

Title	Virgina Terrace Basketball Court	04/15/2024
	by Ben Rea in Member District ADA Project Request	id. 46227792
	410 N. Arlington Heights Road Arlington Heights, Illinois 60004 United States 8475067145 ada@ahpd.org	

Original Submission	04/15/2024
----------------------------	------------

Score	n/a
Name	John Kramer
Job Title	Director of Parks & Planning
E-mail Address	jkramer@ahpd.org
Phone Number	8475067145
Park District	Arlington Heights
Project Location	Virgina Terrace Basketball Court
Project Status	Maintenance
Project Type	Routes and Surfaces
Routes and Surfaces- select a Project Category below:	Athletic Surfaces
Benefits of the Project	Replacement of playable surfaces, better access for accessibility needs.
Items that will become ADA Compliant	Continue Compliance.

The project is designed or constructed, or applies human resources, to comply with:

The 2010 Standards for Accessible Design
The Illinois Accessibility Code
Agency's ADA Transition Plan

Upload Project Related Files, Photos, Videos or Audio

[2023.05.24_-_VIRGINIA_TERRACE_-_REVISED_IFP_-_STAMPED.pdf](#)

Budget Table for ADA Related Expenses

[Budget Table.xlsx](#)

ADA Dollars Requested	17625.0
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Notes related to requested amount

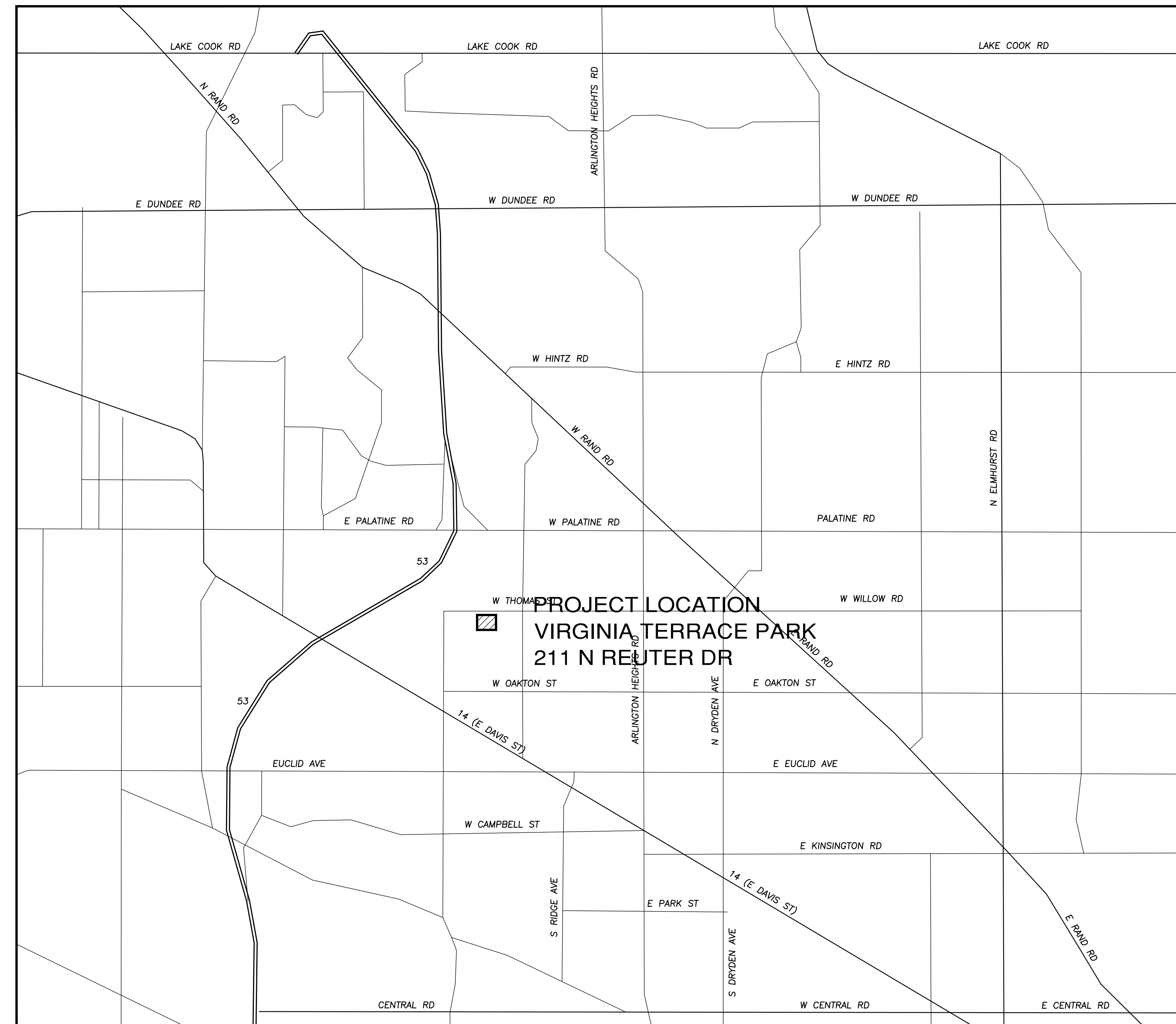
RECREATION COURT IMPROVEMENTS

VIRGINIA TERRACE PARK

1447 W. THOMAS AVE. [△]

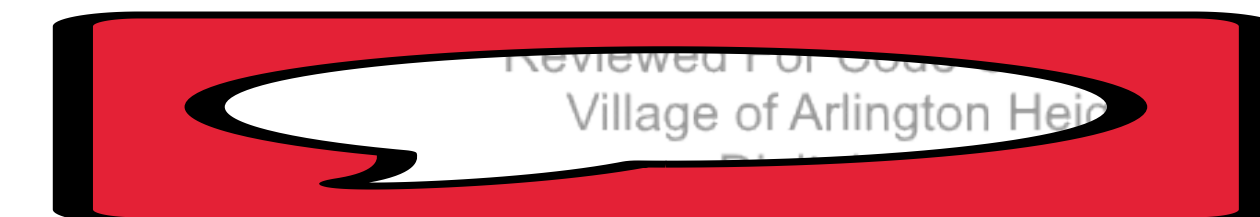
ARLINGTON HEIGHTS, IL 60004

FOR:
 ARLINGTON HEIGHTS PARK DISTRICT
 410 N ARLINGTON HEIGHTS RD
 ARLINGTON HEIGHTS, IL 60004



SHEET INDEX

C-V000	Civil Cover Sheet
C-V001	Topographical Survey
C-V101	Site Demolition Plan
C-V201	Site Geometry Plan
C-V301	Site Utility Plan
C-V401	Grading And Paving Plan
C-V501	Soil Erosion And Sediment Control Plan
C-V601	Site Work Details
C-V602	Site Work Details
E101	Electrical Site Plan
E102	Schedules & Details



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

SURVEY PROVIDED BY:

Topographic Map Provided By Norman J. Toberman and Associates For Arlington Heights Park District on January 11, 2023.

BENCHMARKS

VIRGINIA TERRACE PARK
 Bench Mark
 Upper Northwest Flange Bolt
 Elev. = 737.75 (NAVD88)
 Control Point No. 1 (Chiseled Cross)
 N1980205.96
 E1074330.53
 Elev. = 736.38
 Control Point No. 2 (Chiseled Cross)
 N1980205.49
 E1073965.84
 Elev. = 732.28
 Elevations Shown Hereon Are Based On The NAVD88 Datum Plane.

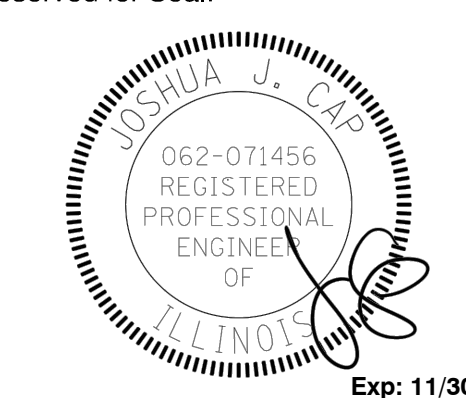


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 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-003220
 EXPIRES: 04/30/2023

ARLINGTON HEIGHTS PARK DISTRICT
 RECREATION COURT IMPROVEMENTS
 VIRGINIA TERRACE PARK
 1447 W. THOMAS AVE. [△]
 ARLINGTON HEIGHTS, ILLINOIS

Reserved for Seal:



No.	Date	Description
	03/15/23	Issued For Permit
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DRAINAGE STATEMENT

My Design Will Not Result In Stormwater Runoff Adversely Impacting Adjacent And Downstream Properties By Increasing Flood Elevations Or Decreasing Flood Conveyance Capacity.

Signed:
 SEAL ILLINOIS REGISTRATION NO: 062-071456
 Date: 03/03/2023

ACCESSIBILITY STATEMENT OF COMPLIANCE

I Have Prepared, Or Caused To Be Prepared Under My Direct Supervision, The Attached Plans And Specifications And State That, To The Best Of My Knowledge And Belief And To The Extent Of My Contractual Obligation, They Are In Compliance With The Environmental Barriers Act [410 ILCS 25] And The Illinois Accessibility Code (71 Ill. Adm. Code 400).

Signed:
 SEAL ILLINOIS REGISTRATION NO: 062-071456
 Date: 03/03/2023

Sheet Title:

CIVIL
 COVER SHEET

Sheet No:
C-V000

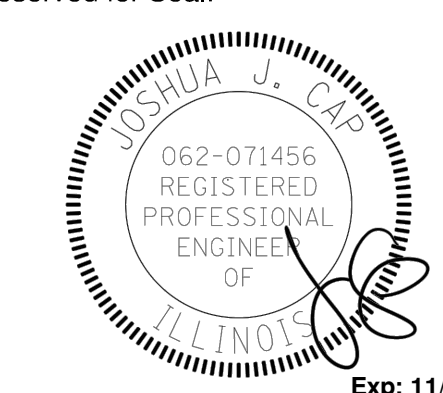


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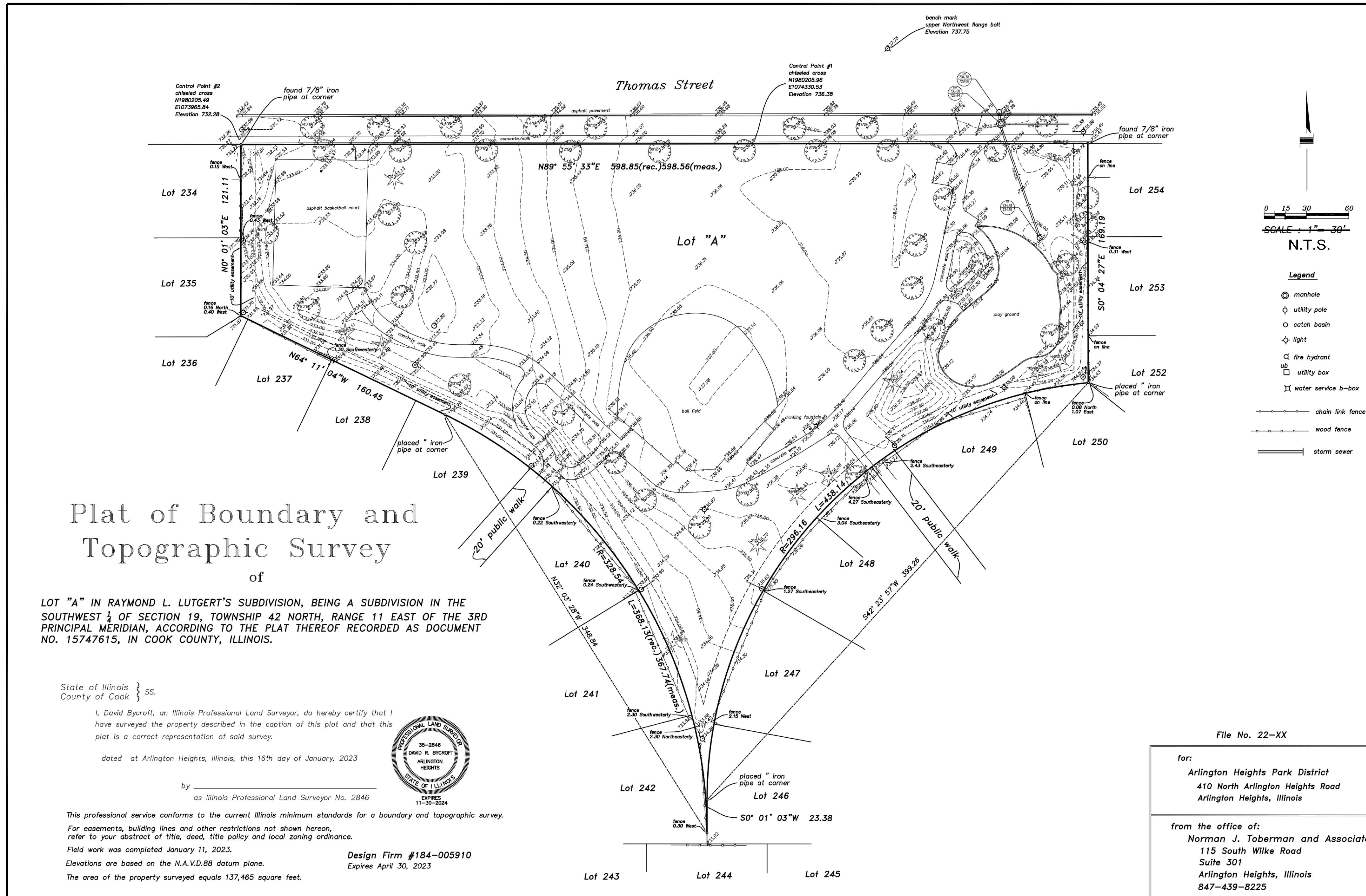


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Design By:	Approved By:	Date:
NH	JC	02/17/23

Sheet Title:
**TOPOGRAPHICAL
SURVEY**

Sheet No.:
C-V001



Plat of Boundary and Topographic Survey of

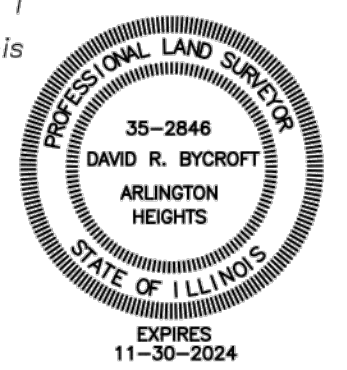
LOT "A" IN RAYMOND L. LUTGERT'S SUBDIVISION, BEING A SUBDIVISION IN THE SOUTHWEST 1/4 OF SECTION 19, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE 3RD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AS DOCUMENT NO. 15747615, IN COOK COUNTY, ILLINOIS.

