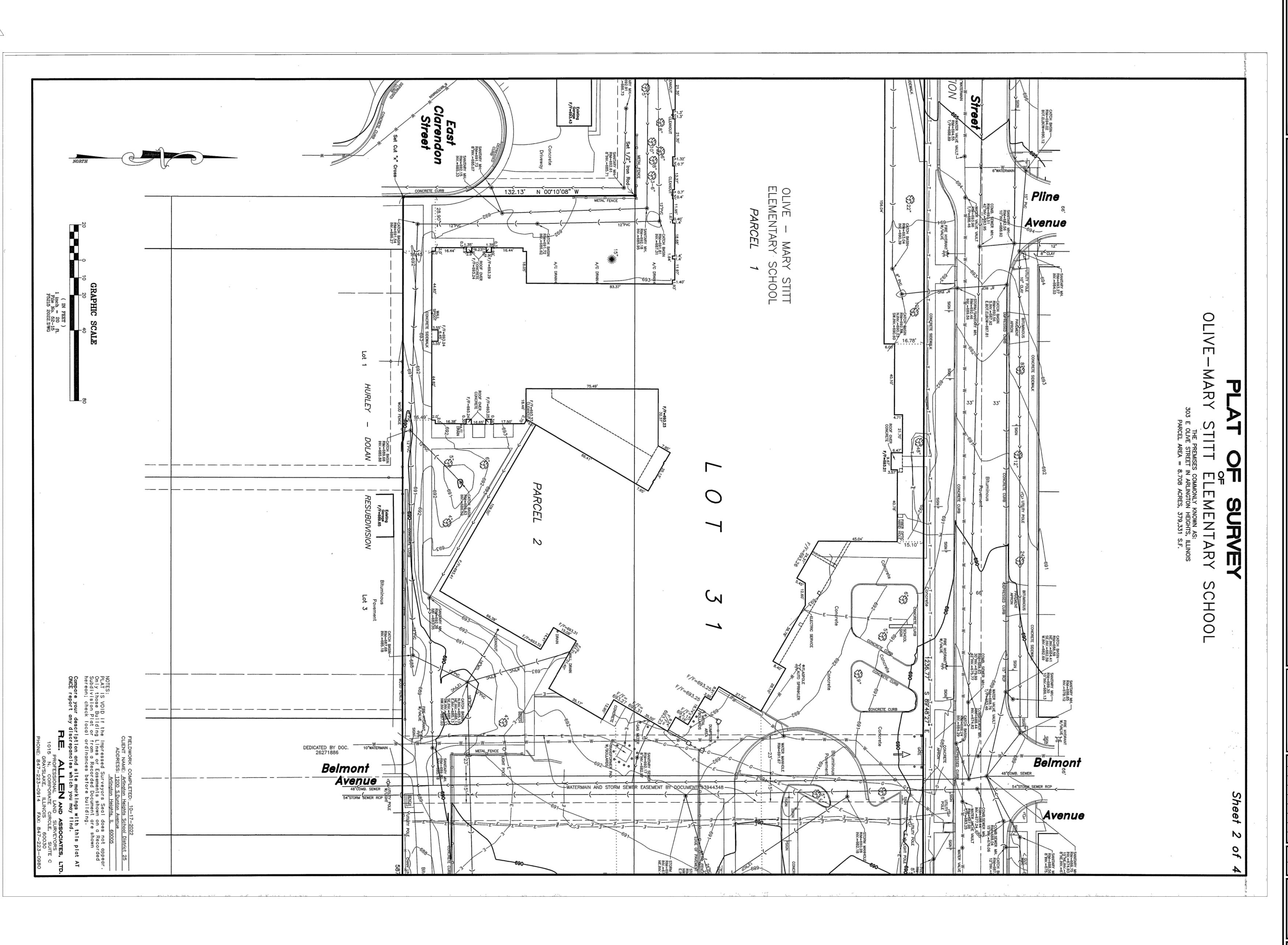
CIVIL COVER SHEET

Sheet No:



ENGINEERING ASSOCIATES, LTD. 145 COMMERCE DRIVE, SUITE A GRAYSLAKE, ILLINOIS 60030 PHONE (847) 223-4804 FAX (847) 223-4864 EMAIL INFO@EEA-LTD.COM PROFESSIONAL DESIGN FIRM LICENSE NO. 184-003220 EXPIRES: 04/30/2023

TOPOGRAPHICAL SURVEY



OLIVE-MARY STITT SCHOOL
JING ADDITION AND RENOVATIONS
303 E OLIVE STREET

ENGINEERING

ASSOCIATES, LTD.

145 COMMERCE DRIVE, SUITE A GRAYSLAKE, ILLINOIS 60030 PHONE (847) 223-4804 FAX (847) 223-4864 EMAIL INFO@EEA-LTD.COM

PROFESSIONAL DESIGN FIRM LICENSE NO. 184-003220 EXPIRES: 04/30/2023

No. Date Description

11/17/22 ISSUE FOR PLAN COMMISION

1 01/20/23 REVISED FOR PLAN COMMISSION

2 02/01/23 REVISED FOR PLAN COMMISSION

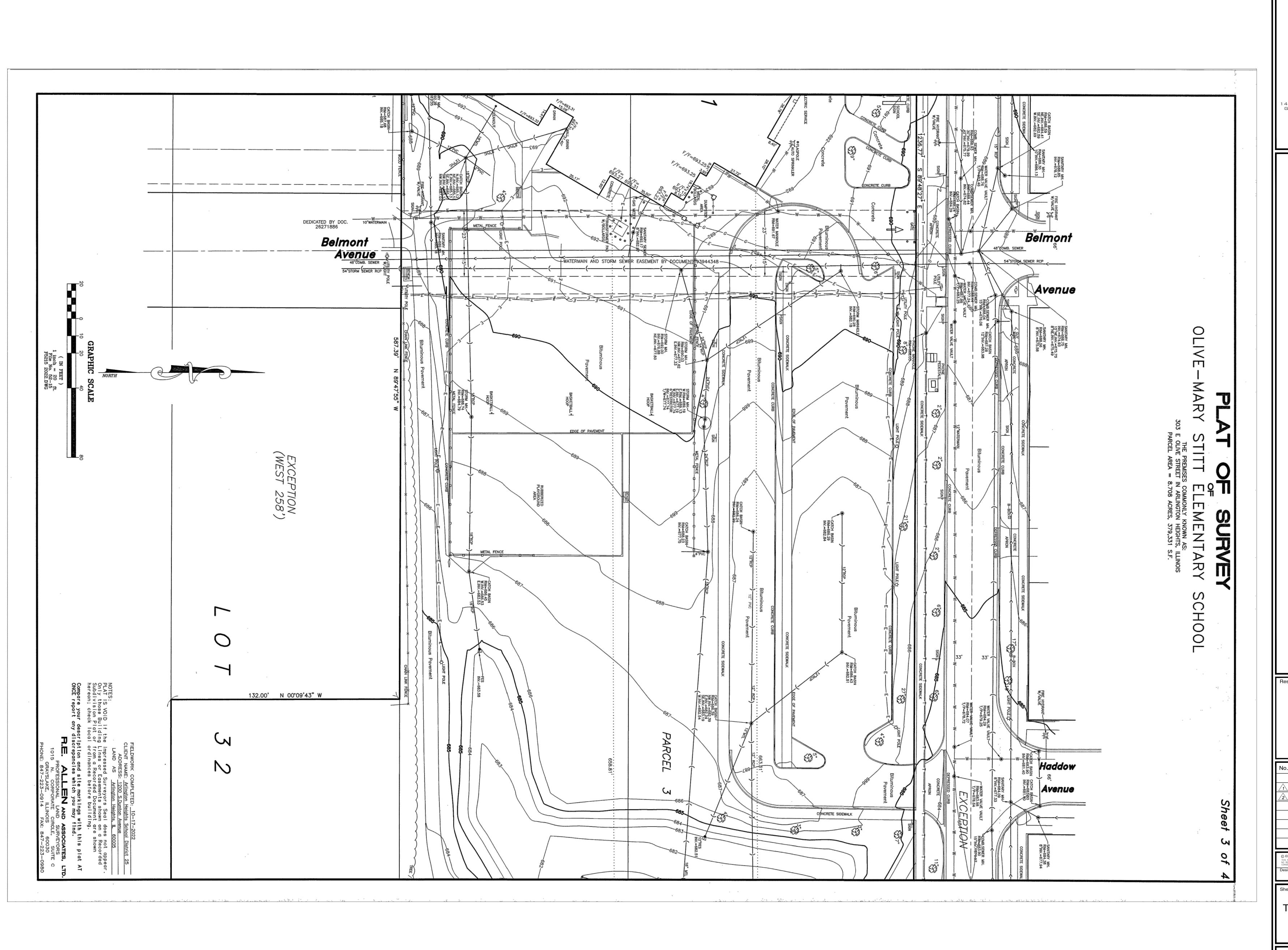
Reserved for Seal:

SSON ENGINEERING ASSOCIATES, LTD., 2022
& DESIGN ARE THE PROPERTY OF ERIKSSON ENGINEERING ASSOCIATES, L'DUCTION OF ANY PART OF THESE PLANS IS PERMITTED WITHOUT THE WRITE FERIKSSON ENGINEERING ASSOCIATES, LTD.

By: Approved By: Date:

C JC 11/17/2

TOPOGRAPHICAL SURVEY

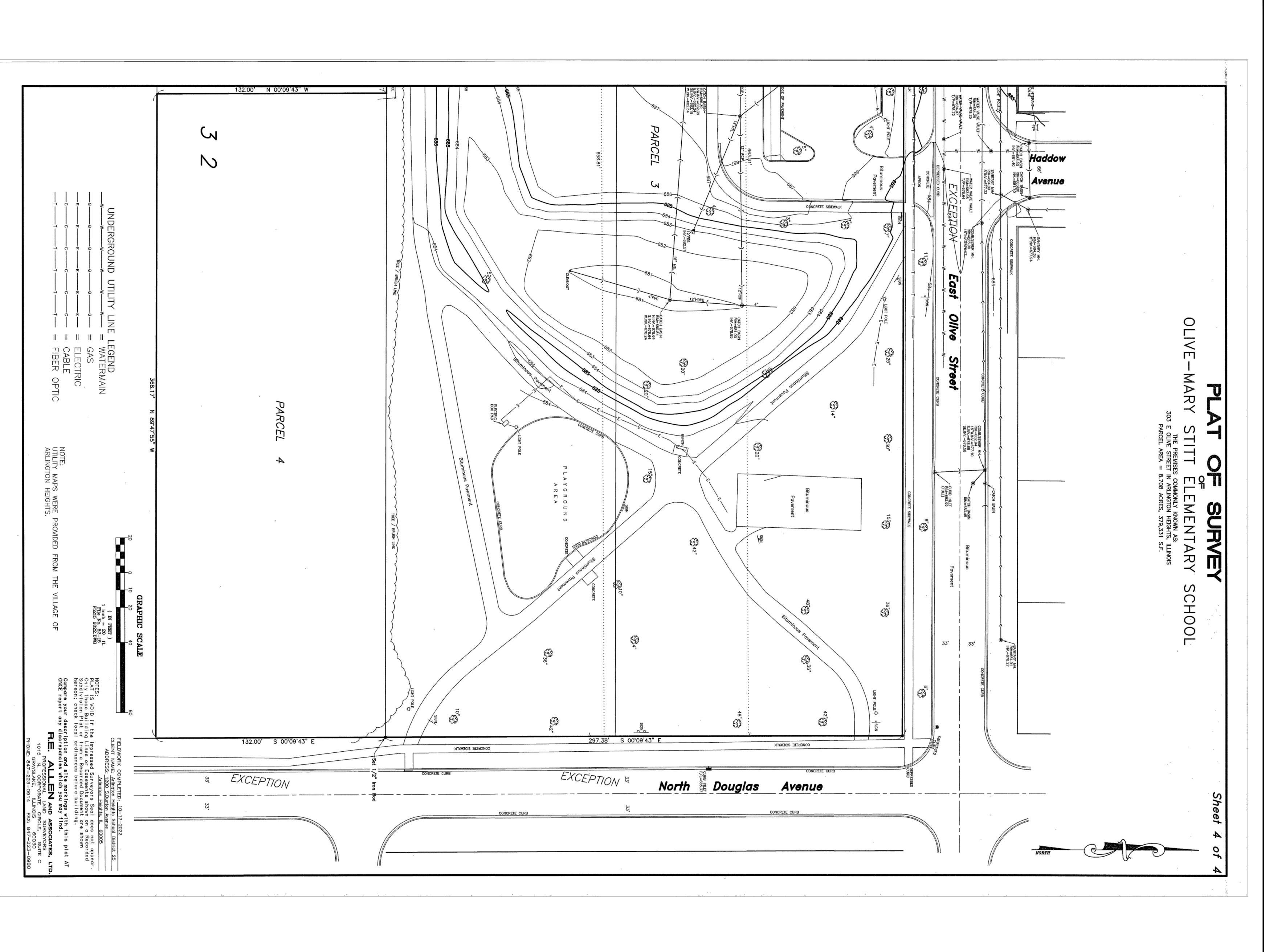


ENGINEERING ASSOCIATES, LTD. 145 COMMERCE DRIVE, SUITE A GRAYSLAKE, ILLINOIS 60030 PHONE (847) 223-4804 FAX (847) 223-4864 EMAIL INFO@EEA-LTD.COM PROFESSIONAL DESIGN FIRM LICENSE NO. 184-003220 EXPIRES: 04/30/2023

Reserved for Seal:

No. Date Description 11/17/22 ISSUE FOR PLAN COMMISION 01/20/23 REVISED FOR PLAN COMMISSION 02/01/23 REVISED FOR PLAN COMMISSION

TOPOGRAPHICAL SURVEY



SING ADDITION AND RENOVATIONS

ARLINGTON HEIGHTS, ILLINOIS

ENGINEERING

ASSOCIATES, LTD.

