SITE PLAN
OF
LAKELAND HIGH SCHOOL
TENNIS COURT MAINTENANCE REPAIRS & RESURFACING
SUFFOLK, VIRGINIA

CIVIL LEGEND

	NEW
MANHOLE	●
SANITARY CLEANOUT	■
VALVE	⊖
WATER METER	●
FIRE HYDRANT	
WELL	
DROP INLET	▤ ⊜
CURB INLET	▣
GAS METER	
POWER POLE	
LIGHT POLE	✱
LIGHT POLE /CONCRETE BASE	
PEDESTAL	
CURB AND GUTTER	═══
FENCE	—x—x—
PROPERTY LINE	———
BUILDINGS	▭
STORM SEWER	ST
SANITARY SEWER	SS
WATER	W
ELECTRIC & TELEPHONE LINE	
TRAFFIC BOX	
SIGN	
TREE	
BUSH	
PAVEMENT	▬
CONCRETE	▭
TEMPORARY BENCHMARK (TBM)	⊕
ELEVATIONS	10.0
TOP OF CURB ELEVATIONS	TC 10.50 / 10.00
TOP OF WALK ELEVATIONS	TW 10.50 / 10.00
SILT FENCE	—X—X—
UNLESS NOTED OTHERWISE	UNO
DIGITIZED ACCORDING TO RECORD	DATR

HYDRAULIC SOIL GROUP (HSG) DELINEATION

SHEET INDEX

SHEET	TITLE
C-001	COVER SHEET
C-002	OVERALL LAYOUT
V-101	EXISTING CONDITIONS
CD101	DEMOLITION, EROSION & SEDIMENT CONTROL PLAN
CS101	SITE PLAN
C-501	DETAILS
C-502	DETAILS

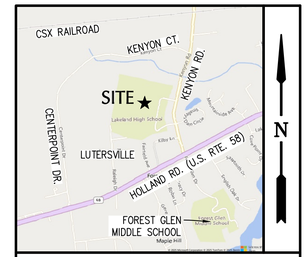
SITE DATA

SITE ADDRESS:	214 KENYON RD SUFFOLK, VA 23434
TAX MAP:	33*11*H
PARCEL ID:	27498
USE:	LOCAL GOVERNMENT HIGH SCHOOL

PROJECT DATA

ARCHITECT: RRMM ARCHITECTS
1317 EXECUTIVE BLVD, SUITE 200
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 622-2828

CIVIL DESIGNER: MSA, PC
5032 ROUSE DRIVE, SUITE 200
VIRGINIA BEACH, VIRGINIA 23462
PHONE: (757) 490-9264



LOCATION MAP – SCALE: 1" = 2,000'

Map data (c) OpenStreetMap contributors, Microsoft, Facebook, Google, Esri Community Maps contributors, Map layer by Esri Powered by Esri

SURVEY NOTES:

1. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE MAY NOT SHOW ANY/ALL EASEMENTS OR RESTRICTIONS THAT MAY AFFECT THE PROPERTY AS SHOWN.
2. THIS PROPERTY APPEARS TO FALL IN FLOOD ZONE X AS SHOWN ON PANEL 0210D OF THE FLOOD INSURANCE RATE MAPS FOR THE CITY OF SUFFOLK, COMMUNITY NO.: 510156, DATED 11/16/2021. FLOOD ZONE INFORMATION SHOWN HEREON IS NOT GUARANTEED AND WAS APPROXIMATELY SCALED FROM THE FLOOD INSURANCE RATE MAPS FOR THE CITY/COUNTY INDICATED. MSA IS NOT A PARTY IN DETERMINING THE REQUIREMENTS FOR FLOOD INSURANCE ON THE PROPERTY SHOWN. FOR FURTHER INFORMATION AND TO CONFIRM THE FLOOD ZONE FOR THIS PROPERTY, CONTACT THE LOCAL COMMUNITY FLOOD OFFICIAL. FLOOD ZONE DETERMINATION IS BASED ON THE FLOOD INSURANCE RATE MAPS AND DOES NOT IMPLY THAT THIS PROPERTY WILL OR WILL NOT BE FREE FROM FLOODING OR DAMAGE.
3. NORTH MERIDIAN SHOWN HEREON IS BASED ON VIRGINIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE NAD83/94 (HARN). COORDINATE VALUES AND LENGTHS/DISTANCES SHOWN ARE EXPRESSED IN U.S. SURVEY FEET.
4. ELEVATIONS SHOWN HEREON BASED ON NAVD88 AND WERE ESTABLISHED FROM CITY OF SUFFOLK, VIRGINIA VERTICAL CONTROL STATION 150-R, ELEVATION=69.0 (GPS DERIVED).
5. THIS SURVEY DOES NOT ADDRESS THE EXISTENCE OR NONEXISTENCE OF WETLANDS, ENVIRONMENTAL HAZARDS, CEMETERIES OR ANY UNDERGROUND STRUCTURE NOT OBSERVED DURING THE COURSE OF THE SURVEY.
6. LOCATION OF UNDERGROUND NON-GRAVITY UTILITIES SHOWN ARE BASED ON SURFACE INDICATIONS LOCATED BY MSA. THE SURVEYOR MAKES NO GUARANTEE THAT ALL UTILITIES, ACTIVE OR ABANDONED, ARE SHOWN, NOR THAT SHOWN LOCATIONS ARE EXACT. PIPE MATERIAL TYPES/SIZES FOR UNDERGROUND GRAVITY UTILITIES ARE NOT GUARANTEED IN CONFINED AREAS.
7. THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF GREGORY M. ZOBY, L.S. (LIC. NO. 2991) FROM AN ACTUAL GROUND/AIRBORNE SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED ON OCTOBER 3, 2025; AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

