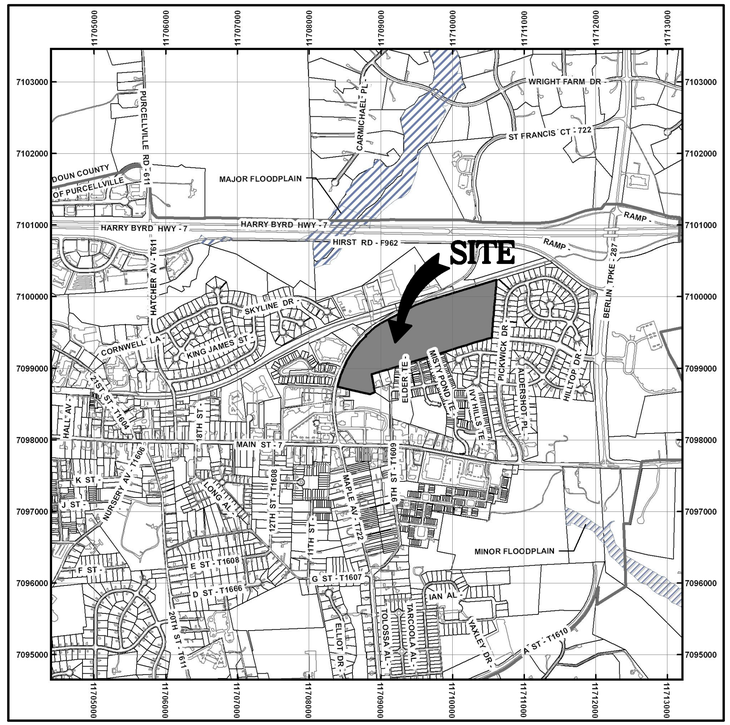
LCPS-LOUDOUN VALLEY HIGH SCHOOL
LIGHTED PLAYING FIELDS
SPECIAL USE PERMIT

GENERAL NOTES:

1. THE SUBJECT PROPERTIES ARE IDENTIFIED IN LOUDOUN COUNTY ASSESSMENT RECORDS AS MCPI#453-45-6966 (LCTM/36/////////25A), MCPI#488-40-7247 (LCTM/35A2/4////4/), MCPI#488-40-6727 (LCTM/35A2/4/////3/), AND MCPI#488-40-6511 (LCTM/35A2/4//////2/). THE SUBJECT PROPERTIES ARE CURRENTLY ZONED IP, AS ADMINISTERED UNDER THE TOWN OF PURCELLVILLE, VIRGINIA ZONING ORDINANCE (THE "ZONING ORDINANCE") AND DEVELOPED AS A PUBLIC HIGH SCHOOL USE. THE SPECIAL USE PERMIT SPECIFICALLY ADDRESSES APPROXIMATELY 6.94 ACRES OF MCPI#453-45-6966 (LCTM/36/////////25A), WHEREIN TWO LIGHTED ATHLETIC FIELDS ARE PROPOSED.
2. BOUNDARY INFORMATION SHOWN FOR THE SITE WAS OBTAINED FROM EXISTING LAND RECORDS OF LOUDOUN COUNTY, VIRGINIA AND A FIELD SURVEY PERFORMED BY BOWMAN CONSULTING IN JULY 2011.
3. THE SPECIAL USE PERMIT IS REQUESTED TO ENABLE LIGHTING OF THE SOFTBALL FIELD AND BASEBALL FIELD ON THE LOUDOUN VALLEY HIGH SCHOOL CAMPUS. PER ARTICLE 4 SECTION 14.3.5 OF THE ZONING ORDINANCE, LIGHTED ATHLETIC FIELDS ARE PERMITTED IN THE IP DISTRICT WITH SPECIAL USE PERMIT APPROVAL, SUBJECT TO THE ILLUMINATION STANDARDS OF ARTICLE 6 SECTION 9.
4. THE AREA OF THE CAMPUS SUBJECT TO THE SPECIAL USE PERMIT IS CURRENTLY DEVELOPED WITH A SOFTBALL FIELD (NOT LIGHTED), ATHLETIC PRACTICE FIELD, TENNIS COURTS, AND PARKING. THE REQUESTED SPECIAL USE PERMIT WILL ENABLE LIGHTING OF THE EXISTING SOFTBALL FIELD, AND ADDITION OF LIGHTED BASEBALL FIELD. THE EXISTING FACILITIES DISPLACED BY THE NEW BASEBALL FIELD WILL BE RELOCATED ELSEWHERE ON THE CAMPUS PURSUANT TO SUBSEQUENT SITE PLAN APPROVAL, AND ARE SHOWN ON THE CONCEPT PLAN FOR ILLUSTRATIVE PURPOSES.
5. THE CONCEPT PLAN (SHEET 3) SPECIFIES THE LIMITS OF THE REQUESTED SPECIAL USE PERMIT AND FURTHER IDENTIFIES THE LOCATIONS OF THE SOFTBALL AND BASEBALL FIELDS AS WELL AS THE PROPOSED LIGHTING FOR EACH.
6. TOPOGRAPHIC INFORMATION SHOWN HEREON WAS TAKEN FROM A TOPOGRAPHIC SURVEY PERFORMED BY BOWMAN CONSULTING GROUP DATED 08/22/2011 CONTOUR INTERVAL IS 2 FEET. VCS 83, NORTH ZONE.
7. SOILS INFORMATION SHOWN IS FROM LOUDOUN COUNTY GIS DATA.
8. STORMWATER MANAGEMENT AND BMP WILL BE PROVIDED IN ACCORDANCE TO THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK AND THE LATEST EDITION OF THE TOWN OF PURCELLVILLE F.S.M. SEE SHEET 3 FOR POTENTIAL LOCATIONS.
9. SEDIMENT & EROSION CONTROL WILL BE PROVIDED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
10. PARKING FOR THE HIGH SCHOOL FACILITY WILL MEET OR EXCEED ZONING ORDINANCE REQUIREMENTS, AND SHALL BE SPECIFIED AT FINAL SITE PLAN.
11. NOISE WILL BE CONTROLLED TO CONFORM WITH ZONING ORDINANCE REQUIREMENTS, WHICH LIMITS NOISE LEVELS AT PROPERTY LINES TO A MAXIMUM OF 55 DBA.