145 COMMERCE DRIVE, SUITE A GRAYSLAKE, ILLINOIS 60030 PHONE (847) 223-4804 FAX (847) 223-4864 EMAIL INFO@EEA-LTD.COM

PROFESSIONAL DESIGN FIRM LICENSE NO. 184-003220 EXPIRES: 04/30/2023

No. Date Description

11/17/22 ISSUE FOR PLAN COMMISION

11/20/23 REVISED FOR PLAN COMMISSION

2 02/01/23 REVISED FOR PLAN COMMISSION

REVISED FOR PLAN COMMISSION

© ERIKSSON ENGINEERING ASSOCIATES, LTD., 2022

THIS PLAN & DESIGN ARE THE PROPERTY OF ERISSION ENGINEERING ASSOCIATES, LTD. NO. REPRODUCTION. OF ANY PART OF THESE PLANS IS PERMITTED WITHOUT THE WRITTEN

Reserved for Seal:

SON ENGINEERING ASSOCIATES, LTD., 3

DESIGN ARE THE PROPERTY OF ERIKSSON ENGINEERING ASSOCIATES, LTD.

CITION OF ANY PART OF THESE PLANS IS PERMITTED WITHOUT ERIKSSON ENGINEERING ASSOCIATES, LTD.

By: Approved By: Date:

JC JC 11/

TOPOGRAPHICAL SURVEY

GENERAL NOTES

- 1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and Is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility In The Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately If Surface and/or Subsurface Features Are Different Than Shown On The Drawinas.
- 2. Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
- 3. Contractor Shall Provide Private Utility Locating Services for the Project Area.
- 4. Notify The Owner, Engineer and The Village of Arlington Heights A Minimum of 48 Hours In Advance of Performing
- 5. All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored To Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It is Incumbent Upon Contractor to Show That Damaged Areas Were Not Disturbed By Construction Operations.
- Electronic Drawing File (DWG) to Stake All Site Improvements Accordingly. Contractor Shall Re-Establish
 Horizontal Control. Horizontal Control Points Not Provided.

6. These Drawings Assume That The Contractor Will Utilize An

- 7. No Person May Utilize The Information Contained Within These Drawing's Without Written Approval From Eriksson Engineering Associates, Ltd.
- 8. The Engineer Is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This Information Shall Contact The Engineer Immediately.
- 9. Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor In Accordance With The Authorities Having Jurisdiction Which Shall Include As a Minimum All Detention Basins and Best Management Practices, Include All Storm and Sanitary Sewers, Structure Locations, Sizes, Rim and Invert Elevations, Watermain and Valve and Appurtenance Locations.
- 10. The Illinois Department Of Transportation Standard Specifications For Road And Bridge Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless

DEMOLITION NOTES

- 1. All Signs to Be Removed Shall Be Salvaged and Stored in the Owner's Facility for Future Use as Applicable. 2. Keep All Village Of Arlington Heights Streets Free and Clear of Construction Related Dirt/Dust/Debris.
- 3. Coordinate Existing Utility Removal with Local Authorities and Utility Companies Having Jurisdiction.
- 4. The Existing Building is to Remain Operational During Construction. Therefore, the Temporary Relocation of All Necessary Utilities Serving the Existing Building Shall Be Coordinated Prior to the Commencement of Construction
- 5. All Sawcutting Shall be Full Depth to Provide a Clean Edge to Match New Construction. Match Existing Elevations at Points of Connection for New and Existing Pavement, Curb, Sidewalks, etc. All Sawcut Locations Shown Are Approximate and May Be Field Adjusted to Accommodate Conditions, Joints, Material Type, etc. Remove Minimum Amount Necessary for Installation of Proposed Improvements.
- 6. Provide and Maintain All Necessary Traffic Control and Safety Measures Required During Demolition and Construction Operations Within or Near the Public
- 7. Perform Tree Pruning In All Locations Where Proposed Pavement And/Or Utility Installation Encroach Within The Existing Drip Line Of Trees To Remain. All Trenching Within The Drip Line Of Existing Trees To Remain Shall Be Done Radially Away From Trunk If Roots In Excess Of 1" Diameter Are Exposed. Roots Must Be Cut By Reputable Tree Pruning Service Prior To Any Transverse Trenchina. Obtain Approval Of The Architect Prior To Operations For A Variance From This Procedure.
- 8. Coordinate Tree Removal with Landscape Architect. All Trees To Be Removed Shall Be Removed In Their Entirety and Stumps Shall Be Ground to Proposed Subgrade. Use As Mulch for Proposed Landscaping Where Applicable and Acceptable to Architect.
- 9. Provide Tree Protection Fencing Prior To Construction Operations. Maintain Throughout Construction.

GEOMETRY NOTES

- 1. All Dimensions Contained Herein Reference Back Of Curb, Face Of Retaining Wall, Edge Of Pavement, Center of Structure And Outside Face Of Building Foundation Unless Otherwise Noted.
- 2. All Pavement Striping Shall Be 4" Wide Yellow Paint Per Specifications, Two Coats for Latex Paints.
- 3. Refer to Architectural Drawings for Exact Locations of All
- 4. Refer to Architectural Drawings for Locations and Details of All Permanent Site Fencing. 5. Traffic Sign Posts Shall Be Breakaway Green U-Channel Posts, 2-lb/ft, 11 Gauge Steel, Embedded 42" Minimum

UTILITY NOTES

- 1. Utility Service Lines as Shown Hereon are Approximate. Coordinate The Exact Locations With The Plumbing Drawings. Coordinate The Locations With The Plumbing Contractor and/or the Owner's Construction Representative Prior to Installation of Any New Utilities.
- 2. Refer to Plumbing Drawings for Continuation of All Utilities Within 5 Feet of Building Face.
- 3. Field Verify Invert & Locations of Existing Utility Mains Prior to Installing Any On—Site Utilities or Structures. All Elevations and Inverts Referencing Said Utility Shall Be Field Verified Prior To Installation Of Any New Structures Or Utilities, and Adjustments Shall Be Made as Necessary. Contact Engineer Prior to Installation if Discrepancy Exists With These Drawings.
- 4. Coordinate the Relocation Of Any Utilities Encountered And Replacement Of Any Utilities Damaged Within Influence Zone Of New Construction. Contact Engineer If The Existing Utilities Vary Appreciably From The Plans.
- 5. All Water Main and Services Shall Be Installed at a Minimum Depth of 5.5' From Top of Finished Ground Elevation to Top of Main.
- 6. Protection of water supplies shall be as described in Section 370.350 of the Illinois Recommended Standards for Sewage Works or Section 41-2.01 of the Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition.
- 7. Clean Out All Existing and Proposed Storm Inlets and Catch Basins at the Completion of Construction.
- 8. The "Standard Specifications for Water and Sewer Main Construction in Illinois", Current Edition Shall Govern Work
- 9. Rebuild Existing Structures and Adjust Rim Elevations to Match Proposed Ground Elevations.

STRUCTURE NOTES

- 1. All Catch Basins to Be Installed in Paved Areas Shall Have Neenah R2504-D Frame & Grate or Approved Equal.
- 2. All Catch Basins to Be Installed in Landscaped Areas Shall Have Neenah R4340-B Frame & Grate or Approved Equal. For Cone Sections Install a Minimum of 4" Grade Rings For Topsoil Respread. For Flat Slab Tops Install the Following Minimum Height of Grade Rings: 4' Diameter Structure— 4" 5' Diameter Structure- 6" 6' Diameter Structure— 8"
- 3. All Manholes Shall Have Neenah R1713-B Frame & Closed Lid or Approved Equal, with "Storm" or "Sanitary" Imprinted as Appropriate.
- 4. For All Structures Indicated to be Adjusted, Remove and Install Adjusting Rings, Cone Section, Barrel Sections, or Flat Slab Top as Necessary.
- 5. All Sanitary Manholes Shall Include a Chimney Seal.

SOIL EROSION & SEDIMENTATION CONTROL NOTES

- 1. Illinois Urban Manual Shall Govern All Soil Erosion and Sediment Control, and Related Work.
- 2. 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.
- 3. Soil Erosion and Sediment Control Features Shall Be Constructed Prior to the Commencement of Upland
- 4. All Storm Sewer Structures That Are, Or Will Be, Functioning During Construction Shall Be Protected, Filtered, Or Otherwise Treated To Remove Sediment. The General Contractor Shall Use "Catch-All" Inlet Protectors (or equal) and Filter Wattles Around The Grate In Landscaped Areas And "Catch-All" Inlet Protectors (or equal) In Paved Areas To Prevent Siltation.
- 5. Install And Maintain Silt Fence At The Perimeter Of The Construction Zone And Wetland Areas And As Shown On The Plans. Maintain Silt Fence Throughout Construction And Until Vegetation Has Been Fully Established.
- 6. The Erosion Control Measures Indicated On The Drawings Are The Minimum Requirements. Additional Measures May Be Required As Directed By The Qualified Soil and Erosion Sediment and Control Inspector Or Governing Agency.
- 7. Unless Otherwise Indicated on the Drawings, Stabilize All Disturbed Ground Areas Where Slopes Exceed 6:1 or Within Swales with North American Green BioNet SC150BN Erosion Control Blanket, or Approved Equal.
- 8. Report Releases of Reportable Quantities of Oil or Hazardous Materials If They Occur In Accordance with IEPA NPDES Requirements.

9. All Concrete Washout Shall Conform To The "Temporary

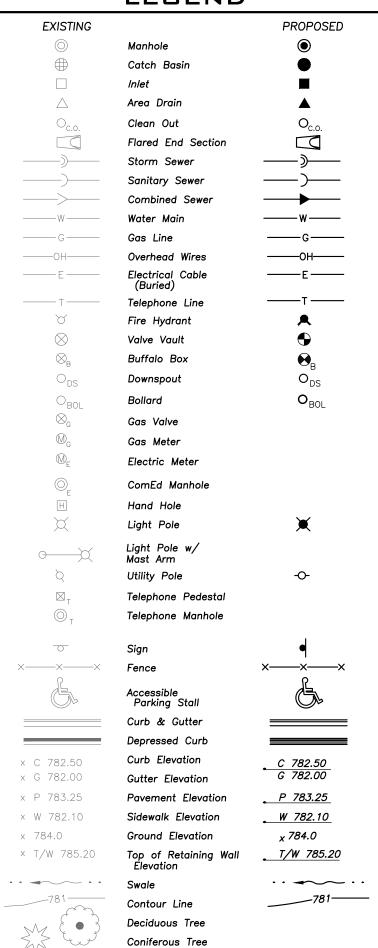
Concrete Washout Facility" Standards (Code 954) of the

Sediment Laden Water Into Storm Sewers Tributary to

Illinois Urban Manual, Latest Edition. 10. Dewatering of Excavations Shall be Performed in a Manner Such as Through the use of Filter Bags or Polymer Treated Dewatering Swales, so as to Not Discharge

Open Water.

LEGEND



PAVING & SURFACE LEGEND

Concrete Sidewalk Section 5" Portland Cement Concrete 6"x6" W1.4xW1.4 Welded Wire Fabric 2" Aggregate Base Course, Type B, Crushed Asphalt Pavement Section (Match Right Of Way Pavement Section) 1/2" Hot Mix Asphalt,Mix D, IL-9.5, N50 2 1/2" Hot Mix Asphalt, IL-19.0, N50 Prime Coat (0.25 gal/sq yd) 8" Aggregate Base Course, Type B, Crushed, CA-6 Non-Woven Geotextile Fabric, 5 oz/sy Surface America PlayBound™ Pour-In-Place Rubber Playground Surface 1/2" Recycled EPDM " Basemat Thickness 5" CA-7 Aggregate Base Course, Type B, Crushed PlayBound Poured-In-Place Primber Per Supplier Specifications Easy Turf Ultra Series or Approved Equal 1 1/2" Synthetic Grass Blades 1" Vulcan 210 Base Stone 3" Min CA-7/CA-6 (Refer To Details For Stone) Stormwater Overland Flow Path

SOIL EROSION & SEDIMENTATION CONTROL

— — — Ridge Line/High Point

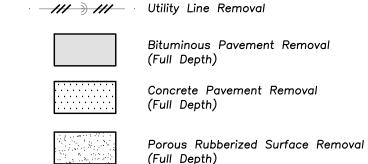
LEGEND Silt Fence Erosion Control Blanket North American Green DS75 Or Approved Equal ALL DISTURBED LANDSCAPED AREAS Unless Noted Otherwise On Landscape Catch—All, Pork Chop Sediguard (or equal) Paved or Existing Stabilized

DEMOLITION LEGEND

Brushline

Tree Protection

Fencing at Drip Line



— — — — — Pavement Sawcut Curb & Gutter Removal

Structure Removal Tree Removal

ERIKSSON

ENGINEERING

ASSOCIATES, LTD.

45 COMMERCE DRIVE, SUITE A

GRAYSLAKE, ILLINDIS 60030

PHONE (847) 223-4804

_{FAX} (847) 223-4864

EMAIL INFO@EEA-LTD.COM

PROFESSIONAL DESIGN FIRM

LICENSE NO. 184-003220

Expires: 04/30/2023

Reserved for Seal:	

No.	Date	Description
	11/17/22	ISSUE FOR PLAN COMMISION
1	01/20/23	REVISED FOR PLAN COMMISSION
2	02/01/23	REVISED FOR PLAN COMMISSION

SITE WORK NOTES AND LEGENDS

A. REFERENCED SPECIFICATIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS: * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE
- ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION; * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST
- EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION; MUNICIPAL CODE;
- * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL; * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

- 1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG).
- 2. THE VILLAGE OF _ ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- 3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

- 1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS __
- 2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- 4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- 5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- 6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- 7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
- 8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- 9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- 10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE, ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

- 1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- 2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- 3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL
- FROM THE MUNICIPALITY OR MWRD.
 4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- 7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS	
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425	
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443	
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564	
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11	
POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26 18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM D-3034 ASTM F-679	ASTM D-3212 ASTM D-3212	
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUS: ASTM D-3212,F-477 (GASKETED)	
WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH	ASTM D-2241 AWWA C900	ASTM D-3139 ASTM D-3139	r
A THOU TO AS THOU		,	

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

AWWA C905

ASTM D-3139

PIPE MATERIAL POLYPROPYLENE (PP) PIPE	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

14-INCH TO 48-INCH

- 8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4 "TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12 ABOVE THE TOP OF THE PIPE WHEN USING PVC.
- 9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
- 10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.
- 11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED: a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SHEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE. b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION. c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
- 12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
- 13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
- 14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETÉR OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRÉ-CAST REINFORCED CONCRETE.
- 15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
- 16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
- 17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
- 18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

- 1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- 2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC
- 3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- 4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE
- 5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
- WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- 7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND
- 8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING
- 9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT
- 10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME
- 11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
- 12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE
- 13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING
- 14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS.
- 15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL
- 16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED
- 17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A
- GREEN INFRASTRUCTURE PRACTICES. 18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL
- DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES. 19. THE CONTRCTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES
- AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFÉCTIVE SEDIMENT CONTROL DEVICE.
 ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- 20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- 21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
- 22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
- 23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER,

E. EROSION AND SEDIMENT CONTROL

- DISTURBANCE OF THE SITE.
- SITE AT ALL TIMES.
- a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT
- 6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
- CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- DRAINAGE AREA HAS BEEN STABILIZED.
- SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR
- BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED

SITE INSPECTOR, OR MWRD.