State of Illinois } ss.
County of Cook }

I, David Bycroft, an Illinois Professional Land Surveyor, do hereby certify that I have surveyed the property described in the caption of this plat and that this plat is a correct representation of said survey.

dated at Arlington Heights, Illinois, this 16th day of January, 2023

by _____
as Illinois Professional Land Surveyor No. 2846



This professional service conforms to the current Illinois minimum standards for a boundary and topographic survey.

For easements, building lines and other restrictions not shown hereon, refer to your abstract of title, deed, title policy and local zoning ordinance.

Field work was completed January 11, 2023.

Elevations are based on the N.A.V.D.88 datum plane.

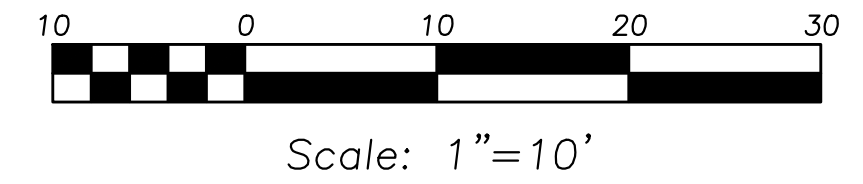
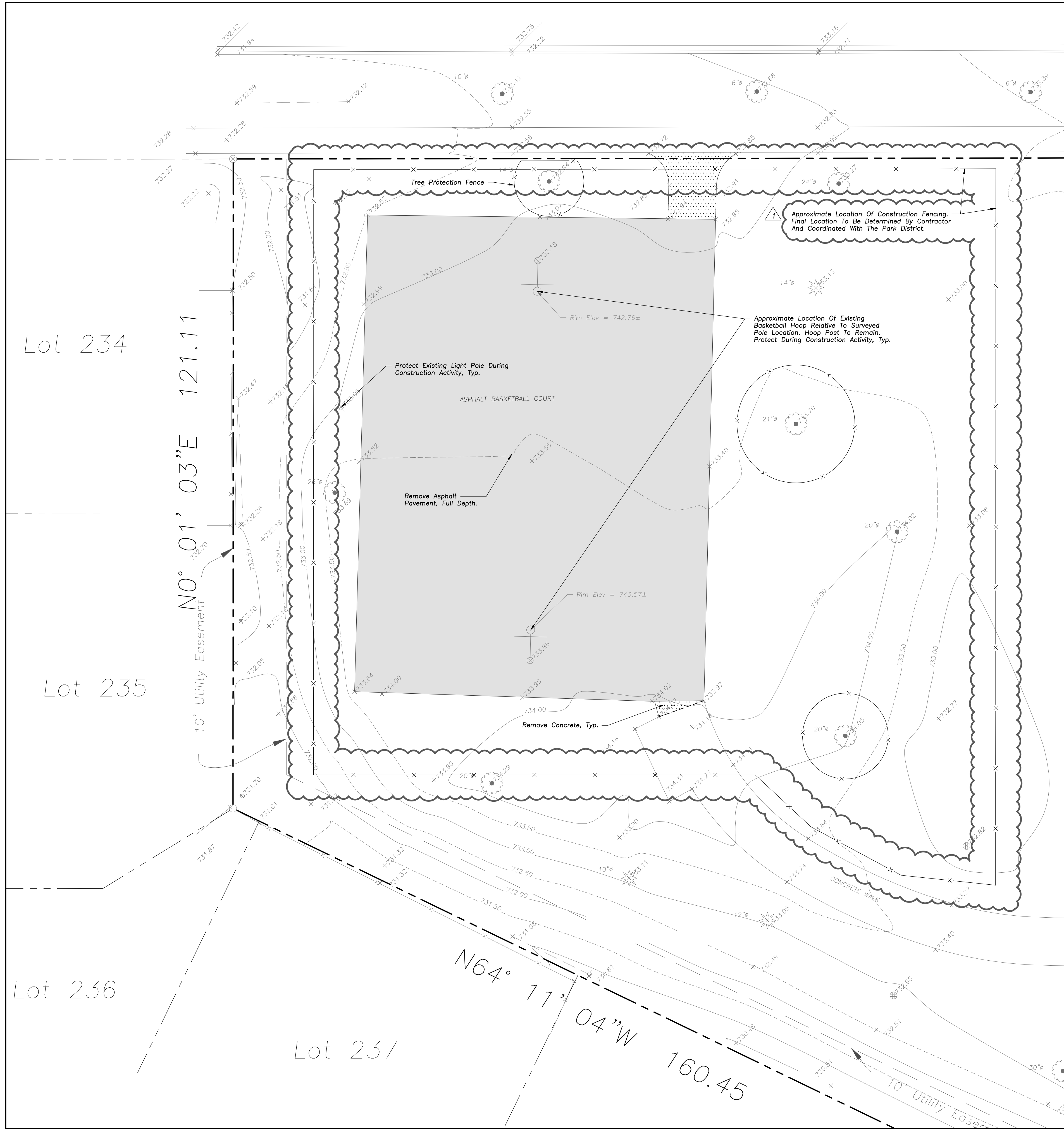
The area of the property surveyed equals 137,465 square feet.

Design Firm #184-005910
Expires April 30, 2023

File No. 22-XX

for:
Arlington Heights Park District
410 North Arlington Heights Road
Arlington Heights, Illinois

from the office of:
Norman J. Toberman and Associates
115 South Wilke Road
Suite 301
Arlington Heights, Illinois
847-439-8225



DEMOLITION LEGEND

- Bituminous Pavement Removal (Full Depth)
- Concrete Pavement Removal (Full Depth)
- Pavement Sawcut

LEGEND

- | EXISTING | PROPOSED |
|--------------------------------------|--------------------------------------|
| Catch Basin | Catch Basin |
| Clean Out | Clean Out |
| Storm Sewer | Storm Sewer |
| Sanitary Sewer | Sanitary Sewer |
| Water Main | Water Main |
| Electrical Cable (Buried) | Electrical Cable (Buried) |
| Light Pole | Light Pole |
| Utility Pole | Utility Pole |
| Sign | Sign |
| 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 |
| 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 |

DEMOLITION NOTES

1. Keep All Village Streets Free and Clear of Construction Related Dirt/Dust/Debris.
2. Any Public Sidewalk That Is Damaged As A Result Of Construction Activity Shall Be Removed And Replaced At The Direction Of The Engineer Inspector.
3. Any Public Parkway That Is Damaged As A Result Of Construction Activity Shall Be Restored With Topsoil And Seed Or Sod And At The Direction Of The Engineer Inspector.
4. Coordinate Existing Utility Removal with Local Authorities and Utility Companies Having Jurisdiction.
5. All Sawcutting Shall be Full Depth to Provide a Clean Edge to Match New Construction. Match Existing Elevations at Points of Connection for New and Existing Pavement, Curb, Sidewalks, etc. All Sawcut Locations Shown Are Approximate and May Be Field Adjusted to Accommodate Conditions, Joints, Material Type, etc. Remove Minimum Amount Necessary for Installation of Proposed Improvements.
6. Provide and Maintain All Necessary Traffic Control and Safety Measures Required During Demolition and Construction Operations Within or Near the Public Roadway.
7. All Trees To Be Removed Shall Be Removed In Their Entirety and Stumps Shall Be Ground to Proposed Subgrade. Use As Match for Proposed Landscaping Where Applicable and Acceptable to Architect.

GENERAL NOTES

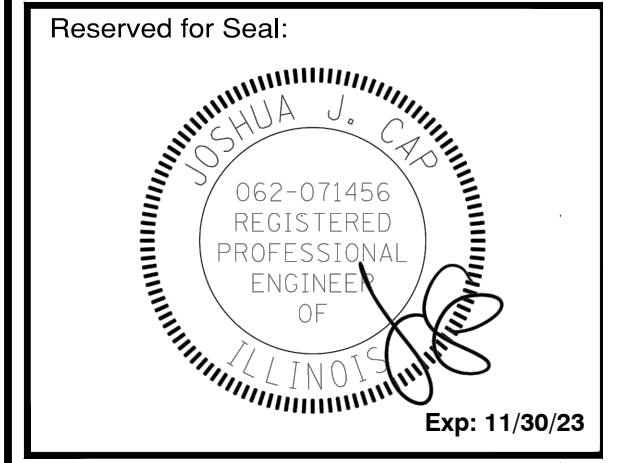
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6. These Drawings Assume That The Contractor Will Utilize An Electronic Drawing File (DWG) to Stake All Site Improvements Accordingly. Contractor Shall Re-Establish Horizontal Control. Horizontal Control Points Not Provided.
7. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson Engineering Associates, Ltd.
8. The Engineer is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This Information Shall Contact The Engineer Immediately.
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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**ARLINGTON HEIGHTS PARK DISTRICT
RECREATION COURT IMPROVEMENTS**
 VIRGINIA TERRACE PARK
 1447 W. THOMAS AVE.
 ARLINGTON HEIGHTS, ILLINOIS



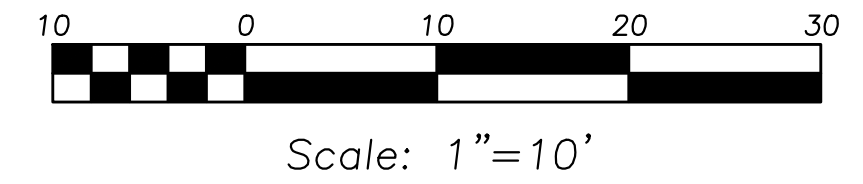
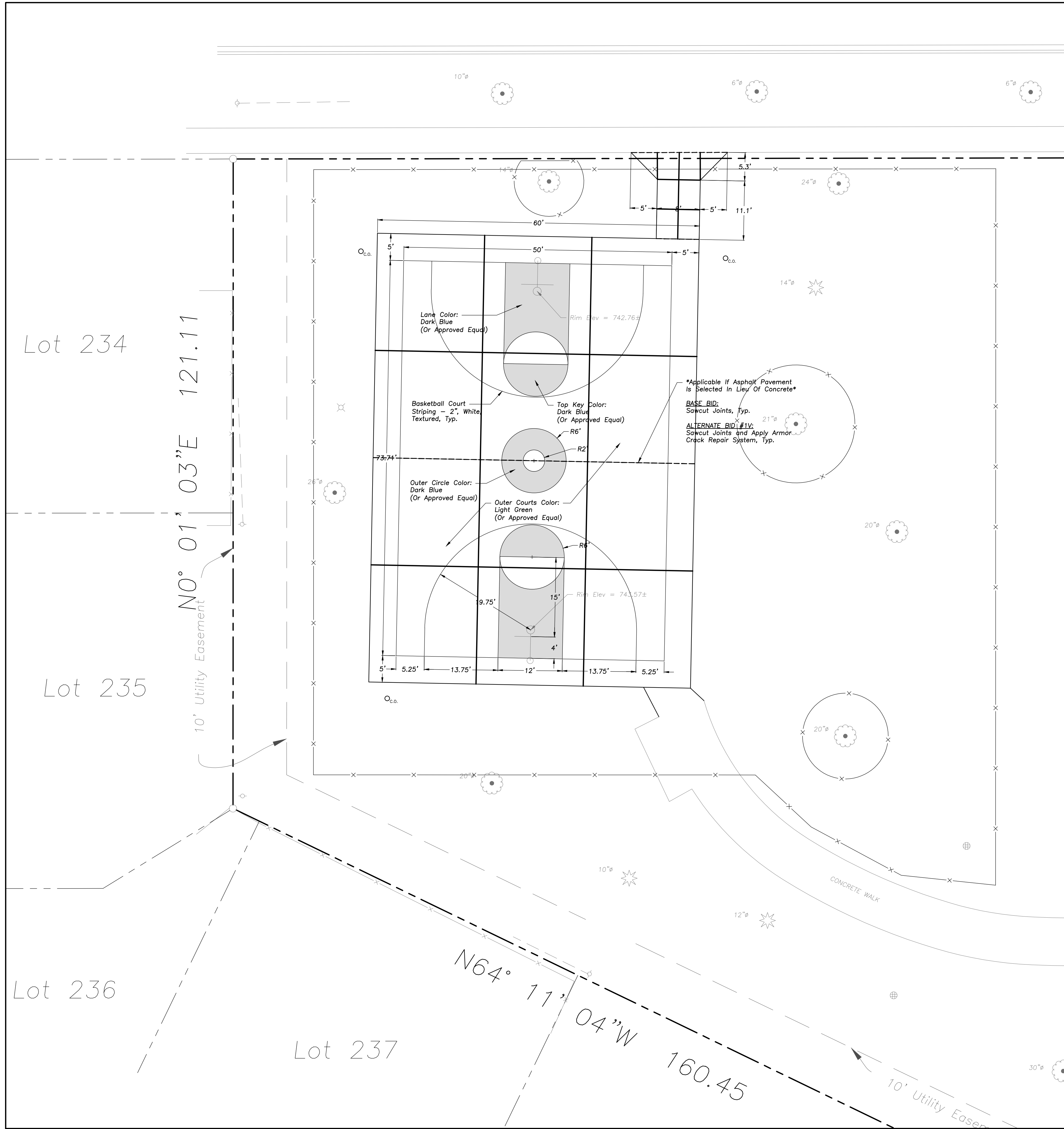
No.	Date	Description
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Design By: NH Approved By: JC Date: 02/17/23

Sheet Title:
**SITE DEMOLITION
 PLAN**

Sheet No:
C-V101



GEOMETRY NOTES

1. All Dimensions Contained Herein Reference Back Of Curb, Face Of Retaining Wall, Edge Of Pavement, Center Of Structure And Outside Face Of Building Foundation Unless Otherwise Noted.

