

**LAYOUT NOTES:**

- 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.
  - ALL CURBS/RAMPS TO BE BUILT IN COMPLIANCE WITH FEDERAL ACCESSIBILITY STANDARDS.
  - PAVING DIMENSIONS ARE TO BACK OF CURBS UNLESS OTHERWISE NOTED.
  - ALL WORK WILL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THESE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.
  - VERIFY LAYOUT COORDINATES PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO SUPPLY AND INSTALL ALL REQUIRED SLEEVES UNDER PAVING AND WALKS.
  - PLACE EXPANSION JOINTS AT VERTICAL ELEMENTS (BUILDING, COLUMNS, WALLS, BACK OF CURBS, ETC.) AND AT CHANGES IN GRADE AND DIRECTION AND APPROXIMATELY EVERY 30 LINEAR FEET.
  - WHERE NEW PAVEMENTS ARE CALLED FOR, PROVIDE AN EXPANSION JOINT AROUND ALL EXISTING UTILITIES, MANHOLES, POLES, LIGHTS, ETC.
  - SAWCUT JOINTS BETWEEN CRITICAL POINTS ARE TO BE EQUALLY SPACED, OR AS SHOWN ON DRAWINGS.
  - CONTRACTOR TO CONFIRM HORIZONTAL CONTROL POINTS IN THE FIELD. CONTRACTOR TO VERIFY HORIZONTAL CONTROL POINTS WITH HORIZONTAL COORDINATE POINTS.
  - ALL EXPOSED CONCRETE WALLS AND FOOTINGS TO HAVE A CONSISTENT RUBBED FINISH. CONTRACTOR TO PROVIDE MINIMUM 4 SQUARE FEET MOCK-UP FOR REVIEW AND APPROVAL.
  - CONTRACTOR TO PROVIDE MOCK-UP (4'X4') OF ALL PAVEMENT TYPES FOR REVIEW AND APPROVAL. ALL CONCRETE SIDEWALKS TO HAVE BROOM FINISH, UNLESS OTHERWISE INDICATED. MOCK-UP TO REMAIN ON SITE THROUGHOUT CONSTRUCTION.
  - ALL EXTERIOR GROUND OR BUILDING MOUNTED EQUIPMENT, INCLUDING BUT NOT LIMITED TO MECHANICAL EQUIPMENT, UTILITY METER BANKS, AND COOLERS, SHALL BE SCREENED FROM PUBLIC VIEW WITH LANDSCAPING OR AN ARCHITECTURAL TREATMENT COMPATIBLE WITH THE BUILDING ARCHITECTURE.
  - ALL ON-SITE WIRING AND CABLES SHALL BE PLACED UNDERGROUND.
16. ABBREVIATIONS:  
 TC = TOP OF CONCRETE  
 TD = TOP OF TRENCH DRAIN  
 TW = TOP OF WALL  
 GR = FINISH GRADE  
 FL = FLOW LINE  
 HP = HIGH POINT

**KEYNOTE LEGEND**

- STANDARD GRAY CONCRETE WALK WITH BROOM FINISH, RE: CIVIL
- DECORATIVE CONCRETE WALK WITH STANDARD BROOM FINISH, RE: CIVIL
- PLANTING AREA, SEE LANDSCAPE PLAN
- SOD, SEE LANDSCAPE PLAN
- BED EDGER, RE: 5/L4.0
- FLAGPOLE, RE: 6/L4.0
- SEATWALL, RE: 7/L4.0
- WASTE RECEPTACLE, RE: SPECS
- BIKE RACKS, RE: 8/L4.0
- MONUMENT SIGN, RE: 1/L4.3
- RETAINING WALL WITH SLEEVE-IT SYSTEMS AND 42" HEIGHT GUARDRAIL SYSTEM, RE: 6/L4.1
- DECORATIVE BOLLARD, RE: SPECS
- BOLLARD, RE: 10/L4.1
- HEAVY-DUTY PAVEMENT, RE: CIVIL
- BUILDING MOWSTRIP, RE: 11/L4.0
- 6" HT. ORNAMENTAL FENCE WITH MOWSTRIP, RE: 7/L4.1
- 6" HT. ORNAMENTAL GATE, RE: 8/L4.1
- 6" HT. PVC COATED CHAIN LINK FENCE, RE: 4/L4.1
- 6" HT. PVC COATED CHAIN LINK GATE, RE: 5/L4.1
- DECORATIVE GUARDRAIL, SIM TO: 1/L4.1
- STAIRS WITH HANDRAILS, RE: 15/L4.0
- RAMP WITH HANDRAILS, RE: 1/L4.1
- 6" HT. ORNAMENTAL GUARDRAIL, SIM TO: 7/L4.1
- 6" HT. CHAINLINK GUARDRAIL, SIM TO: 4/L4.1
- FOOTBALL FIELD SCOREBOARD, RE: SPECS
- FOOTBALL FIELD GOALPOST, RE: 1/L4.2
- 8' BALLFIELD CHAINLINK FENCE @ RETAINING WALL, RE: 10/L4.2
- LONG/TRIPLE SAND PIT, RE: 2/L4.2
- LONG/TRIPLE RUNWAY, RE: 3/L4.2
- DISCUS PAD AND CAGE, RE: 4/L4.2
- SHOT-PUT, RE: 4/L4.2
- RUNNING TRACK WITH SURFACING, RE: 6/L4.2
- TRACK SLOT DRAIN, RE: 6/L4.2
- TRACK TRENCH DRAIN, RE: 6/L4.2
- TRACK CATCH BASIN, RE: 6/L4.2
- TRACK RADIUS MONUMENT PIN, RE: 7/L4.2
- CONCRETE FIELD CURB, SIM TO: 6/L4.2
- LONG/TRIPLE TAKE-OFF BOARD, RE: SPECS
- 32' HT. PVC COATED CHAIN LINK BACKSTOP WITH MOWSTRIP, RE: 6/L4.3
- 6" HT. PVC COATED CHAINLINK OUTFIELD FENCE WITH PADDED TOP RAIL AND MOWSTRIP AND WALKER BOARD, RE: 6/L4.2
- SYNTHETIC TURF - OUTFIELD, RE: 11/L4.2
- SYNTHETIC TURF - INFIELD, RE: 11/L4.2
- SYNTHETIC TURF - WARNING TRACK, RE: 11/L4.2
- BASE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 12/L4.2
- HOME PLATE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 8/L4.2
- PANEL DRAIN, RE: 12/L4.2
- COLLECTOR PIPE, RE: 11/L4.2
- CLEAN-OUT WITH CAP, RE: 14/L4.2
- 6" HT. PVC COATED CHAINLINK GATE, RE: 5/L4.1
- FLY-ARC TRANSITION CURB, RE: 15/L4.2
- NATURAL INFELD FINES, RE: SPECS
- NATURAL WARNING TRACK FINES, RE: 3/L4.2
- BASE WITH SLEEVE (FOR NATURAL TURF), RE: 12/L4.2
- HOME PLATE WITH SLEEVE (FOR NATURAL TURF), RE: 12/L4.2
- SOFTBALL FOUL POLE, SIM TO: 4/L4.3
- BASEBALL FOUL POLE, SIM TO: 4/L4.3
- BASEBALL/SOFTBALL SCOREBOARD 1, RE: SPECS
- PITCHING RUBBER, RE: SPECS
- SPORTSFIELD LIGHTS, RE: ELEC.
- QUAD BATTING CAGES, RE: 5/L4.3
- SOFTBALL BULLPEN, RE: SPECS
- BASEBALL BULLPEN, RE: SPECS
- DUGOUT, RE: ARCH
- PORTABLE PITCHING MOUND, RE: SPECS
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- SURFACE MOUNTED GUARDRAIL, RE: 2/L4.1
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- 4" HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 5/L4.1
- 4" HT. PVC COATED CHAINLINK GATE, RE: 5/L4.1