TECHNICAL GUIDANCE MANUAL

MWRD GENERAL NOTES

10/13/2022

PAGE NO. 19

STD. DWG. NO.18

Reserved for Seal:

No. Date Description

11/17/22 ISSUE FOR PLAN COMMISION 01/20/23 REVISED FOR PLAN COMMISSION 02/01/23 REVISED FOR PLAN COMMISSIO

MWRD GENERAL NOTES

ERIKSSON

ENGINEERING

ASSOCIATES, LTD.

45 COMMERCE DRIVE, SUITE A GRAYSLAKE, ILLINOIS 60030

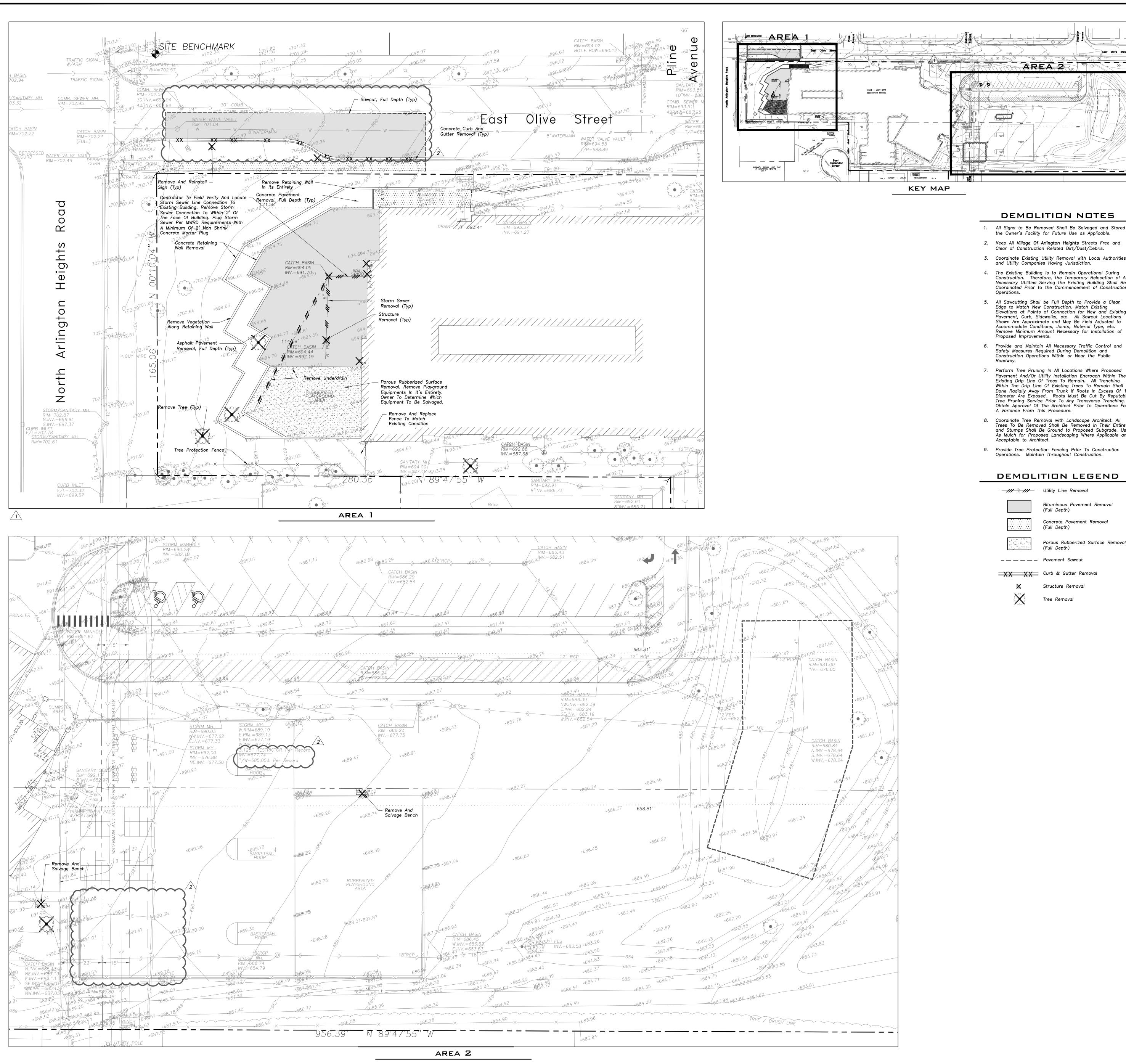
PHONE (847) 223-4804 _{FAX} (847) 223-4864

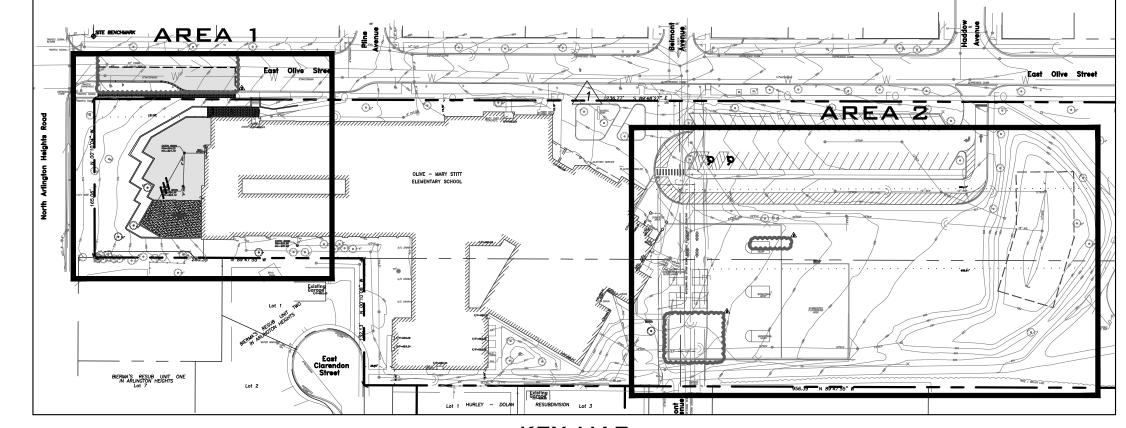
EMAIL INFO@EEA-LTD.COM

PROFESSIONAL DESIGN FIRM

LICENSE NO. 184-003220

Expires: 04/30/2023





DEMOLITION NOTES

- 1. All Signs to Be Removed Shall Be Salvaged and Stored in the Owner's Facility for Future Use as Applicable.
- 2. Keep All Village Of Arlington Heights Streets Free and Clear of Construction Related Dirt/Dust/Debris.
- and Utility Companies Having Jurisdiction.
- 4. The Existing Building is to Remain Operational During Construction. Therefore, the Temporary Relocation of All Necessary Utilities Serving the Existing Building Shall Be Coordinated Prior to the Commencement of Construction
- 5. All Sawcutting Shall be Full Depth to Provide a Clean Edge to Match New Construction. Match Existing Elevations at Points of Connection for New and Existing Pavement, Curb, Sidewalks, etc. All Sawcut Locations Shown Are Approximate and May Be Field Adjusted to Accommodate Conditions, Joints, Material Type, etc. Remove Minimum Amount Necessary for Installation of
- 6. Provide and Maintain All Necessary Traffic Control and Safety Measures Required During Demolition and Construction Operations Within or Near the Public
- 7. Perform Tree Pruning In All Locations Where Proposed Pavement And/Or Utility Installation Encroach Within The Existing Drip Line Of Trees To Remain. All Trenching Within The Drip Line Of Existing Trees To Remain Shall Be Done Radially Away From Trunk If Roots In Excess Of 1" Diameter Are Exposed. Roots Must Be Cut By Reputable Tree Pruning Service Prior To Any Transverse Trenching. Obtain Approval Of The Architect Prior To Operations Fo A Variance From This Procedure.
- 8. Coordinate Tree Removal with Landscape Architect. All Trees To Be Removed Shall Be Removed In Their Entirety and Stumps Shall Be Ground to Proposed Subgrade. Use As Mulch for Proposed Landscaping Where Applicable and Acceptable to Architect.
- 9. Provide Tree Protection Fencing Prior To Construction Operations. Maintain Throughout Construction.

DEMOLITION LEGEND

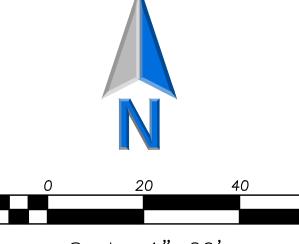
/// /// Utility Line Removal (Full Depth)

Bituminous Pavement Removal (Full Depth) Concrete Pavement Removal

Porous Rubberized Surface Removal (Full Depth)

— — — — — Pavement Sawcut XX XX Curb & Gutter Removal

Structure Removal



Scale: 1"=20'

LEGEND

EXISTING PROPOSED Manhole Catch Basin Area Drain Clean Out Flared End Section Storm Sewer ——)—— Sanitary Sewer —)— Combined Sewer ——G—— ——ОН—— Overhead Wires ——E—— —__т___ Telephone Line Fire Hydrant Valve Vault

Buffalo Box Downspout Bollard Gas Valve Gas Meter

Electric Meter ComEd Manhole Hand Hole Light Pole Light Pole w/ Mast Arm Utility Pole Telephone Pedestal

Telephone Manhole Fence x-----x Curb & Gutter

x G 782.00 . P 783.25 x P 783.25 × W 782.10 _ W 782.10 _x 784.0 Ground Elevation × T/W 785.20 ___T/W_785.20 _____781____ Contour Line

Deciduous Tree Coniferous Tree Tree Protection Fencing at Drip Line

GENERAL NOTES

x 784.0

- 1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and Is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility In The Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately If Surface and/or Subsurface Features Are Different Than Shown On The Drawings.
- 2. Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
- 3. Contractor Shall Provide Private Utility Locating Services for the Project Area.
- Notify The Owner, Engineer and The Village of Arlington Heights A Minimum of 48 Hours In Advance of Performing
- All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored To Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It is Incumbent Upon Contractor to Show That Damaged Areas Were Not Disturbed By Construction Operations.
- 6. These Drawings Assume That The Contractor Will Utilize An Electronic Drawing File (DWG) to Stake All Site Improvements Accordingly. Contractor Shall Re-Establish Horizontal Control. Horizontal Control Points Not Provided. 7. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson
- Engineering Associates, Ltd. 8. The Engineer Is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This
- Information Shall Contact The Engineer Immediately. Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor In Accordance With The Authorities Having Jurisdiction Which Shall Include As Minimum All Detention Basins and Best Management Practices, Include All Storm and Sanitary Sewers, Structure Locations, Sizes, Rim and Invert Elevations, Watermain and Valve and Appurtenance Locations.
- 10. The Illinois Department Of Transportation Standard Specifications For Road And Bridge Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless Noted Otherwise.

SURVEY PROVIDED BY:

Plat of Survey and Topography Provided By R.E. Allen and Associates, Ltd. For Eriksson Engineering Associates on October 17, 2022. File Number 52—15. PROJECT BENCHMARKS

Site Benchmark: Village Of Arlington Heights Monument 39
At The Northeast Corner Of W. Olive Street And Arlington Heights Road. Elevation= 703.13 NAVD88 Easting: 1080071.39 Northing: 1978956.30

J.U.L.I.E. Note: The Exact Location Of All Utilities Shall Be Verified By The Contractor Prior To Construction Activities. For Utility Locations Call: J.U.L.I.E. 1 (800) 892-0123

ERIKSSON

ENGINEERING

ASSOCIATES, LTD.

