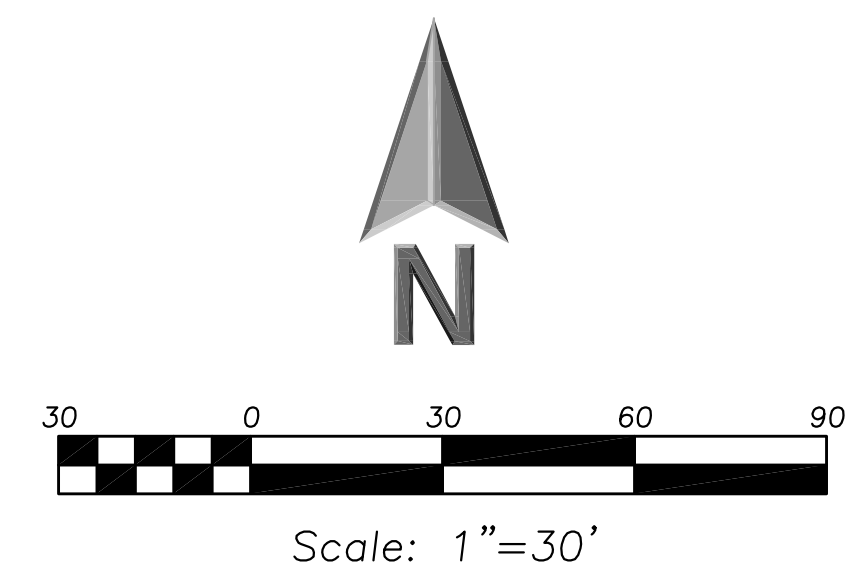
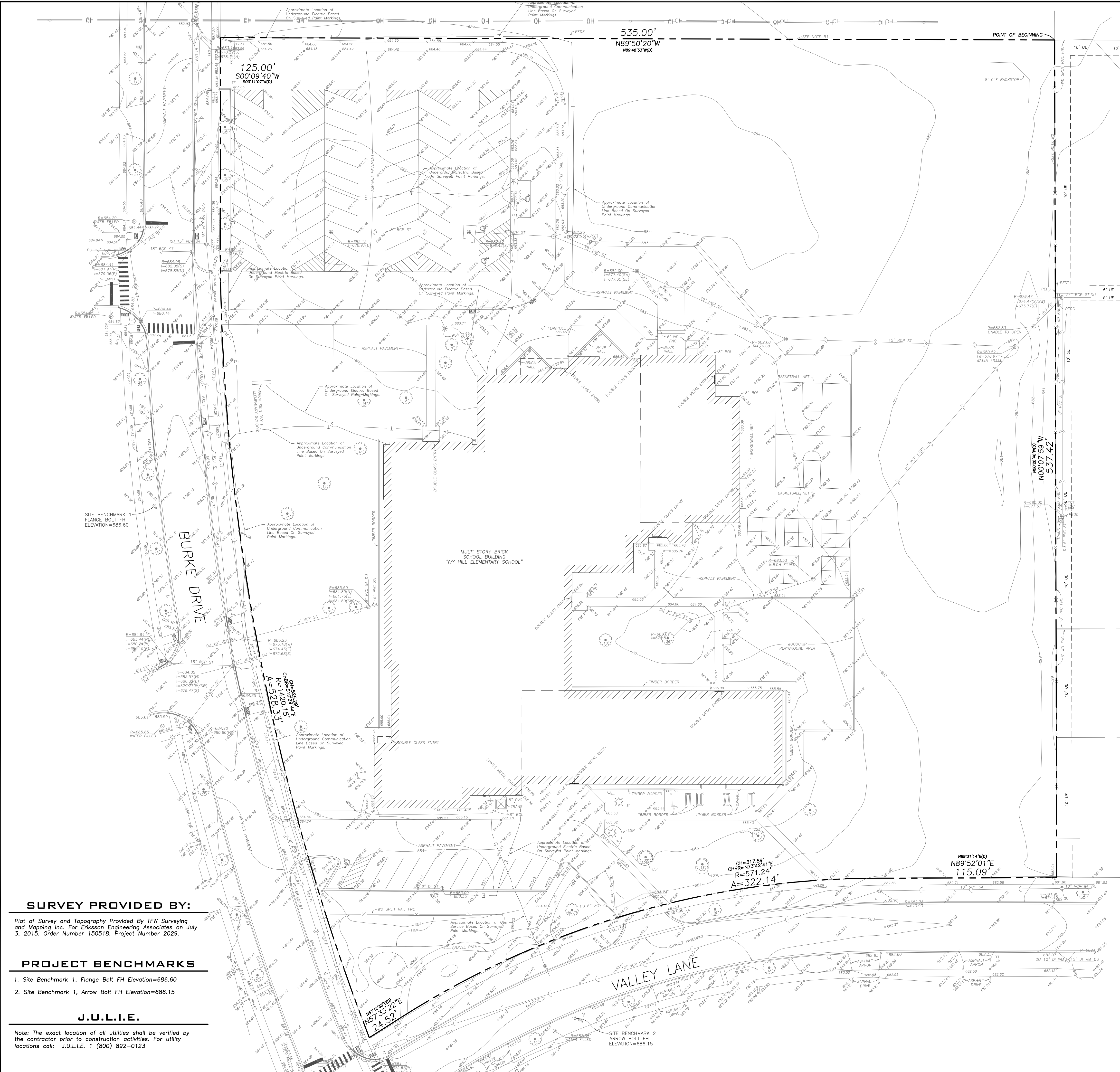


EEA - P:\Josh\Arlington Heights School Dist 25\Drawings\2015 Ivy Hill Addition-Siteplan.dwg  
 Plotted: 7/07/15 @ 12:04pm By: jcop



**LEGEND**

- |  |                                      |
|--|--------------------------------------|
|  | Manhole                              |
|  | Catch Basin                          |
|  | Area Drain                           |
|  | Clean Out                            |
|  | Flared End Section                   |
|  | Storm Sewer                          |
|  | Sanitary Sewer                       |
|  | Combined Sewer                       |
|  | Water Main                           |
|  | Gas Line                             |
|  | Overhead Wires                       |
|  | Electrical Cable (Buried)            |
|  | Telephone Line                       |
|  | Fire Hydrant                         |
|  | Valve Vault                          |
|  | Buffalo Box                          |
|  | Downspout                            |
|  | Gas Valve                            |
|  | ComEd Manhole                        |
|  | Hand Hole                            |
|  | Light Pole                           |
|  | Utility Pole                         |
|  | Telephone Pedestal                   |
|  | Telephone Manhole                    |
|  | Sign                                 |
|  | Fence                                |
|  | Accessible Parking Stall             |
|  | Curb & Gutter                        |
|  | Depressed Curb                       |
|  | Gutter Elevation                     |
|  | Pavement Elevation                   |
|  | Sidewalk Elevation                   |
|  | Ground Elevation                     |
|  | Top of Retaining Wall Elevation      |
|  | Swale                                |
|  | Contour Line                         |
|  | Deciduous Tree                       |
|  | Coniferous Tree                      |
|  | Brushline                            |
|  | Tree Protection Fencing at Drip Line |

**GENERAL NOTES**

- The Location of Existing Underground Utilities, Such as Watermain, 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.
- Notify the Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
- Notify the Owner, Engineer and the 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.
- These Drawings Assume That the Contractor Will Utilize an Electronic Drawing File (DWG) and Stake All Site Improvements Accordingly.
- No Person May Utilize the Information Contained Within These Drawings Without Written Approval From Eriksson Engineering Associates, Ltd.
- 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 May Include All Detention Basins, Including All Storm and Sanitary Sewers and Structure Locations, Sizes, Rim and Invert Elevations, Final Detention Volume Calculations For the Basin(s) and Watermain and Valve and Appurtenance Locations.
- 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:**

Plot of Survey and Topography Provided by TFW Surveying and Mapping Inc. For Eriksson Engineering Associates on July 3, 2015. Order Number 150518. Project Number 2029.

**PROJECT BENCHMARKS**

- Site Benchmark 1, Flange Bolt FH Elevation=686.60
- Site Benchmark 1, Arrow Bolt FH Elevation=686.15

**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.**  
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 PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 184-003220  
 EXPIRES: 04/30/2017

**IVY HILL ELEMENTARY SCHOOL  
 2015 BUILDING ADDITION**  
 2211 N. Burke Dr.  
 Arlington Heights, Illinois

Reserved for Seal:

Expiration Date: \_\_\_\_\_

No.	Date	Description

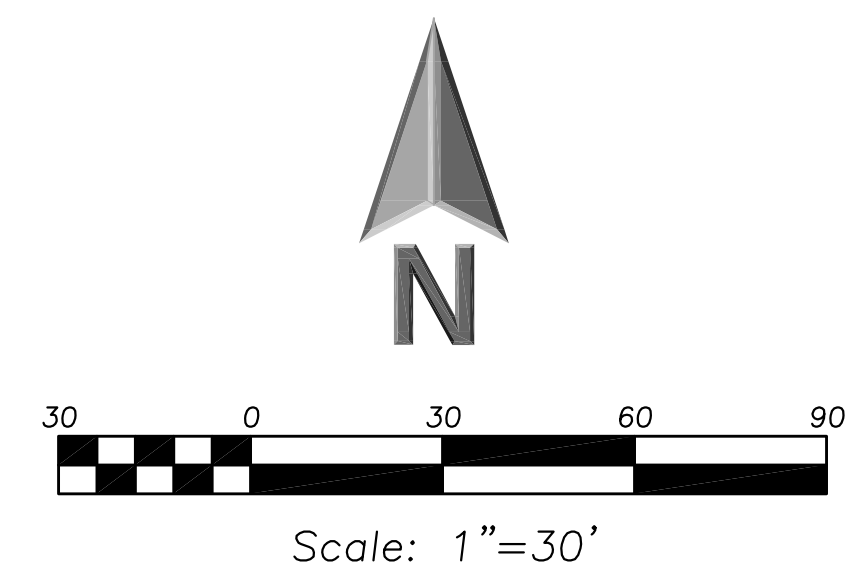
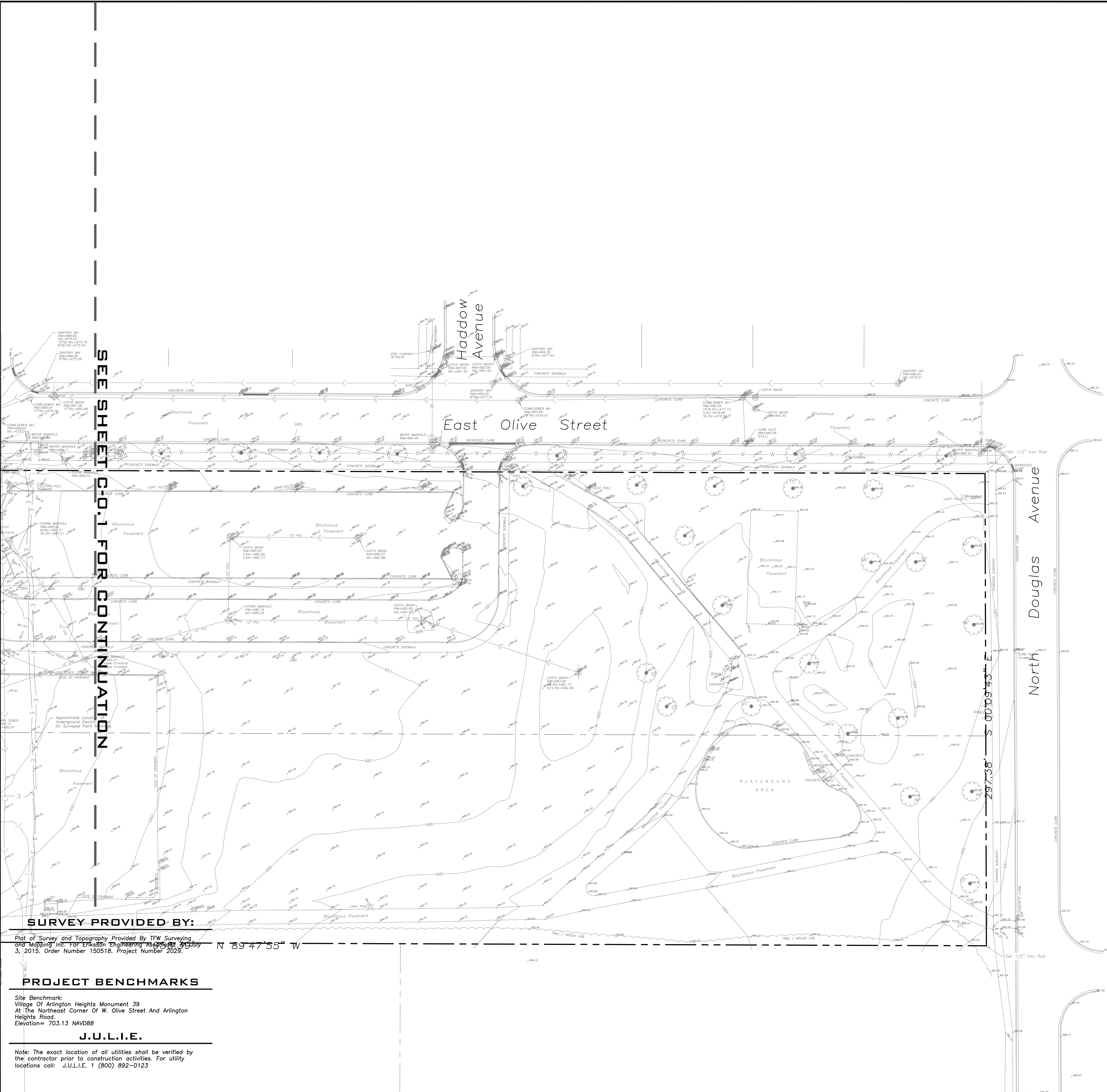
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 Design By: JC Date: 06/06/15  
 Approved By: KC Project No.:

**EXISTING CONDITIONS**

Sheet No:  
**C-0.1**



EEA - P:\Josh\Arlington Heights School Dist 25\Drawings\Siteplan-Olive Mary-Stitt Addition NEW.dwg  
 Plotted: 7/09/15 @ 2:44pm By: jcap



**LEGEND**

- |   |                                      |
|---|--------------------------------------|
| ⊕ | Manhole                              |
| ⊙ | Catch Basin                          |
| ⊖ | Area Drain                           |
| ⊕ | Clean Out                            |
| ⊕ | Flared End Section                   |
| ⊕ | Storm Sewer                          |
| ⊕ | Sanitary Sewer                       |
| ⊕ | Combined Sewer                       |
| ⊕ | Water Main                           |
| ⊕ | Gas Line                             |
| ⊕ | Overhead Wires                       |
| ⊕ | Electrical Cable (Buried)            |
| ⊕ | Telephone Line                       |
| ⊕ | Fire Hydrant                         |
| ⊕ | Valve Vault                          |
| ⊕ | Buffalo Box                          |
| ⊕ | Downspout                            |
| ⊕ | Gas Valve                            |
| ⊕ | ComEd Manhole                        |
| ⊕ | Hand Hole                            |
| ⊕ | Light Pole                           |
| ⊕ | Utility Pole                         |
| ⊕ | Telephone Pedestal                   |
| ⊕ | Telephone Manhole                    |
| ⊕ | Sign                                 |
| ⊕ | Fence                                |
| ⊕ | Accessible Parking Stall             |
| ⊕ | Curb & Gutter                        |
| ⊕ | Depressed Curb                       |
| ⊕ | Curb Elevation                       |
| ⊕ | Gutter Elevation                     |
| ⊕ | Pavement Elevation                   |
| ⊕ | Sidewalk Elevation                   |
| ⊕ | Ground Elevation                     |
| ⊕ | Top of Retaining Wall Elevation      |
| ⊕ | Swale                                |
| ⊕ | Contour Line                         |
| ⊕ | Deciduous Tree                       |
| ⊕ | Coniferous Tree                      |
| ⊕ | Brushline                            |
| ⊕ | Tree Protection Fencing at Drip Line |

**GENERAL NOTES**

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- Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
- Notify The Owner, Engineer and The A Minimum of 48 Hours in Advance of Performing Any Work.
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- Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor in Accordance With The Authorities Having Jurisdiction Which May Include All Detention Basins, Including All Storm and Sanitary Sewers and Structure Locations, Sizes, Rim and Invert Elevations, Final Detention Volume Calculations For The Basin(s) and Watermain and Valve and Appurtenance Locations.
- 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.

SEE SHEET CO-1 FOR CONTINUATION

**SURVEY PROVIDED BY:**  
 Plot of Survey and Topography Provided By TFW Surveying and Mapping Inc. For Eriksson Engineering Associates, July 3, 2015. Order Number 150918. Project Number 2029.