1 OVERALL LAYOUT PLAN  
 L1.0 SCALE: 1" = 100'-0"



NOT FOR CONSTRUCTION

Consultant Logo

Project Logo

LEE'S SUMMIT MIDDLE SCHOOL #4  
 LEE'S SUMMIT R-7 SCHOOL DISTRICT  
 1001 SE BAILEY ROAD  
 LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN

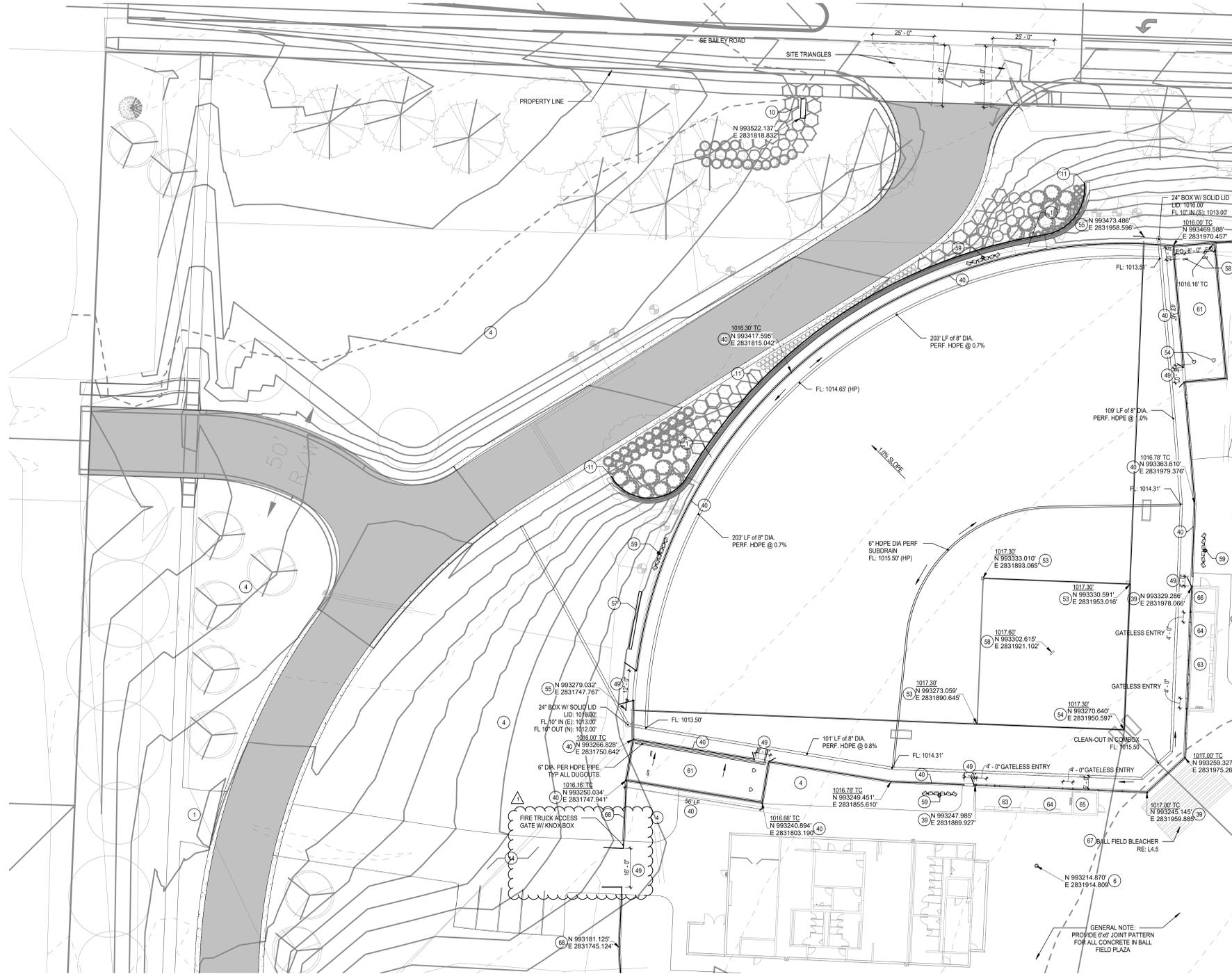
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 REVISIONS  
 △ REVISED PER CITY COMMENTS 10.01.20

13-20102  
 OVERALL LAYOUT PLAN

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 11/20/2020

L1.0

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- 7 SEATWALL, RE: 7L4.0
- 8 WASTE RECEPTACLE, RE: SPECS
- 9 BIKE RACKS, RE: 6L4.0
- 10 MONUMENT SIGN, RE: 1L4.3
- 11 RETAINING WALL WITH SLEEVE-IT SYSTEMS AND 42\"/>

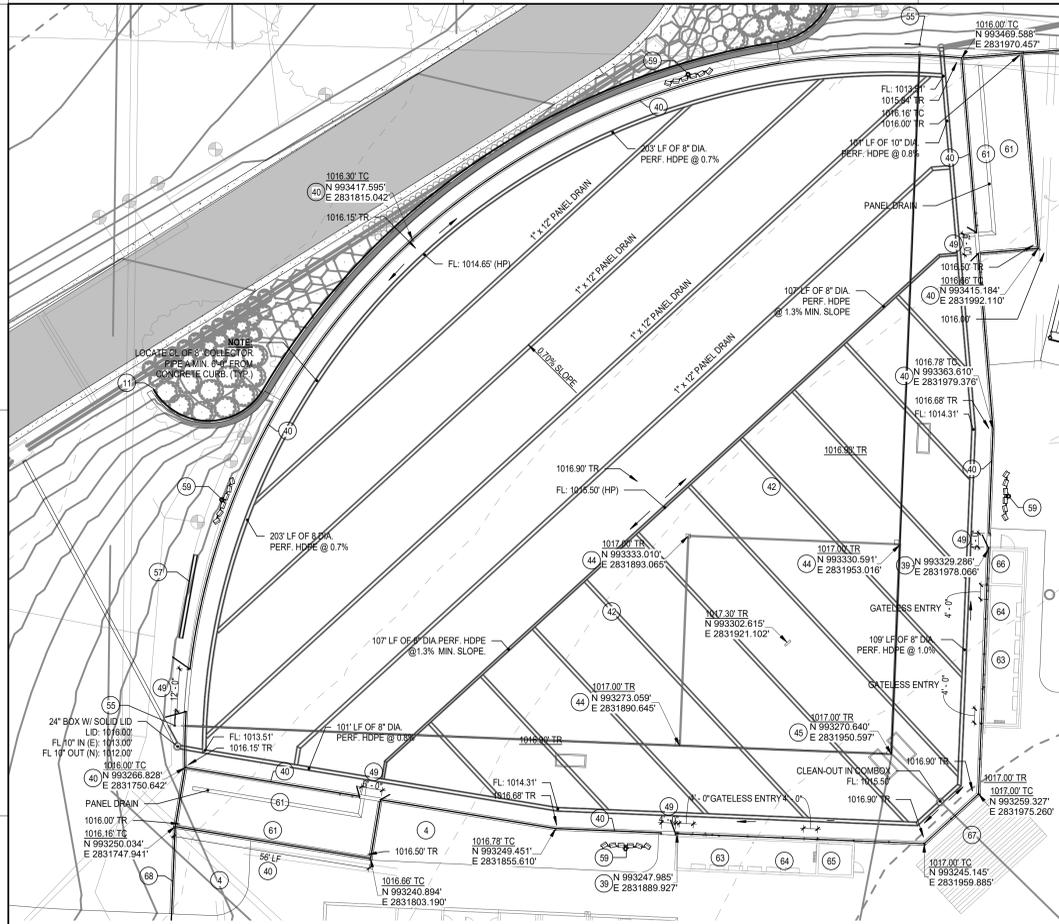
**KEYNOTE LEGEND**  
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**1 BASE BID - NATURAL NW FIELD LAYOUT**  
 SCALE: 1" = 20'-0"



