

EDWARD J. MOLLOY & ASSOCIATES, LTD.

LAND & CONSTRUCTION SURVEYORS

1236 MARK STREET, BENSENVILLE, ILLINOIS 60106 (630) 595-2600 Fax (630) 595-4700
e-mail: tmolloy@ejmolloy.com

PLAT OF SURVEY

OF

THE NORTH 500 FEET OF THE SOUTH 1938 FEET (EXCEPT THE WEST 49.5 FEET AND THE EAST 522.72 FEET THEREOF) OF THE EAST 1/2 OF THE NORTHWEST 1/4 OF SECTION 17, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

TOTAL AREA OF TRACT SURVEYED: 370,120 SQ. FT. OR 8.50 ACRES

LEGEND:

- | | | | |
|-------|------------------------------|-----|---------------------------|
| —○—○— | Manhole | □ | Telephone Pedestal |
| —●—●— | Sanitary Manhole | □ | Cable Television Pedestal |
| —○—○— | Storm Manhole | □ | Gas Valve |
| —○—○— | Storm Catch Basin/Inlet | —W— | Underground Water Lines |
| —○—○— | Flared End Section | —P— | Per Paint Markings |
| —○—○— | Fire Hydrant w/B-Box | —G— | Underground Gas Lines |
| —○—○— | Water Valve Vault | —P— | Per Paint Markings |
| —○—○— | Light Pole | —C— | Depressed Curb |
| —○—○— | Lamp | —C— | Back of Curb Elevation |
| —○—○— | Traffic Sign | —C— | Gutter Elevation |
| —○—○— | Utility Pole W/Overhead Wire | —C— | Hard Surface Elevation |
| —○—○— | Concrete Filled Post | —C— | Ground Elevation |

HARRY J. ECKHARDT'S ARLINGTON ACRES

REC. JUNE 8, 1945 AS DOC. NO. 13525064

CHapel Hill SUBDIVISION

REC. JUNE 6, 1987

PORTER'S RESUBDIVISION OF ECKHART'S ARLINGTON ACRES

REC. AUG. 19, 1977 AS DOC. NO. 24066178

MANHOLE LEGEND

WW #1 R= 692.20	SAN #20 R= 694.74 = 690.80 6" PVC E. & W. S.
CBN #2 R= 692.14 = 689.44 12" RCP E.	CBN #23 R= 694.26 = 691.86 12" RCP NW = 691.86 6" PVC SE = 691.76 10" PVC SW
INL #3 R= 692.47 = FILLED WITH WATER	SAN #25 R= 693.87 = 687.87 10" VCP N. & W.
INL #4 R= 693.18 = 688.65 12" RCP W. = 688.55 12" RCP E.	CBN #26 R= 692.73 = 690.98 12" RCP N. = 690.91 12" RCP E. = 690.88 12" RCP SW.
CBN #5 R= 692.33 = 689.83 12" RCP W.	SAN #27 R= 693.14 = 686.94 10" VCP E. & W.
CBN #6 R= 693.98 = 689.96 12" RCP W. = 689.25 12" RCP E. = 689.36 12" RCP SW.	CBN #28 R= 693.01 = 691.79 4" PVC E.
CBN #7 R= 693.18 = 689.33 12" RCP W. = 689.45 15" RCP E.	CBN #29 R= 692.86 = 691.16 4" PVC W. = 691.11 10" RCP S.
SAN #8 R= 692.41	SAN #30 R= 692.67 = 692.47 4" PVC N. = 682.34 12" DIP E. & W.
WW #9 R= 692.74 = 682.34 12" DIP E. & W.	CBN #31 R= 692.97 = 691.79 4" PVC E.
MH #10 R= 693.86	CBN #32 R= 692.07 = 684.67 36" RCP NW. = 685.86 18" RCP N. = 684.64 54" RCP S.
STM #11 R= 694.06 = 684.67 36" RCP NW. = 685.86 18" RCP N. = 684.64 54" RCP S.	MHL #33 R= 694.35 = 689.79 12" RCP SE = 690.05 12" RCP W.
INL #12 R= 693.09 = 689.79 12" RCP E.	SAN #34 R= 694.66 = 688.66 8" PVC E. = 688.21 8" PVC S.
CBN #13 R= 691.75 = 689.00 12" RCP E. = 689.98 12" RCP SW.	CBN #35 R= 694.43 = 691.55 8" PVC S. = 691.55 10" RCP E.
CBN #14 R= 693.27 = 690.73 4" PVC E. = 689.22 10" RCP S.	CBN #36 R= 693.99 = 687.67 15" RCP N. = 687.62 15" RCP E. = 687.68 6" PVC S.
STM #15 R= 692.67 = 689.57 6" PVC N. = 687.62 15" RCP E. = 687.68 6" PVC S.	SAN #37 R= 694.39 = 688.09 6" PVC S. PLUGGED = 688.09 8" PVC E. & W.
STM #16 R= 692.50 = 688.57 6" PVC N. = 688.09 6" PVC SE.	SAN #38 R= 694.60 = 689.60 6" PVC S. = 689.45 8" PVC SE = 689.37 8" PVC W.
SAN #17 R= 695.39 = 686.49 8" PVC N.	SAN #39 R= 694.71 = 690.11 6" PVC E. = 690.11 8" PVC NW
MH #18 R= 695.03 = FILLED WITH WATER	
WW #19 R= 695.39 = 690.74 N. & S.	

DRAFTED BY: BLJ
ORDER NO.: 120111.1
FILE: 17-42-11
PROJECT NO.: 1223

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
FIELD WORK COMPLETED: JUNE 21, 2012

STATE OF ILLINOIS } SS
COUNTY OF DUPage }
I, THOMAS A. MOLLOY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR AND MANAGING AGENT OF EDWARD J. MOLLOY AND ASSOCIATES, LTD., HEREBY CERTIFY THAT A SURVEY HAS BEEN MADE UNDER MY DIRECTION OF THE PROPERTY LEGALLY DESCRIBED HEREON AND THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION OF SAID SURVEY. DIMENSIONS ARE SHOWN IN FEET AND DECIMAL PARTS THEREOF.

SIGNED AT BENSENVILLE, ILLINOIS THIS 26TH DAY OF JUNE, A.D. 2012

EDWARD J. MOLLOY AND ASSOCIATES, LTD.
AN ILLINOIS PROFESSIONAL DESIGN FIRM - LICENSE NO. 184-002910

THOMAS A. MOLLOY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35409
(EXPIRES NOVEMBER 30, 2012 AND IS RENEWABLE)
MANAGING AGENT, ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-002910
(EXPIRES APRIL 30, 2013 AND IS RENEWABLE)

VALID ONLY WITH EMBOSSED SEAL

1. 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. The Engineer Immediately After 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 Village of Arlington Heights 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 Herein 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 Disturbed 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 These Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plans, And Shall Be Responsible For The 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 State Agencies, including but not limited to, 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.

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 Streets Free and Clear of Construction Related Dirt/Dust/Debris.
3. Coordinate Existing Utility Removal with Local Authorities and Utility Companies Having Jurisdiction.
4. Coordinate Removal of Overhead Wires And Utility Poles With Authorities Having Jurisdiction And Respective Utility Providers.
5. 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.
6. 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 Shall be Approximate and May Be Field Adjusted to Accommodate Conditions, Joint, Material Type, etc. Retain a Minimum Amount Necessary for Installation of Proposed Improvements.
7. Provide and Maintain All Necessary Traffic Control and Safety Measures Required During Demolition and Construction Operations Within or Near the Public Roadway.
8. All Light Poles to Be Removed From Private Property Shall Be Removed in Their Entirety, Including Base and All Appurtenances. Coordinate Abandonment of Electrical Lines with the Electrical Engineer and Owner Prior to Demolition.
9. Perform Tree Pruning In All Locations Where Proposed Demolition And/Or Utility Installation or Enhancement Will Require The Existing Dip Line of Trees to Remain. All Trenching Within The Dip Line of Existing Trees to Remain Shall Be Done Radially Away From Trunk If Trunks In Excess Of 1" Diameter are Exposed. Roots Must Be Cut By Reputable Tree Pruning Service Prior To Any Reverse Trenching. Obtain Approval Of The Architect Prior To Operations For A Variance From This Procedure.
10. Coordinate Tree Removal with Landscape Architect. All Trees To Be Removed Shall Be Removed in Their Entirety and Shall Be Ground to Proposed Subgrade Use As Much for Proposed Landscaping Where Applicable and Acceptable to Architect.
11. Provide Tree Protection Fencing Prior To Construction Operations. Maintain Throughout Construction.

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

1. Utility Service Lines as Shown Hereon are Approximate. Coordinate The Exact Locations With The Plumbing Contractors. 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. Coordinate With Engineer Prior to Relocation of Existing Utilities Very 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. Provide Adequate Coupling Device and/or Oversized Concrete Flood-End Section to Accommodate HDPE Storm Sewer.
9. The "Standard Specifications for Water and Sewer Main Construction in Illinois", Current Edition Shall Govern Work Where Applicable.

1. All Catch Basins to Be Installed in Paved Areas Shall Have Neenah R2504--B Frame & Grate or Approved Equal.
2. All Catch Basins to Be Installed in Landscaped Areas Shall Have Neenah R3430--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 Catch Basins to Be Installed Along Curb and Gutter (B-6.12) Shall Have Neenah R3281--A Frame & Grate or Approved Equal.
4. 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.
5. 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.
6. All Manholes Shall Have Neenah R1713--B Frame & Closed Lid or Approved Equal, with "Storm" or "Sanitary" Imprinted as Appropriate.
7. For All Manhole Structures to Be Adjusted, Install or Remove Adjusting Rings, New Cone Section or New Barrel Section As Necessary.
8. All Flared End Sections 12" and Larger Shall Include an IDOT Standard Grade.
9. All Flared End Sections Shall Be Concrete.
10. All Sanitary Manholes Shall Include a Chimney Seal.

1. 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.
2. All Landscaped Areas Disturbed By Construction Shall Be Reseeded With 6 Inches (Min.) to 12 Inches (Max.) Topsoil and Seed Unless Noted Otherwise On The Landscape Drawings.
3. Refer to Architectural Drawings for Locations and Patterns of Erosion and Control joints in Concrete Pavement and Sidewalks.
4. 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 Slopes Shall Be 4.9%. Contact Engineer if Conflicts Exist.

1. Illinois Urban Manual Shall Govern All Soil Erosion and Sediment Control, and Related Work.
2. Contractor Shall Be Responsible for Compliance With IEPA NPDES and ILRI0 Permit Requirements for Project.
3. 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.
4. Soil Erosion and Sediment Control Features Shall Be Constructed Prior to the Commencement of Upland Disturbance.
5. Temporary Soil Stabilization Shall Be Applied to Topsoil Stockpiles and Disturbed Areas, Where Construction Activity Will Be Necessary For Periods Exceeding The 14 Calendar Days. Temporary Measures Shall Be Applied Within 7 Calendar Days of the End of Active Hydrologic Disturbance. The Permanent 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.
6. All Temporary And Permanent Erosion Control Measures Shall Be Removed Within 30 Days After Final Site Stabilization Is Achieved. All Temporary Measures Are No Longer Needed. Trapped Sediment And Other Disturbed Soil Areas Shall Be Permanently Stabilized.
7. 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 Will Be Established Over 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.
8. All Storm Sewer Structures That Are, Or Will Be, Functioning During Construction Shall Be Protected, Filtered, And 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.
9. All Storm Sewer Structures That Are, Or Will Be, Functioning During Construction Shall Be Protected, Filtered, And Otherwise Treated To Remove Sediment. The General Contractor Shall Use and Maintain "Dandy Pop" Inlet Protectors (or equal) and Filter Wattles Around The Grate In Landscaped Areas And "Catch-All" Inlet Protectors (or equal, such as Pork Chop Sedgiment) in Paved Areas To Prevent Siltation and Discharge into Waterways.
10. All Temporary And Permanent Sediment And Erosion Control Measures Must Be Maintained, Repaired, And Inspected In Conformance With All Applicable EPA-NPDES Project II.

Referenced Specifications

- All Construction Shall Be In Accordance With The Applicable Sections Of The Plans, Except As Modified Herein Or On The Plans:
 - Standard Specifications For Road And Bridge Construction (Latest Edition), By The Illinois Department Of Transportation (IDOT S5) For All Improvements
 - Standard Specifications For Sewerage And Sanitary Sewers (Latest Edition), By The Illinois Department Of Transportation (IDOT S5) For All Improvements
 - Standard Specifications For Water And Sewer Main Construction In Illinois, Latest Edition (SSWS) For Sanitary Sewer And Water Main Construction;
 - The Metropolitan Water Reclamation District Of Greater Chicago (MWRD) District Of Cook County, Illinois, Shall Govern In All Instances Wherein Encountered Within The Project Area Shall Be Removed Or Replaced, And In Case Of Conflict Between The Applicable Ordinances Noted, The More Stringent Shall Take Precedence And Shall Control All Construction.
- Notifications**
 - The MWRD Local Sewer Systems Section Field Office Must Be Notified At Least 10 Days Prior To The Commencement Of Any Work (Call 708-586-4055).
 - The Village of Arlington Heights Engineering Department And Public Must Be Notified At Least 24 Hours Prior To The Start Of Construction And Prior To The Start Of Construction Of Any Work. The Village Of Arlington Heights Engineering Department Shall Coordinate All Matters Requiring Inspection Prior To Start Of Construction Or Each Work Phase.
 - The Contractor Shall Notify All Utility Companies Prior To Beginning Construction For The Exact Locations Of Utilities And For Their Protection During Construction. The Contractor Shall Obtain Written Confirmation Of The Location With New Construction, Immediately Notify The Engineer So That The Conflict Can Be Resolved. Call J.U.I.L.I.E. At 1-800-892-0723.
- General Notes**
 - All Elevations Shown On Plans Reference The North American Vertical Datum Of 1988.
 - 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 For Information Only And Represent The Best Knowledge Of The Engineer, Or Testing Of This Work On The Project.
 - 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 And The Owner. The Construction Details, As Presented On The Plans, Must Be Followed. Proper Construction Techniques Must Be Followed On The Improvements Indicated On The Plans.
 - 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.
 - 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.
 - Material And Compaction Testing Shall Be Performed In Accordance With The Requirements Of The Municipality, MWRD, And Owner.
 - The Underground Contractor Shall Make All Necessary Arrangements To Notify All Inspection Agencies.
 - All New And Existing Utility Structures On Site And In Areas Disturbed During Construction Shall Be Adjusted To Finish Grade Prior To Final Inspection.
 - Record Drawings Shall Be Kept By The Contractor And Submitted To The Engineer As Soon As Construction Prior To Commencement Of Final Construction. Payments To The Contractor Shall Be Held Until They Are Received. Any Discrepancy 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.
- Sanitary Sewer**
 - The Contractor Shall Take Measures To Prevent Any Polluted Water, Such As Ground And Surface Water, From Entering The Sanitary Sewer Systems.
 - A Water-Tight Plug Shall Be Installed In The Downstream Sewer Pipe At The Point Where The Sewer Pipe Is Installed. The Plug Shall Be Installed In The Downstream Sewer Pipe At The Point Where The Plug Shall Remain In Place Until Removal Is Authorized By The Municipality And/Or MWRD After The Sewers Have Been Tested And Accepted.
 - Discharging Any Unpolluted Water Into The Sanitary Sewer System For The Purpose Of Flushing Out Lines For The Deflection Test Shall Be Prohibited Without Prior Approval From The Municipality Or MWRD.
 - 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.
 - 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 Specification	Joint Specification
Reinforced Concrete Sewer Pipe	ASTM C-76	ASTM C-443
Polyvinyl Chloride (PVC) Pipe 6-Inch To 15-Inch Diameter, SDR 26	ASTM D-3034	ASTM D-3212
18-Inch To 27-Inch Diameter P/DY46	ASTM F-679	ASTM S-3212
High Density Polyethylene (HDPE)	ASTM D-3350	ASTM D-3251, F-2620 (Heat Fusion)
	ASTM D-3035	F-477 (Gasketed)
 - Water Main Quality PVC

	AWWA C900	ASTM D-3212
4-Inch To 12-Inch		
14-Inch To 48-Inch	AWWA C905	ASTM D-3212
 - All Sanitary Sewer Construction (And Storm Sewer Construction In Combined Sewer Areas), Requires Stone Bedding With Stone 1/4 To 1 In Size, With A Minimum Bedding Thickness Of 6 Inches. The Downstream End Of The Sewer Pipe, But Not Less Than Four (4) Inches Nor More Than Eight (8) Inches, Shall Be Cut Or Beveled And Shall Be Extended At Least 12" Above The Top Of The Pipe When Using Plug.
 - "Band Seal" Or Similar Non-shear Flexible-type Couplings Shall Be Used In The Connection Of Sewer Pipes Of Dissimilar Materials.
 - Below The Flood Protection Elevation (FPE = BFE + 2 Feet), All Sanitary Sewer Manholes And Structures Shall Be Provided With Bolted, Watertight Gaskets. Watertight Gaskets Shall Be Provided With A Gasketed Flange And Watertight Gasket With The Word "Sanitary Cast Into The Lid."
 - 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 Sewer Main By Proper Tools ("Shower-Tap Method")
 - Remove An Entire Section Of Pipe (Breaking Only The Top Of One Manhole)
 - Replace With A Wye Or Tee
 - With A Pipe Cutter, Neatly And Accurately, Cut Out Desired Length Of Pipe For Insertion Of Proper Fitting, Using "Band Seal" Or Similar Couplings To Connect To Existing Sewer Main
 - 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 1 Feet Shall Be Maintained Between The Sewer And The Watermain. If The Watermain Is Maintained Above The Sewer, The Sewer Is To Be Installed In A Separate Trench, Keeping A Minimum 18" Vertical Separation Between The Sewer And The Watermain. If The Sewer Crosses Above The Watermain, The Sewer Shall Be Constructed To Watermain Standards.
 - All Existing Septic Systems Shall Be Abandoned. Abandoned Tanks Shall 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.
 - All Sanitary Manholes, (And Storm Manholes In Combined Sewer Areas), Shall Have A Precast Reinforced Concrete Top That Conform To ASTM C-993 For All Pipes And Connections. Precast Sections Shall Consist Of Modified Groove Tongue And Groove Connections.
 - All Abandoned Sanitary Sewers Shall Be Plugged At Both Ends With At Least 2 Feet Long Non-shrink Concrete Or Mortar Plug.
 - Except For Foundation/Footing Drains Provided To Protect Buildings, Or Perforated Pipes Associated With Volume Control Facilities, Drain Tiles/Field Drains/Perforated Pipes/Drains Shall Not Conform To ASTM C-993 For All Pipes Or Tributary To Combined Sewers, Sanitary Sewers, Or Storm Sewers Tributary To Combined Sewers In Combined Sewer Areas. Construction Of New Facilities Of Perforated Pipes/Drains/Field Drains/Perforated Pipes/Drains And Perforated Pipes Encountered Within The Project Area Shall Be Removed Or Replaced, And In Case Of Conflict Between The Applicable Ordinances Noted, The More Stringent Shall Take Precedence And Shall Control All Construction.

145 COMMERCE DRIVE, SUITE A
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PROFESSIONAL DESIGN FIRM
LICENSE No. 184-003220
EXPIRES: 04/30/2013

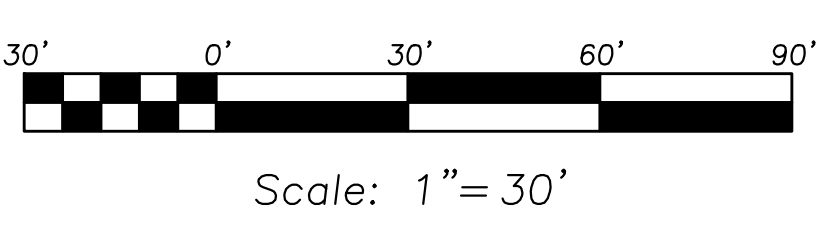
**NEW ADDITION AND INTERIOR RENOVATIONS TO:
ST. EDNA CATHOLIC CHURCH
2525 N. ARLINGTON HEIGHTS RD. ARL.**



JAEGER NICKOLA KUHLMAN
& ASSOCIATES, LTD., ARCHITECTS
350 S. NORTHWEST HIGHWAY, SUITE 106, PARK RIDGE, IL
60068
847.692.6166 Fax 847.692.2002

	ISSUE REVISION	MM.DD.YY
3	PLAN COMMISSION	09.25.17
	PLAN COMMISSION SUBMITAL	08.18.17
	BID SET	05.01.17
	100% DD	03.01.16
	95% DD	02.23.16
	50% DD	02.09.16

DRAWN: -----		PLOT DATE: 05/01/2017	
CHECKED: -		C-1	
JOB NUMBER: 1020			

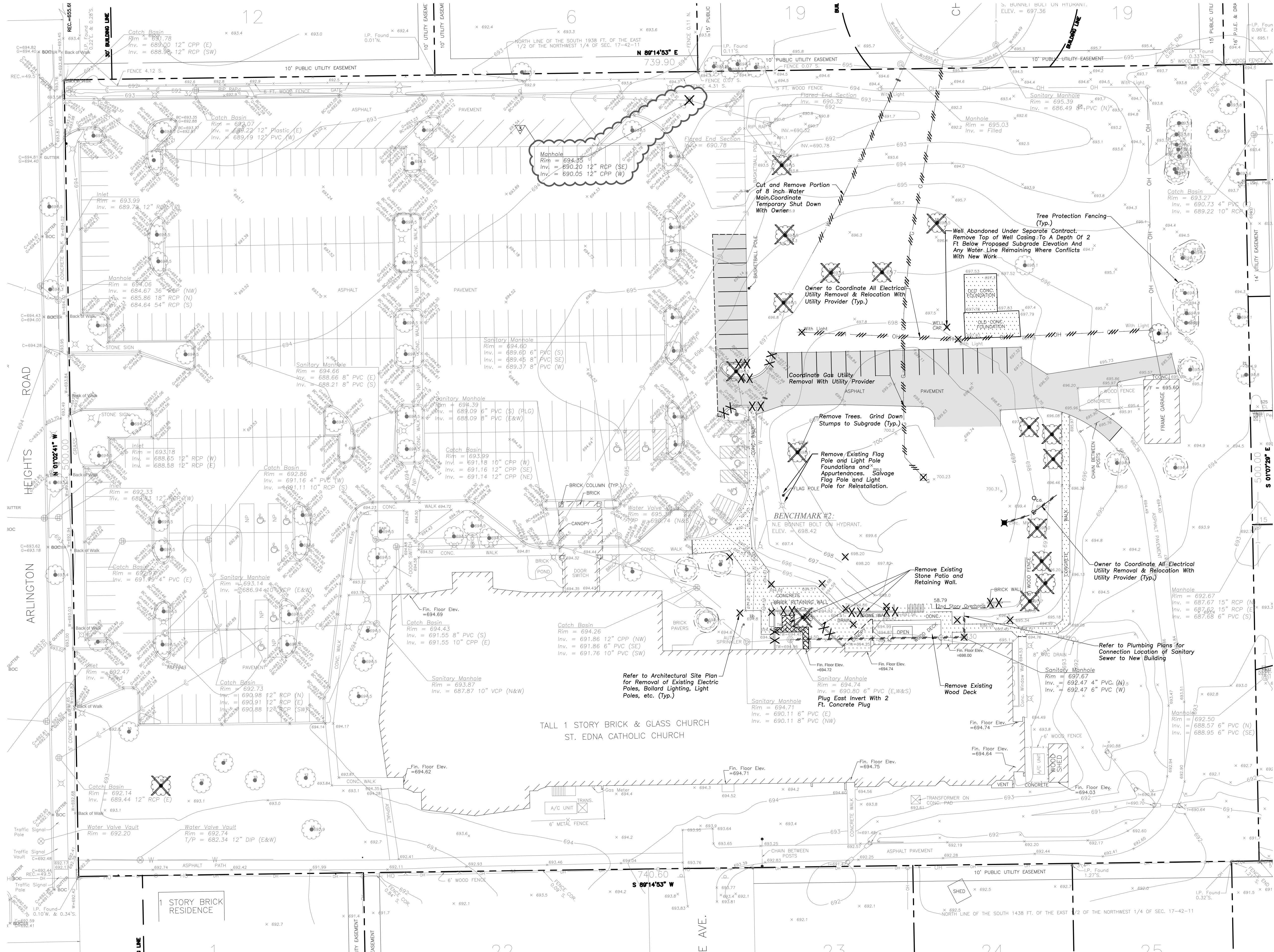


**ERIKSSON
ENGINEERING
ASSOCIATES, LTD.**

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LEGEND

- | EXISTING | PROPOSED |
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NEW ADDITION AND INTERIOR RENOVATIONS TO:
ST. EDNA CATHOLIC CHURCH
2525 N. ARLINGTON HEIGHTS RD. ARLINGTON HEIGHTS, IL 60004



JAEGER NICKOLA KUHLMAN
ASSOCIATES, LTD. ARCHITECTS
330 S. NORTHWEST HIGHWAY, SUITE 106, PARK RIDGE, IL
60068
847.692.6166 Fax 847.692.2002

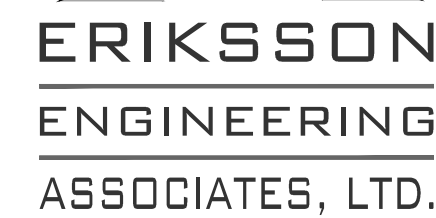
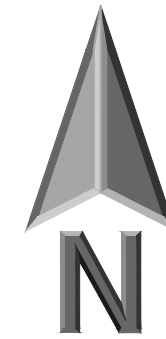
ISSUE	REVISION	MM.DD.YY
1	PLAN COMMISSION	09.25.17
2	PLAN COMMISSION	08.18.17
3	RD SET	05.01.17
4	100% DD	03.01.16
5	95% DD	02.23.16
6	50% DD	02.09.16

SITE DEMOLITION PLAN		
DRAWN	DATE	05/01/2017
CHECKED		
JOB NUMBER		1020

C-2

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

J.U.L.I.E.