**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

**J.U.L.I.E.**

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 EMAIL INFO@EEA-LTD.COM  
 PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 184-003220  
 EXPIRES: 04/30/2017

**OLIVE-MARY STITT SCHOOL  
 2015 BUILDING ADDITION  
 303 E Olive St.  
 Arlington Heights, Illinois**

Reserved for Seal:

Expiration Date: \_\_\_\_\_

No.	Date	Description

Design By: JC	Date: 06/06/15
Approved By: KC	Project No.:

Sheet Title:  
**EXISTING  
 CONDITONS**

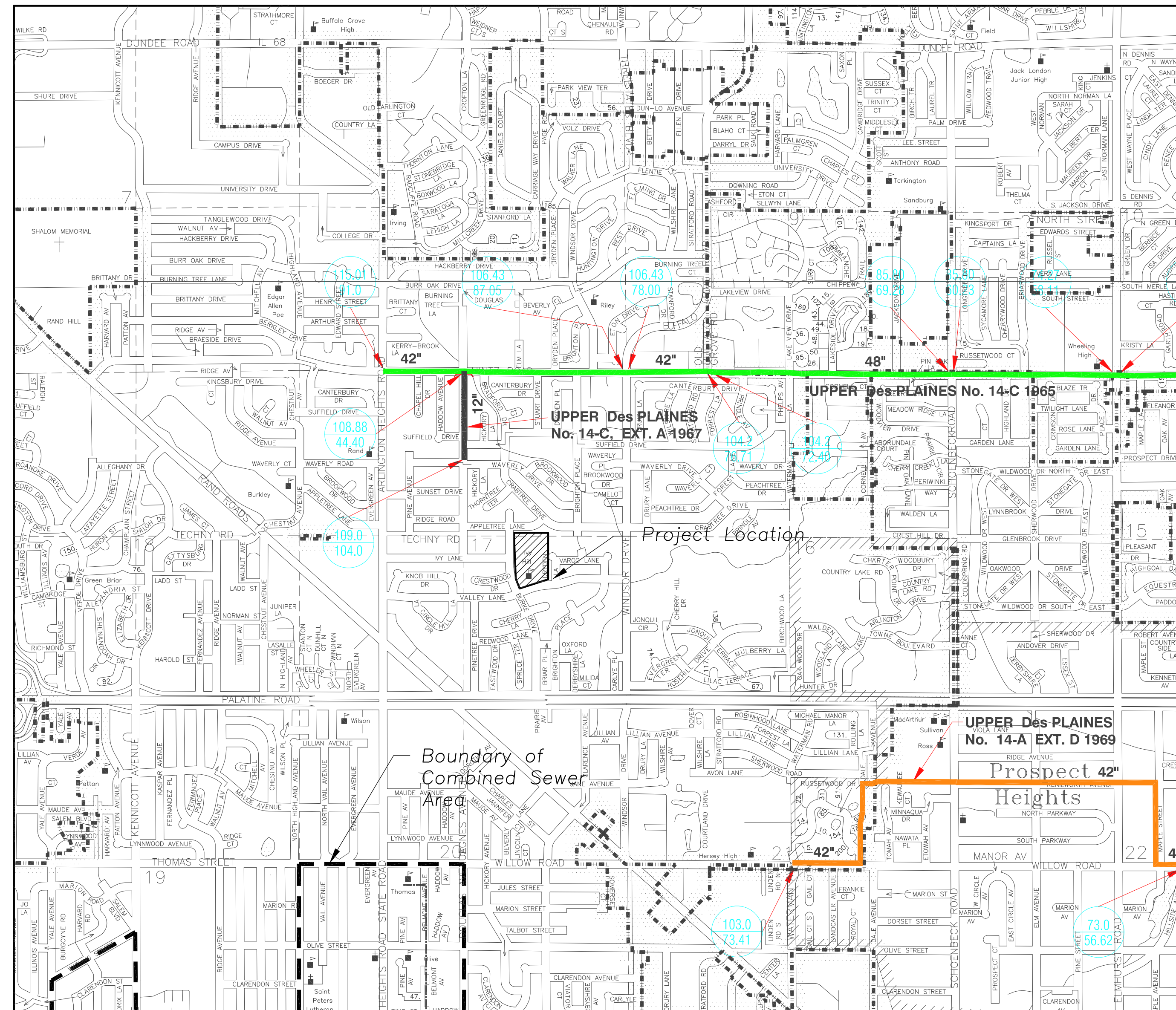
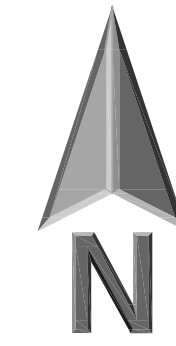
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# IVY HILL ELEMENTARY SCHOOL ADDITION AND RENOVATIONS

2211 N. Burke Dr.  
Arlington Heights, IL 60004



## SHEET INDEX

C-0.0	Cover Sheet
C-0.1	General Notes
C-1.1	Site Demolition Plan
C-2.1	Site Geometry Plan
C-3.1	Site Utility Plan
C-4.1	Grading and Paving Plan
C-5.1	Soil Erosion and Sediment Control Plan
C-6.1	Site Details
CX-7.1	Autoturn Exhibit
CX-7.2	Project Disturbance
TP100	Tree Preservation Plan
L100	Landscape Plan

## SURVEY PROVIDED BY:

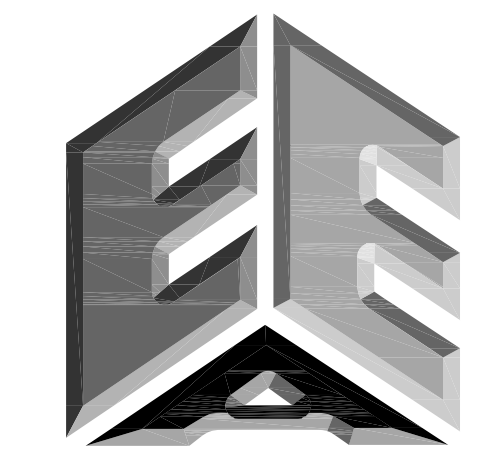
Plat of Survey and Topography Provided By TFW Surveying and Mapping Inc. For Eriksson Engineering Associates on July 3, 2015. Order Number 150518. Project Number 2029.

## PROJECT BENCHMARKS

1. Site Benchmark 1, Flange Bolt FH Elevation=686.60  
2. Site Benchmark 1, Arrow Bolt FH Elevation=686.15  
Datum: NAVD88

**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



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IVY HILL ELEMENTARY SCHOOL  
ADDITION AND RENOVATIONS  
2211 N. Burke Dr.  
Arlington Heights, Illinois

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No. Date Description

No.	Date	Description

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Design By: JC Date: 06/06/15

Approved By: KC Project No.:

Sheet Title:

**COVER SHEET**

Sheet No:

**C-0.0**

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.

Dated This \_\_\_\_\_ day Of \_\_\_\_\_, A.D., 20\_\_\_\_\_

Owner Or Agent \_\_\_\_\_ Engineer \_\_\_\_\_



**DEMOLITION NOTES**

- All Signs to Be Removed Shall Be Salvaged and Stored in the Owner's Facility for Future Use as Applicable.
- Keep All Village Of Arlington Heights Streets Free and Clear of Construction Related Dirt/Dust/Debris.
- Coordinate Existing Utility Removal with Local Authorities and Utility Companies Having Jurisdiction.
- Coordinate Removal of Overhead Wires And Utility Poles With Authorities Having Jurisdiction And Respective Utility Providers.
- 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 Operations.
- 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.
- Provide and Maintain All Necessary Traffic Control and Safety Measures Required During Demolition and Construction Operations Within or Near the Public Roadway.
- 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 For A Variance From This Procedure.
- 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 Much for Proposed Landscaping Where Applicable and Acceptable to Architect.
- Provide Tree Protection Fencing Prior to Construction Operations. Maintain Throughout Construction.

**GEOMETRY NOTES**

- 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.
- All Pavement Striping Shall Be 4" Wide Yellow Paint Per Specifications. All Cross Hatch Striping Shall Be 45° At 2'-0" Centers.
- All Accessible Parking Signs (R7-8) Must Be Placed at the Center of the Space and Within 5 Feet of the Space.
- Refer to Architectural Drawings for Exact Locations of All Buildings.
- Refer to Architectural Drawings for Locations and Details of All Permanent Site Fencing.

**GRADING NOTES**

- The Grading and Construction of Proposed Improvements Shall Be Done in A Manner Which Will Allow For Positive Drainage, and Not Cause Ponding of Stormwater on the Surface of Proposed Improvements.
- All Landscaped Areas Disturbed By Construction Shall Be Reseeded With 6 Inches (Min.) to 12 Inches (Max.) Topsoil and Sod Unless Noted Otherwise On The Landscape Drawings.
- Refer to Architectural Drawings for Locations and Patterns of Expansion and Control Joints in Concrete Pavement and Sidewalks.
- Accessible Parking Spaces and Loading Spaces Shall Be Sloped at Maximum 2.0% in Any Direction. Maximum Sidewalk Cross Slopes Shall be 2.0%. Maximum Longitudinal Sidewalk Slope Shall Be 4.9%. Contact Engineer if Conflicts Exist.

**UTILITY NOTES**

- 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.
- Refer to Plumbing Drawings for Continuation of All Utilities Within 5 Feet of Building Face.
- 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.
- 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.
- 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.
- 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.
- Clean Out All Existing and Proposed Storm Inlets and Catch Basins at the Completion of Construction.
- The "Standard Specifications for Water and Sewer Main Construction in Illinois", Current Edition Shall Govern Work Where Applicable.

**STRUCTURE NOTES**

- All Catch Basins to Be Installed in Paved Areas Shall Have Neenah R2504-D Frame & Grate or Approved Equal.
- All Catch Basins to Be Installed in Landscaped Areas Shall Have Neenah R434D-B Frame & Grate or Approved Equal. For Cone Sections Install a Minimum of 4" Grade Rings For Topsoil Reseal. For Flat Slab Tops Install the Following Minimum Height of Grade Rings:  
4" Diameter Structure- 4"  
5" Diameter Structure- 6"  
6" Diameter Structure- 8"
- All Catch Basins to Be Installed Along Curb and Gutter (B-6.12) Shall Have Neenah R3281-A Frame & Grate or Approved Equal.
- All Catch Basins to Be Installed Along Depressed Curb and Gutter (Dep B-6.12) Shall Have East Jordan Iron Works 5120 Catch Basin Inlet Frame and Grate, or Approved Equal.
- Where Structures are Shown Along the Curbside, Unless Specifically Stated Otherwise, it is Intended That the Frame of the Structure is to Fall Within the Flowline of the Gutter or at the Pavement Edge Where No Gutter Exists.
- All Manholes Shall Have Neenah R1713-B Frame & Closed Lid or Approved Equal, with "Storm" or "Sanitary" Imprinted as Appropriate.
- For All Manhole Structures to Be Adjusted, Install or Remove Adjusting Rings, New Cone Section or New Barrel Section As Necessary.
- All Sanitary Manholes Shall Include a Chimney Seal.

**INTENDED SEQUENCE OF MAJOR SEDIMENT AND EROSION CONTROL MEASURES**

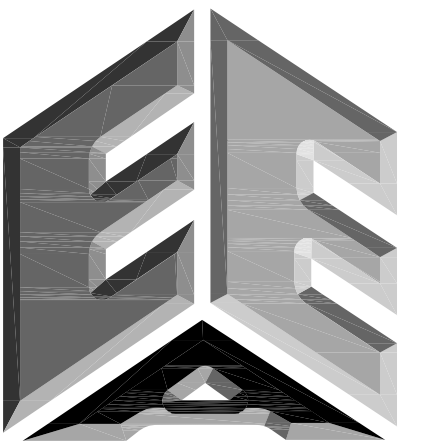
- Install Stabilized Construction Entrance
- Install All Downslope and Sideslope Perimeter Controls Before Commencement of Any Ground Disturbing Activity.
- Do Not Disturb An Area Until It is Necessary For Construction To Proceed.
- Cover and Stabilize Disturbed Areas As Soon As Possible.
- When Practical, Time Construction Activities To Limit Impact From Seasonal Climate Changes or Weather Events.
- Perform Grading Operations and Installation of Site Infrastructure and Pavement.
- Install Permanent Seeding and Plantings.
- Remove Accumulated Sediment From Basins and Along Silt Fence.
- Construction of Infiltration Measures Shall Take Place Following Stabilization of Upstream Drainage Areas.
- Remove Temporary Sediment and Erosion Control Measures Following Final Stabilization of All Disturbed Areas.

**SOIL EROSION & SEDIMENTATION CONTROL NOTES**

- Illinois Urban Manual Shall Govern All Soil Erosion and Sediment Control, and Related Work.
- Contractor Shall Be Responsible for Compliance With IEPA NPDES and ILR10 Permit Requirements for Project.
- 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.
- Soil Erosion and Sediment Control Features Shall Be Constructed Prior to the Commencement of Upland Disturbance.
- Temporary Soil Stabilization Shall Be Applied to Topsoil Stockpiles and Disturbed Areas, Where Construction Activity Will Not Occur For A Period of More Than 14 Calendar Days, Temporary Measures Shall Be Applied Within 7 Calendar Days of the End of Active Hydrologic Disturbance. The Sediment Control Measures Shall Be Maintained On A Continuing Basis Until The Site is Permanently Stabilized And All Inspections Are Complete. Permanent Stabilization Shall Be Completed Within 14 Days After Completion of Final Grading of Soil.
- All Temporary And Permanent Erosion Control Measures Shall Be Removed Within 30 Days After Final Site Stabilization is Achieved Or After The Temporary Measures Are No Longer Needed. Trapped Sediment And Other Disturbed Soil Areas Shall Be Permanently Stabilized.
- Final Site Stabilization is Defined By The EPA General Permit As Meaning That All Soil Disturbing Activities At The Site Have Been Completed, And That A Uniform Perennial Vegetative Cover With A Density Of 70 Percent Of The Cover For Unpaved Areas Not Covered By Permanent Structures Has Been Established Or Equivalent Permanent Stabilization Measures (Such As The Use Of Riprap, Gabions, Or Geotextiles) Have Been Employed.
- 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 Watties Around The Grate In Landscaped Areas And "Catch-All" Inlet Protectors (or equal) In Paved Areas To Prevent Siltation.
- 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 and Maintain "Dandy Pop" Inlet Protectors (or equal) and Filter Watties Around The Grate In Landscaped Areas And "Catch-All" Inlet Protectors (or equal, such as Park Chop Sedguard) In Paved Areas To Prevent Siltation and Discharge into Waterways.
- All Temporary And Permanent Sediment And Erosion Control Measures Must Be Maintained, Repaired, and Inspected In Conformance With All Applicable IEPA-NPDES Phase II And Lake County DECI Requirements.
- Following The Termination Of Construction Activities And Issuance Of The Required "Notice of Termination", The Permittees Must Keep A Copy Of The Storm Water Pollution Prevention Plan, Inspection Reports, And Records Of All The Data Used To Complete The Notice Of Intent For A Period Of At Least Three Years Following Final Stabilization.
- 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.
- Contractor Shall Provide Qualified Soil Erosion and Sediment Control Inspector Services in Accordance with NPDES and Governmental Requirements. Inspections Shall Occur at Every Seven Calendar Days Or Within 24 Hours of a 0.5" or Greater Rainfall Event. Engineer Shall Be Copied on Inspection Logs.
- 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.
- 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.
- Report Releases of Reportable Quantities of Oil or Hazardous Materials If They Occur in Accordance with IEPA NPDES Requirements.
- All Concrete Washout Shall Conform To The "Temporary Concrete Washout Facility" Standards (Code 954) of the Illinois Urban Manual, Latest Edition.
- If Necessary, The SWPPP Shall Be Modified To Reflect Changes Required During The Effective Period Of The IEPA NPDES General Permit No ILR10 and Local and County Permits.
- 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 Open Water.

**MWRDGC GENERAL NOTES**

- The MWRDGC Local Sewers Field Office Must Be Notified At Least Two (2) Working Days Prior To The Commencement Of Work. Call (708) 588-4055.
- Elevation Datum is NAVD88.
- All Floor Drains Shall Discharge To The Sanitary Sewer System.
- All Downspouts And Footing Drains, Shall Discharge To The Storm System.
- All Sanitary Sewer Pipe Materials (And Storm Sewer Pipe Material In Combined Sewer Areas) And Joints Shall Conform To:
  - A. Ductile Iron Pipe (DIP): Pipe Shall Conform To ANSI-21.51 CL52 Cement Lined Per ANSI A-21.4  
1) Joints: O-Ring, ANSI-21.11
  - B. Vitrified Clay Pipe (VCP): Pipe Shall Conform To ASTM C-700.  
1) Joints Shall Conform To ASTM C-425.
  - C. Reinforced Concrete Pipe (RCP): Pipe Shall Conform To ASTM C-76  
1) Joints Shall Conform To ASTM C-443
  - D. Polyvinyl Chloride Pipe (PVC 6"-15"dia.-sdr 26): Pipe Shall Conform To ASTM D-3034  
1) Joints Shall Conform To Astm D 3212.
  - E. Polyvinyl Chloride Pipe (PVC-C900): Pipe Shall Conform To AWWA C-900-9  
1) Joints Shall Conform To ASTM D-3139.
- All Sanitary Sewer Construction (And Storm Sewer Construction In Combined Sewer Areas): Requires Stone Bedding 1/4" To 1" In Size, With A 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-11 Or CA-13 And Shall Be Extended At Least 12 Inches Above The Top Of The Pipe When Using PVC.
- "Band Seal" Or Similar Flexible-type Couplings Shall Be Used In The Connection Of Sewer Pipe Of Dissimilar Materials .
- 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. Circular Saw-Cut Of The Storm Sewer Main By Proper Tools ("Sewer-Tap" Machine Or Similar) And Proper Installation Of Hub-Wye 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.
- Whenever A Sanitary/combined Sewer Crosses Under A Watermain, The Minimum Vertical Distance From The Top Of The Sewer To The Bottom Of The Water Main Shall Be 18 Inches. Furthermore, A Minimum Horizontal Distance Of 10 Feet Between Sanitary/combined Sewers And Water Mains 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 Water Main Located On 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. All Sanitary Sewers Shall Be Tested In Keeping With All MWRDGC Requirements.
- All Existing Septic Systems To Be Abandoned. Abandoned Tanks To Be Filled With Granular Material Or Removed.
- All Sanitary Manholes, (and Storm Manholes In Combined Sewer Areas), Shall Have A Minimum Inside Diameter Of 48 Inches, And Shall Be Cast In Place Or Pre-cast Reinforced Concrete. Resilient Connectors, Conforming To ASTM C-923, Shall Be Used Between Manhole And Pipes.
- Except For Foundation/footing Drains Provided To Protect Buildings, Drain Tiles/field Tiles/underdrains/perforated Pipes Are Not Allowed To Be Connected Or To Be 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.
- All Abandoned Sewers Shall Be Plugged At Both Ends With A Minimum Of Two (2) Foot Long Non-shrink Concrete/Mortar Plugs.