LEGEND

EXISTING	PROPOSED

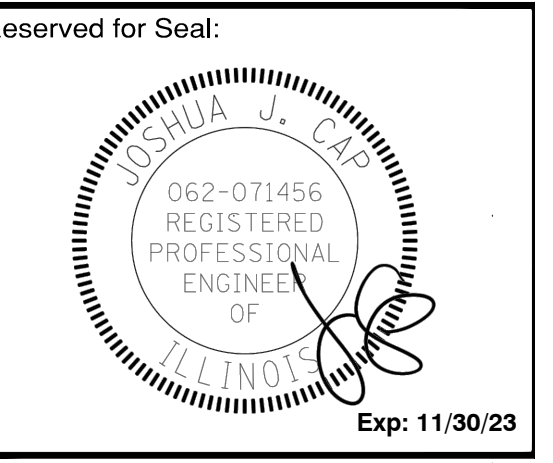
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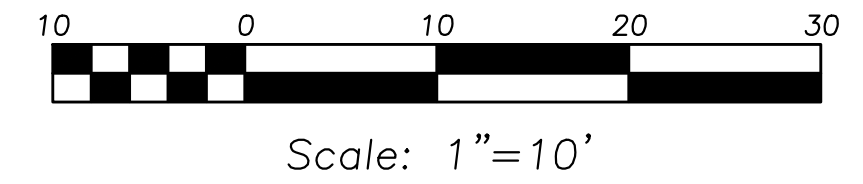
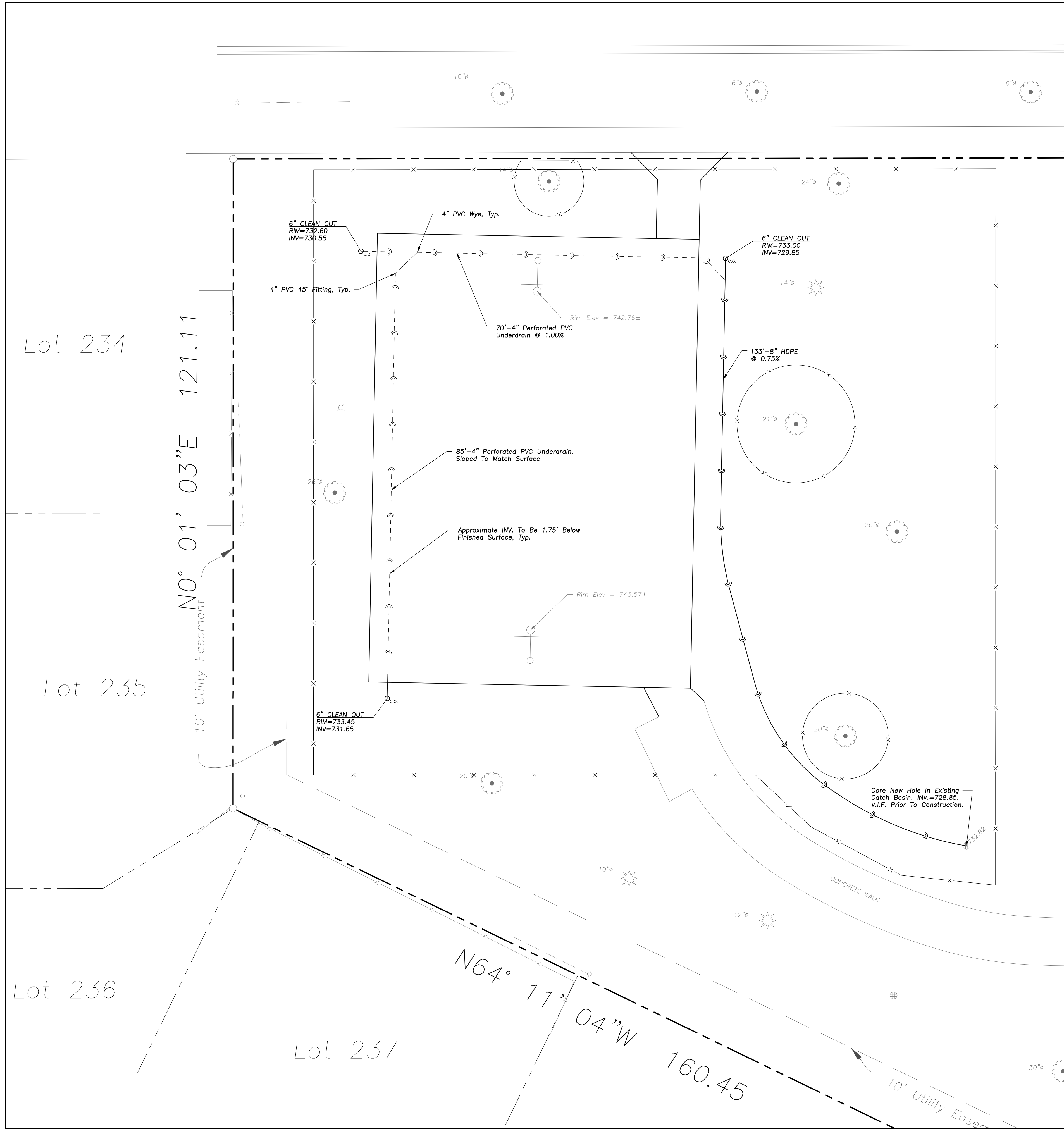


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 Design By: NH Approved By: JC Date: 02/17/23

Sheet Title:
SITE GEOMETRY PLAN

Sheet No.:
C-V201



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.
- 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.
- 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.

LEGEND

EXISTING	PROPOSED

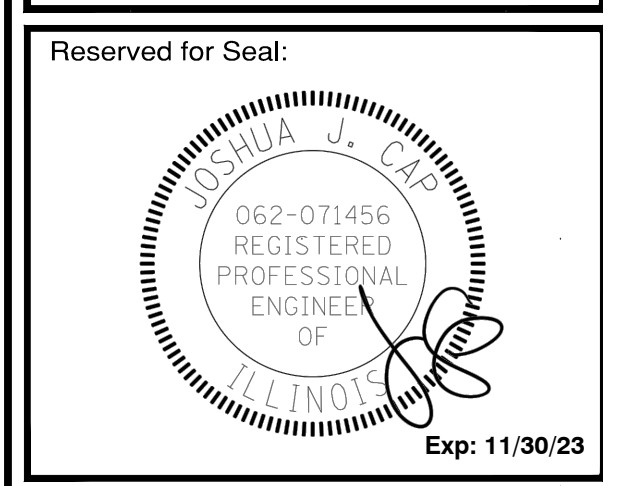
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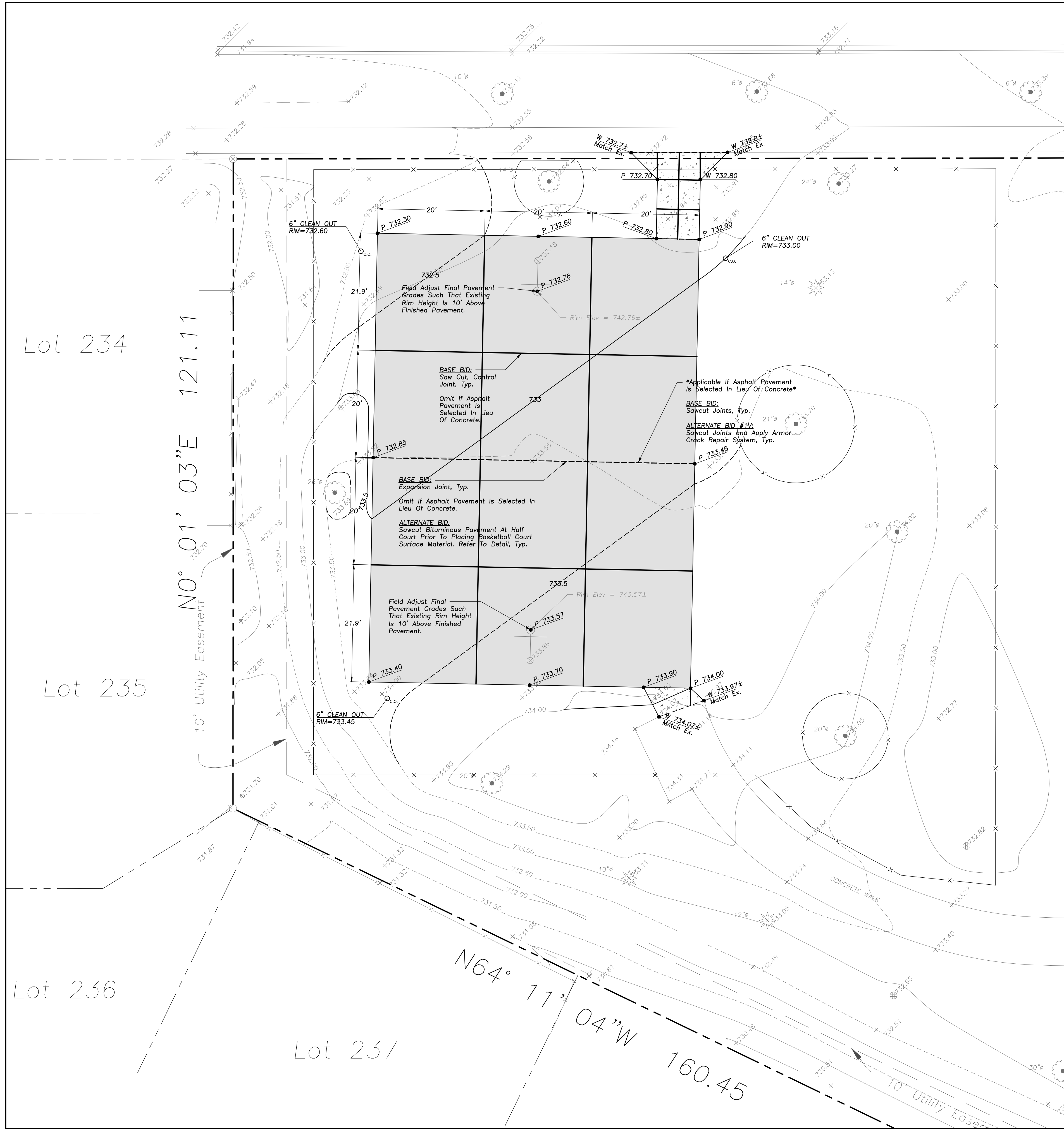
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Design By: NH Approved By: JC Date: 02/17/23

Sheet Title:
SITE UTILITY PLAN

Sheet No:
C-V301



PAVING & SURFACE LEGEND

- Basketball Court Pavement Section (NO RECYCLED MATERIAL ALLOWED) Surface Coating (Elite Sport Coating System Or Approved Equal) Inner Court Color: Dark Blue (Or Approved Equal) Outer Court Color: Light Green (Or Approved Equal)
- BASE BID**
5" Portland Cement Concrete Pavement No. 4 Reinforcing Bars 24" O.C In Both Directions 4" Aggregate Base Course, Type B, Crushed
- ALTERNATE 1**
1 1/2" Hot Mix Asphalt, IL-9.5, N30, PG58-28 (Virgin Mix, NO RAP, RAS, FRAP) Tack Coat (0.25 gal/sq yd) Tensor GlasVoxe GP25 Waterproofing Paving Mat (Or Approved Equal)
2 1/2" Hot Mix Asphalt, IL-19.0, N50, PG58-28 (Virgin Mix, NO RAP, RAS, FRAP) Prime Coat (0.25 gal/sq yd) 8" Aggregate Base Course, Type B, Crushed (Minimum)
- ALTERNATE 1V**
Sawcut Joints and Apply Armor Crack Repair System
- ALTERNATE 2**
Include Tensor Geogrid TX160 At Bottom Of Base Course In Selected Pavement Section (Installed Per Manufacturers Specifications)
- Concrete Sidewalk Section 5" Portland Cement Concrete 8" Aggregate Base Course, Type B, Crushed

GRADING NOTES

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 Respread With 6 Inches (Min.) to 12 Inches (Max.) Topsoil and Hydroseeded Unless Noted Otherwise On The Landscape Drawings.

Scale: 1"=10'



LEGEND

- | EXISTING | PROPOSED |
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GENERAL NOTES

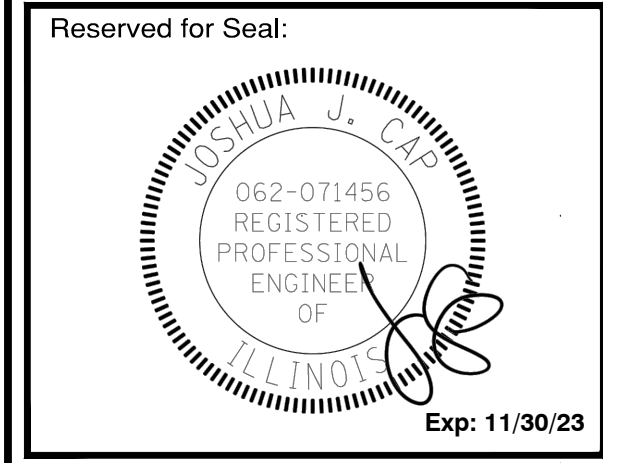
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LICENSE NO. 184-003220
EXPIRES: 04/30/2023

**ARLINGTON HEIGHTS PARK DISTRICT
RECREATION COURT IMPROVEMENTS**
 VIRGINIA TERRACE PARK
 1447 W. THOMAS AVE.
 ARLINGTON HEIGHTS, ILLINOIS