LEGEND

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JNK
ARCHITECTS

	ISSUE REVISION	MM.DD.YY
3	PLAN COMMISSION	09.25.17
	PLAN COMMISSION SUBMITTAL	08.18.17
	BID SET	05.01.17
	100% DD	03.01.16
	95% DD	02.23.16
	50% DD	02.09.16

SITE GEOMETRY PLAN

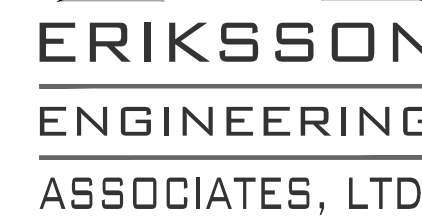
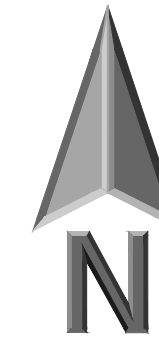
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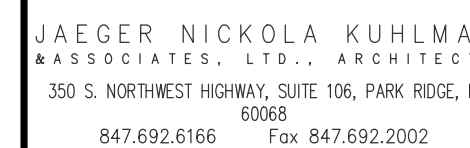
JOB NUMBER: **C-3**

C-3

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**NEW ADDITION AND INTERIOR RENOVATIONS TO:
ST. EDNA CATHOLIC CHURCH
2525 N. ARLINGTON HEIGHTS RD. ARL**



GRADING AND PAVING PLAN

CHECKED:	
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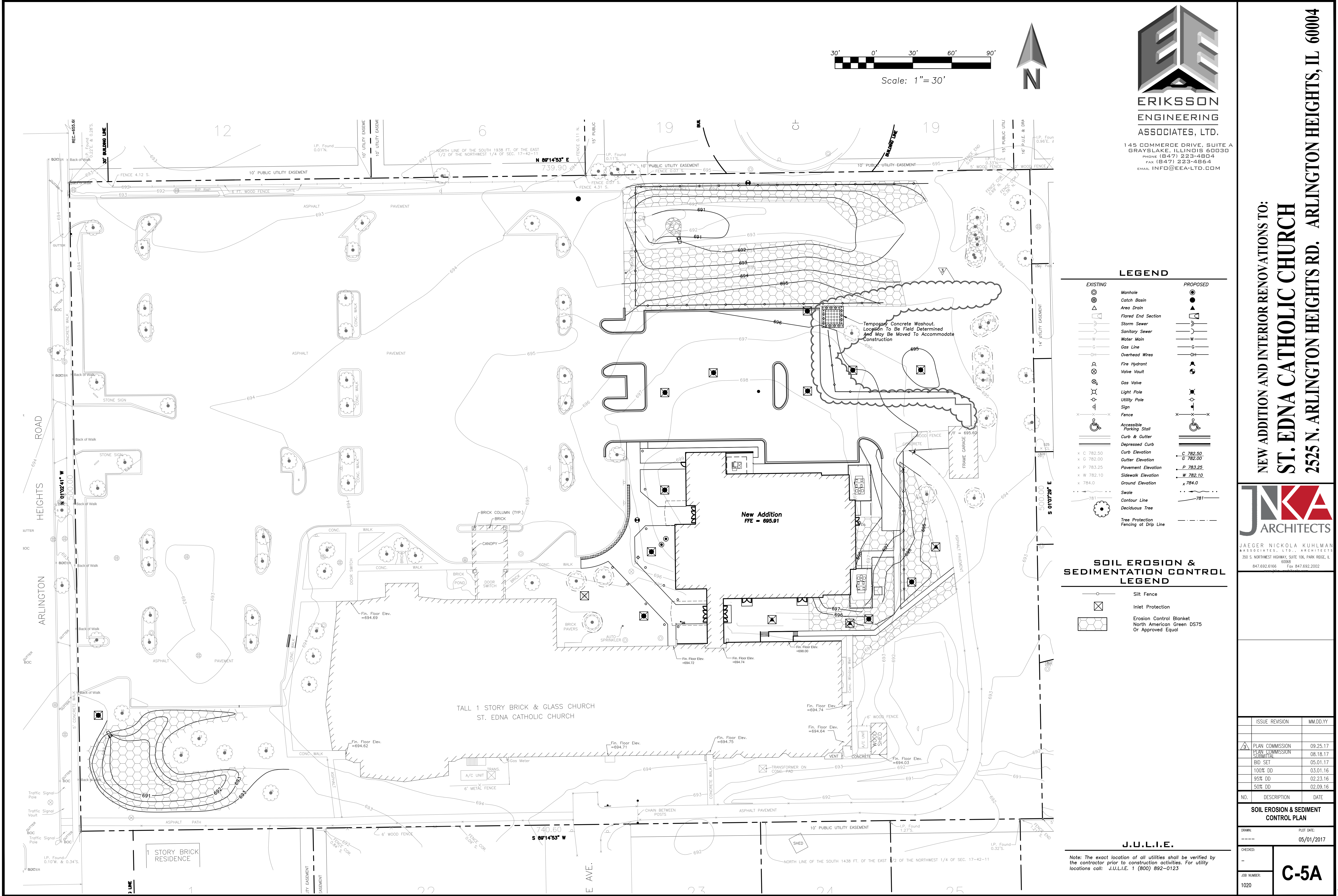
JOB NUMBER:
1020

C-5

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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

LEGEND

EXISTING	PROPOSED

SOIL EROSION & SEDIMENTATION CONTROL LEGEND

	Silt Fence
	Inlet Protection
	Erosion Control Blanket North American Green DS75 Or Approved Equal

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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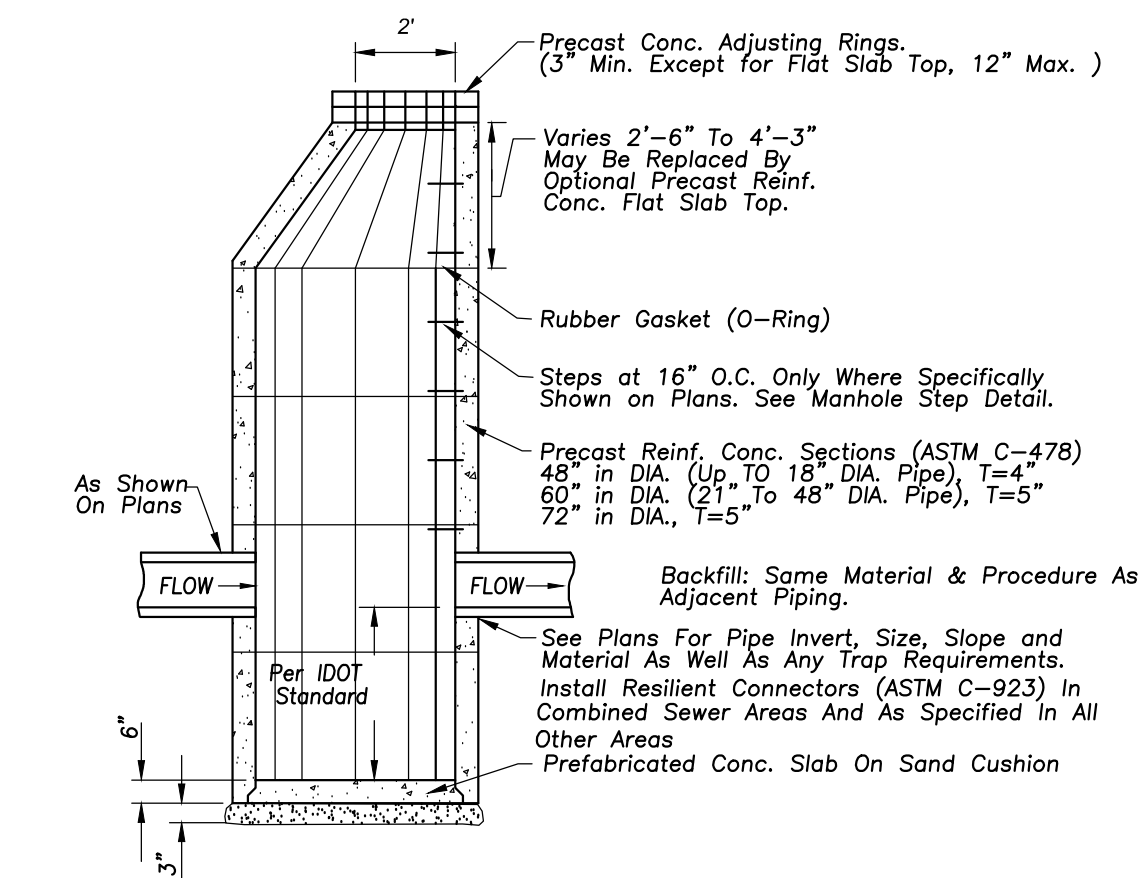


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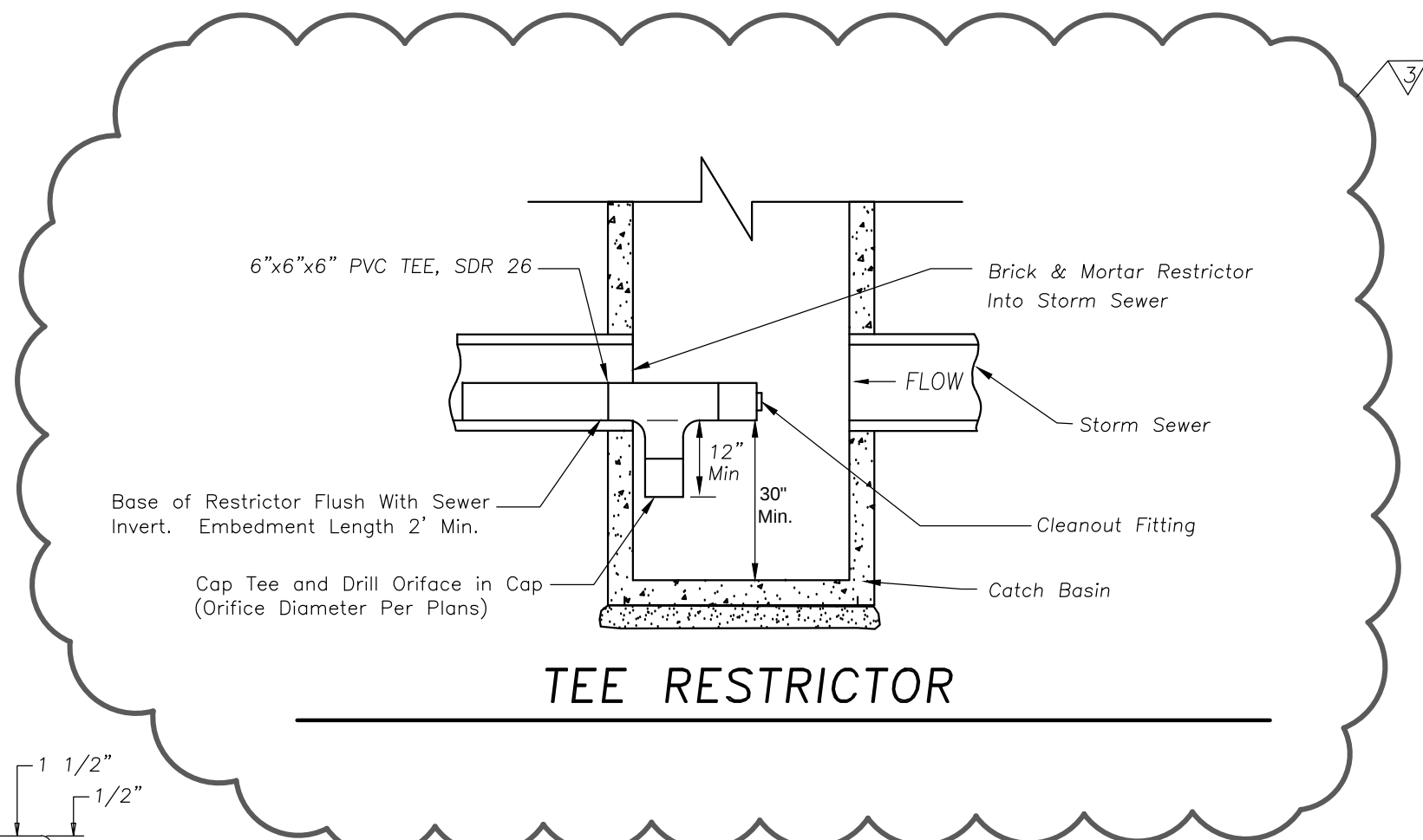
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SOIL EROSION & SEDIMENT CONTROL PLAN		
DRAWN:	PLAT DATE:	
-----	05/01/2017	
CHECKED:		

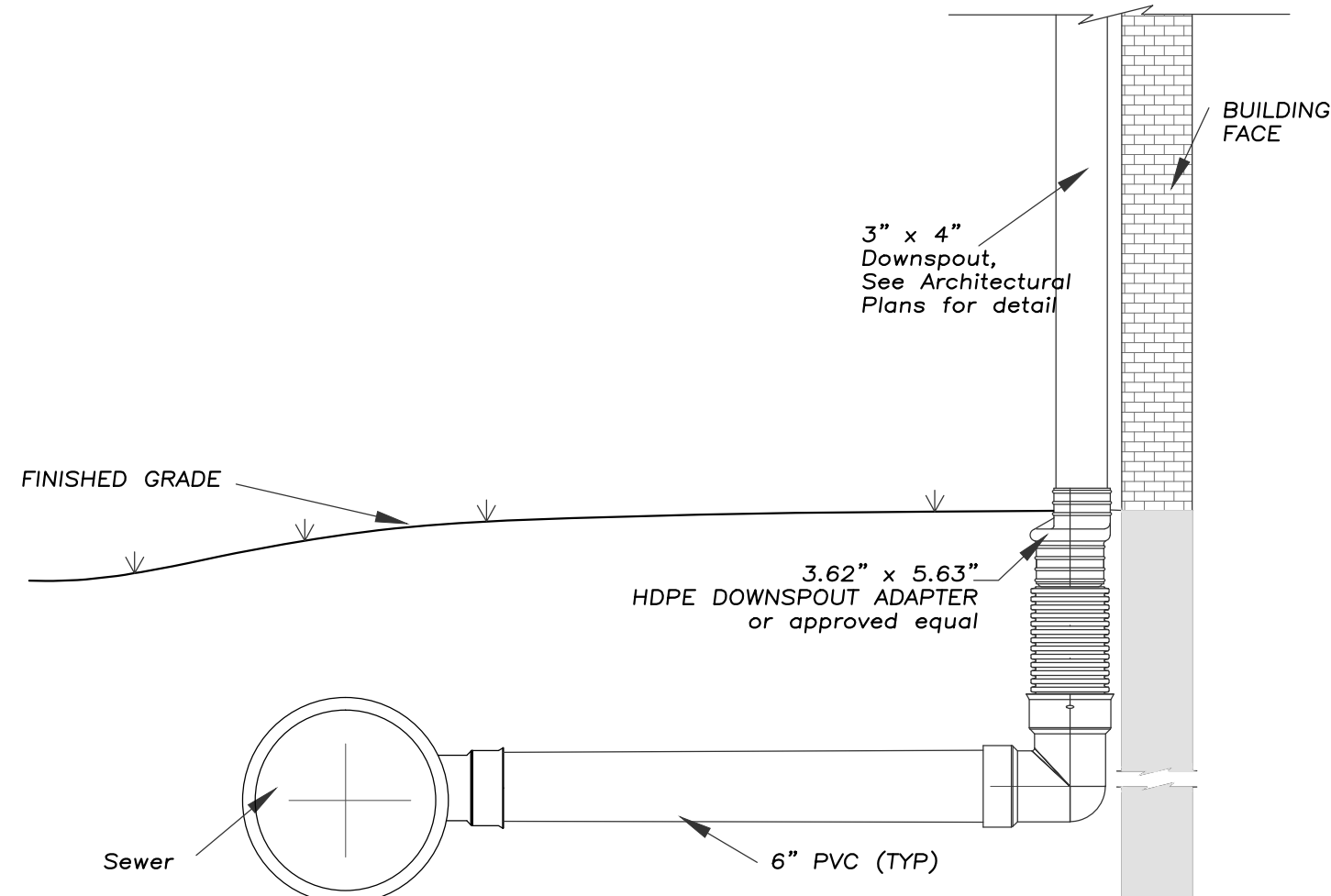
JOB NUMBER:		
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		C-5A



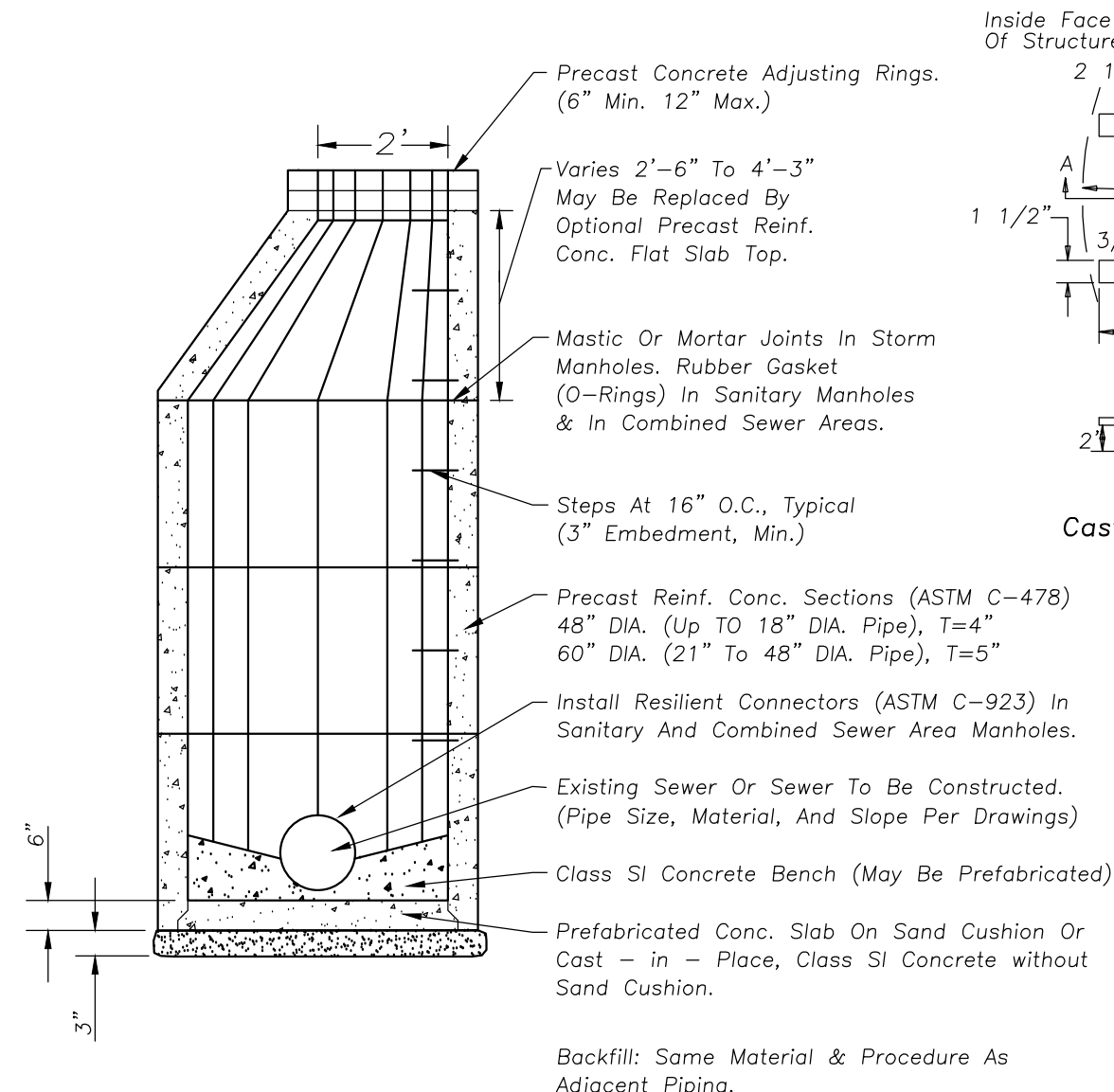
CATCH BASIN



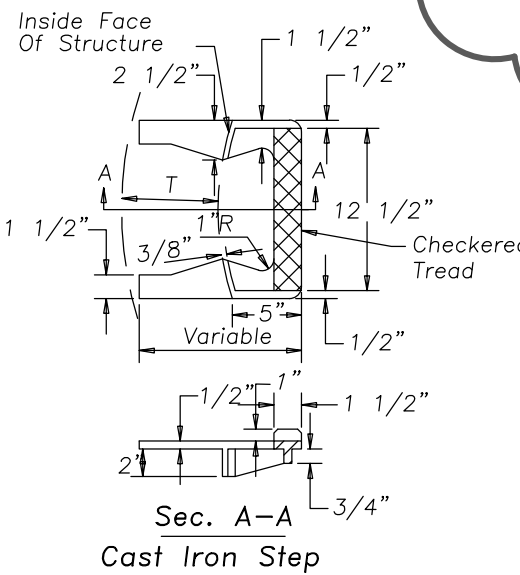
TEE RESTRICTOR



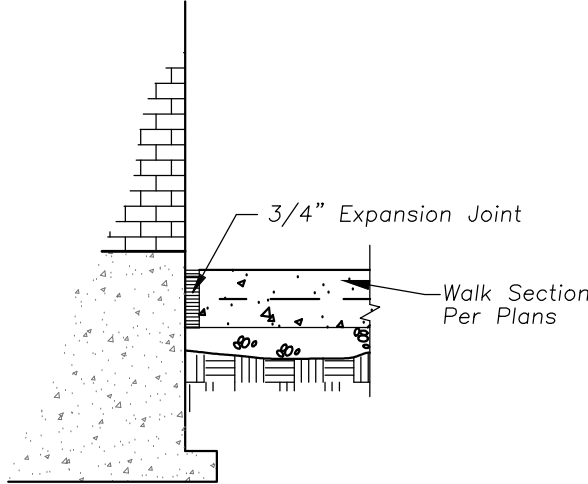
ROOF DRAIN & DOWNSPOUT DETAIL



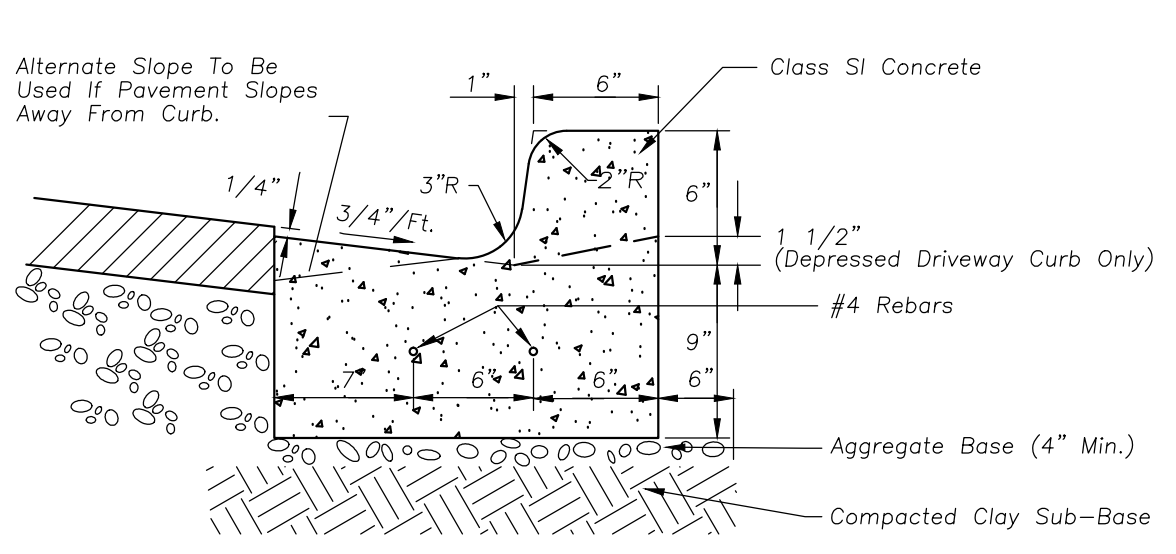
MANHOLE - 48"-60" DIA.



