

BM 360/113-20102-00_Lee's Summit Middle School #4/13-20102-00_Lee's Summit Middle School 4_ARCH_2020.rvt
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LEE'S SUMMIT MIDDLE SCHOOL #4

PRELIMINARY DEVELOPMENT PLAN

1001 SE BAILEY ROAD
LEE'S SUMMIT, MO 64081

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PLANS FOR RESUBMITTAL - 06/09/2020

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VICINITY MAP:



LEGAL DESCRIPTION:

Surveyor's Recommended Property Description:

All that part of Northeast Quarter of Section 16, Township 47 North, Range 31 West, in the City of Lee's Summit, Jackson County, Missouri, as described by Timothy Blair Wiswell, Missouri Professional Licensed Surveyor, PLS-2009000067, and being more particularly described as follows:

COMMENCING at the Northwest corner of the Northeast Quarter, of said Section 16-T47N-R31W; thence South 02 degrees 20 minutes 19 seconds West, along the West line of said Northeast Quarter, a distance of 20.00 feet, to a point on the South Right-of-Way line of Bailey Road as now established, said point also being the Northeast corner of Lot 164 of Newberry Second Plat, Lots 1-65, 163 and 164, a subdivision in the City of Lee's Summit, Jackson County, Missouri; thence South 88 degrees 07 minutes 48 seconds East, on the South Right-of-Way line of said Bailey Road, a distance of 1,350.00 feet, to a point; thence South 35 degrees 20 minutes 58 seconds West, departing the South Right-of-Way line of said Bailey Road, a distance of 517.08 feet, to a point; thence South 07 degrees 56 minutes 53 seconds West, a distance of 320.18 feet, to a point; thence South 12 degrees 12 minutes 42 seconds West, a distance of 1,168.07 feet, to a point; thence South 27 degrees 41 minutes 50 seconds West, a distance of 480.35 feet, to a point on a line that is 300.00 feet North of and parallel to the South line of said Northeast Quarter; thence North 88 degrees 04 minutes 43 seconds West, on said parallel line, a distance of 630.96 feet, to a point on the West line of said Northeast Quarter, said point also being on the East line of Newberry Fourth Plat, a subdivision in the City of Lee's Summit, Jackson County, Missouri; thence North 02 degrees 20 minutes 19 seconds East, on the West line of said Northeast Quarter, and on the East line of said Newberry Fourth Plat, and on the East line of Newberry Third Plat, a subdivision in the City of Lee's Summit, Jackson County, Missouri, and on the East line of said Newberry Second Plat, Lots 1-65, 163 and 164, a distance of 2,330.63 feet, to the POINT OF BEGINNING, containing 2,250,248 square feet or 51.6586 acres, more or less.

Planning
Commission
Josh Johnson approved
these plans on
July 23, 2020

DESIGN TEAM:

OWNER:

LEE'S SUMMIT R-7 SCHOOL DISTRICT
502 SE TRANSPORT DRIVE
LEE'S SUMMIT, MO 64083
816.986.3415

ARCHITECT OF RECORD:

DLR GROUP
7280 WEST 133RD ST
OVERLAND PARK, KS 66213
913.897.7811

CIVIL ENGINEER:

OLSSON
7301 WEST 133RD ST
OVERLAND PARK, KS 66213
913.381.1170

LANDSCAPE ARCHITECT:

DLR GROUP
7280 WEST 133RD ST
OVERLAND PARK, KS 66213
913.897.7811

M.E.P. ENGINEER:

HENDERSON ENGINEERS
8435 LENEXA DRIVE SUITE 300
LENEXA, KS 66214
913.742.5000

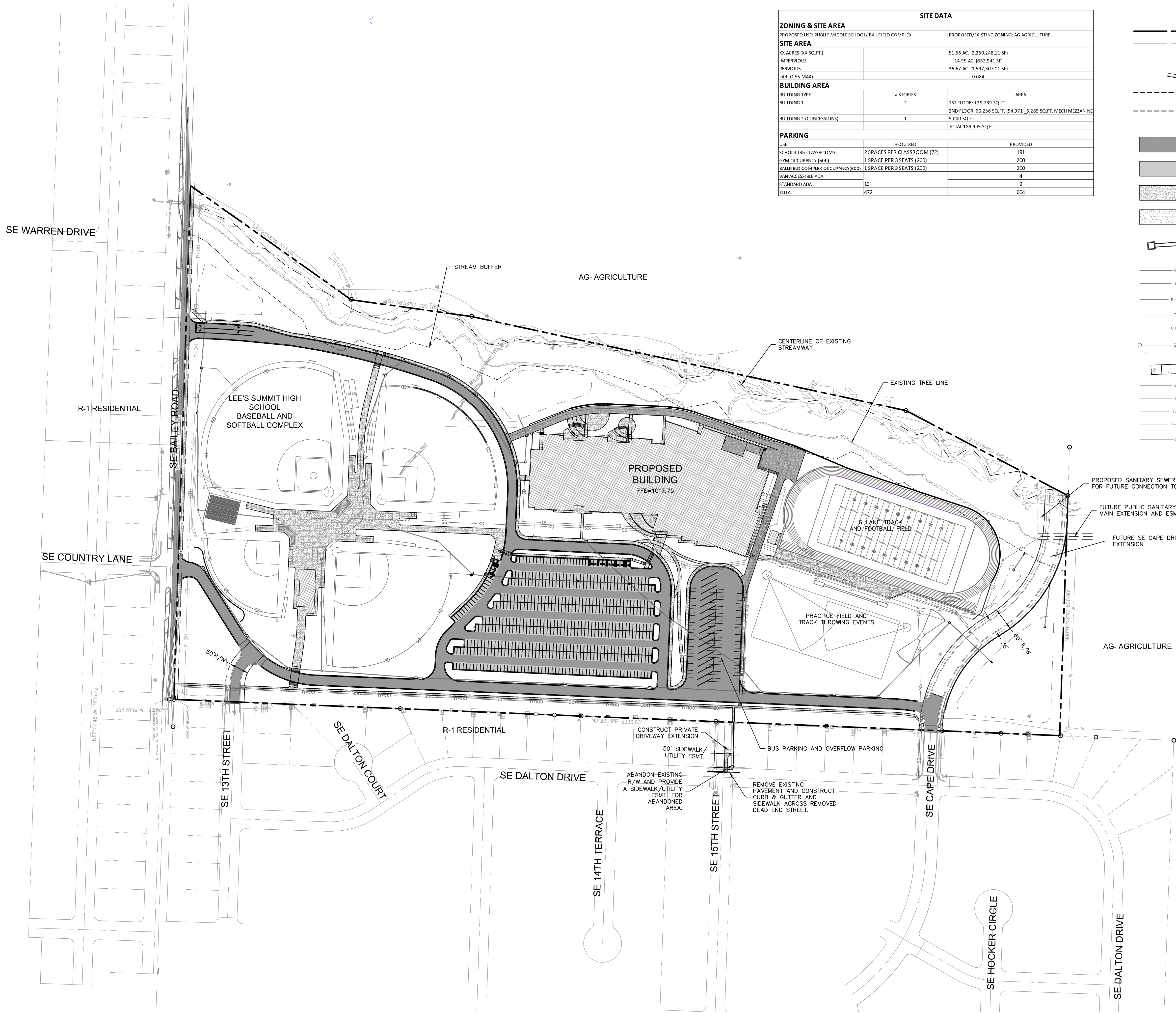
STRUCTURAL ENGINEER:

DLR GROUP
7280 WEST 133RD ST
OVERLAND PARK, KS 66213
913.897.7811

CONSTRUCTION MANAGER:

MCCOWNGORDON CONSTRUCTION
422 ADMIRAL BOULEVARD
KANSAS CITY, MO 64106
816.877.0690

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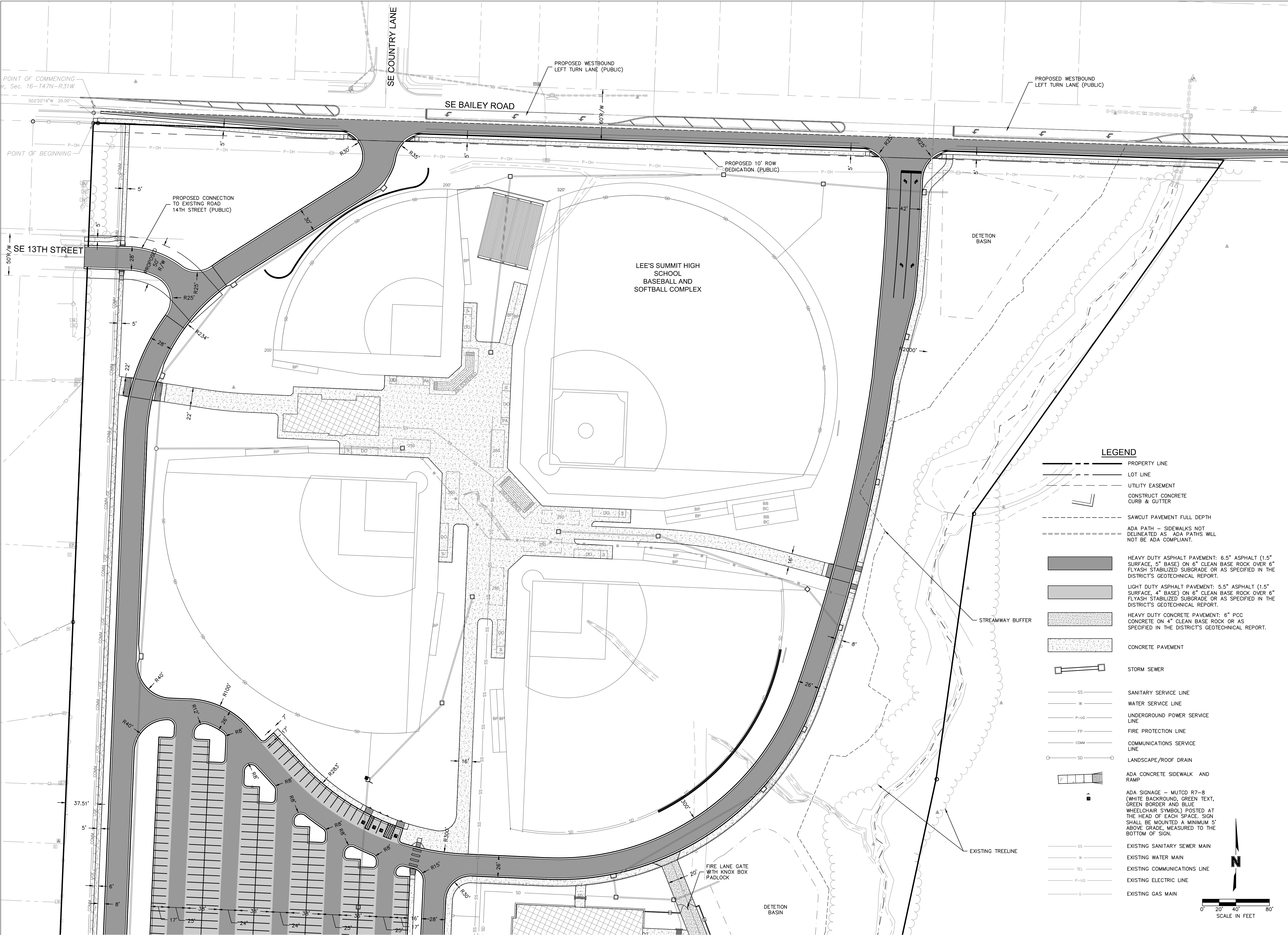
SITE DATA		
ZONING & SITE AREA		
PROPOSED USE: PUBLIC MIDDLE SCHOOL/ BALLFIELD COMPLEX		PROPOSED/EXISTING ZONING: AG AGRICULTURE
SITE AREA		
XX ACRES (XX SQ.FT.)		51.66 AC. (2,250,248.11 SF)
IMPERVIOUS		14.99 AC. (652,941 SF)
PERVIOUS		36.67 AC. (1,597,307.11 SF)
FAR (0.55 MAX):		0.084
BUILDING AREA		
BUILDING TYPE	# STORIES	AREA
BUILDING 1	2	1ST FLOOR: 129,739 SQ.FT.
BUILDING 2 (CONCESSIONS)	1	2ND FLOOR: 60,256 SQ.FT. (54,971 _ 5,285 SQ.FT. MECH MEZZANINE
		5,000 SQ.FT.
		TOTAL 189,995 SQ.FT.
PARKING		
USE	REQUIRED	PROVIDED
SCHOOL (36 CLASSROOMS)	2 SPACES PER CLASSROOM (72)	191
GYM OCCUPANCY (600)	1 SPACE PER 3 SEATS (200)	200
BALLFIELD COMPLEX OCCUPANCY(600)	1 SPACE PER 3 SEATS (200)	200
VAN ACCESSIBLE ADA		4
STANDARD ADA	13	9
TOTAL	472	604