**RELEASE FOR CONSTRUCTION**  
 AS NOTED ON PLANS REVIEW  
 DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
 11/20/2020

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**1 ALT #1 - SYNTHETIC TURF SOFTBALL FIELD LAYOUT**  
 L1.1A SCALE: 1" = 20'-0"



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- 6 FLAGPOLE, RE: 6L4.0
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- 8 WASTE RECEPTACLE, RE: SPECS
- 9 BIKE RACKS, RE: 8L4.0
- 10 MONUMENT SIGN, RE: 1A.4.3
- 11 RETAINING WALL WITH SLEEVE-IT SYSTEMS AND 42" HEIGHT GUARDRAIL SYSTEM, RE: 6L4.1
- 12 DECORATIVE BOLLARD, RE: SPECS
- 13 BOLLARD, RE: 10L4.1
- 14 HEAVY-DUTY PAVEMENT, RE: CIVIL
- 15 BUILDING MOWSTRIP, RE: 11L4.0
- 16 8" HT. ORNAMENTAL FENCE WITH MOWSTRIP, RE: 7L4.1
- 17 6" HT. ORNAMENTAL GATE, RE: 8L4.1
- 18 6" HT. PVC COATED CHAIN LINK FENCE, RE: 4L4.1
- 19 6" HT. PVC COATED CHAIN LINK GATE, RE: 5L4.1
- 20 DECORATIVE GUARDRAIL, SIM TO: 1A.4.1
- 21 STAIRS WITH HANDRAILS, RE: 15L4.0
- 22 RAMP WITH HANDRAILS, RE: 1A.4.1
- 23 6" HT. ORNAMENTAL GUARDRAIL, SIM TO: 7L4.1
- 24 6" HT. CHAINLINK GUARDRAIL, SIM TO: 4L4.1
- 25 FOOTBALL FIELD SCOREBOARD, RE: SPECS
- 26 FOOTBALL FIELD GOALPOST, RE: 1A.4.2
- 27 8" BALLFIELD CHAINLINK FENCE @ RETAINING WALL, RE: 10L4.2
- 28 LONG/TRIPLE SAND PIT, RE: 2A.4.2
- 29 LONG/TRIPLE RUNWAY, RE: 3A.4.2
- 30 DISCUS PAD AND CAGE, RE: 4L4.2
- 31 SHOT-PUT, RE: 4L4.2
- 32 RUNNING TRACK WITH SURFACING, RE: 6L4.2
- 33 TRACK SLOT DRAIN, RE: 6L4.2
- 34 TRACK TRENCH DRAIN, RE: 6L4.2
- 35 TRACK CATCH BASIN, RE: 6L4.2
- 36 TRACK RADIUS MONUMENT PIN, RE: 7L4.2
- 37 CONCRETE FIELD CURB, SIM TO: 6L4.2
- 38 LONG/TRIPLE TAKE-OFF BOARD, RE: SPECS
- 39 32" HT. PVC COATED CHAIN LINK BACKSTOP WITH MOWSTRIP, RE: 8L4.3
- 40 8" HT. PVC COATED CHAINLINK OUTFIELD FENCE WITH PADDED TOP RAIL AND MOWSTRIP AND WALKER BOARD, RE: 9L4.2
- 41 SYNTHETIC TURF - OUTFIELD, RE: 11L4.2
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- 43 SYNTHETIC TURF - WARNING TRACK, RE: 11L4.2
- 44 BASE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 12L4.2
- 45 HOME PLATE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 8L4.2
- 46 PANEL DRAIN, RE: 12L4.2
- 47 COLLECTOR PIPE, RE: 11L4.2
- 48 CLEAN-OUT WITH CAP, RE: 14L4.2
- 49 8" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1
- 50 FLY-ARC TRANSITION CURB, RE: 15L4.2
- 51 NATURAL INFIELD FINES, RE: SPECS
- 52 NATURAL WARNING TRACK FINES, RE: 3A.4.2
- 53 BASE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- 54 HOME PLATE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- 55 SOFTBALL FOUL POLE, SIM TO: 4L4.3
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- 61 SOFTBALL BULLPEN, RE: SPECS
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- 64 PORTABLE PITCHING MOUND, RE: SPECS
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- 66 SURFACE MOUNTED GUARDRAIL, RE: 2L4.1
- 67 BLEACHER, RE: 1L4.4
- 68 8" HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 5L4.1
- 69 4" HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 5L4.1
- 70 4" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1