Sec. A-A Cast Iron Step

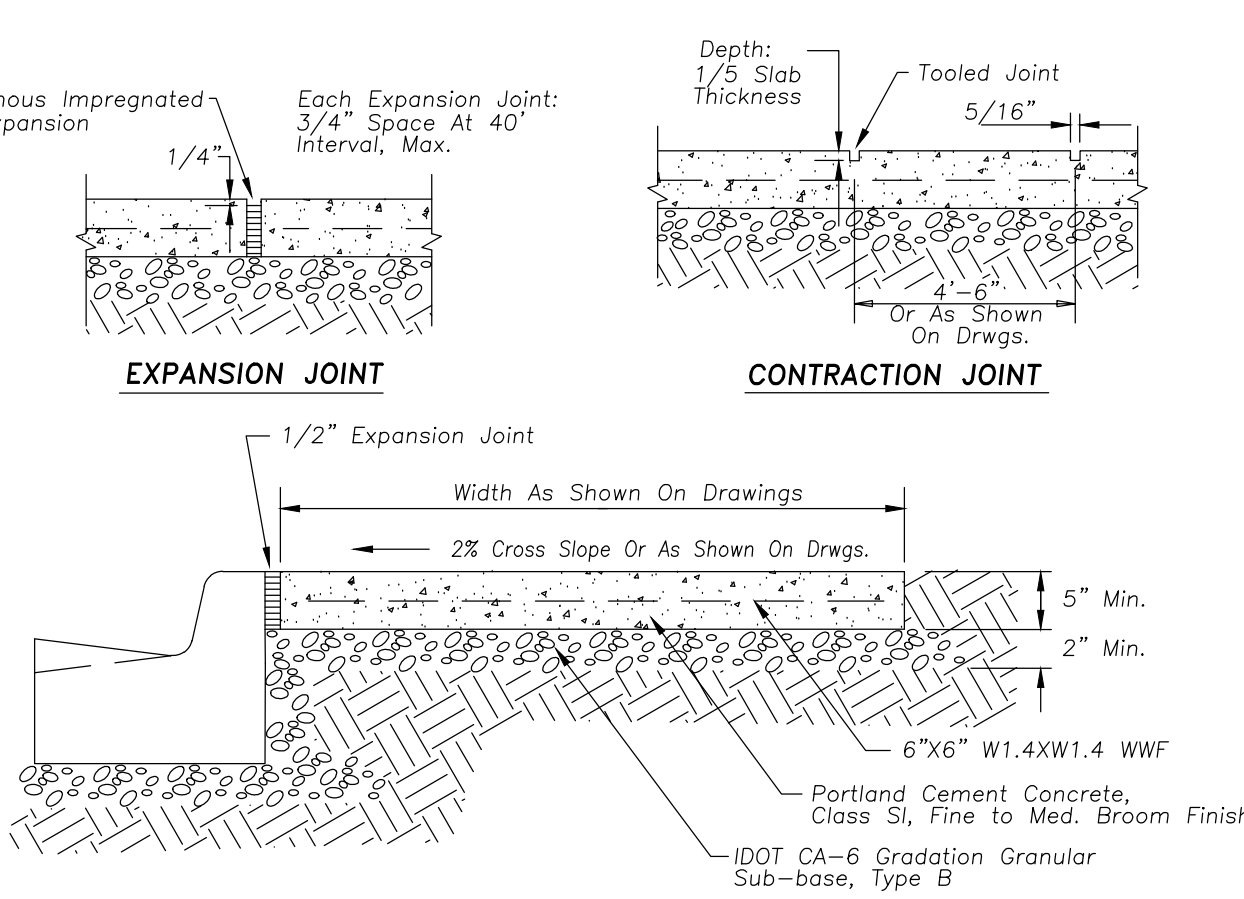


WALK ADJACENT TO BUILDING

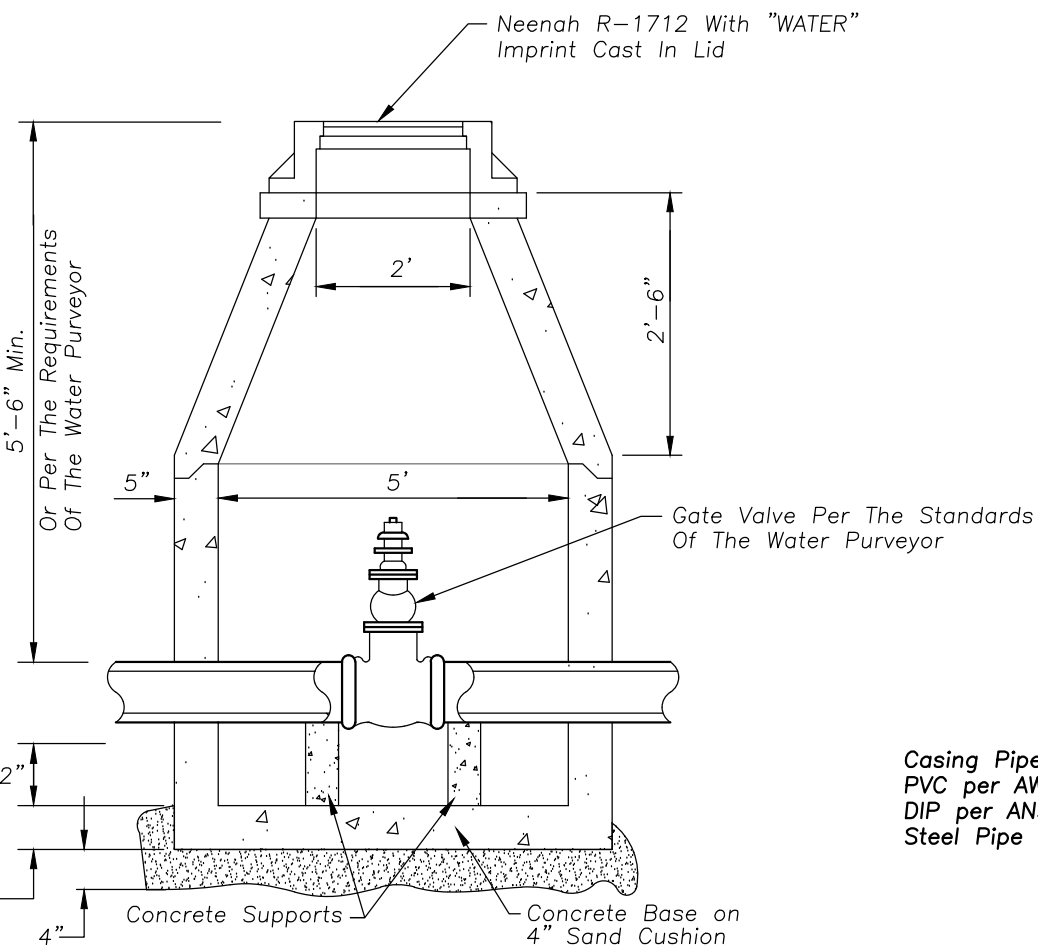


- Notes:
1. A 1" Expansion Joint Shall Be Installed At All Points of Curvature For Short Radius (under 25 ft.) Curves. Maximum Expansion Joint Spacing is 50'. Expansion Joints Shall Be Constructed With 1" Thick Preformed Expansion Joint Filler Conforming To The Curb And Gutter Cross Section And Shall Be Provided With One 1/4" ϕ , 18" Long, Coated Smooth Dowel Bar. The Dowel Bar Shall Be Fitted With A Cap With A Pinched Stop Which Provides A Minimum Of 1" Of Expansion.
 2. Maximum Contraction (Control) Joint Spacing Shall Be 20'.

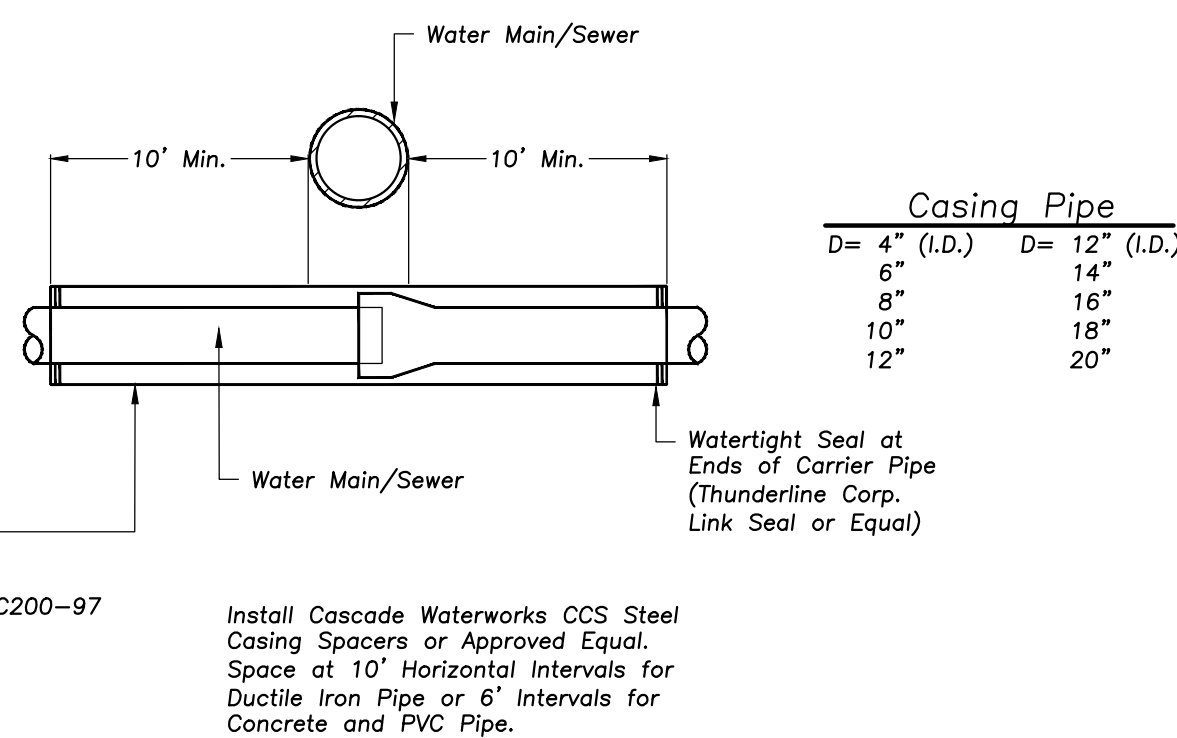
B-6.12 CURB & GUTTER



PORTLAND CEMENT CONC. SIDEWALK

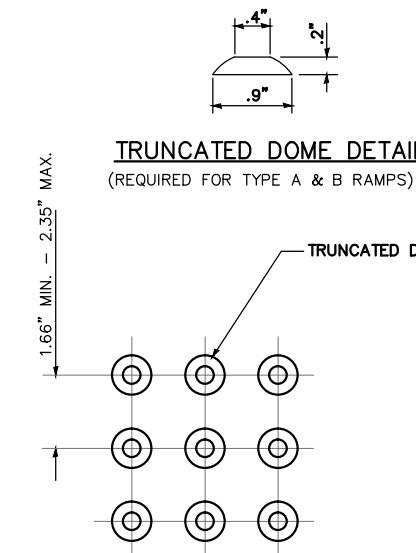


WATER VALVE VAULT

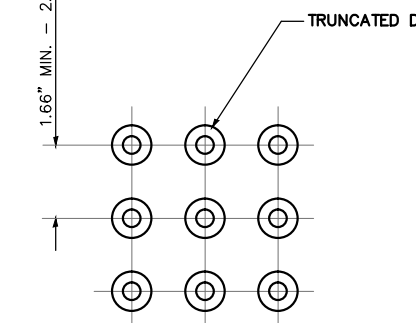


WATER MAIN PROTECTION DETAIL

Casing Pipe	
D= 4" (I.D.)	D= 12" (I.D.)
6"	14"
8"	16"
10"	18"
12"	20"

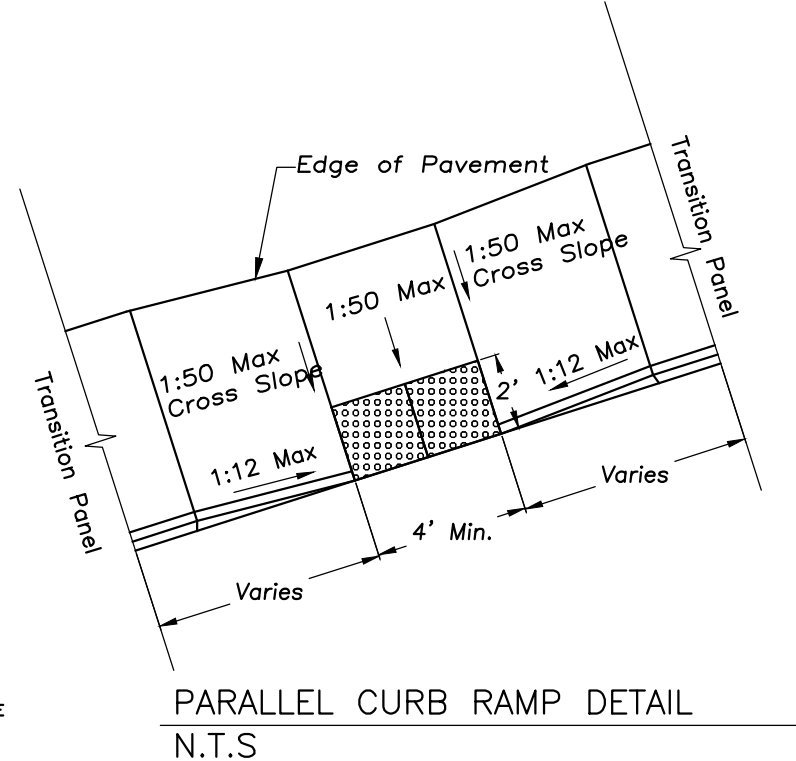


TRUNCATED DOME DETAIL

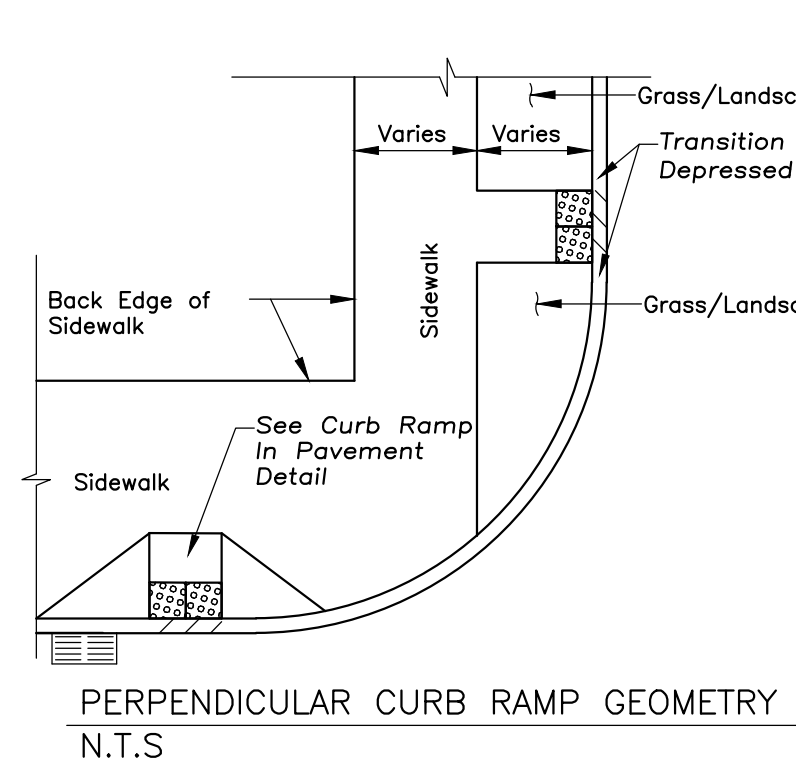


SQUARE PATTERN

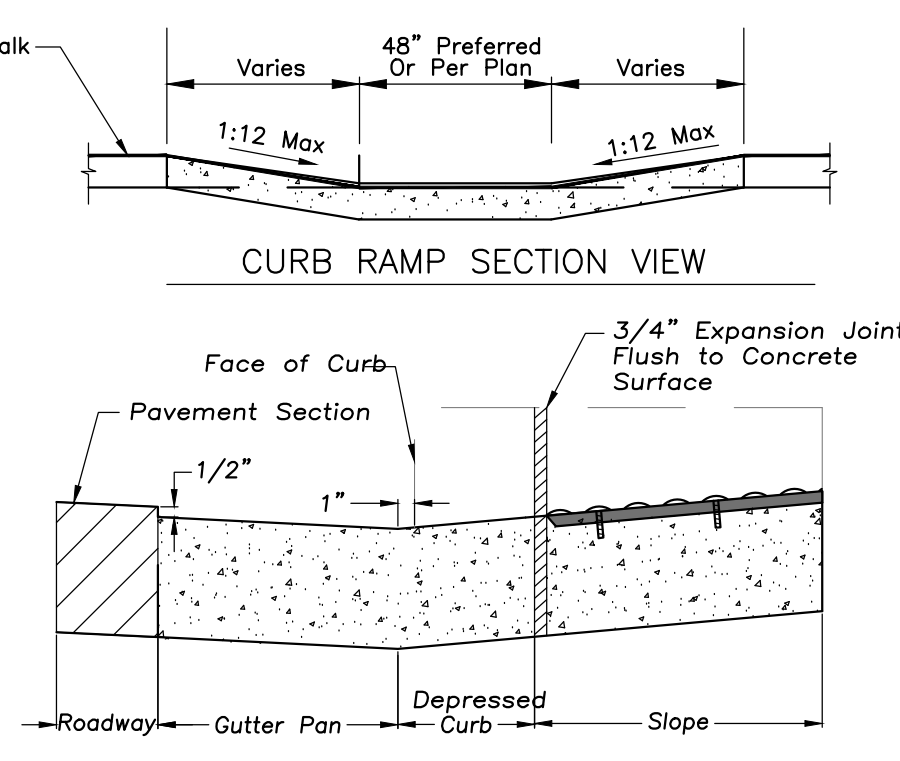
DETECTABLE WARNING DETAIL



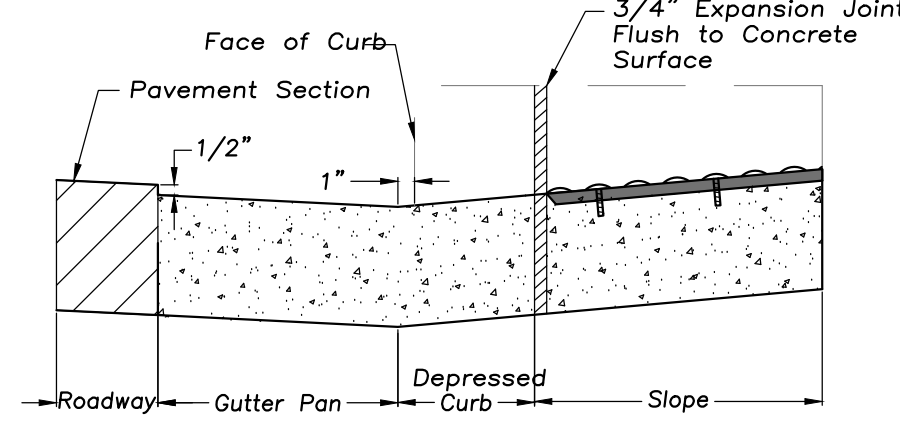
PARALLEL CURB RAMP DETAIL



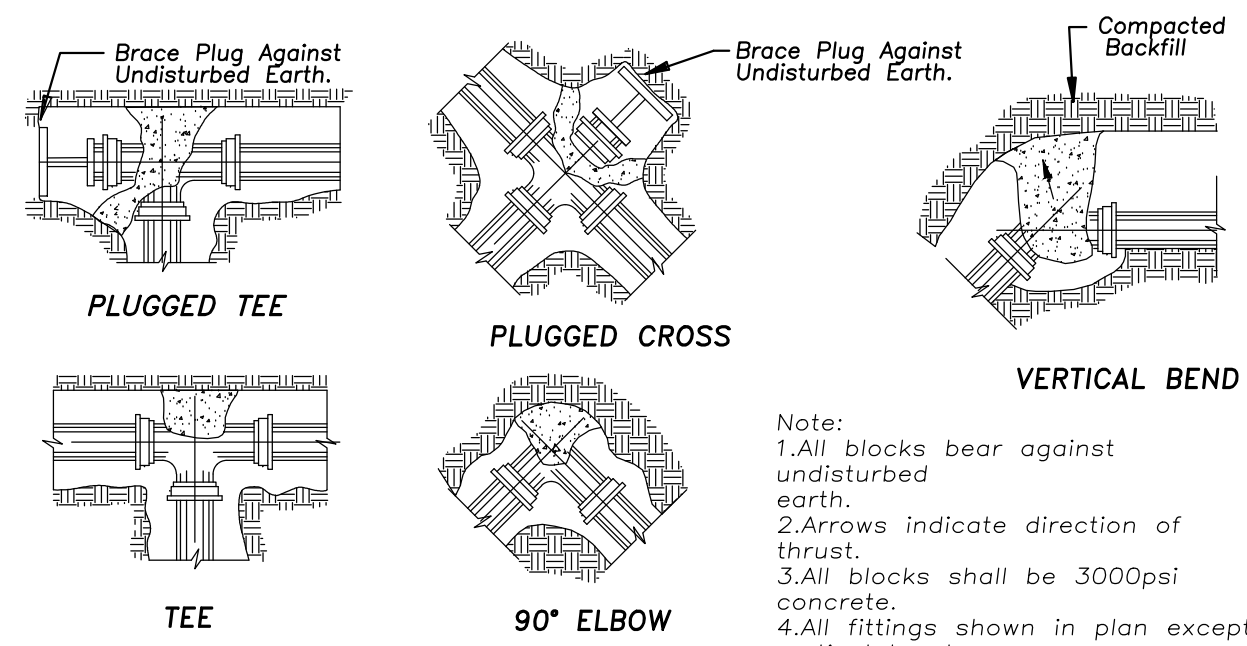
PERPENDICULAR CURB RAMP GEOMETRY



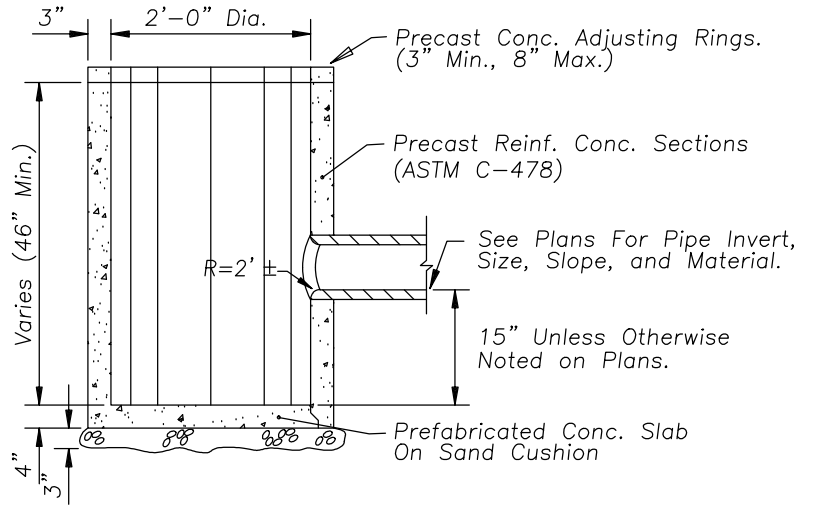
CURB RAMP SECTION VIEW



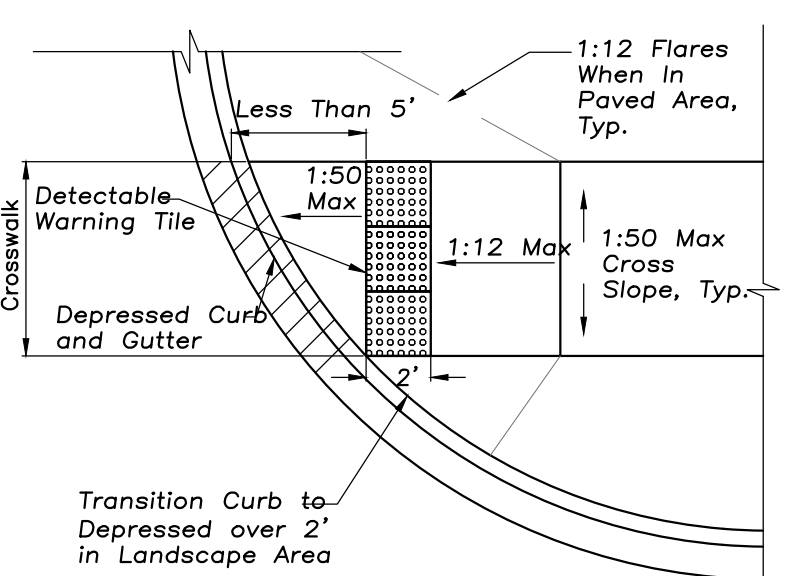
DEPRESSED CURB AND GUTTER AT CURB RAMP



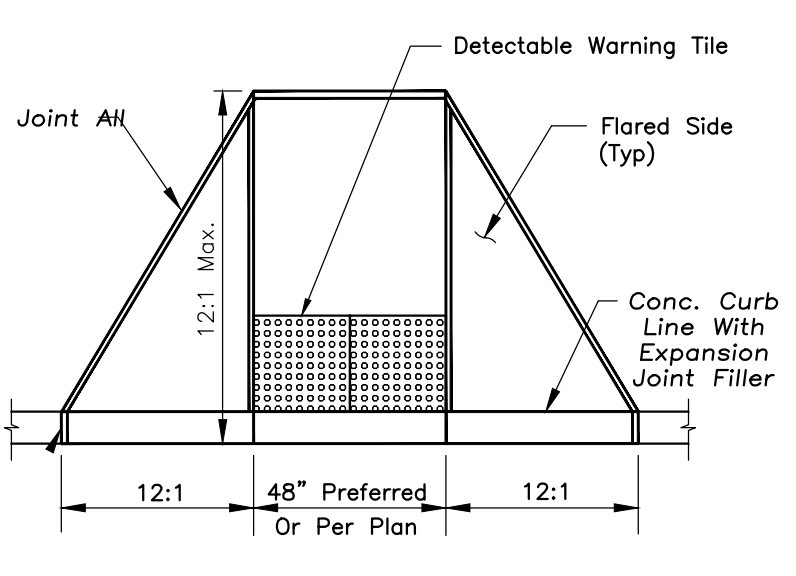
THRUST BLOCKING



CATCH BASIN - 2' DIA.



CURB RAMP AT RADIUS SKEWED INTERFACE DETAIL



CURB RAMP IN PAVEMENT

ACCESSIBLE RAMPS FOR SIDEWALKS

GENERAL NOTES

Description:
This work shall consist of constructing sidewalk curb ramps with detectable warnings in compliance with the Americans with Disabilities Act Accessibility Guidelines (ADAAG). The detectable warnings shall consist of an area of truncated domes that provide both visual and tactile cues to pedestrians who are about to enter into traffic.

The detectable warnings shall present a contrast in color from the adjacent sidewalk.

Construction Requirements:

1. Ramps Shall Be Located As Shown On Plans In Alignment With Normal Sidewalk And/or Curbwalk And Shall Have Sufficient Curb Length At Corner Radius To Prevent Vehicular Encroachment.
2. Curb Ramps At Marked Crossings Shall Be Wholly Contained Within The Markings Excluding Flared Sides.
3. In No Case Shall Expansion Joints That Are Constructed In Curb And Gutters At Or Near Corner Radiuses Be Located Within The Accessible Ramp Areas.
4. Where Preformed Joint Filler (p.j.f) Is Installed Against A Curved Surface, The Contractor Shall Use A Flexible Filler In Accordance With The Illinois Department Of Transportation (IDOT) Standard Specifications.

Equipment: Equipment for the detectable warning area of the curb ramps shall meet the requirements of the Authorities having Jurisdiction.

DETECTABLE WARNING SURFACE TILES

Provide Surface Applied Detectable/Tactile Warning Surface Tiles which comply with the detectable warnings on walking surfaces section of the Americans with Disabilities Act (Title III Regulations, 28 CFR Part 36 ADA STANDARDS FOR ACCESSIBLE DESIGN, Appendix A, Section 4.29.2 Dimensions and tolerances:

Dimensions: Cast In Place Detectable/Tactile Warning Surface Tiles shall be held within the following dimensions and tolerances:

Length and Width in One of the Following as Necessary for the Dimensions of the Surface in Which the Detectable Warning is Proposed: 12x12 24x24 24x36 24x48 36x48 36x60 nominal. No Cutting of Tiles is Allowed.

Installation of Detectable/Tactile Warning Surface Tiles Per Manufacturer's Instructions.

Verify With The Local Authorities Having Jurisdiction that Detectable/Tactile Warning Surface Tiles are an Acceptable Method of Providing for the Detectable Warning Surface.

Verify With The Local Authorities Having Jurisdiction that the Manufacturer's Products are Acceptable for the Detectable Warning Surface.