LEGEND	
	PROPERTY LINE
	LOT LINE
	UTILITY EASEMENT
	CONSTRUCT CONCRETE CURB & GUTTER
	SAWCUT PAVEMENT FULL DEPTH
	ADA PATH — SIDEWALKS NOT DELINEATED AS ADA PATHS WILL NOT BE ADA COMPLIANT.
	HEAVY DUTY ASPHALT PAVEMENT
	STANDARD DUTY ASPHALT PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	CONCRETE PAVEMENT
	STORM SEWER
	SANITARY SERVICE LINE
	WATER SERVICE LINE
	UNDERGROUND POWER SERVICE LINE
	FIRE PROTECTION LINE
	COMMUNICATIONS SERVICE LINE
	LANDSCAPE/ROOF DRAIN
	ADA CONCRETE SIDEWALK AND RAMP
	EXISTING SANITARY SEWER MAIN
	EXISTING WATER MAIN
	EXISTING COMMUNICATIONS LINE
	EXISTING ELECTRIC LINE
	EXISTING GAS MAIN

LEE'S SUMMIT MIDDLE SCHOOL #4

PRELIMINARY DEVELOPMENT PLAN
Issue Date 05.08.20
REVISIONS
1 REVISED PER CITY COMMENTS 06.09.2020
13-20102-00
GENERAL LAYOUT PLAN

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LEE'S SUMMIT MIDDLE SCHOOL #4

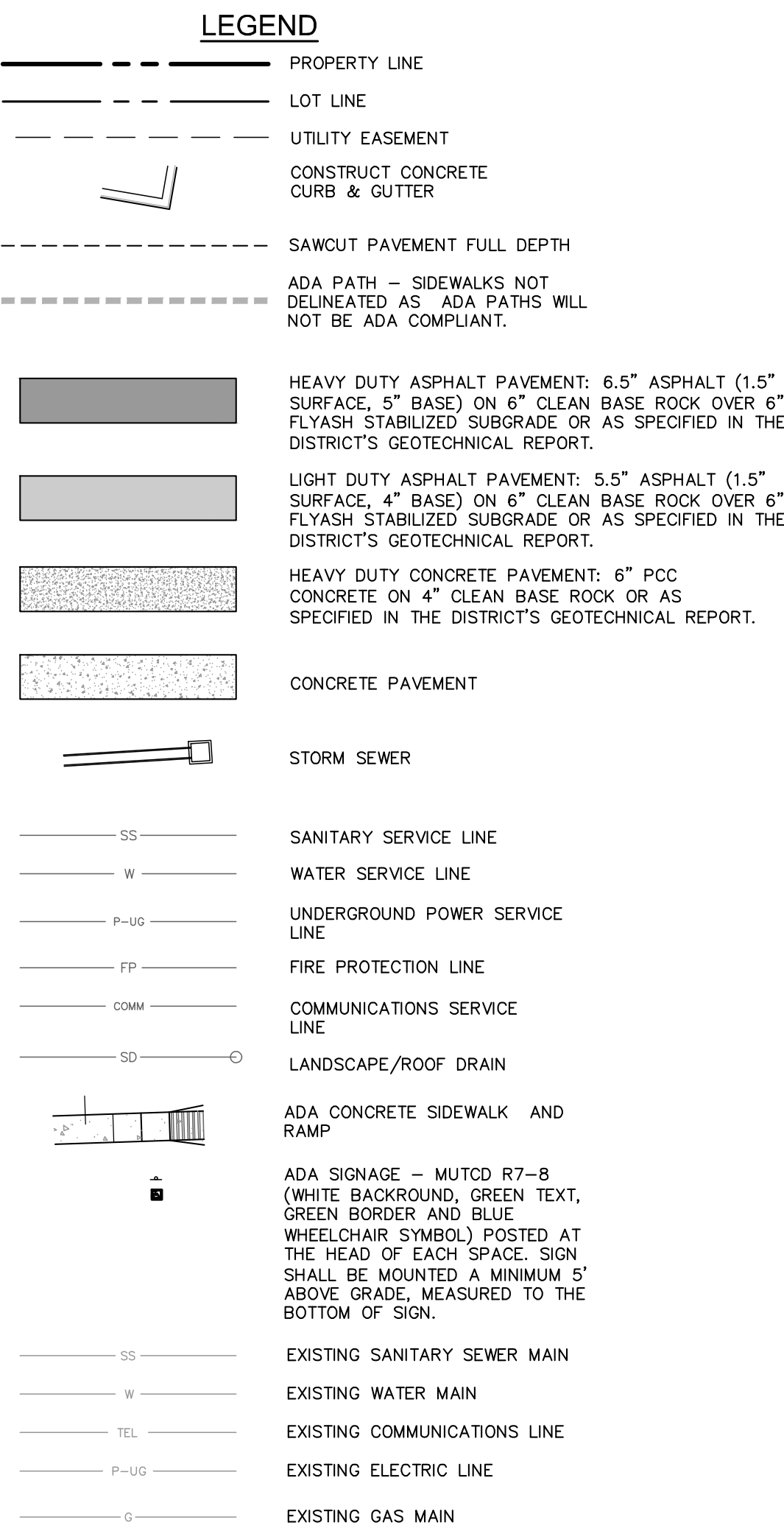
PRELIMINARY DEVELOPMENT PLAN

Issue Date 05.08.20
REVISIONS

1	REVISED PER CITY COMMENTS	06.09.2020
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13-20102-00

SITE PLAN



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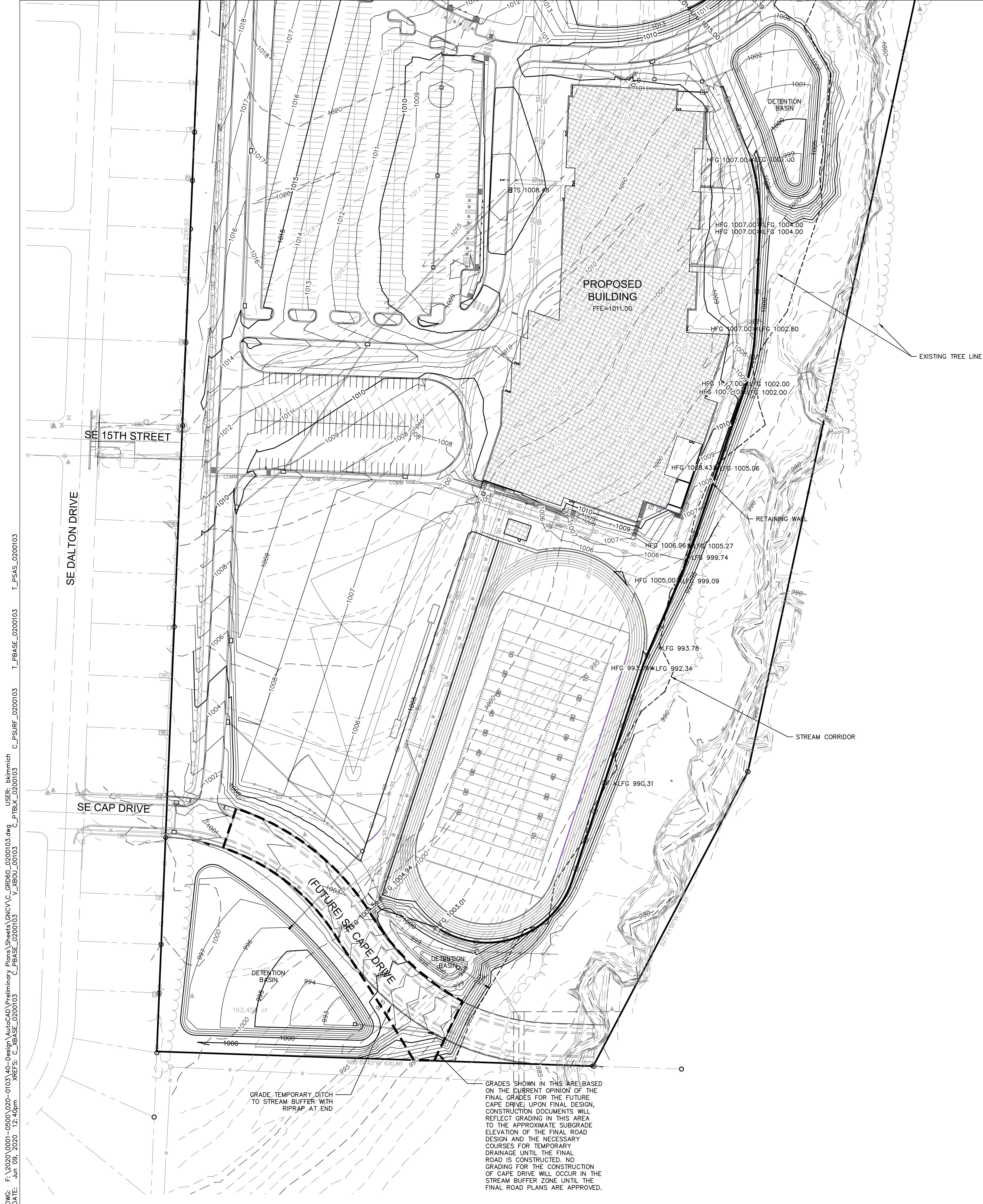
- PROPERTY LINE
- EXISTING GRADE CONTOUR
- FINISHED GRADE CONTOUR
- RIDGE LINE
- VALLEY LINE
- RAMP
- CONCRETE CURB & GUTTER TYPE "B"
- CONCRETE CURB & GUTTER TYPE "B-DRY"
- CONCRETE CURB TYPE "C" MODIFIED

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PRELIMINARY
DEVELOPMENT
PLAN
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13-20102-00
OVERALL GRADING
PLAN



LEE'S SUMMIT MIDDLE SCHOOL #4

PRELIMINARY
DEVELOPMENT
PLAN

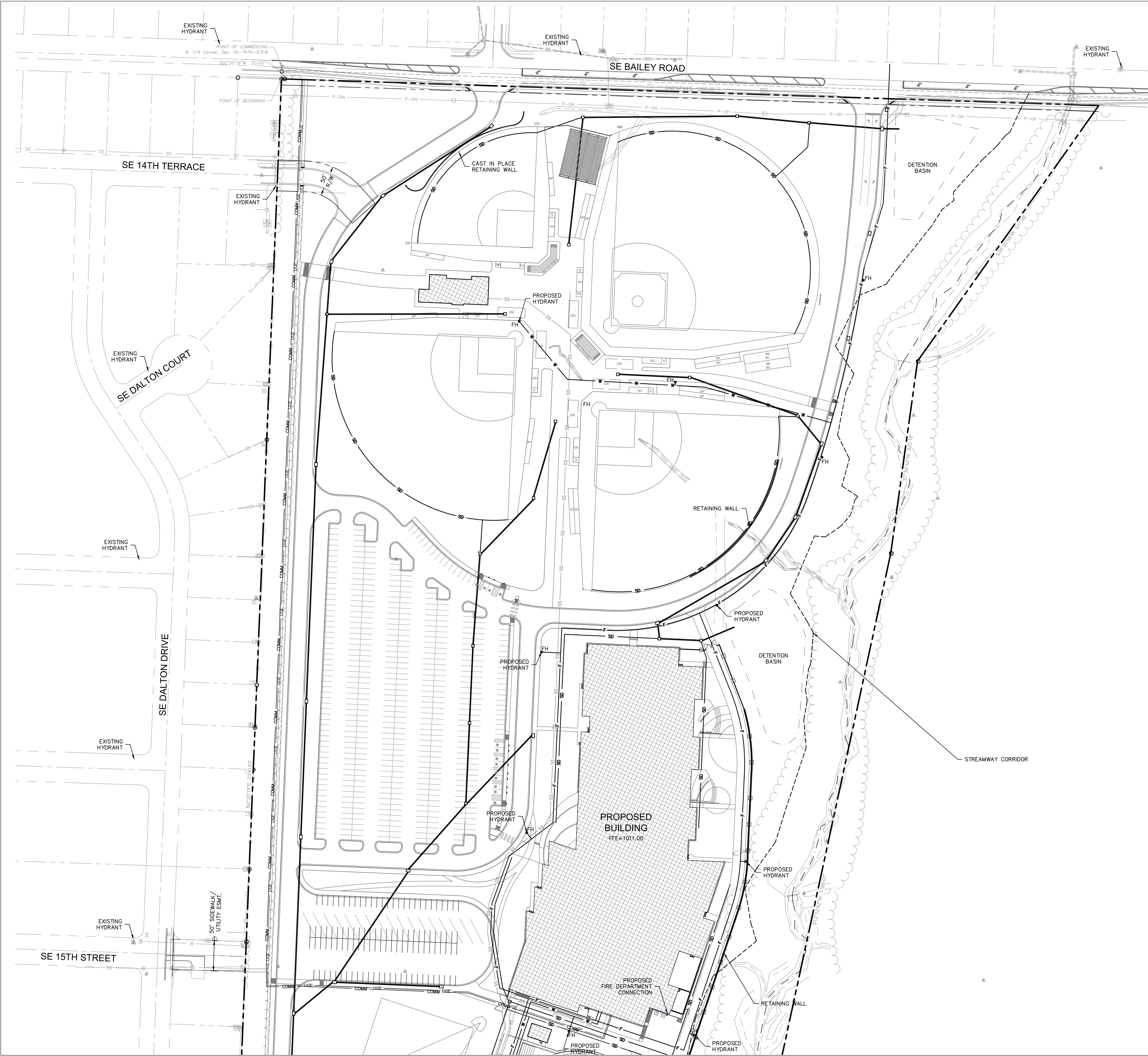
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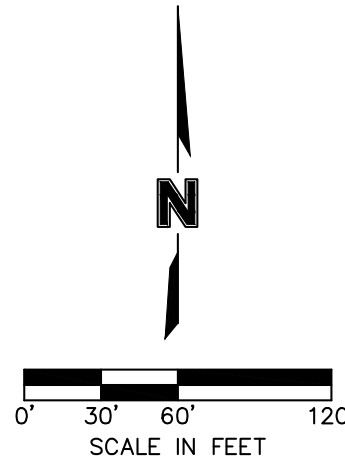
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OVERALL GRADING
PLAN