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Consultant Logo

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 LEE'S SUMMIT, MO 64081

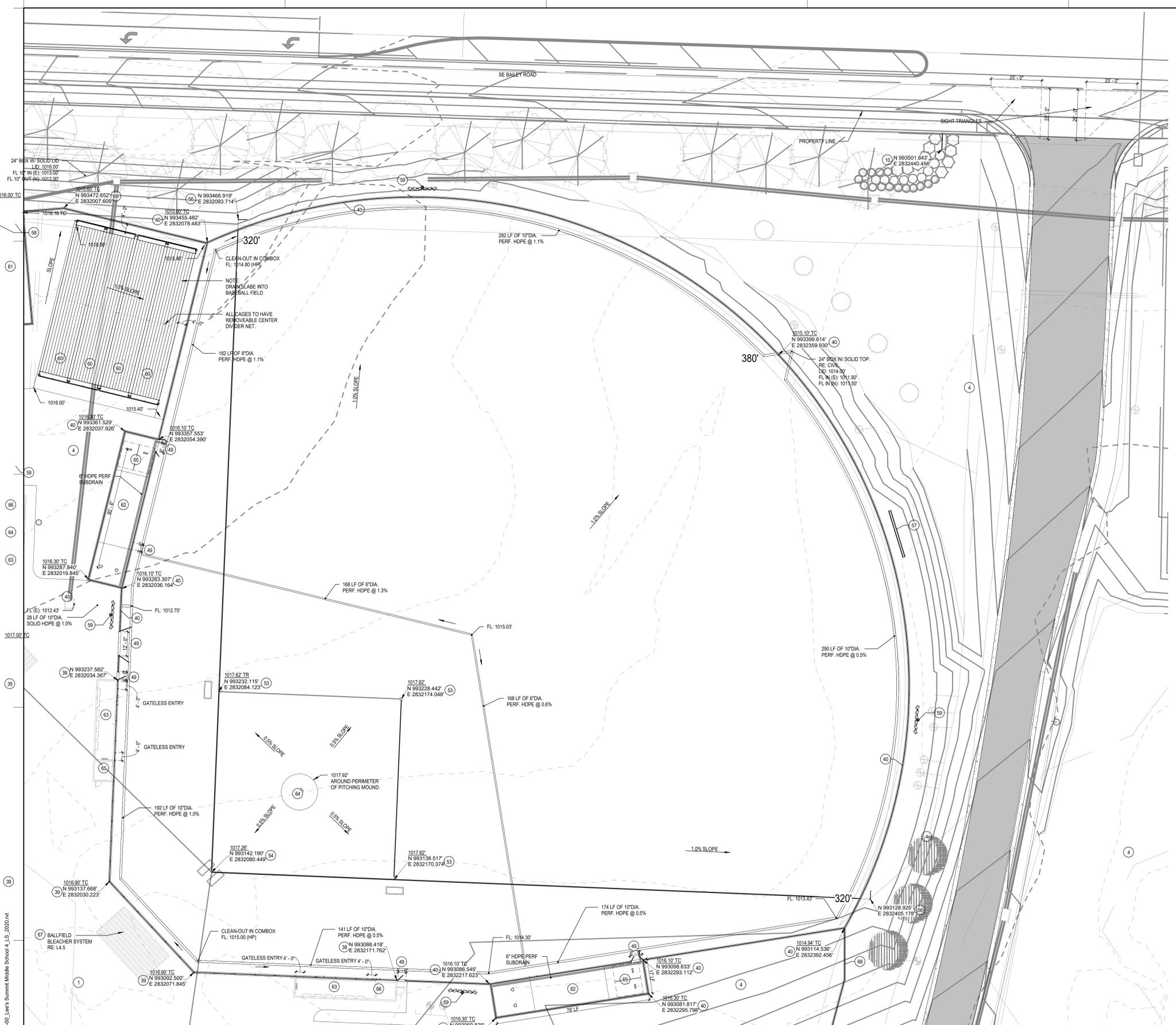
FINAL DEVELOPMENT PLAN

08/28/20  
 REVISIONS  
 ▲ REVISED PER CITY COMMENTS 10.01.20

13-20102  
 ALTERNATE ENLARGED LAYOUT PLAN

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI  
 11/20/2020

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- LONG/TRIPLE TAKE-OFF BOARD, RE: SPECS
- 32" HT. PVC COATED CHAIN LINK BACKSTOP WITH MOWSTRIP, RE: 6L4.3
- 8" HT. PVC COATED CHAINLINK OUTFIELD FENCE WITH PADDED TOP RAIL AND MOWSTRIP AND WALKER BOARD, RE: 9L4.2
- SYNTHETIC TURF - OUTFIELD, RE: 11L4.2
- SYNTHETIC TURF - INFIELD, RE: 11L4.2
- SYNTHETIC TURF - WARNING TRACK, RE: 11L4.2
- BASE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 12L4.2
- HOME PLATE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 8L4.2
- PANEL DRAIN, RE: 12L4.2
- COLLECTOR PIPE, RE: 11L4.2
- CLEAN-OUT WITH CAP, RE: 14L4.2
- 8" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1
- FLY-ARC TRANSITION CURB, RE: 15L4.2
- NATURAL INFIELD FINES, RE: SPECS
- NATURAL WARNING TRACK FINES, RE: 3L4.2
- BASE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- HOME PLATE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- SOFTBALL FOUL POLE, SIM TO: 4L4.3
- BASEBALL FOUL POLE, SIM TO: 4L4.3
- BASEBALL/SOFTBALL SCOREBOARD 1, RE: SPECS
- PITCHING RUBBER, RE: SPECS
- SPORTSFIELD LIGHTS, RE: ELEC.
- QUAD BATTING CAGES, RE: 5L4.3
- SOFTBALL BULLPEN, RE: SPECS
- BASEBALL BULLPEN, RE: SPECS
- DUGOUT, RE: ARCH
- PORTABLE PITCHING MOUND, RE: SPECS
- PORTABLE DUGOUT MOUND, RE: SPECS
- SURFACE MOUNTED GUARDRAIL, RE: 2L4.1
- BLEACHER, RE: 1L4.4
- 8" HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 5L4.1
- 4" HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 5L4.1
- 4" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1

1.1 BASE BID - NATURAL NE FIELD LAYOUT  
 L1.2 SCALE: 1" = 20'-0"



**KEYNOTE LEGEND**  
 SCALE: 1" = 1'-0"

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI  
 11/20/2020



NOT FOR CONSTRUCTION

Consultant Logo

Project Logo

LEE'S SUMMIT MIDDLE SCHOOL #4  
 LEE'S SUMMIT R-7 SCHOOL DISTRICT  
 1001 SE BAILEY ROAD  
 LEE'S SUMMIT, MO 64081

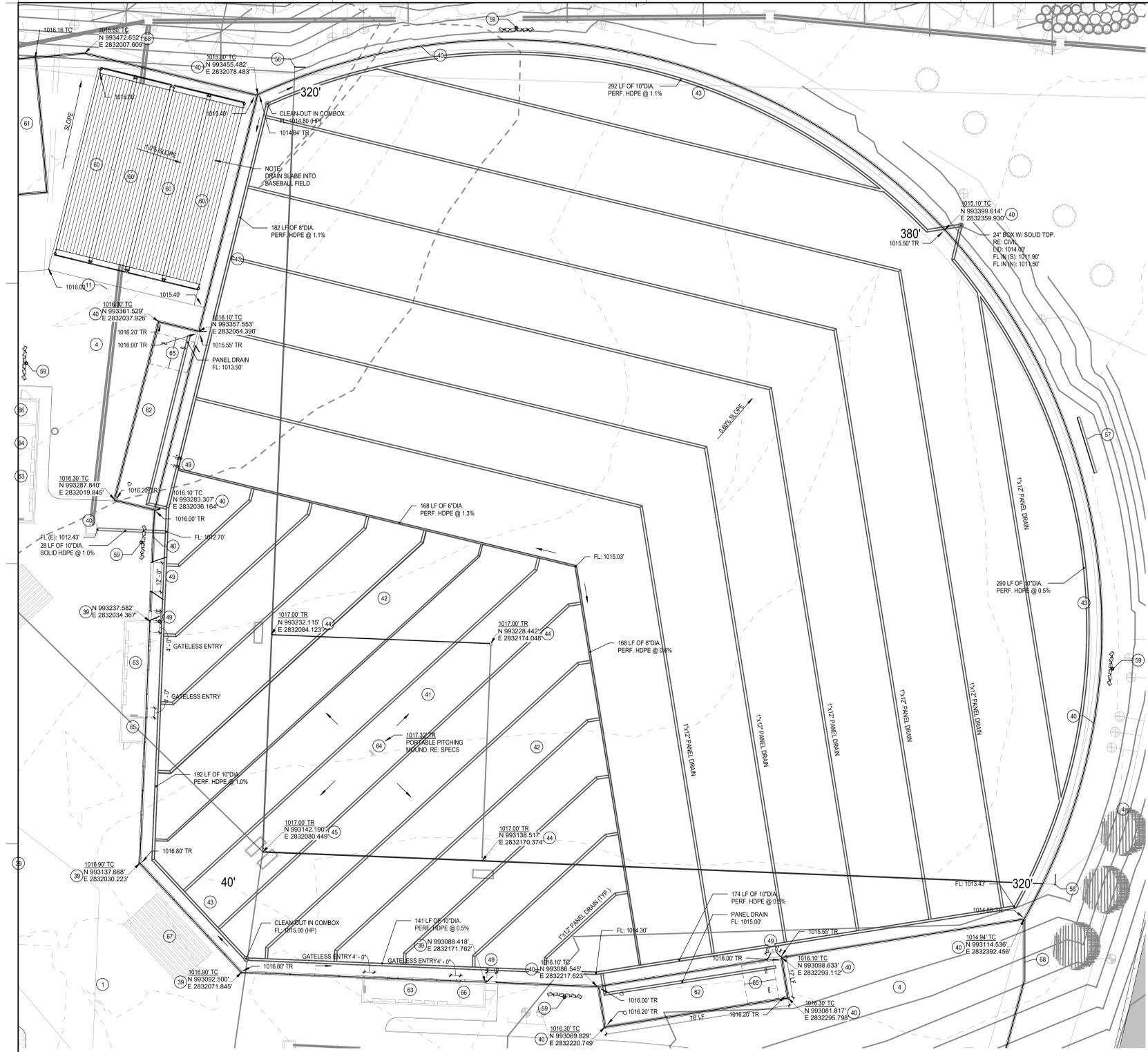
FINAL DEVELOPMENT PLAN

08/28/20 REVISIONS  
 REVISOR PER CITY COMMENTS 10.01.20

13-20102 ENLARGED LAYOUT PLAN

L1.2

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1 ALT #1 - SYNTHETIC TURF BASEBALL FIELD LAYOUT  
 L1.2A SCALE: 1" = 20'-0"