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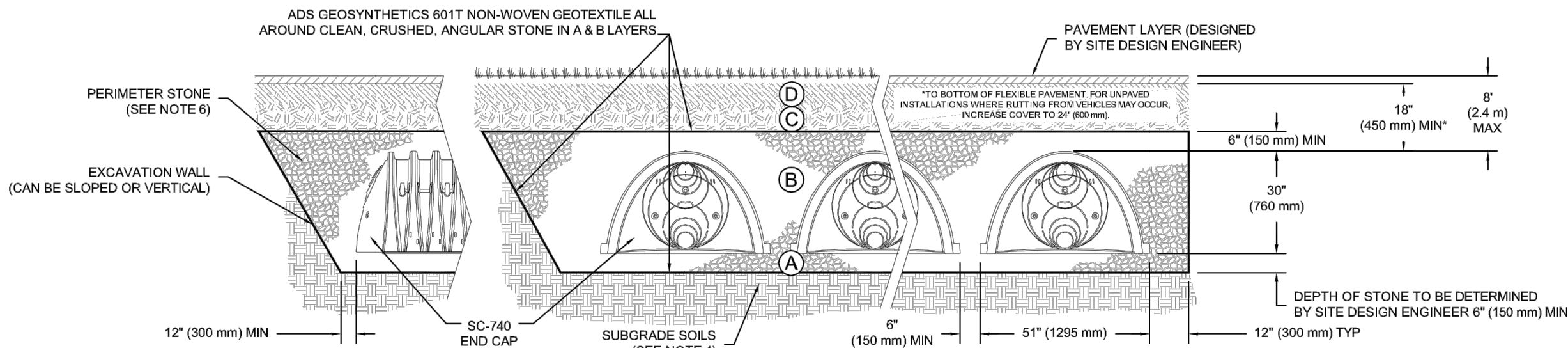
SITE DETAILS		
DRAWN:	-----	PLOT DATE: 05/01/2017
CHECKED:	---	
JOB NUMBER:	1020	
		C-6

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{1,2}

PLEASE NOTE:

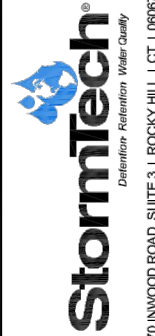
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE."
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



NOTES:

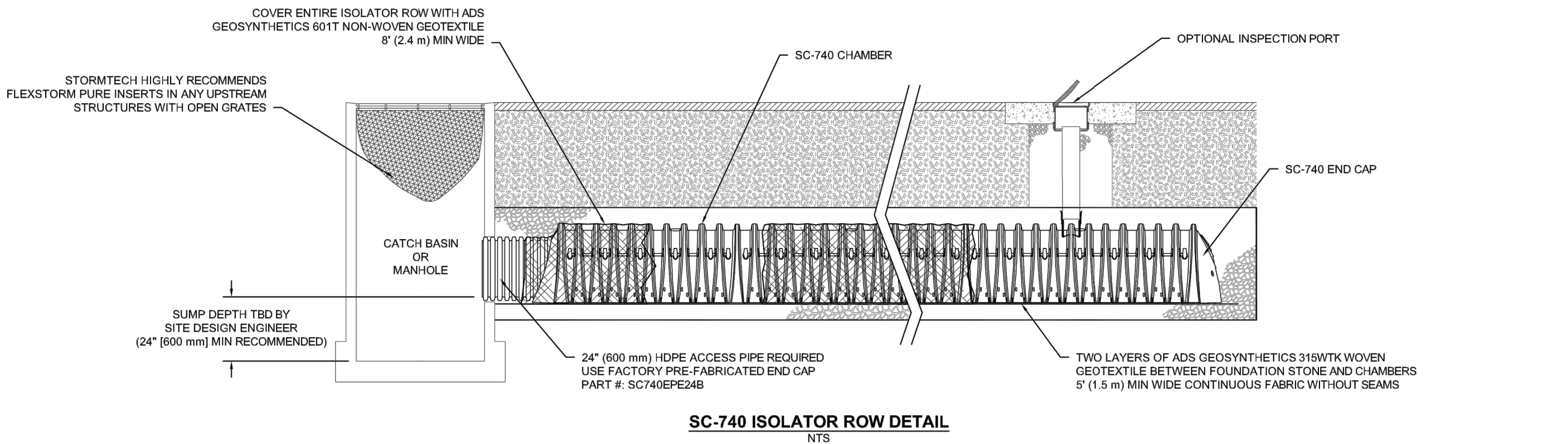
- SC-740 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

REV	DATE	DESCRIPTION	SC-740
01/18/14	11/18/14	UPDATE	STANDARD CROSS SECTION
01/18/14	11/18/14	DATE	11/18/14
01/18/14	11/18/14	PROJECT #	11/18/14
01/18/14	11/18/14	CHECKED	JLM
01/18/14	11/18/14	DRAWN	JLM



4640 TRUHEMAN BLVD
SUITE 43026
1-800-735-7473
STORMTECH SYSTEMS, LLC
70 INWOOD ROAD, SUITE 3 | ROCKY HILL, CT 06067
860-525-1888 | 860-562-2861 | WWW.STORMTECH.COM

SHEET
1 OF 1



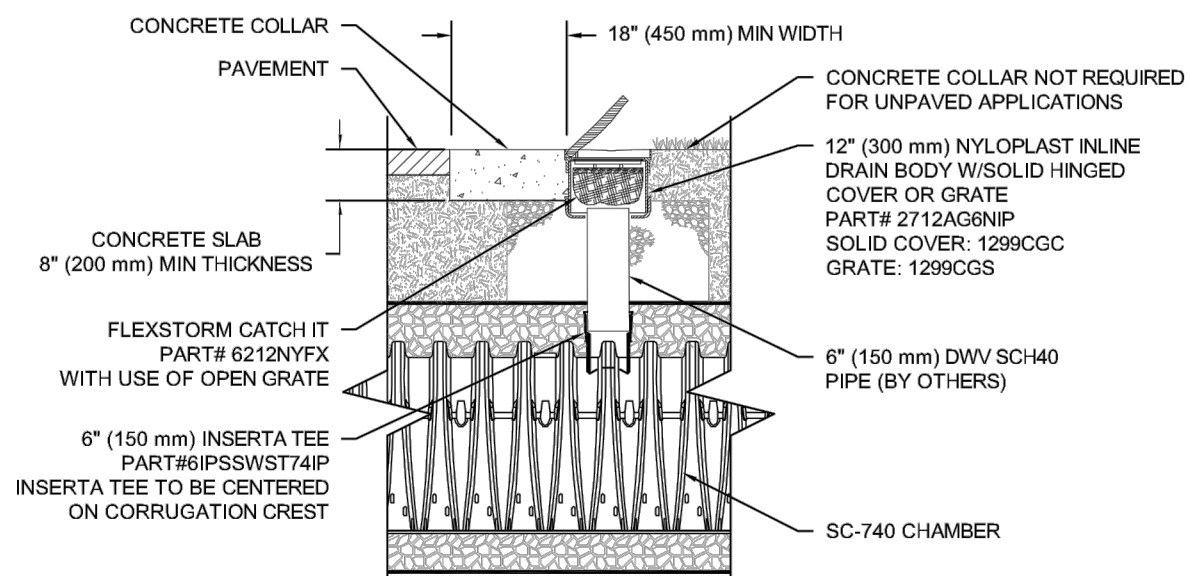
SC-740 ISOLATOR ROW DETAIL
NTS

INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
 - REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR ROWS
- REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
 - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
 - MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

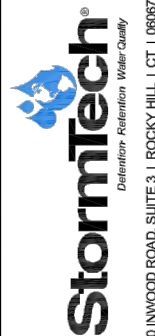
NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



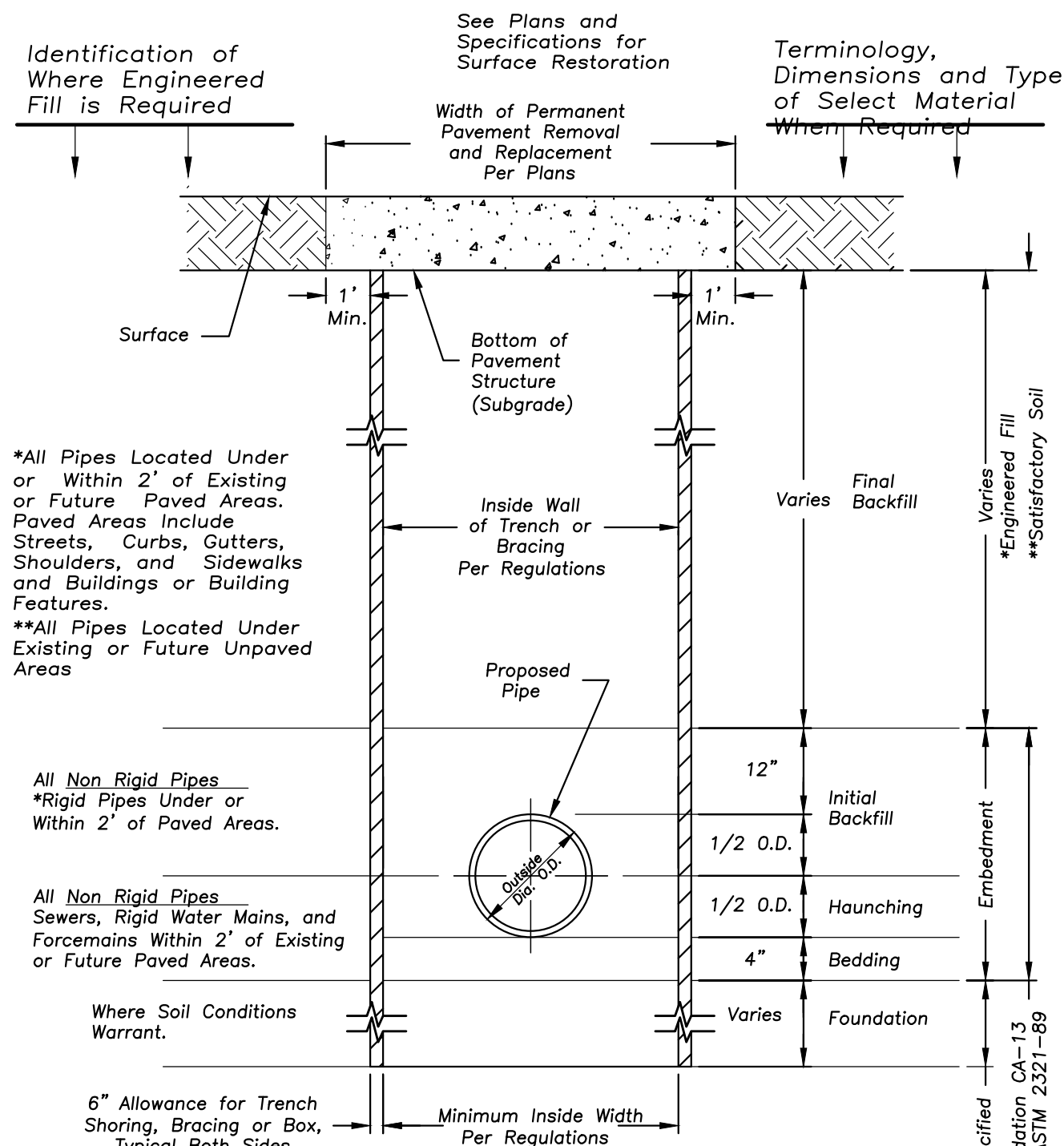
SC-740 6" INSPECTION PORT DETAIL
NTS

REV	DATE	DESCRIPTION	SC-740
01/18/14	11/18/14	UPDATE	ISOLATOR ROW DETAILS
01/18/14	11/18/14	DATE	11/18/14
01/18/14	11/18/14	PROJECT #	11/18/14
01/18/14	11/18/14	CHECKED	JLM
01/18/14	11/18/14	DRAWN	JLM



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STORMTECH SYSTEMS, LLC
70 INWOOD ROAD, SUITE 3 | ROCKY HILL, CT 06067
860-525-1888 | 860-562-2861 | WWW.STORMTECH.COM

SHEET
1 OF 1



NOTE:

For Rigid Pipe the Minimum Depth From Subgrade to Top of Pipe Shall be 12".

For Non-rigid Pipe the Minimum Depth From Subgrade to Top of Pipe Shall be 12" for Pipe up to 48" Diameter and 18" For Pipe Over 48" Diameter. Non-rigid Pipe is Defined as Flexible Thermoplastic Pipe and/or Corrugated Metal Pipe.

STANDARD SEWER AND WATER TRENCH SECTION

NEW ADDITION AND INTERIOR RENOVATIONS TO:

ST. EDNA CATHOLIC CHURCH

2525 N. ARLINGTON HEIGHTS RD. ARLINGTON HEIGHTS, IL 60004



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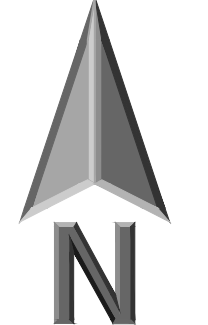
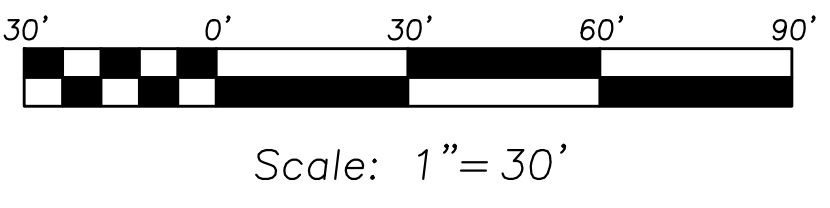
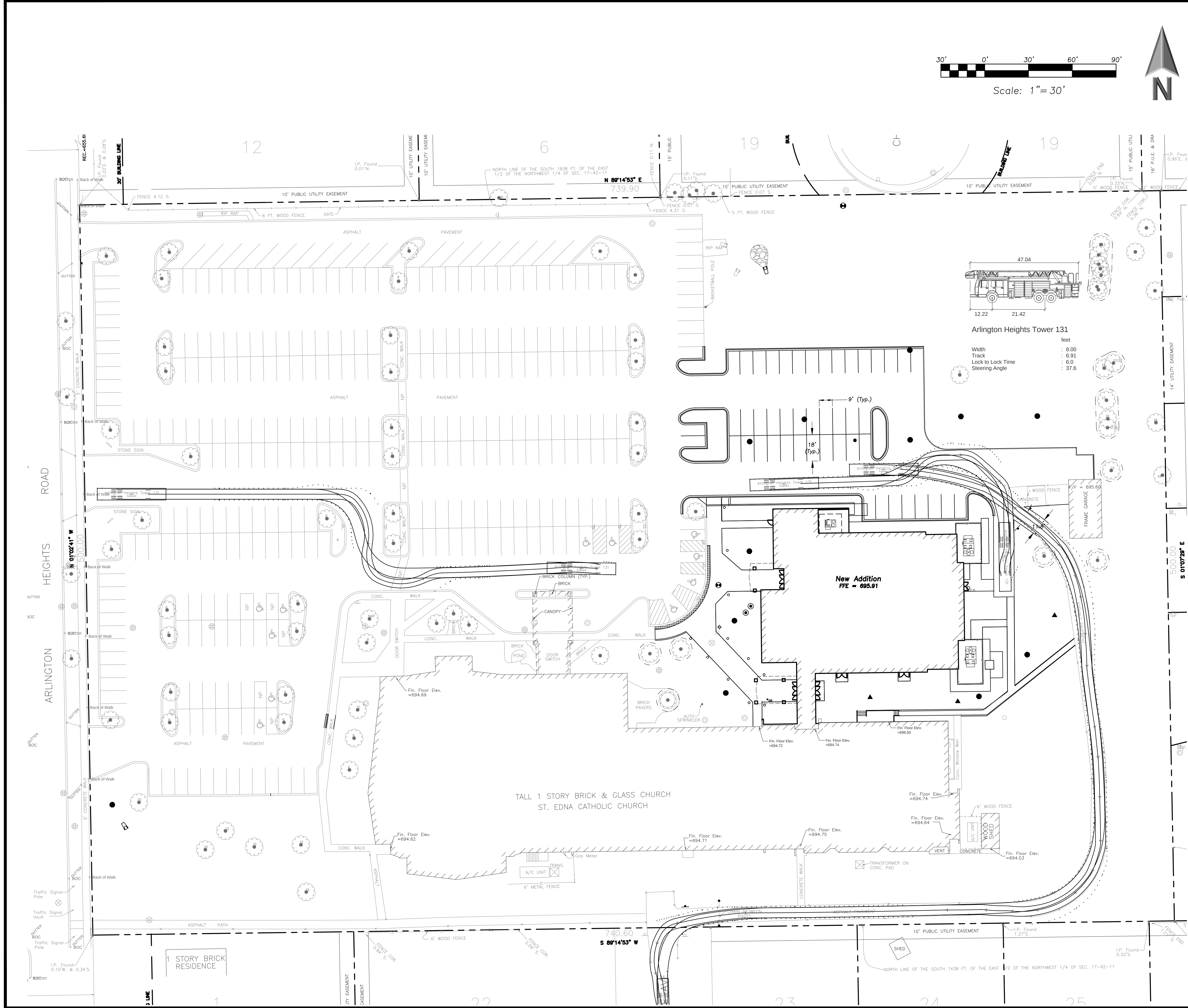
"CATCH-ALL" INLET PROTECTORS

NO PARKING - FIRE LANE



**NEW ADDITION AND INTERIOR RENOVATIONS TO:
ST. EDNA CATHOLIC CHURCH
2525 N. ARLINGTON HEIGHTS RD. ARL.**

SITE DETAILS	
DRAWN:	PLOT DATE:
----	05/01/2017
CHECKED:	C-8
—	
JOB NUMBER:	
1020	

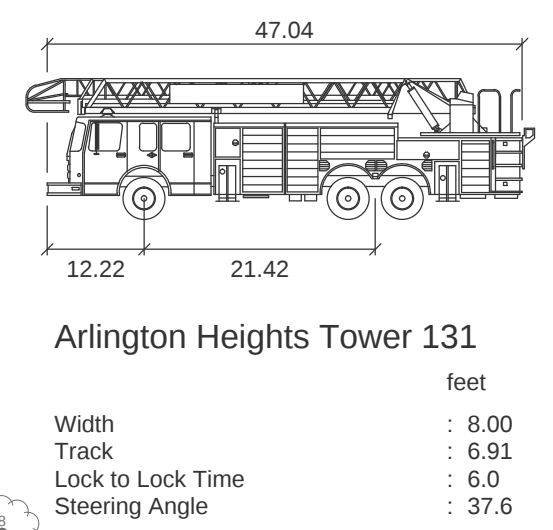


**ERIKSSON
ENGINEERING
ASSOCIATES, LTD.**

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

LEGEND

EXISTING	PROPOSED



New Addition
FFE = 695.91

TALL 1 STORY BRICK & GLASS CHURCH
ST. EDNA CATHOLIC CHURCH

1 STORY BRICK
RESIDENCE

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

NEW ADDITION AND INTERIOR RENOVATIONS TO:
ST. EDNA CATHOLIC CHURCH
2525 N. ARLINGTON HEIGHTS RD. ARLINGTON HEIGHTS, IL 60004

JNKA
ARCHITECTS
JAEGER NICKOLA KUHLMAN
ASSOCIATES, LTD., ARCHITECTS
330 S. NORTHWEST HIGHWAY, SUITE 106, PARK RIDGE, IL
60068
847.692.6166 Fax 847.692.2002

△	PLAN COMMISSION	09.25.17
	PLAN COMMISSION SUBMITAL	08.18.17
	BID SET	05.01.17
	100% DD	03.01.16
	95% DD	02.23.16
	50% DD	02.09.16
NO.	DESCRIPTION	DATE
FIRE TRUCK TURNING MOVEMENT EXHIBIT		
DRAWING: _____		PLLOT DATE: 05/01/2017
CHECKED: _____		
JOB NUMBER: 1020		FT-1



LEGEND

- EXISTING PARKING
- NEW PARKING
- EXISTING BUILDING TO REMAIN
- PROPOSED REMODELING OF EXISTING BUILDING
- PROPOSED PARISH LIFE CENTER
- EXISTING CONCRETE
- NEW CONCRETE

ZONING INFORMATION

ZONING DISTRICT R-1 PLANNED UNIT DEVELOPMENT		
AREA		
EXISTING CHURCH/DOHERTY CENTER/ HURLEY CENTER	41,700 SF	
NEW PARISH CENTER	13,425 SF	
GARAGE	890 SF	
EXIST. SHED	300 SF	
SITE AREA		
REQUIRED	20,000 SF	370,120 SF
LOT WIDTH	100'-0"	500'-0"
SETBACKS		
FRONT	40'-0"	190'-1"
REAR	30'-0"	139'-8"
SIDE (N)	50'-0"	212'-9"
SIDE* (S)	34'-0"	34'-0"
LOT COVERAGE		
REQUIRED	30%	15.2%
F.A.R.	30%	15.2%
HEIGHT	45'-0"	29'-10"
IMPERVIOUS COVERAGE	58%	215,090 SF

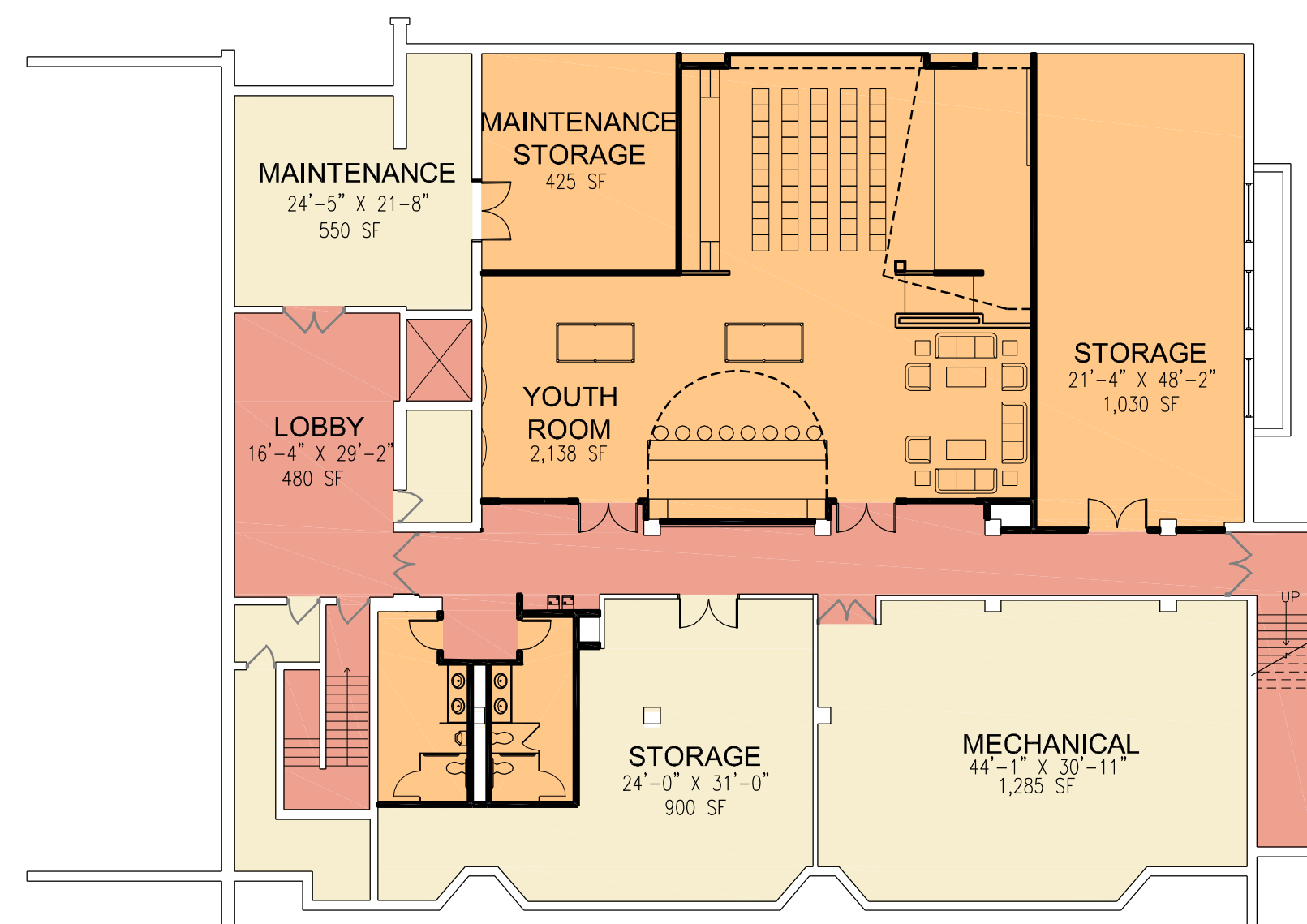
* SIDE SETBACK MODIFIED AS A PART OF ORIGINAL PUD

PARKING INFORMATION

CHURCH	SF	OCC. REQ'D	OCC.	PARKING REQUIREMENT	# OF SPACES REQ'D
NAVE	995			1 SPACE/5 SEATS	199
CHOIR			35	1 SPACE/5 SEATS	7
NARTHEX	130			1 SPACE/5 SEATS	26
COMMUNITY ROOM	990	15 SF/P	66	30% OF OCCUPANCY	20
DOHERTY CENTER					
NURSERY/MULTI-PURPOSE	5835	15 SF/P	389	30% OF OCCUPANCY	117
HURLEY HALL					
EXISTING OFFICE AREA	3750			1 SPACE FOR 300 SF	13
OFFICES	735			1 SPACE FOR 300 SF	3
MEETING ROOMS	2020	15 SF/P	135	30% OF OCCUPANCY	40
YOUTH ROOM	2138	15 SF/P	143	30% OF OCCUPANCY	43
PARISH CENTER					
MULTI-PURPOSE ROOMS (MAIN SPACE)	6540	15 SF/P	436	30% OF OCCUPANCY	131
MULTI-PURPOSE ROOMS (STAGE)	1475	15 SF/P	98	30% OF OCCUPANCY	30
REQUIRED PARKING SPACES					629
PARKING SPACES PROVIDED					377
VARIANCE REQUESTED					252

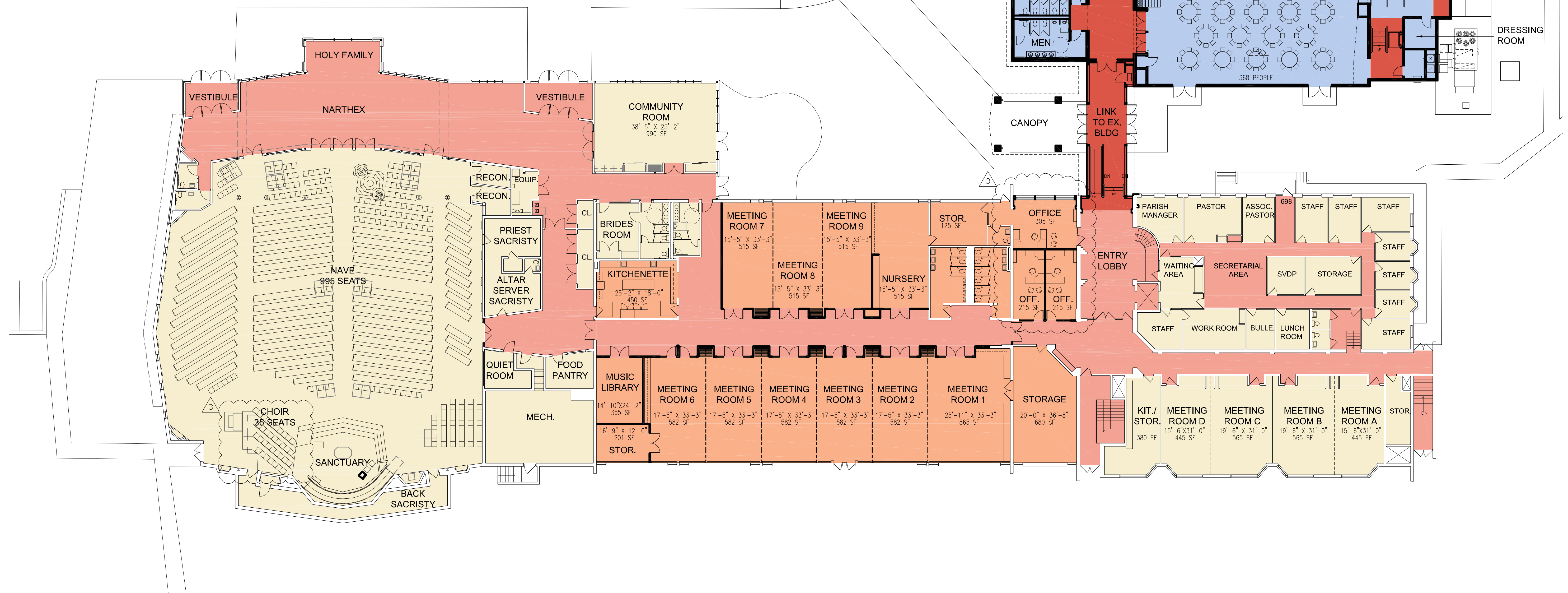
GENERAL NOTES

- THE PROPOSED BUILDING WILL BE CONSTRUCTED IN ACCORDANCE WITH ALL REFERENCED BUILDING CODES IN THE ARLINGTON HEIGHTS MUNICIPAL CODE.
 - 2009 INTERNATIONAL BUILDING CODE WITH AMENDMENTS
 - 2015 INTERNATIONAL ENERGY CODE WITH AMENDMENTS (AS ADOPTED BY THE STATE OF ILLINOIS)
 - 2009 INTERNATIONAL FIRE CODE WITH VILLAGE AMENDMENTS
 - 2009 INTERNATIONAL FUEL GAS CODE WITH VILLAGE AMENDMENTS
 - 2014 ILLINOIS STATE PLUMBING CODE WITH AMENDMENTS
 - NFPA ELECTRICAL CODE WITH AMENDMENTS
 - 1997 ILLINOIS ACCESSIBILITY CODE
- ALL BUILDING AREAS AND PARKING WILL COMPLY WITH ILLINOIS ACCESSIBILITY CODE REQUIREMENTS.
- FIRE SPRINKLERS WILL BE PROVIDED THROUGHOUT THE NEW ADDITION.
- FIRE ALARM NOTIFICATIONS SHALL BE PROVIDED THROUGHOUT THE NEW ADDITION. SEE FIRE ALARM DRAWINGS.
- THE EXISTING GARAGE IS USED FOR THE STORAGE OF OUTSIDE MAINTENANCE EQUIPMENT.