45 COMMERCE DRIVE, SUITE A

GRAYSLAKE, ILLINOIS 60030

PHONE (847) 223-4804 _{FAX} (847) 223-4864

EMAIL INFO@EEA-LTD.COM PROFESSIONAL DESIGN FIRM

LICENSE No. 184-003220

Expires: 04/30/2023

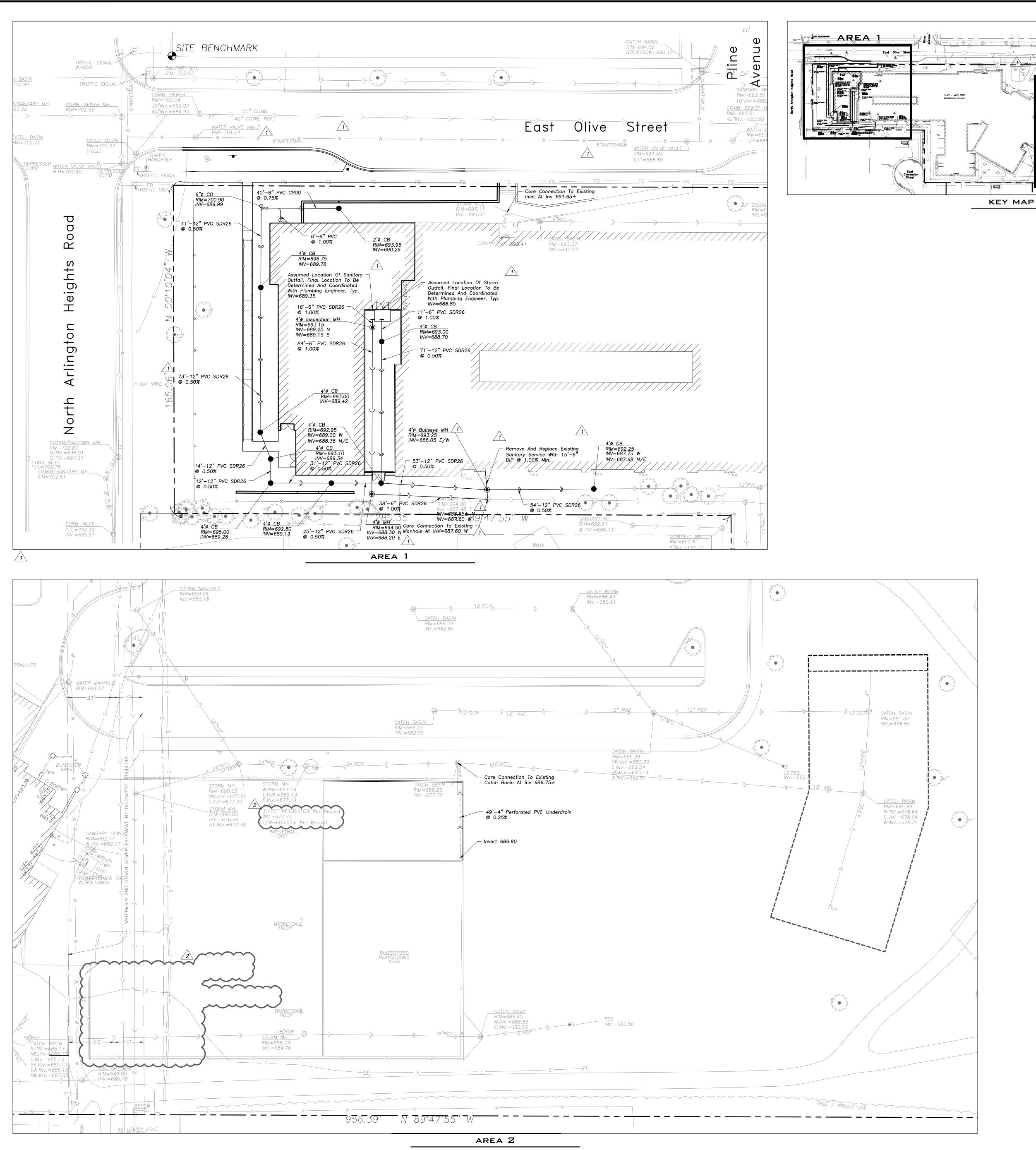
Reserved for Seal:

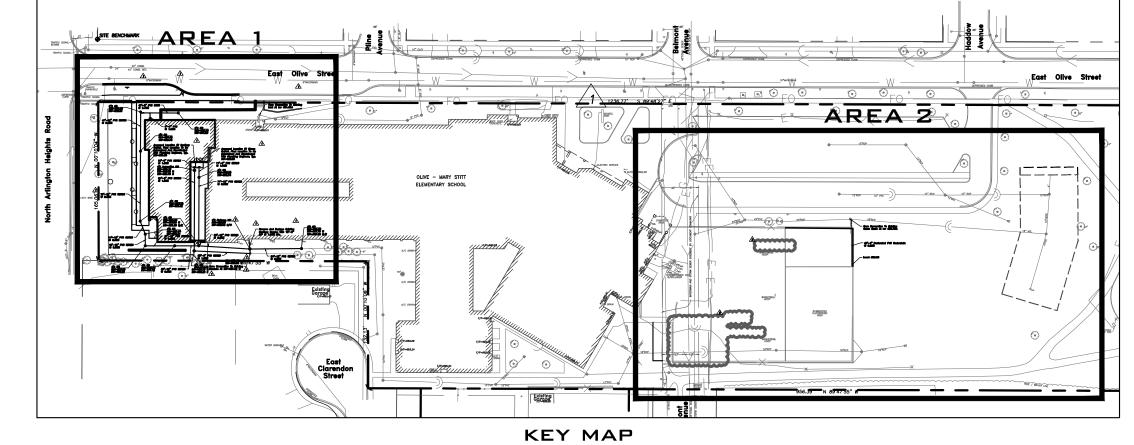
No. Date Description 11/17/22 ISSUE FOR PLAN COMMISION \ 01/20/23 REVISED FOR PLAN COMMISSIO \ 02/01/23 REVISED FOR PLAN COMMISSION

JC 11/17/2

SITE DEMOLITION PLAN

Sheet No:





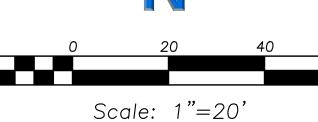
UTILITY NOTES

- 1. Utility Service Lines as Shown Hereon are Approximate Coordinate The Exact Locations With The Plumbing Drawings. Coordinate The Locations With The Plumbing Contractor and/or the Owner's Construction Representative Prior to Installation of Any New Utilities.
- 2. Refer to Plumbing Drawings for Continuation of All Utilities Within 5 Feet of Building Face.
- 3. Field Verify Invert & Locations of Existing Utility Mains Prior to Installing Any On-Site Utilities or Structures. All Elevations and Inverts Referencing Said Utility Shall Be Field Verified Prior To Installation Of Any New Structures Or Utilities, and Adjustments Shall Be Made as Necessary. Contact Engineer Prior to Installation if Discrepancy Exists With These Drawings.
- 4. Coordinate the Relocation Of Any Utilities Encountered And Replacement Of Any Utilities Damaged Within Influence Zone Of New Construction. Contact Engineer If The Existing Utilities Vary Appreciably From The Plans.
- 5. All Water Main and Services Shall Be Installed at a Minimum Depth of 5.5' From Top of Finished Ground Elevation to Top of Main.
- 6. Protection of water supplies shall be as described in Section 370.350 of the Illinois Recommended Standards for Sewage Works or Section 41-2.01 of the Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition.
- 7. Clean Out All Existing and Proposed Storm Inlets and Catch Basins at the Completion of Construction.
- 8. The "Standard Specifications for Water and Sewer Main Construction in Illinois", Current Edition Shall Govern Work
- 9. Rebuild Existing Structures and Adjust Rim Elevations to Match Proposed Ground Elevations.

STRUCTURE NOTES

- 1. All Catch Basins to Be Installed in Paved Areas Shall Have Neenah R2504-D Frame & Grate or Approved Equal.
- 2. All Catch Basins to Be Installed in Landscaped Areas Shall Have Neenah R4340—B Frame & Grate or Approved Equal. For Cone Sections Install a Minimum of 4" Grade Rings For Topsoil Respread. For Flat Slab Tops Install the Following Minimum Height of Grade Rings: 4' Diameter Structure— 4" 5' Diameter Structure— 6"
- 6' Diameter Structure— 8" 3. All Manholes Shall Have Neenah R1713-B Frame & Closed Lid or Approved Equal, with "Storm" or "Sanitary"
- Imprinted as Appropriate. 4. For All Structures Indicated to be Adjusted, Remove and Install Adjusting Rings, Cone Section, Barrel Sections, or Flat Slab Top as Necessary.
- 5. All Sanitary Manholes Shall Include a Chimney Seal.





LEGEND EXISTING PROPOSED Manhole Catch Basin Area Drain Clean Out Flared End Section Storm Sewer ——)—— Sanitary Sewer —)— Combined Sewer ——G—— ——ОН—— Overhead Wires ——E—— —__т___ Telephone Line Fire Hydrant

Valve Vault Buffalo Box Downspout Bollard Gas Valve Gas Meter Electric Meter ComEd Manhole

Hand Hole Light Pole Light Pole w/ Mast Arm Utility Pole

Telephone Pedestal Telephone Manhole Fence x-----x Curb & Gutter

P 783.25

_ W 782.10

x G 782.00 Gutter Elevation x P 783.25 × W 782.10 Sidewalk Elevation x 784.0 Ground Elevation

_x 784.0 × T/W 785.20 ___T/W_785.20 _____781____ Contour Line Deciduous Tree Coniferous Tree

Brushline Tree Protection Fencing at Drip Line

The Drawings.

GENERAL NOTES

- 1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and Is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility In The Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately If Surface and/or Subsurface Features Are Different Than Shown On
- 2. Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
- 3. Contractor Shall Provide Private Utility Locating Services
- for the Project Area. 4. Notify The Owner, Engineer and The Village of Arlington Heights A Minimum of 48 Hours In Advance of Performing Any Work.
- 5. All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored To Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It is Incumbent Upon Contractor to Show That Damaged Areas Were Not Disturbed By Construction Operations.

6. These Drawings Assume That The Contractor Will Utilize An

- Electronic Drawing File (DWG) to Stake All Site Improvements Accordingly. Contractor Shall Re-Establish Horizontal Control. Horizontal Control Points Not Provided. 7. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson
- Engineering Associates, Ltd. 8. The Engineer Is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This
- Information Shall Contact The Engineer Immediately. Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor In Accordance With The Authorities Having Jurisdiction Which Shall Include As Minimum All Detention Basins and Best Management Practices, Include All Storm and Sanitary Sewers, Structure Locations, Sizes, Rim and Invert Elevations, Watermain and Valve and Appurtenance Locations.
- 10. The Illinois Department Of Transportation Standard Specifications For Road And Bridge Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless Noted Otherwise.

SURVEY PROVIDED BY:

Plat of Survey and Topography Provided By R.E. Allen and Associates, Ltd. For Eriksson Engineering Associates on October 17, 2022. File Number 52—15. PROJECT BENCHMARKS

Site Benchmark: Village Of Arlington Heights Monument 39
At The Northeast Corner Of W. Olive Street And Arlington Heights Road. Elevation= 703.13 NAVD88 Easting: 1080071.39 Northing: 1978956.30 J.U.L.I.E.

Note: The Exact Location Of All Utilities Shall Be Verified By The Contractor Prior To Construction Activities. For Utility Locations Call: J.U.L.I.E. 1 (800) 892-0123

ERIKSSON

ENGINEERING

ASSOCIATES, LTD.

45 COMMERCE DRIVE, SUITE A

GRAYSLAKE, ILLINOIS 60030

PHONE (847) 223-4804 _{FAX} (847) 223-4864

EMAIL INFO@EEA-LTD.COM

PROFESSIONAL DESIGN FIRM

LICENSE No. 184-003220 Expires: 04/30/2023

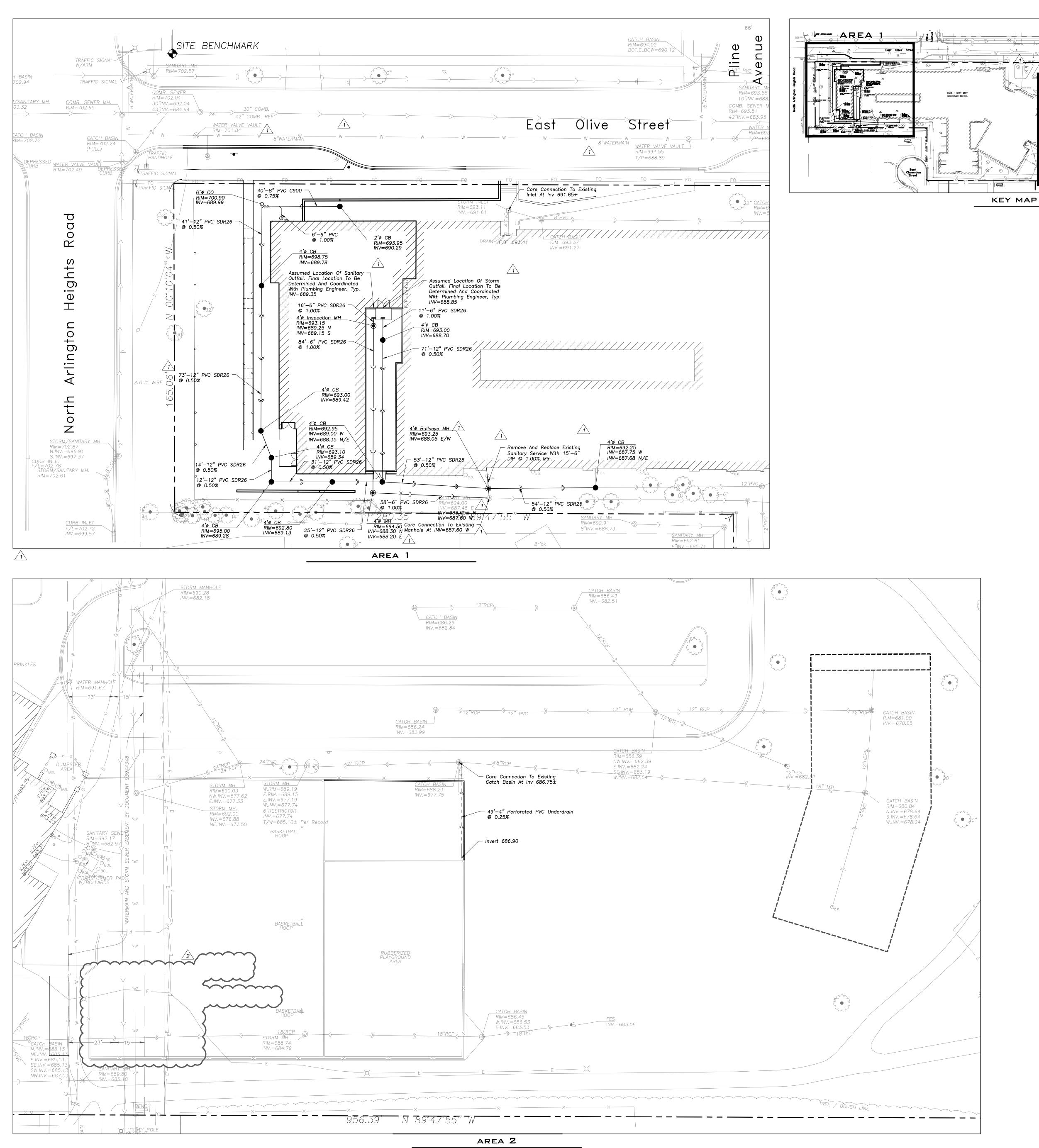
\ 01/20/23 REVISED FOR PLAN COMMISSIO \ 02/01/23 REVISED FOR PLAN COMMISSION JC 11/17/2 SITE UTILITY PLAN