**LAYOUT 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. ALL CURBS RAMP TO BE BUILT IN COMPLIANCE WITH FEDERAL ACCESSIBILITY STANDARDS.
3. PAVING DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
4. ALL WORK WILL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THESE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.
5. VERIFY LAYOUT COORDINATES PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO SUPPLY AND INSTALL ALL REQUIRED SLEEVES UNDER PAVING AND WALKS.
7. PLACE EXPANSION JOINTS AT VERTICAL ELEMENTS (BUILDING, COLUMNS, WALLS, BACK OF CURBS, ETC.) AND AT CHANGES IN GRADE AND DIRECTION AND APPROXIMATELY EVERY 30 LINEAR FEET.
8. WHERE NEW PAVEMENTS ARE CALLED FOR, PROVIDE AN EXPANSION JOINT AROUND ALL EXISTING UTILITIES, MANHOLES, POLES, LIGHTS, ETC.
9. SAWCUT JOINTS BETWEEN CRITICAL POINTS ARE TO BE EQUALLY SPACED, OR AS SHOWN ON DRAWINGS.
10. CONTRACTOR TO CONFIRM HORIZONTAL CONTROL POINTS IN THE FIELD. CONTRACTOR TO VERIFY HORIZONTAL CONTROL POINTS WITH HORIZONTAL COORDINATE POINTS.
11. ALL EXPOSED CONCRETE WALLS AND FOOTINGS TO HAVE A CONSISTENT RUBBED FINISH. CONTRACTOR TO PROVIDE MINIMUM 4 SQUARE FEET MOCK-UP FOR REVIEW AND APPROVAL.
12. CONTRACTOR TO PROVIDE MOCK-UP (4'X4') OF ALL PAVEMENT TYPES FOR REVIEW AND APPROVAL. ALL CONCRETE SIDEWALKS TO HAVE BROOM FINISH. UNLESS OTHERWISE INDICATED, MOCK-UP TO REMAIN ON SITE THROUGHOUT CONSTRUCTION.
13. ALL EXTERIOR GROUND OR BUILDING MOUNTED EQUIPMENT, INCLUDING BUT NOT LIMITED TO MECHANICAL EQUIPMENT, UTILITY METER BANKS, AND COOLERS, SHALL BE SCREENED FROM PUBLIC VIEW WITH LANDSCAPING OR AN ARCHITECTURAL TREATMENT COMPATIBLE WITH THE BUILDING ARCHITECTURE.
14. ALL ON-SITE WIRING AND CABLES SHALL BE PLACED UNDERGROUND.
15. ABBREVIATIONS:  
 TO = TOP OF CONCRETE  
 TD = TOP OF TRENCH DRAIN  
 TW = TOP OF WALL  
 SG = FINISH GRADE  
 FL = FLOW LINE  
 HP = HIGH POINT

**KEYNOTE LEGEND**

- 1 STANDARD GRAY CONCRETE WALK WITH BROOM FINISH, RE: CIVIL
- 2 DECORATIVE CONCRETE WALK WITH STANDARD BROOM FINISH, RE: CIVIL
- 3 PLANTING AREA, SEE LANDSCAPE PLAN
- 4 SOD, SEE LANDSCAPE PLAN
- 5 BED EDGER, RE: 5L4.0
- 6 FLAGPOLE, RE: 6L4.0
- 7 SEATWALL, RE: 7L4.0
- 8 WASTE RECEPTACLE, RE: SPECS
- 9 BIKE RACKS, RE: 6L4.0
- 10 MONUMENT SIGN, RE: 1L4.3
- 11 RETAINING WALL WITH SLEEVE-IT SYSTEMS AND 42" HEIGHT GUARDRAIL SYSTEM, RE: 6L4.1
- 12 DECORATIVE BOLLARD, RE: SPECS
- 13 BOLLARD, RE: 10L4.1
- 14 HEAVY-DUTY PAVEMENT, RE: CIVIL
- 15 BUILDING MOWSTRIP, RE: 11L4.0
- 16 6" HT. ORNAMENTAL FENCE WITH MOWSTRIP, RE: 7L4.1
- 17 6" HT. ORNAMENTAL GATE, RE: 6L4.1
- 18 6" HT. PVC COATED CHAIN LINK FENCE, RE: 4L4.1
- 19 6" HT. PVC COATED CHAIN LINK GATE, RE: 5L4.1
- 20 DECORATIVE GUARDRAIL, SIM TO: 1L4.1
- 21 STAIRS WITH HANDRAILS, RE: 15L4.0
- 22 RAMP WITH HANDRAILS, RE: 10L4.1
- 23 6" HT. ORNAMENTAL GUARDRAIL, SIM TO: 7L4.1
- 24 6" HT. CHAINLINK GUARDRAIL, SIM TO: 4L4.1
- 25 FOOTBALL FIELD SCOREBOARD, RE: SPECS
- 26 FOOTBALL FIELD GOALPOST, RE: 11L4.2
- 27 8' BALLFIELD CHAINLINK FENCE @ RETAINING WALL, RE: 10L4.2
- 28 LONGTRIPLE SAND PIT, RE: 2L4.2
- 29 LONGTRIPLE RUNWAY, RE: 3L4.2
- 30 DISCUS PAD AND CAGE, RE: 4L4.2
- 31 SHOT-PUT, RE: 4L4.2
- 32 RUNNING TRACK WITH SURFACING, RE: 6L4.2
- 33 TRACK SLOT DRAIN, RE: 6L4.2
- 34 TRACK TRENCH DRAIN, RE: 6L4.2
- 35 TRACK CATCH BASIN, RE: 6L4.2
- 36 TRACK RADIUS MONUMENT PIN, RE: 7L4.2
- 37 CONCRETE FIELD CURB, SIM TO: 6L4.2
- 38 LONGTRIPLE TAKE-OFF BOARD, RE: SPECS
- 39 32" HT. PVC COATED CHAIN LINK BACKSTOP WITH MOWSTRIP, RE: 6L4.3
- 40 8" HT. PVC COATED CHAINLINK OUTFIELD FENCE WITH PADDED TOP RAIL AND MOWSTRIP AND WALKER BOARD, RE: 6L4.2
- 41 SYNTHETIC TURF - OUTFIELD, RE: 11L4.2
- 42 SYNTHETIC TURF - INFIELD, RE: 11L4.2
- 43 SYNTHETIC TURF - WARNING TRACK, RE: 11L4.2
- 44 BASE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 12L4.2
- 45 HOME PLATE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 6L4.2
- 46 PANEL DRAIN, RE: 12L4.2
- 47 COLLECTOR PIPE, RE: 11L4.2
- 48 CLEAN-OUT WITH CAP, RE: 14L4.2
- 49 8" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1
- 50 FLY-ARC TRANSITION CURB, RE: 15L4.2
- 51 NATURAL INFIELD FINES, RE: SPECS
- 52 NATURAL WARNING TRACK FINES, RE: 3L4.2
- 53 BASE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- 54 HOME PLATE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- 55 SOFTBALL FOUL POLE, SIM TO: 4L4.3
- 56 BASEBALL FOUL POLE, SIM TO: 4L4.3
- 57 BASEBALL/SOFTBALL SCOREBOARD 1, RE: SPECS
- 58 PITCHING RUBBER, RE: SPECS
- 59 SPORTSFIELD LIGHTS, RE: ELEC.
- 60 QUAD BATTING CAGES, RE: 5L4.3
- 61 SOFTBALL BULLPEN, RE: SPECS
- 62 BASEBALL BULLPEN, RE: SPECS
- 63 DUGOUT, RE: ARCH
- 64 PORTABLE PITCHING MOUND, RE: SPECS
- 65 PORTABLE DUGOUT MOUND, RE: SPECS
- 66 SURFACE MOUNTED GUARDRAIL, RE: 2L4.1
- 67 BLEACHER, RE: 1L4.4
- 68 8" HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 5L4.1
- 69 4" HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 5L4.1
- 70 4" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1