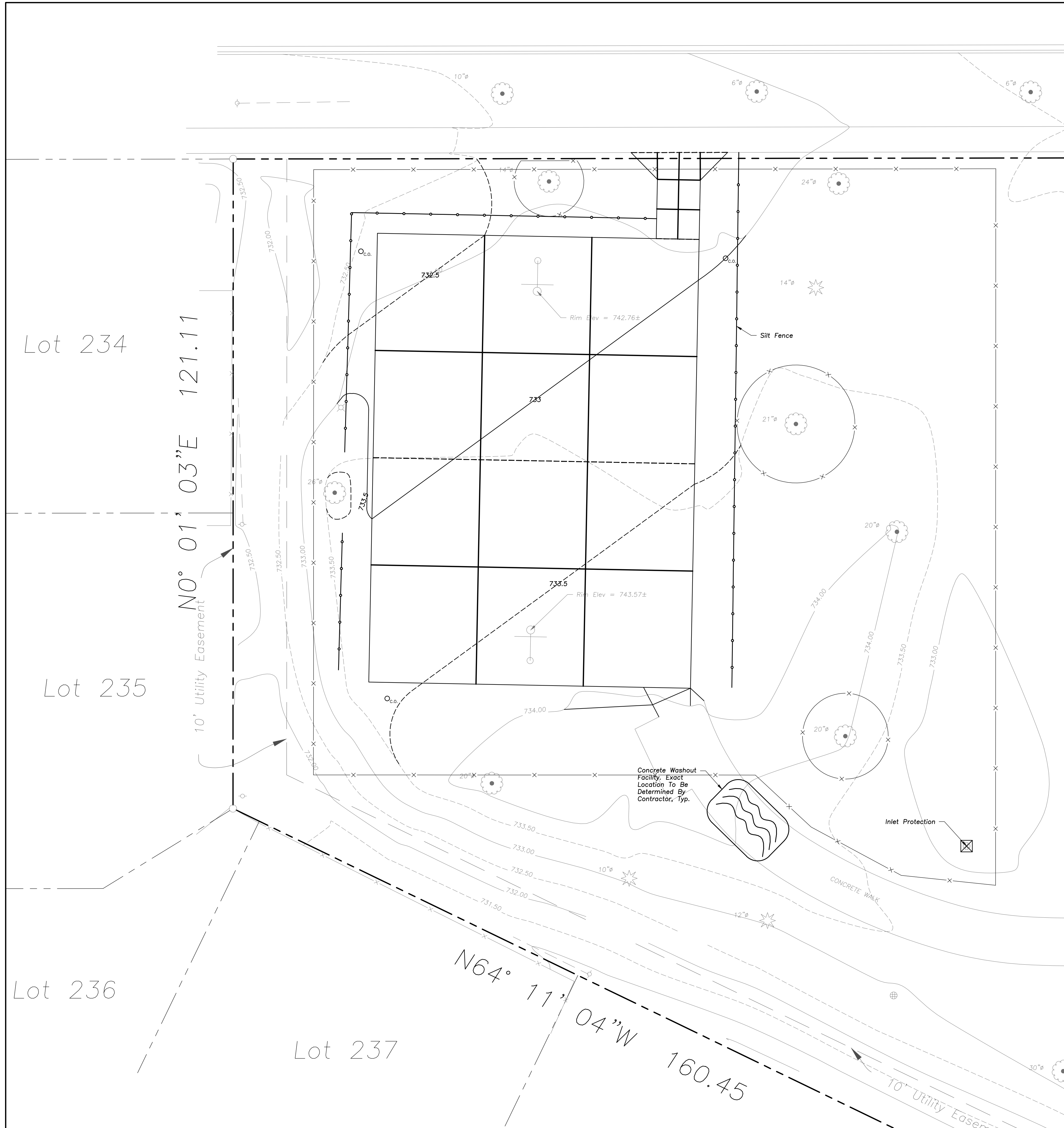


No.	Date	Description
	03/15/23	Issued For Permit
Δ	05/24/23	Revised For Village Permit

DESIGN BY: NH APPROVED BY: JC DATE: 02/17/23

SHEET TITLE:
GRADING AND PAVING PLAN

SHEET NO.:
C-V401

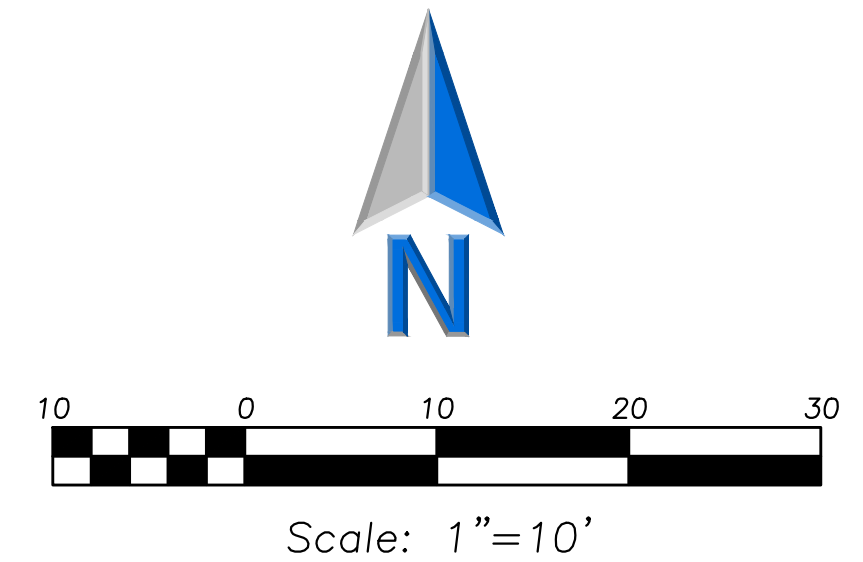


SOIL EROSION & SEDIMENTATION CONTROL LEGEND

- Silt Fence
- Catch-All, Pork Chop Sediguard (or equal) Paved or Existing Stabilized Areas

SOIL EROSION & SEDIMENTATION CONTROL NOTES

1. Illinois Urban Manual Shall Govern All Soil Erosion and Sediment Control, and Related Work.
2. Soil Disturbance Shall Be Conducted In Such A Manner as To Minimize Erosion. Soil Stabilization Measures Shall Consider The Time of Year, Site Conditions, and The Use of Temporary or Permanent Measures.
3. Soil Erosion and Sediment Control Features Shall Be Constructed Prior to the Commencement of Upland Disturbance.
4. 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.
5. 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.
6. 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.
7. 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.
8. All Temporary And Permanent Sediment And Erosion Control Measures Must Be Maintained, Repaired, And Inspected In Conformance With All Applicable IEPA-NPDES Phase II.
9. 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.
10. 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.
11. 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.
12. 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.
13. Report Releases of Reportable Quantities of Oil or Hazardous Materials If They Occur In Accordance with IEPA NPDES Requirements.
14. All Concrete Washout Shall Conform To The "Temporary Concrete Washout Facility" Standards (Code 954) of the Illinois Urban Manual, Latest Edition.
15. 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.
16. 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.



LEGEND

- | EXISTING | PROPOSED |
|--------------------------------------|--------------------------------------|
| Catch Basin | Catch Basin |
| Clean Out | Clean Out |
| Storm Sewer | Storm Sewer |
| Sanitary Sewer | Sanitary Sewer |
| Water Main | Water Main |
| Electrical Cable (Buried) | Electrical Cable (Buried) |
| Light Pole | Light Pole |
| Utility Pole | Utility Pole |
| Sign | Sign |
| 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 |
| 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 |

GENERAL NOTES

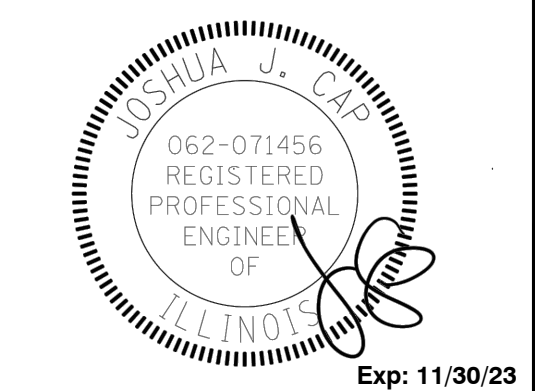
1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility In The Event 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. Contractor Shall Provide Private Utility Locating Services for the Project Area.
4. Notify The Owner, Engineer and The Village A Minimum of 48 Hours In Advance of Performing Any Work.
5. All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored To Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It is Incumbent Upon Contractor to Show That Damaged Areas Were Not Disturbed By Construction Operations.
6. These Drawings Assume That The Contractor Will Utilize An Electronic Drawing File (DWG) to Stake All Site Improvements Accordingly. Contractor Shall Re-Establish Horizontal Control. Horizontal Control Points Not Provided.
7. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson Engineering Associates, Ltd.
8. The Engineer is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This Information Shall Contact The Engineer Immediately.
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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**ARLINGTON HEIGHTS PARK DISTRICT
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 VIRGINIA TERRACE PARK
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 ARLINGTON HEIGHTS, ILLINOIS

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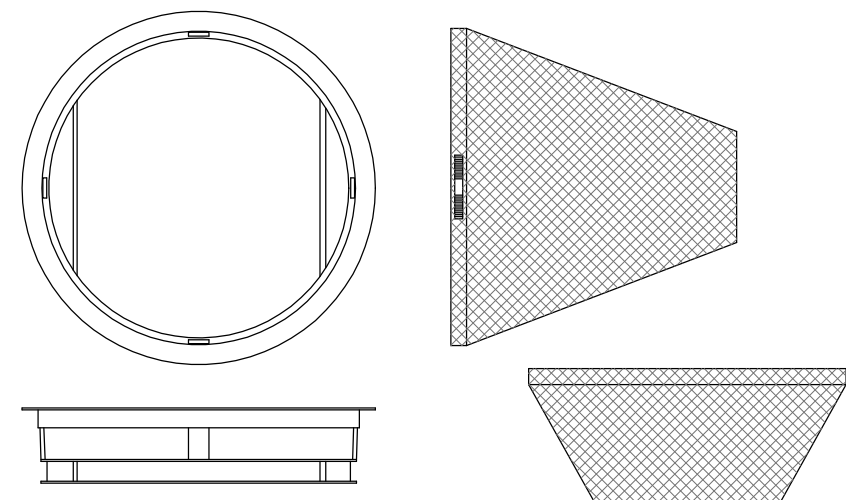
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Design By: **NH** Approved By: **JC** Date: **02/17/23**

Sheet Title:
**SITE EROSION
AND SEDIMENT
CONTROL PLAN**

Sheet No:
C-V501



General Notes:

Use Marathon Materials, Inc., "Catch-All" Inlet Protectors Or Approved Equal. Inlet Protector Types Shall Be Selected to Fit Frame and Grate of Open Lid Structures to Be Protected. www.marathonmaterials.com

Frame: Top Flange Fabricated From 1 1/4" X 1 1/4" X 1/8" Angle. Base Rim Fabricated From 1 1/2" x 3/4" x 1/8" Channel. Handles And Suspension Brackets Fabricated From 1 1/2" x 1/2" Flat Stock. All Domestic Steel Conforming To ASTM-A36

Sediment Bag: Bag Fabricated From 4 Oz./sq.yd. Non-woven Polypropylene Geotextile Reinforced With Polyester Mesh. Bag Secured To Base Rim With A Stainless Steel Strap And Lock.

Install Baskets In All Existing Storm Inlets Prior To Construction And All New Storm Inlets Immediately After Installation. Contractor Shall Maintain Throughout Construction Activities.

INLET PROTECTORS – SEDIMENT BAG

GENERAL NOTES

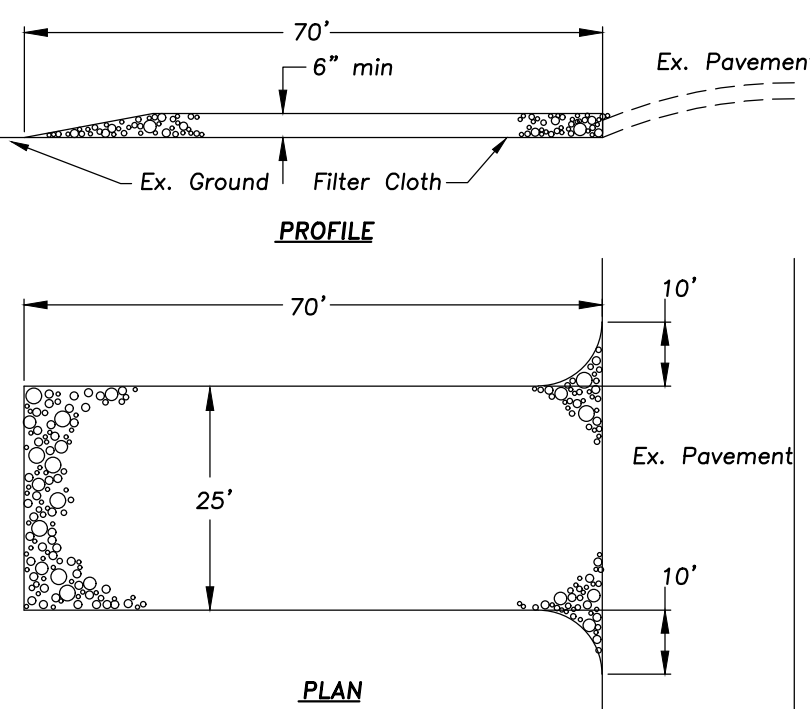
STONE SIZE – Use IDOT gradation CA-1 aggregate stone.

MAINTENANCE – The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or clean-out of any measures used to trap sediment. All sediment spilled, dropped, washed, or tracked onto public rights-of-way must be removed immediately.

FILTER CLOTH – Will be placed over the entire area prior to placing stone. Conform to Illinois Urban Manual Section 592, Type I, II, or IV.