PLAN STATUS

DATE	INITIAL	DESCRIPTION
12/11/2025	GBH	PRE-FINAL SET
01/19/2026	GBH	BID SET

mark	date	by	description
revisions			

DATE	01/19/2026	-	-
PROJECT		-	-
DESIGNED		-	MSA
DRAWN		-	GBH
CHECKED		-	

RRMM® ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757)622-2828

COMMONWEALTH OF VIRGINIA
GREGORY B. HAYES
Lic. No. 036291
01/19/2026
PROFESSIONAL ENGINEER

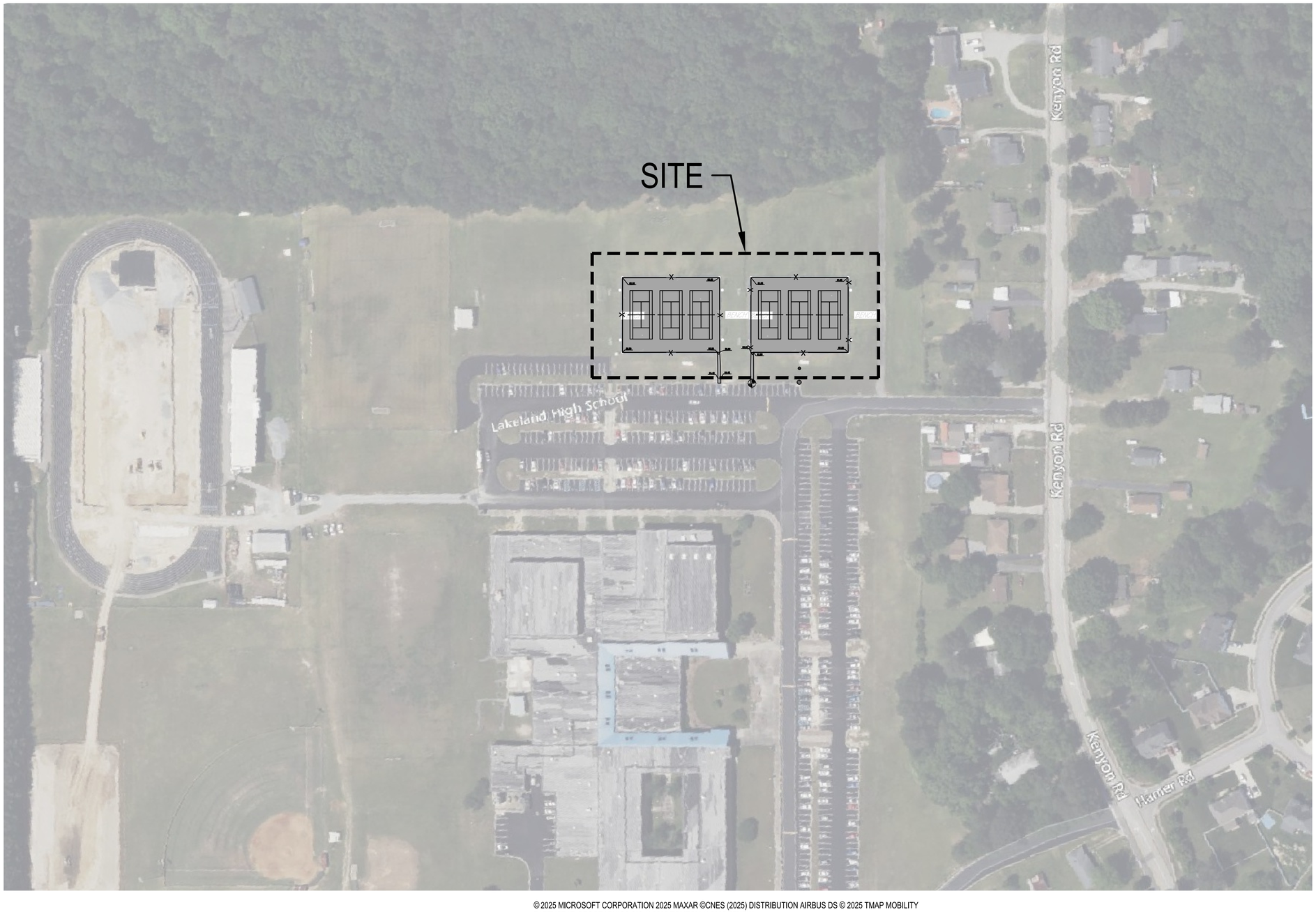
MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462
757.490.2564 | MSAONLINE.COM

PROJECT: LAKELAND HIGH SCHOOL TENNIS COURT MAINTENANCE
SUFFOLK PUBLIC SCHOOLS
214 KENYON RD
SUFFOLK, VIRGINIA
VIRGINIA DEPARTMENT OF EDUCATION:
DRAWING: COVER SHEET

SHEET
C-001

MSA PROJ# 21136H

FILE NAME: I:\Projects\21136 Lakeland HS Tennis Court Reno\Engineering\Drawings & Exhibits\DWG\21136 Cover & Details.dwg LAYOUT NAME: C-001 PLOTTED: Thursday, January 15, 2026 - 2:37pm



SEE NOTE #3

© 2025 MICROSOFT CORPORATION 2025 MAXAR ©CNES (2025) DISTRIBUTION AIRBUS DS © 2025 TMAP MOBILITY
EARTHSTAR GEOGRAPHICS SIO © 2025 TOMTOM © 2025 ZENRIN

80' 0' 80' 160'
GRAPHIC SCALE
1" = 80'

FB 634, PG 17-18

mark	date	by	description
revisions			

DATE	01/19/2026		
PROJECT	-		
DESIGNED	-	MSA	
DRAWN		MSA	
CHECKED		GBH	

RRMM®
ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757)622-2828

COMMONWEALTH OF VIRGINIA
GREGORY B. HAYES
Lic. No. 036291
01/19/2026
PROFESSIONAL ENGINEER

MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5052 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462
757-490-2964 | MSAONLINE.COM

PROJECT
LAKELAND HIGH SCHOOL TENNIS COURT MAINTENANCE
SUFFOLK PUBLIC SCHOOLS
214 KENYON RD
SUFFOLK, VIRGINIA
VIRGINIA DEPARTMENT OF EDUCATION:

DRAWING
OVERALL LAYOUT

SHEET
C-002

MSA PROJ# 21136H

FILE NAME: I:\Projects\21136\ Lakeland HS Tennis Court Reno\Engineering\Drawings & Exhibits\DWG\21136\ Site Plan.dwg LAYOUT NAME: C-002 PLOTTED: Thursday, January 15, 2026 - 2:37pm

LEGEND

SYMBOL/ABBREVIATION ..... DESCRIPTION			
WM ..... WATER METER	FH ..... FIRE HYDRANT		
FDC ..... FIRE DEPARTMENT CONNECTION	WELL ..... WELL		
MW ..... MONITOR WELL	WMH ..... WATER MANHOLE		
WV ..... WATER VALVE	SPIGOT ..... SPIGOT		
SMH ..... SANITARY MANHOLE	SCO ..... SANITARY CLEANOUT		
SV ..... SANITARY VALVE	FMV ..... FORCE MAIN VALVE		
LP ..... LIGHT POLE	GL ..... GROUND LIGHT		
GW ..... GUY WIRE	TRANSFORMER ..... TRANSFORMER	ELECTRIC METER ..... ELECTRIC METER	
PP ..... POWER POLE	EBOX ..... ELECTRIC BOX		
COMM BOX ..... COMMUNICATIONS BOX			
TPED ..... TELEPHONE PEDESTAL	TMH ..... TELEPHONE MANHOLE		
CPED ..... CABLE TV PEDESTAL	CTV BOX ..... CABLE TV BOX		
GM ..... GAS METER	GV ..... GAS VALVE	FILLER CAP ..... FILLER CAP	
DI ..... DROP INLET 1	DI ..... DROP INLET 2		
DI ..... DROP INLET 3	CB ..... CATCH BASIN		
RD ..... ROOF DRAIN	SCO ..... STORM CLEANOUT		
STM ..... STORM MANHOLE	YD ..... YARD DROP INLET		
FES ..... FARED-END SECTION	PE ..... PIPE END (CONTINUES)		
AC ..... AC UNIT	MH ..... MANHOLE	POST ..... POST	
BOL ..... BOLLARD	WITPST ..... WITNESS POST		
BOR ..... BORING	SIGN ..... SIGN	MB ..... MAIL BOX	
EVERGREEN TREES .... DECIDUOUS	BUSH ..... BUSH/HEDGE	WOODS LINE/ WOODED ..... WOODS LINE/ WOODED	

	CURB AND GUTTER
	CONCRETE
	PAVEMENT
	BRICK
	GRAVEL
X	FENCE
	GUARDRAIL
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	BUILDINGS
	TOP OF BANK
	TOP OF SLOPE
	℄ OF DITCH
	℄ OF SWALE
	WATER/HYDROGRAPHIC FEATURE
	WETLANDS
(SD)12" RCP (PX)	STORM SEWER PIPE LABEL (SIZE, TYPE, ID)
W	WATER LINE
SS	SANITARY SEWER
8" PVC (PX)	PIPE LABEL (SIZE, TYPE, ID)
UGC	UNDERGROUND CABLE
OHC	OVERHEAD CABLE
OHT	OVERHEAD TELEPHONE
UGFO	UNDERGROUND FIBER OPTIC
UGT	UNDERGROUND TELEPHONE
UGG	UNDERGROUND GAS
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
FM	FORCE MAIN
STM	STEAM LINE
UNK	UNDERGROUND UNKNOWN UTILITY
UGTC	UNDERGROUND TRAFFIC CONTROL

TBM ..... TEMPORARY BENCHMARK (TBM)	10.00 ..... ELEVATIONS
TC 10.00 ..... TOP OF CURB ELEVATIONS	# ..... UTILITY STRUCTURE ID
FL 9.50 ..... FLOW LINE ELEVATIONS	
TW 10.00 ..... TOP OF WALL ELEVATIONS	
TH ..... TEST HOLE W/ID NO.	