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**IVY HILL ELEMENTARY SCHOOL  
ADDITION AND RENOVATIONS**

**2211 N. Burke Dr.  
Arlington Heights, Illinois**

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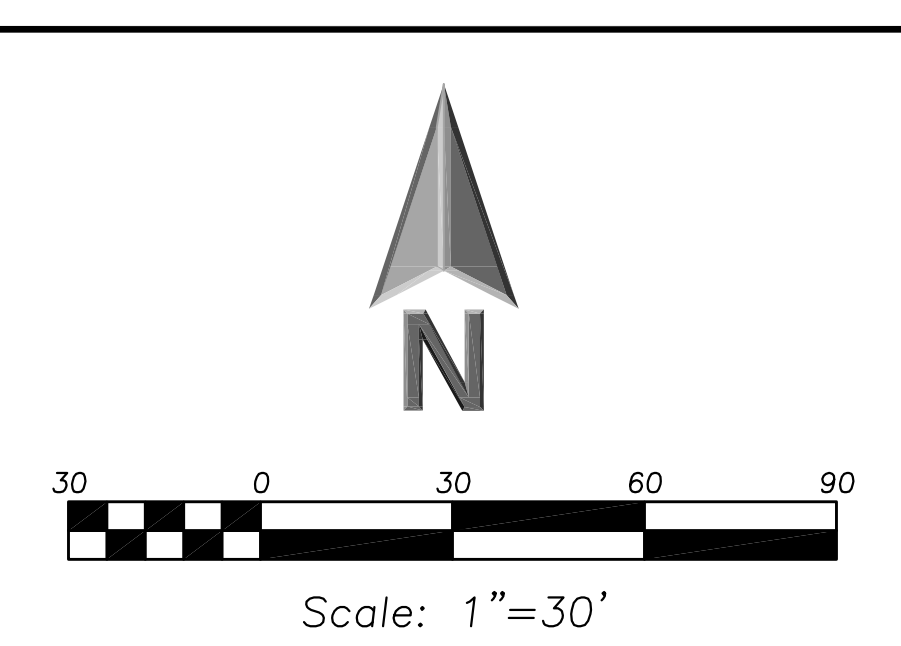
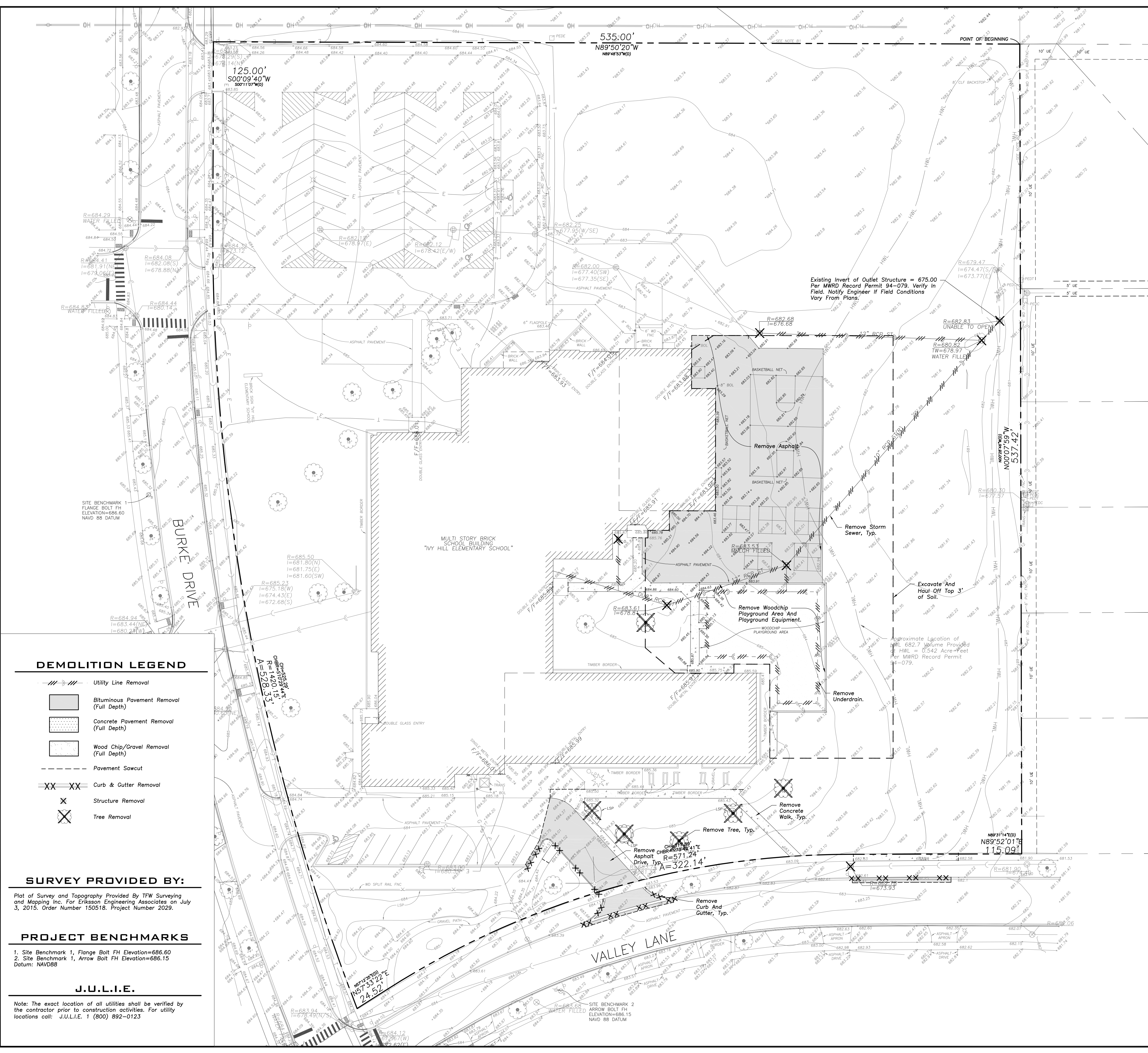
Design By: JC	Date: 06/06/15
Approved By: KC	Project No.:

**Sheet Title:  
NOTES AND LEGENDS**

Sheet No:  
**C-0.1**



EEA - P:\Josh\Arlington Heights School Dist 25\Drawings\Siteplan-Ivy Hill 2015 Addition.dwg  
 Plotted: 7/23/15 @ 5:03pm By: jcap



**LEGEND**

EXISTING	PROPOSED

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**DEMOLITION LEGEND**

- Utility Line Removal
- Bituminous Pavement Removal (Full Depth)
- Concrete Pavement Removal (Full Depth)
- Wood Chip/Gravel Removal (Full Depth)
- Pavement Sawcut
- Curb & Gutter Removal
- Structure Removal
- Tree Removal

**SURVEY PROVIDED BY:**

Plot of Survey and Topography Provided by TFW Surveying and Mapping Inc. For Eriksson Engineering Associates on July 3, 2015. Order Number 150518. Project Number 2029.

**PROJECT BENCHMARKS**

- Site Benchmark 1, Flange Bolt FH Elevation=686.60
  - Site Benchmark 1, Arrow Bolt FH Elevation=686.15
- Datum: NAVD88

**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

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**IVY HILL ELEMENTARY SCHOOL  
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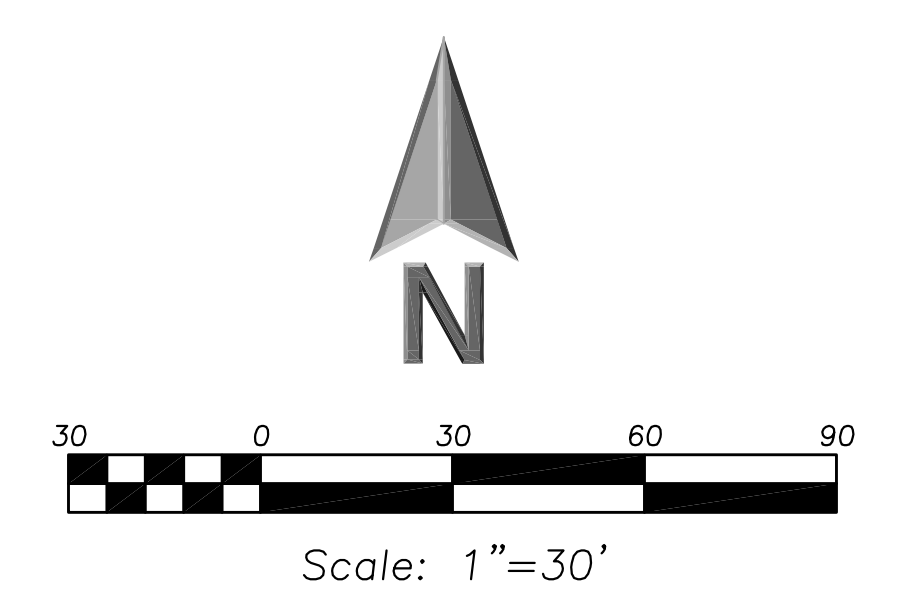
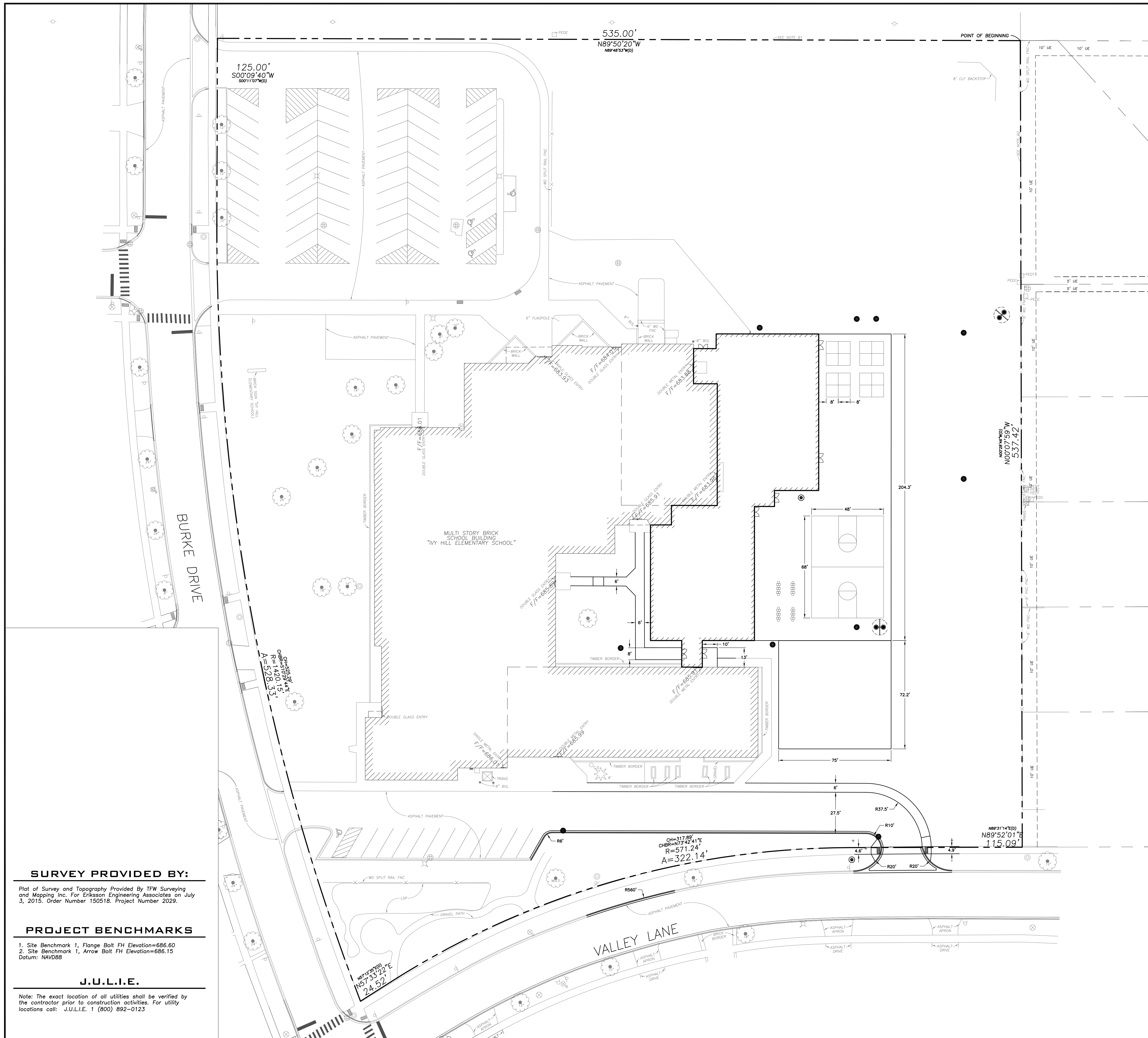
Design By: JC	Date: 06/06/15
Approved By: KC	Project No.:

**SHEET TITLE:**  
**SITE DEMOLITION PLAN**

Sheet No:  
**C-1.1**



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 Plotted: 7/23/15 @ 5:03pm By: jcap



**LEGEND**

EXISTING	PROPOSED

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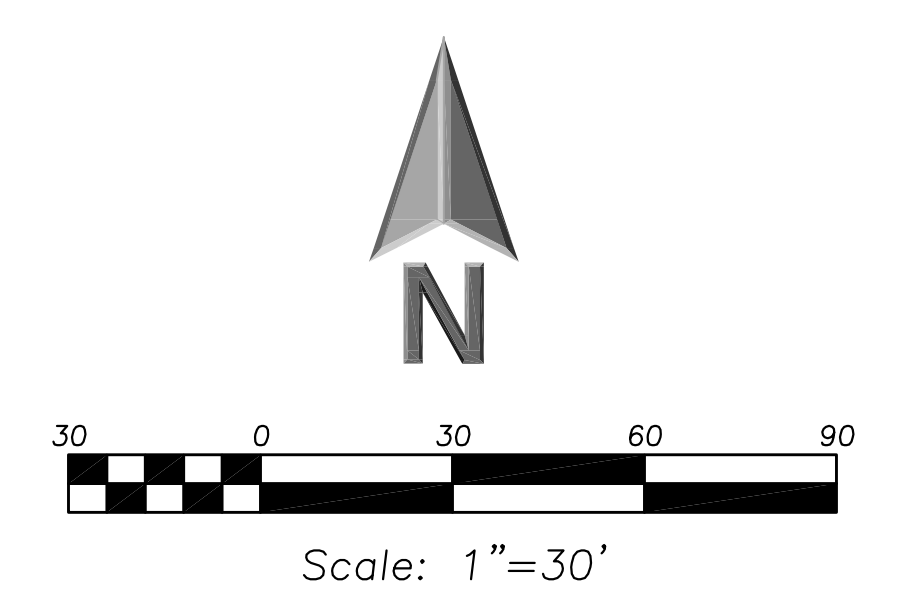
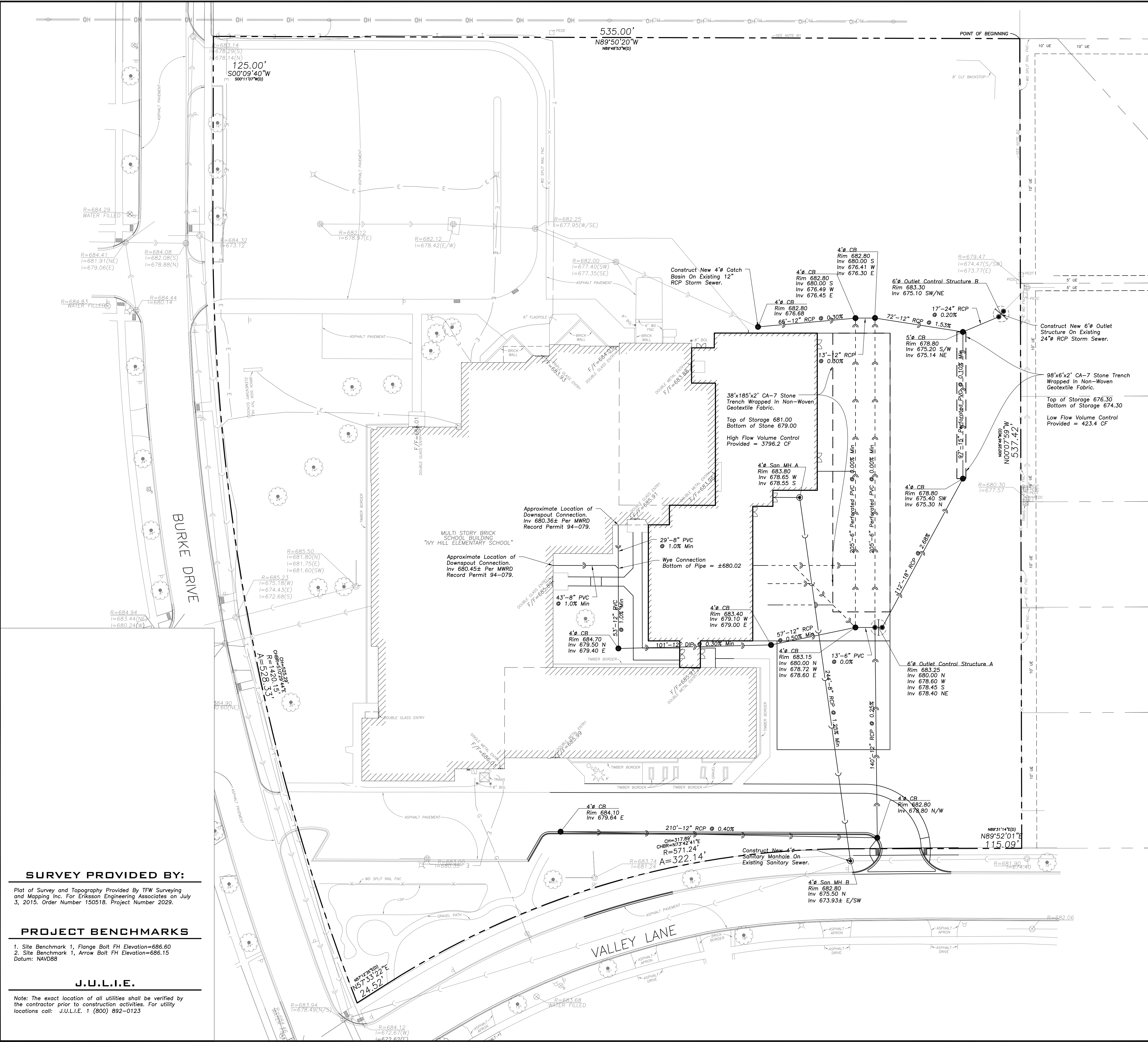
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 Approved By: KC Project No.:

**SHEET TITLE:  
SITE GEOMETRY PLAN**

Sheet No:  
**C-2.1**



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 Plotted: 7/23/15 @ 5:03pm By: jcap



**LEGEND**

EXISTING	PROPOSED
Manhole	Manhole
Catch Basin	Catch Basin
Area Drain	Area Drain
Clean Out	Clean Out
Flared End Section	Flared End Section
Storm Sewer	Storm Sewer
Sanitary Sewer	Sanitary Sewer
Combined Sewer	Combined Sewer
Water Main	Water Main
Gas Line	Gas Line
Overhead Wires	Overhead Wires
Electrical Cable (Buried)	Electrical Cable (Buried)
Telephone Line	Telephone Line
Fire Hydrant	Fire Hydrant
Valve Vault	Valve Vault
Buffalo Box	Buffalo Box
Downspout	Downspout
Gas Valve	Gas Valve
ComEd Manhole	ComEd Manhole
Hand Hole	Hand Hole
Light Pole	Light Pole
Utility Pole	Utility Pole
Telephone Pedestal	Telephone Pedestal
Telephone Manhole	Telephone Manhole
Sign	Sign
Fence	Fence
Accessible Parking Stall	Accessible Parking Stall
Curb & Gutter	Curb & Gutter
Depressed Curb	Depressed Curb
Curb Elevation	Curb Elevation
Gutter Elevation	Gutter Elevation
Pavement Elevation	Pavement Elevation
Sidewalk Elevation	Sidewalk Elevation
Ground Elevation	Ground Elevation
Top of Retaining Wall Elevation	Top of Retaining Wall Elevation
Swale	Swale
Contour Line	Contour Line
Deciduous Tree	Deciduous Tree
Coniferous Tree	Coniferous Tree
Brushline	Brushline
Tree Protection Fencing at Drip Line	Tree Protection Fencing at Drip Line

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**PROJECT BENCHMARKS**

- Site Benchmark 1, Flange Bolt FH Elevation=686.60
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- Datum: NAVD88

**J.U.L.I.E.**

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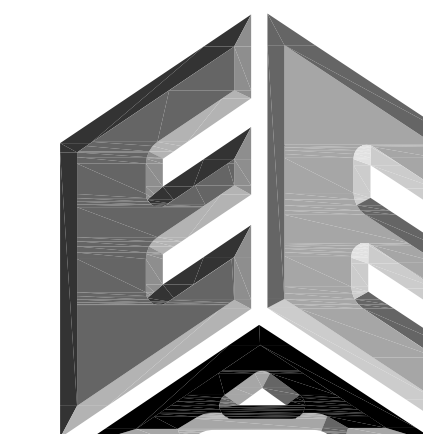
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Design By: JC	Date: 06/06/15
Approved By: KC	Project No:

Sheet Title:  
**SITE UTILITY PLAN**

Sheet No:  
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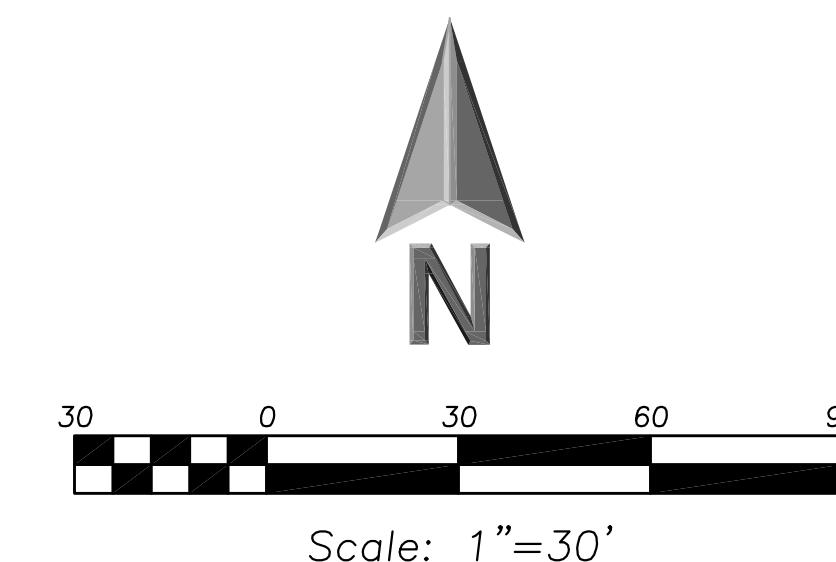
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Design By: **JC** Date: **06/06/15**  
Approved By: **KC** Project No.:

Sheet Title:  
**GRADING AND  
PAVING  
PLAN-OPTION 1**

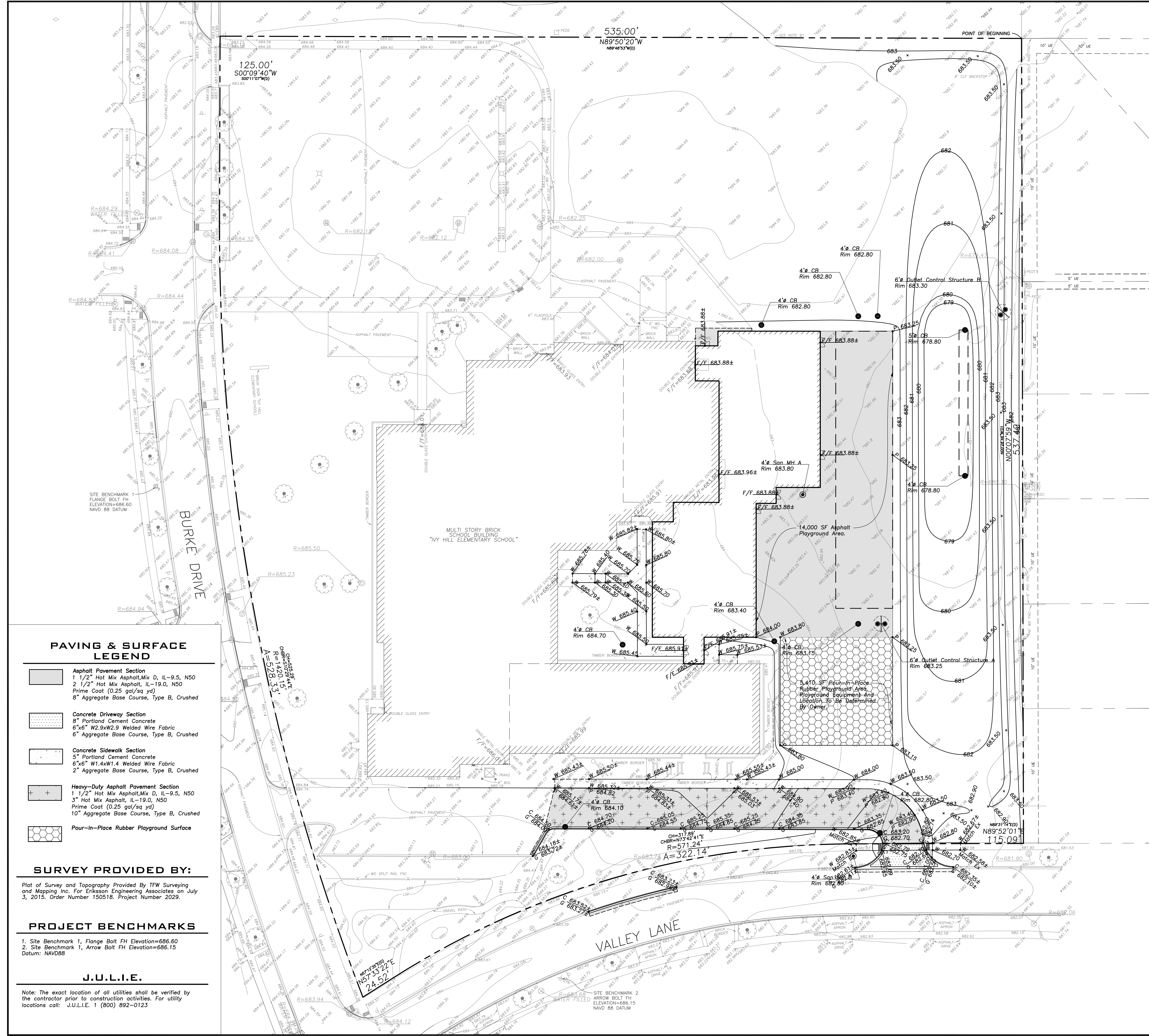
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**C-4.1**



EXISTING	PROPOSED

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**PAVING & SURFACE LEGEND**

- Asphalt Pavement Section  
1 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
- Concrete Driveway Section  
8" Portland Cement Concrete  
6"x6" W2.9xW2.9 Welded Wire Fabric  
6" Aggregate Base Course, Type B, Crushed
- Concrete Sidewalk Section  
5" Portland Cement Concrete  
6"x6" W1.4xW1.4 Welded Wire Fabric  
2" Aggregate Base Course, Type B, Crushed
- Heavy-Duty Asphalt Pavement Section  
1 1/2" Hot Mix Asphalt, Mix D, IL-9.5, N50  
3" Hot Mix Asphalt, IL-19.0, N50  
Prime Coat (0.25 gal/sq yd)  
10" Aggregate Base Course, Type B, Crushed
- Pour-in-Place Rubber Playground Surface

**SURVEY PROVIDED BY:**

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**PROJECT BENCHMARKS**

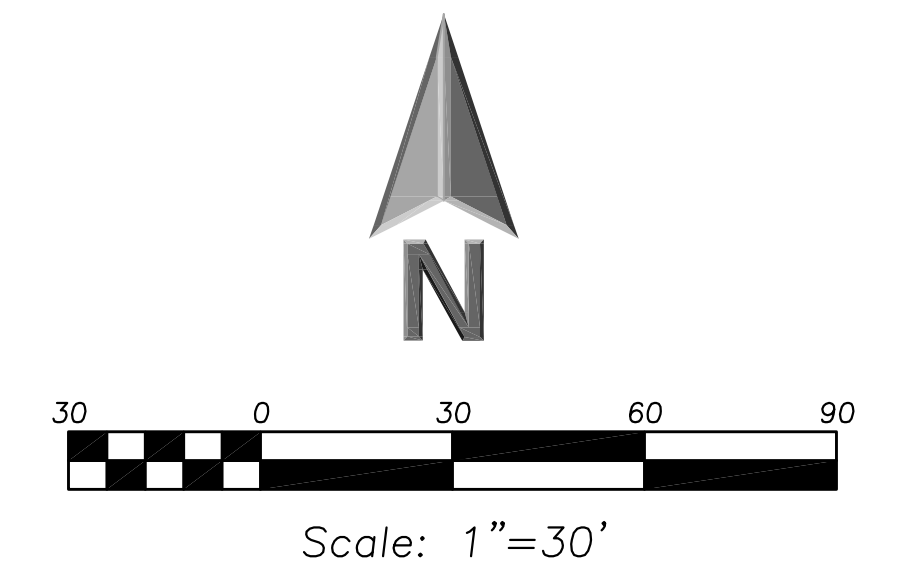
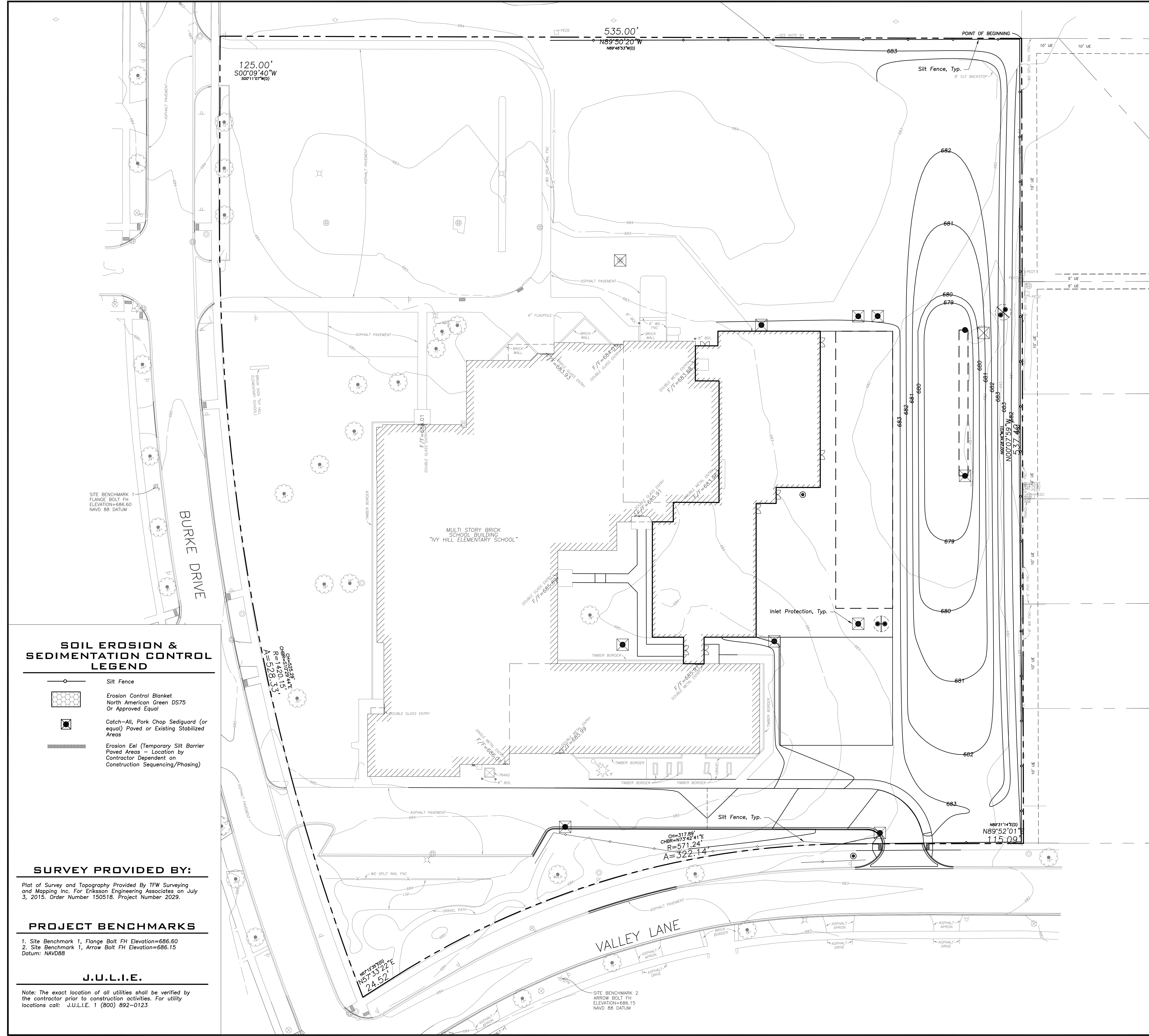
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Plotted: 7/23/15 @ 5:04pm By: jcap



**LEGEND**

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**SOIL EROSION & SEDIMENTATION CONTROL LEGEND**

	Silt Fence
	Erosion Control Blanket North American Green DS75 Or Approved Equal
	Catch—All, Park Chop Sediguard (or equal) Paved or Existing Stabilized Areas
	Erosion Eel (Temporary Silt Barrier) Paved Areas — Location by Contractor Dependent on Construction Sequencing/Phasing

**SURVEY PROVIDED BY:**

Plat of Survey and Topography Provided By TFW Surveying and Mapping Inc. For Eriksson Engineering Associates on July 3, 2015. Order Number 150518. Project Number 2029.