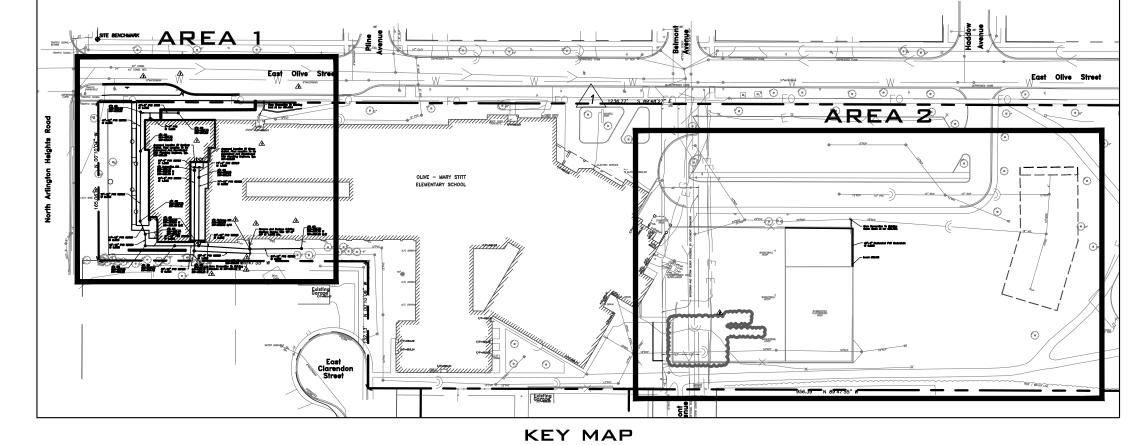
11/17/22 ISSUE FOR PLAN COMMISION

Reserved for Seal:

No. Date Description

Sheet No:





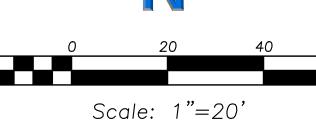
UTILITY NOTES

- 1. Utility Service Lines as Shown Hereon are Approximate Coordinate The Exact Locations With The Plumbing Drawings. Coordinate The Locations With The Plumbing Contractor and/or the Owner's Construction Representative Prior to Installation of Any New Utilities.
- 2. Refer to Plumbing Drawings for Continuation of All Utilities Within 5 Feet of Building Face.
- 3. Field Verify Invert & Locations of Existing Utility Mains Prior to Installing Any On-Site Utilities or Structures. All Elevations and Inverts Referencing Said Utility Shall Be Field Verified Prior To Installation Of Any New Structures Or Utilities, and Adjustments Shall Be Made as Necessary. Contact Engineer Prior to Installation if Discrepancy Exists With These Drawings.
- 4. Coordinate the Relocation Of Any Utilities Encountered And Replacement Of Any Utilities Damaged Within Influence Zone Of New Construction. Contact Engineer If The Existing Utilities Vary Appreciably From The Plans.
- 5. All Water Main and Services Shall Be Installed at a Minimum Depth of 5.5' From Top of Finished Ground Elevation to Top of Main.
- 6. Protection of water supplies shall be as described in Section 370.350 of the Illinois Recommended Standards for Sewage Works or Section 41-2.01 of the Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition.
- 7. Clean Out All Existing and Proposed Storm Inlets and Catch Basins at the Completion of Construction.
- 8. The "Standard Specifications for Water and Sewer Main Construction in Illinois", Current Edition Shall Govern Work
- 9. Rebuild Existing Structures and Adjust Rim Elevations to Match Proposed Ground Elevations.

STRUCTURE NOTES

- 1. All Catch Basins to Be Installed in Paved Areas Shall Have Neenah R2504-D Frame & Grate or Approved Equal.
- 2. All Catch Basins to Be Installed in Landscaped Areas Shall Have Neenah R4340—B Frame & Grate or Approved Equal. For Cone Sections Install a Minimum of 4" Grade Rings For Topsoil Respread. For Flat Slab Tops Install the Following Minimum Height of Grade Rings: 4' Diameter Structure- 4" 5' Diameter Structure— 6"
- 6' Diameter Structure— 8" 3. All Manholes Shall Have Neenah R1713-B Frame & Closed
- Lid or Approved Equal, with "Storm" or "Sanitary" Imprinted as Appropriate. 4. For All Structures Indicated to be Adjusted, Remove and Install Adjusting Rings, Cone Section, Barrel Sections, or Flat Slab Top as Necessary.
- 5. All Sanitary Manholes Shall Include a Chimney Seal.





LEGEND EXISTING PROPOSED Manhole Catch Basin Area Drain Clean Out Flared End Section Storm Sewer ——)—— Sanitary Sewer ——)— Combined Sewer ——G—— ——ОН—— Overhead Wires ——E—— —__т___ Telephone Line

Fire Hydrant Valve Vault Buffalo Box Downspout Bollard Gas Valve Gas Meter

Electric Meter ComEd Manhole Hand Hole Light Pole Light Pole w/ Mast Arm Utility Pole Telephone Pedestal

Telephone Manhole Fence x-----x Curb & Gutter

P 783.25

_ W 782.10

_x 784.0

___T/W_785.20

_____781____

x G 782.00 Gutter Elevation x P 783.25 × W 782.10 Sidewalk Elevation

x 784.0 Ground Elevation × T/W 785.20 Contour Line Deciduous Tree

Coniferous Tree Brushline Tree Protection

The Drawings.

GENERAL NOTES

1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and Is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility In The Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately If Surface and/or Subsurface Features Are Different Than Shown On

Fencing at Drip Line

- 2. Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
- 3. Contractor Shall Provide Private Utility Locating Services for the Project Area.
- 4. Notify The Owner, Engineer and The Village of Arlington Heights A Minimum of 48 Hours In Advance of Performing Any Work.
- 5. All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored To Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It is Incumbent Upon Contractor to Show That Damaged Areas Were Not Disturbed By Construction Operations.
- 6. These Drawings Assume That The Contractor Will Utilize An Electronic Drawing File (DWG) to Stake All Site Improvements Accordingly. Contractor Shall Re-Establish Horizontal Control. Horizontal Control Points Not Provided. 7. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson
- Engineering Associates, Ltd. 8. The Engineer Is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This Information Shall Contact The Engineer Immediately.
- Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor In Accordance With The Authorities Having Jurisdiction Which Shall Include As Minimum All Detention Basins and Best Management Practices, Include All Storm and Sanitary Sewers, Structure Locations, Sizes, Rim and Invert Elevations, Watermain and Valve and Appurtenance Locations.
- 10. The Illinois Department Of Transportation Standard Specifications For Road And Bridge Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless Noted Otherwise.

SURVEY PROVIDED BY:

Plat of Survey and Topography Provided By R.E. Allen and Associates, Ltd. For Eriksson Engineering Associates on October 17, 2022. File Number 52—15. PROJECT BENCHMARKS

Site Benchmark: Village Of Arlington Heights Monument 39
At The Northeast Corner Of W. Olive Street And Arlington Heights Road. Elevation= 703.13 NAVD88 Easting: 1080071.39 Northing: 1978956.30 J.U.L.I.E.

Note: The Exact Location Of All Utilities Shall Be Verified By The Contractor Prior To Construction Activities. For Utility Locations Call: J.U.L.I.E. 1 (800) 892-0123

Sheet No:

ERIKSSON

ENGINEERING

ASSOCIATES, LTD.

45 COMMERCE DRIVE, SUITE A

GRAYSLAKE, ILLINOIS 60030

PHONE (847) 223-4804 _{FAX} (847) 223-4864

EMAIL INFO@EEA-LTD.COM

PROFESSIONAL DESIGN FIRM

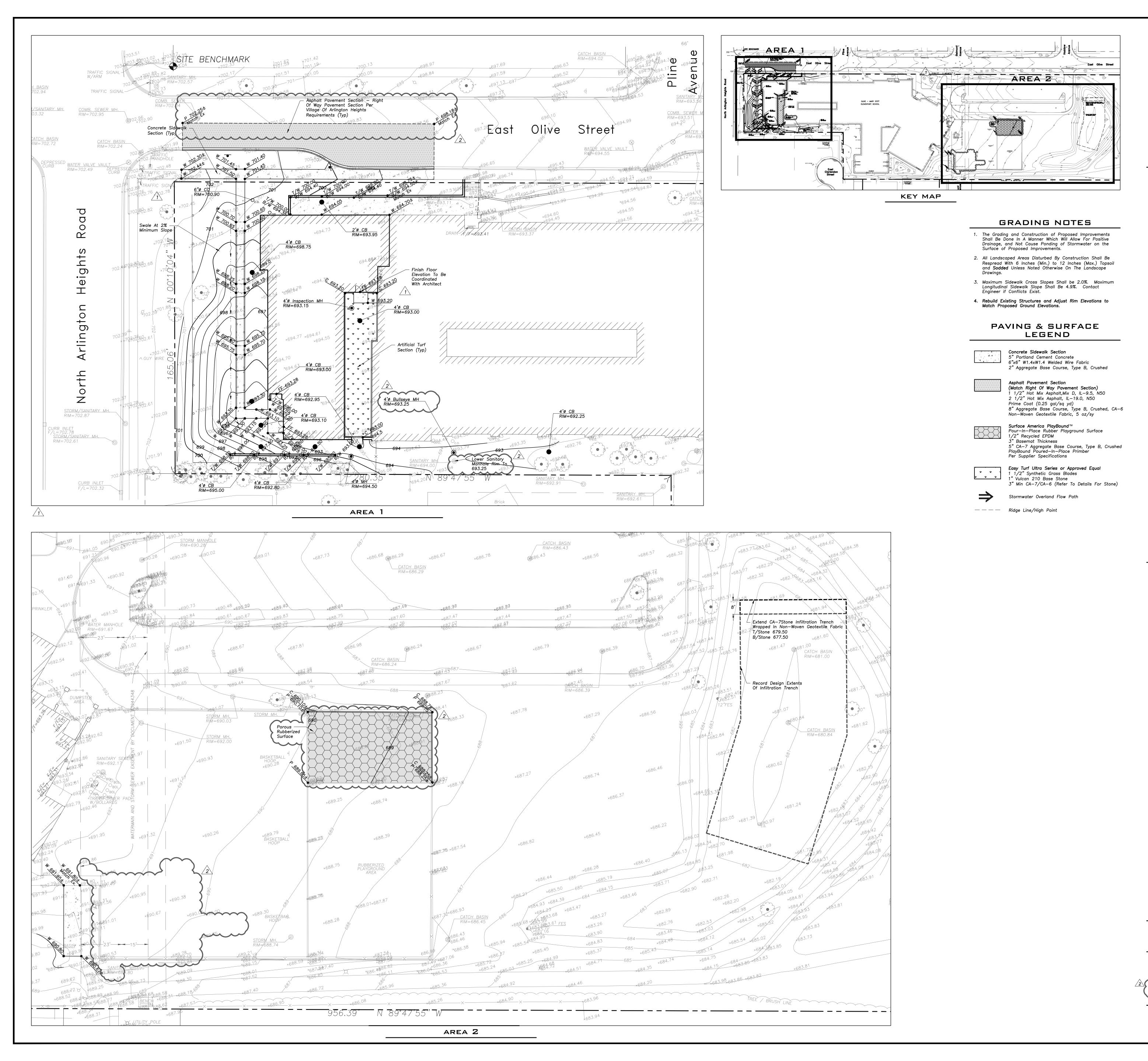
LICENSE No. 184-003220 Expires: 04/30/2023

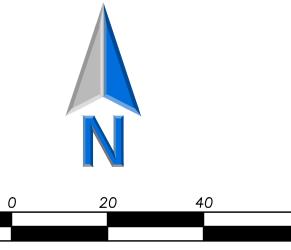
Reserved for Seal:

No. Date Description 11/17/22 ISSUE FOR PLAN COMMISION \ 01/20/23 REVISED FOR PLAN COMMISSIO \ 02/01/23 REVISED FOR PLAN COMMISSION

JC 11/17/2

SITE UTILITY PLAN





Scale: 1"=20'

LEGEND

EXISTING PROPOSED Manhole Catch Basin Area Drain Clean Out Flared End Section Storm Sewer ——)—— Sanitary Sewer ——)— Combined Sewer ——G—— ——ОН—— Overhead Wires ——E—— —__т___ Telephone Line Fire Hydrant

Valve Vault Buffalo Box Downspout Bollard Gas Valve Gas Meter Electric Meter

ComEd Manhole Hand Hole Light Pole Light Pole w/ Mast Arm Utility Pole Telephone Pedestal

x-----x

P 783.25

_ W 782.10

_x 784.0

___T/W_785.20

_____781____

Telephone Manhole Fence

x G 782.00 x P 783.25 × W 782.10 x 784.0 Ground Elevation

× T/W 785.20 Contour Line Deciduous Tree

Coniferous Tree

The Drawings.

Tree Protection Fencing at Drip Line

GENERAL NOTES

- 1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and Is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility In The Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately If Surface and/or Subsurface Features Are Different Than Shown On
- 2. Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
- Contractor Shall Provide Private Utility Locating Services for the Project Area.
- Notify The Owner, Engineer and The Village of Arlington Heights A Minimum of 48 Hours In Advance of Performing
- All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored To Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It is Incumbent Upon Contractor to Show That Damaged Areas Were Not Disturbed By Construction Operations.
- 6. These Drawings Assume That The Contractor Will Utilize An Electronic Drawing File (DWG) to Stake All Site Improvements Accordingly. Contractor Shall Re—Establish Horizontal Control. Horizontal Control Points Not Provided. 7. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson
- Engineering Associates, Ltd. 8. The Engineer Is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This
- Information Shall Contact The Engineer Immediately. Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor In Accordance With The Authorities Having Jurisdiction Which Shall Include As Minimum All Detention Basins and Best Management Practices, Include All Storm and Sanitary Sewers, Structure Locations, Sizes, Rim and Invert Elevations, Watermain and Valve and Appurtenance Locations.
- 10. The Illinois Department Of Transportation Standard Specifications For Road And Bridge Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless Noted Otherwise.

SURVEY PROVIDED BY:

Plat of Survey and Topography Provided By R.E. Allen and Associates, Ltd. For Eriksson Engineering Associates on October 17, 2022. File Number 52—15.