**KEY**

- TR = TOP OF ROCK
- TC = TOP OF CURB
- TW = TOP OF WALL



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Consultant Logo

Project Logo

LEE'S SUMMIT MIDDLE SCHOOL #4  
 LEE'S SUMMIT R-7 SCHOOL DISTRICT  
 1001 SE BAILEY ROAD  
 LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN

08/28/20  
 REVISIONS  
 REVISOR PER CITY COMMENTS 10.01.20

13-20102  
 ALTERNATE ENLARGED LAYOUT PLAN

RELEASE FOR CONSTRUCTION  
 AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
 11/20/2020

L1.2A

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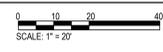
**ABBREVIATIONS:**

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- TW = TOP OF WALL
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- FL = FLOW LINE
- HP = HIGH POINT

- 1 STANDARD GRAY CONCRETE WALK WITH BROOM FINISH, RE: CIVIL
- 2 DECORATIVE CONCRETE WALK WITH STANDARD BROOM FINISH, RE: CIVIL
- 3 PLANTING AREA, SEE LANDSCAPE PLAN
- 4 SOD, SEE LANDSCAPE PLAN
- 5 BED EDGER, RE: 5L4.0
- 6 FLAGPOLE, RE: 6L4.0
- 7 SEATWALL, RE: 7L4.0
- 8 WASTE RECEPTACLE, RE: SPECS
- 9 BIKE RACKS, RE: 6L4.0
- 10 MONUMENT SIGN, RE: 1L4.3
- 11 RETAINING WALL WITH SLEEVE-IT SYSTEMS AND 42" HEIGHT GUARDRAIL SYSTEM, RE: 6L4.1
- 12 DECORATIVE BOLLARD, RE: SPECS
- 13 BOLLARD, RE: 10L4.1
- 14 HEAVY-DUTY PAVEMENT, RE: CIVIL
- 15 BUILDING MOWSTRIP, RE: 11L4.0
- 16 6" HT. ORNAMENTAL FENCE WITH MOWSTRIP, RE: 7L4.1
- 17 6" HT. ORNAMENTAL GATE, RE: 6L4.1
- 18 6" HT. PVC COATED CHAIN LINK FENCE, RE: 4L4.1
- 19 6" HT. PVC COATED CHAIN LINK GATE, RE: 5L4.1
- 20 DECORATIVE GUARDRAIL, SIM TO: 1L4.1
- 21 STAIRS WITH HANDRAILS, RE: 15L4.0
- 22 RAMP WITH HANDRAILS, RE: 1L4.1
- 23 6" HT. ORNAMENTAL GUARDRAIL, SIM TO: 7L4.1
- 24 6" HT. CHAINLINK GUARDRAIL, SIM TO: 4L4.1
- 25 FOOTBALL FIELD SCOREBOARD, RE: SPECS
- 26 FOOTBALL FIELD GOALPOST, RE: 16L4.2
- 27 8" BALLFIELD CHAINLINK FENCE @ RETAINING WALL, RE: 10L4.2
- 28 LONG/TRIPLE SAND PIT, RE: 2L4.2
- 29 LONG/TRIPLE RUNWAY, RE: 3L4.2
- 30 DISCUS PAD AND CAGE, RE: 4L4.2
- 31 SHOT-PUT, RE: 4L4.2
- 32 RUNNING TRACK WITH SURFACING, RE: 6L4.2
- 33 TRACK SLOT DRAIN, RE: 6L4.2
- 34 TRACK TRENCH DRAIN, RE: 6L4.2
- 35 TRACK CATCH BASIN, RE: 6L4.2
- 36 TRACK RADIUS MONUMENT PIN, RE: 7L4.2
- 37 CONCRETE FIELD CURB, SIM TO: 6L4.2
- 38 LONG/TRIPLE TAKE-OFF BOARD, RE: SPECS
- 39 32" HT. PVC COATED CHAIN LINK BACKSTOP WITH MOWSTRIP, RE: 6L4.3
- 40 8" HT. PVC COATED CHAINLINK OUTFIELD FENCE WITH PADDED TOP RAIL AND MOWSTRIP AND NAILER BOARD, RE: 9L4.2
- 41 SYNTHETIC TURF - OUTFIELD, RE: 11L4.2
- 42 SYNTHETIC TURF - INFIELD, RE: 11L4.2
- 43 SYNTHETIC TURF - WARNING TRACK, RE: 11L4.2
- 44 BASE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 12L4.2
- 45 HOME PLATE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 6L4.2
- 46 PANEL DRAIN, RE: 12L4.2
- 47 COLLECTOR PIPE, RE: 11L4.2
- 48 CLEAN-OUT WITH CAP, RE: 14L4.2
- 49 8" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1
- 50 FLY-ARC TRANSITION CURB, RE: 15L4.2
- 51 NATURAL INFIELD FINES, RE: SPECS
- 52 NATURAL WARNING TRACK FINES, RE: 9L4.2
- 53 BASE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- 54 HOME PLATE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- 55 SOFTBALL FOUL POLE, SIM TO: 4L4.3
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- 57 BASEBALL/SOFTBALL SCOREBOARD 1, RE: SPECS
- 58 PITCHING RUBBER, RE: SPECS
- 59 SPORTSFIELD LIGHTS, RE: ELEC.
- 60 QUAD BATTING CAGES, RE: 5L4.3
- 61 SOFTBALL BULLPEN, RE: SPECS
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- 67 BLEACHER, RE: 1L4.4
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- 70 4" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1

**KEYNOTE LEGEND**

SCALE: 1" = 10'-0"