SURVEY CONTROL LEGEND & BEARING/DISTANCE ABBREVIATION LEGEND

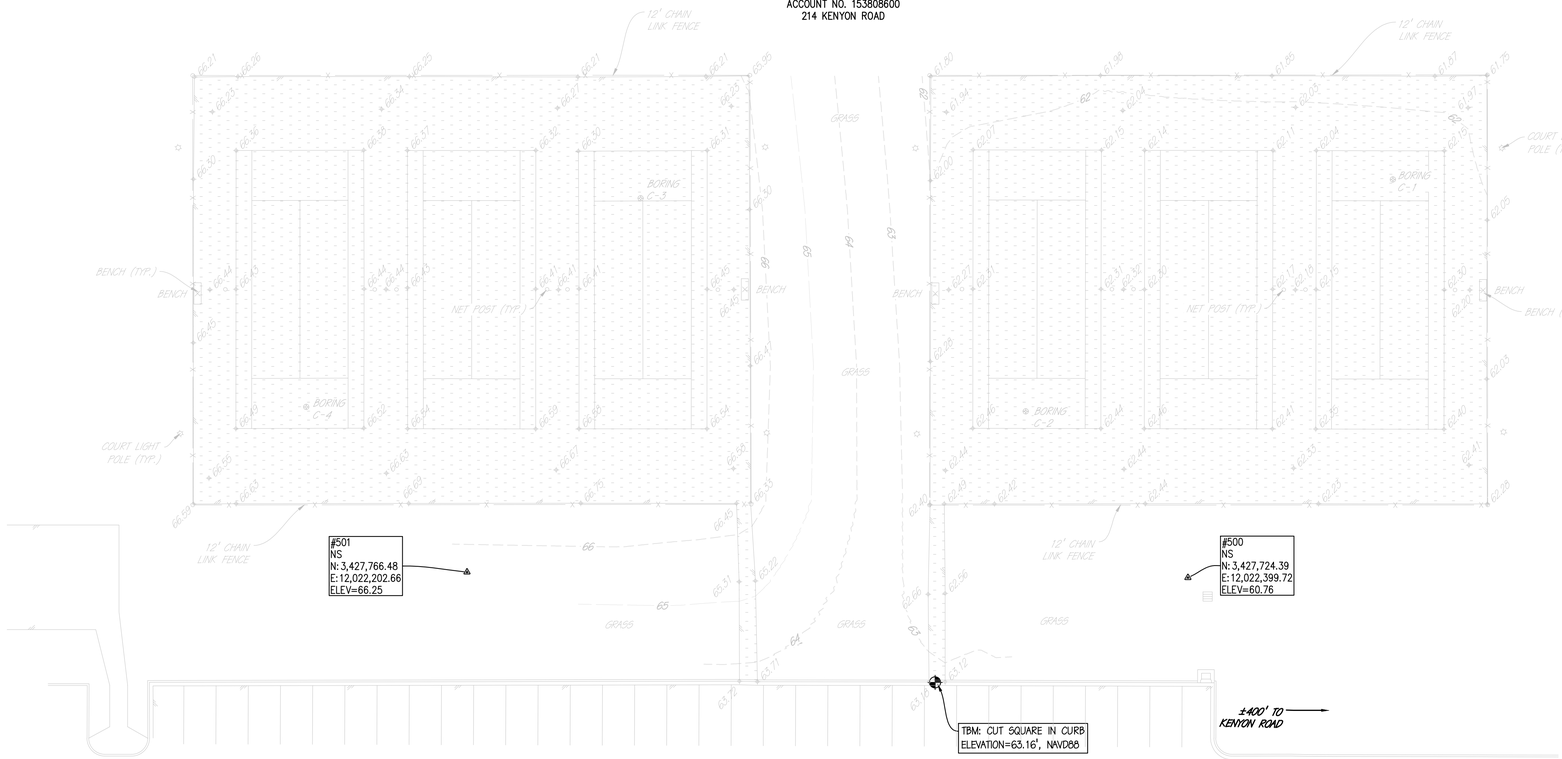
SYMBOL/ABBREVIATION ..... DESCRIPTION			
PIN(F) ..... IRON PIN FOUND		PIN(S) ..... IRON PIN SET	
NAIL(F) ..... NAIL FOUND		NAIL(S) ..... NAIL SET	
DH(F) ..... DRILL HOLE FOUND		DH(S) ..... DRILL HOLE SET	
MON(F) ..... MONUMENT FOUND		MON(S) ..... MONUMENT SET	
(UTA) ..... UNABLE TO ACCESS	(C) ..... CALCULATED		
(P) ..... PLAT	(F) ..... FIELD	(D) ..... DEED	(O/A) ..... OVERALL

NOTES:

1. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE MAY NOT SHOW ANY/ALL EASEMENTS OR RESTRICTIONS THAT MAY AFFECT THE PROPERTY AS SHOWN.
2. THIS PROPERTY APPEARS TO FALL IN FLOOD ZONE X AS SHOWN ON PANEL 0210D OF THE FLOOD INSURANCE RATE MAPS FOR THE CITY OF SUFFOLK, COMMUNITY NO.: 510156, DATED 11/16/2021. FLOOD ZONE INFORMATION SHOWN HEREON IS NOT GUARANTEED AND WAS APPROXIMATELY SCALED FROM THE FLOOD INSURANCE RATE MAPS FOR THE CITY/COUNTY INDICATED. MSA IS NOT A PARTY IN DETERMINING THE REQUIREMENTS FOR FLOOD INSURANCE ON THE PROPERTY SHOWN. FOR FURTHER INFORMATION AND TO CONFIRM THE FLOOD ZONE FOR THIS PROPERTY, CONTACT THE LOCAL COMMUNITY FLOOD OFFICIAL. FLOOD ZONE DETERMINATION IS BASED ON THE FLOOD INSURANCE RATE MAPS AND DOES NOT IMPLY THAT THIS PROPERTY WILL OR WILL NOT BE FREE FROM FLOODING OR DAMAGE.
3. NORTH MERIDIAN SHOWN HEREON IS BASED ON VIRGINIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE NAD83/94 (HARN). COORDINATE VALUES AND LENGTHS/DISTANCES SHOWN ARE EXPRESSED IN U.S. SURVEY FEET.
4. ELEVATIONS SHOWN HEREON BASED ON NAVD88 AND WERE ESTABLISHED FROM CITY OF SUFFOLK, VIRGINIA VERTICAL CONTROL STATION 150-R, ELEVATION=69.0 (GPS DERIVED).
5. THIS SURVEY DOES NOT ADDRESS THE EXISTENCE OR NONEXISTENCE OF WETLANDS, ENVIRONMENTAL HAZARDS, CEMETERIES OR ANY UNDERGROUND STRUCTURE NOT OBSERVED DURING THE COURSE OF THE SURVEY.
6. LOCATION OF UNDERGROUND NON-GRAVITY UTILITIES SHOWN ARE BASED ON SURFACE INDICATIONS LOCATED BY MSA. THE SURVEYOR MAKES NO GUARANTEE THAT ALL UTILITIES, ACTIVE OR ABANDONED, ARE SHOWN, NOR THAT SHOWN LOCATIONS ARE EXACT. PIPE MATERIAL TYPES/SIZES FOR UNDERGROUND GRAVITY UTILITIES ARE NOT GUARANTEED IN CONFINED AREAS.
7. THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF GREGORY M. ZOBY, L.S. (LIC. NO. 2991) FROM AN ACTUAL GROUND/AIRBORNE SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED ON OCTOBER 3, 2025; AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