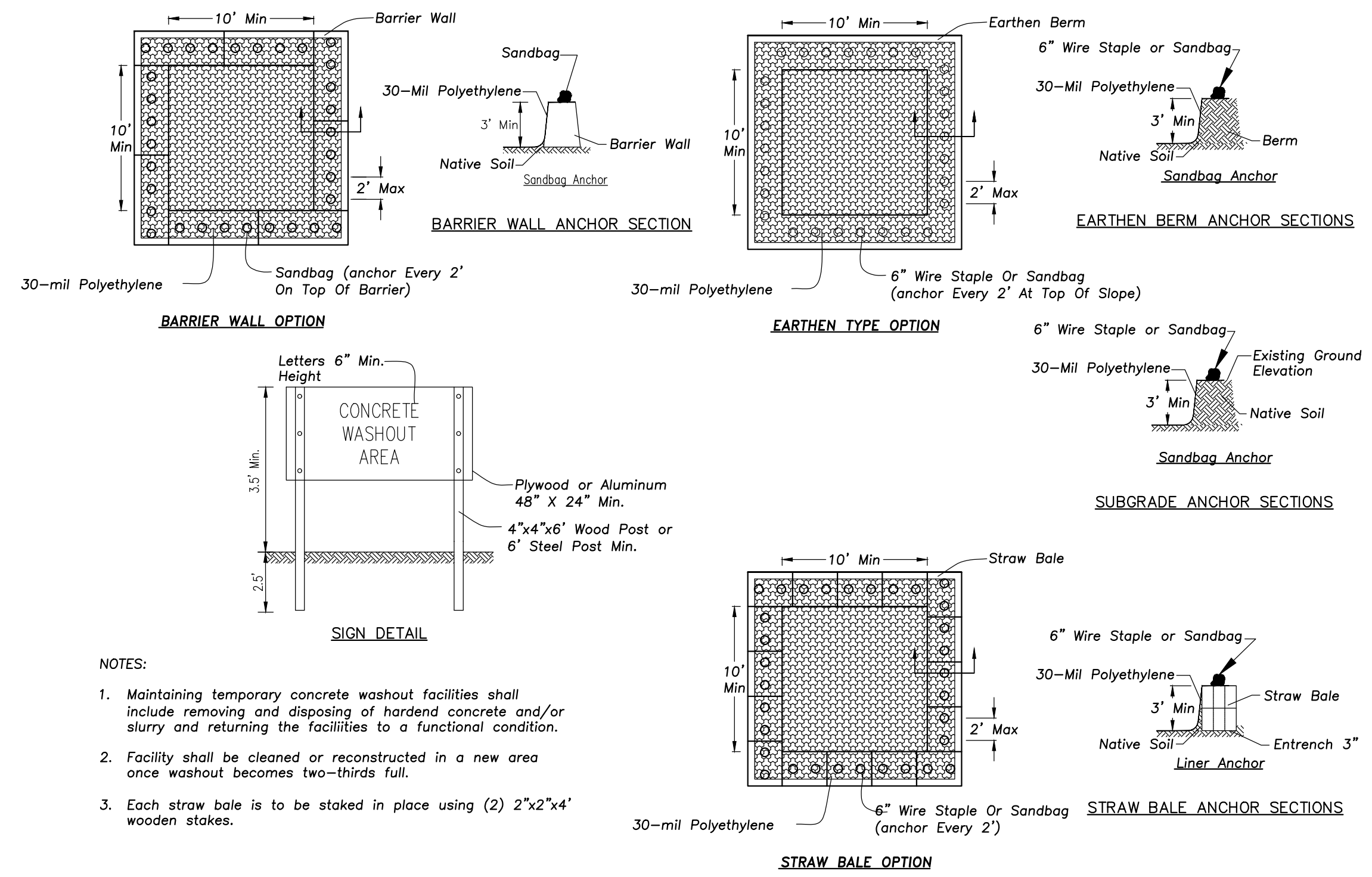
WASHING – Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.

Periodic inspection and needed maintenance shall be provided after each rain.

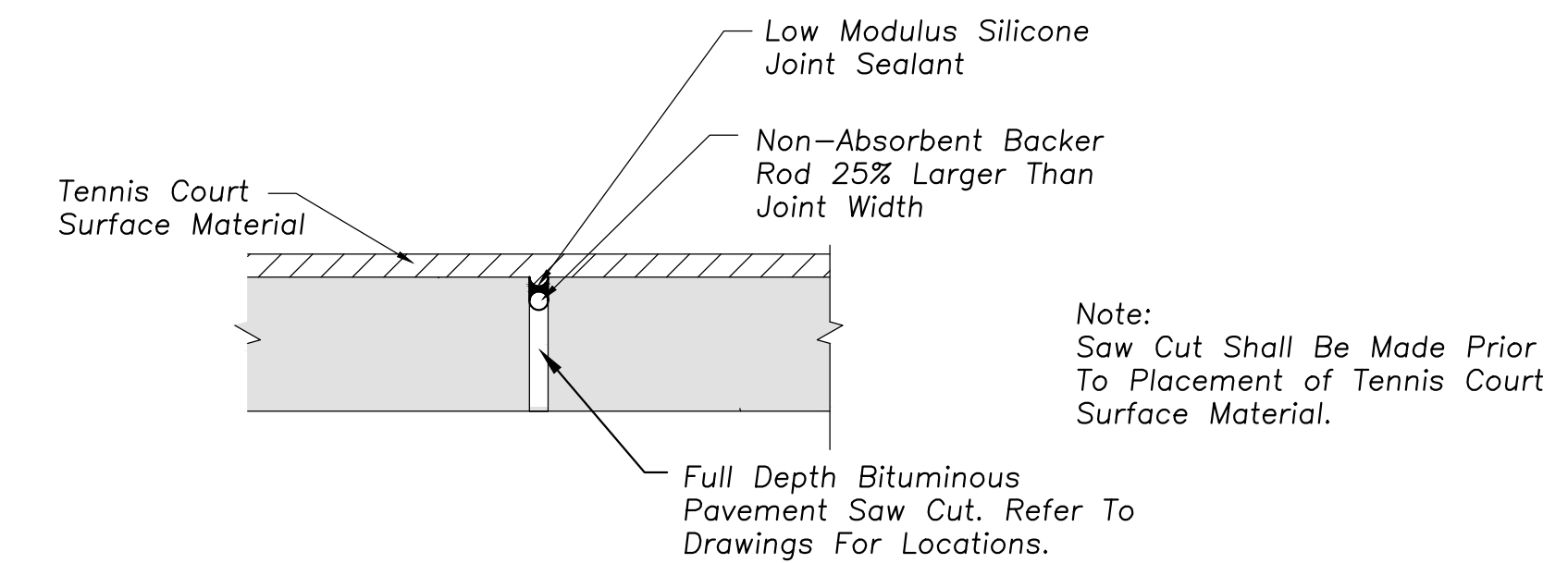


STABILIZED CONSTRUCTION ENTRANCE

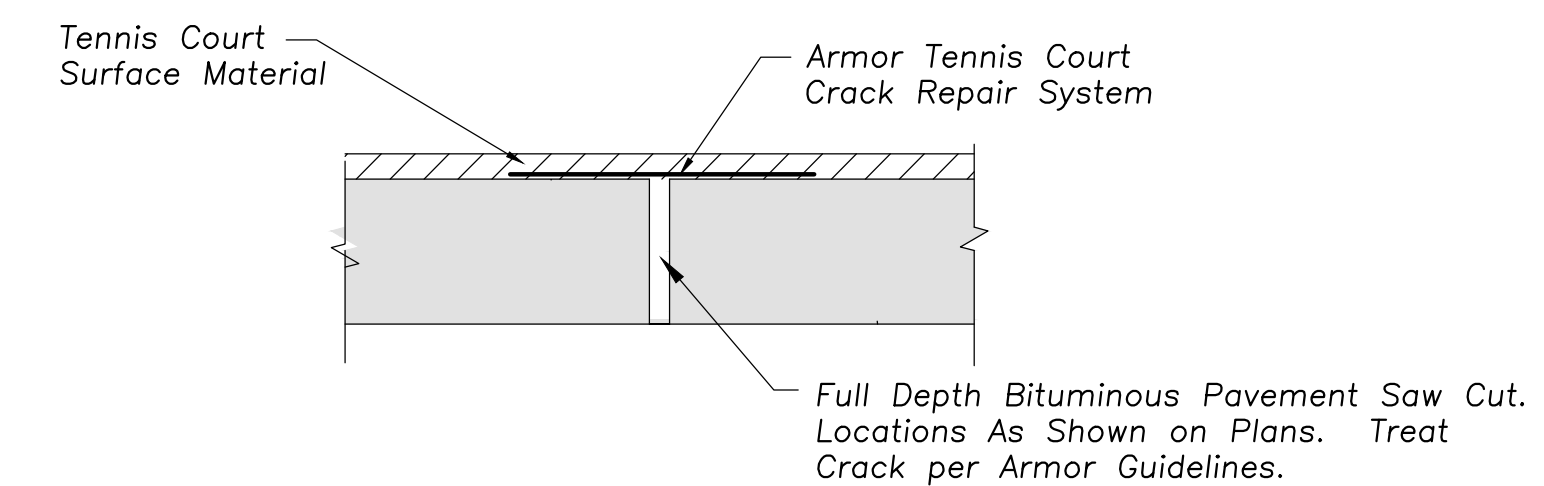
NOT TO SCALE



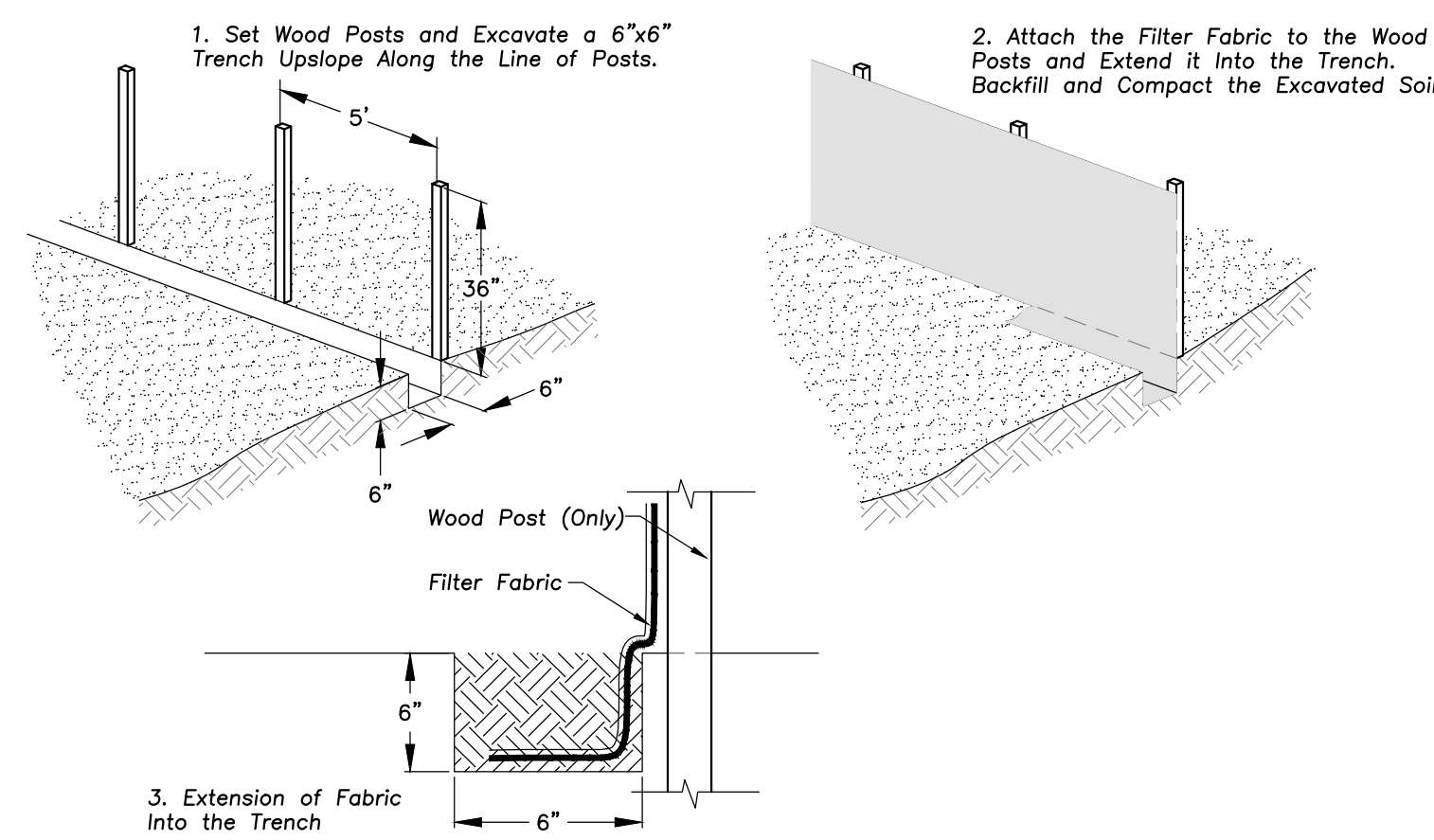
CONCRETE WASHOUT FACILITY



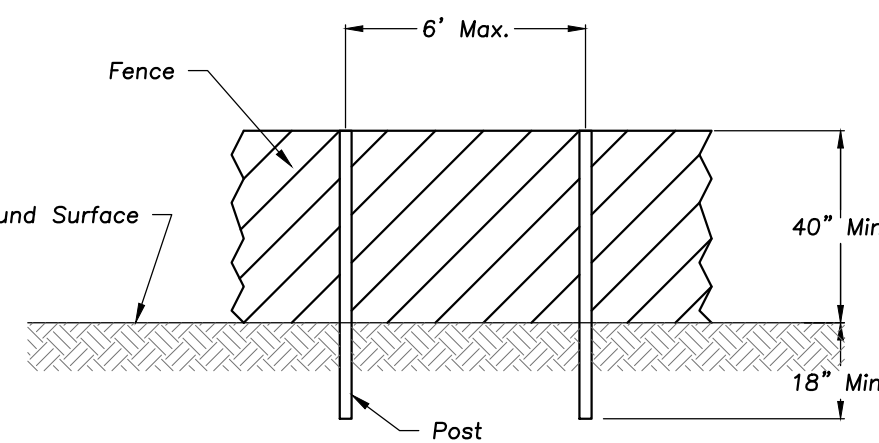
BASE BID: TENNIS COURT SAWCUT JOINT DETAIL



ALTERNATE BID #1H: TENNIS COURT SAWCUT JOINT WITH ARMOUR CRACK REPAIR DETAIL



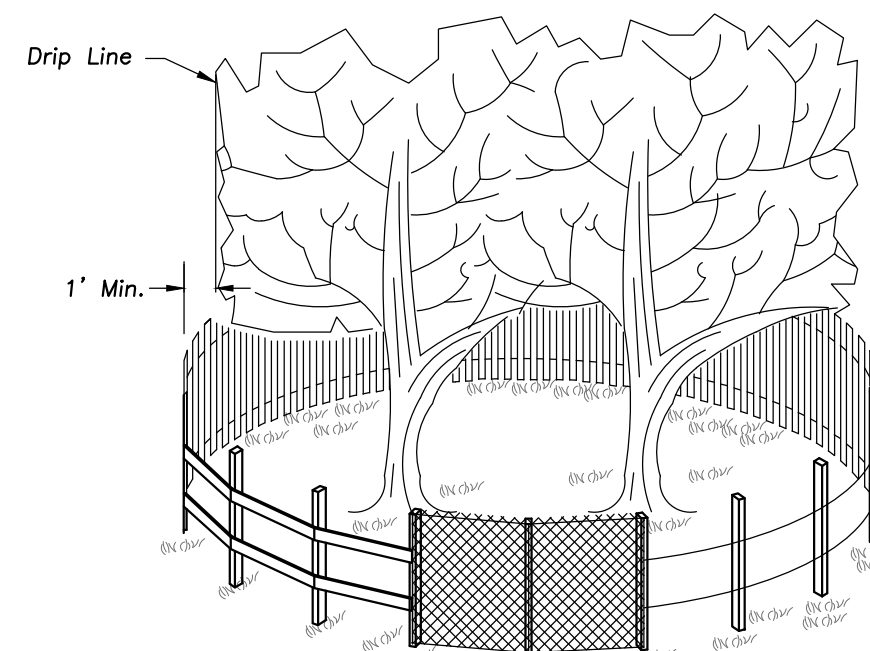
SILT FENCE CONSTRUCTION (AASHTO 288-00)



POST AND FENCE DETAIL

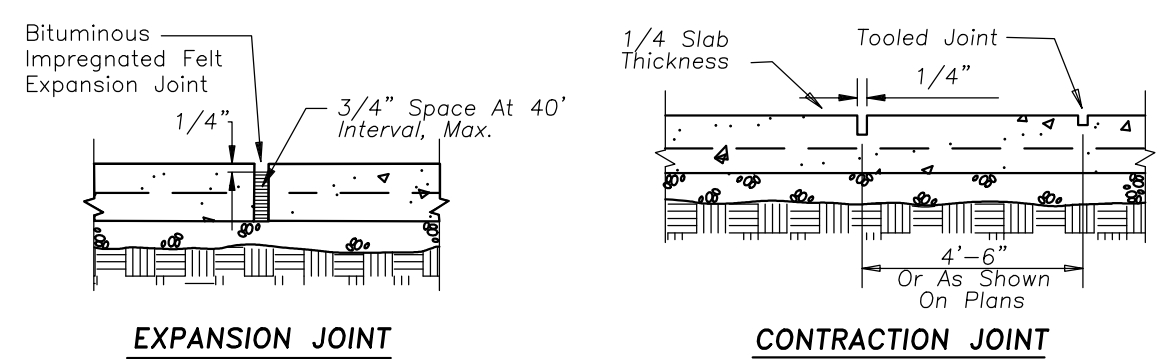
NOTES:
1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
2. Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 3.0 sq. in.
3. The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.