**1 BASE BID - NATURAL SW FIELD LAYOUT**  
SCALE: 1" = 20'-0"

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Consultant Logo

Project Logo

**LEE'S SUMMIT MIDDLE SCHOOL #4**  
 LEE'S SUMMIT R-7 SCHOOL DISTRICT  
 1001 SE BAILEY ROAD  
 LEE'S SUMMIT, MO 64081

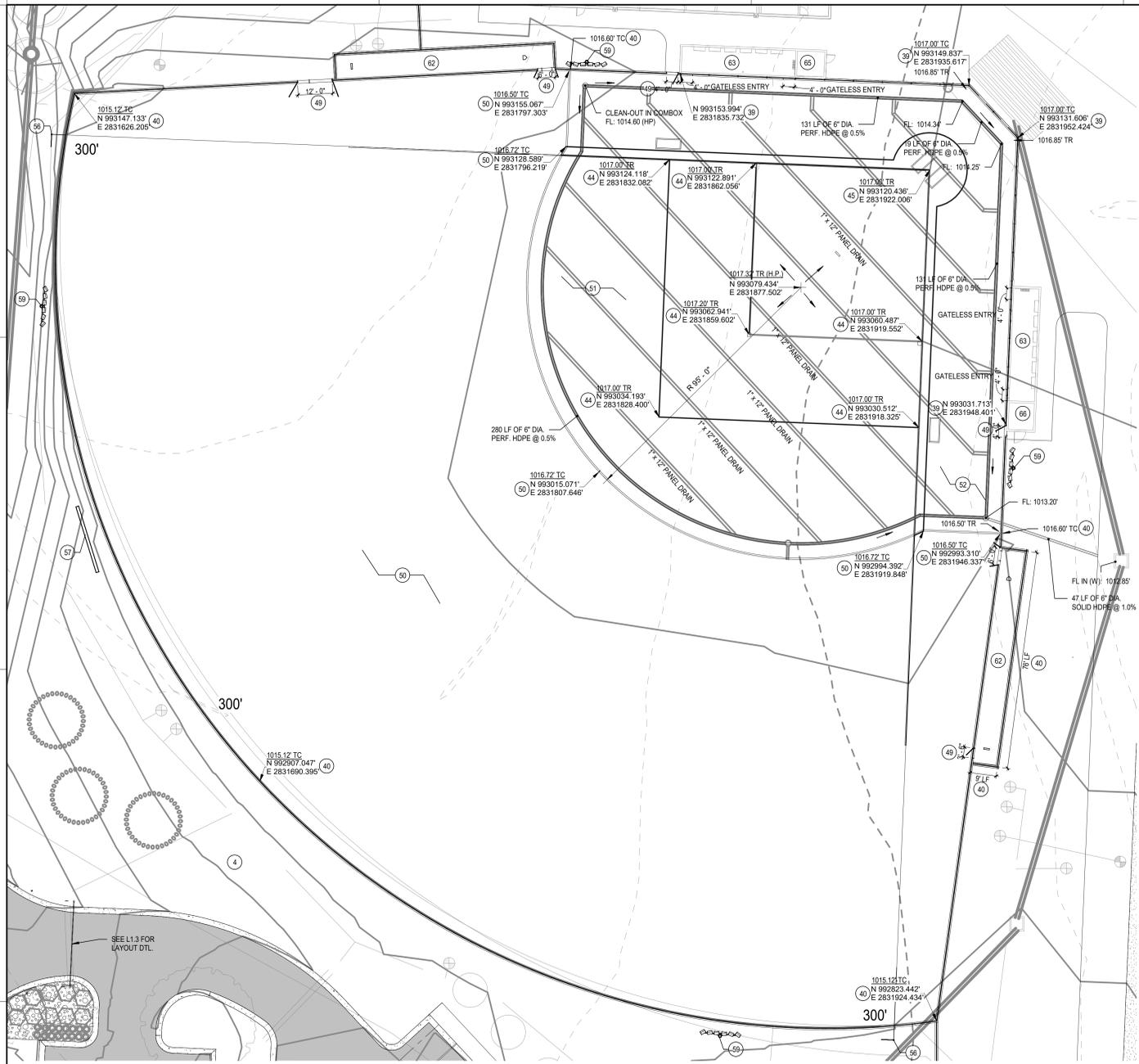
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13-20102  
 ENLARGED LAYOUT PLAN

**RELEASE FOR CONSTRUCTION**  
 AS NOTED ON PLANS REVIEW  
 DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
 11/20/2020

**L1.3**



**1 ALT #1 - SW FIELD LAYOUT PLAN**  
 L1.3A SCALE: 1" = 20'-0"

**LAYOUT NOTES:**

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**KEYNOTE LEGEND**

- 1 STANDARD GRAY CONCRETE WALK WITH BROOM FINISH, RE: CIVIL
- 2 DECORATIVE CONCRETE WALK WITH STANDARD BROOM FINISH, RE: CIVIL
- 3 PLANTING AREA, SEE LANDSCAPE PLAN
- 4 SOD, SEE LANDSCAPE PLAN
- 5 BED EDGER, RE: 5L4.0
- 6 FLAGPOLE, RE: 6L4.0
- 7 SEATWALL, RE: 7L4.0
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- 19 6" HT. PVC COATED CHAIN LINK GATE, RE: 5L4.1
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- 21 STAIRS WITH HANDRAILS, RE: 15L4.0
- 22 RAMP WITH HANDRAILS, RE: 1L4.1
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- 40 8" HT. PVC COATED CHAINLINK OUTFIELD FENCE WITH PADDED TOP RAIL AND MOWSTRIP AND WALKER BOARD, RE: 6L4.2
- 41 SYNTHETIC TURF - OUTFIELD, RE: 11L4.2
- 42 SYNTHETIC TURF - INFIELD, RE: 11L4.2
- 43 SYNTHETIC TURF - WARNING TRACK, RE: 11L4.2
- 44 BASE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 12L4.2
- 45 HOME PLATE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 8L4.2
- 46 PANEL DRAIN, RE: 12L4.2
- 47 COLLECTOR PIPE, RE: 11L4.2
- 48 CLEAN-OUT WITH CAP, RE: 14L4.2
- 49 8" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1
- 50 FLY-ARC TRANSITION CURB, RE: 15L4.2
- 51 NATURAL INFIELD FINES, RE: SPECS
- 52 NATURAL WARNING TRACK FINES, RE: 3L4.2
- 53 BASE WITH SLEEVE (FOR NATURL TURF), RE: 12L4.2
- 54 HOME PLATE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- 55 SOFTBALL FOUL POLE, SIM TO: 4L4.3
- 56 BASEBALL FOUL POLE, SIM TO: 4L4.3
- 57 BASEBALL/SOFTBALL SCOREBOARD 1, RE: SPECS
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- 66 SURFACE MOUNTED GUARDRAIL, RE: 2L4.1
- 67 BLEACHER, RE: 1L4.4
- 68 8" HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 5L4.1
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NOT FOR CONSTRUCTIONS

Consultant Logo

Project Logo

**LEE'S SUMMIT MIDDLE SCHOOL #4**  
 LEE'S SUMMIT R-7 SCHOOL DISTRICT  
 1001 SE BAILEY ROAD  
 LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN

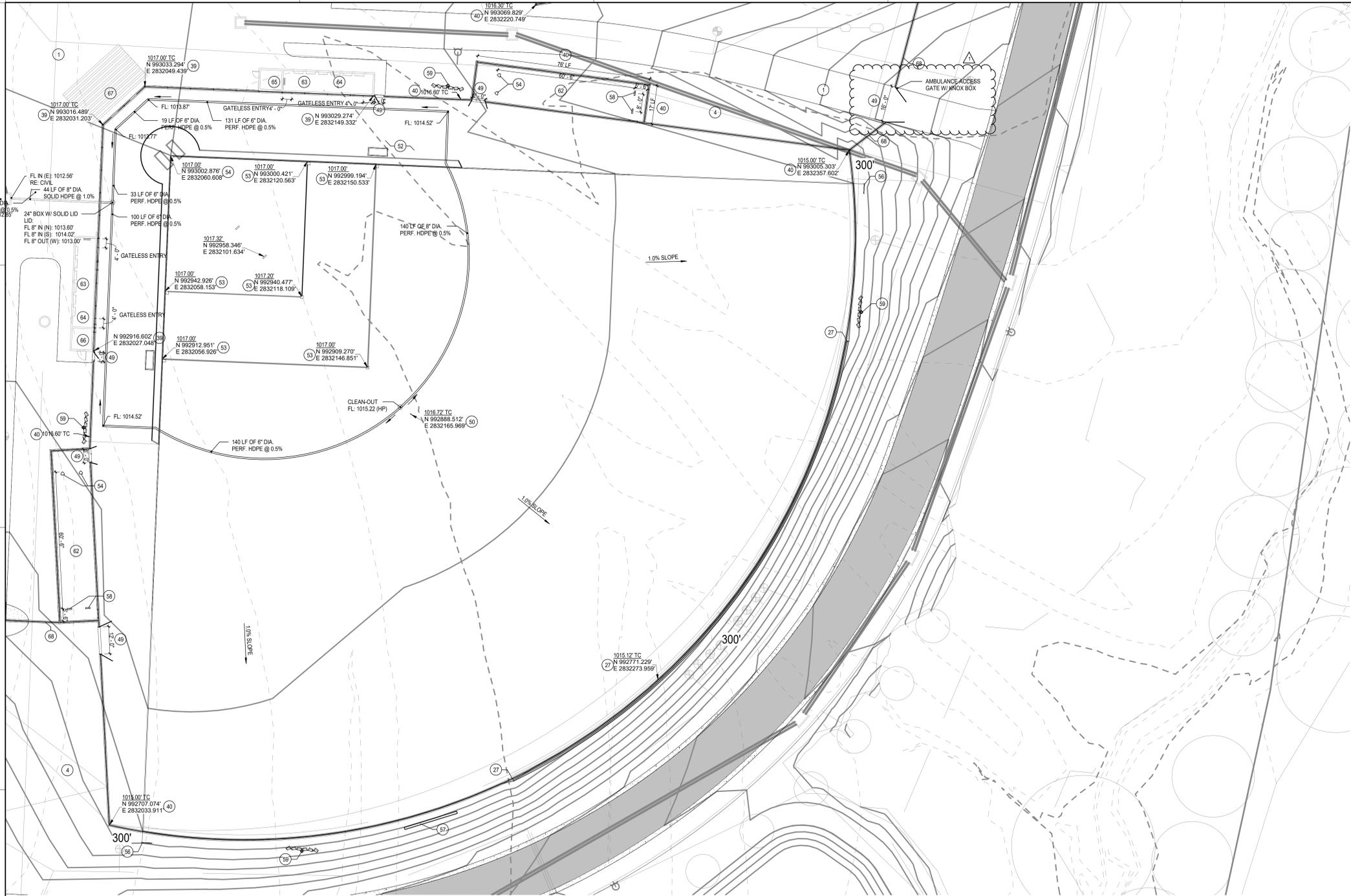
08/28/20  
 REVISIONS  
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13-20102  
 ALTERNATE ENLARGED LAYOUT PLAN