BLUE RIDGE DISTRICT **TOWN OF PURCELLVILLE, VIRGINIA**



VICINITY MAP
SCALE: 1" = 1000'

NORTH
VA STATE GRID
NAD 83

SHEET INDEX

1 COVER SHEET
2 EXISTING CONDITIONS
3 CONCEPT PLAN
4 PHOTOMETRIC LIGHTING PLAN

OWNER/APPLICANT

LOUDOUN COUNTY SCHOOL BOARD
21000 EDUCATION COURT, #400
ASHBURN, VA 20148
PHONE: (571) 252-1050

REVISION BLOCK		
NO.	SHEET NUMBER AND REVISION DESCRIPTION	DATE

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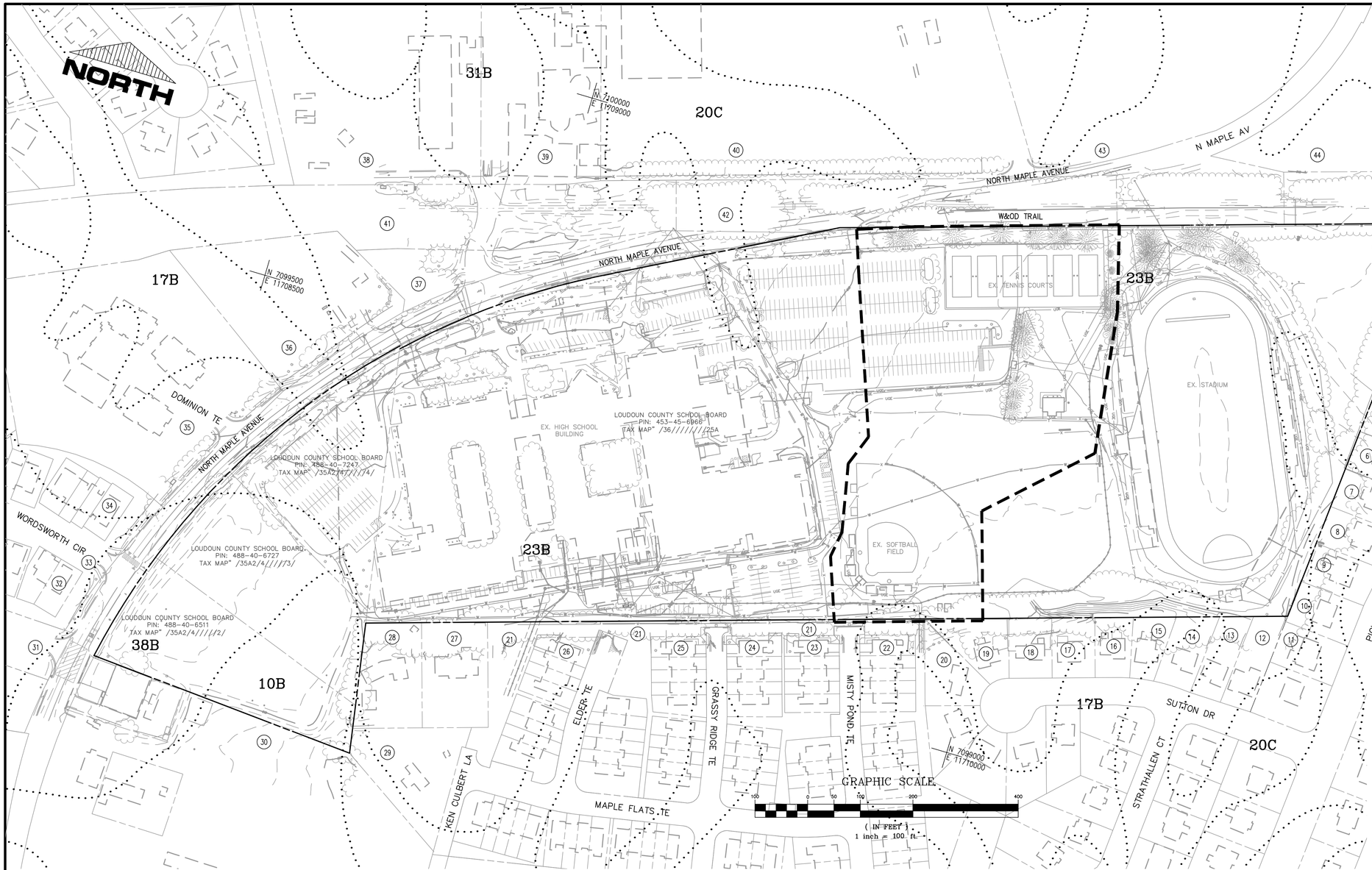
COVER SHEET
LCPS LOUDOUN VALLEY HIGH SCHOOL
BASEBALL AND SOFTBALL ATHLETIC LIGHTING
SPECIAL USE PERMIT
BLUE RIDGE ELECTION DISTRICT LOUDOUN COUNTY, VIRGINIA

COMMONWEALTH OF VIRGINIA
J.W. CODY FRANCIS
Lic. No. 34091
PROFESSIONAL ENGINEER

PLAN STATUS	
DATE	DESCRIPTION