**PROJECT BENCHMARKS**

- Site Benchmark 1, Flange Bolt FH Elevation=686.60
  - Site Benchmark 1, Arrow Bolt FH Elevation=686.15
- Datum: NAVD88

**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.**  
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: 04/30/2017

**IVY HILL ELEMENTARY SCHOOL  
ADDITION AND RENOVATIONS**  
2211 N. Burke Dr.  
Arlington Heights, Illinois

Reserved for Seal:

Expiration Date: \_\_\_\_\_

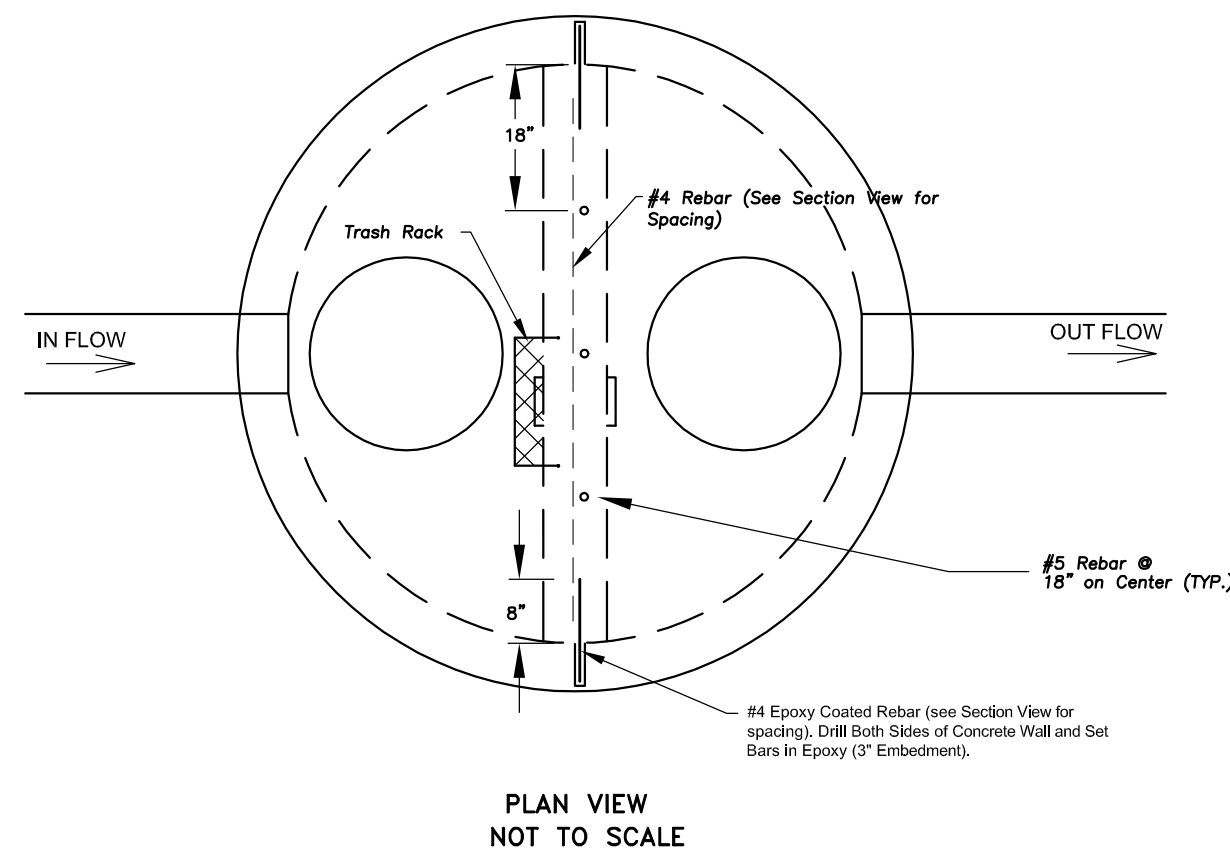
No.	Date	Description

Design By:	JC	Date:	06/06/15
Approved By:	KC	Project No.:	

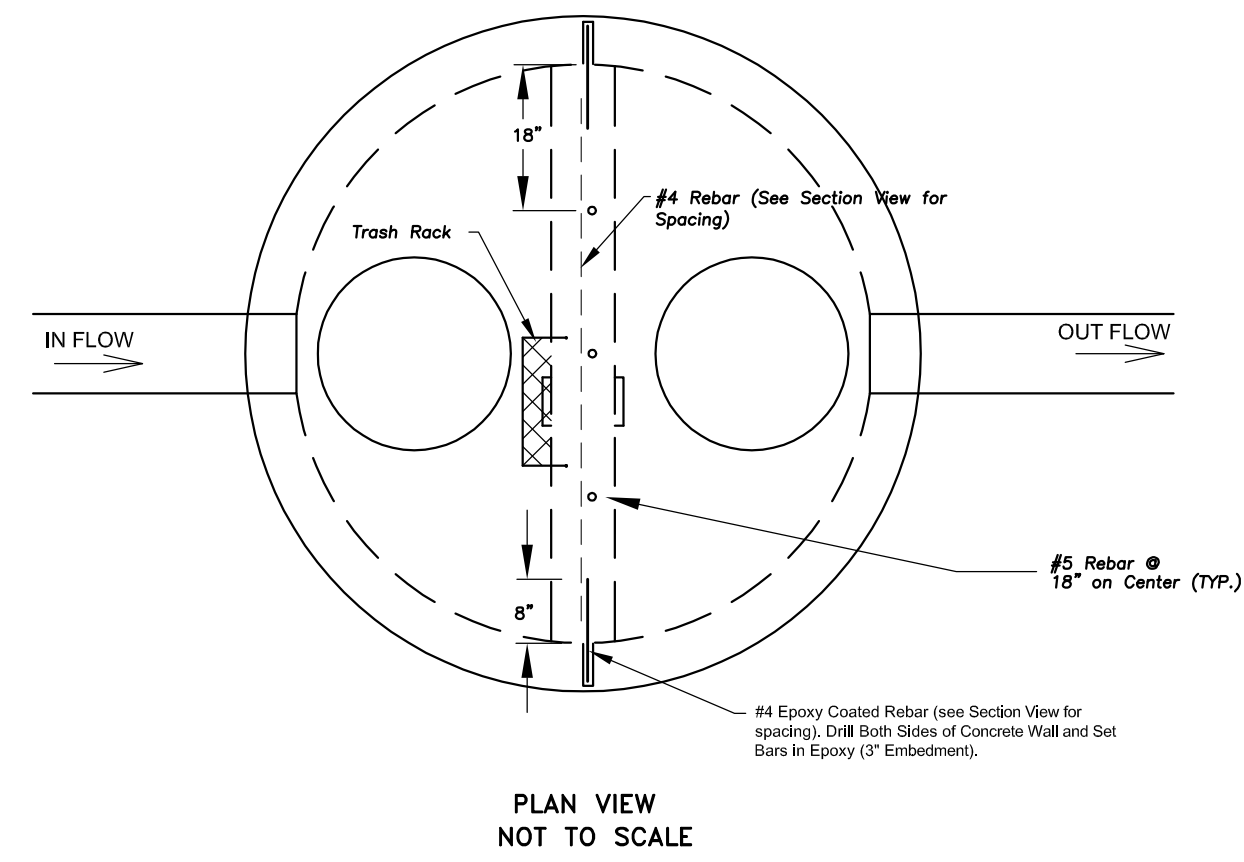
**SOIL EROSION & SEDIMENT CONTROL PLAN**