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- LEGEND**
- PROPERTY LINE
 - LOT LINE
 - UTILITY EASEMENT
 - STORM SEWER
 - SANITARY SERVICE LINE
 - WATER SERVICE LINE
 - UNDERGROUND POWER SERVICE LINE
 - FIRE PROTECTION LINE
 - COMMUNICATIONS SERVICE LINE
 - TRENCH/LANDSCAPE/ROOF DRAIN
 - FIRE HYDRANT
 - EXISTING SANITARY SEWER MAIN
 - EXISTING WATER MAIN
 - EXISTING COMMUNICATIONS LINE
 - EXISTING ELECTRIC LINE
 - EXISTING GAS MAIN



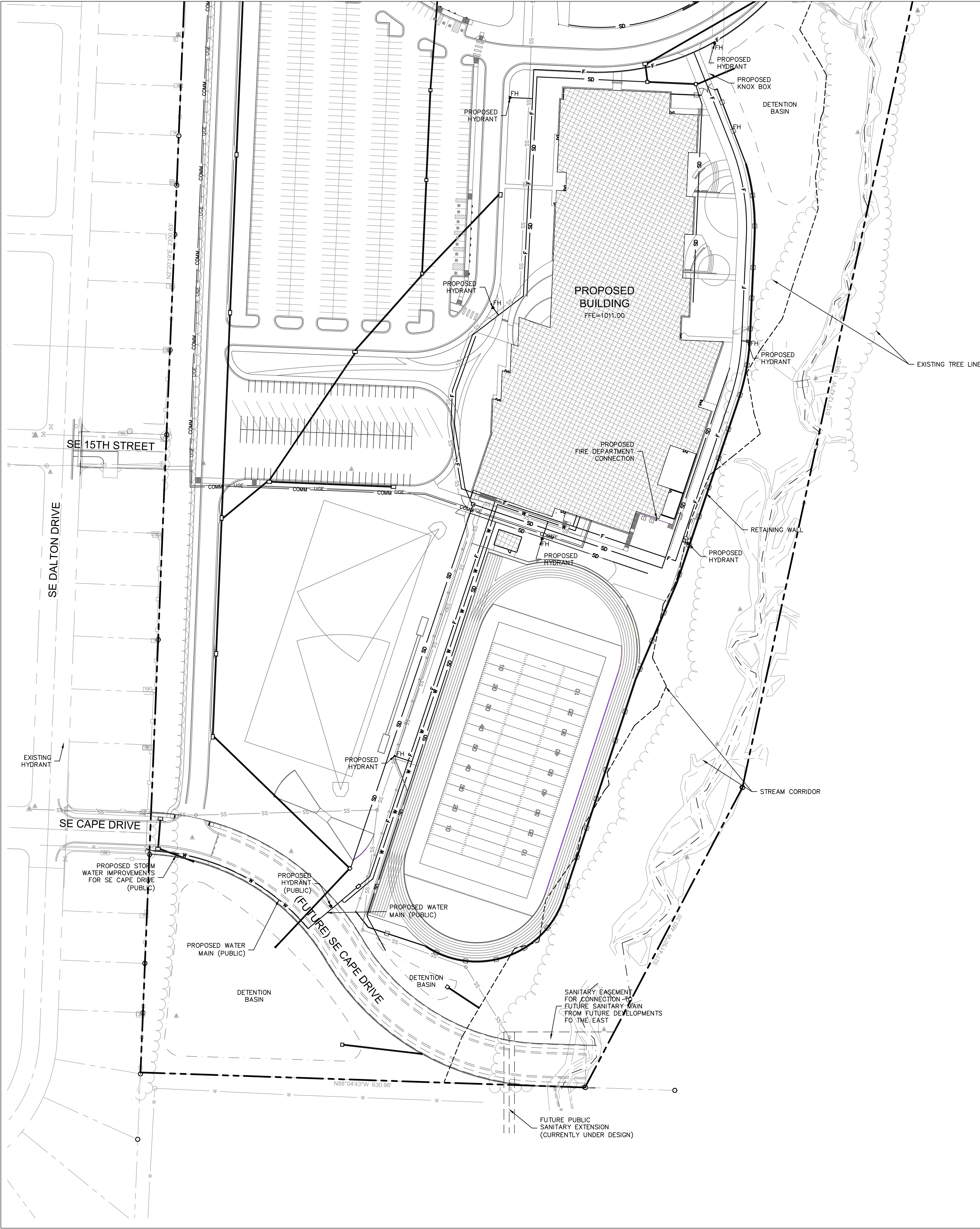
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PRELIMINARY
DEVELOPMENT
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Issue Date 05.08.20
REVISIONS

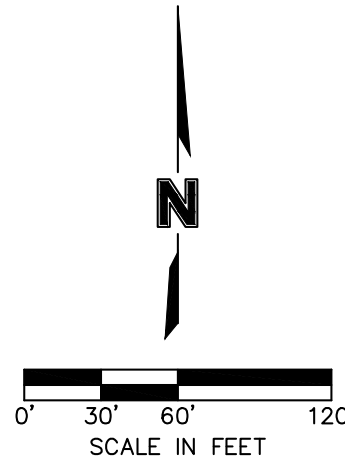
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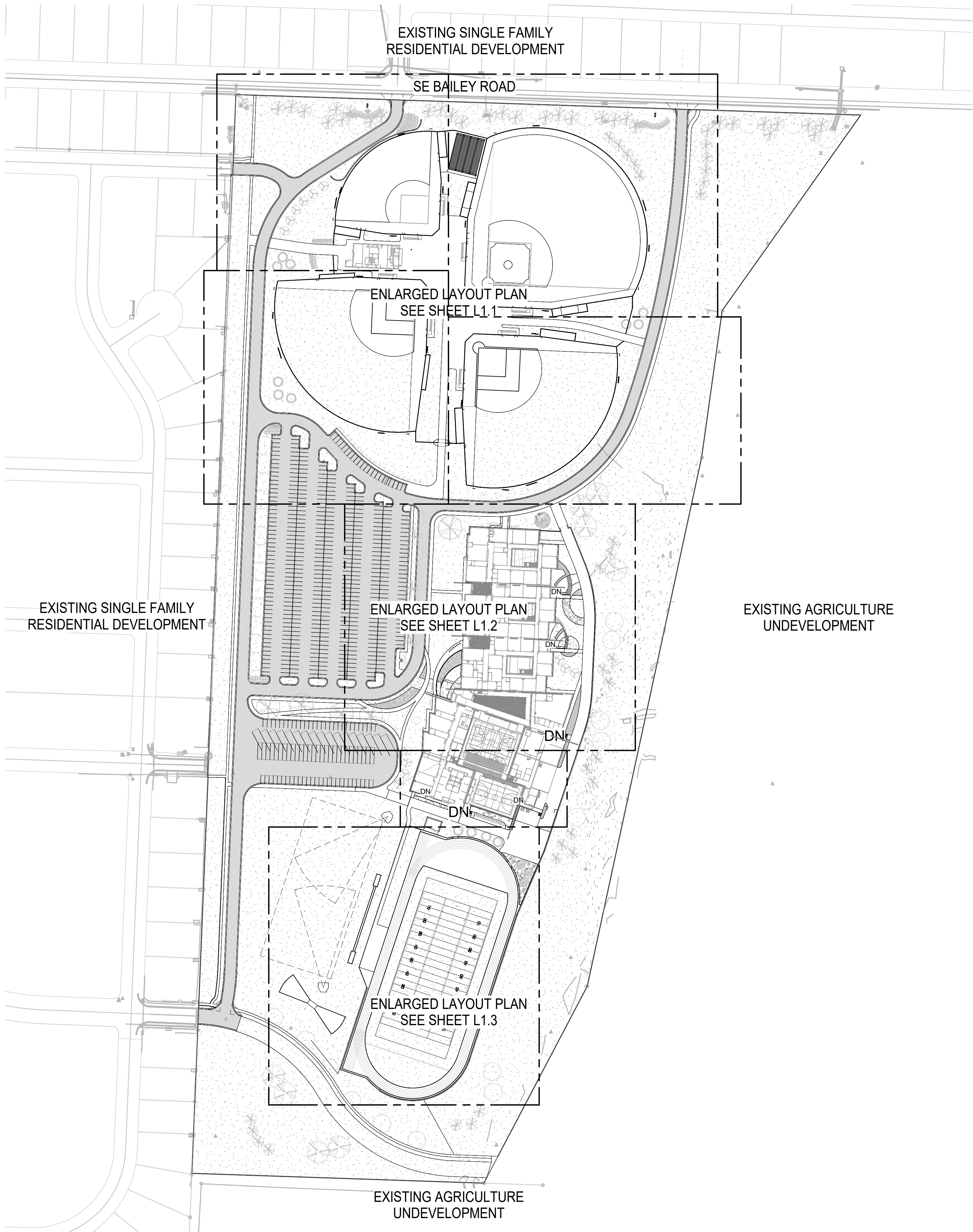
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UTILITY PLAN

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- LEGEND**
- PROPERTY LINE
 - LOT LINE
 - UTILITY EASEMENT
 - STORM SEWER
 - SANITARY SERVICE LINE
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 - FIRE HYDRANT
 - EXISTING SANITARY SEWER MAIN
 - EXISTING WATER MAIN
 - EXISTING COMMUNICATIONS LINE
 - EXISTING ELECTRIC LINE
 - EXISTING GAS MAIN