JAE DESIGN	JAE DRAWN	CMM CHKD
SCALE	H: AS NOTED V:	
JOB No.	2833-01-005	
DATE	OCTOBER 12, 2012	
FILE No.	2833-D-MP-005	
SHEET	1 OF 4	

Cad file name: \\Dyke\vtm_projects\2833 - Loudoun Valley High School\2833-01-005 (PLN) - LCPS Loudoun Valley High School Lighted Athletic Fields 2833-D-MP-005-COV.dwg



SOILS DESCRIPTIONS

TYPE	NAME	GROUP	SLOPE	CLASS	HYDRIC SOILS
10B	MONGLE LOAM	D	0–7%	IV	NO
17B	MIDDLEBURG SILT LOAM	B	1–7%	III W	NO
20C	PURCELLVILLE AND TANKERVILLE SOILS	B	7–15%	II R	NO
23B	PURCELLVILLE SILT LOAM	B	2–7%	I	NO
38B	SWAMPOODLE SILT LOAM	C	1–7%	IV WP	NO

1. THE SUBJECT DEVELOPMENT SITE DOES CONTAIN CLASS III AND OR CLASS IV SOILS, PER THE LASTEST COUNTY SOILS MAP AND AS IDENTIFIED BY THE INTERPRETIVE GUIDE TO THE USE OF SOILS MAP, LOUDOUN COUNTY VIRGINIA.