SEE NOTE #3

THE SCHOOL BOARD OF THE CITY OF SUFFOLK
(D.B. 233, PG. 195)
TAX MAP 33*11*H
(P.B. 12, PG. 113)
ACCOUNT NO. 153808600
214 KENYON ROAD



20' 0' 20' 40'
GRAPHIC SCALE
1" = 20'

FB 634, PG 17-18

mark	date	by	description
revisions			

DATE	01/15/2026	-	-
PROJECT			
DESIGNED		MSA	
DRAWN			GBH
CHECKED			

RRMM® ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757)622-2828

COMMONWEALTH OF VIRGINIA
JEFFREY J. VIERRETHER
Lic. No. 2306
10/16/2025
LAND SURVEYOR

MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5052 ROJOSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462
757.490.2564 | MSAONLINE.COM

PROJECT: LAKELAND HIGH SCHOOL TENNIS COURT MAINTENANCE
SUFFOLK PUBLIC SCHOOLS
214 KENYON RD
SUFFOLK, VIRGINIA
VIRGINIA DEPARTMENT OF EDUCATION
DRAWING: EXISTING CONDITIONS

SHEET
V-101

MSA PROJ# 21136H

FILE NAME = I:\Projects\21136\ Lakeland HS Tennis Court Reno\Engineering\Drawings & Exhibits\DWG\21136 Site Plan.dwg LAYOUT NAME: V-101 PLOTTED: Thursday, January 15, 2026 - 2:37pm

GENERAL SEQUENCE OF CONSTRUCTION

1. **ACQUIRE PERMITS AS NECESSARY. WORK IS CONSIDERED MAINTENANCE AND DOES NOT REQUIRE LAND DISTURBING PERMIT.**
2. INSTALL THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY LAND DISTURBANCE:
   - 2.1. SAFETY FENCE
   - 2.2. CONSTRUCTION ENTRANCE
   - 2.3. SILT FENCE
   - 2.4. INLET PROTECTION
3. DEMOLISH AND REMOVE EXISTING ITEMS AS INDICATED ON THE PLAN.
4. INSTALL GEOGRID, BASE STONE, ASPHALT AND ACRYLIC SURFACE PER MANUFACTURER'S RECOMMENDATIONS.
5. DRESS AND OVERSEED ALL DISTURBED AREAS AND IMMEDIATELY ESTABLISH PERMANENT VEGETATIVE COVER. MAINTAIN VEGETATIVE COVER THROUGHOUT DURATION OF PROJECT.
6. REPAIR ANY INADVERTENT EROSION AND REMOVE ANY INADVERTENT SEDIMENTATION.
7. REMOVE ALL TEMPORARY EQUIPMENT, CONSTRUCTION MATERIALS AND DEBRIS FROM THE SITE.

E&S/DEMO NOTES:

1. ANY AND ALL MATERIAL OR DEBRIS TRACKED ONTO A PUBLIC OR PRIVATE ROAD SURFACE WILL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A SEDIMENT CONTROLLED DISPOSAL AREA.
2. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF IN A LAWFUL MANNER.
3. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT SITE AT THE STONE CONSTRUCTION ENTRANCE.
4. DEMOLITION AND CONSTRUCTION ACTIVITIES ARE NOT TO DISTURB NOR ENCROACH UPON ADJACENT PROPERTIES AT ANY TIME DURING CONSTRUCTION.
5. ALL ITEMS OF WORK NECESSARY TO COMPLETE THIS PROJECT SHALL BE IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
6. ANY PAVEMENT REMOVAL REQUIRED SHALL REMOVED TO NEAT STRAIGHT LINES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS ANY PAVEMENT, CONCRETE, CURBS, ETC. THAT MUST BE CUT OR THAT ARE DAMAGED DURING CONSTRUCTION.
8. ALL SIGNS TO BE REMOVED SHALL BE TURNED OVER TO OWNER.
9. WHEN MATERIAL IS UNSUITABLE FOR FOUNDATION, SUBGRADES, OR OTHER PURPOSES OCCURS WITHIN THE LIMITS OF CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE SUCH MATERIAL AND BACKFILL WITH APPROVED SUITABLE MATERIAL. THE EXTENT OF UNDERCUTTING AND BACKFILLING TO BE DETERMINED BY THE OWNER'S SOILS ENGINEERING CONSULTANT.
10. IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, STD & SPEC 3.39, PROPER DUST CONTROL MEASURES SUCH AS VEGETATIVE COVER, IRRIGATION, STONE, ETC, SHOULD BE USED THROUGHOUT THE ENTIRETY OF THE TEMPORARY CONSTRUCTION ROAD AND ALL OTHER NECESSARY AREAS.
11. DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ADEQUATE CONVEYANCE OF RUNOFF TO ENSURE PONDING DOES NOT OCCUR AND SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE UTILITY COMPANY AND OWNER ALL UTILITY CONNECTIONS, DISCONNECTIONS AND REMOVAL FROM THE SITE INCLUDING BUT NOT LIMITED TO; POWER, NATURAL GAS, WATER, SEWER, TELEPHONE, FIBER, AND CABLE.

DEMOLITION KEYNOTES:

1. REMOVE ASPHALT PAVEMENT TO WITHIN 1" OF BASE STONE. DO NOT DISTURB SUBGRADE
2. REMOVE 10' CHAIN LINK FENCE AND FOOTINGS
3. REMOVE GATE (TYP) AND FOOTINGS
4. REMOVE NET POST (TYP) AND FOOTINGS
5. REMOVE NET HOOK (TYP)
6. EXISTING LIGHT POLES TO REMAIN. CONTRACTOR SHALL PROTECT EXISTING LIGHT POLES AS NECESSARY FOR INSTALLATION OF NEW COURT SURFACES