PROJECT BENCHMARKS

Site Benchmark: Village Of Arlington Heights Monument 39 At The Northeast Corner Of W. Olive Street And Arlington Elevation= 703.13 NAVD88 Easting: 1080071.39 Northing: 1978956.30

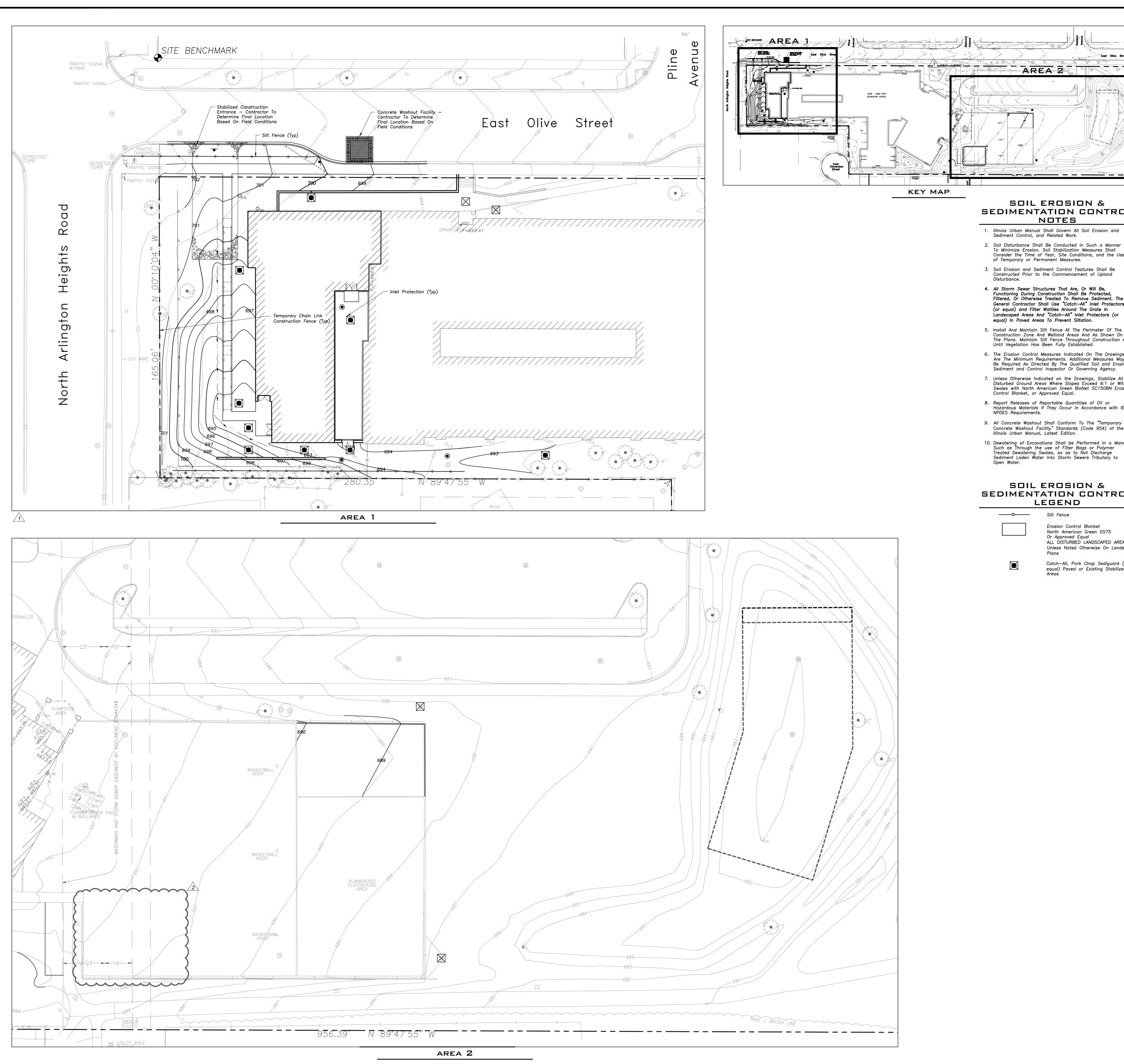
J.U.L.I.E. Note: The Exact Location Of All Utilities Shall Be Verified By The Contractor Prior To Construction Activities. For Utility Locations Call: J.U.L.I.E. 1 (800) 892-0123

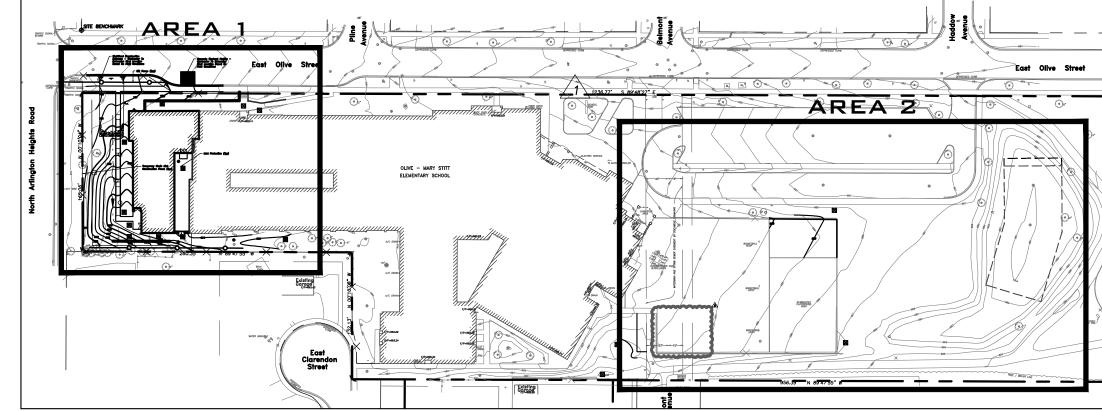
ERIKSSON ENGINEERING ASSOCIATES, LTD. 45 COMMERCE DRIVE, SUITE A GRAYSLAKE, ILLINOIS 60030 PHONE (847) 223-4804 _{FAX} (847) 223-4864 EMAIL INFO@EEA-LTD.COM PROFESSIONAL DESIGN FIRM LICENSE No. 184-003220 Expires: 04/30/2023

Reserved for Seal:

No. Date Description 11/17/22 ISSUE FOR PLAN COMMISION 01/20/23 REVISED FOR PLAN COMMISSION 02/01/23 REVISED FOR PLAN COMMISSION

GRADING AND PAVING PLAN





SOIL EROSION & SEDIMENTATION CONTROL NOTES

- 1. Illinois Urban Manual Shall Govern All Soil Erosion and
- 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.
- 3. Soil Erosion and Sediment Control Features Shall Be Constructed Prior to the Commencement of Upland
- Functioning During Construction Shall Be Protected, Filtered, Or Otherwise Treated To Remove Sediment. General Contractor Shall Use "Catch-All" Inlet Protectors (or equal) and Filter Wattles Around The Grate In Landscaped Areas And "Catch-All" Inlet Protectors (or equal) In Paved Areas To Prevent Siltation.
- Construction Zone And Wetland Areas And As Shown On The Plans. Maintain Silt Fence Throughout Construction And Until Vegetation Has Been Fully Established.
- 6. The Erosion Control Measures Indicated On The Drawings Are The Minimum Requirements. Additional Measures May Be Required As Directed By The Qualified Soil and Erosion Sediment and Control Inspector Or Governing Agency.
- Disturbed Ground Areas Where Slopes Exceed 6:1 or Within Swales with North American Green BioNet SC150BN Erosion Control Blanket, or Approved Equal.
- 8. Report Releases of Reportable Quantities of Oil or Hazardous Materials If They Occur In Accordance with IEPA
- 9. All Concrete Washout Shall Conform To The "Temporary Concrete Washout Facility" Standards (Code 954) of the Illinois Urban Manual, Latest Edition.
- 10. Dewatering of Excavations Shall be Performed in a Manner Such as Through the use of Filter Bags or Polymer Treated Dewatering Swales, so as to Not Discharge Sediment Laden Water Into Storm Sewers Tributary to

SOIL EROSION & SEDIMENTATION CONTROL LEGEND

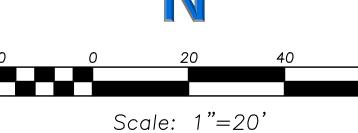
——O—— Silt Fence

Erosion Control Blanket North American Green DS75 Or Approved Equal ALL DISTURBED LANDSCAPED AREAS

> Catch—All, Pork Chop Sediguard (or equal) Paved or Existing Stabilized

Unless Noted Otherwise On Landscape





ERIKSSON

ENGINEERING

ASSOCIATES, LTD.

45 COMMERCE DRIVE, SUITE A GRAYSLAKE, ILLINOIS 60030 PHONE (847) 223-4804 _{FAX} (847) 223-4864 EMAIL INFO@EEA-LTD.COM

PROFESSIONAL DESIGN FIRM LICENSE No. 184-003220 Expires: 04/30/2023

	LEGEND	
	LLULIND	
EXISTING		PROPOSED
	Manhole	lacktriangle
\bigoplus	Catch Basin	
	Inlet	
\triangle	Area Drain	A
O _{c.o.}	Clean Out	$O_{c.o.}$
	Flared End Section	
	Storm Sewer	
	Sanitary Sewer	
	Combined Sewer	
	Water Main	——w—
	Gas Line	——G——
——OH———	Overhead Wires	——он——
—Е——	Electrical Cable (Buried)	——E——
T	Telephone Line	——т ——
A	Fire Hydrant	A

Valve Vault Buffalo Box Downspout Bollard Gas Valve Gas Meter Electric Meter ComEd Manhole Hand Hole Light Pole

Light Pole w/ Mast Arm Utility Pole Telephone Pedestal Telephone Manhole Fence x-----x

Curb & Gutter x G 782.00

P 783.25 x P 783.25 × W 782.10 _ W 782.10 x 784.0 _x 784.0 Ground Elevation × T/W 785.20 ___T/W_785.20 _____781____ Contour Line

Deciduous Tree Coniferous Tree Brushline Tree Protection

Fencing at Drip Line

GENERAL NOTES

- 1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and Is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility In The Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately If Surface and/or Subsurface Features Are Different Than Shown On
- 2. Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
- 3. Contractor Shall Provide Private Utility Locating Services for the Project Area.

The Drawings.

- Notify The Owner, Engineer and The Village of Arlington Heights A Minimum of 48 Hours In Advance of Performing Any Work.
- All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored To Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It is Incumbent Upon Contractor to Show That Damaged Areas Were Not Disturbed By Construction Operations.
- 6. These Drawings Assume That The Contractor Will Utilize An Electronic Drawing File (DWG) to Stake All Site Improvements Accordingly. Contractor Shall Re—Establish Horizontal Control. Horizontal Control Points Not Provided. 7. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson
- Engineering Associates, Ltd. 8. The Engineer Is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This
- Information Shall Contact The Engineer Immediately. Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor In Accordance With The Authorities Having Jurisdiction Which Shall Include As Minimum All Detention Basins and Best Management Practices, Include All Storm and Sanitary Sewers, Structure Locations, Sizes, Rim and Invert Elevations, Watermain and Valve and Appurtenance Locations.
- 10. The Illinois Department Of Transportation Standard Specifications For Road And Bridge Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless Noted Otherwise.

SURVEY PROVIDED BY:

Plat of Survey and Topography Provided By R.E. Allen and Associates, Ltd. For Eriksson Engineering Associates on October 17, 2022. File Number 52—15.

PROJECT BENCHMARKS

Site Benchmark: Village Of Arlington Heights Monument 39 At The Northeast Corner Of W. Olive Street And Arlington Heights Road. Elevation= 703.13 NAVD88 Easting: 1080071.39 Northing: 1978956.30

J.U.L.I.E. Note: The Exact Location Of All Utilities Shall Be Verified By The Contractor Prior To Construction Activities. For Utility Locations Call: J.U.L.I.E. 1 (800) 892-0123

SITE EROSION AND

Sheet No:

SEDIMENT

CONTROL PLAN

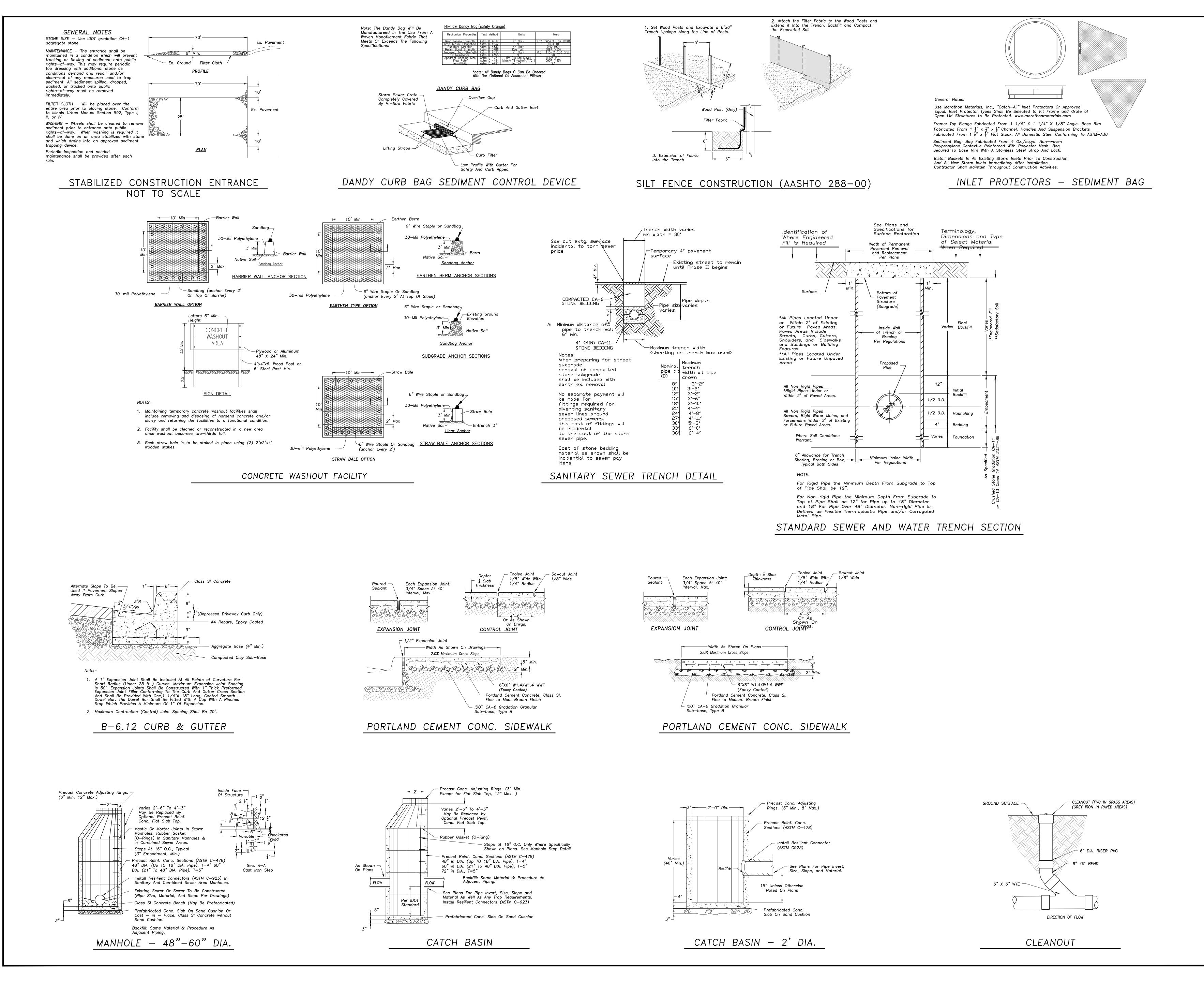
Reserved for Seal:

No. Date Description

11/17/22 ISSUE FOR PLAN COMMISION

01/20/23 REVISED FOR PLAN COMMISSION

\ 02/01/23 REVISED FOR PLAN COMMISSION



ERIKSSON
ENGINEERING
ASSOCIATES, LTD.