2. THE SUBJECT SITE DOES NOT CONTAIN ANY KNOWN HABITATS, VEGETATION, TOPOGRAPHIC, OR PHYSICAL, NATURAL, SCENIC, ARCHEOLOGICAL, OR HISTORIC FEATURE OF SIGNIFICANT IMPORTANCE.

LEGEND

- LIMITS OF APPLICATION
- EXISTING BUILDING
- 255 — EXISTING TWO FOOT CONTOUR
- 260 — EXISTING TEN FOOT CONTOUR
- EXISTING STREAM
- ADJACENT OWNER LOT BOUNDARY
- X — X — EXISTING FENCE
- G — EXISTING GAS LINE
- E — EXISTING OVERHEAD ELECTRIC LINE
- W — W — EXISTING OVERHEAD ELECTRIC LINE
- UGE — EXISTING UNDERGROUND ELECTRIC
- UGF — EXISTING UNDERGROUND FIBEROPTIC
- EXISTING STORM PIPE
- EXISTING WOODS LINE
- 74B — DENOTES SOIL TYPE

ADJACENT OWNER INFORMATION

LAND USE KEY

SF	SINGLE FAMILY
CI	COMMERCIAL/INDUST
VA	VACANT
GP	GOVERNMENT PROPERTY
MF	MULTI-FAMILY

KEY #	PIN #	OWNER	USE
1	452-16-6743	TRAVIS, THEODORE SR & CATHERINE	SF
2	452-16-6932	HILL, RICHARD P II & MARCIA W.	SF
3	452-16-6726	MCILVAINE, SHERYL	SF
4	452-16-6620	BAUMGARDNER, JAMES E & DEBORAH H,	SF
5	452-16-6513	REYNOLDS, RICHARD G & MICHELE,	SF
6	452-16-6405	BIRNBAUM, J L & UKONTHON D CHOY	SF
7	453-46-6497	BERTELSON, MICHAEL L & JEAN,	SF
8	453-46-6390	HOTTENSTEIN, KENNTH & KATHLEEN A,	SF
9	453-46-6282	NORRIS, BILLY A SR & SANDRA C	SF
10	453-46-6371	GABBY, PETER N & LOIS	SF
11	453-46-6162	KOEPSELL, TERRY & LESLIE L	SF
12	453-46-5162	STAUDT, JAY L & KRISTIN B	SF
13	453-46-4561	HOLDER, RONNIE & SANDRA JEWELL	SF
14	453-46-3860	NELSON, JOANN	SF
15	453-46-3159	MUNOZ, ROBIN L	SF
16	453-46-2457	COONS, KEVIN A	SF
17	453-46-1754	ECKART, NIKO & LAUREN	SF
18	453-46-0952	BRILL, LESLIE W TRUSTEE	SF
19	453-45-9850	GILBOY, KEVIN M & RACHEL K	SF
20	453-45-9644	SMITH, GORDON R & CONSTANCE W	SF
21	453-36-5258	PURCELLVILLE RIDGE HOA	VA
22	453-45-8444	MCKENZIE, THOMAS G	SF
23	453-45-7040	YOCUM, JAMES A & VALERIE M	SF
24	453-45-6037	WILSON, DANIEL A & HEATHER K	SF
25	453-45-4633	BABCOCK, BRUCE A	SF
26	453-45-2526	BENNETT, CHRISTOPHER G & MEGAN T,	SF
27	453-45-0615	JOHNS, ROBIN L & DEBORAH R	SF
28	488-40-9413	JOHNS, CARRIE ELLEN	SF
29	453-35-0496	BLACK, ARYLN K & LISA S	CI
30	488-30-6864	S R B ENTERPRISES LLC	SF
31	488-49-9506	PURCELLVILLE DAY CARE LLC	CI
32	488-40-3118	HARDEY, ROBERT L & ELIZABETH D	SF
33	488-49-9829	MEADOWS OF PVILLE HOA	VA
34	488-40-3734	HAMILTON, MARGARET MAXINE	SF
35	488-40-3363	MAPLE AVENUE APARTMENTS LP,	MF
36	488-40-5578	TOWN OF PURCELLVILLE	GP
37	488-40-8593	LOUDOUN COUNTY SCHOOL BOARD	GP
38	487-10-5817	MASON, JAMES ALFRED & BARBARA T	CI
39	487-10-9228	MERCKE, BRENT H	CI
40	452-15-3658	NO DATA	
41	488-49-6726	NORTHERN VA REGIONAL PARK AUTHORITY	GP
42	452-15-6097	NORTHERN VA REGIONAL PARK AUTHORITY	GP
43	452-25-4468	STUPAR, BRANKO TEE	CI
44	452-16-6477	LOUDOUN COUNTY BOARD OF SUPERVISORS	GP
45	452-16-8435	NORTHERN VA REGIONAL PARK AUTHORITY	GP