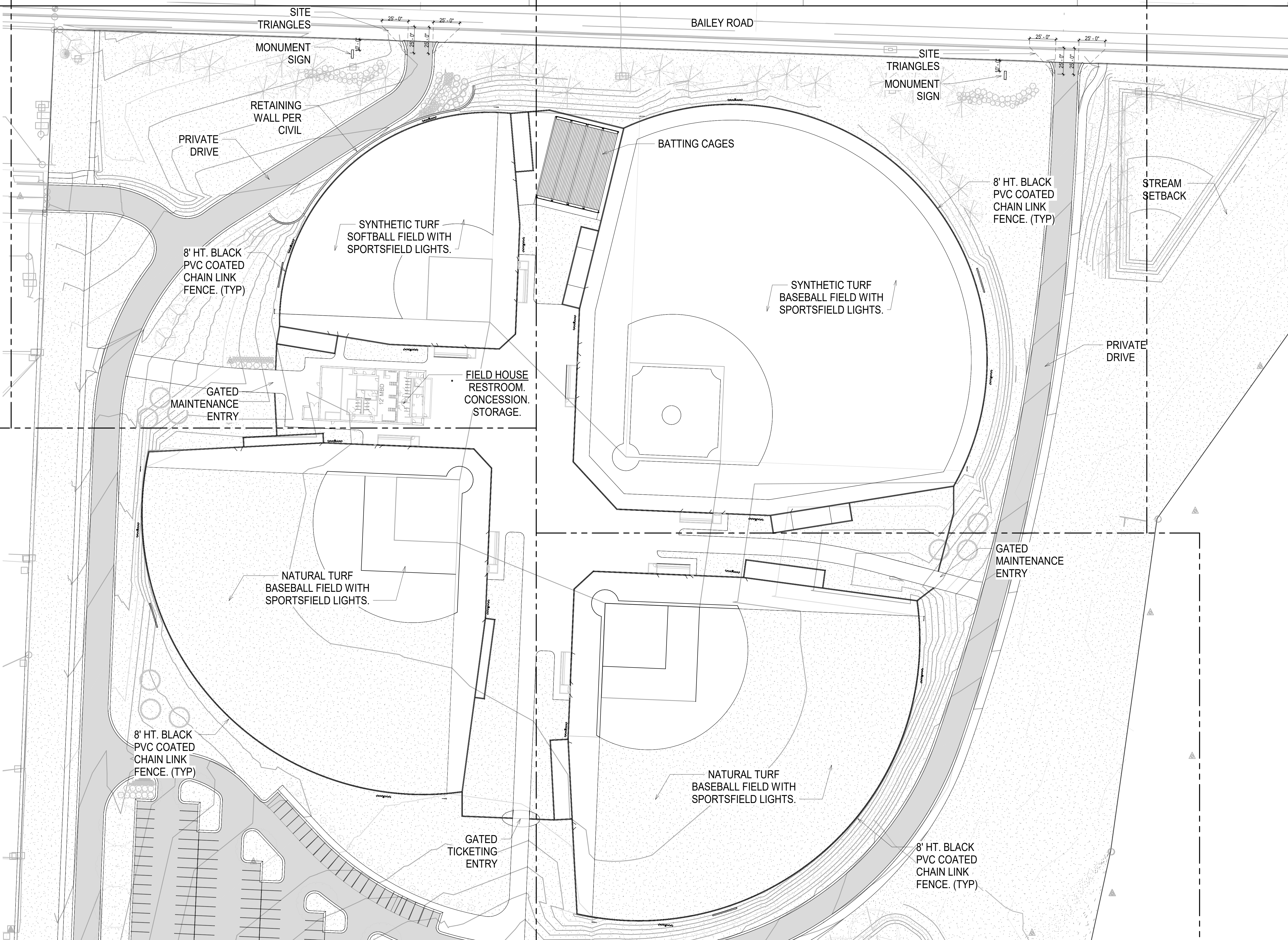
1 PDP-Overall Layout Plan
PDP-L1.0 SCALE: 1" = 120'-0"

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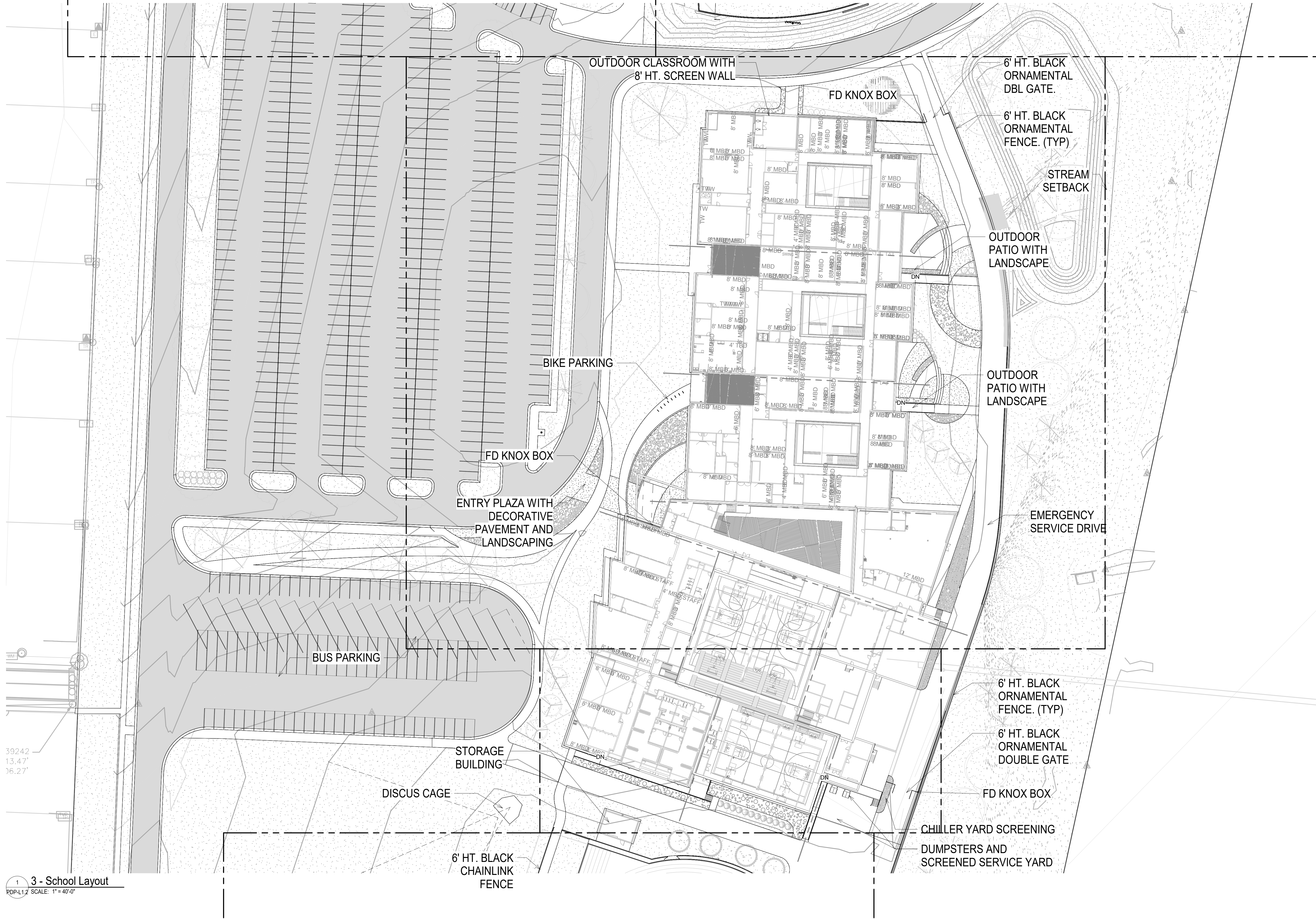
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2 - Ballfield Layout

PDP-L1 SCALE: 1"=40'-0"



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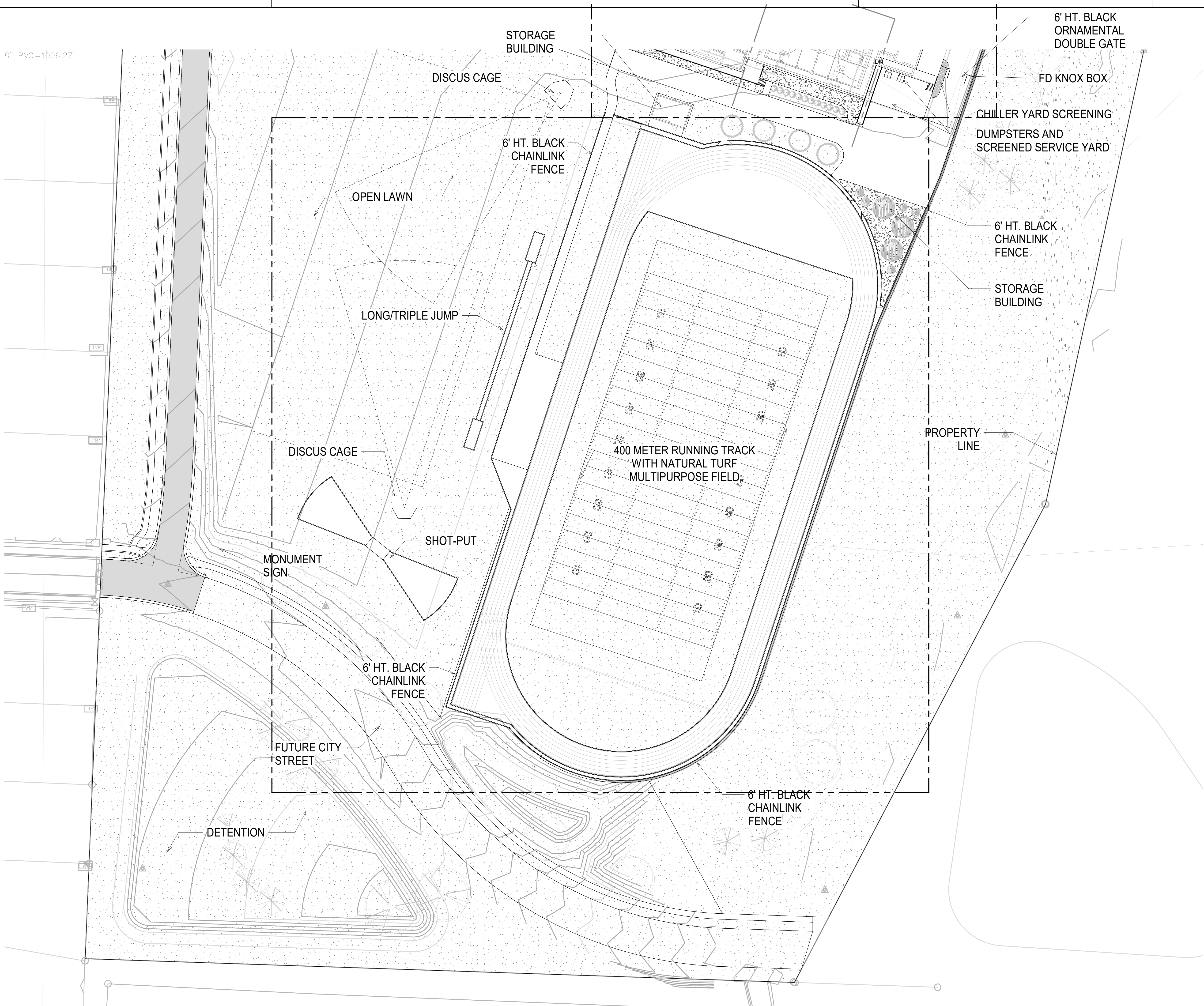


1 3 - School Layout
PDP-L1.2 SCALE: 1" = 40'-0"