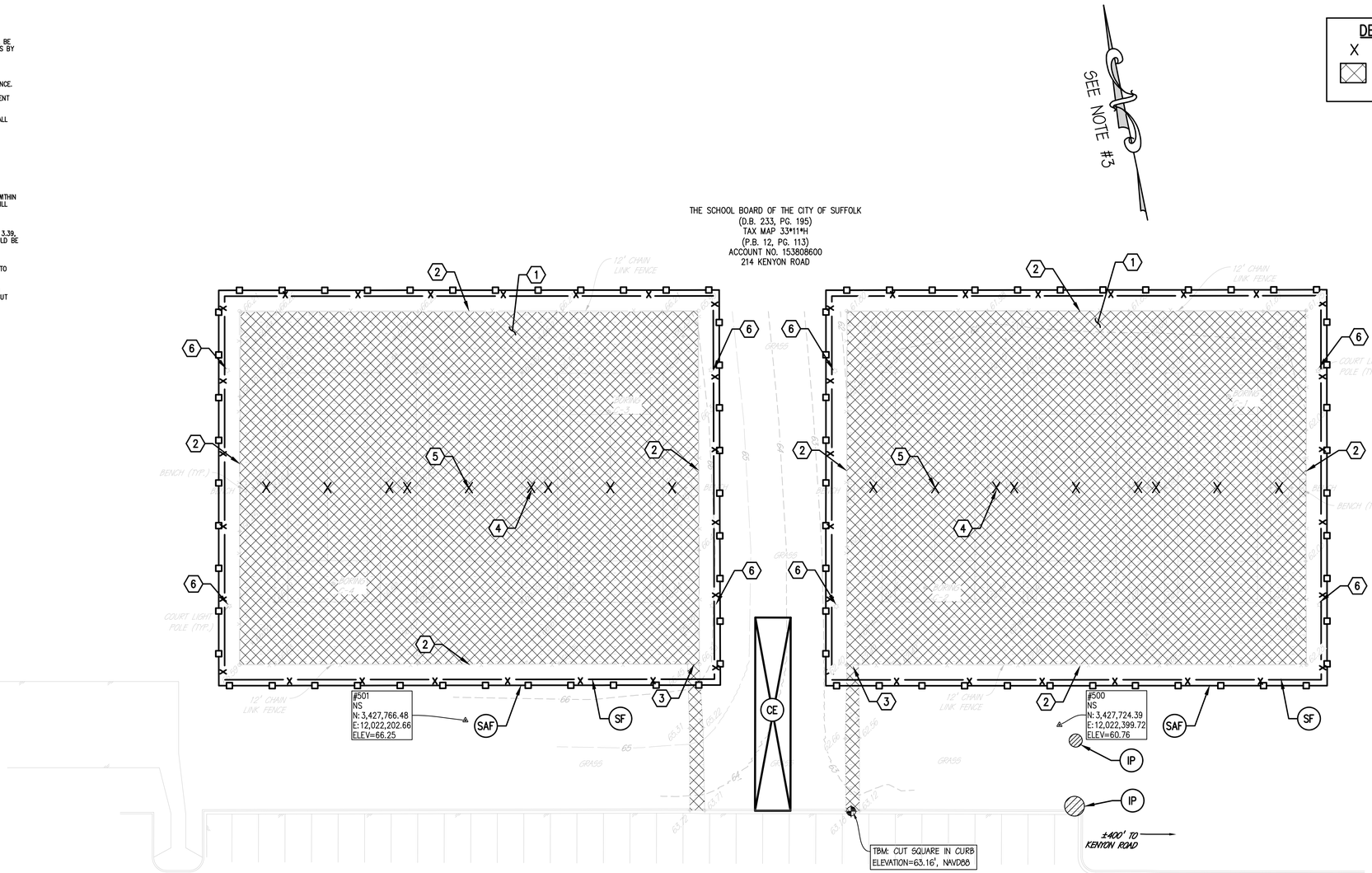
EROSION CONTROL LEGEND

DESCRIPTION	SYMBOL
SILT FENCE	SF
SAFTEY FENCE	SAF
PERMANENT SEEDING	PS
CONSTRUCTION ENTRANCE	CE
INLET PROTECTION	

DEMOLITION LEGEND

X — DENOTES DEMOLITION

REMOVE PAVEMENT TO WITHIN 1" OF BASE STONE. DO NOT DISTURB SUBGRADE)



*** CAUTION ***

THE UTILITIES SHOWN ARE FOR CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, DIMENSION AND ELEVATION OF ALL UNDERGROUND UTILITIES. MSA, P.C. ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN ON THE PLANS OR LACK THEREOF. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK. FOR MORE INFORMATION REGARDING THE LOCATION OF UNDERGROUND UTILITIES CALL MISS UTILITIES AT 1-800-552-7001 OR DIAL 811 IN VIRGINIA. ANY DISCREPANCIES IN REFERENCED HORIZONTAL LOCATIONS, ELEVATIONS, DIMENSIONS OR DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK. ANY DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITY LINES INCLUDING TELEPHONE, FIBER, POWER, GAS, WATER & SEWER PRIOR TO CONSTRUCTION AND SHALL COORDINATE RELOCATION AS NECESSARY FOR NEW CONSTRUCTION. SERVICES TO EXISTING FACILITIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

20 0 20 40

1 INCH = 20 FT

FB 634, PG 17-18

FILE NAME: I:\Projects\21136\ Lakeland HS Tennis Court Reno\Engineering\Drawings & Exhibits\DWG\21136I Site Plan.dwg LAYOUT NAME: CD101 PLOTTED: Thursday, January 15, 2026 - 2:37pm

revisions	mark	date	by	description

DATE	01/19/2026	-	-
PROJECT			
DESIGNED		MSA	GBH
DRAWN			
CHECKED			

RRMM® ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757)622-2828

COMMONWEALTH OF VIRGINIA — GREGORY B. HAYES — Lic. No. 036291 — 01/19/2026 — PROFESSIONAL ENGINEER

MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462
757-490-2364 | MSAONLINE.COM

PROJECT: LAKELAND HIGH SCHOOL TENNIS COURT MAINTENANCE
SUFFOLK PUBLIC SCHOOLS
214 KENYON RD
SUFFOLK, VIRGINIA
VIRGINIA DEPARTMENT OF EDUCATION:

DRAWING: EROSION, SEDIMENT CONTROL & DEMOLITION PLAN

SHEET
CD101

MSA PROJ# 21136H

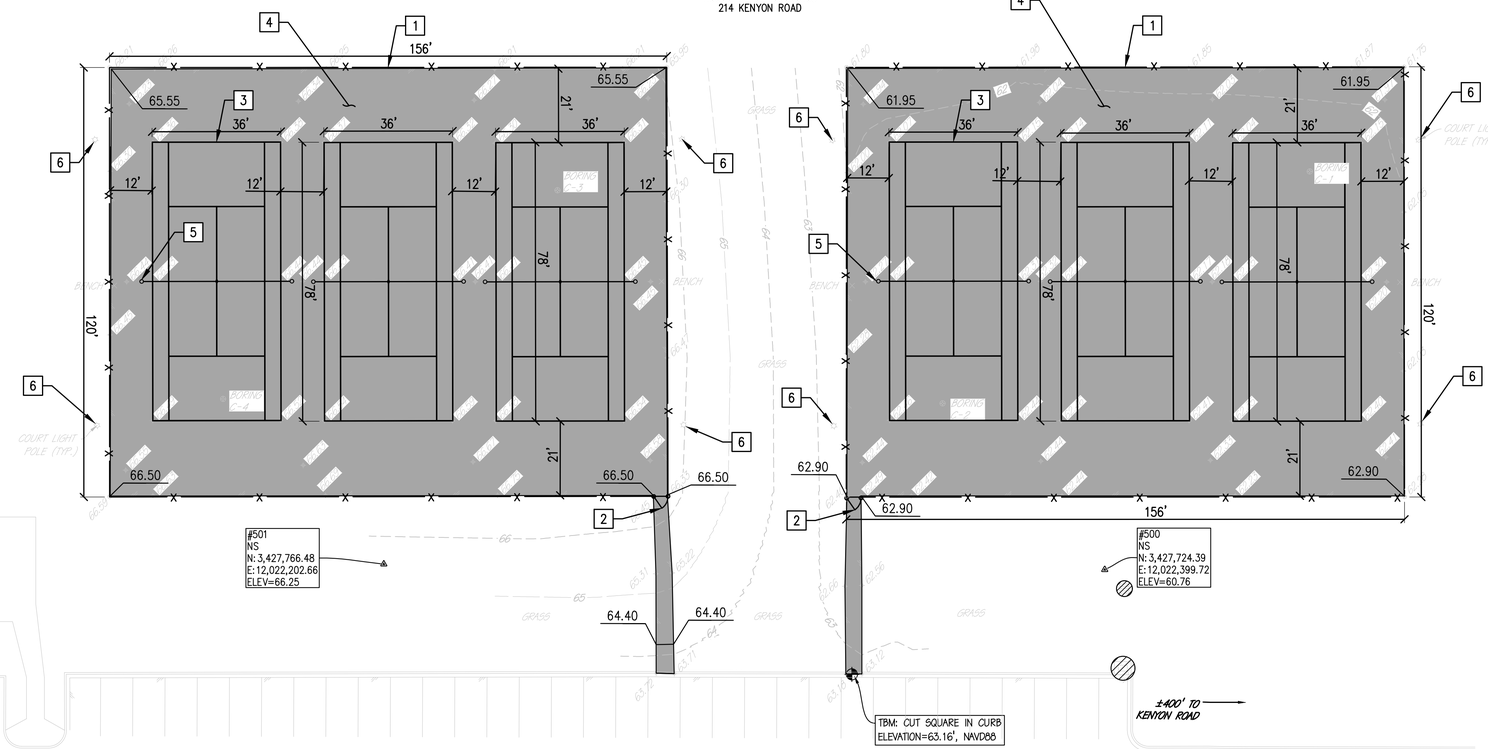
☐ NEW WORK KEYNOTES:

1. 10' HIGH BLACK VINYL COATED CHAIN LINK FENCE
2. 4' WIDE GATE
3. TENNIS COURT LAYOUT (TYP) (SEE DETAIL SHEET C-502)
4. TENNIS COURT PAVEMENT SECTION (SEE DETAIL SHEET C-502)
5. TENNIS NET POST (TYP) (SEE DETAIL SHEET C-502)
6. PROTECT EXISTING LIGHTPOLES TO REMAIN DURING ENTIRE CONSTRUCTION PHASE

1. ALL WORK SHALL BE PERFORMED BY AN ASBA CERTIFIED TENNIS COURT BUILDER.
2. DO NOT APPLY ASPHALT TENNIS COURT SURFACE COLOR COATING SYSTEM WHEN AIR OR SURFACE TEMPERATURES ARE BELOW 50°F DURING APPLICATION OR WITHIN 24 HOURS AFTER APPLICATION.
3. DO NOT APPLY ASPHALT TENNIS COURT SURFACE COLOR COATING SYSTEM WHEN RAIN IS EXPECTED DURING APPLICATION OR WITHIN 24 HOURS AFTER APPLICATION.

SEE NOTE #3

THE SCHOOL BOARD OF THE CITY OF SUFFOLK
(D.B. 233, PG. 195)
TAX MAP 33*11*H
(P.B. 12, PG. 113)
ACCOUNT NO. 153808600
214 KENYON ROAD



*** CAUTION ***

THE UTILITIES SHOWN ARE FOR CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, DIMENSION AND ELEVATION OF ALL UNDERGROUND UTILITIES. MSA, P.C. ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN ON THE PLANS OR LACK THEREOF. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK. FOR MORE INFORMATION REGARDING THE LOCATION OF UNDERGROUND UTILITIES CALL MISS UTILITIES AT 1-800-552-7001 OR DIAL 811 IN VIRGINIA. ANY DISCREPANCIES IN REFERENCED HORIZONTAL LOCATIONS, ELEVATIONS, DIMENSIONS OR DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK. ANY DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

FB 634, PG 17-18

20' 0' 20' 40'
GRAPHIC SCALE
1" = 20'

mark	date	by	description
revisions			

DATE	01/19/2026	-	-
PROJECT			
DESIGNED		MSA	
DRAWN		GBH	
CHECKED			

RRMM® ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757)622-2828

COMMONWEALTH OF VIRGINIA
GREGORY B. HAYES
Lic. No. 036291
01/19/2026
PROFESSIONAL ENGINEER

MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462
757.490.2564 | MSAONLINE.COM

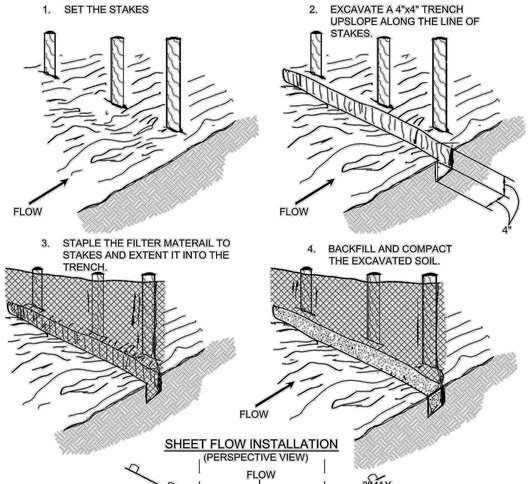
PROJECT
LAKELAND HIGH SCHOOL TENNIS COURT MAINTENANCE
SUFFOLK PUBLIC SCHOOLS
214 KENYON RD
SUFFOLK, VIRGINIA
VIRGINIA DEPARTMENT OF EDUCATION

DRAWING
SITE PLAN

SHEET
CS101

MSA PROJ# 21136H

FILE NAME: I:\Projects\21136\ Lakeland HS Tennis Court Reno\Engineering\Drawings & Exhibits\DWG\21136\ Site Plan.dwg LAYOUT NAME: CS101 PLOTTED: Thursday, January 15, 2026 - 2:37pm

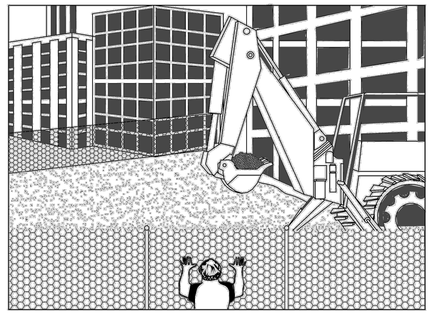


DEQ
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

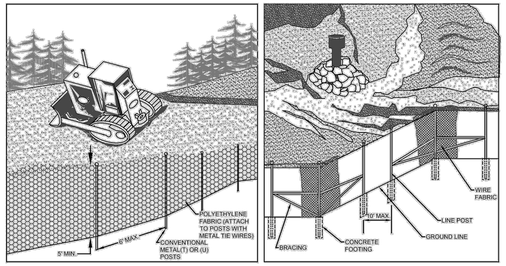
CONSTRUCTION OF SILT FENCE WITHOUT WIRE SUPPORT