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EXISTING CONDITIONS

LCPS LOUDOUN VALLEY HIGH SCHOOL
BASEBALL AND SOFTBALL ATHLETIC LIGHTING
SPECIAL USE PERMIT
LOUDOUN COUNTY, VIRGINIA

BLUE RIDGE ELECTION DISTRICT

COMMONWEALTH OF VIRGINIA
J.W. CODY FRANCIS
Lic. No. 34091
PROFESSIONAL ENGINEER

PLAN STATUS

DATE	DESCRIPTION

JAE DESIGN	JAE DRAWN	CMM CHKD

SCALE H: 1"=100' V:

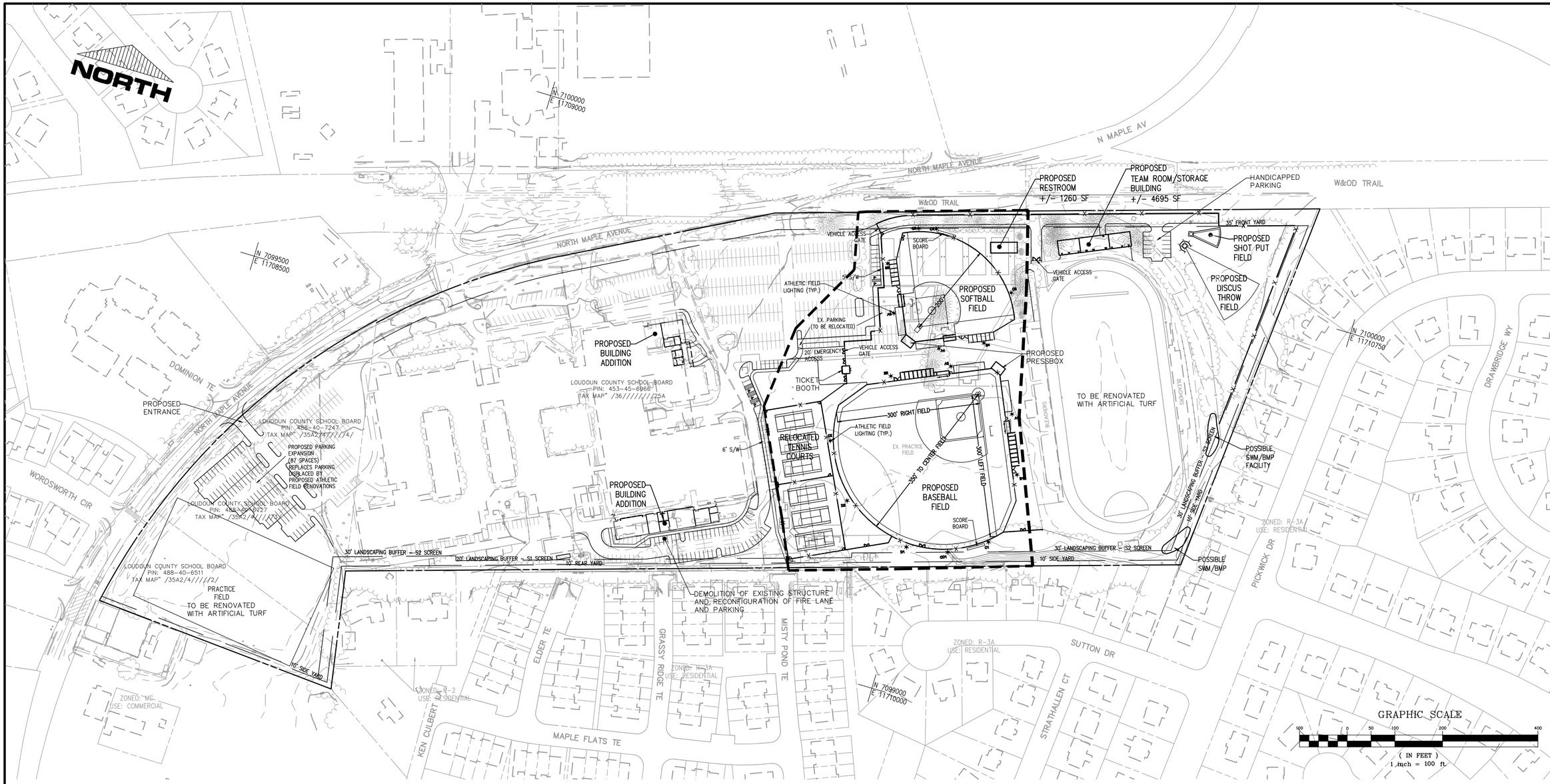
JOB No. 2833-01-005

DATE OCTOBER 12, 2012

FILE No. 2833-D-MP-005

SHEET 2 OF 4

Cad file name: \\Cvlpfs\Vine_projects\2833 - Loudoun Valley High School\2833-01-005 (PLN) - LCPS Loudoun Valley High School Lighted Athletic Fields 2833-D-MP-005-EXC.dwg



ZONING REQUIREMENTS

ATHLETIC FIELD LIGHTING STANDARDS:

	MAX. INTENSITY AT PROP. LINE	PROPOSED INTENSITY AT PROP. LINE
ADJACENT TO RESIDENTIAL USES:	0.8 FOOTCANDLES	SEE NOTE
ADJACENT TO COMMERCIAL OR INDUSTRIAL USES:	2.0 FOOTCANDLES	SEE NOTE

MOUNTING HEIGHT OF SPORTS FIELD LIGHTING FIXTURES:

MAX. MOUNTING HEIGHT	PROPOSED MOUNTING HEIGHT
80'	VARIES (80' MAX.)

NOTE:
ILLUMINATION LEVELS AT PROPERTY LINES GENERATED BY THE PROPOSED ATHLETIC FIELD LIGHTING ARE SHOWN ON SHEET 4, PHOTOMETRIC LIGHTING PLAN.