Sheet No:  
**C-5.1**

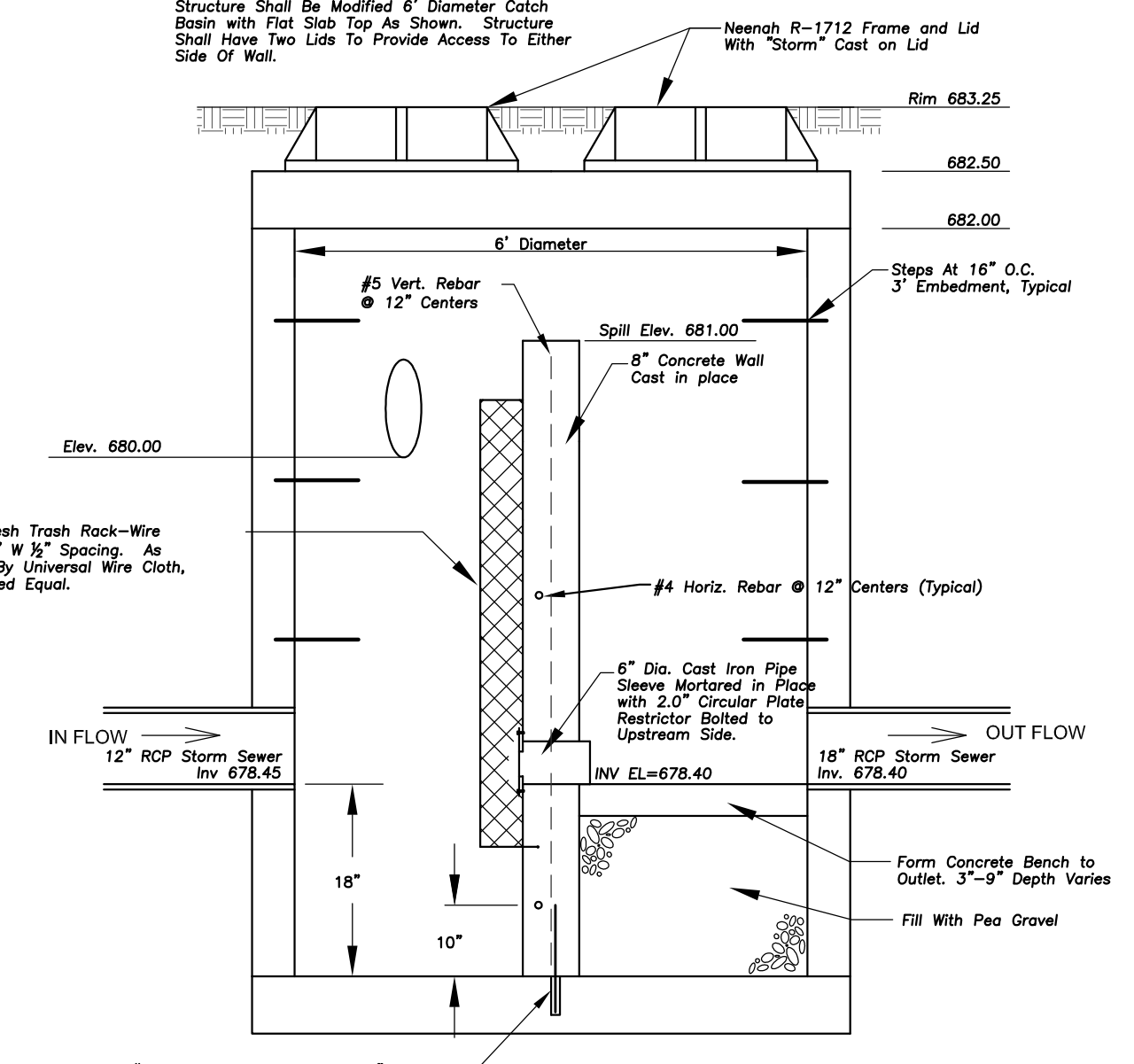




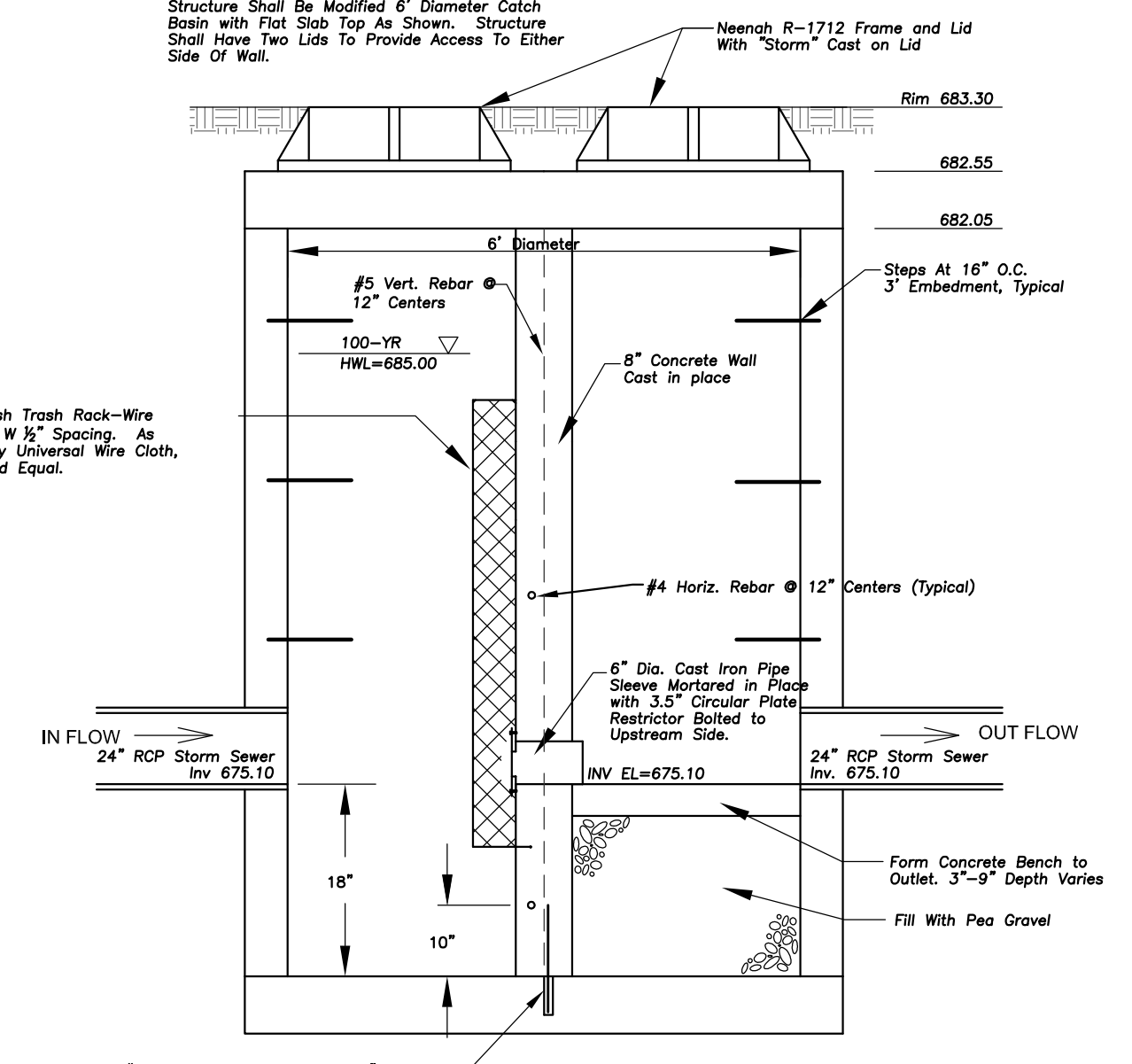
PLAN VIEW  
NOT TO SCALE



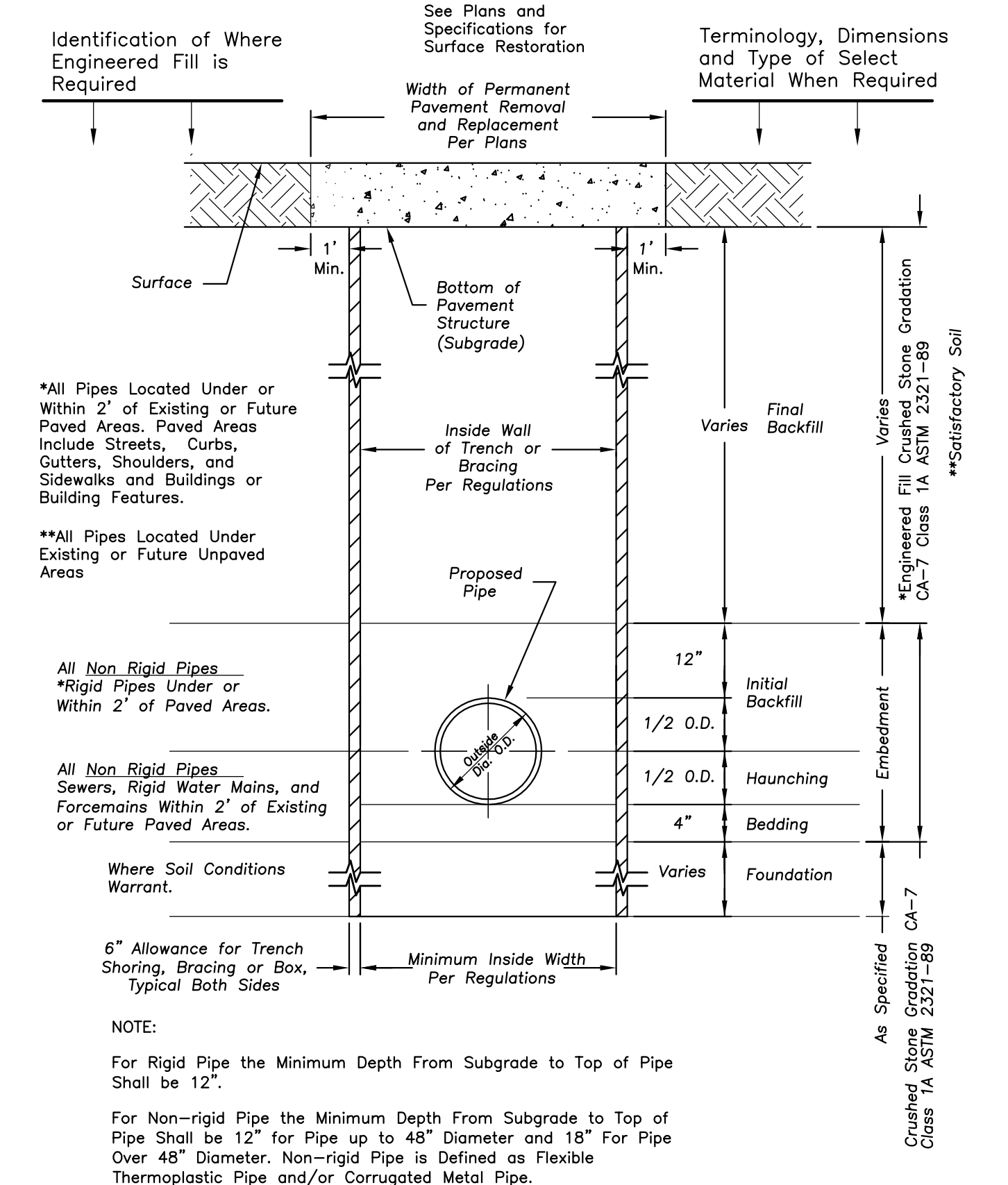
PLAN VIEW  
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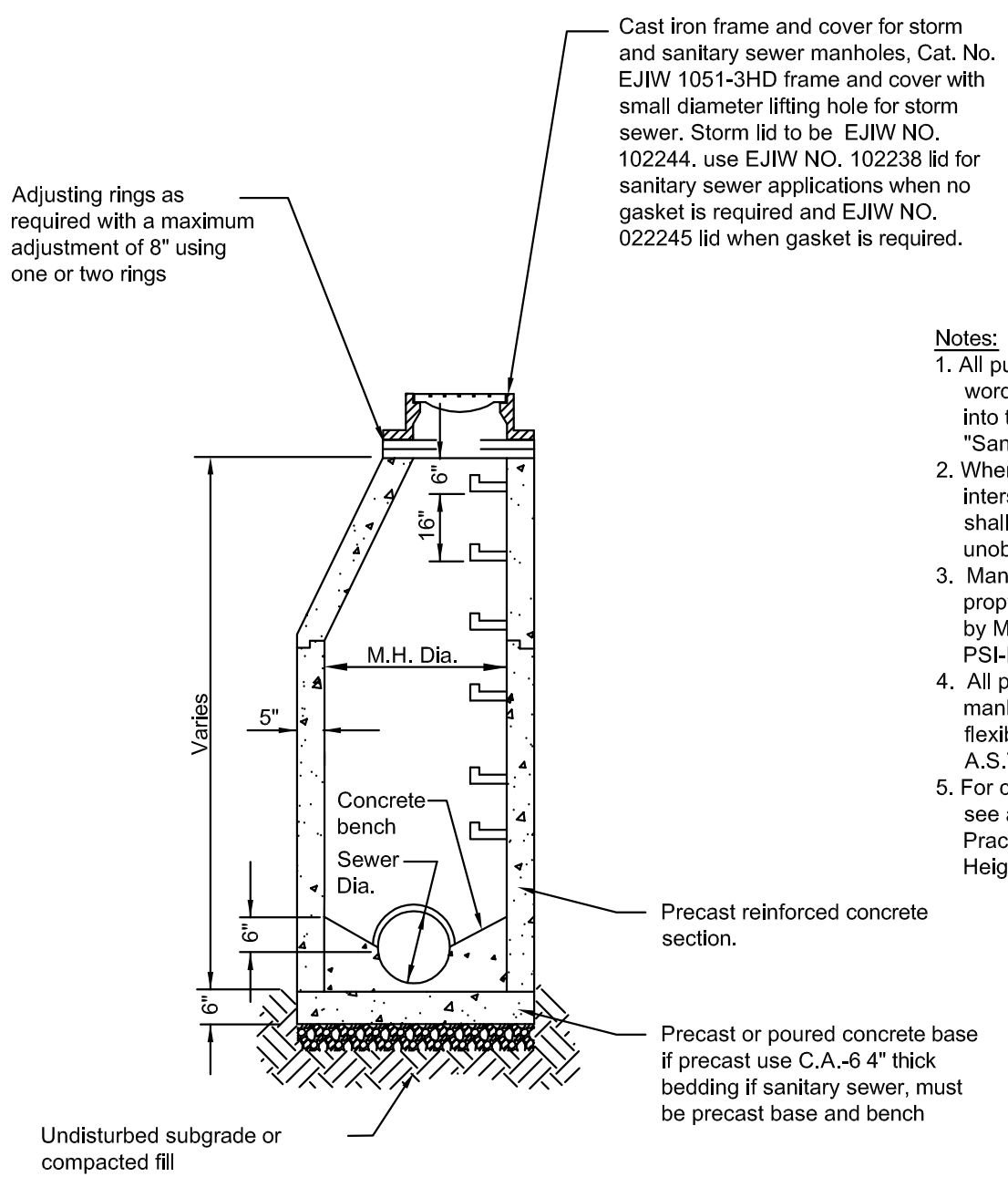
OUTLET CONTROL STRUCTURE A



OUTLET CONTROL STRUCTURE B

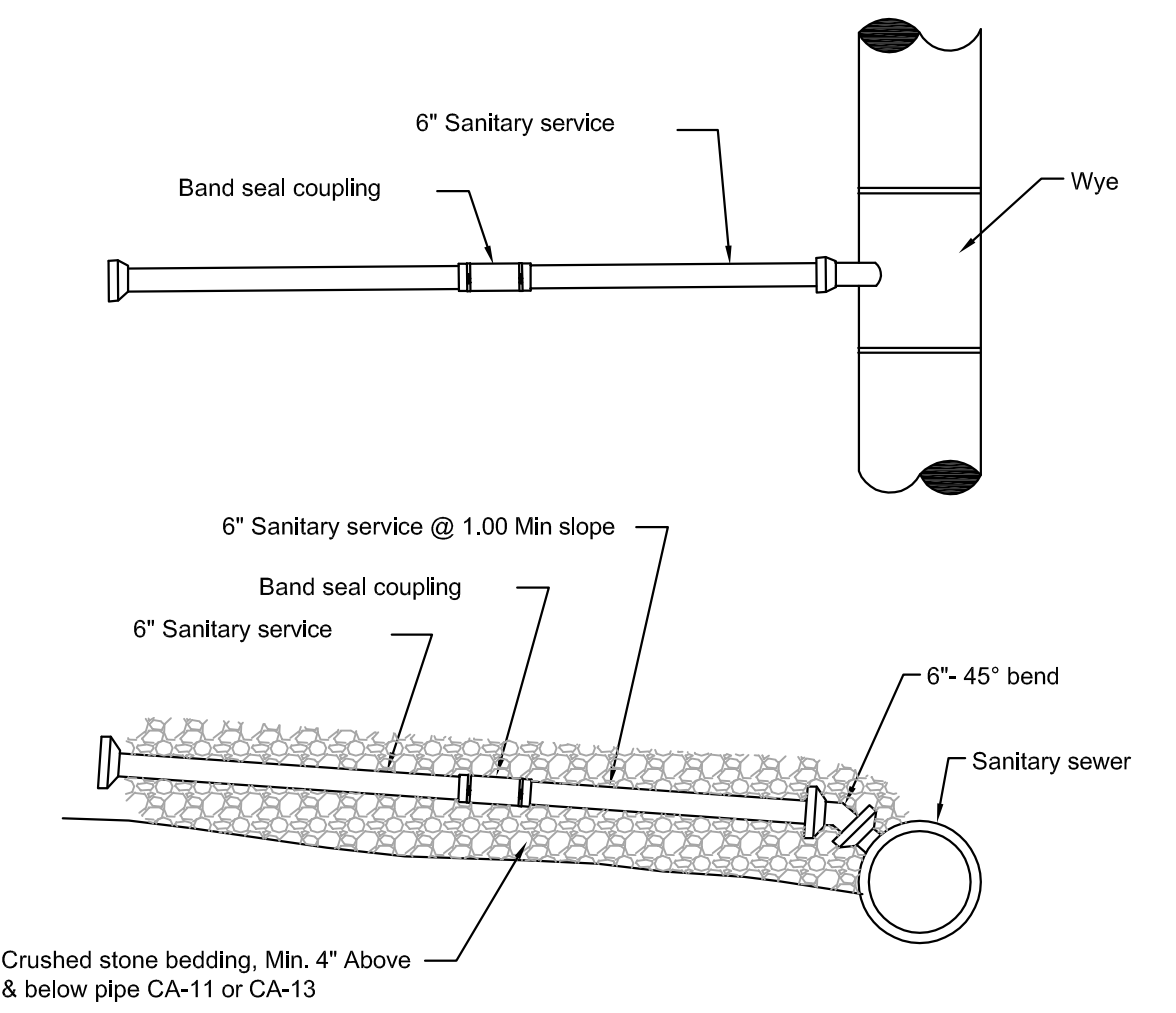


STANDARD SEWER AND WATER TRENCH SECTION

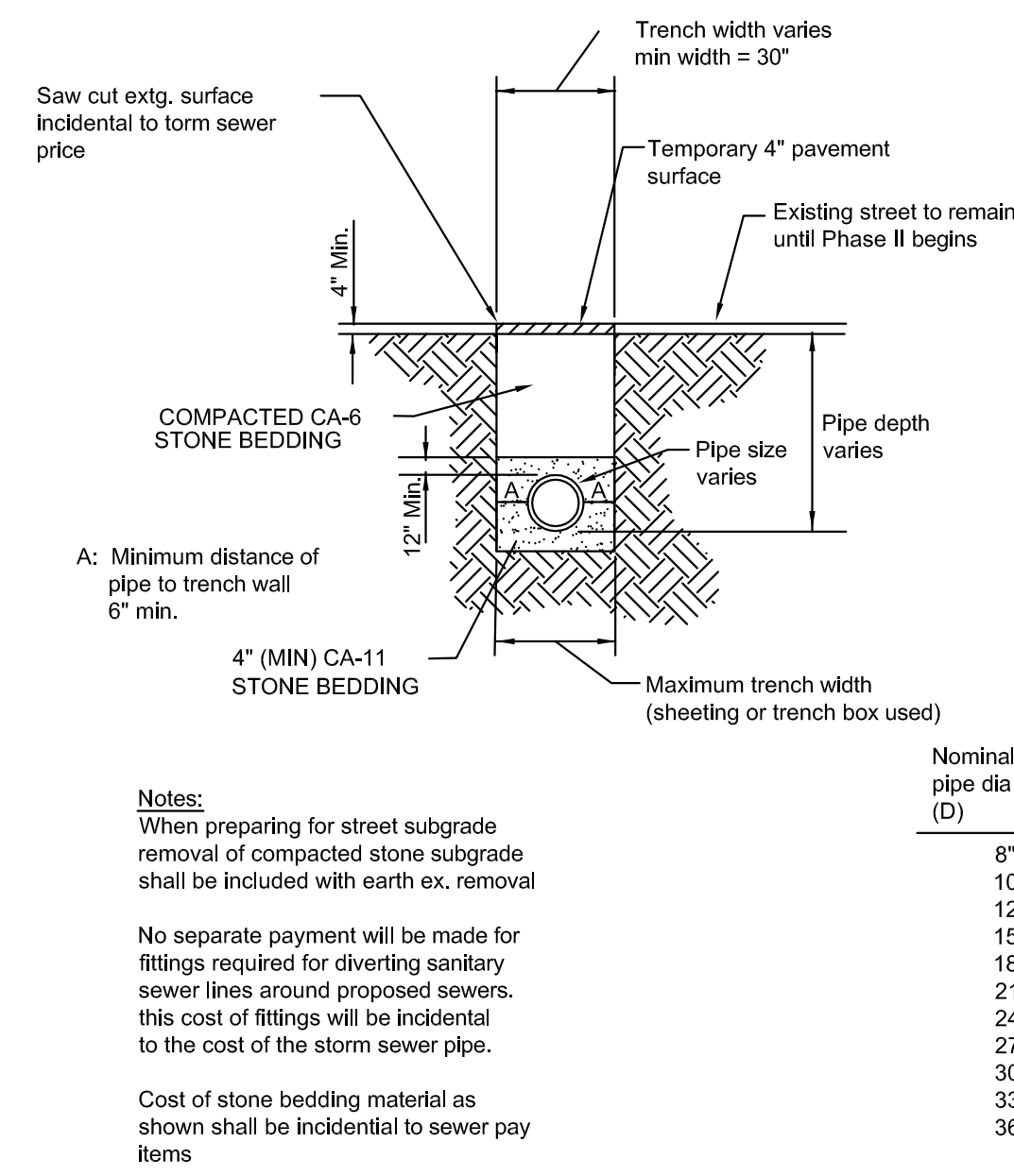


TYPE A - MANHOLE

- Notes:
- All public manhole lids shall have the words "Arlington Heights" type cast into them, as well as the designation "Sanitary" or "Storm".
  - When manhole is located at sewer intersections, or bends, the bench shall be shaped to provide smooth unobstructed flow conditions.
  - Manhole steps made of copolymer propylene plastic per as manufactured by M.A. Industries, Inc., Cat. No. PS-1-PF or approved equal.
  - All pipes entering or exiting sanitary manholes shall have a waterproof flexible gasket seal conforming to A.S.T.M. specification No. C-923-79.
  - For complete manhole specifications see article 3.08 of the Manual of Practice of the Village of Arlington Heights.



TYPICAL SANITARY SEWER SERVICE CONNECTION



SANITARY SEWER TRENCH DETAIL



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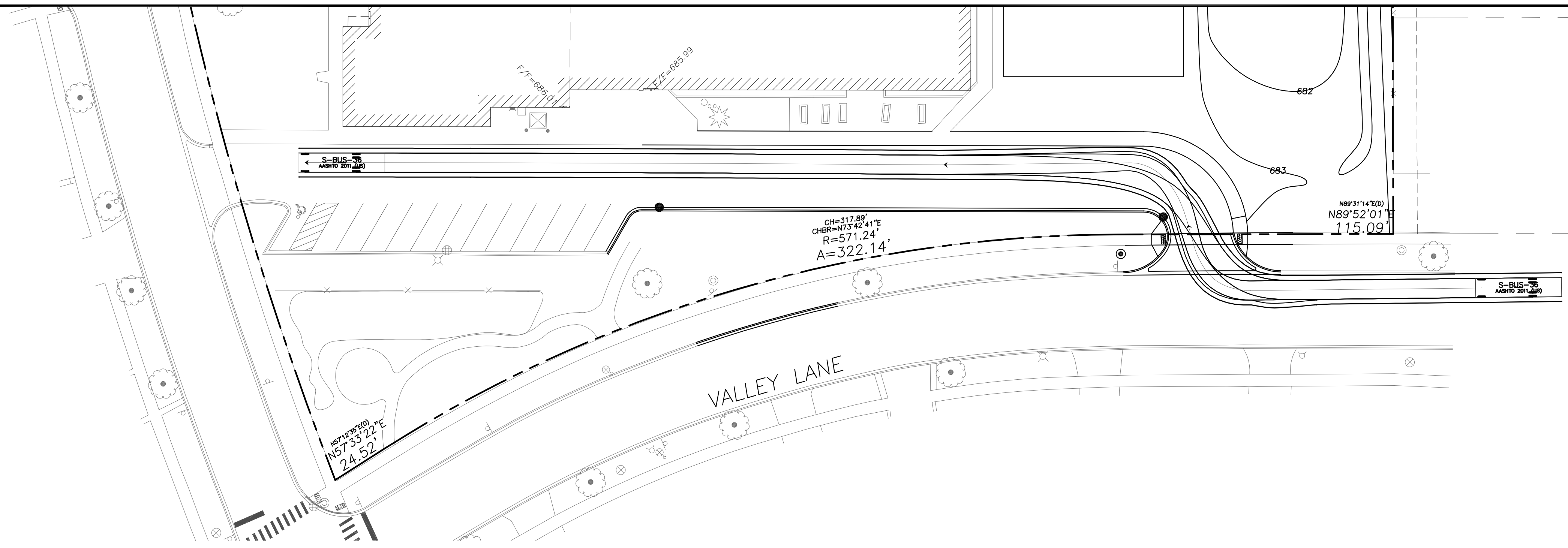
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Approved By: **KC** Project No. \_\_\_\_\_