TREE PROTECTION FENCE



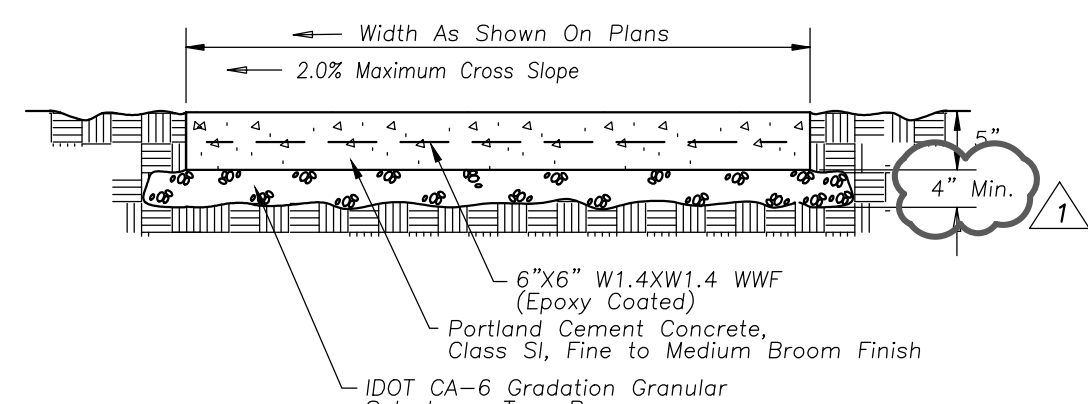
SIDE VIEW

TREE PROTECTION FENCE



EXPANSION JOINT

CONTRACTION JOINT



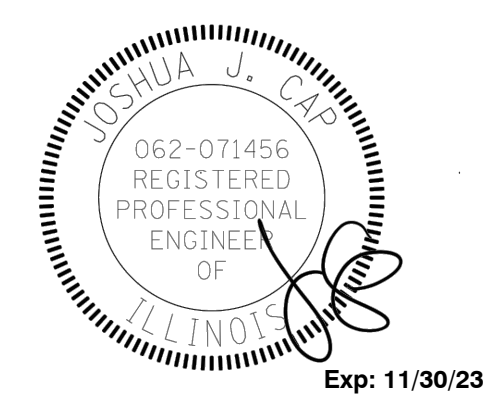
PORTLAND CEMENT CONC. SIDEWALK



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RECREATION COURT IMPROVEMENTS
VIRGINIA TERRACE PARK
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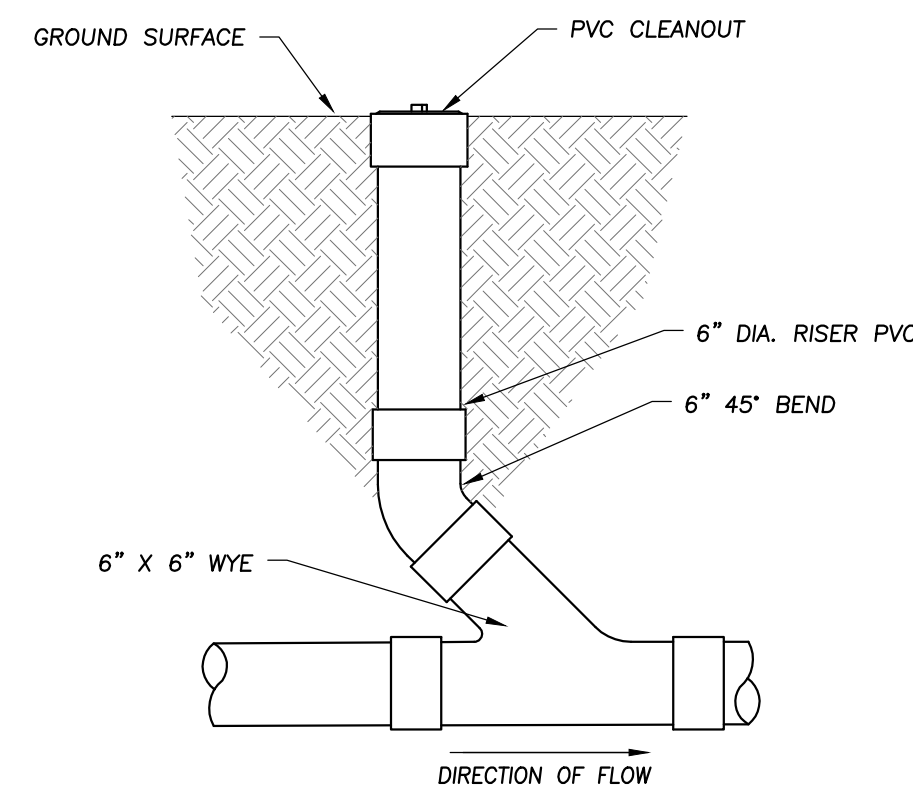
Design By: NH Approved By: JC Date: 02/17/23

Sheet Title:

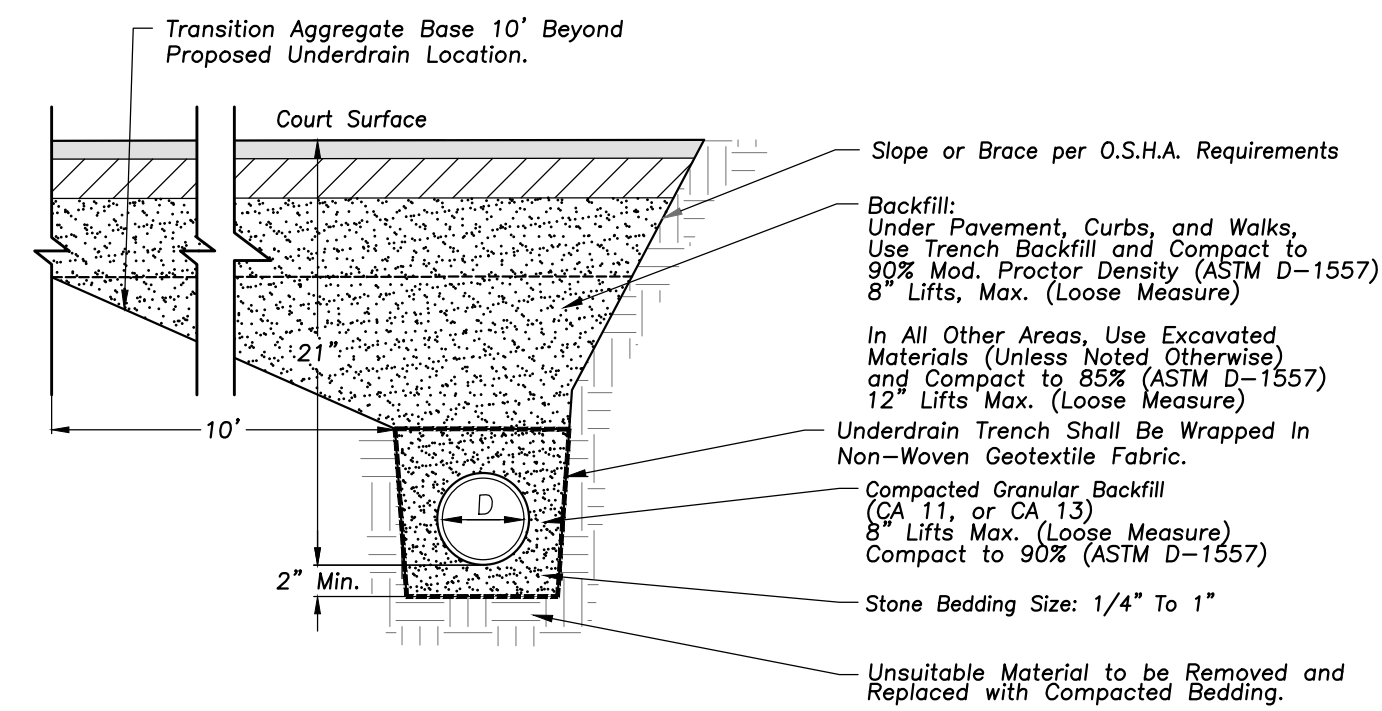
SITE WORK
DETAILS

Sheet No.:

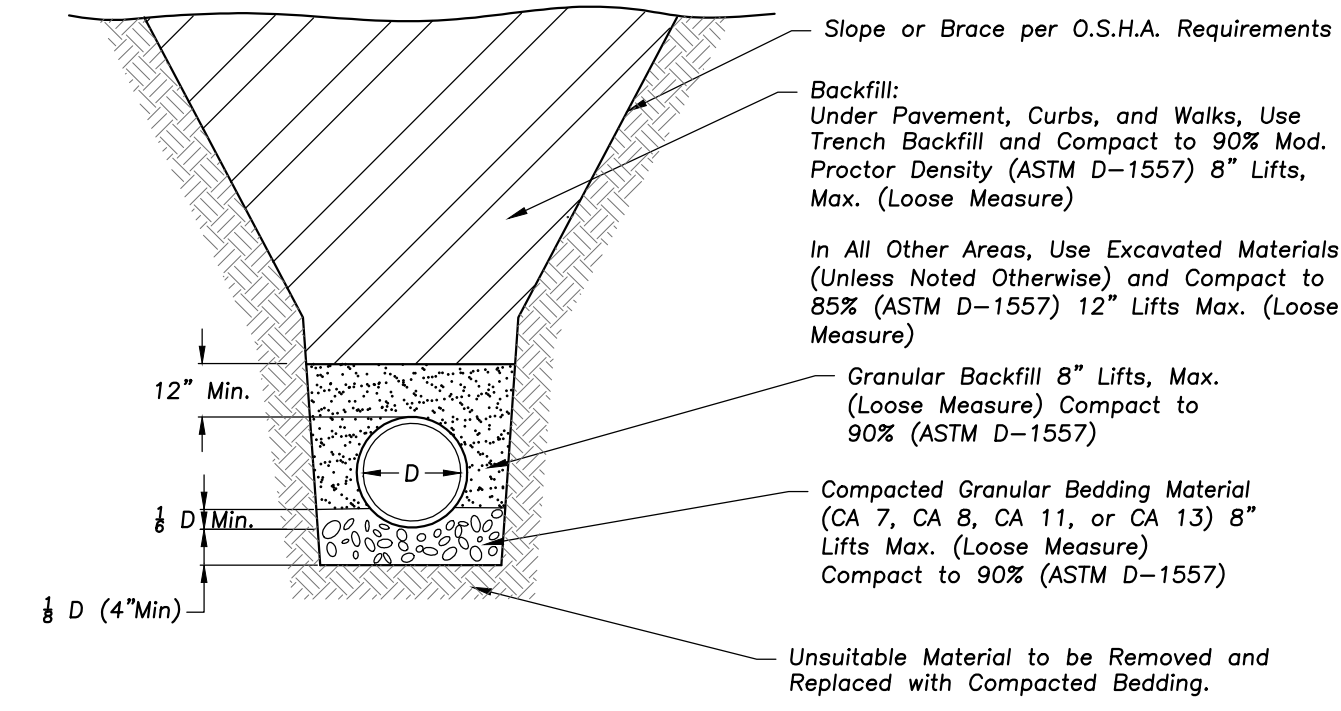
C-V601



PVC CLEANOUT



PVC UNDERDRAIN-TRENCH SECTION



TRENCH SECTION-HDPE PIPE

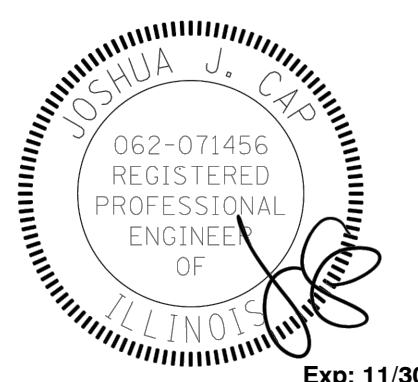


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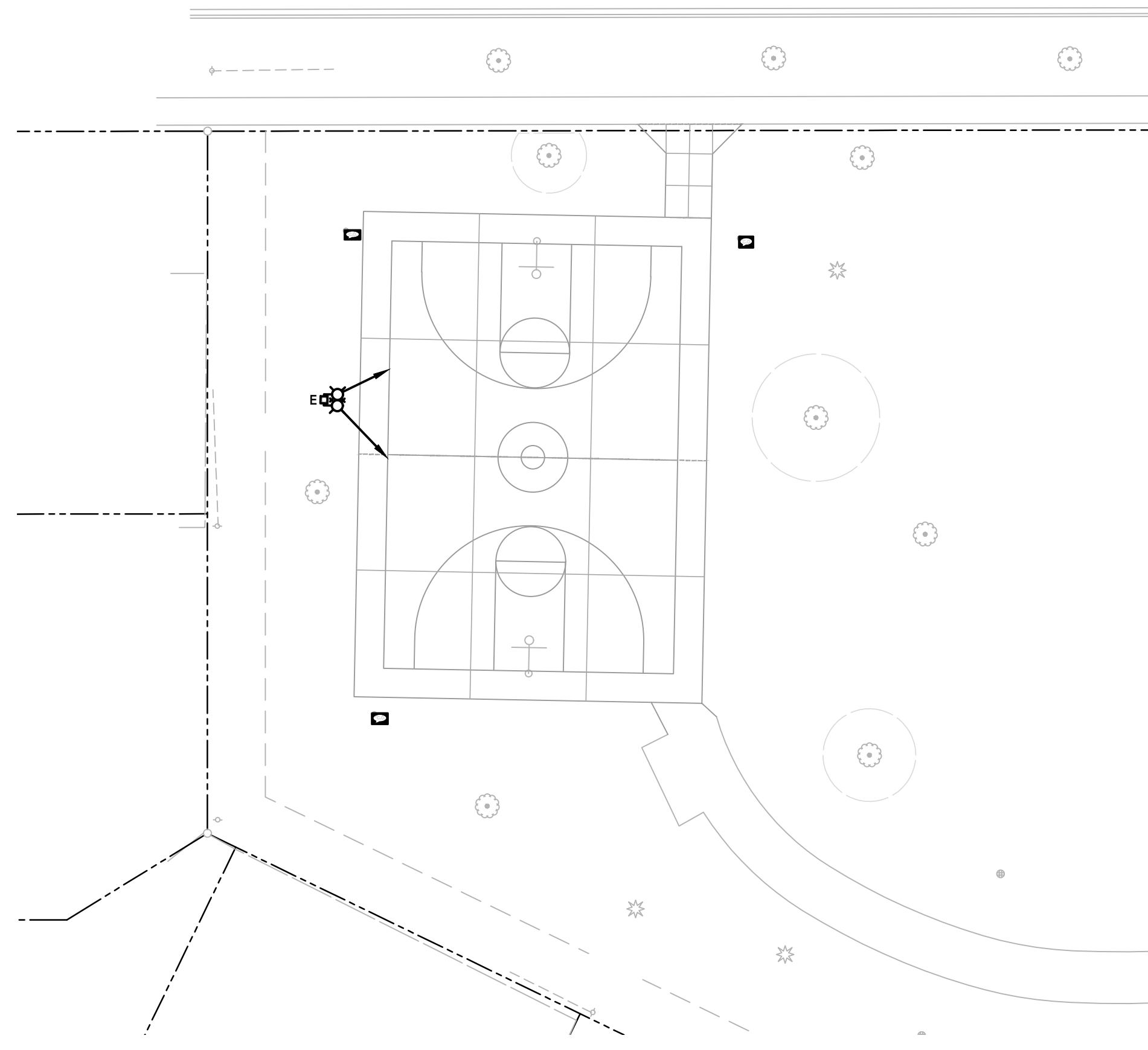
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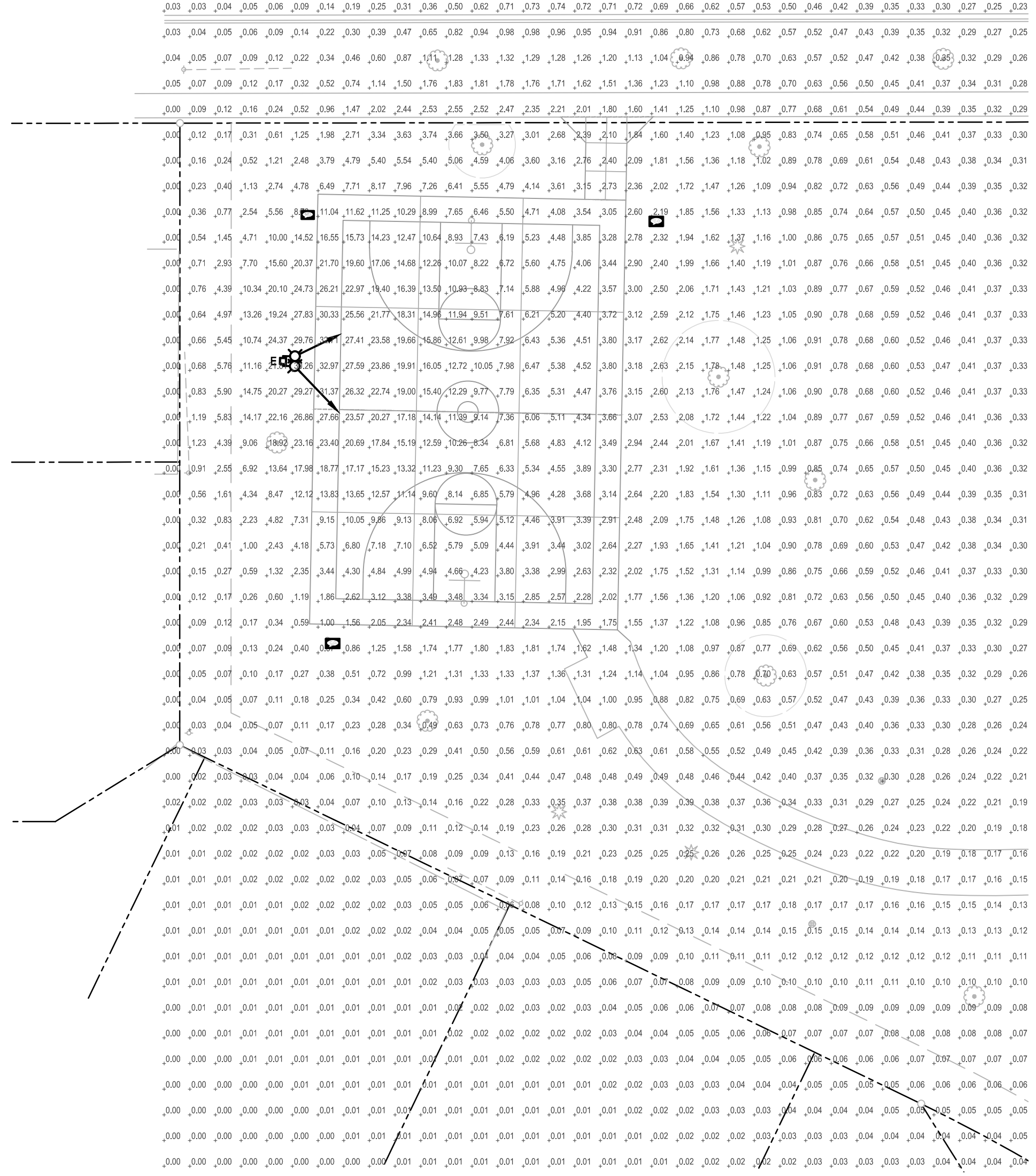
Sheet Title:
**SITE WORK
DETAILS**

Sheet No:
C-V602



ELECTRICAL SITE PLAN
SCALE: 1"=20'-0"

- NOTES:**
- E.C. TO REUSE EXISTING LIGHTING CIRCUIT AND LIGHTING CONTROL CURRENTLY FEEDING EXISTING LIGHTING.
 - E.C. TO PROVIDE NEW POLES AND LUMINAIRES. E.C. TO MATCH EXISTING POLE HEIGHT AND COLOR. PROVIDE NEW CONCRETE BASE IF REQUIRED. FIELD VERIFY EXISTING CONDITIONS.



PHOTOMETRIC SITE PLAN
SCALE: 1"=20'-0"

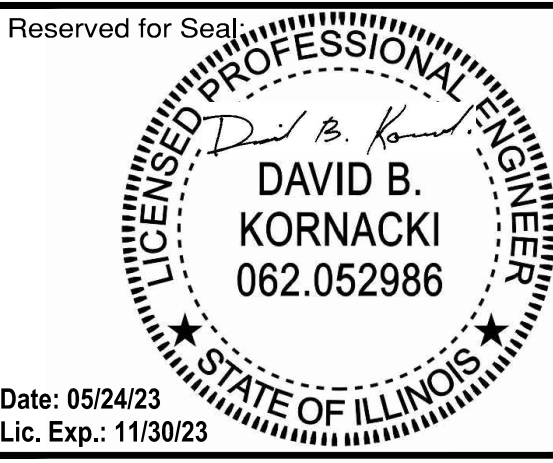
- LIGHTING ANALYSIS NOTES:**
- AVERAGE FOOTCANDLES: 9.28
 - MAXIMUM FOOTCANDLES: 27.59
 - MINIMUM FOOTCANDLES: 2.28
 - MAXIMUM/MINIMUM RATIO: 12.1:1
 - AVERAGE/MINIMUM RATIO: 4.1:1
 - LIGHTING AT PROPERTY LINE IS LESS THAN 0.1 FOOTCANDLES



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**ARLINGTON HEIGHTS PARK DISTRICT
RECREATION COURT IMPROVEMENTS
ALTERNATE 3
VIRGINIA TERRACE PARK
1215 WEST THOMAS STREET
ARLINGTON HEIGHTS, ILLINOIS**



Date: 05/24/23
Lic. Exp.: 11/30/23

No.	Date	Description
	03/07/23	ISSUE FOR PERMIT & BID
△	05/24/23	PERMIT REVIEW COMMENTS

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DESIGN BY: S.M.B. APPROVED BY: D.B.K. DATE: 03/07/23

Sheet Title:
ELECTRICAL SITE PLAN

Sheet No:
E101

Corporation Registration #184.005374
KORNACKI & ASSOCIATES, INC.
Electrical Design Consultants
262-784-3323
K&A #23025A 2845 S. Moorland Rd., New Berlin, WI 53151

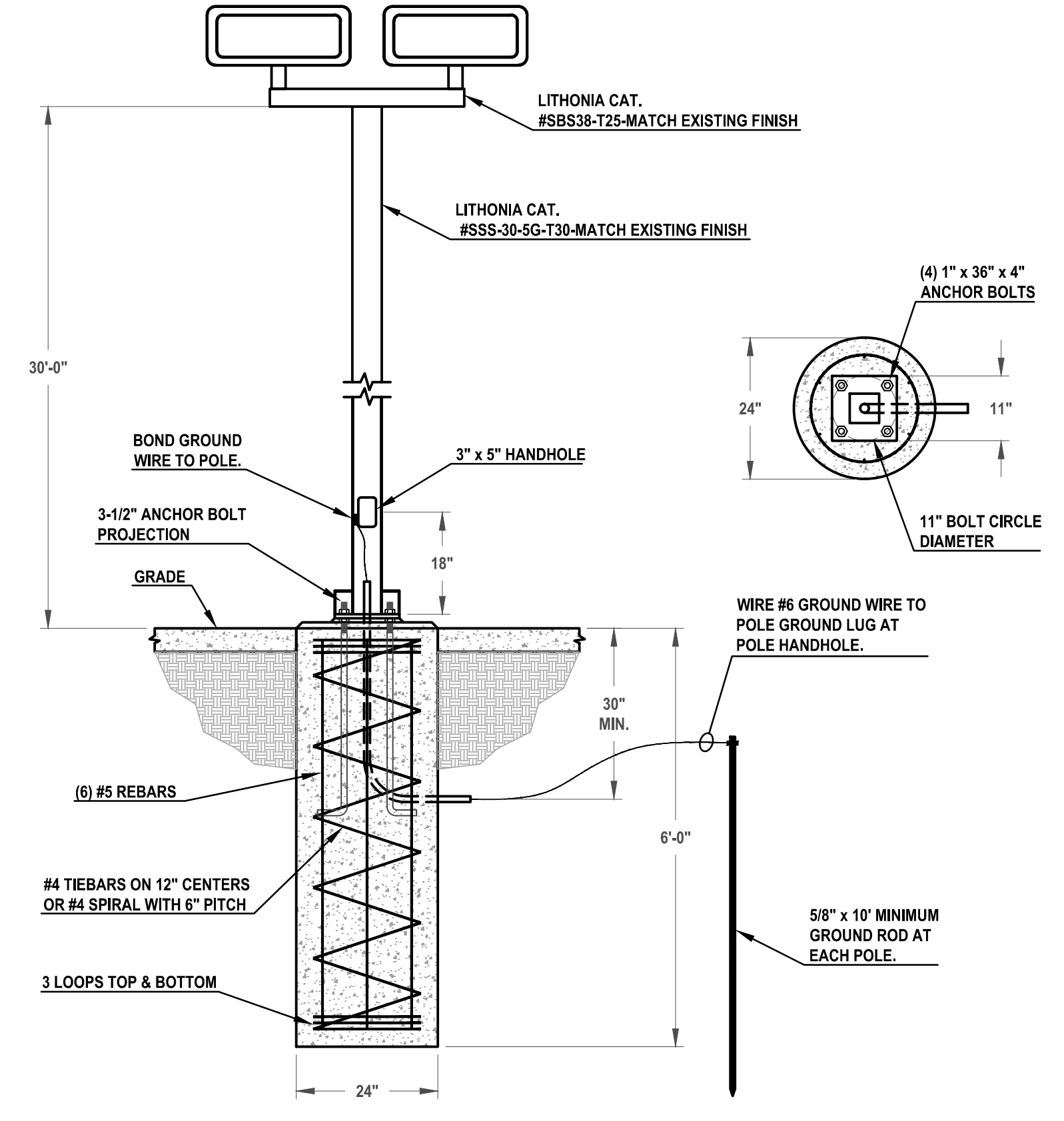
FIXTURE SCHEDULE

TYPE	INPUT WATTS	VOLTS	LUMENS	COLOR TEMP	CRI			DESCRIPTION	MANUFACTURER	CATALOG NUMBER	SHIELDING	FINISH	MOUNTING	CONTROLS		SEE NOTES
					70+	80+	90+							INTEGRAL	REMOTE	
E	(2) 368	VERIFY	52024	5000K				FLOODLIGHT	LITHONIA	(2) HLF1-LED-P5-50K-MFL-MVOLT-IS		MATCH EXISTING	POLE - SEE DETAIL			#1,2

- NOTES:**
- E.C. TO REUSE EXISTING LIGHTING CIRCUIT AND LIGHTING CONTROL CURRENTLY FEEDING EXISTING LIGHTING.
 - E.C. TO PROVIDE NEW POLE AND LUMINAIRE. E.C. TO MATCH EXISTING POLE HEIGHT AND COLOR. PROVIDE NEW CONCRETE BASE IF REQUIRED. FIELD VERIFY EXISTING CONDITIONS.