LEGEND

- LIMITS OF APPLICATION
- EXISTING BUILDING
- 255 EXISTING TWO FOOT CONTOUR
- 260 EXISTING TEN FOOT CONTOUR
- EXISTING STREAM
- ADJACENT OWNER LOT BOUNDARY
- EXISTING FENCE
- PROPOSED FENCE
- * PROPOSED ATHLETIC FIELD LIGHTING

NOTES

1. THIS SPECIAL USE PERMIT APPLICATION IS FOR THE PROPOSED ATHLETIC FIELD LIGHTING ONLY. ALL OTHER SITE IMPROVEMENTS IDENTIFIED OUTSIDE OF THE LIMITS OF APPLICATION ARE DEPICTED FOR ILLUSTRATIVE PURPOSES, AND WILL REQUIRE SITE PLAN APPROVAL PRIOR TO CONSTRUCTION.

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CONCEPT PLAN

LCPS LOUDOUN VALLEY HIGH SCHOOL
BASEBALL AND SOFTBALL ATHLETIC LIGHTING
SPECIAL USE PERMIT

BLUE RIDGE ELECTION DISTRICT LOUDOUN COUNTY, VIRGINIA

COMMONWEALTH OF VIRGINIA
J.W. CODY FRANCIS
Lic. No. 34091
PROFESSIONAL ENGINEER

PLAN STATUS	
DATE	DESCRIPTION

JAE	JAE	CMM
DESIGN	DRAWN	CHKD

SCALE	H: 1"=100' V:
JOB No.	2833-01-005
DATE	OCTOBER 12, 2012
FILE No.	2833-D-MP-005
SHEET	3 OF 4

Cad file name: \\Cvfpb\View_projects\2833 - Loudoun Valley High School\2833-01-005 (PLN) - LCPS Loudoun Valley High School Lighted Athletic Fields 2833-D-MP-005-LAY.dwg