PROPOSED MASTER PLAN LOWER
LEVEL HURLEY CENTER

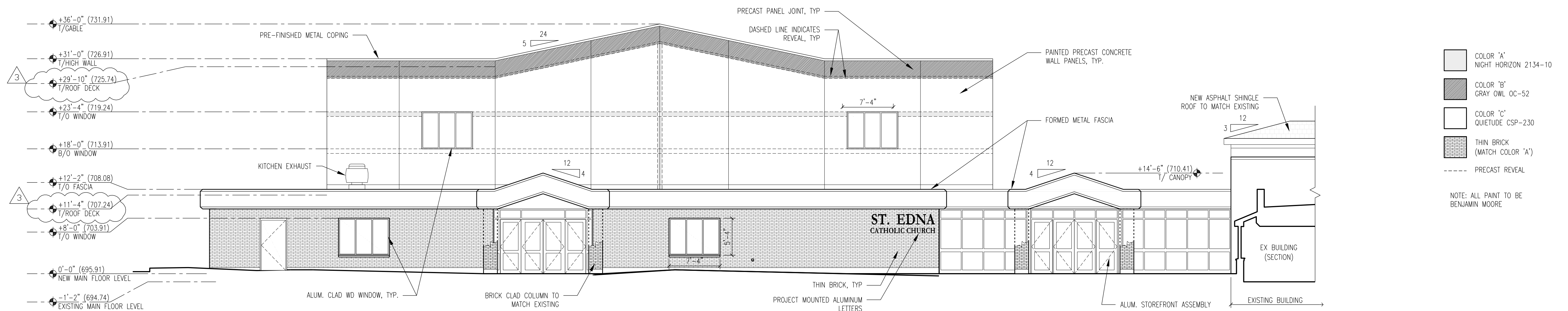
- NEW CONSTRUCTION
- NEW CIRCULATION
- REMODELED SPACE
- EXISTING TO REMAIN
- EXISTING CIRCULATION



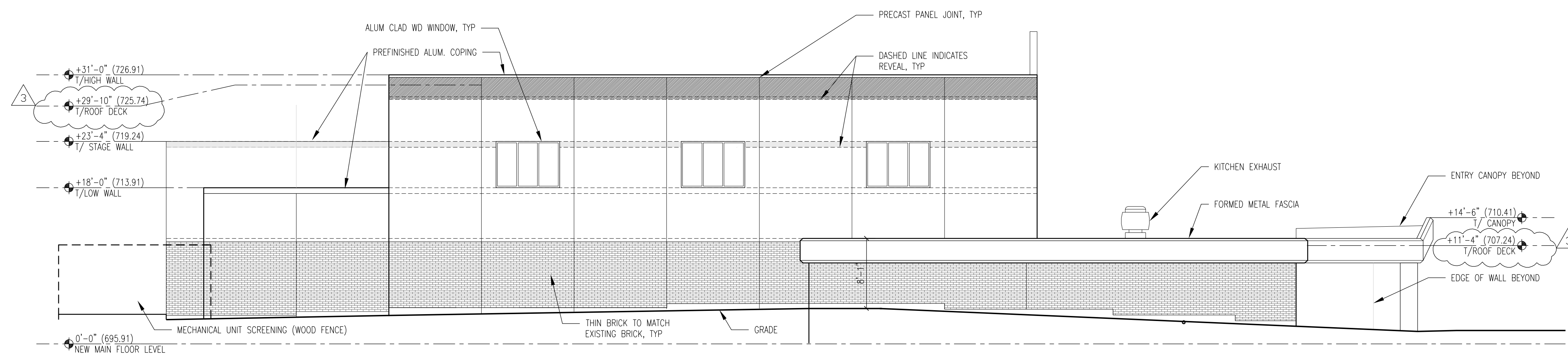
PROPOSED FLOOR PLAN



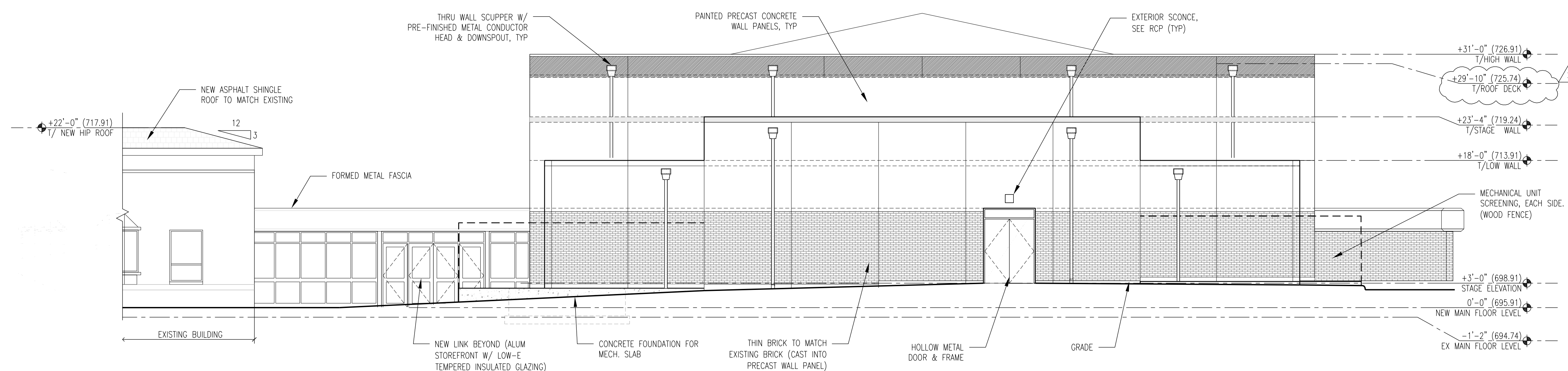




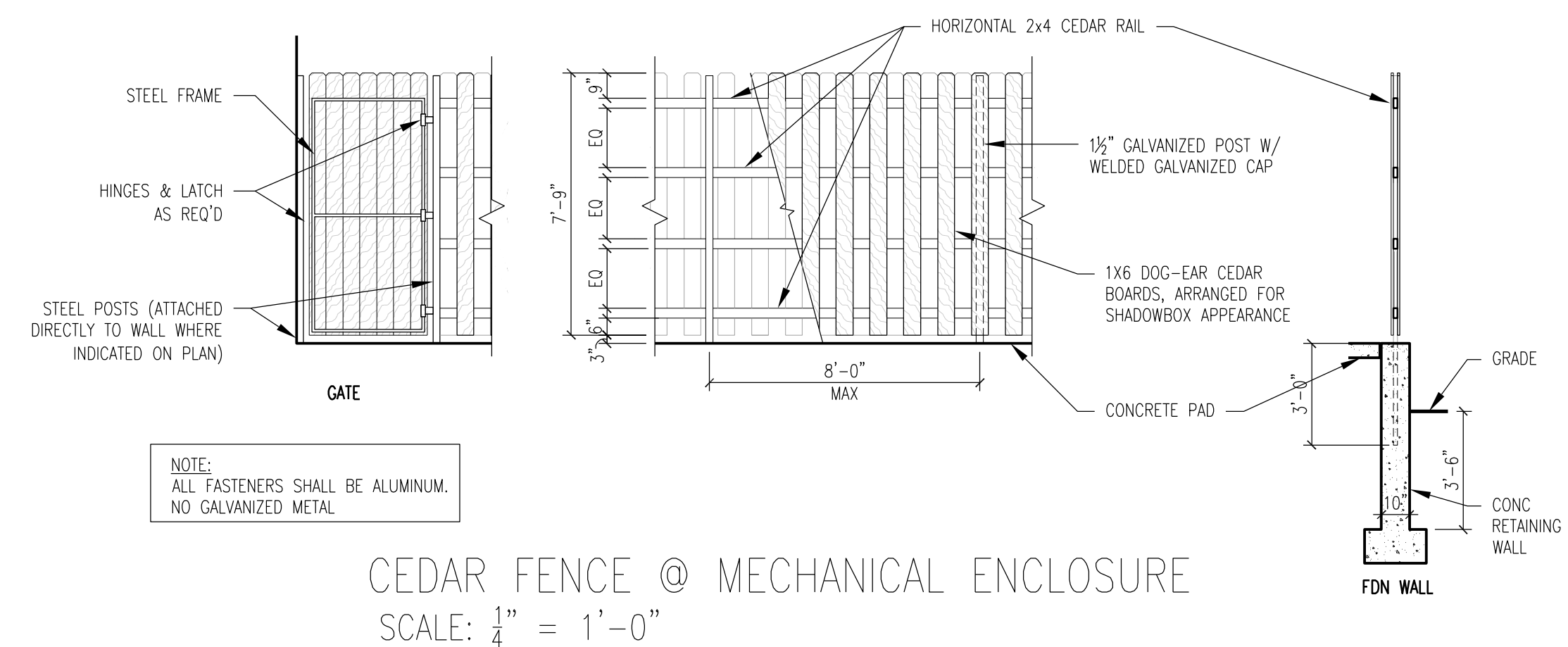
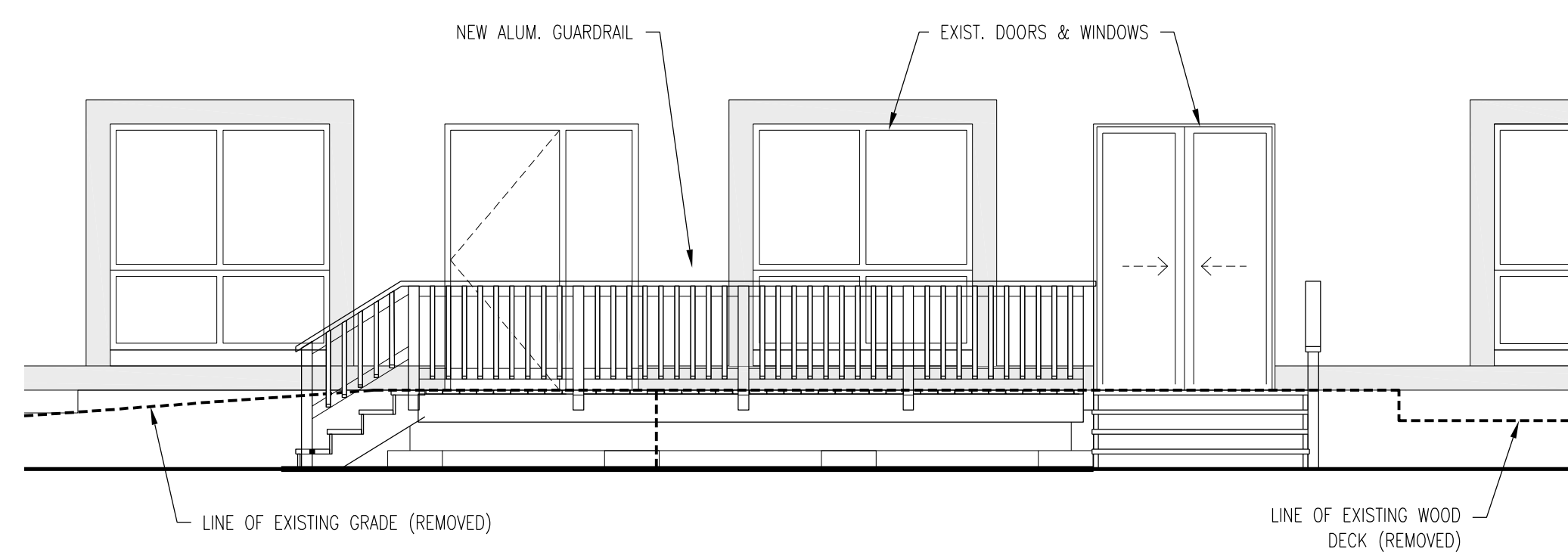
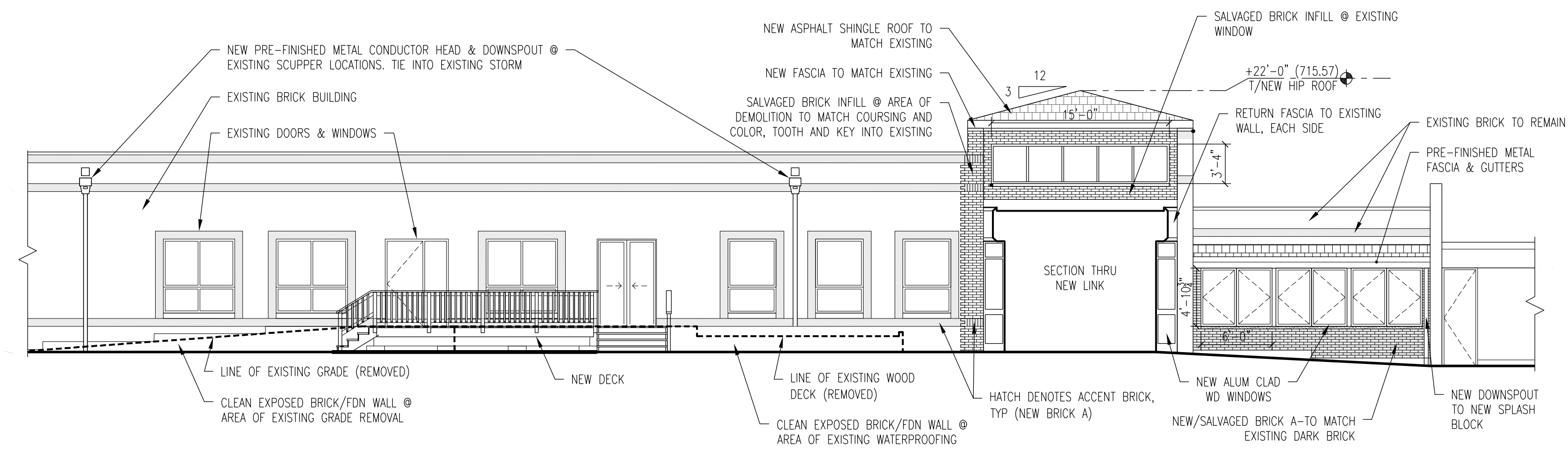
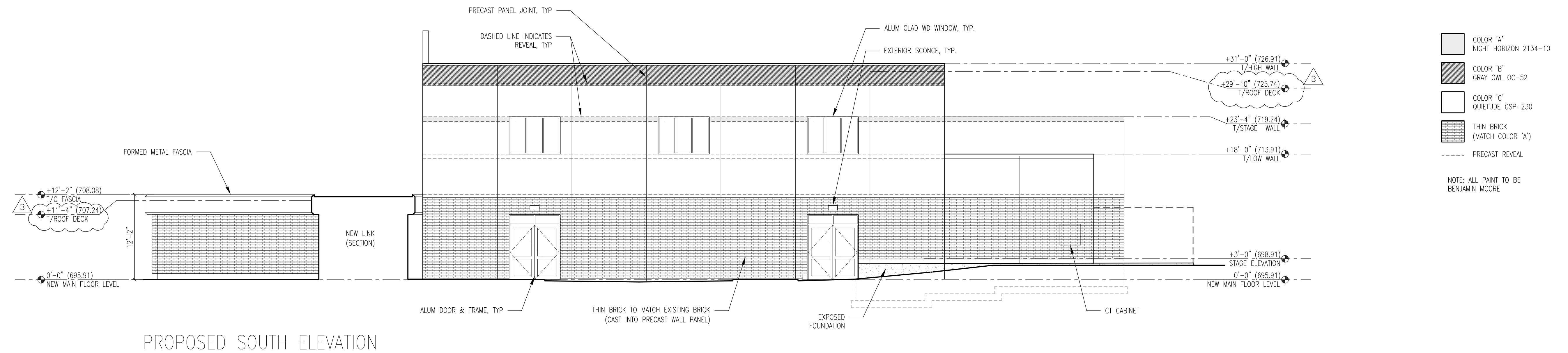
PROPOSED WEST ELEVATION



PROPOSED NORTH ELEVATION



PROPOSED EAST ELEVATION







PROPOSED NORTHWEST PERSPECTIVE



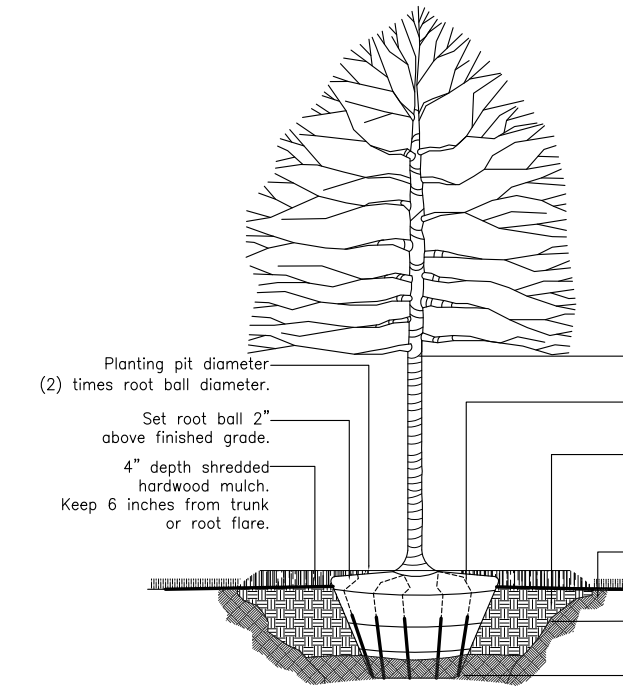
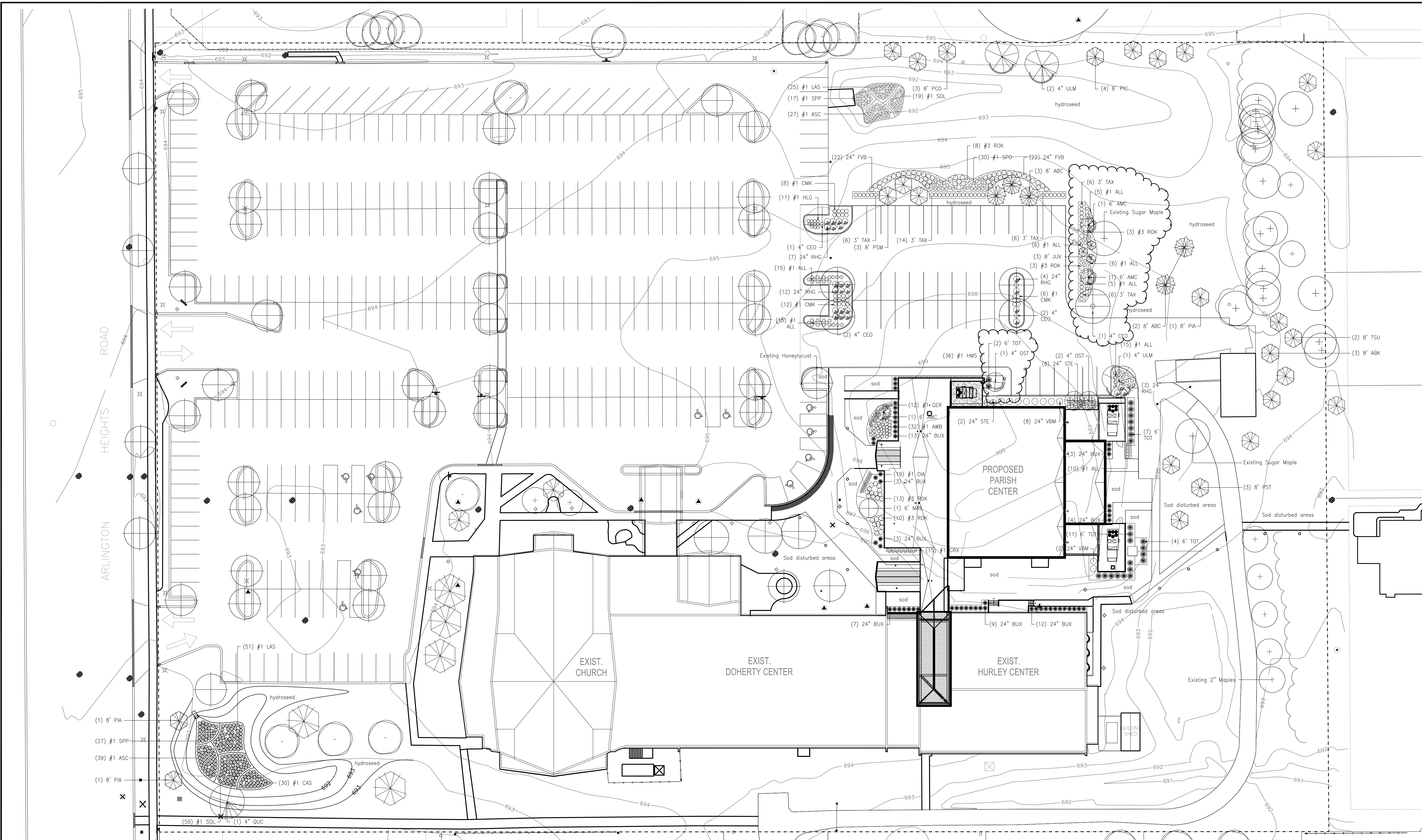
PROPOSED WEST PERSPECTIVE