145 COMMERCE DRIVE, SUITE A
GRAYSLAKE, ILLINOIS 60030
PHONE (847) 223-4804
FAX (847) 223-4864
EMAIL INFO@EEA-LTD.COM
PROFESSIONAL DESIGN FIRM

PROFESSIONAL DESIGN FIRM LICENSE NO. 184-003220 EXPIRES: 04/30/2023

OLIVE-MARY STITT SCHOOL
LDING ADDITION AND RENOVATION

Reserved for Seal:

No. Date Description

11/17/22 ISSUE FOR PLAN COMMISSION

1 01/20/23 REVISED FOR PLAN COMMISSION

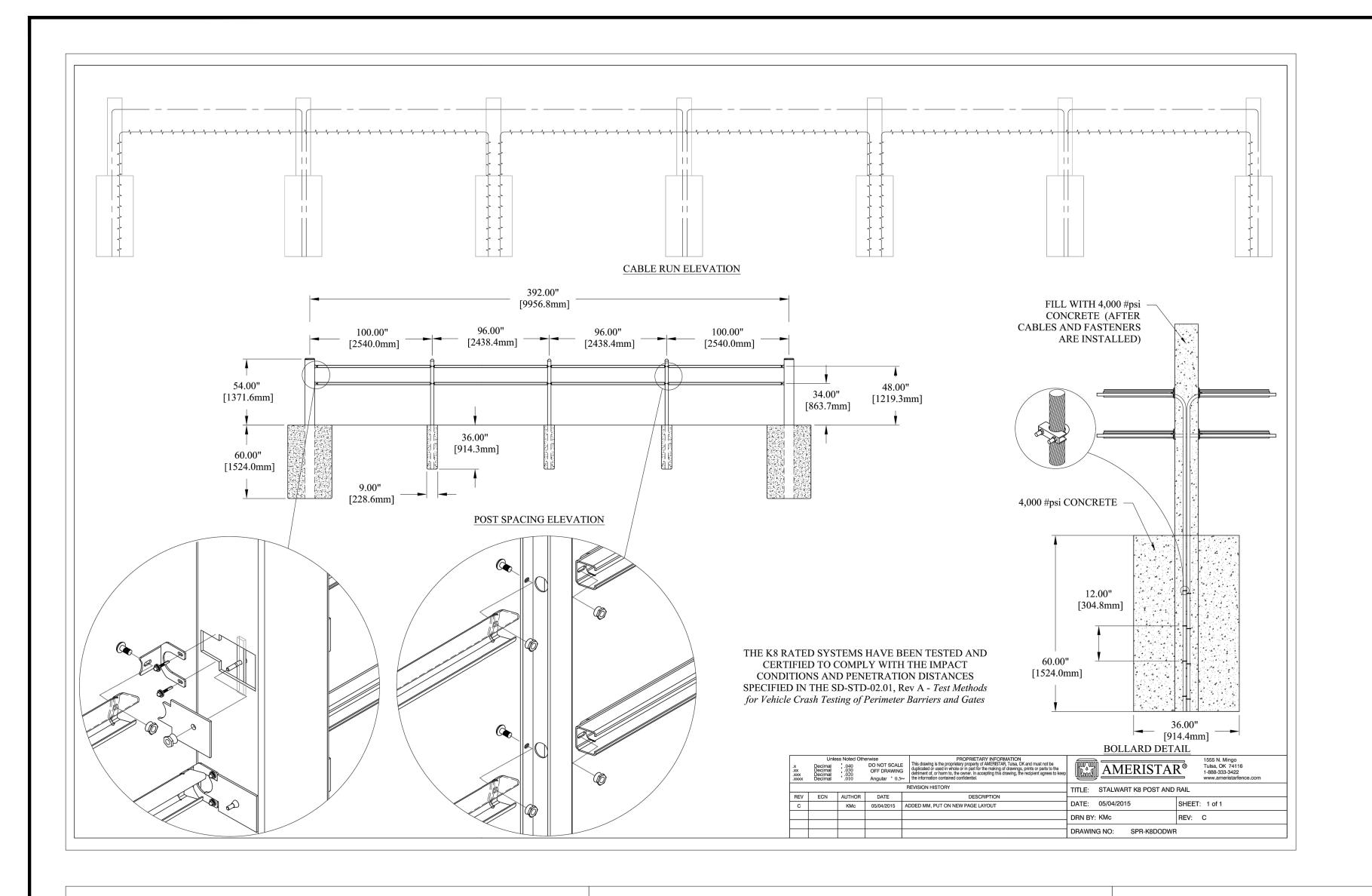
© ERIKSSON ENGINEERING ASSOCIATES, LTD., 2022

THIS PLAN & DESIGN ARE THE PROPERTY OF ERIKSSON ENGINEERING ASSOCIATES, LTD. OR REPRODUCTION OF ANY PART OF THESE PLANS IS PERMITTED WITHOUT THE WRITTE CONSENT OF ERIKSSON ENGINEERING ASSOCIATES, LTD.

Design By: Approved By: Date:

MC JC 11/17/22

SITE WORK
DETAILS







The contractor shall provide all labor, materials and appurtenances necessary for installation of the anti-ram barrier system defined herein at (specify project site).

1.02 RELATED WORK Section ____ - Earthwork Section ____ - Concrete

1.03 SYSTEM DESCRIPTION

The manufacturer shall supply a total anti-ram cable barrier system of the Ameristar® Stalwart® K8 (DOD-USACE) Post & Rail design. The system shall include all components (i.e., cables, supports, posts, and hardware) required. The barrier shall comply with Ameristar's System Drawing Number SPR-K8DOD-WR.

1.04 QUALITY ASSURANCE The contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction

involved and materials and techniques specified. 1.05 REFERENCES

 ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.

ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.

 ASTM D523 - Test Method for Specular Gloss. ASTM D714 - Test Method for Evaluating Degree of Blistering in Paint.

 ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus. ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive

ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color

 ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact). ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.

 ASTM F2656 – Standard Test Method for Vehicle Crash Testing of Perimeter Barriers Federal Specification RR-W-410E / Wire Rope and Strand.

1.06 SUBMITTAL The manufacturer's literature shall be submitted prior to installation.

1.07 PRODUCT HANDLING AND STORAGE Upon receipt at the job site, all materials shall be checked to ensure that no damage occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism and theft.

PART 2 – MATERIALS 2.01 MANUFACTURER

A. The anti-ram cable barrier system shall conform to the Stalwart K8 Post & Rail design, recognized by DOD-USACE, manufactured by Ameristar Fence Products, Inc., in Tulsa, Oklahoma. This system shall be tested and certified by the U.S. Department of State Bureau of Diplomatic Security Division standard SD-STD-02.01 (Revision A), Impact Condition Designation K8, Penetration Rating L2, with capability of stopping a 15,000 lb vehicle traveling at speeds up to 40mph.

B. The entire anti-ram barrier system, and all associated gates, accessories, fittings, and fasteners shall be obtained from a single source. Stalwart Post & Rail

K8 (DOD-USACE) Specification

Ameristar Fence Products

Rev. 06/06/2012

A. Steel material for cable-supporting framework (i.e., rails and posts) shall be galvanized prior to forming and shall conform to the requirements of ASTM A653/A653M, with a minimum yield strength of 45,000 psi (310 MPa). The steel shall be hot-dip galvanized to meet the requirements of ASTM A653/A653M with a minimum zinc coating weight of 0.90 oz/ft² (276 g/m²), Coating Designation G-90.

B. The cross-sectional shape of the rails shall conform to the manufacturer's Impasse Π^{\otimes} rail design a nominal 2" x 2" x 11 GA. Tamperproof fasteners shall be used to fasten each post to rail connection. Posts shall conform to the manufacturer's Impasse II I-Beam design with a nominal 3" x 2.75" x 12 Ga.

C. The cable material shall be Independent Wire-Rope Core (IWRC) wire rope conforming to Federal Specification RR-W-410E, 6 x 36 Warrington Seale, preformed, right regular lay, medium lubrication, Extra Improved Plow Steel (EIPS), with a breaking strength of 103,400 pounds (51.7 tons). Cable diameter shall be 1 inch.

2.03 FABRICATION A. Rails and posts shall be pre-cut to specified lengths. Impasse II rails shall be pre-punched to accept the tamperproof security fasteners. Impasse II I-beam posts shall be pre-punched to accept bracket, rail, and post attachment. Stalwart bollard posts shall be pre-punched to accept cable, bracket, and rail attachment.

B. The manufactured galvanized framework shall be subjected to the PermaCoat® thermal stratification coating process (high-temperature, in-line, multi-stage, multi-layer) including, as a minimum, a six-stage pretreatment/wash (with zinc phosphate), an electrostatic spray application of an epoxy base, and a separate electrostatic spray application of a polyester finish. The base coat shall be a thermosetting epoxy powder coating (gray in color) with a minimum thickness of 2 mils (0.0508mm). The topcoat shall be a "no-mar" TGIC polyester powder coat finish with a minimum thickness of 2 mils (0.0508mm). The color shall be (specify black, bronze, white or desert sand). The stratification-coated framework shall be capable of meeting the performance requirements for each quality characteristic shown in Table 1.

Table 1 – Coating Performance Requirements		
Quality Characteristics	ASTM Test Method	Performance Requirements
Adhesion	D3359 – Method B	Adhesion (Retention of Coating) over 90% of test area
		(Tape and knife test).
Corrosion Resistance	B117, D714 & D1654	Corrosion Resistance over 3,500 hours (Scribed per
		D1654; failure mode is accumulation of 1/8" coating 1
		from scribe or medium #8 blisters).
Impact Resistance	D2794	Impact Resistance over 60 inch lb. (Forward impact u
		0.625" ball).
Weathering Resistance	D822 D2244, D523 (60°	Weathering Resistance over 1,000 hours (Failure mod
	Method)	60% loss of gloss or color variance of more than 3 del
		1 1 1

PART 3 - EXECUTION

3.01 PREPARATION A. The purchaser shall indicate the location of barrier line with suitable stakes. Stake intervals shall not exceed 500 ft or line of sight.

B. The purchaser shall indicate all underground utility locations, USC&G benchmarks, property monuments, and other underground structures.

C. Before installing the Stalwart® Anti-Ram Cable System, all necessary site clearing and grading shall be performed by the purchaser. An adequate clearance on both sides of the cable barrier line is required.

Stalwart Post & Rail K8 (DOD-USACE) Specification Ameristar Fence Products Rev. 06/06/2012

3.02 INSTALLATION

Stalwart Post & Rail K8 (DOD-USACE) Specification

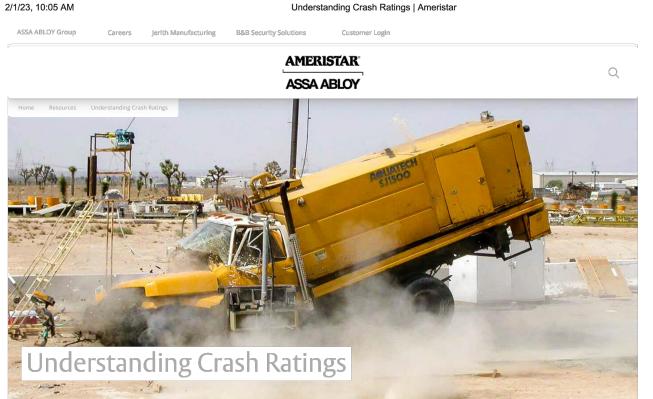
A. The barrier shall be installed per Ameristar's System Drawing Number SPR-K8DOD-WR. Fence rails, brackets, cabling, and fasteners shall be installed according to installation instructions and drawings. Posts and bollards shall be installed per product drawings and installation instructions. The "Earthwork" and "Concrete" sections of this specification shall govern material requirements for the concrete footer unless otherwise specified by the product drawings or installation instructions.

3.03 FENCE INSTALLATION MAINTENANCE

When cutting/drilling rails or posts adhere to the following steps to seal the exposed steel surfaces; 1) Remove all metal shavings from cut area. 2) Apply zinc-rich primer to thoroughly cover cut edge and/or drilled hole; let dry. 3) Apply 2 coats of custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty. Ameristar spray cans or paint pens shall be used to prime and finish exposed surfaces; it is recommended that paint pens be used to prevent overspray. Use of non-Ameristar parts or components will negate the manufactures' warranty.

3.04 CLEANING The contractor shall clean the jobsite thoroughly to ensure it is left neat and free of any debris caused by the installation of the cable system.

Ameristar Fence Products



What are Crash Ratings?

Crash ratings are given to products that are designed to stop vehicular attacks in order to determine their effectiveness. Typically crash ratings are determined by three factors:

- How heavy the vehicle is
- How fast the vehicle is travelling How far past the barrier the vehicle travels

M-Ratings vs. K-Ratings

K-Ratings (old ratings) The K-ratings were first developed in 1985 (revised 2003) by the Department of State. The product was given certification based on how far the front bumper of a 15,000 lb. vehicle travelled past the barrier. The K-ratings also limited certification to 50' or less past the barrier. M-Ratings (new ratings)

The new M-ratings have since replaced K-ratings and are governed by the American Society for Testing and Materials (ASTM). The primary difference is that certification is given based on how far the payload travels past the barrier. Additionally there is no limit to how far the vehicle can travel past the barrier to be certified. According to the ASTM, anything that travels beyond 98.41' can be given a P4 certification.