v1.1 SOURCE: ADAPTED FROM STRAW & FAB. BARRIERS, SHERWOOD & WYANT

C-PCM-04-2B



PERSPECTIVE VIEW



PERSPECTIVE VIEW
PLASTIC FENCE

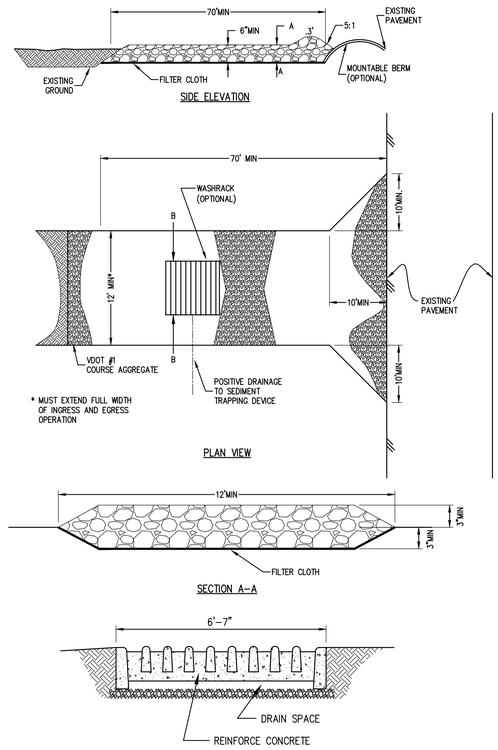
PERSPECTIVE VIEW
METAL FENCE

DEQ
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

SAFETY FENCE

v1.1 SOURCE: VDOT STDS., VA DSWC, CONWED PLASTICS

C-PCM-01-1



CONSTRUCTION ENTRANCE WITH WASH RACK

V.E & S.C. ST'D & SPEC. 3.02 N.T.S.

CE

TABLE 3.32-E
(Revised June 2003)
PERMANENT SEEDING SPECIFICATIONS FOR COASTAL PLAIN AREA

SEED[1]		
LAND USE	SPECIES	APPLICATION RATES
Minimum Care Lawn (Commercial or Residential)	Tall Fescue [1] Bermudagrass [1]	175–200 lbs. 75 lbs.
High–Maintenance Lawn	Tall Fescue [1] Bermudagrass (deed) Bermudagrass (by other vegetative establishment method, see Std. & Spec. 3.34)	200–250 lbs. 40 lbs. (unhulled) 30 lbs. (hulled)
General Slope (3:1 or less)	Tall Fescue [1] Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop [2]	128 lbs. 2 lbs. 20 lbs. TOTAL: 150 lbs.
Low–Maintenance Slope (Steeper than 3:1)	Tall Fescue [1] Bermudagrass [1] Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop [2] Sericea Lespedeza [3]	93–108 lbs. 0–15 lbs. 2 lbs. 20 lbs. 20 lbs. TOTAL: 150 lbs.

1. When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommended turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgrass variety list is available at the local County Extension office or through VCIA at 804–746–4884 or at http://sudan.cses.vt.edu/html/Turf/turf/publications/publications2.html

2. Use seasonal nurse crop in accordance with seeding dates as stated below:
   February, March–April.....Annual Rye
   May 1st–August .....Foxtail Millet
   September, October–November 15th.....Annual Rye
   November 16th–January.....Winter Rye

3. May through October, use hulled seed. All other seeding periods, use unhulled seed. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods increase to 30–40 lbs/acre.

FERTILIZER & LIME

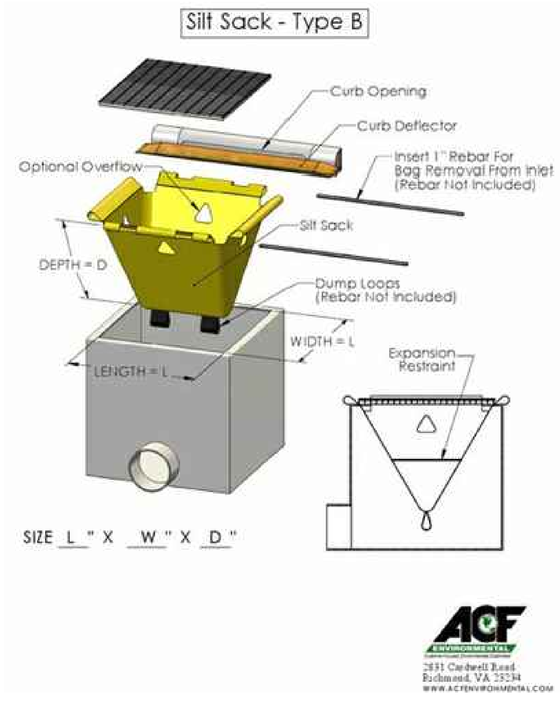
Apply 10–20–10 fertilizer at a rate of 500 lbs. / acre (or 12 lbs. / 1,000 sq. ft.) Apply Pulverized Agricultural Limestone at a rate of 2 tons/acre (or 90 lbs. / 1,000 sq. ft.)

NOTE:

- A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of site.
- Incorporate the lime and fertilizer into the top 4–6 inches of the soil by disking or by other means.
- When applying Slowly Available Nitrogen, use rates available in Erosion & Sediment Control Technica Bulletin # 4, 2003 Nutrient Management for Development Sites at http://www.dcr.state.va.us/sw/e&s.htm#pubs

PERMANENT SEEDING SCHEDULE

VE&SC STD & SPEC 3.32

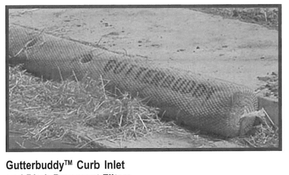


ACF ENVIRONMENTAL
2331 Cardwell Road
Richmond, VA 23234
WWW.ACFENVIRONMENTAL.COM

GUTTERBUDDY

Curb Inlet Drain Filters

88.2% Reduction in Total Suspended Solids
87.4% Reduction in Hydrocarbons



Gutterbuddy™ Curb Inlet and Ditch Pavement Filters

Gutterbuddy™ Advantages

- *Easy to transport, install and maintain*
- *Keeps out sand, asphalt millings and other fine sediment*
- *Available in regular and super flow*
- *Washable*
- *Reusable*

Gutterbuddy™ Curb Inlet Filters effectively prevent sediment, debris and other pollutants from entering storm water systems. The filtering action lets water freely flow through the fiberous material while stopping sediment and debris. Built-in over-flows drain water even more quickly during extreme events.

Long lasting Gutterbuddy™ Curb Inlet Filters are 9" in diameter and can be purchased in 4', 6', 8', 10', 12', 14' and 16' lengths. These inlet filters are flexible enough to conform to any curb radius, allowing for quick and easy installation.

Gutterbuddy™ Ditch Pavement Filters effectively prevent sediment, debris and other pollutants from entering storm water systems or other areas that ditch pavement is used to channel water runoff. Their filtering action lets water freely flow through the fiberous material while stopping sediment and debris. Each ditch pavement filter comes with a stake hole at each end and has bendable steel in the middle of the fabric that allows it to conform to all types of ditch pavement.