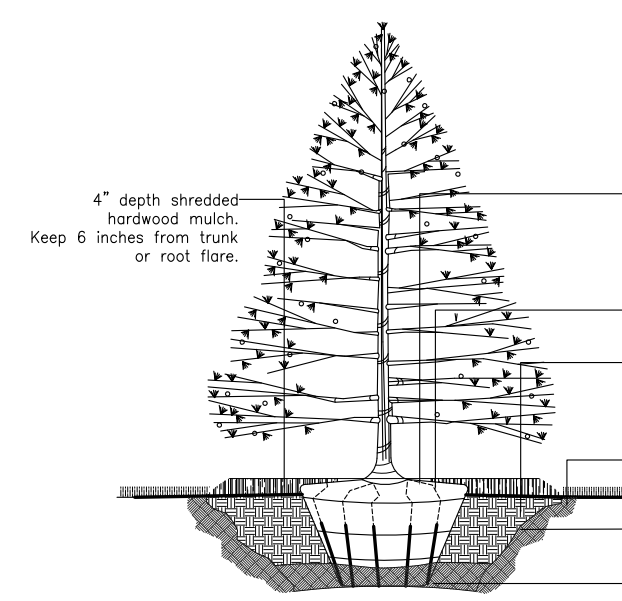
PROPOSED NORTHEAST PERSPECTIVE



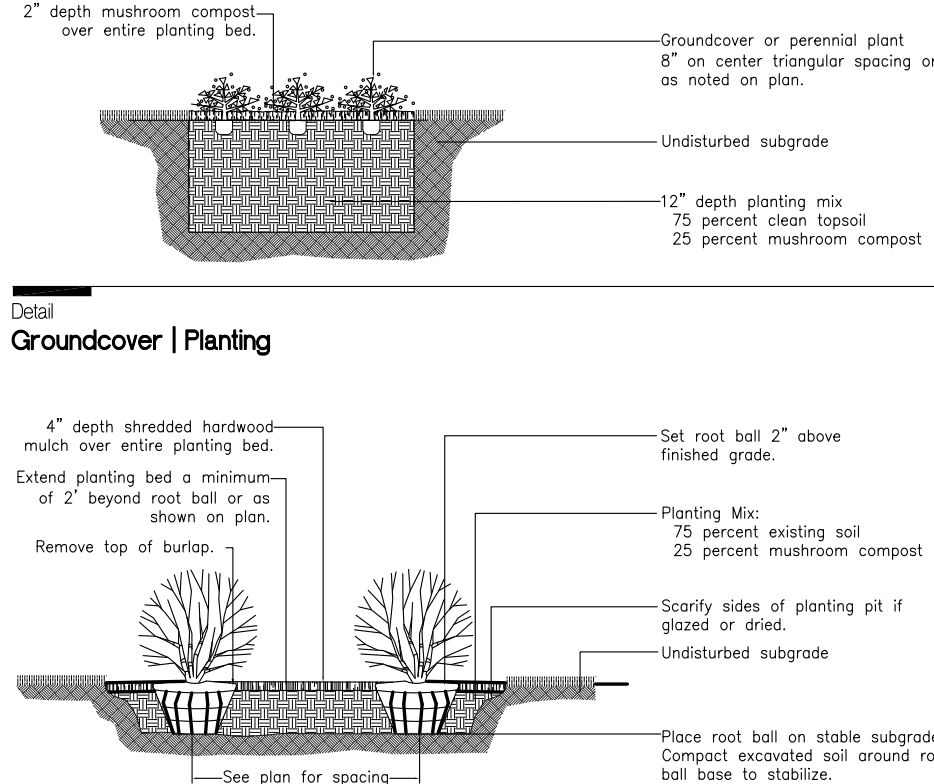
PROPOSED SOUTHEAST PERSPECTIVE



Detail
Deciduous Tree Planting



Detail
Evergreen Tree Planting



Detail
Shrub Planting

Plant List

Shade Trees						Shrubs					
Key	Qty.	Size	Botanical Name	Common Name	Remarks	Key	Qty.	Size	Botanical Name	Common Name	Remarks
CEO	6	4"	Celtis occidentalis "Prairie Pride"	Prairie Pride Common Hackberry	BB	BUX	54	24"	Buxus "Glenside"	Chickadee Green Boxwood	BB
OST	3	4"	Diospyros virginiana	Red Bay	BB	PVB	44	24"	Pyracantha "Red Brakes"	Red Brakes	BB
QUC	1	4"	Quercus rubra	Red Oak	BB	RHG	26	24"	Rhus aromatica "Gro-Low"	Gro-Low Fragrant Sumac	BB
ULM	3	4"	Ulmus x "Regal"	Regal Elm	BB	ROK	37	24"	Rosa "Ribbon"	Pink Knockout Rose	Container
Evergreen Trees						STE	10	24"	Stephanandra incisa "Crispa"	Cut-Lined Stephanandra	BB
Key	Qty.	Size	Botanical Name	Common Name	Remarks	TAX <td>32</td> <td>24"</td> <td>Taxus media "Nictae"</td> <td>Hicks Yew</td> <td>BB</td>	32	24"	Taxus media "Nictae"	Hicks Yew	BB
ABC	15	8"	Abies concolor	Concolor Fir	BB	TOT	24	6"	Thuja occidentalis "Techny"	Missian Arborvitae	BB
ABK	15	8"	Abies koreana "Horstmanns Silberbock"	Korean Fir	BB	VBM	10	24"	Viburnum dentatum "Christm"	Blue Mufin Viburnum	BB
JUV	15	8"	Juniperus chinensis "Fairview"	Fairview Juniper	BB	Perennials, Ornamental Grass and Groundcovers					
RSD	15	8"	Rosa glauca "Dorset"	Black Hills Spirea	BB	Key	Qty.	Size	Botanical Name	Common Name	Remarks
PIC	15	8"	Picea canadensis	White Pine	BB	ALL	55	1"	Allium "Summer Beauty"	Summer Beauty Allium	Container
PC	15	8"	Picea canadensis	White Pine	BB	ASC	66	1"	Asclepias tuberosa	Butterflyweed	Container
PSM	15	8"	Pinus strobus	Scots Pine	BB	AWB	32	1"	Aster dumosus "Wood's Blue"	Wood's Blue Aster	Container
RST	15	8"	Rosa rugosa	Rugosa Rose	BB	CAS	37	1"	Coreopsis "Tidal Wave"	Common Fox Sedge	Container
TSU	2	8"	Tsuga canadensis	Canadian Hemlock	BB	CMK	26	1"	Colomatris scutellaria "Karl Foerster"	Feather Reed Grass	Container
Ornamental Trees						CRX	15	1"	Cornus "Elegans"	Evergreen Sedge	Container
Key	Qty.	Size	Botanical Name	Common Name	Remarks	DIA	19	1"	Dianthus gratiopolitanus "Firewitch"	Firewitch Cheddar Pinks	Container
MAS	3	8"	Amelanchier canadensis	Shadblow Serviceberry	BB-Dump	GIR	12	1"	Geranium "Jolly Day"	Jolly Day Geranium	Container
MAG	1	8"	Magnolia stellata "Royal Star"	Royal Star Magnolia	BB-Dump	HLC	11	1"	Hemerocallis "Little Grapette"	Little Grapette Daylily	Container
						HMS	36	1"	Hemerocallis "Miss Grettel"	Miss Grettel Daylily	Container
						LDR	76	1"	Liatris spicata	Router Broomheath	Container
						SD	78	1"	Solidago rigida	Rigid Obedient	Container
						SPO	30	1"	Sporobolus heterophyllus	Pine Prairie Dropseed	Container
						SPD	44	1"	Spartina pectinata	Pine Lardgrass	Container

LANDSCAPE PLAN
1"=30'

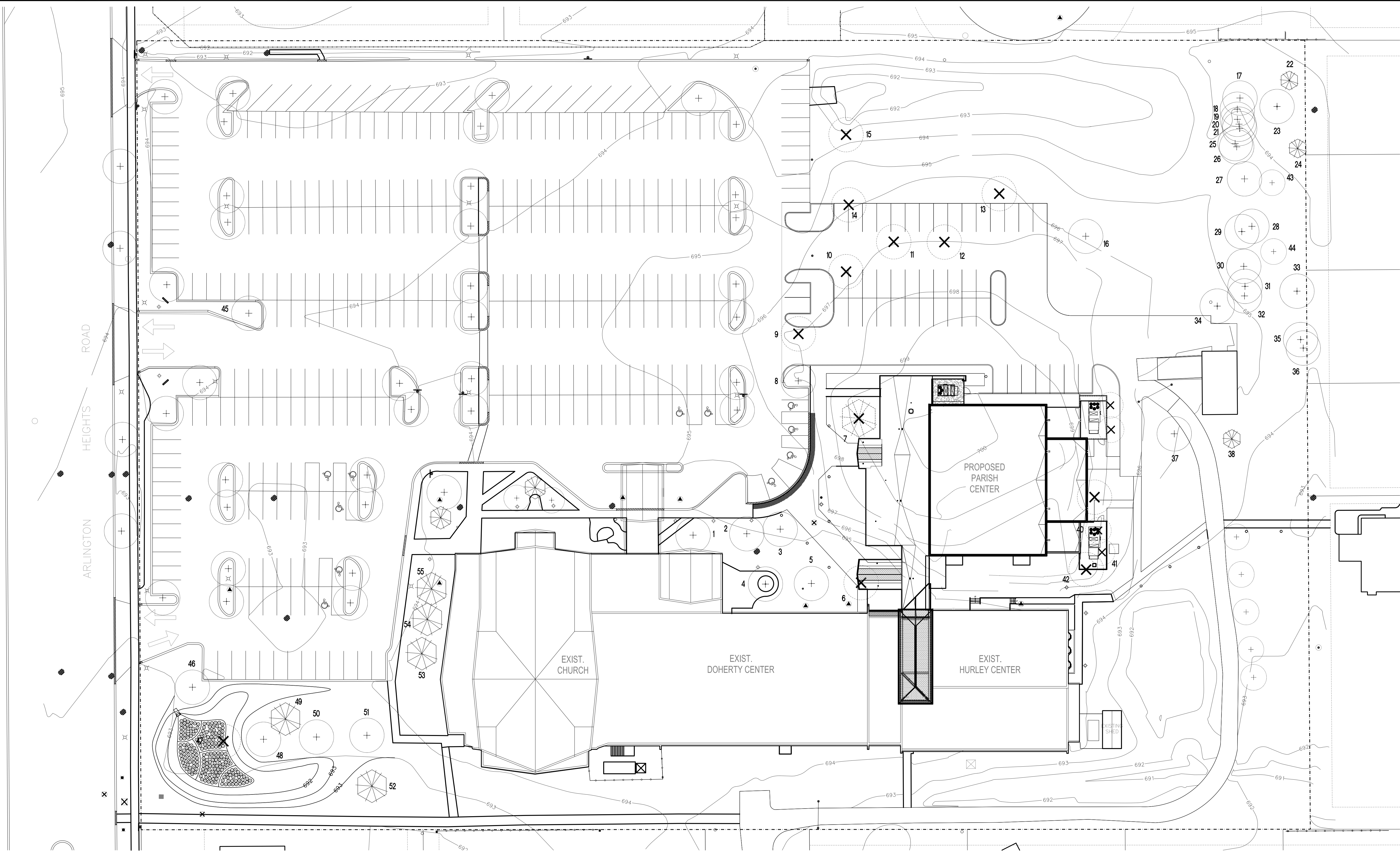
NEW ADDITION AND INTERIOR RENOVATIONS TO:
ST. EDNA CATHOLIC CHURCH
2525 N. ARLINGTON HEIGHTS RD. ARLINGTON HEIGHTS, IL 60004

JNKA
ARCHITECTS
JAEGER, NICKOLA, KUHLMAN
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350 S. NORTHWEST HIGHWAY, SUITE 106, PARK RIDGE, IL
60068
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McCALLUM
ASSOCIATES
DAVID R. McCALLUM ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
350 N. Meade Avenue Libertyville, IL 60068
T 847.932.0019 F 847.932.0241

VILLAGE REVIEW COMMENTS	09.25.17
PLAN COMMISSION SUBMITTAL	08.18.17
ADDENDUM #2	05.12.17
ADDENDUM #1	05.10.17
80% SET	05.01.17
100% DD	03.01.16
95% DD	02.23.16
50% DD	02.09.16

NO.	DESCRIPTION	DATE
LANDSCAPE PLAN		
DRAWN	DRM	PLOT DATE: 6/23/2017
CHECKED:	DRM	
JOB NUMBER:	1722	L1.0



Existing Tree Inventory

TAG	SIZE	BOTANICAL NAME	COMMON NAME	FORM/CONDITION	ACTION	TAG	SIZE	BOTANICAL NAME	COMMON NAME	FORM/CONDITION	ACTION
1	8"	Fraxinus pennsylvanica	Green Ash	3/3	To remain	29	8"/16"	Acer negundo	Boxelder	4/4	To remain
2	9"	Fraxinus pennsylvanica	Green Ash	3/3	To remain	30	12"	Acer negundo	Boxelder	4/4	To remain
3	9"	Fraxinus pennsylvanica	Green Ash	3/3	To remain	31	22"	Acer negundo	Boxelder	4/4	To remain
4	17"	Gleditsia triacanthos	Honeylocust	2/2	To remain	32	11"/11"	Acer negundo	Boxelder	4/4	To remain
5	16"	Gleditsia triacanthos	Honeylocust	2/2	To remain	33	14"	Acer negundo	Boxelder	4/4	To remain
6	18"	Gleditsia triacanthos	Honeylocust	2/2	Remove	34	18"	Fraxinus pennsylvanica	Green Ash	4/4	To remain
7	28"	Picea abies	Norway Spruce	2/2	Remove	35	8"/8"/10"/11"	Acer saccharinum	Silver Maple	3/3	To remain
8	8"	Gleditsia triacanthos	Honeylocust	2/2	To remain	36	26"	Populus deltoides	Cottonwood	3/3	To remain
9	8"	Gleditsia triacanthos	Honeylocust	2/2	Remove	37	14"	Acer saccharum	Sugar Maple	3/4	To remain
10	8"	Fraxinus pennsylvanica	Green Ash	3/3	Remove	38	4"/5"/8"	Pinus strobus	White Pine	4/3	To remain
11	22"	Acer saccharinum	Silver Maple	3/4	Remove	39	19"	Fraxinus pennsylvanica	Green Ash	3/4	To remain
12	22"	Acer saccharinum	Silver Maple	3/3	Remove	40	6"/6"/14"	Betula nigra	River Birch	2/2	Remove
13	40"	Fraxinus pennsylvanica	Green Ash	3/3	Remove	41	5"/9"	Acer platanoides 'Crimson King'	Crimson King Norway Maple	2/2	Remove
14	10"	Fraxinus pennsylvanica	Green Ash	3/3	Remove	42	17"	Betula nigra	River Birch	2/2	To remain
15	8"	Fraxinus pennsylvanica	Green Ash	3/3	Remove	43	16"	Betula nigra	River Birch	2/2	To remain
16	10"	Acer saccharum	Silver Maple	2/2	To remain	44	4"/4"/4"/4"	Betula nigra	River Birch	2/2	To remain
17	17"	Acer negundo	Boxelder	4/4	To remain	45	7"	Gleditsia triacanthos	Honeylocust	2/2	To remain
18	8"	Acer negundo	Boxelder	4/4	To remain	46	10"	Gleditsia triacanthos	Honeylocust	2/2	To remain
19	8"	Acer negundo	Boxelder	4/4	To remain	47	10"	Gleditsia triacanthos	Honeylocust	2/2	To remain
20	10"/10"	Acer negundo	Boxelder	4/4	To remain	48	10"	Fraxinus pennsylvanica	Green Ash	3/3	Remove
21	6"	Acer negundo	Boxelder	4/4	To remain	49	12"	Picea pungens 'Glaucia'	Blue Spruce	3/3	To remain
22	8"	Picea pungens var. glauca	Colorado Blue Spruce	2/2	To remain	50	10"	Fraxinus pennsylvanica	Green Ash	3/3	To remain
23	29"	Populus deltoides	Cottonwood	4/3	To remain	51	9"	Fraxinus pennsylvanica	Green Ash	4/4	To remain
24	10"	Picea pungens var. glauca	Colorado Blue Spruce	3/3	To remain	52	21"	Picea pungens 'Glaucia'	Blue Spruce	2/2	To remain
25	10"	Acer negundo	Boxelder	4/4	To remain	53	8"	Pinus nigra	Austrian Pine	2/2	To remain
26	10"/15"	Acer negundo	Boxelder	4/4	To remain	54	7"	Pinus nigra	Austrian Pine	2/2	To remain
27	16"	Acer negundo	Boxelder	4/4	To remain	55	9"	Pinus nigra	Austrian Pine	2/2	To remain
28	10"/10"	Acer negundo	Boxelder	4/4	To remain						

Condition Rating Scale

RATING	DESCRIPTION	GENERAL CRITERIA
1	Excellent	The tree has no apparent defects. This category is typically reserved for larger mature trees in excellent condition.
2	Very Good	Contains little or no deadwood, has few defects and appears healthy.
3	Average	The tree may contain some deadwood or other manageable defects.
4	Poor	The tree possesses numerous major defects. Maintenance and monitoring of the tree is needed.
5	Very Poor	75 percent or more of the tree is dead. Most trees in this condition should be removed.

Tree Removal and Replacement Calculations

Qty.	Caliper (DBH)	Required Replacement Trees	Provided Replacement Trees
0	3"-7"	0	
3	8"-12"	4 (excludes 3 ash trees)	
2	13"-19"	9 (excludes 1 ash tree)	
0	20"-25"	2	
1	26"-29"	1 (clump form)	
0	30"-35"	0	
1	36"+	8	
7	(includes 2 ash trees)		
7	(excludes 2 ash trees)	24 (excludes 2 ash trees)	28 (excludes parking lot and foundation trees)

NOTE: Ash trees designated for removal are included in the quantity of trees to be removed but not included in required replacement tree calculations.

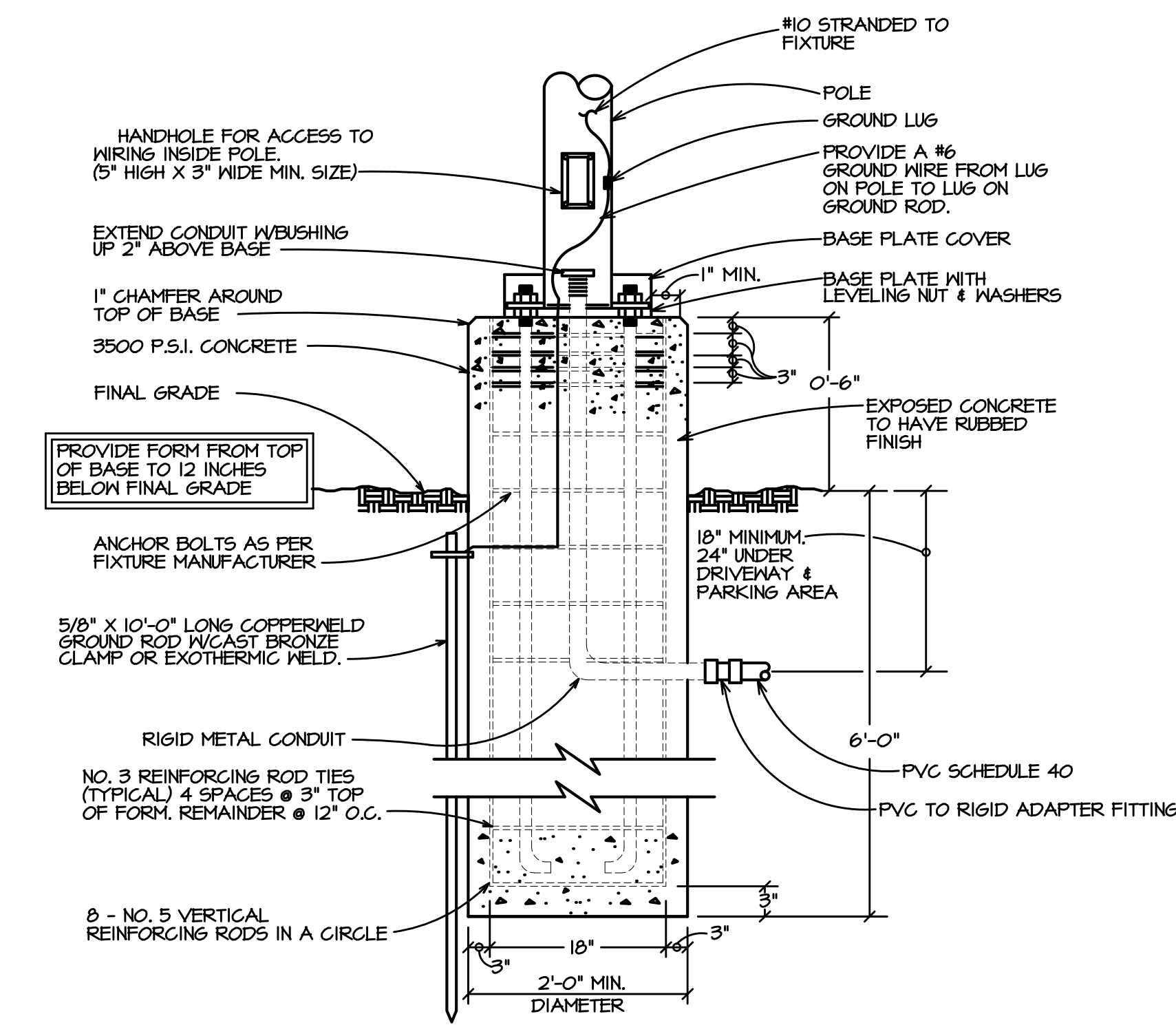
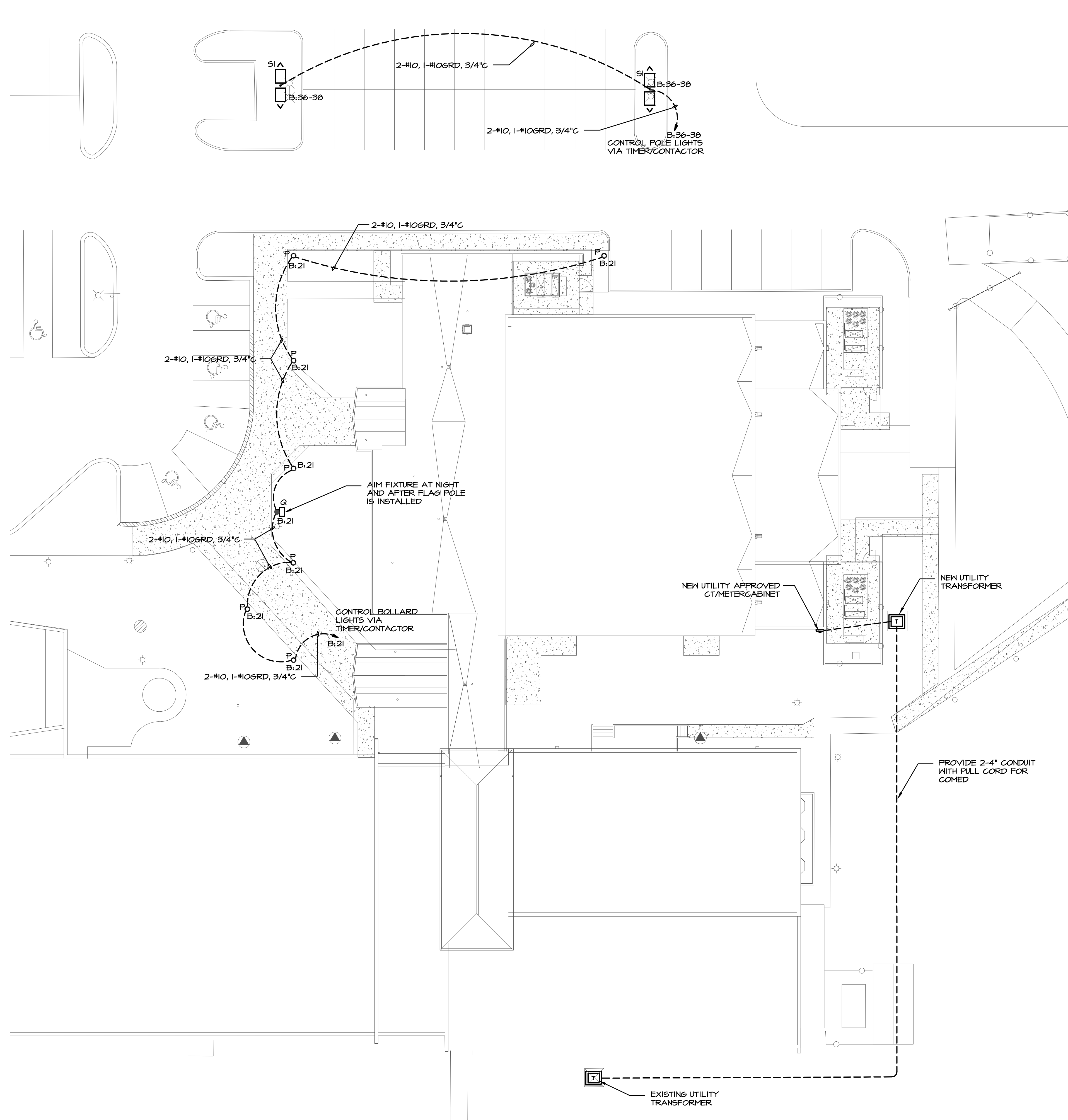
TREE INVENTORY PLAN
1"=30'

NEW ADDITION AND INTERIOR RENOVATIONS TO:
ST. EDNA CATHOLIC CHURCH
2525 N. ARLINGTON HEIGHTS RD. ARLINGTON HEIGHTS, IL 60004