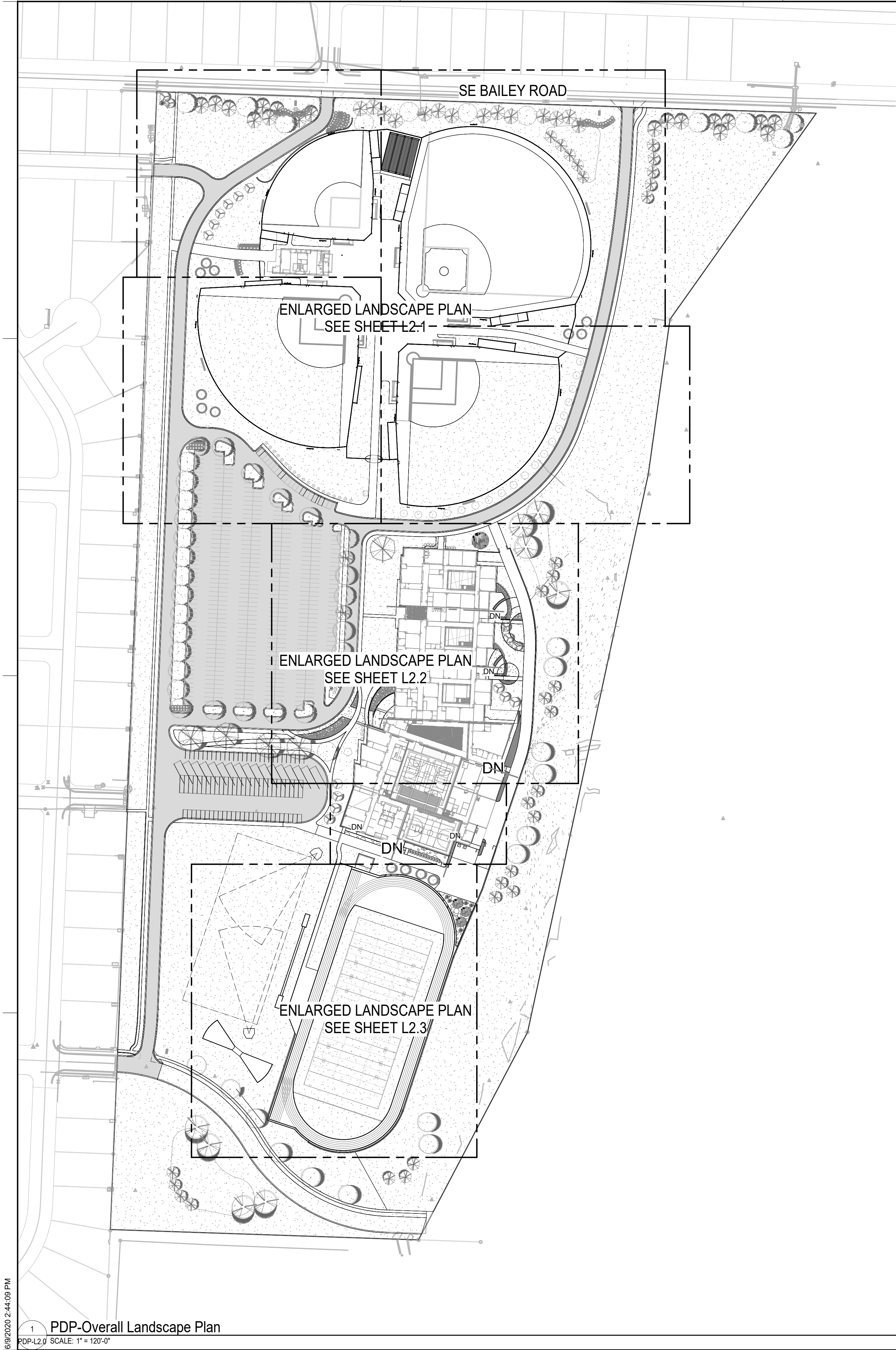
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6" PVC=1006.27'



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1 PDP-Overall Landscape Plan

PDP-L2.0 SCALE: 1" = 120'-0"

DECIDUOUS TREES		Botanical/Common	Cont	Cal	Size	Quantity
AS	Acer saccharum 'Autumn Splendor' / Autumn Splendor Sugar Maple	-	3"	Cal.		39
BH	Betula nigra 'Heritage' / Heritage River Birch	-	3"	Cal.		8
CA	Carpinus caroliniana 'Autumn Fire' / Autumn Fire American Hornbeam	-	3"	Cal.		35
CP	Celtis occidentalis 'Prairie Pride' / Prairie Pride Hackberry	-	3"	Cal.		16
QB	Quercus bicolor / Swamp White Oak	-	3"	Cal.		5
QC	Quercus bicolor 'Bonnie and Mike' TM / Beacon Oak	-	3"	Cal.		19
TS	Taxodium distichum 'Shawnee Brave' TM / Bald Cypress	-	3"	Cal.		30
EVERGREEN TREES		Botanical/Common	Cont	Cal	Size	Quantity
JB	Juniperus chinensis 'Blue Heaven' / Blue Heaven Juniper	-		8'-10'	HT.	9
JA	Juniperus virginiana 'Keteleeri' / Keteleeri Juniper	-		8'-10'	HT.	12
PF	Picea pungens 'Fat Albert' / Colorado Spruce	-		8'-10'	HT.	6
PS	Pinus strobus / White Pine	-		8'-10'	HT.	4
ORNAMENTAL TREES		Botanical/Common	Cont	Cal	Size	Quantity
AA	Amelanchier arborea 'Autumn Brilliance' / Downy Serviceberry	-		2"		13
MG	Magnolia virginiana 'Green Shadow' / Green Shadow Magnolia	-		2"		1
MP	Malus x 'Jefspire' TM / Purple Spire Columnar Crabapple	-		2"		27
MS	Malus x 'Spring Snow' / Spring Snow Crabapple	-		2"		25
Grasses		Botanical/Common	Cont			Quantity
BB	Bouteloua gracilis 'Blonde Ambition' / Blue Grama	1 GAL.				233
CL	Chasmanthium latifolium / Wood Oats	1 GAL.				112
PERENNIAL		Botanical/Common	Cont			Quantity
SM	Salvia x sylvestris 'May Night' / May Night Sage	1 GAL.				35
SHRUBS		Botanical/Common	Cont			Quantity
AI	Aronia melanocarpa 'Low Scape Mound' / Red Chokeberry	3 GAL				12
CH	Callicarpa x 'NCCX2' TM / Pearl Glam Beauty Berry	3 GAL				77
FB	Fothergilla gardenii 'Blue Mist' / Blue Mist Fothergilla	3 GAL				25
HA	Hydrangea quercifolia 'Amethyst' / Amethyst Oakleaf Hydrangea	3 GAL				16
HS	Hydrangea quercifolia 'Sike's Dwarf' / Sike's Dwarf Oakleaf Hydrangea	3 GAL				20
RG	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	3 GAL				6
EVERGREEN SHRUBS		Botanical/Common	Cont			Quantity
BG	Buxus x 'Green Mountain' / Green Mountain Boxwood	3 GAL				11
JO	Juniperus virginiana 'Grey Owl' / Eastern Redcedar	3 GAL				95

PLANTING REQUIREMENTS

SEC. 8.790 - LANDSCAPING-MIN. REQUIREMENTS

STREET FRONTAGE:

ONE TREE SHALL BE PLANTED FOR EACH 30 FEET OF STREET FRONTAGE. MIN. 20' WIDE LANDSCAPE STRIP SHALL BE PROVIDED ALONG THE LENGTH OF ANY STREET FRONTAGE

ONE SHRUB SHALL BE PROVIDED FOR EACH 20' OF STREET FRONTAGE

STREET FRONTAGE PLANTING PROVIDED:

1350 LINEAR FEET OF STREET FRONTAGE / 30' = 45 TREES
1350 LINEAR FEET OF STREET FRONTAGE / 20' = 68 SHRUBS

47 DECIDUOUS TREES PROVIDED
93 SHRUBS PROVIDED

SEC. 8.810 - PARKING LOT LANDSCAPING AND TREES

A LANDSCAPING ISLAND SHALL BE LOCATED AT THE END OF EVERY PARKING BAY BETWEEN THE LAST PARKING SPACE AND ADJACENT TRAVEL AISLE OR DRIVEWAY NO LESS THAN 9' WIDE & 1/2 THE LENGTH OF THE ADJACENT PARKING.

TOTAL
513 PARKING STALLS (Does not include bus & overflow)
8 PARKING BAYS = 8 LANDSCAPING ISLANDS REQUIRED

SEC. 8.900-REQUIRED TYPICAL IMPACT SCREENS

EXISTING DENSE TREE PLANTINGS TO REMAIN & PROVIDE REQUIRED SCREENING

SEC. 8.790.B.1 OPEN YARD SHRUB REQ'T.

MINIMUM OF 2 SHRUBS PER 5,000 SQUARE FEET OF TOTAL LOT AREA REQUIRED

TOTAL LOT AREA: 117,130 SF / 5,000 SF = 23.5 x 2 (SHRUBS/5,000 SF) = 47 TOTAL SHRUBS REQUIRED

TOTAL SHRUBS PROVIDED: 129

SEC. 8.810.A. PARKING LOT LANDSCAPE ISLANDS

LANDSCAPE ISLANDS, STRIPS OR OTHER PLANTING AREAS SHALL BE LOCATED WITHIN THE PARKING LOT AND SHALL CONSTITUTE AT LEAST 5% OF THE ENTIRE AREA DEVOTED TO PARKING SPACES

ENTIRE PARKING AREA: 266,995 SF

LANDSCAPE AREA WITHIN PARKING AREA: 38,450 SF

38,450 SF / 266,995 SF = 14.4% TOTAL PARKING AREA DESIGNATED FOR PLANTING

LANDSCAPE NOTES:

1. THE CONTRACTOR WILL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND STRUCTURES BEFORE COMMENCING WORK. THE CONTRACTOR WILL CONDUCT HIS WORK SO AS TO PREVENT INTERRUPTION OF SERVICE OR DAMAGE TO THEM. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES AND STRUCTURES.

2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES BEFORE STARTING ANY WORK.

3. EXISTING UNDERGROUND (U/G) UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO NOTIFY THE UTILITY COMPANIES TO LOCATE UTILITIES BEFORE ACTUAL CONSTRUCTION.

4. THE CONTRACTOR WILL SHOW PROOF OF PROCUREMENT, SOURCES, QUANTITIES AND VARIETIES FOR ALL SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, AND ANNUALS.

5. SUBSTITUTIONS WILL BE ALLOWED ONCE THE CONTRACTOR HAS EXHAUSTED ALL SOURCES FOR THE SPECIFIED MATERIAL, AND HAS PROVEN THAT THE SPECIFIED MATERIAL IS NOT AVAILABLE. THE CONTRACTOR MUST PROVIDE NAME AND VARIETY OF SUBSTITUTION IN THE SUBSTITUTION REQUEST FORM TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO TAGGING OR PLANTING. SUBSTITUTIONS WILL BE NEAREST EQUIVALENT SIZE OF VARIETY OF PLANT HAVING SAME ESSENTIAL CHARACTERISTICS.

6. SIZE AND QUALITY OF PLANT MATERIAL WILL CONFORM TO AMERICAN STANDARDS FOR NURSERY STOCK, ANSI 280-1992, OR MOST RECENT EDITION.

7. ALL PLANT MATERIAL WILL BE NURSERY GROWN, SOUND, HEALTHY, VIGOROUS AND FREE FROM INSECTS, DISEASE AND INJURIES, WITH HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES. SIZES WILL BE EQUAL TO OR EXCEEDING SIZES INDICATED ON THE PLANT LIST. THE CONTRACTOR WILL SUPPLY PLANTS IN QUANTITY AS SHOWN ON THE DRAWINGS.

8. THE CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING POSITIVE SURFACE DRAINAGE IS PROVIDED IN ALL PLANTING AND TURF AREAS. ALL GRADE SURFACES WILL BE FINISHED TO UNIFORM GRADES AND SLOPED IN SUCH A MANNER TO BE FREE OF DEPRESSIONS THAT CAUSE AREAS OF STANDING WATER. THE CONTRACTOR WILL REPORT ANY CONFLICTS WITH THIS REQUIREMENT TO THE LANDSCAPE ARCHITECT/OWNER FOR RESOLUTION PRIOR TO FINAL OPERATIONS.

9. THE CONTRACTOR WILL REPORT SUB-SURFACE SOIL OR DRAINAGE ISSUES TO THE LANDSCAPE ARCHITECT.

10. CONTRACTOR SHALL STAKE PLANT LOCATIONS IN THE FIELD AND HAVE APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE PLANT PITS ARE EXCAVATED AND BEFORE PROCEEDING WITH INSTALLATION.

11. TREES, SHRUBS & GROUND COVERS SHALL BE LAID OUT IN A UNIFORM AND CONSISTENT PATTERN.

12. CONTRACTOR TO PLACE MULCH AROUND ALL TREES AND IN ALL PLANTING BEDS UNLESS OTHERWISE NOTED, TO A DEPTH OF 3" OR AS DESCRIBED IN THE SPECIFICATIONS. ALL PLANTING BEDS TO BE SEPARATED FROM LAWN AREAS WITH SPECIFIED EDGING OR CONCRETE CURB EDGE PER DRAWINGS.

13. ELEVATION OF TOP OF MULCH SHALL BE 1/2" MIN. BELOW ANY ADJACENT PAVEMENT OR 2" min. BELOW FINISHED FLOOR ELEVATION.

14. ALL SHRUB BEDS SHALL BE MULCHED WITH SPECIFIED ORGANIC OR DECORATIVE AGGREGATE MULCH AND SEPARATED FROM LAWN AREAS WITH SPECIFIED EDGING OR CONCRETE CURB EDGE PER DRAWINGS.

15. CONTRACTOR SHALL FINE GRADE AND SEED ALL AREAS DISTURBED DURING CONSTRUCTION AND ESTABLISH NEW LAWN AREA, NOT DESIGNATED FOR SOD, NATIVE MEADOW, OR PLANTING BEDS. CONTRACTOR TO SEED ALL AREAS WITHIN CONTRACT LIMITS NOT COVERED BY PAVING, BUILDINGS, OR PLANTING BEDS UNLESS OTHERWISE NOTED.

16. CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING ACTUAL AREAS OF SEED AND QUANTITIES REQUIRED FOR COVERAGE.

17. ALL PLANT MATERIALS DELIVERED TO THE SITE FOR APPROVAL AND INSTALLATION SHALL BE IDENTIFIED AND TAGGED. TO ENSURE THE PLANTS PROVIDED ARE AS SPECIFIED, PLANTS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

18. ALL TREES SHALL BE CALLIPERED AND UNDERSIZED TREES SHALL BE REJECTED.

19. PLANT QUANTITIES ARE PROVIDED FOR CONTRACTOR CONVENIENCE ONLY. PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLANS.

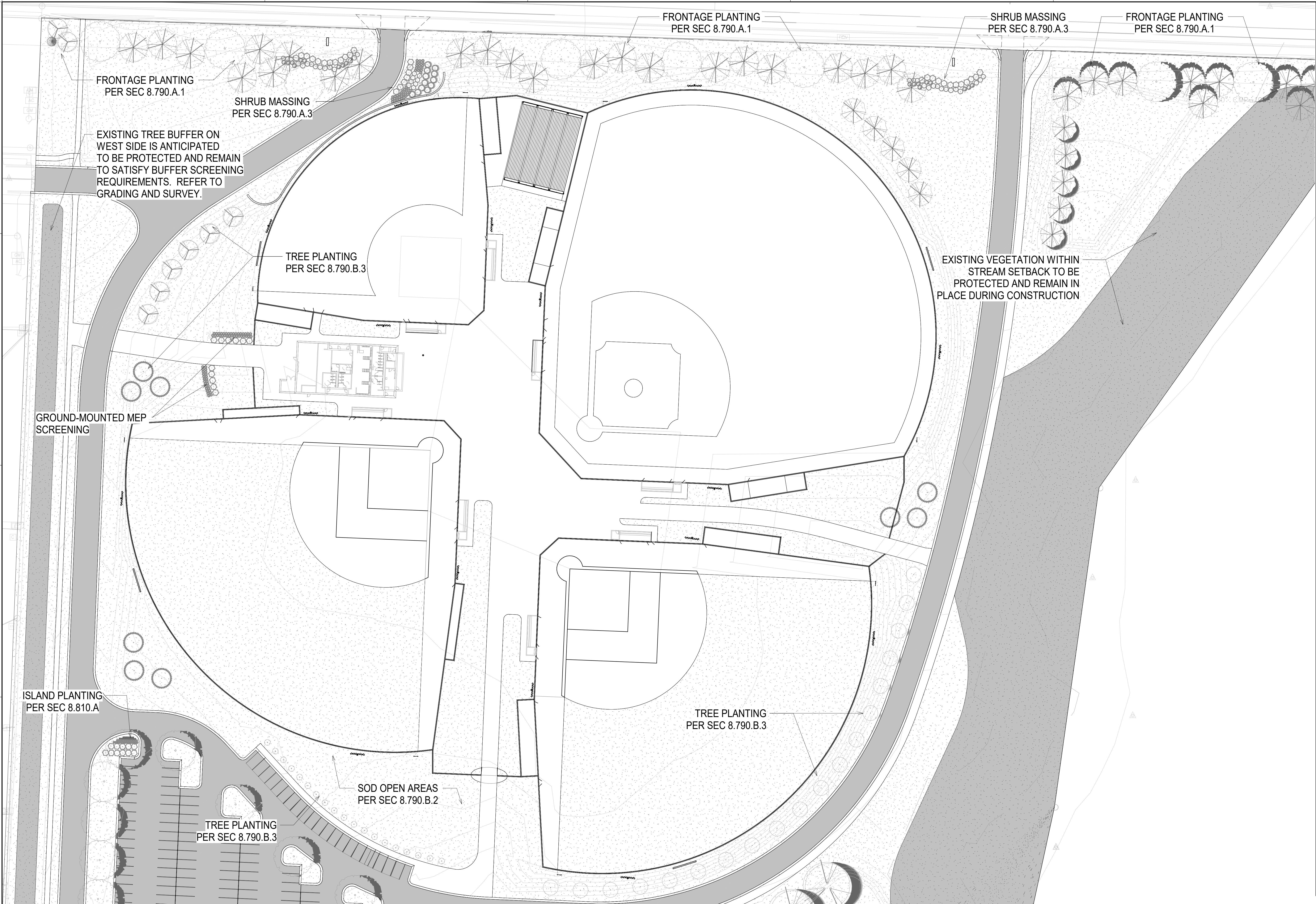
20. SPACING OF ALL PLANTINGS TO BE AS SHOWN ON PLANS.

21. ALL LANDSCAPE AREAS AND PLAYING FIELD AREAS TO HAVE A MINIMUM OF 6" TOPSOIL.

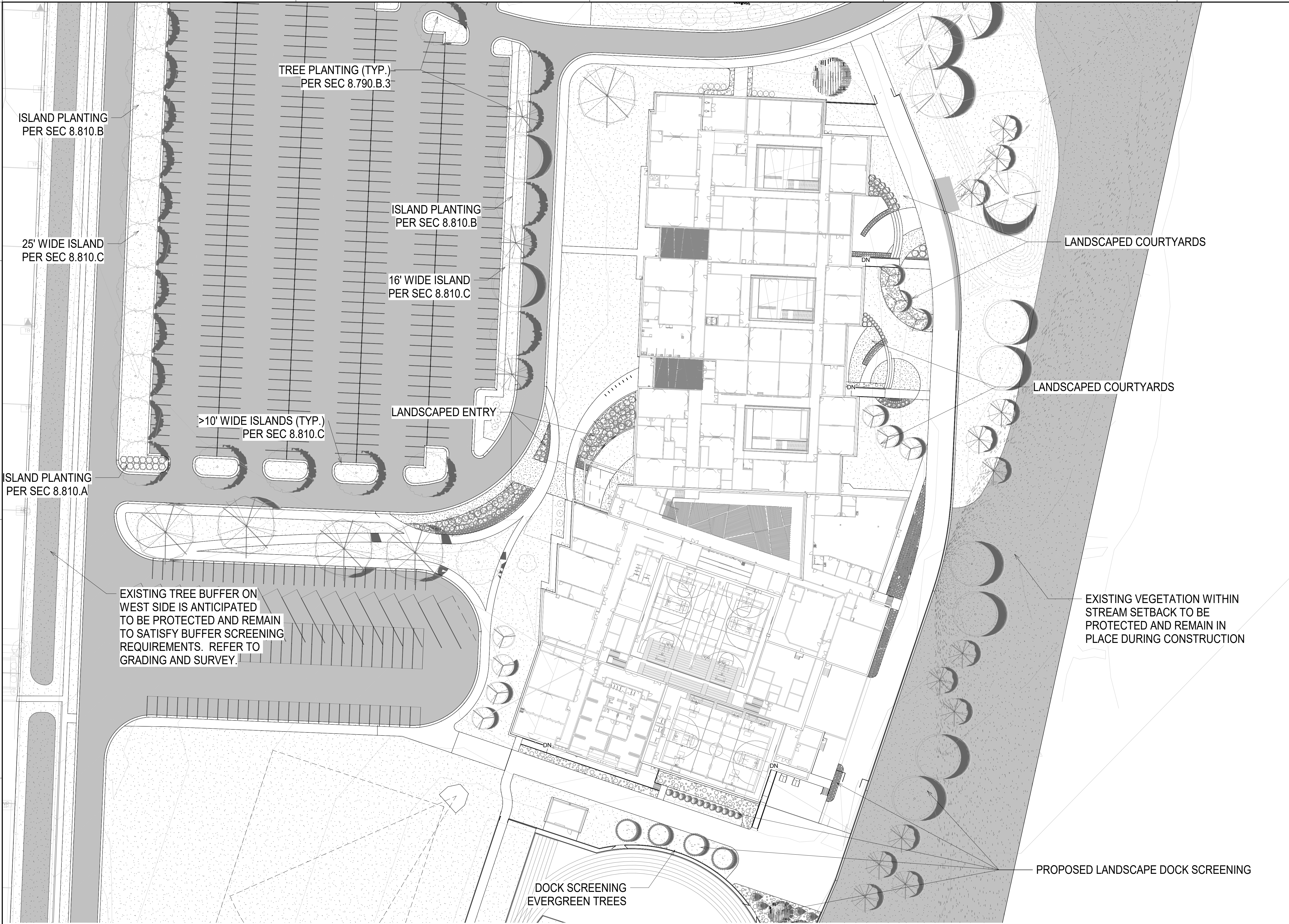
22. ALL TURF AREAS TO HAVE 4" MINIMUM OF IMPORTED TOPSOIL - SEE SPECS FOR SOIL AMENDMENTS.

23. PROVIDE, INSTALL, AND INCORPORATE SOIL AMENDMENTS PER RECOMMENDATIONS PER THE SOILS REPORT.

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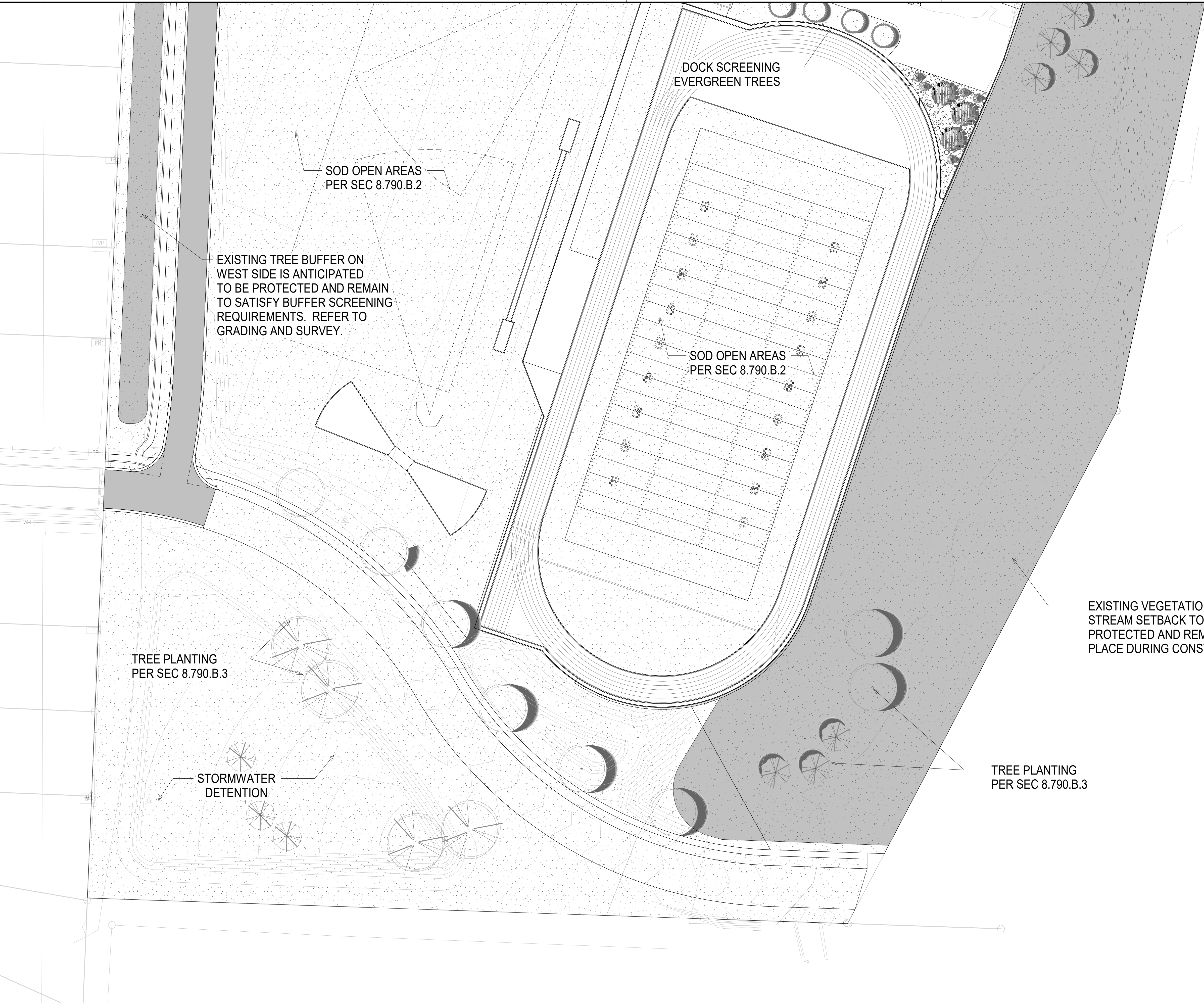


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1 School Landscape Plan
PDP-L2.2 SCALE: 1" = 40'-0"

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1 Enlarged Track Landscape
PDP-L2.3 SCALE: 1" = 40'-0"

LEE'S SUMMIT R-7 SCHOOL DISTRICT

PRELIMINARY
DEVELOPMENT
PLAN
06/09/20
REVISIONS

LANDSCAPE
DETAILS

PDP-L3.1



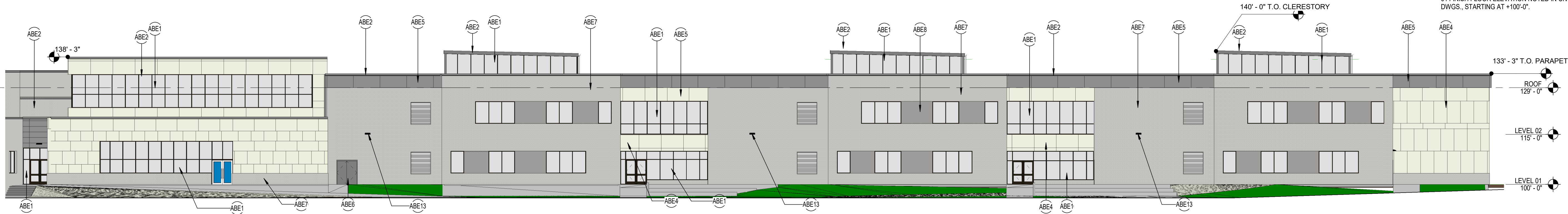
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PDP-L3.