Sheet Title:  
**NOTES AND LEGENDS**

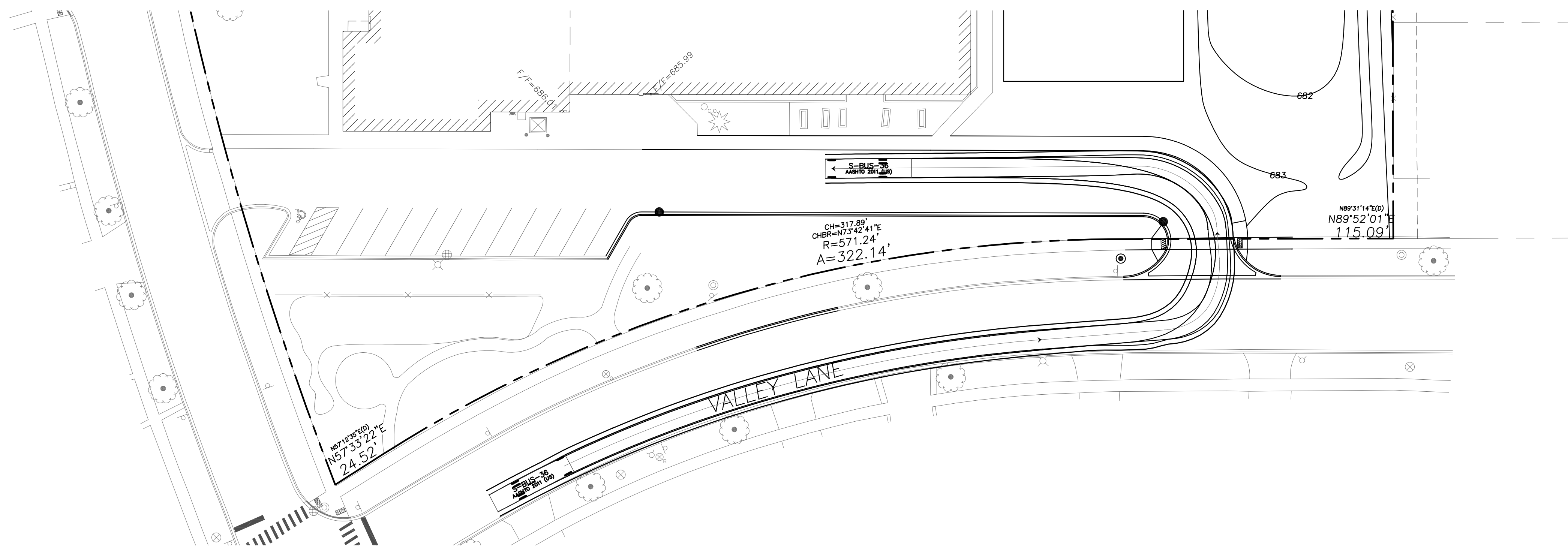
Sheet No:  
**C-6.1**



EEA - P:\Josh\Arlington Heights School Dist 25\Drawings\Siteplan-Ivy Hill 2015 Addition.dwg  
 Plotted: 7/23/15 @ 5:04pm By: jcap



**ENTRANCE FROM EAST**



**ENTRANCE FROM WEST**

**SURVEY PROVIDED BY:**

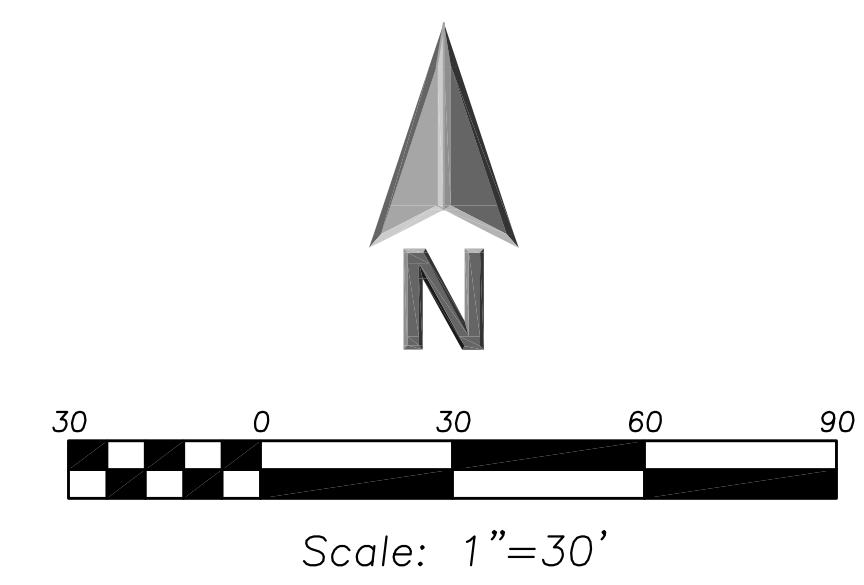
Plat of Survey and Topography Provided By TFW Surveying and Mapping Inc. For Eriksson Engineering Associates on July 3, 2015. Order Number 150518. Project Number 2029.

**PROJECT BENCHMARKS**

1. Site Benchmark 1, Flange Bolt FH Elevation=686.60
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**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



**LEGEND**

EXISTING	PROPOSED

**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 Drawings.
2. Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
3. Notify The Owner, Engineer and The A Minimum of 48 Hours In Advance of Performing Any Work.
4. 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.
5. These Drawings Assume That The Contractor Will Utilize An Electronic Drawing File (DWG) and Stake All Site Improvements Accordingly.
6. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson Engineering Associates, Ltd.
7. 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.
8. Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor In Accordance With The Authorities Having Jurisdiction Which May Include All Detention Basins, Including All Storm and Sanitary Sewers and Structure Locations, Sizes, Rim and Invert Elevations, Final Detention Volume Calculations For The Basin(s) and Watermain and Valve and Appurtenance Locations.
9. 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.

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No.	Date	Description

Design By: JC	Date: 06/06/15
Approved By: KC	Project No.:

Sheet Title:

**AUTOTURN  
EXHIBIT**

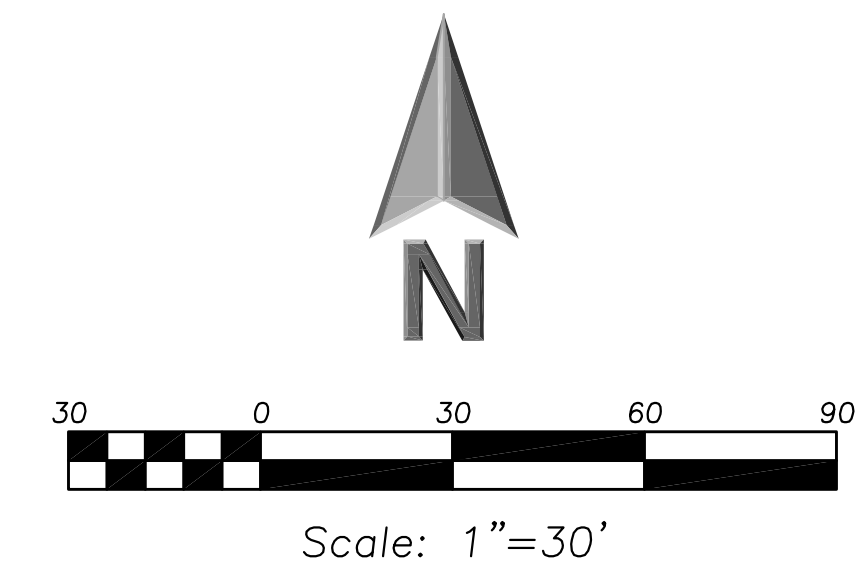
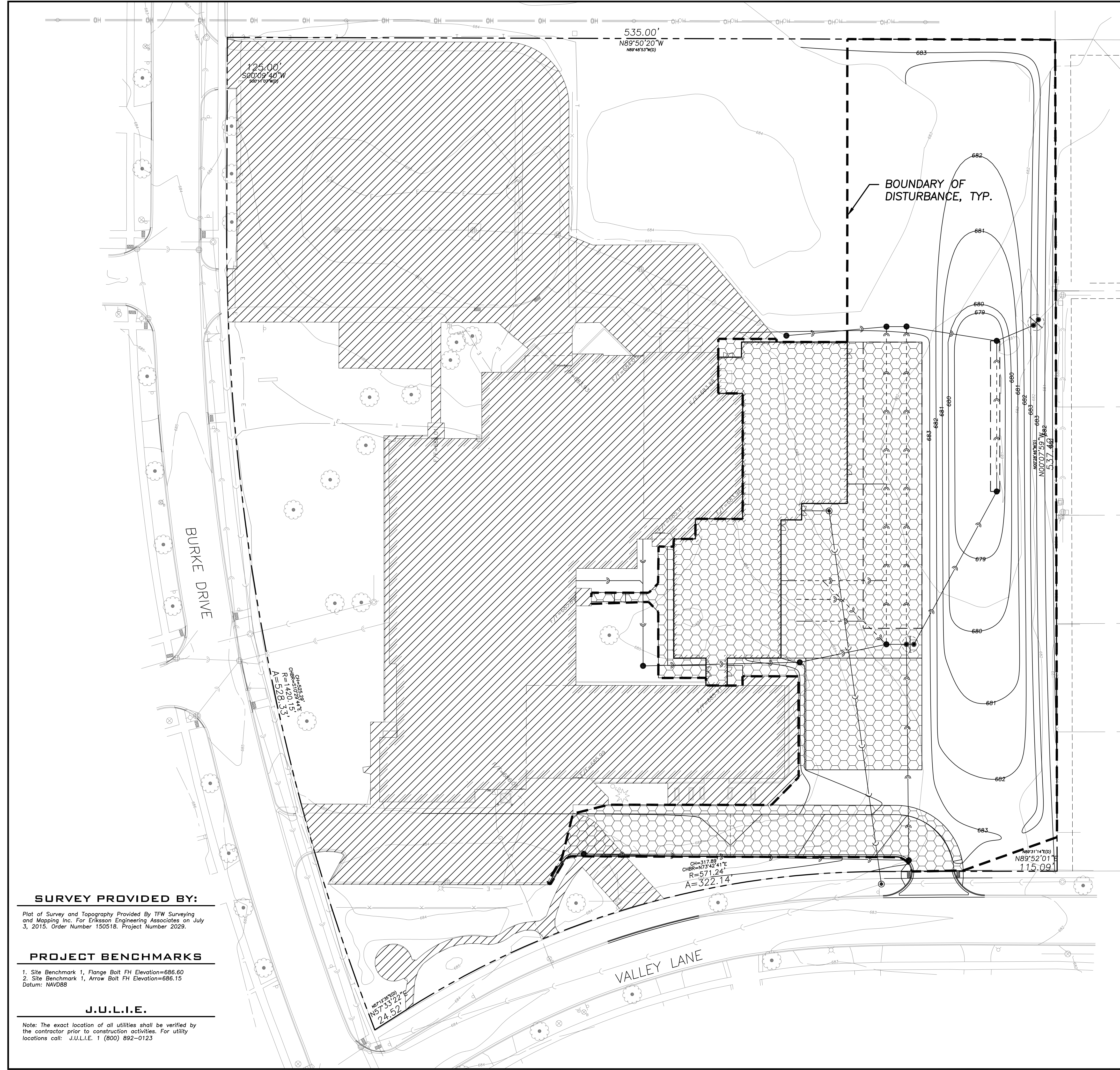
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**CX-7.1**

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 Plotted: 7/23/15 @ 5:05pm By: jcap



**LEGEND**

EXISTING	PROPOSED

**EXHIBIT LEGEND**

	Project Disturbance 101187.74 SF 2.32 Acres
	Existing Impervious To Remain 118912.84 SF 2.68 Acres
	Proposed Impervious 44553.65 SF 1.02 Acres

**SURVEY PROVIDED BY:**

Plat of Survey and Topography Provided By TFW Surveying and Mapping Inc. For Eriksson Engineering Associates on July 3, 2015. Order Number 150518. Project Number 2029.

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No.	Date	Description

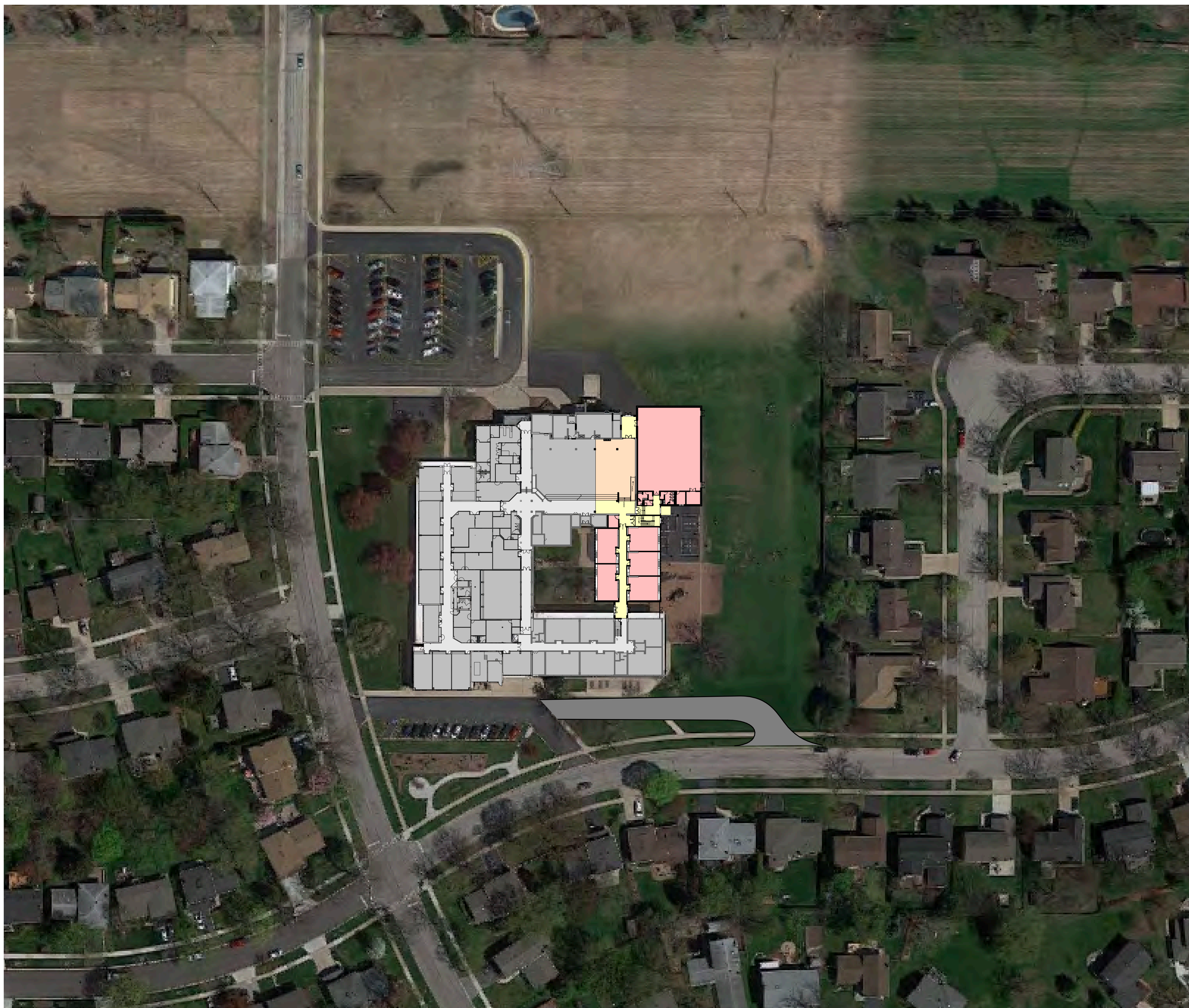
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Design By: JC	Date: 06/06/15
Approved By: KC	Project No.:

Sheet Title:  
**PROJECT  
DISTURBANCE**

Sheet No:  
**CX-7.2**

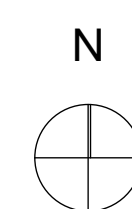




**STR**

STR Partners LLC  
350 West Ontario Street | Suite 200  
Chicago IL 60654  
www.strpartners.com