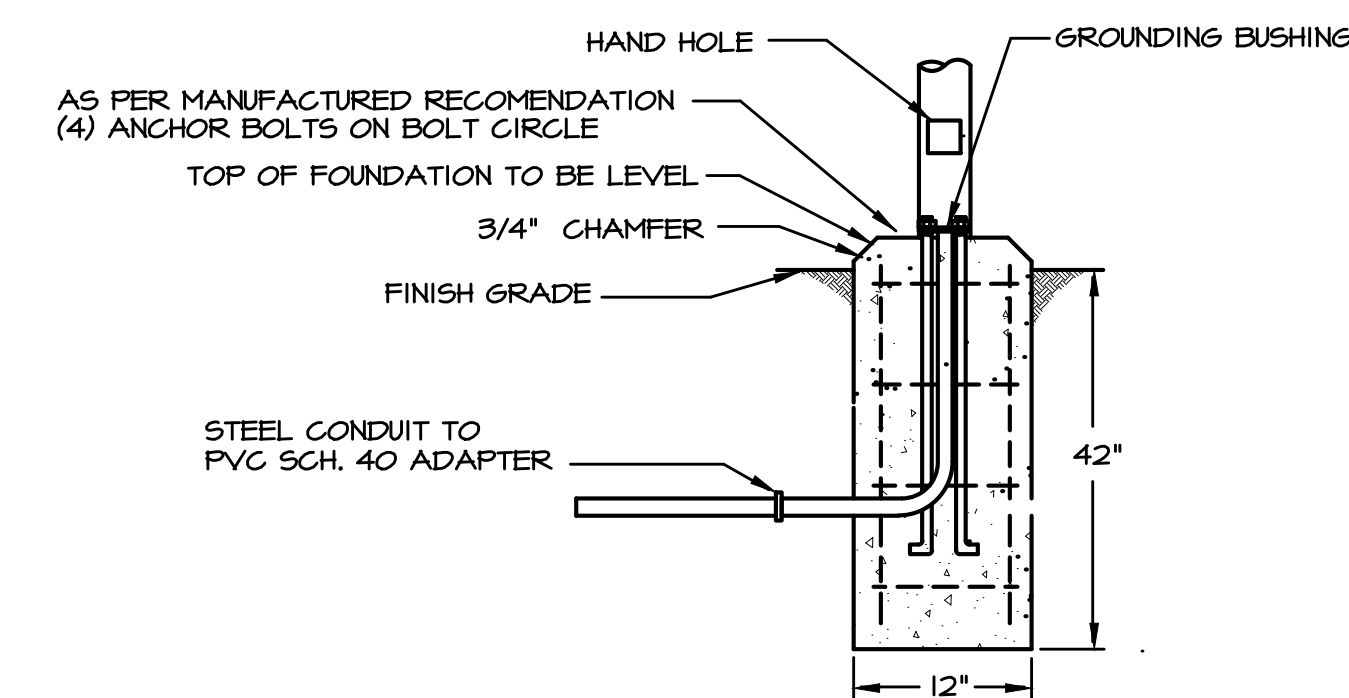


DAVID R. McCALLUM ASSOCIATES, INC.
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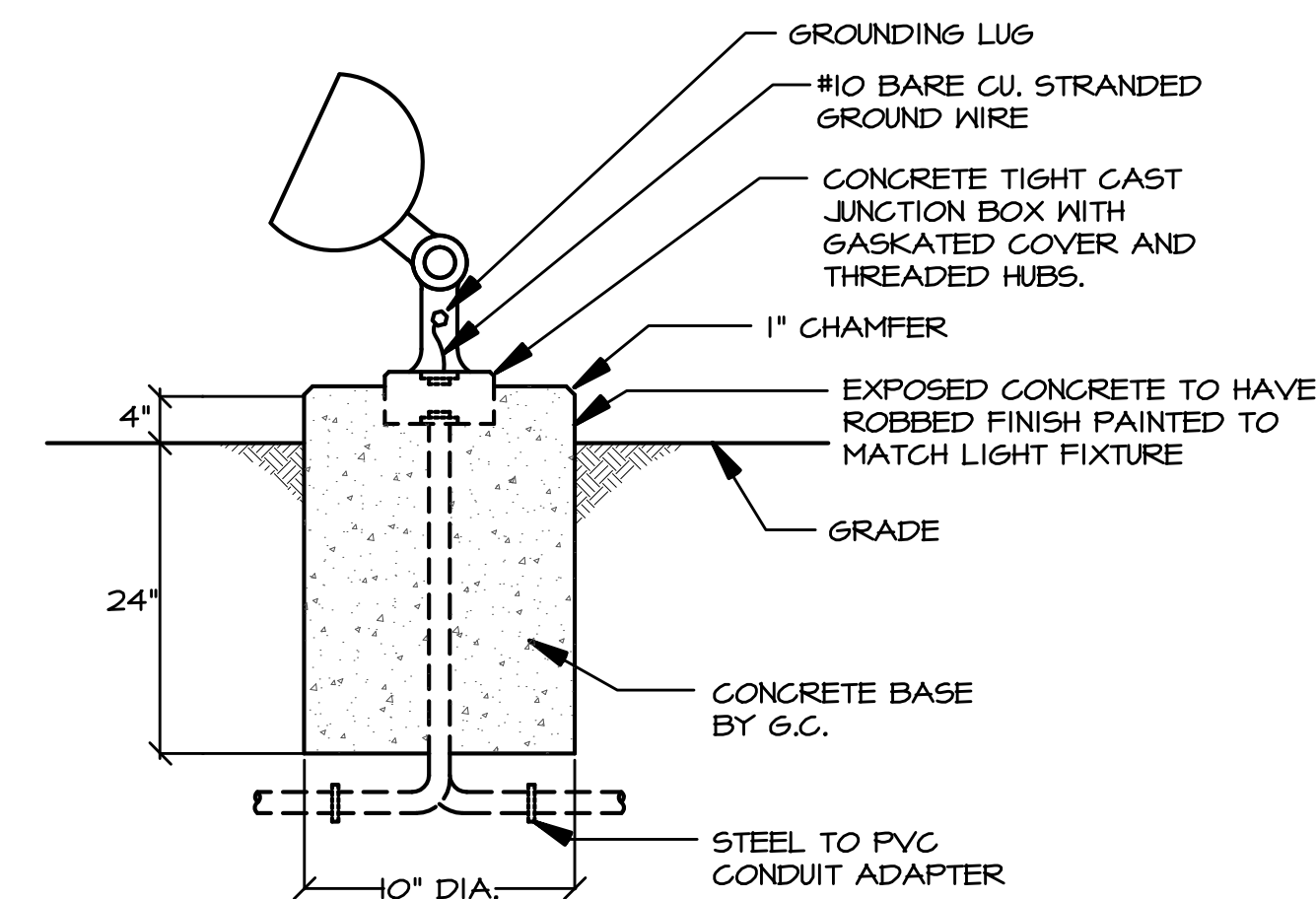
	VILLAGE REVIEW COMMENTS	09.25.17
	PLAN COMMISSION SUBMITTAL	08.18.17
	ADDENDUM #2	05.12.17
	ADDENDUM #1	05.10.17
	80% SET	05.01.17
	100% DD	03.01.16
	95% DD	02.23.16
	50% DD	02.09.16
NO.	DESCRIPTION	DATE
TREE INVENTORY		
DRAWN:	DRM	PLOT DATE: 6/23/2017
CHECKED:	DRM	
JOB NUMBER:	1722	L2.0



1 **DETAIL - CONCRETE POLE BASE**
SCALE: _____ NONE



DETAIL - BOLLARD BASE
NOT TO SCALE



DETAIL - GROUND MOUNTED FLOOD LIGHT
NOT TO SCALE

1 **ELECTRICAL SITE PLAN**
SCALE: 1/16" = 1'-0"



W-T
W-T MECHANICAL/ELECTRICAL ENGINEERING, LLC.
MECHANICAL AND ELECTRICAL ENGINEERS
3875 Pratum Avenue
Hoffman Estates, Illinois 60192
PH: (224) 293-6333 FAX: (224) 293-6444
www.wtengineering.com
IL License No.: 184.004512 Exp: 04/30/16

NEW ADDITION AND INTERIOR RENOVATIONS TO:
ST. EDNA CATHOLIC CHURCH
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JNKA
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60068
847.692.6166 Fax 847.692.2002
www.jnka-architects.com



ADDENDUM #1	05.02.17
BID SET	05.01.17
100% DD	12.13.16
95% DD	02.23.16
50% DD	02.09.16

NO.	DESCRIPTION	DATE
SITE PLAN		
DRAWN:	AT, BC, KM	PLUT DATE: 05/01/2017
CHECKED:	STT	
JOB NUMBER:	M16025	ES1.1

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1. PROVIDE ALL ALARM DEVICES, NOTIFICATION DEVICES, PANELS, ETC. REQUIRED BY LOCAL CODES. PROVIDE NETWORK/TERMINATION PANELS AS REQUIRED.
2. PROVIDE COMPLETE FIRE ALARM PERMIT AND CONSTRUCTION DOCUMENTS. SUBMIT DOCUMENTS TO PERMITTING AUTHORITY AND RE-SUBMIT BASED ON COMMENTS. OBTAIN AGENCY APPROVAL PRIOR TO INSTALLATION.
3. PROVIDE HORN/STROBE DEVICES AS REQUIRED BY LOCAL FIRE OFFICIALS AND WIRE TO FIRE ALARM CONTROL PANEL. DEVICE LAYOUT IS REPRESENTATIVE ONLY. PROVIDE ACTUAL QUANTITY OF DEVICES PER IFC AND PER LOCAL AUTHORITY HAVING JURISDICTION REQUIREMENTS.
4. PROVIDE BATTERY AND VOLTAGE DROP CALCULATIONS.

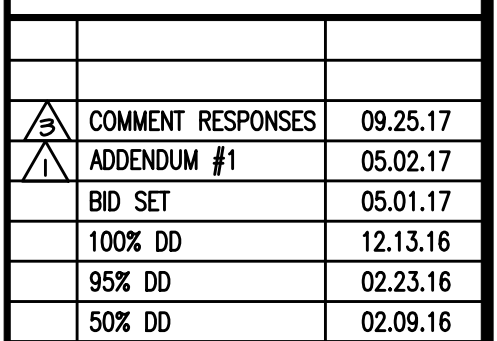


JNK
ARCHITECTS

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www.wtengineering.com

IL License No.:184.004512 Exp: 04/30/16



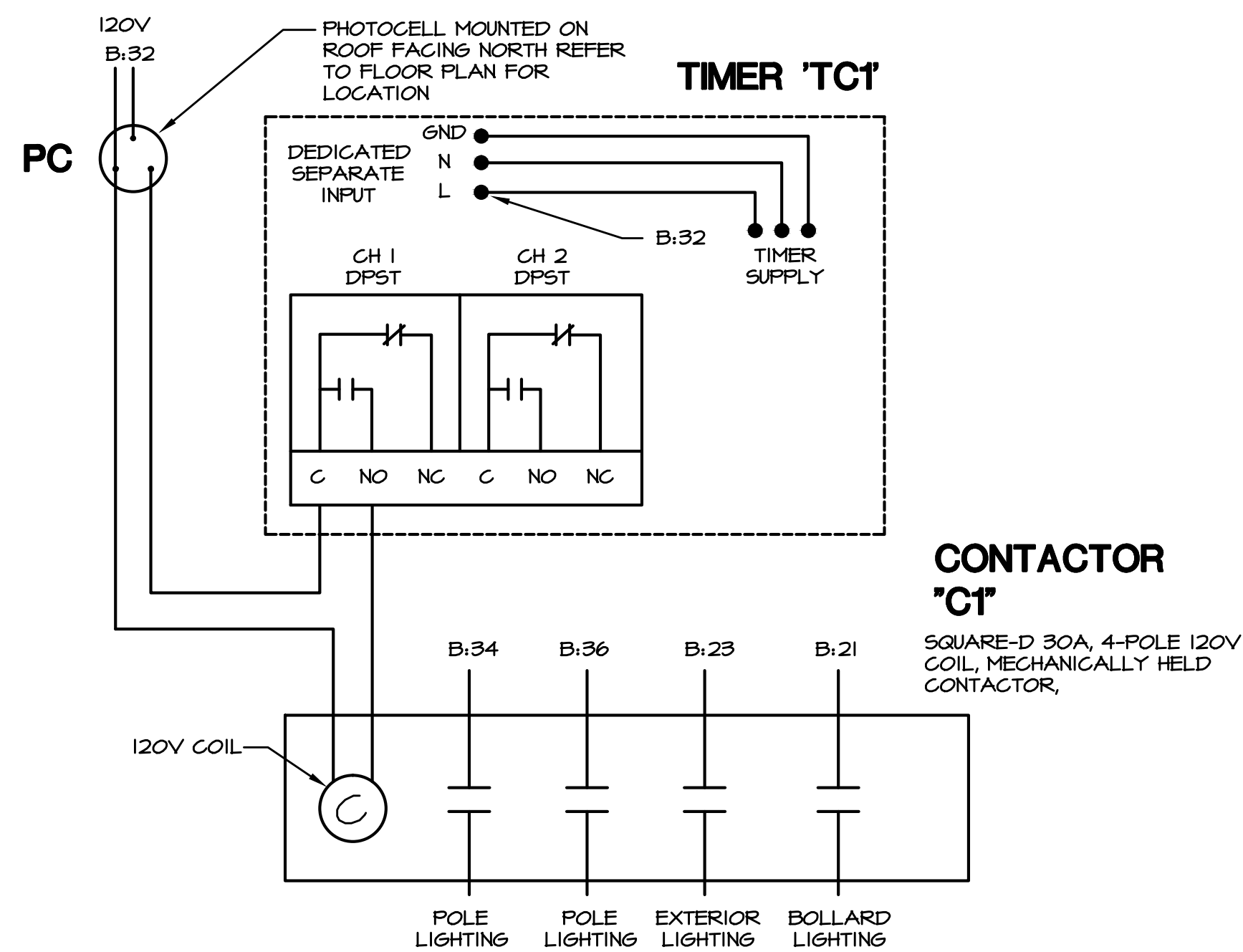


DIAGRAM - CONTACTOR & TIMER
NOT TO SCALE

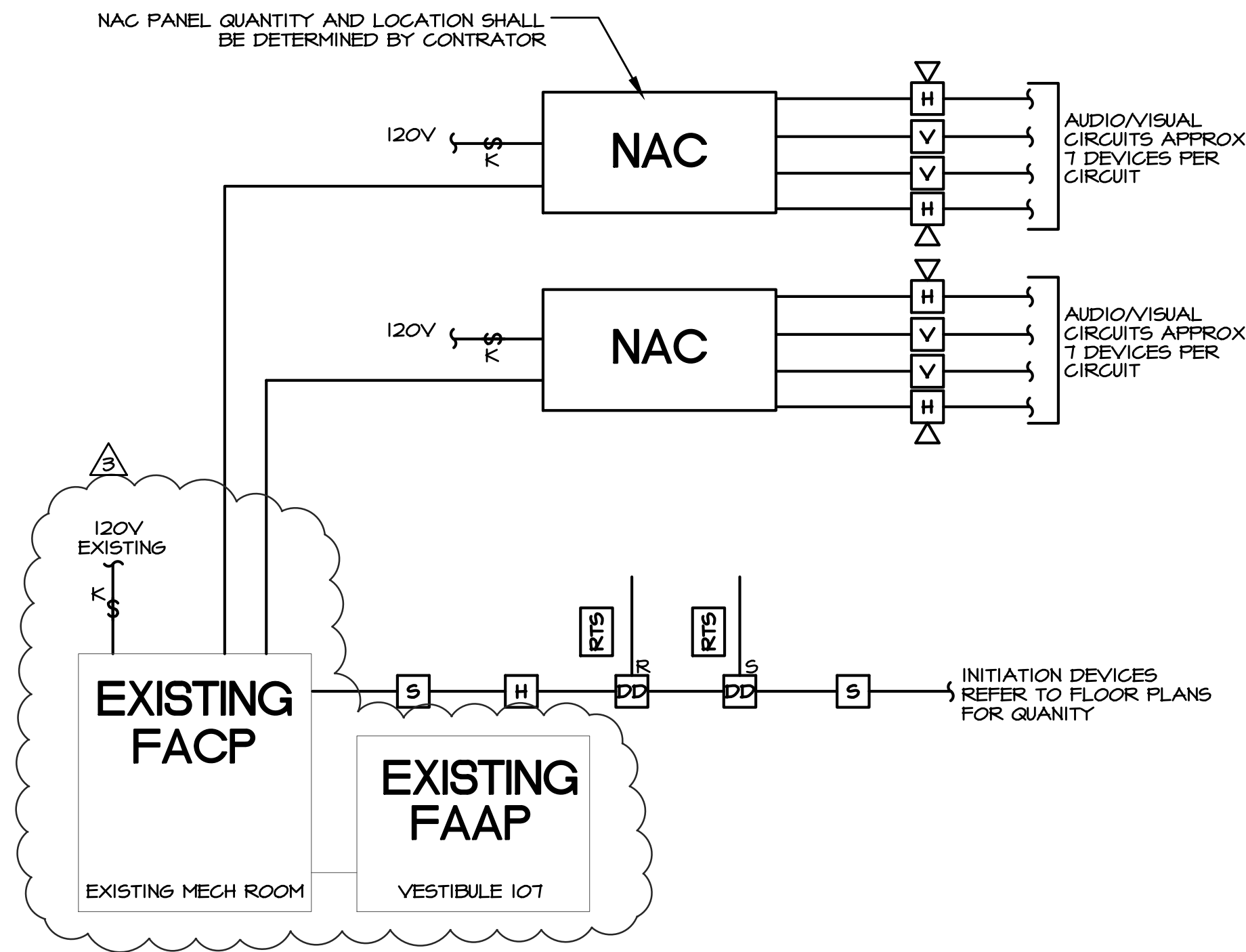
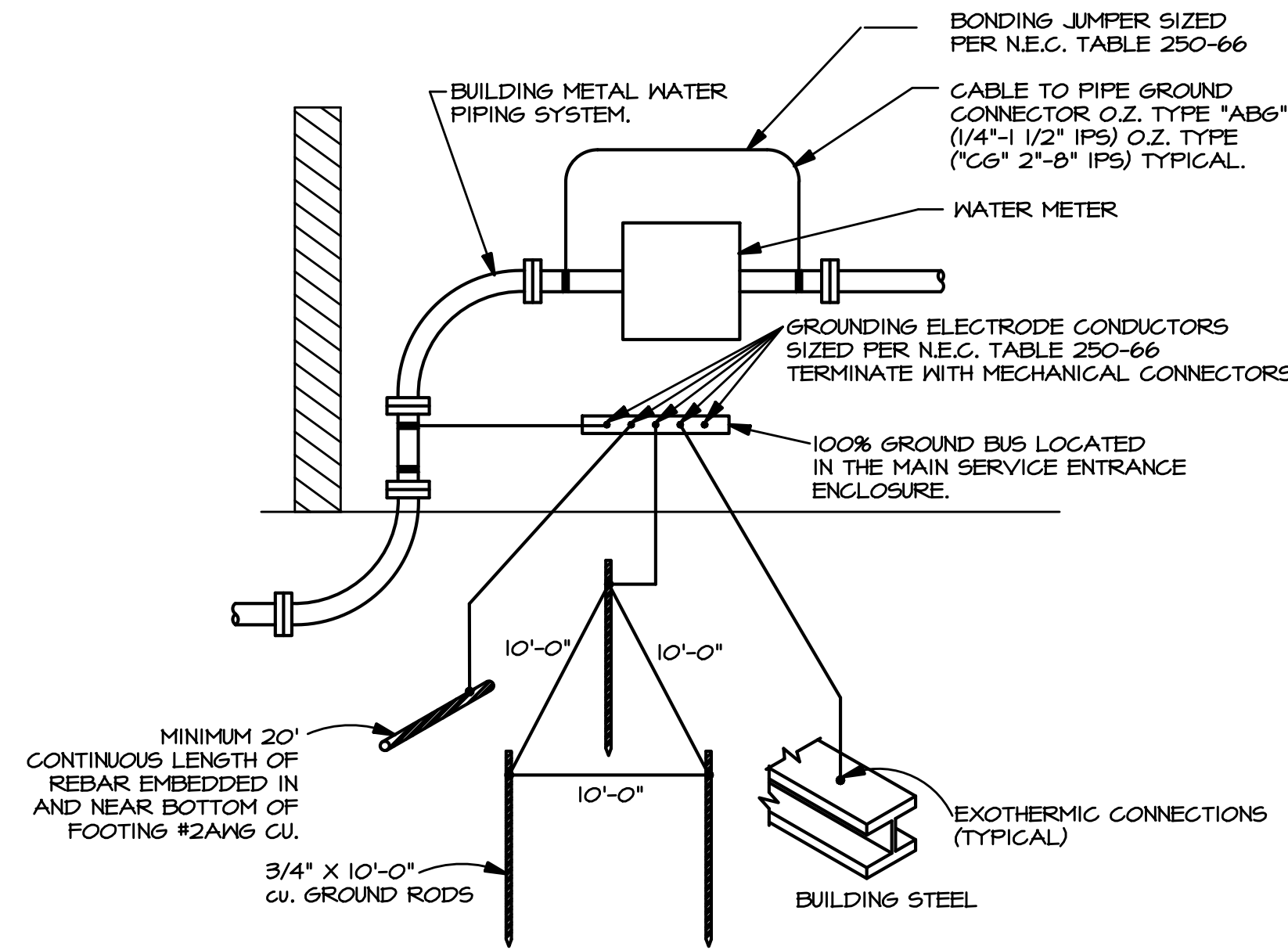


DIAGRAM - FIRE ALARM RISER
NOT TO SCALE

NOTE: RISER IS DIAGRAMMATIC IN NATURE, CONTRACTOR IS RESPONSIBLE FOR FINAL LAYOUT AND RISER SUBMITTED IN SHOP DRAWINGS.



DETAIL - GROUNDING ELECTRODE SYSTEM
NO SCALE

WIRING SCHEDULE	
TAG	CONDUIT/CONDUCTORS
1	2 SETS OF 4-#600KCMIL, 4°C
2	2 SETS OF 4-#600KCMIL, 1-#1/0GRD, 4°C
3	4-#4/O, 1-#2GRD, 2 1/2°C
4	4-#3, 1-#0GRD, 1 1/4°C
5	

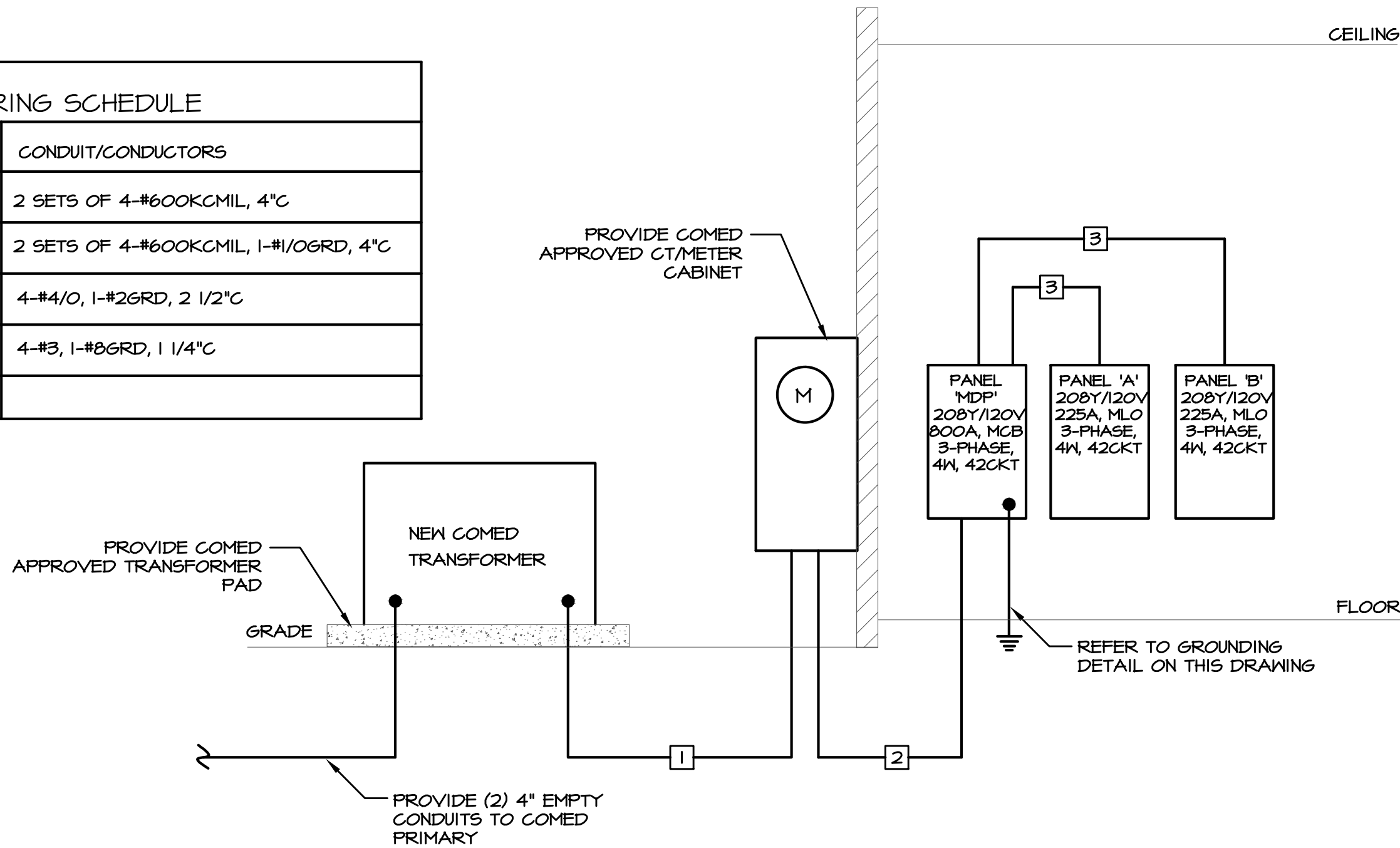


DIAGRAM - RISER DIAGRAM
NOT TO SCALE

NEW ADDITION AND INTERIOR RENOVATIONS TO:
ST. EDNA CATHOLIC CHURCH
2525 N. ARLINGTON HEIGHTS RD. ARLINGTON HEIGHTS, IL 60004



JAEGER NICKOLA KUHLMAN
ASSOCIATES, LTD., ARCHITECTS
350 S. NORTHWEST HIGHWAY, SUITE 106, PARK RIDGE, IL
60068
847.692.6166 Fax 847.692.2002
www.jnka-architects.com



NO.	DESCRIPTION	DATE
1	COMMENT RESPONSES	09.25.17
2	ADDENDUM #1	05.02.17
3	BID SET	05.01.17
4	100% DD	12.13.16
5	95% DD	02.23.16
6	50% DD	02.09.16

NO.	DESCRIPTION	DATE
1	DETAILS AND DIAGRAMS	

NO.	DESCRIPTION	DATE
1	DETAILS AND DIAGRAMS	

NO.	DESCRIPTION	DATE
1	DETAILS AND DIAGRAMS	

NO.	DESCRIPTION	DATE
1	DETAILS AND DIAGRAMS	

NO.	DESCRIPTION	DATE
1	DETAILS AND DIAGRAMS	

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THE GENERAL CONDITIONS AND SUPPLEMENTAL GENERAL CONDITIONS ISSUED BY THE ARCHITECT SHALL GOVERN WHERE APPLICABLE.

THIS CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AT THE JOB SITE BEFORE SUBMITTING BID. FAILURE TO RECOGNIZE WORK REQUIRED SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. NO CONSIDERATION SHALL BE GIVEN FOR ADDITIONAL COMPENSATION AFTER THE LETTING OF BIDS.

ENTIRE INSTALLATION SHALL BE PERFORMED IN A FIRST-CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL; ACCEPTANCE BY THE OWNER SHALL BE A CONDITION WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCES, PRESERVE MAXIMUM HEADROOM AND AVOID OMISSIONS.

CONTRACTOR TO MAKE ALL NECESSARY TAPS, AS CALLED FOR ON THE DRAWINGS.

THIS CONTRACTOR SHALL REMOVE ALL DEBRIS ON COMPLETION OF THE JOB
AND CLEAN ALL FIXTURES.

IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO START-UP, ADJUST AND CHECK FOR PROPER OPERATION, ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.

THIS CONTRACTOR SHALL ALLOW IN HIS INITIAL BID THE COST OF SERVICE ON ALL EQUIPMENT INSTALLED UNDER HIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL INSPECTION OF THE WORK.

THIS CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ ENGINEER, OWNERS INSURANCE UNDERWRITER, AND LOCAL FIRE DEPARTMENT FOR APPROVAL COMPLETE INSTALLATION AND DESIGN DRAWINGS SHOWING THE SPRINKLER SYSTEM LAYOUTS. THE LAYOUT SHALL INDICATE ALL OF THE SPRINKLER PIPING, SPRINKLER HEAD LOCATIONS AND DETAILS OF ANCHORS AND SUPPORTS AS REQUIRED.

THE SPRINKLER SYSTEM SHALL BE LAID OUT TO ELIMINATE ALL CONFLICTS BETWEEN THE SPRINKLER SYSTEM AND THE STRUCTURE INCLUDING THE MECHANICAL AND ELECTRICAL SYSTEMS AS THEY ARE SHOWN ON THE CONTRACT DRAWINGS.