SIGN ELEVATION

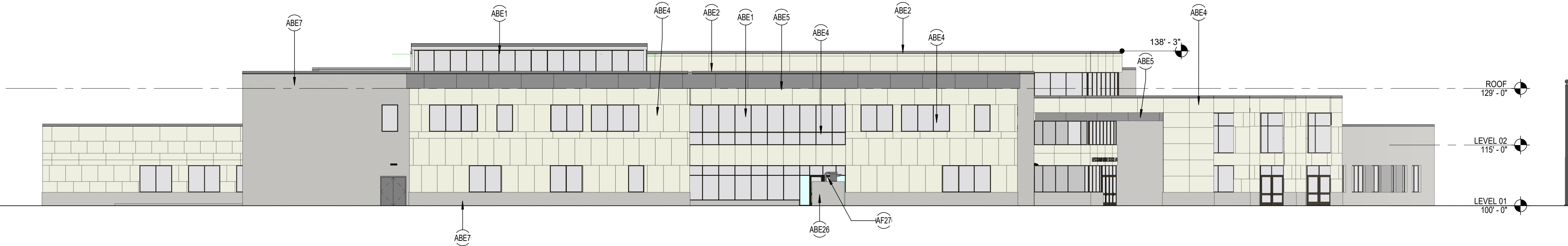
MONUMENT SIGN SECTION

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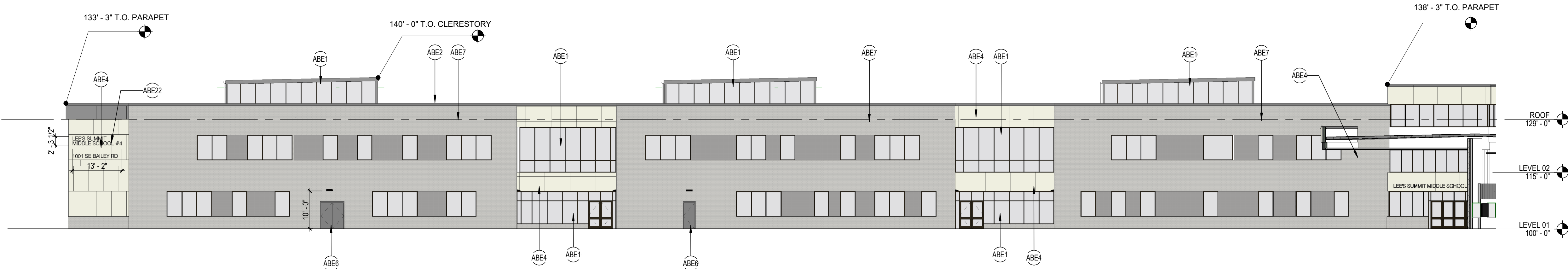
11 EAST ELEVATION-ACADEMICS
A5.01 SCALE: 1/16" = 1'-0"



31 NORTH ELEVATION-ACADEMICS
A5.01 SCALE: 1/16" = 1'-0"



51 WEST ELEVATION-ACADEMICS-MAIN ENTRY
A5.01 SCALE: 1/16" = 1'-0"



KEYNOTE LEGEND

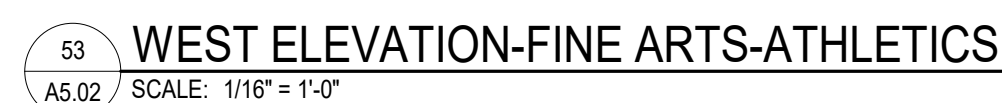
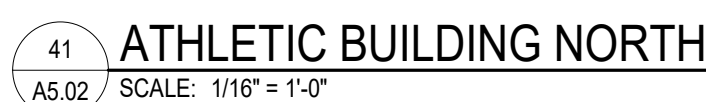
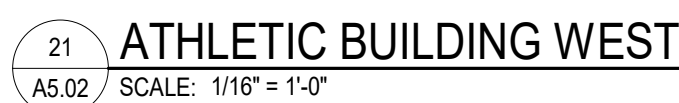
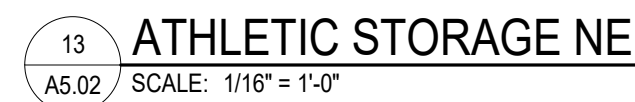
- ABE1 ALUMINUM STOREFRONT SYSTEM (DARK BRONZE) WITH CLEAR GLAZING
ABE2 PREFINISHED METAL COPING
ABE4 CEMENTITIOUS WALL PANEL (CP-1) AMERICAN FIBER CEMENT S-282 SATURN, OR EQ.
ABE5 CEMENTITIOUS WALL PANEL (CP-2) AMERICAN FIBER CEMENT S-330 MERCURY, OR EQ.
ABE6 HOLLOW METAL DOOR AND FRAME
ABE7 FACE BRICK (FB-1) MODULAR, ACME MARBLE GRAY VELOUR PEP166, OR EQ.
ABE8 FACE BRICK (FB-2) MODULAR, ACME STEELE GRAY VELOUR PEP160, OR EQ.
ABE13 BUILDING MOUNTED LIGHT FIXTURE, RE. ELEC.
ABE22 ALUMINUM DIMENSIONAL LETTER SIGNAGE
ABE26 CANTILEVERED MASONRY SCREEN WALL AT DUST COLLECTORS

GENERAL NOTES

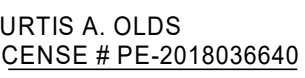
1. ELEVATIONS ARE SHOWN RELATIVE TO LEVEL 01 FINISH FLOOR ELEVATION NOTED IN CIVIL DWGS., STARTING AT +100'-0".

KEYNOTE LEGEND

- | | |
|-------|---|
| ABE1 | ALUMINUM STOREFRONT SYSTEM (DARK BRONZE) WITH CLEAR GLAZING |
| ABE2 | REFINISHED METAL COPING. |
| ABE4 | CEMENTITIOUS WALL PANEL, (CP-1) AMERICAN FIBER CEMENT S-282 SATURN, OR EQ. |
| ABE5 | CEMENTITIOUS WALL PANEL, (CP-2) AMERICAN FIBER CEMENT S-030 MERCURY, OR EQ. |
| ABE6 | HOLLOW METAL DOOR AND FRAME. |
| ABE7 | FACE BRICK (FB-1) MODULAR, ACME MARBLE GRAY VELOUR PEP166, OR EQ. |
| ABE8 | FACE BRICK (FB-2) MODULAR, ACME STEEL GRAY VELOUR PEP160, OR EQ. |
| ABE9 | THIN BRICK (TB-1) OVER PRECAST. THIN BRICK TO MATCH FB-1. |
| ABE13 | BUILDING MOUNTED LIGHT FIXTURE, RE: ELEC. |
| ABE17 | ALUMINUM WALL LOUVER, RE: MECH. |
| ABE18 | CONDUCTOR HEAD WITH DOWNSPOUT W/ BOOT TO STORM |
| ABE21 | GROUND FACE MASONRY BLOCK |
| ABE22 | ALUMINUM DIMENSIONAL LETTER SIGNAGE |
| ABE24 | OVERHEAD COILING DOOR |
| ABE25 | OVERHEAD COUNTER DOOR |
| ABE27 | CANTILEVERED MASONRY AND FACE BRICK SCREEN WALL AT MECH. EQUIPMENT |
| ABE28 | VERTICAL PICKET GALVANIZED METAL GATES AT MECH. EQUIPMENT |
| ABE29 | ELECTRIC WATER COOLER |



1. REFER TO E01.01 FOR SITE PHOTOMETRIC GENERAL NOTES.
2. REFER TO E01.01 FOR PHOTOMETRIC CALCULATIONS SUMMARIES



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1950005054
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2020

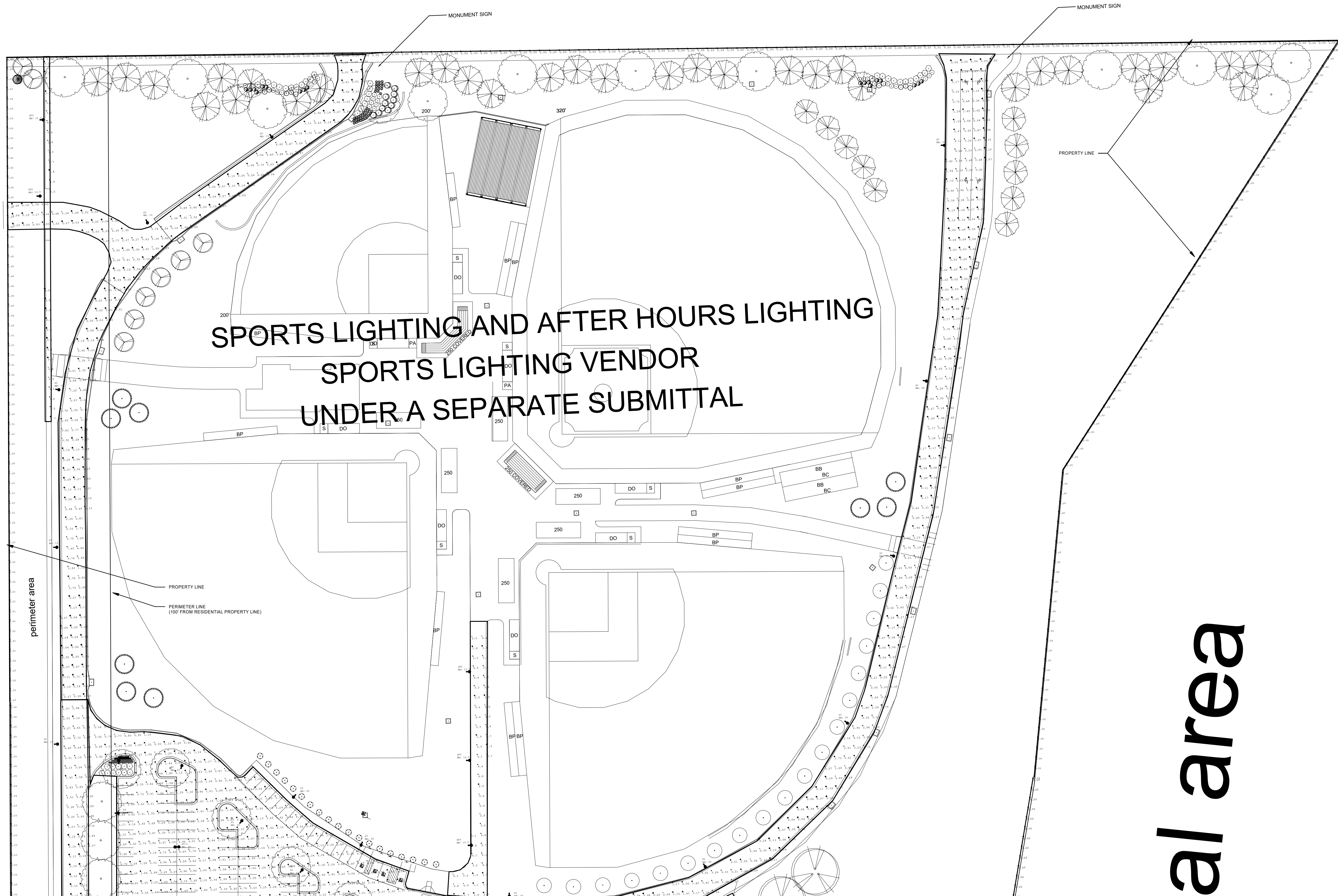
LEE'S SUMMIT MIDDLE SCHOOL #4
LEE'S SUMMIT R-7 SCHOOL DISTRICT
Lee's Summit, MO. TBD