The following infographic displays certified and engineered (denoted by *) products.

https://www.ameristarperimeter.com/us/en/resources/crash-ratings

Rev. 06/06/2012



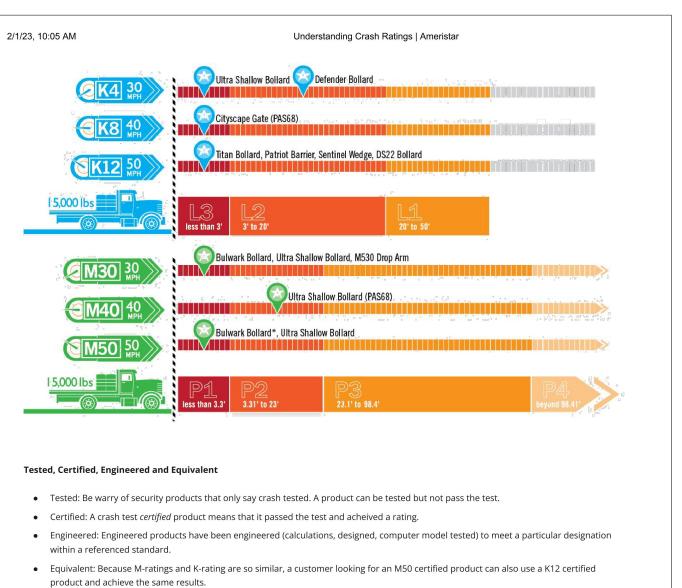
International Ratings

Ameristar also offers several products that are crash test certified to international ratings such as PAS68. Equivalent ratings are noted on product pages if available. **ASTM Vehicle Types**

The ASTM has developed crash certifications for different types of vehicles. Ameristar offers products with M-ratings and PU-ratings. The vehicle

- types are as follows: C-ratings: small passenger car (2430 lb.)
- PU-ratings: pickup truck (5070 lb.)
- M-ratings: medium-duty truck (15,000 lb.) H-ratings: heavy goods vehicle (65,000 lb.)

https://www.ameristarperimeter.com/us/en/resources/crash-ratings



Reserved for Seal:

No.	Date	Description
	11/17/22	ISSUE FOR PLAN COMMISION
1	01/20/23	REVISED FOR PLAN COMMISSION
2	02/01/23	REVISED FOR PLAN COMMISSION

ERIKSSON

ENGINEERING

ASSOCIATES, LTD.

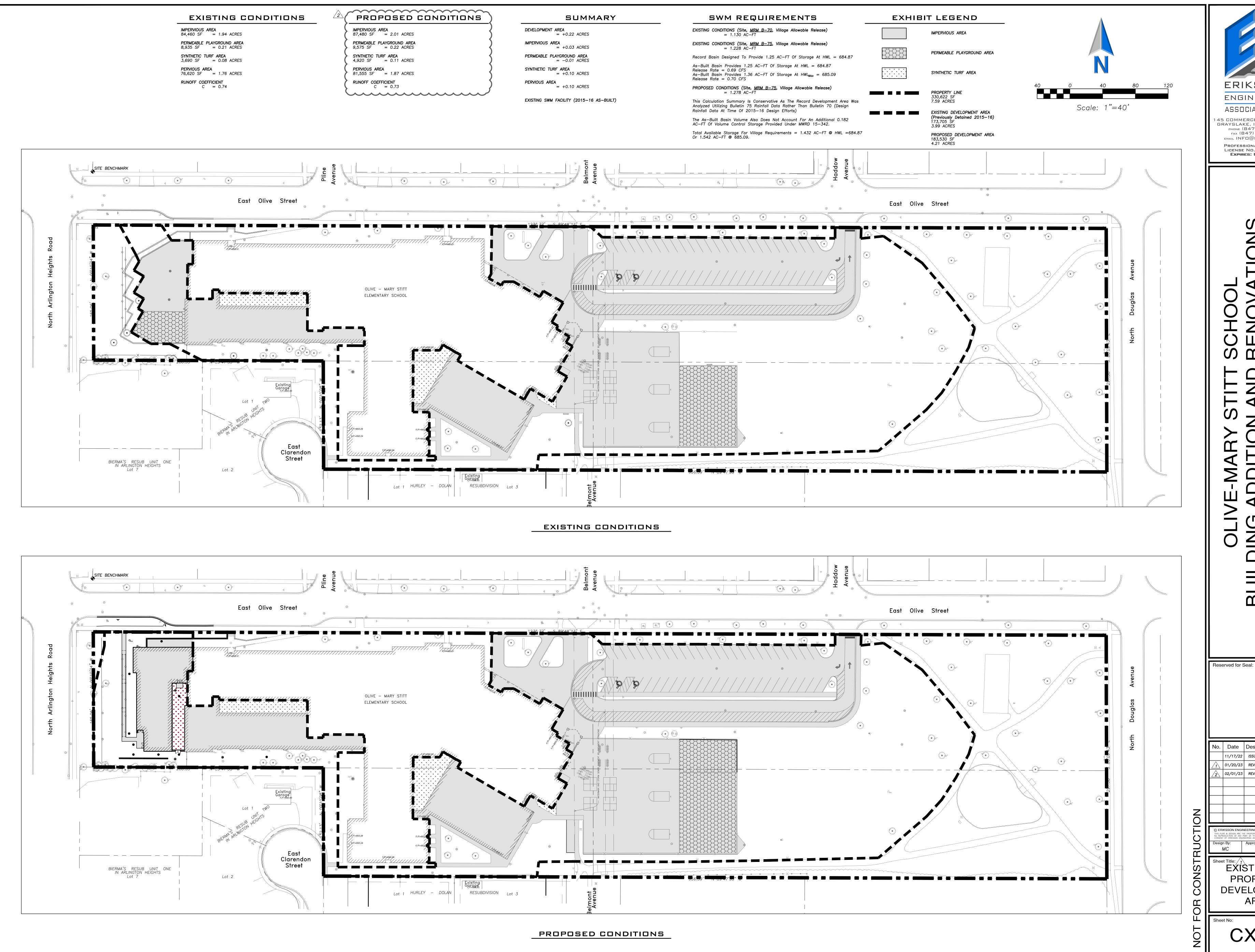
45 COMMERCE DRIVE, SUITE A GRAYSLAKE, ILLINOIS 60030 PHONE (847) 223-4804 FAX (847) 223-4864

EMAIL INFO@EEA-LTD.COM

PROFESSIONAL DESIGN FIRM LICENSE No. 184-003220

Expires: 04/30/2023

SITE WORK **DETAILS**

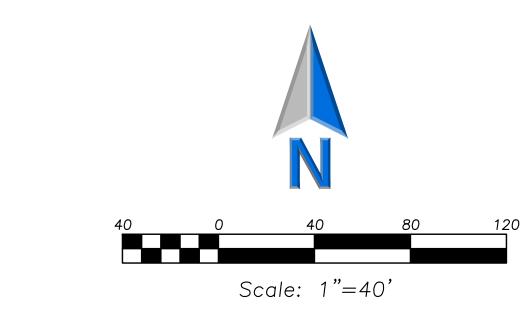


ERIKSSON ENGINEERING ASSOCIATES, LTD. 145 COMMERCE DRIVE, SUITE A GRAYSLAKE, ILLINOIS 60030 PHONE (847) 223-4804 _{FAX} (847) 223-4864 EMAIL INFO@EEA-LTD.COM PROFESSIONAL DESIGN FIRM LICENSE NO. 184-003220 EXPIRES: 04/30/2023

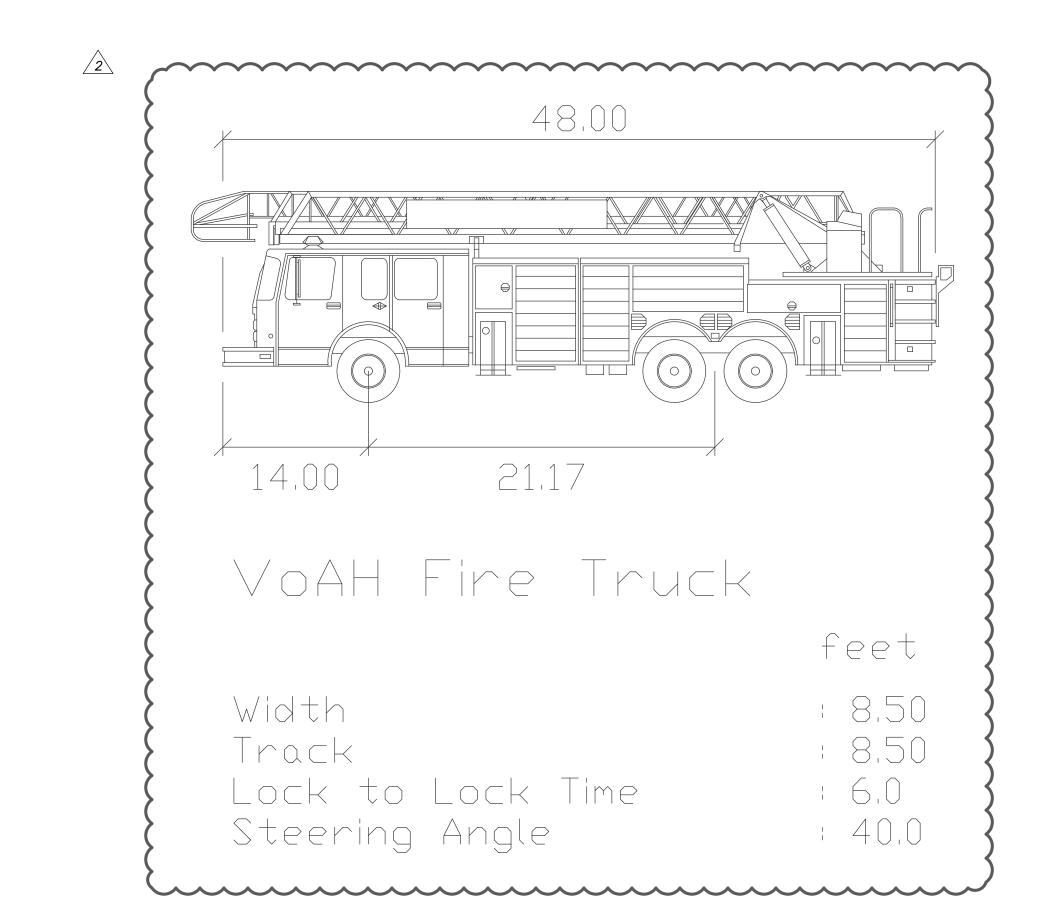
No. Date Description 11/17/22 ISSUE FOR PLAN COMMISION 01/20/23 REVISED FOR PLAN COMMISSIO

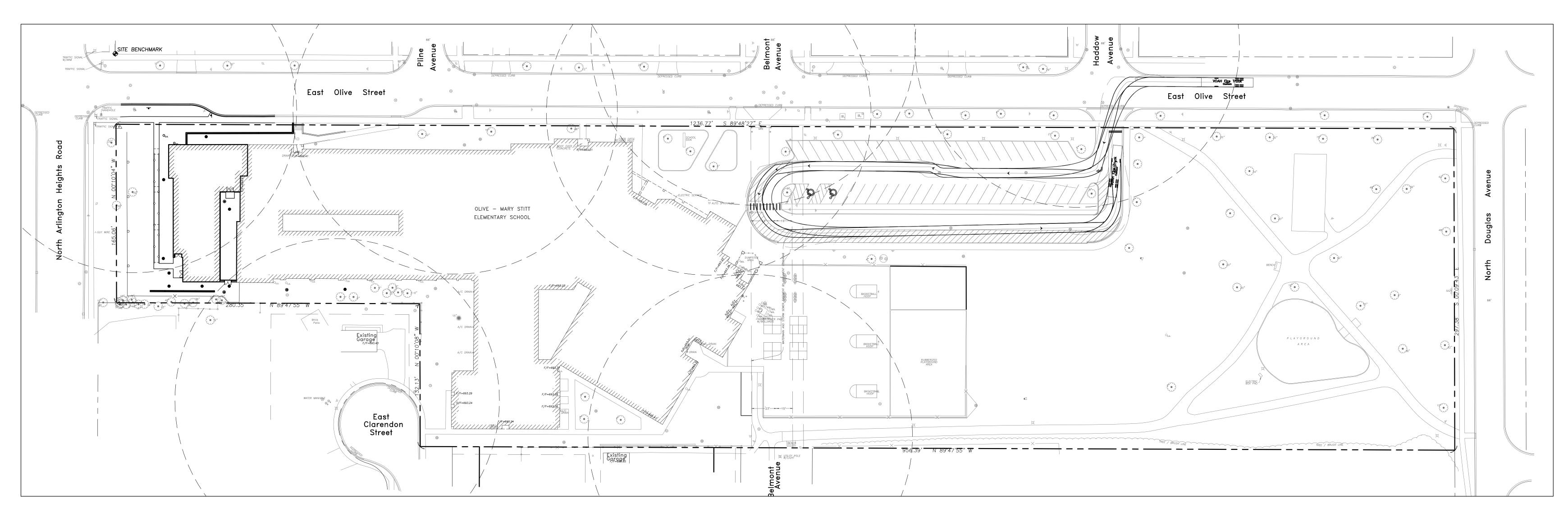
EXISTING VS. PROPOSED DEVELOPMENT AREA

CX101









BUILDING ADDITION AND RENOVATION

Date Description

11/17/22 ISSUE FOR PLAN COMMISSION

01/20/23 REVISED FOR PLAN COMMISSION

02/01/23 REVISED FOR PLAN COMMISSION

AN & DESIGN ARE THE PROPERTY OF ERIKSSON ENGINEERING ASSOCIATES, LTD., 2022

AN & DESIGN ARE THE PROPERTY OF ERIKSSON ENGINEERING ASSOCIATES, LTD.

RODUCTION OF ANY PART OF THESE PLANS IS PERMITTED WITHOUT THE WRITTEN IT OF ERIKSSON ENGINEERING ASSOCIATES, LTD.

BY: Approved By: Date:

MC JC 11/17/22

VILLAGE FIRE
TRUCK EXHIBIT

CX201