NORTH MAPLE AVENUE

NORTH MAPLE AVENUE

W&OD TRAIL

LIGHTING LEVEL AT PROPERTY LINE (FOOTCANDLES)

0.0 0.1 0.1 0.1 0.2 0.4 0.5 0.6 0.5 0.5 0.4 0.2 0.2 0.1 0.1 0.1 0.0

NORTH

EX. TENNIS COURTS

PROPOSED LIGHTED SOFTBALL FIELD

EX. STADIUM

PROPOSED LIGHTED BASEBALL FIELD

EX. SOFTBALL FIELD

C1 C2 C3 C4 C5 CD1 D1 D2 A1 A2 A3 A4 B1 B2 B3 B4

0.0 0.1 0.1 0.1 0.2 0.3 0.4 0.5 0.5 0.6 0.6 0.6 0.5 0.4 0.3 0.4 0.2 0.1 0.1 0.1 0.0

LIGHTING LEVEL AT PROPERTY LINE (FOOTCANDLES)

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

GRASSY

MISTY

DR

NOTE: PHOTOMETRIC PLAN WAS COMPLETED BY GALE ASSOCIATES, INC. AND PROJECTS LIGHTING LEVELS ATTRIBUTABLE TO THE PROPOSED BASEBALL AND SOFTBALL FIELDS.

LEGEND

- LIMITS OF APPLICATION
- EXISTING BUILDING
- 255 EXISTING TWO FOOT CONTOUR
- 260 EXISTING TEN FOOT CONTOUR
- EXISTING STREAM
- ADJACENT OWNER LOT BOUNDARY
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ATHLETIC FIELD LIGHTING

BASEBALL FIELD LIGHTING EQUIPMENT

	Pole			Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	80'	-	80'	1500W MZ	6	6	0
1	A2	80'	-	80'	1500W MZ	6	6	0
1	B1	80'	-	80'	1500W MZ	6	6	0
1	B2	80'	-	80'	1500W MZ	7	7	0
1	C1	70'	-	70'	1500W MZ	3	3	0
1	CD1	70'	-	70'	1500W MZ	3	3	0
1	D1	70'	-	70'	1500W MZ	3	3	0
1	C2	70'	-	70'	1500W MZ	3	3	0
1	D2	70'	-	70'	1500W MZ	3	3	0
9	TOTALS					40	40	0

SOFTBALL FIELD LIGHTING EQUIPMENT

	Pole			Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A3	70'	-	70'	1500W MZ	3	3	0
1	A4	70'	-	70'	1500W MZ	3	3	0
1	B4	70'	-	70'	1500W MZ	3	3	0
1	C5	70'	-	70'	1500W MZ	3	3	0
1	B3	70'	-	70'	1500W MZ	2	2	0
1	C3	70'	-	70'	1500W MZ	2	2	0
1	C4	70'	-	70'	1500W MZ	2	2	0
7	TOTALS					18	18	0

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PHOTOMETRIC LIGHTING PLAN

LCPS LOUDOUN VALLEY HIGH SCHOOL
BASEBALL AND SOFTBALL ATHLETIC LIGHTING

SPECIAL USE PERMIT

BLUE RIDGE ELECTION DISTRICT LOUDOUN COUNTY, VIRGINIA

COMMONWEALTH OF VIRGINIA
J.W. CODY FRANCIS
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PLAN STATUS

DATE	DESCRIPTION

JAE	JAE	CMM
DESIGN	DRAWN	CHKD

SCALE H: 1"=50' V:

JOB No. 2833-01-005

DATE OCTOBER 12, 2012

FILE No. 2833-D-MP-005

SHEET 4 OF 4

Cad file name: \\Clyde\new_projects\2833 — Loudoun Valley High School\2833-01-005 (PLN) — LCPS Loudoun Valley High School Lighted Athletic Fields 2833-D-MP-005-PHO.dwg