SYMBOLS / ABBREVIATIONS

---	WALL BRACKET/WALL SCONCE FIXTURE - SEE FIXTURE SCHEDULE
□	SURFACE/PENDANT FIXTURE - SEE FIXTURE SCHEDULE
□	RECESSED DOWNLIGHT FIXTURE - SEE FIXTURE SCHEDULE
○	POLE & LUMINAIRE(S) FIXTURE - SEE FIXTURE SCHEDULE
	SWITCHED CIRCUIT
—	BRANCH CIRCUIT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT INTERRUPTER
AMP	AMPERES/AMPERAGE
AV	AUDIO VISUAL
BB	BATTERY BACKUP
BFC	BELOW FINISHED CEILING
BOL	BUILT-IN OVERLOAD
BRKR	BREAKER
BWE	BAKED WHITE ENAMEL
CBA	COLOR BY ARCHITECT
CP	CONTROL PANEL
CRCT	CIRCUIT
CTL	CONTROL
DCEP	DOCK EQUIPMENT CONTROL PANEL
DISC	DISCONNECT
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
ER	EXISTING RELOCATED
ETC	ELECTRONIC TIME CLOCK CONTROL
EX	EXISTING TO REMAIN
EXD	EXISTING TO BE DEMO'D
EXR	EXISTING TO BE RELOCATED
EWC	ELECTRIC WATER COOLER
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FLSW	FLOAT SWITCH
FFC	FIRE PROTECTION CONTRACTOR
FURN	FURNISHED
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HOA	HAND-OFF-AUTOMATIC SWITCH
HP	HORSEPOWER
HVAC	HEATING AND VENTILATING CONTRACTOR
IG	ISOLATED GROUND
INT	INTEGRAL
IR	IN ROOM
IU	IN UNIT
JBS	JUNCTION BOX
KW	KILOWATTS
LCP	LIGHTING CONTROL PANEL
LOC	LOCATION
LT	LOW TEMPERATURE
LTSW	LIGHT SWITCH
LVT	LOW VOLTAGE THERMOSTAT
MAG	MAGNETIC STARTER
MAN	MANUAL STARTER
MCA	MINIMUM CIRCUIT AMPS
MSPL	MANUAL STARTER WITH PILOT LIGHT
NL	NIGHT LIGHT
NU	NEAR UNIT
OH	OVERHEAT PROTECTION
OS	OCCUPANCY SENSOR
OU	ON UNIT
PB	PUSH BUTTON
PC	PLUMBING CONTRACTOR
PESH	PNEUMATIC ELECTRIC SWITCH
PHOTO	PHOTOCELL
PW	PREWIRED
RC	REFRIGERATION CONTRACTOR
RCC	REFRIGERATION CONTROL CONTRACTOR
RECEPT	RECEPTACLE
SBA	SELECTED BY ARCHITECT
SC	SEPARATE CIRCUIT
SPSW	SPEED SWITCH
SS	SOFT START
ST	SHUNT TRIP
SW	SWITCH
T	LINE VOLTAGE THERMOSTAT TO BE DETERMINED
TBD	TO BE DETERMINED
TC	TIME CLOCK
TCC	TEMPERATURE CONTROL CONTRACTOR
TCP	TEMPERATURE CONTROL PANEL
UM	UNIT MANUFACTURER
UNO	UNLESS NOTED OTHERWISE
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
WP	WEATHER PROOF ("WHILE-IN-USE")
XFMR	TRANSFORMER



1 ELECTRICAL FIXTURE TYPE 'E' MOUNTING DETAIL NOT TO SCALE

HLF1 High Lumen LED Floodlight

Specifications

EPA: 3.5 ft² (0.33 m²) (H2 @ 45°)

Depth: 9.1" (23.1 cm)

Width: 24.5" (62.2 cm)

Height: 10.2" (25.9 cm)

Overall Height: 18.1" (46.0 cm)

Weight: 53 lbs (24.0 kg) (IS mount)

Introduction

The HLF LED Flood family offers maximum versatility for high output floodlighting design and renovation applications. HLF precision optics offer vast design capabilities while delivering significant energy savings and long life. The HLF1 delivers 25,000 to 50,000 lumens allowing it to replace 400W and 1000W HID floodlights.

The HLF features an adjustable integral splitter that allows the luminaire to be mounted on a 2-3/8" OD stem. Integral cover/wire box serves as an approved splice compartment allowing for fast, easy mounting and wiring without opening the electrical compartment. A steel yoke mount with water-tight SO cord is also available. All configurations are made in North America allowing for quick delivery.

Ordering information **EXAMPLE: HLF1 LED P5 40K WFL MVOLT IS DDBXD**

Series	Performance package	Color temperature	Distribution	Voltage	Mounting	Shipped included
HLF1 LED	P1	30K 3000K	WFL Wide flood (7x7)	MVOLT ¹	IS	Integral splitter (Sto. 3-3/8" O.D. lens)
	P2	40K 4000K	MFL Medium flood (6x6)	208 ²	IS	Integral splitter (Sto. 3-3/8" O.D. lens)
	P3	50K 5000K	MNFL Medium narrow flood (8x8)	208 ²	YK64	Yoke with 4ft. 16-3-32 cord
	P4		NFL Narrow flood (47)	208 ²		
	P5		SP Spot (29)	277 ¹		
			NSP Narrow spot (18)	347 ¹		
				480 ¹		

Options	Finish request
Shipped installed	
PSB ² Seven wire stainless steel only (various colors separate) ¹⁴	
SF Single face (120, 277, 347V) ¹	
DF Double face (120, 240, 480V) ¹	
DMG 0-10V load was extended (no controls) ¹	
WBV Upper/bottom view (universal)	DOBK Dark bronze
FV Full view	DBLD Black
WG Wire guard	DNAD Natural aluminum
VG Vandal guard (polycarbonate)	DWHD White

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HLF1 Rev. 04/27/2022 Page 1 of 6

SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. Example: SSS 20 SC DM19 DDBXD

Series	Nominal fixture mounting height	Nominal shaft base (size/wall thickness)	Mounting ¹	Options	Finish ²
SSS ¹	10'-30" (for 1/2" increments, add 6" to pole height. Ex. 20'-6" equals 20ft6in.)	4C 4" 1/4" (0.120") 4G 4" 7/8" (0.179") 5C 5" 1/4" (0.120") 5G 5" 7/8" (0.179") 6E 6" 7/8" (0.179")	P1 Open top (includes top cap)	ASB ³ Suspend drill mounting ⁴ DM19AST 1 at 90° DM28AST 2 at 90° DM35AST 2 at 90° DM39AST 2 at 90° DM49AST 2 at 90° DM69AST 2 at 90° DM99AST 2 at 90° DM19AST 1 at 90° DM28AST 2 at 90° DM35AST 2 at 90° DM39AST 2 at 90° DM49AST 2 at 90° DM99AST 2 at 90° DM19AST 1 at 90° DM28AST 2 at 90° DM35AST 2 at 90° DM39AST 2 at 90° DM49AST 2 at 90° DM99AST 2 at 90°	Super durable paint colors DOBK Dark bronze DBLD Black DNAD Natural aluminum DWHD White DSDO Sandstone DCGO Charcoal gray DBKD Bright red DSLD Steel blue DBTKD Textured dark bronze DBLKD Textured black DNATD Textured natural aluminum Other finishes GALV Galvanized finish Architectural colors and special finishes Paint over galvanized, RAL Colors, Custom Colors and Extended Warranty finishes available.
	See technical information table for complete ordering information.)	See technical information table for complete ordering information.)	T10 2-3/8" O.D. (2" NPS) T25 2-1/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAL/KAS/KSL/KSK/KV/KVYE Drill mounting ⁵ DM19 1 at 90° DM28 2 at 90° DM35 2 at 90° with one side plugged DM39 3 at 90° DM49 4 at 90° DM99 2 at 90° DM19AS 1 at 90° DM28AS 2 at 90° DM35AS 2 at 90° DM39AS 2 at 90° DM49AS 2 at 90° RAD drill mounting ⁶ DM19RAD 1 at 90° DM28RAD 2 at 90° DM35RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX drill mounting ⁷ DM19ESX 1 at 90° DM28ESX 2 at 90° DM35ESX 2 at 90° DM39ESX 2 at 90° DM49ESX 2 at 90°	Shipped installed VD Vibration damper ⁸ Hky Horizontal arm bracket (1 frame) ⁹ FKxy Feature on/off less electrical ¹⁰ CR12xy 1/2" coupling ¹¹ CR13xy 3/4" coupling ¹¹ CR14xy 1" coupling ¹¹ NPL12xy 1/2" threaded nipple ¹² NPL14xy 3/4" threaded nipple ¹² NPL1xy 1" threaded nipple ¹² Ehxy Extra handhole ¹³ STHNC Steel handhole cover (standard in plastic, finish is smooth) FCSTLJPC 2 Piece steel base cover (standard in plastic) IC Interior coating ¹⁴ L/AB Less anchor bolts (include when anchor bolts are not needed) TP Tampo resistant handhole cover fasteners NEC NEC NEMA compliant galvanized handhole (Not UL Labeled) UL UL listed with label (includes NEC compliant cover) BAA Buy America's Act Compliant ¹⁵	

- NOTES:**
- Handhole covers (HNC), ball base covers (FKC) and top caps (TC) shipped separately. No need to call out in nomenclature. For additional part please order or replacement.
 - Wall thickness will be sigified with a "C" (11 Gauge) or a "G" (12 Gauge) in nomenclature. "C" - 0.120" | "G" - 0.119"
 - P1 open top poles include top cap. When ordering bottom mounting and drill mounting for the same pole, follow this example: DM19T25. The combination includes 2 required extra handholes.
 - Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
 - All RAD drillings require a minimum top O.D. of 4".
 - Insert "1" or "2" to designate fixture size (e.g. DM19AS12).
 - 0.6" or 4" poles (S) cannot be installed if previous: DBH, FL, NPL, CRP are located higher than 2/3 of the pole's total height. Example: Pole height is 25ft. A provision cannot be placed above 16ft.
 - Specify location and orientation when ordering option.
 - For "H" Specify height above the base of pole in feet and inches, separate feet and inches with a "-" Example: 5ft - 3 in = 5'04.000 ft = 20'-3"
 - For "xy" Specify orientation from handholes (A,B,C,D) Refer to the Handhole Orientation diagram below. Example: 1/2" coupling at 1' 3", orientation C = CR12/5-C"
 - Horizontal arm is 18" x 2-3/8" O.D. (from standard, with radius curve providing 12" rise and 2-3/8" O.D. if ordering two horizontal arm at the same height, specify with Hky. Example: Hky250)
 - FDL does not come with GFI outlet or handhole cover. These must be supplied by contractor or electrician.
 - Combination of top cap and drill mount includes extra handhole. DM includes cover.
 - Provide enhanced corrosion resistance.
 - Use when not certified are required.
 - Finish must be specified. Additional colors available: see Architectural Colors brochure linked here (Form No. 794-3). Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: Order as separate catalog number.
PL D70N Plegs for ESX drillings
PL D78 Plegs for DMAS drillings

POLE-SSS

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POLE-SSS

LITHONIA LIGHTING

FEATURES & SPECIFICATIONS

INTENDED USE — For steel or concrete poles.

CONSTRUCTION — Body is constructed from A500 Grade B steel tubing. Welding follows industry standards best practices. Bracket is galvanized (per ASTM A-123) or painted after fabrication.

FINISH — Extra durable standard powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-Dipped Galvanized, Paint over Hot-Dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory applied primer paint finish is available for customer field-paint applications.

INSTALLATION — Mounting hardware included.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

SBS
STEEL (SBS) SQUARE BULLHORN

(See next page for dimensions and drawings.)

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. Example: SBS28 DDBXD

Series	Tennis splitter size	Finish ¹
SBS28 2 in line	(24inx) T20 2-1/2" L.D.	Super durable colors
SBS32 3 at 120°	T25 3-1/8" L.D.	DOBK Dark bronze
SBS38 3 in line	T35 4-1/4" L.D.	DBLD Black
DNAD		Natural aluminum
DWHD		White
DBTKD		Textured dark bronze
DBLKD		Textured black
DNATD		Textured natural aluminum
DWHDSD		Textured white
Other finishes		Other finishes
GALV		Galvanized steel
PRIME		Primer finish
OPRAL		Red primer
Architectural colors and special finishes		Architectural colors and special finishes
Paint over galvanized, RAL colors, custom colors and extended warranty finishes available.		Paint over galvanized, RAL colors, custom colors and extended warranty finishes available.

Refer to POLE-SS: spec sheet for reference

NOTES:

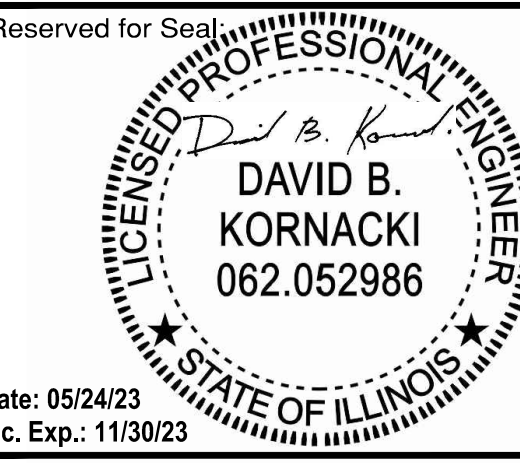
- Finish must be specified. Additional colors available see Architectural Colors brochure linked here (Form No. 794-3).

LITHONIA LIGHTING POLE-SSS



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**ARLINGTON HEIGHTS PARK DISTRICT
RECREATION COURT IMPROVEMENTS
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VIRGINIA TERRACE PARK
1215 WEST THOMAS STREET
ARLINGTON HEIGHTS, ILLINOIS**



Date: 05/24/23
Lic. Exp.: 11/30/23

No.	Date	Description
	03/07/23	ISSUE FOR PERMIT & BID
	05/24/23	PERMIT REVIEW COMMENTS

Design By: S.M.B.	Approved By: D.B.K.	Date: 03/07/23
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Sheet Title:

SCHEDULES & DETAILS

Sheet No:

E102

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