DP SUBMITTAL
6/09/2020
REVISIONS

13-20102-00

SITE LIGHTING
PHOTOMETRIC
PLAN

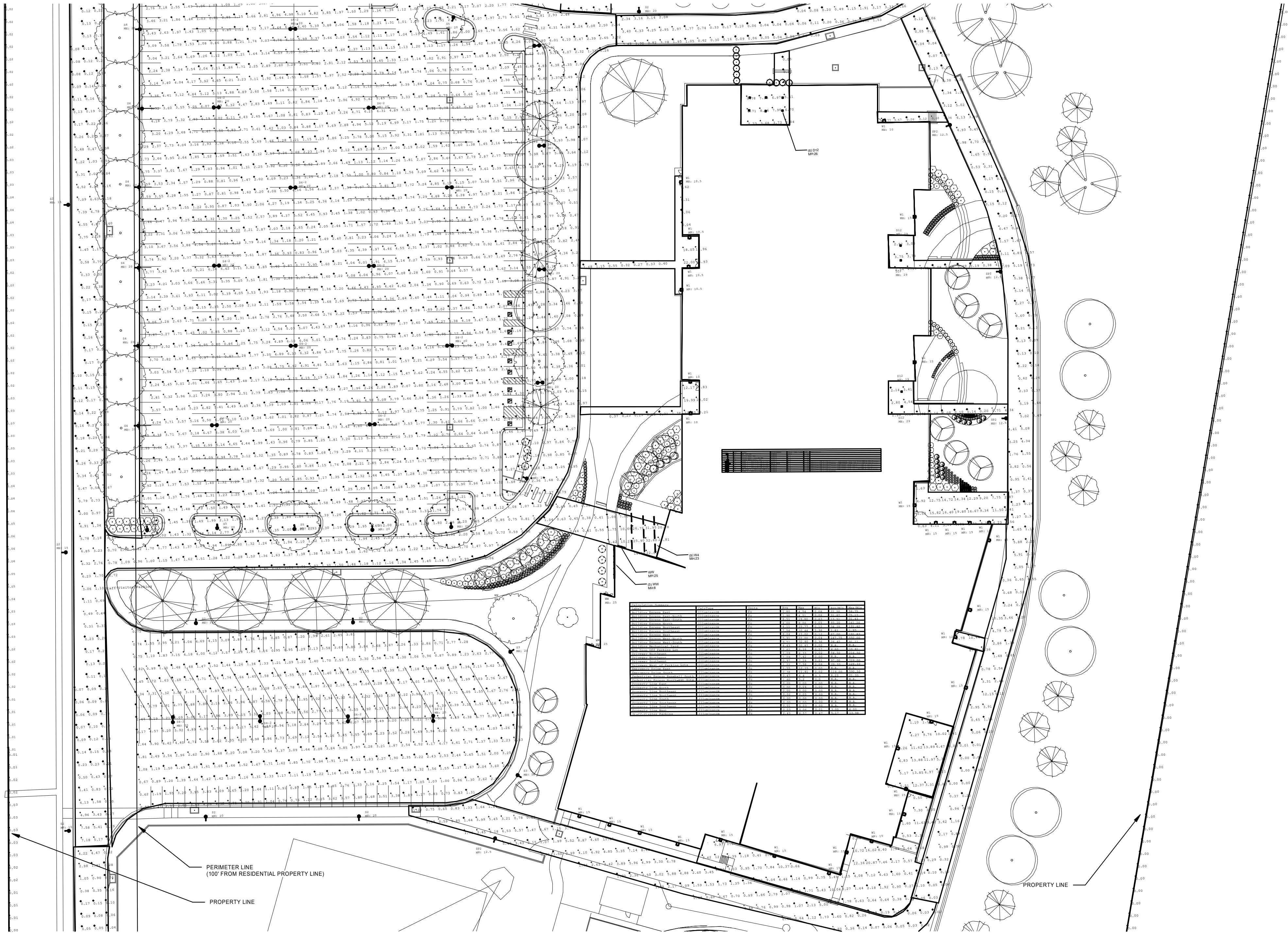
E.010



① PHOTOMETRIC SITE PLAN - AREA 1
1" = 50'-0"

al area

CURTIS A. OLDS



1 PHOTOMETRIC SITE PLAN - AREA 2
1" = 50'-0"

SITE PHOTOMETRIC GENERAL NOTES:

1. DISCLAIMER: THE LOCATION AND SELECTION OF THE EXISTING SITE LIGHTING FIXTURES ARE OUTSIDE OF THE SCOPE OF WORK. THE USE OF THE SEAL AND SIGNATURE ON THIS SHEET APPLIES TO SCOPE OF SERVICES ONLY.
 - A. LIGHTING PATTERN USED FOR LUMINAIRES REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY LUMINAIRE MAY VARY DUE TO VARIATION IN VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD AND EQUIPMENT CONDITIONS.
 - B. SOFTWARE USED FOR PHOTOMETRIC CALCULATIONS: AGI32 - V19.3
2. THE NEW SITE LIGHTING FOR THE NEW PARKING AREAS IS DESIGNED TO MEET THE FOLLOWING CRITERIA EXCEPT WHERE LIMITED BY SITE CONSTRAINTS AND LOCAL REQUIREMENTS:
 - A. AVG MAINTAINED HORIZONTAL ILLUMINATION LEVEL AT FINISHED GRADE NO LESS THAN 2 FC AT THE FRONT PARKING AREAS.
 - B. AVG MAINTAINED HORIZONTAL ILLUMINATION LEVEL AT FINISHED GRADE NO LESS THAN 2 FC AT THE REAR PAVED AREAS AND DRIVE AISLES.
 - C. MAXIMIN RATIO FOR EACH NEW PARKING AREA SHALL BE LESS THAN 10:1.
 - D. MAXIMUM HORIZONTAL ILLUMINATION LEVEL OF 1 FC AT FINISHED GRADE AT ALL RESIDENTIAL PROPERTY LINES.
 - E. MAXIMUM VERTICAL ILLUMINATION LEVEL OF 1 FC AT 6'-0" ABOVE FINISHED GRADE AT ALL RESIDENTIAL PROPERTY LINES.
 - F. PHOTOMETRIC CALCULATION GRID SHALL NOT EXCEED A 10' X 10' SPACING.
 - G. THE TOTAL LIGHT LOSS FACTOR USED FOR THE CALCULATIONS SHALL BE .9 OF INITIAL LUMEN OUTPUT FOR LED SOURCES AND .9 FOR EXISTING SOURCES SOURCES, UNLESS NOTED OTHERWISE.
 - H. MAXIMUM POLE MOUNTED LUMINAIRE MOUNTING HEIGHT (INCLUDING POLE AND BASE) OF 20' ABOVE FINISHED GRADE (A.F.G.) OUTSIDE PERIMETER AREA. INSIDE PERIMETER AREA MAX HEIGHT OF POLE MOUNTED LUMINAIRES IS 15' A.F.G. MAXIMUM HEIGHT OF PEDESTIAN POLE FIXTURES IS 12.5' A.F.G. MAXIMUM HEIGHT OF BUILDING MOUNTED AREA TYPE LIGHT FIXTURES IS 15' A.F.G.
 - I. MOUNTING HEIGHTS UNITS ON SITE PLANS ARE LISTED IN FEET AND ARE NOTED FOR EACH INDIVIDUAL FIXTURE. (MH: XX)

CURTIS A. OLDS
LICENSE # PE-2018036640

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MO CORPORATE NO. E-556D
EXPIRES 12/31/2020

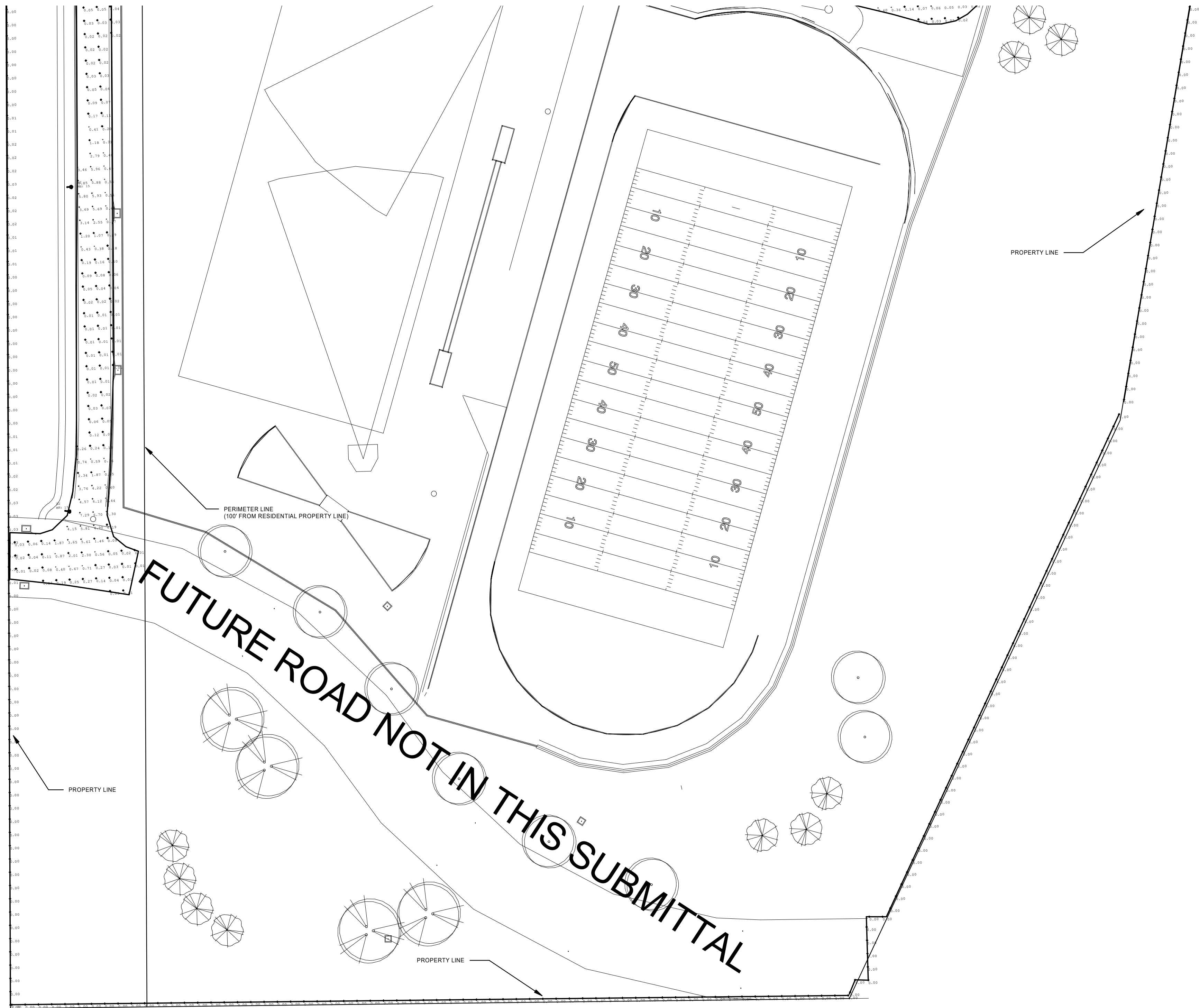
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LEE'S SUMMIT R-7 SCHOOL DISTRICT
Lee's Summit, MO, TED

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06/09/2020
REVISIONS

13-20102-00

SITE LIGHTING
PHOTOMETRIC
PLAN

E.011



① PHOTOMETRIC SITE PLAN - AREA 3
1" = 50'-0"

SITE PHOTOMETRIC GENERAL NOTES:

1. REFER TO E01.01 FOR SITE PHOTOMETRIC GENERAL NOTES.
2. REFER TO E01.01 FOR PHOTOMETRIC CALCULATIONS SUMMARIES