THE LAYOUT SHALL INDICATE COORDINATION BETWEEN SUCH ITEMS AS DUCTWORK, LIGHTS, STRUCTURAL MEMBERS, ETC. PIPE FOR ABOVE GRADE SHALL BE NEW SCHEDULE 40 FOR BRANCHES AND SCHEDULE 10 FOR MAINS, STANDARD WEIGHT STEEL DESIGNED FOR 175 LB. WORKING PRESSURE, CONFORMING TO A.S.A. B36.10 MANUFACTURED IN THE U.S.

FITTINGS SHALL BE NEW 125 LB. CAST IRON SCREWED OR FLANGED CONFORMING TO A.S.A. B16.4, MANUFACTURED IN THE U.S. AND APPROVED FOR FIRE PROTECTION SPRINKLER SYSTEMS.

THE SPRINKLER RISERS, MAINS AND BRANCH PIPING SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, USING APPROVED TYPE STEEL HANGERS, BRACKETS, ANCHORS AND STUDS, OF SIZE AND NUMBER IN ACCORDANCE WITH N.F.P.A. #13.

THE SPRINKLER SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH PAMPHLET 13 OF THE NATIONAL FIRE PROTECTION ASSOCIATION AND ALL REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT AND OWNER'S INSURANCE UNDERWRITER.

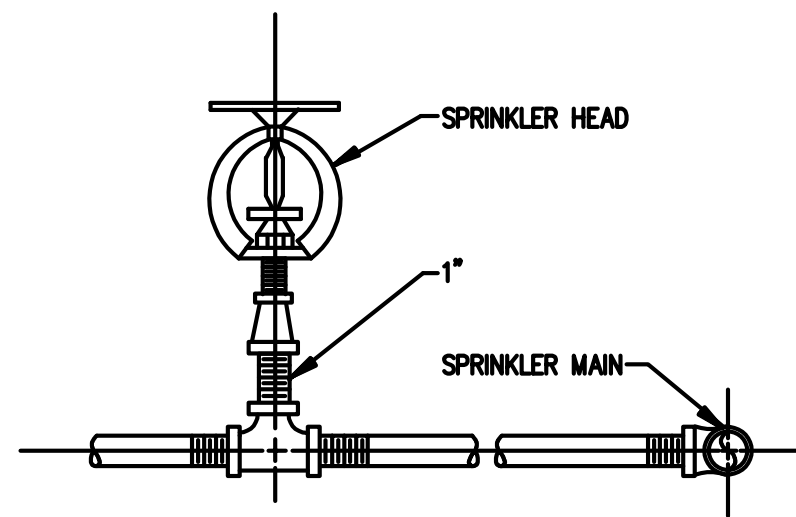
ALL PIPING ABOVE GRADE SHALL BE HYDROSTATICALLY TESTED AT 200 PSIG FOR A TWO-HOUR PERIOD IN ACCORDANCE WITH N.F.P.A. #24.

CONTRACTOR IS RESPONSIBLE FOR SPACING, PIPE SIZE, OFFSETS, CLEARANCES, VALVES, ELBOWS, HANGERS, ALL ACCESSORIES AND QUANTITIES FOR ALL.

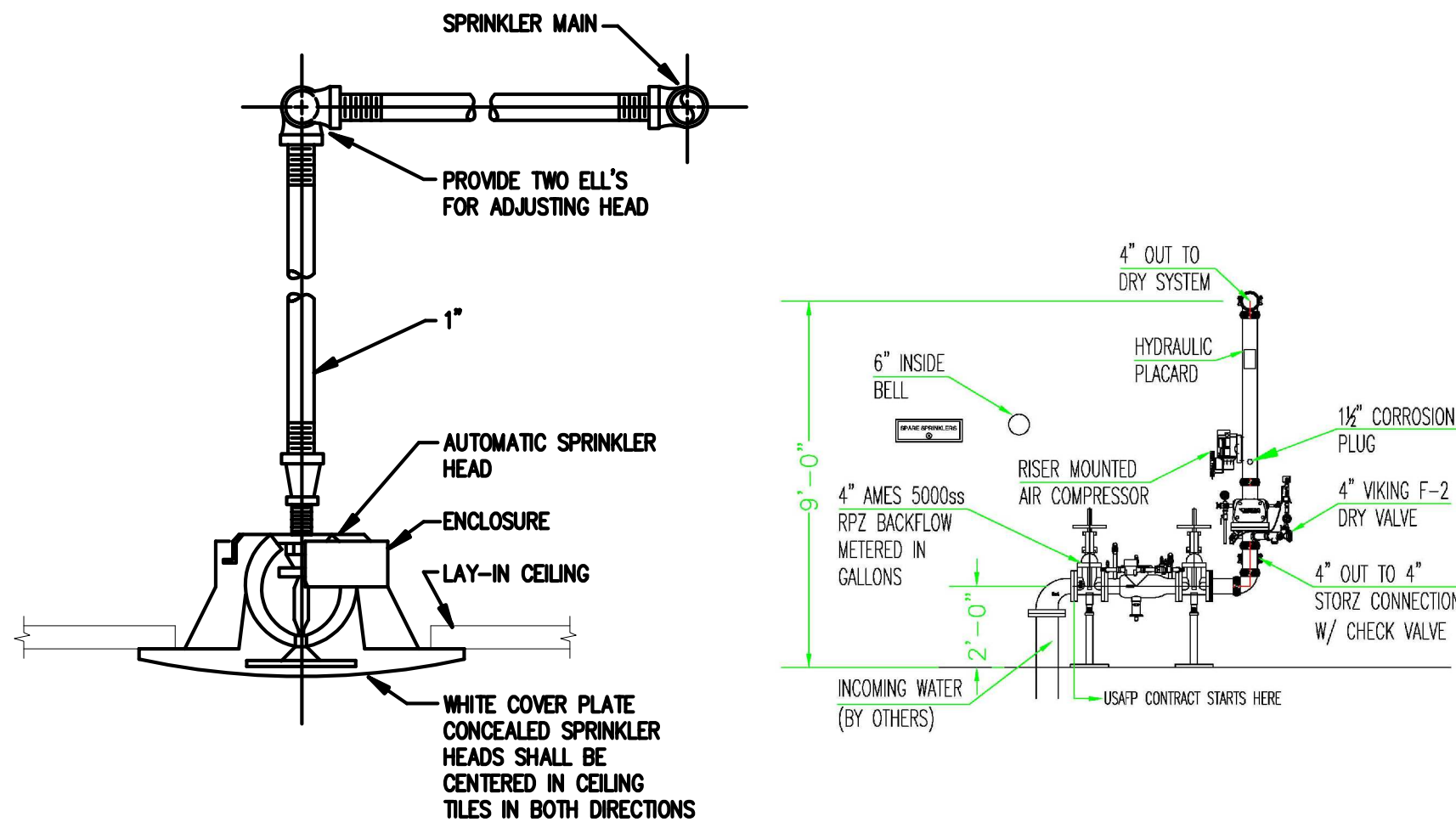
THIS CONTRACTOR SHALL DESIGN AND INSTALL A COMPLETE SPRINKLER SYSTEM PER NFPA AND LOCAL CODES.

ANY UNCONDITIONED SPACE WILL BE SERVED BY A DRY PIPE SYSTEM. THIS CONTRACTOR SHALL DESIGN THE DRY PIPE SPRINKLER SYSTEM PER NFPA AND LOCAL CODES.

THE FIRE PROTECTION CONTRACTOR TO VERIFY WITH THE VILLAGE OF ARLINGTON HTS. FIRE DEPARTMENT THAT NO HEADS ARE REQUIRED IN THE NON-CONDITIONED NON-COMBUSTABLE SPACE IN THE PITCHED ROOF AREA SEE ARCHITECTURAL PLANS FOR FE EXTINGUISHER LOCATIONS AND SPECIFICATIONS..

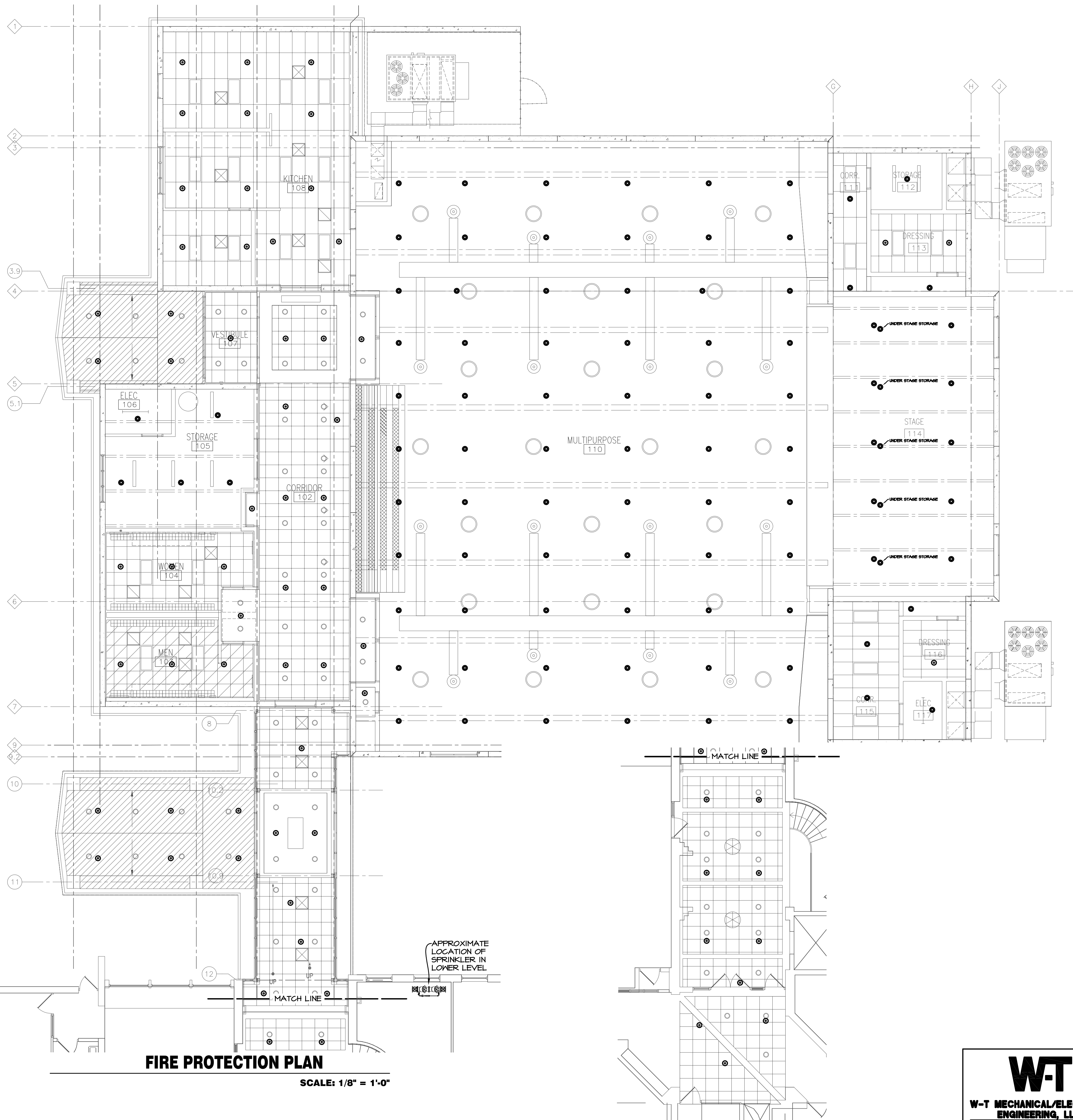


DETAIL - UPRIGHT MOUNTED SPRINKLER



DETAIL - CONCEALED SPRINKLER

DETAIL - SPRINKLER RISER



FIRE PROTECTION PLAN

SCALE: 1/8" = 1'-0"



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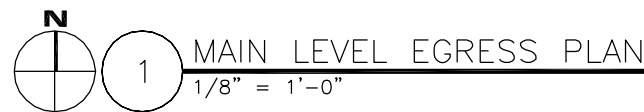
	BID SET	05.01.17
	100% DD	12.13.16
	95% DD	02.23.16
	50% DD	02.09.16

NO.	DESCRIPTION	DATE
UNDERGROUND PLUMBING		
DRAWN:		PLOT DATE:
AT, BC, KM		05/01/2017
CHECKED:	FP1-1	
STT		
JOB NUMBER: M16025		

**NEW ADDITION AND INTERIOR RENOVATIONS TO:
ST. EDNA CATHOLIC CHURCH
2525 N. ARLINGTON HEIGHTS RD. ARL.**

2525 N. ARLINGTON HEIGHTS RD. ARLINGTON HEIGHTS, IL 60004

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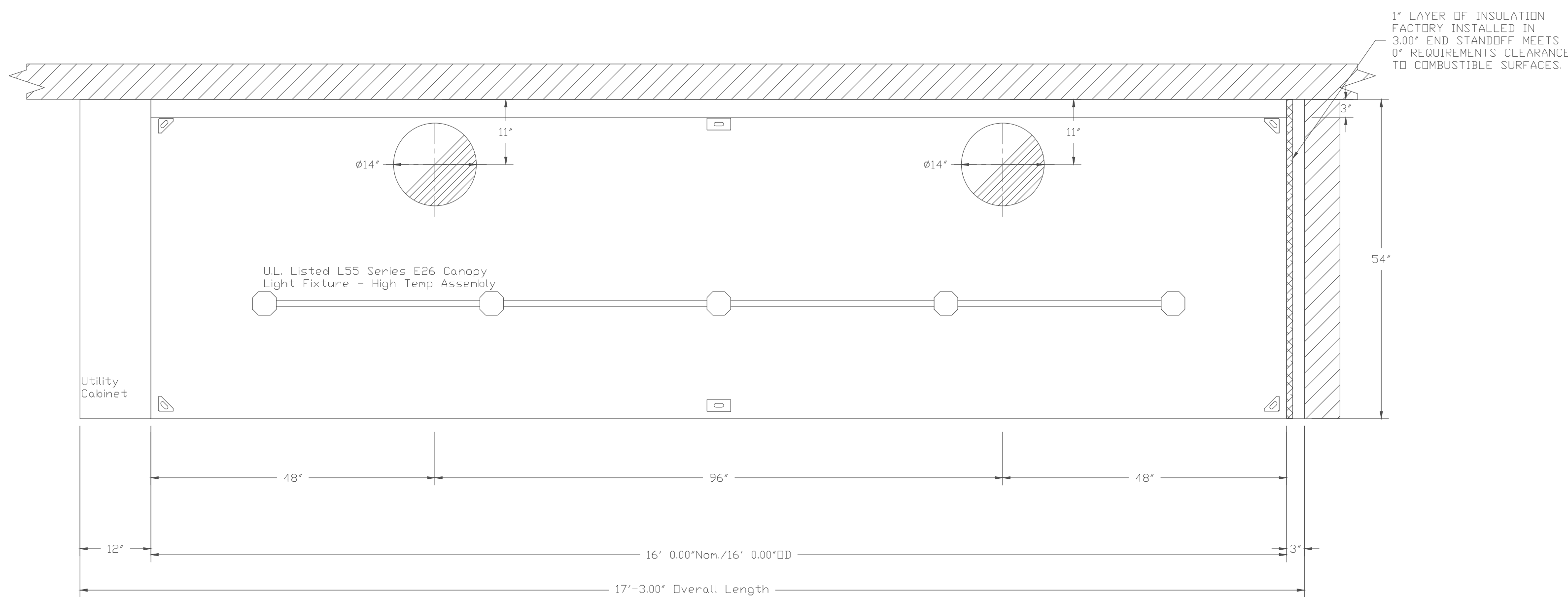
HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM RISER(S)					HOOD CONSTRUCTION	HOOD CONFIG.		
					TOTAL EXH. CFM	WIDTH	LENG.	DIA.	CFM		S.P.	END TO END	ROW
1		5424 ND-2	16' 0.00'	600 Deg.	3600			14"	1800	-0.930"	430 SS	ALONE	ALONE
								14"	1800	-0.930"	Where Exposed		

HOOD NO.	TAG	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WIGHT	
		TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 9 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	FIRE SYSTEM		ELECTRICAL			SWITCHES
											TYPE	SIZE	MODEL #			QUANTITY
1	Captrate Solo Filter	12	16"	16"	93% See Filter Spec.	5	L55 Series E26	NO	Left	Ansul R102	3.0/1.5	DCV-1011	1 Light 1 Fan	YES	808 LBS	

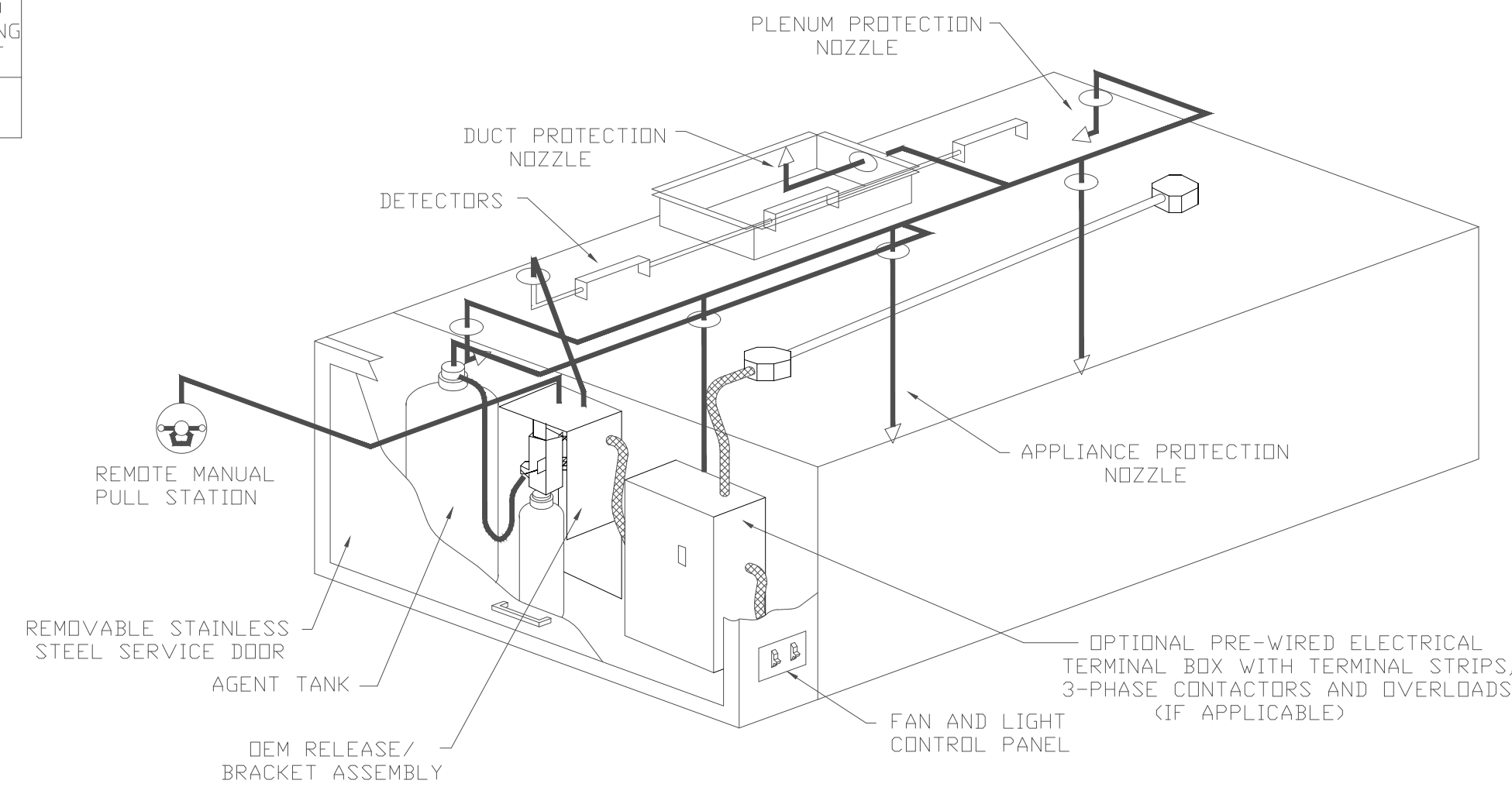
HOOD NO.	TAG	OPTION									
1		FIELD WRAPPER 18.00" High Front, Left									
		BACKSPLASH 80.00" High X 207.00" Long 430 SS Vertical									
		RIGHT END STANDOFF 3" Wide 54" Long Insulated									
		RIGHT SIDESPLASH 80.00" High X 54.00" Long 430 SS Vertical									
		LEFT WIDE VERTICAL END PANEL 42" Top Width, 36" Bottom Width, 80" High Insulated 4" Legs 430 SS									



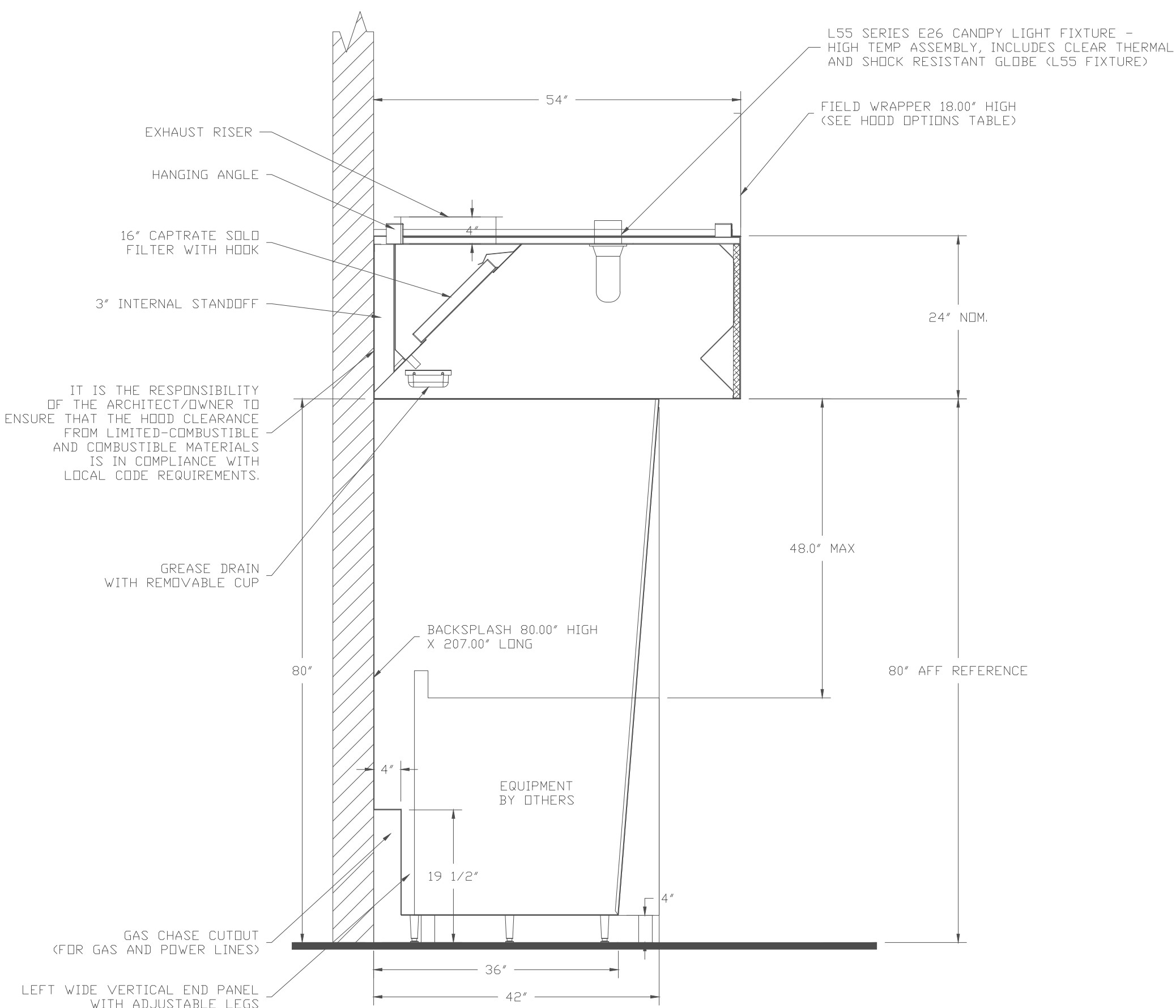
E.T.L. LISTED 3054804-001 TO
UL 710 & ULC710 STANDARDS



PLAN VIEW - Hood #1
16' 0.00" LONG 5424ND-2
NOTE: Additional hanging angles provided for hoods 12' and longer

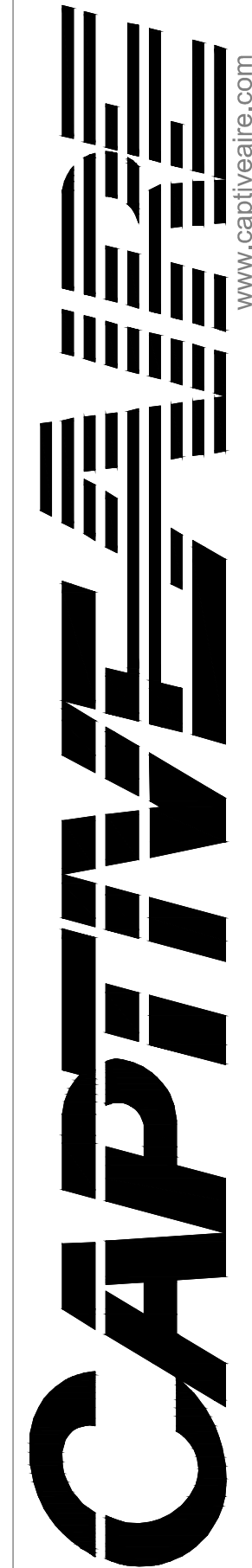


TYPICAL ANSUL R-102 SYSTEM LAYOUT



SECTION VIEW - MODEL 5424ND-2
HOOD - #1

REVISIONS		
	DESCRIPTION	DATE:
△		
△		
△		
△		



CHICAGO MECHANICAL OFFICE

2777 Finley Rd., Ste. 27, Downers Grove, IL, 60515 PHONE: (630) 705-3960 FAX: (919) 227-5980 EMAIL: reg73@captiveaire.com

St Edna's Catholic Church - Arlington Hts
ARLINGTON HEIGHTS, IL, 60005

DATE: 2/9/2016

DWG.#:
2560653

DRAWN BY:

SCALE:
3/4" = 1'-0"

MASTER DRAWING



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	95% DD	02.23.16
	50% DD	02.09.16

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MECHANICAL DETAILS & SPECIFICATIONS		
DRAWING:		PLOT DATE:
AT, BC, KM		05/01/2017
CHECKED:	M3.1	
STT		
JOB NUMBER:		
M16025		

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