For more information about Gutterbuddy™ Curb Inlet and Drainage Ditch Filters, call your ACF Environmental or SI Geosolutions distributor.



	description
	by
mark	date
revisions	

DATE	01/19/2026	-	-
PROJECT	-	-	-
DESIGNED	-	MSA	-
DRAWN	-	GBH	-
CHECKED	-	-	-

RRMM® ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757)622-2828

COMMONWEALTH OF VIRGINIA
GREGORY B. HAYES
Lic. No. 036291
01/19/2026
PROFESSIONAL ENGINEER

MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462
757-490-2564 | MSAONLINE.COM

PROJECT
LAKELAND HIGH SCHOOL TENNIS COURT MAINTENANCE
SUFFOLK PUBLIC SCHOOLS
214 KENYON RD
SUFFOLK, VIRGINIA
VIRGINIA DEPARTMENT OF EDUCATION:

DRAWING
DETAILS

SHEET
C-501

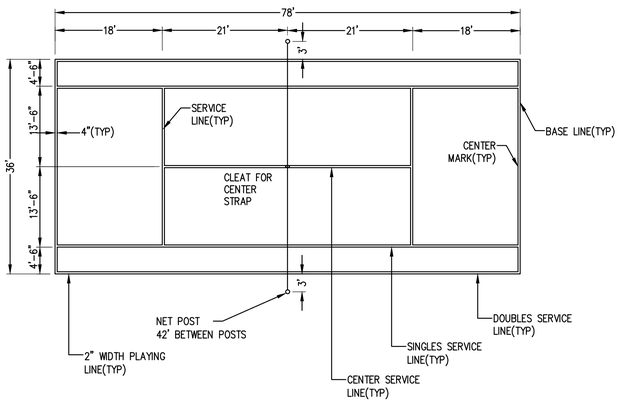
MSA PROJ# 21136H

FILE NAME: I:\Projects\21136\Lakeland HS Tennis Court Reno\Engineering\Drawings & Exhibits\DWG\21136 Cover & Details.dwg LAYOUT NAME: C-501 PLOTTED: Thursday, January 15, 2026 - 2:37pm

NOTE:

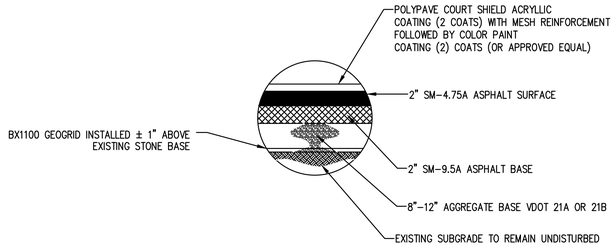
ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF LINES. ALL PLAYING LINES ARE 2" IN WIDTH. EXCEPT THE BASE LINE WHICH MAY BE BETWEEN 2" AND 4" IN WIDTH.

SEE SHEET CS101 FOR ORIENTATION



TENNIS COURT LAYOUT

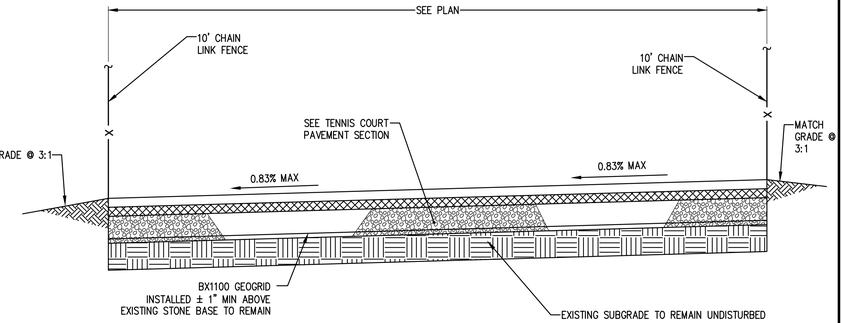
NTS



COURT COLORS TO BE SELECTED BY OWNER/ARCHITECT

TENNIS COURT PAVEMENT SECTION

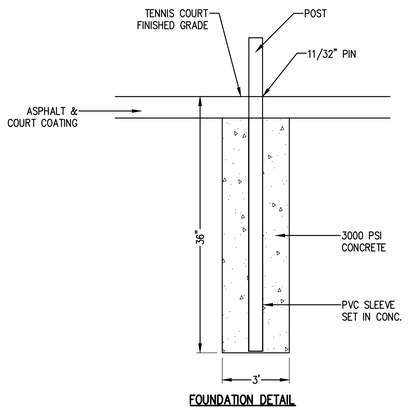
NTS



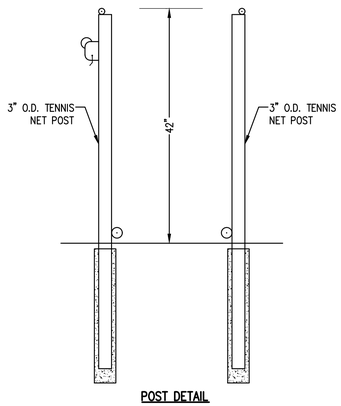
TENNIS COURT SECTION

NTS

ALL WORK SHALL BE PERFORMED BY AN ASBA CERTIFIED TENNIS COURT BUILDER.



FOUNDATION DETAIL



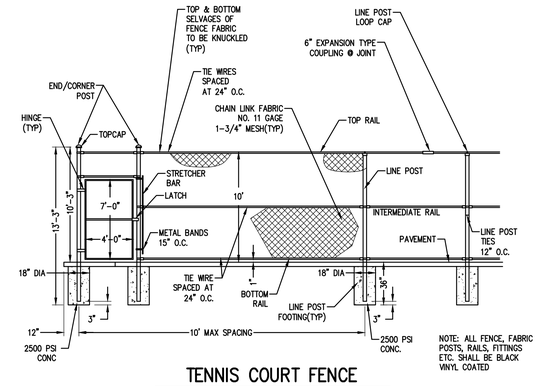
POST DETAIL

TENNIS NET POST DETAIL

NTS

PROVIDE AND INSTALL TENNIS COURT POSTS, NETS, CLIPS, ANCHORS, AND ALL APPURTENANCES FOR EACH COURT.

POSTS ARE 3" O.D., GALVANIZED SCHEDULE 40, PIPE 60" LONG. EACH POST IS FITTED WITH AN 11/32" GALVANIZED STEEL PIN TO SET THE POSTS AT REGULATION 42" HEIGHT. EACH POST IS TREATED WITH A GALVANIZED PRIMER. THEN COATED WITH A DURABLE ALKYD HIGH GLOSS ENAMEL FINISH. THE POSTS ARE FITTED WITH RUSTPROOF CAST ALUMINUM CAPS. THE NET CABLE TENSION WINCH IS DOUBLE GEARED WITH A GEAR RATIO OF 3.1:1 FOR EASE AND SAFETY OF OPERATION AND IS EQUIPPED WITH A SPRING LOADED RATCHET/SAFETY LOCK.



NOTE: ALL FENCE, FABRIC POSTS, RAILS, FITTINGS ETC. SHALL BE BLACK VINYL COATED

TENNIS COURT FENCE

NTS

mark	date	by	description

DATE	01/19/2026	-	-
PROJECT			
DESIGNED			MSA
DRAWN			GBH
CHECKED			

RRMM ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757)622-2828

COMMONWEALTH OF VIRGINIA
GREGORY B. HAYES
Lic. No. 0.36291
01/19/2026
PROFESSIONAL ENGINEER

MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462
757.490.2964 | MSAONLINE.COM

PROJECT
LAKELAND HIGH SCHOOL TENNIS COURT MAINTENANCE
SUFFOLK PUBLIC SCHOOLS
214 KENYON RD
SUFFOLK, VIRGINIA
VIRGINIA DEPARTMENT OF EDUCATION

DRAWING
DETAILS

SHEET
C-502

MSA PROJ# 21136H

FILE NAME: I:\Projects\21136\ Lakeland HS Tennis Court Reno\Engineering\Drawings & Exhibits\DWG\21136I Cover & Details.dwg LAYOUT NAME: C-502 PLOTTED: Thursday, January 15, 2026 - 2:37pm