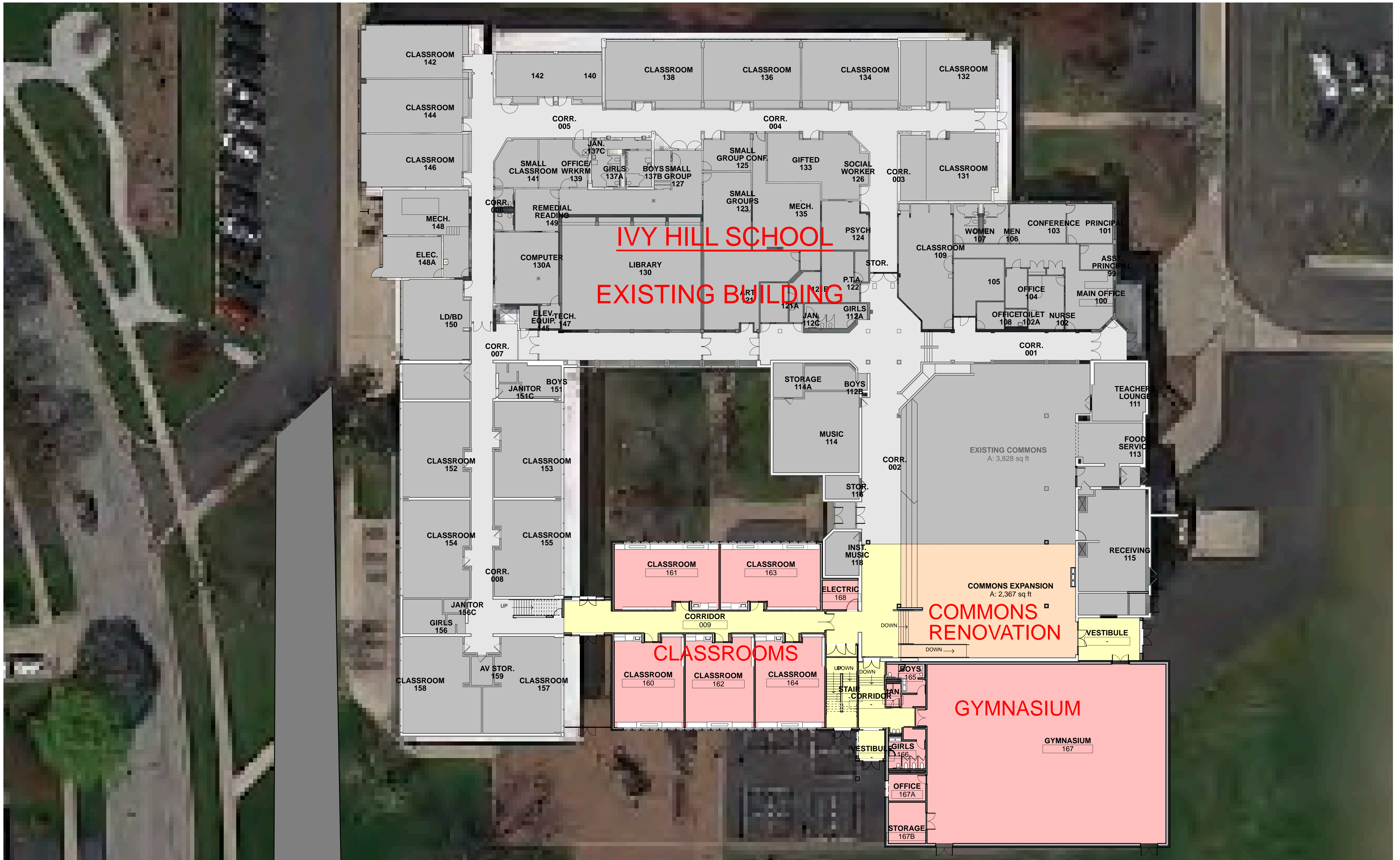
**SUBJECT PROPERTY MAP**



**IVY HILL ELEMENTARY SCHOOL ADDITION AND RENOVATIONS**

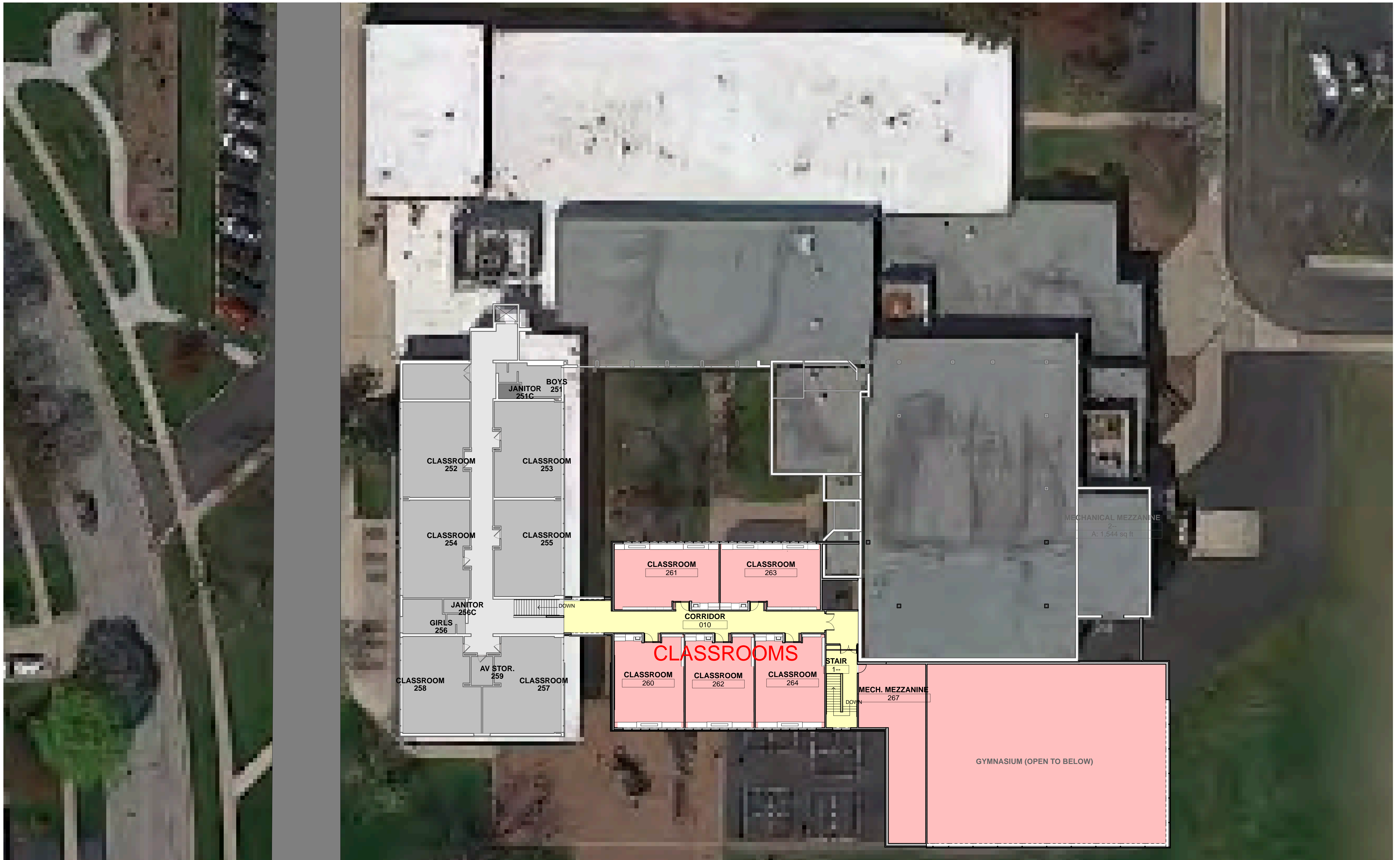
2211 NORTH BURKE DRIVE  
ARLINGTON HEIGHTS, ILLINOIS 60004  
**ARLINGTON HEIGHTS SCHOOL DISTRICT 25**  
July 27, 2015





1 FIRST FLOOR  
 SCALE: 1/16" = 1'-0" N





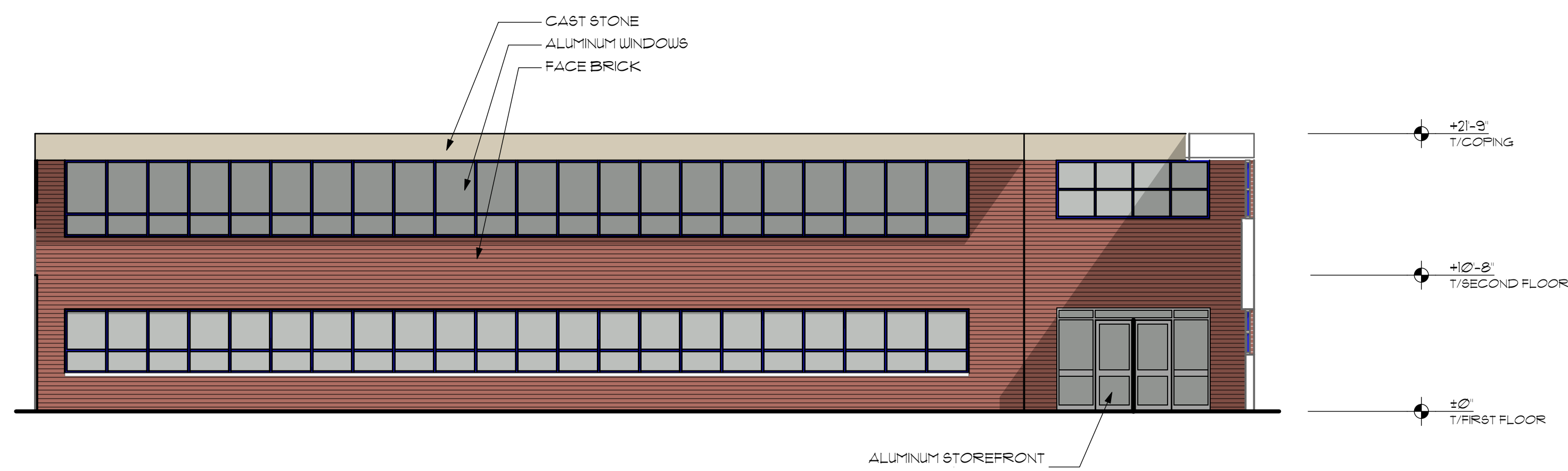
**1 SECOND FLOOR**  
 SCALE: 1/16" = 1'-0" 

**COMPOSITE SECOND FLOOR PLAN**

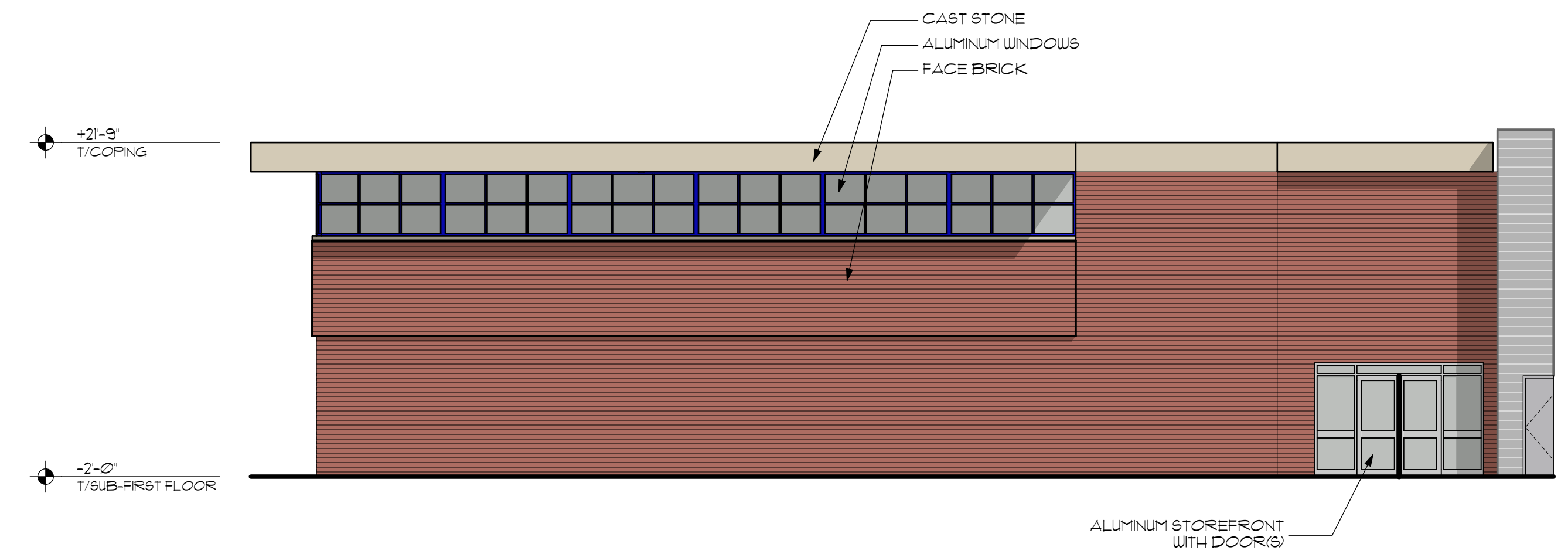




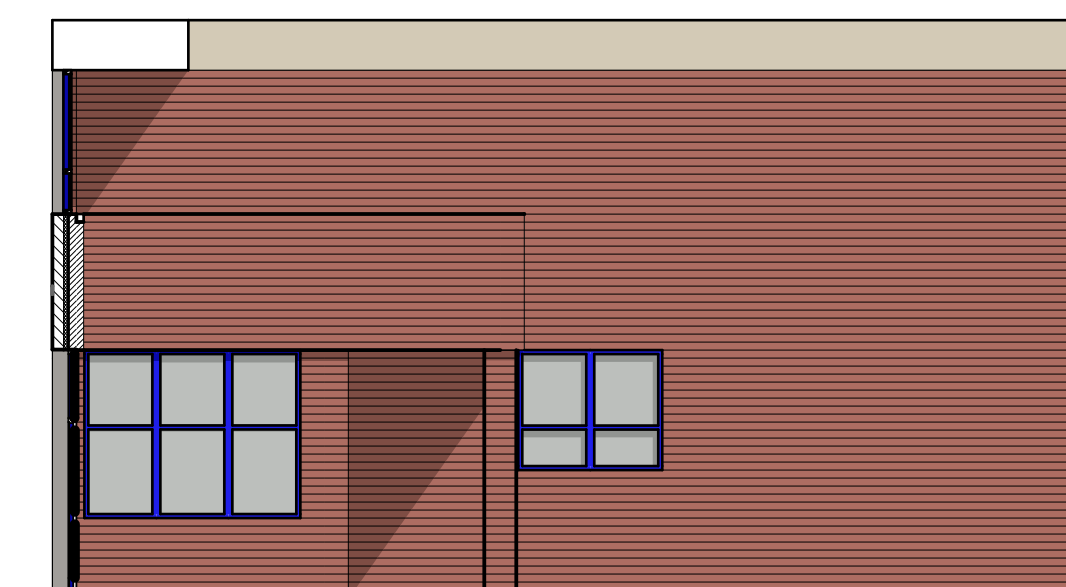
**1** EXTERIOR ELEVATION - FACING EAST  
SCALE: 1/8" = 1'-0"



**2** EXTERIOR ELEVATION - COURTYARD  
SCALE: 1/8" = 1'-0"

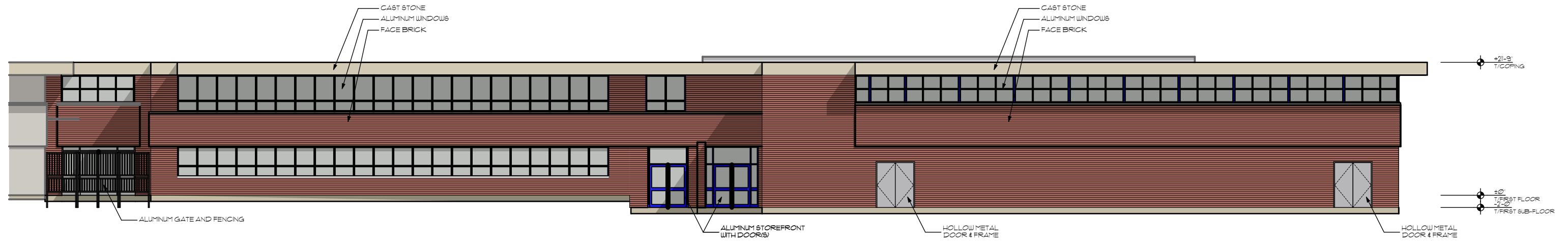


**3** EXTERIOR ELEVATION - FACING NORTH  
SCALE: 1/8" = 1'-0"



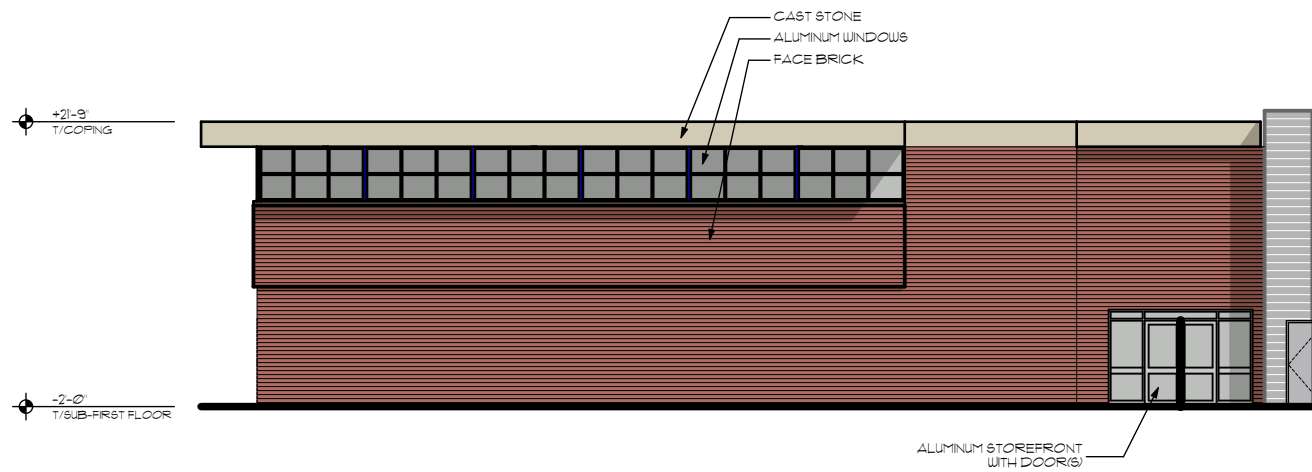
**4** EXTERIOR ELEVATION  
SCALE: 1/8" = 1'-0"





## EXTERIOR ELEVATION - FACING EAST

SCALE: 1/16" = 1'-0"



## EXTERIOR ELEVATION - FACING NORTH

SCALE: 1/16" = 1'-0"

# EXTERIOR ELEVATIONS

**STR**

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Chicago IL 60654  
www.strpartners.com

**IVY HILL ELEMENTARY SCHOOL ADDITION AND RENOVATIONS**

2211 NORTH BURKE DRIVE , ARLINGTON HEIGHTS, ILLINOIS 60004

**ARLINGTON HEIGHTS SCHOOL DISTRICT 25**

7/27/15