RELEASE FOR CONSTRUCTION  
 AS NOTED ON PLANS REVIEW  
 DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
 11/20/2020

L1.3A

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**LAYOUT NOTES:**

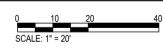
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14. ALL ON-SITE WIRING AND CABLES SHALL BE PLACED UNDERGROUND.

**ABBREVIATIONS:**

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- TD = TOP OF TRENCH DRAIN
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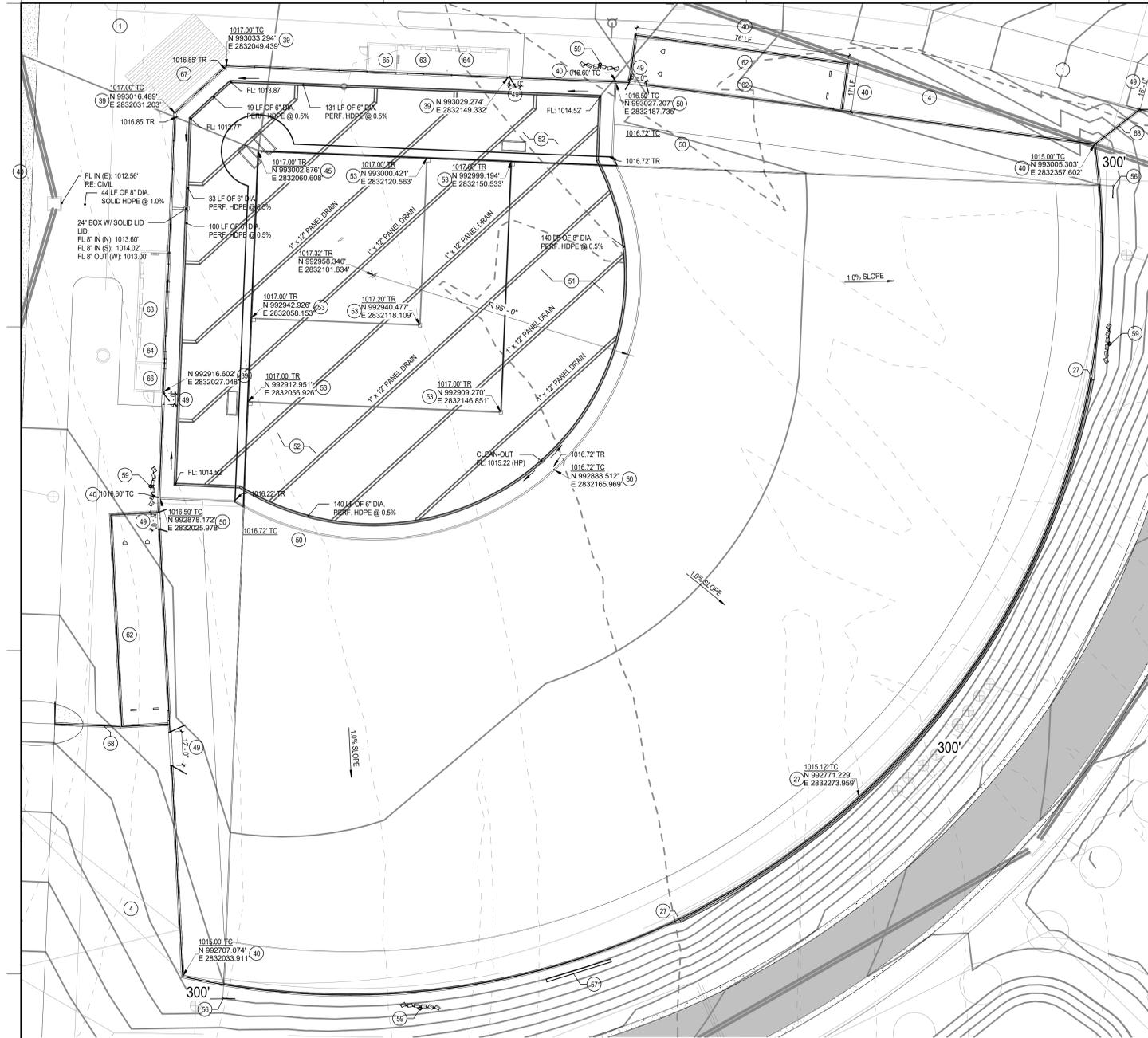
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- 4 SOO, SEE LANDSCAPE PLAN
- 5 BED EDGER, RE: 5L4.0
- 6 FLAGPOLE, RE: 6L4.0
- 7 SEATWALL, RE: 7L4.0
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**1 BASE BID - NATURAL SE FIELD LAYOUT**  
SCALE: 1" = 20'-0"



**KEYNOTE LEGEND**  
SCALE: 18" = 1'-0"

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI  
11/20/2020



**LAYOUT NOTES:**

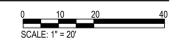
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**1 ALT #1 - SE FIELD LAYOUT PLAN**  
 L1.4A SCALE: 1" = 20'-0"



NOT FOR CONSTRUCTIONS

Consultant Logo

Project Logo

**LEE'S SUMMIT MIDDLE SCHOOL #4**  
 LEE'S SUMMIT R-7 SCHOOL DISTRICT  
 1001 SE BAILEY ROAD  
 LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN

08/28/20  
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13-20102

ALTERNATE ENLARGED LAYOUT PLAN

L1.4A

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI  
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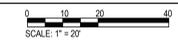
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- 42 SYNTHETIC TURF - INFIELD, RE: 11L4.2
- 43 SYNTHETIC TURF - WARNING TRACK, RE: 11L4.2
- 44 BASE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 12L4.2
- 45 HOME PLATE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 8L4.2
- 46 PANEL DRAIN, RE: 12L4.2
- 47 COLLECTOR PIPE, RE: 11L4.2
- 48 CLEAN-OUT WITH CAP, RE: 14L4.2
- 49 8" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1
- 50 FLY-ARC TRANSITION CURB, RE: 15L4.2
- 51 NATURAL INFIELD FINES, RE: SPECS
- 52 NATURAL WARNING TRACK FINES, RE: 3L4.2
- 53 BASE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- 54 HOME PLATE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- 55 SOFTBALL FOUL POLE, SIM TO: 4L4.3
- 56 BASEBALL FOUL POLE, SIM TO: 4L4.3
- 57 BASEBALL/SOFTBALL SCOREBOARD 1, RE: SPECS
- 58 PITCHING RUBBER, RE: SPECS
- 59 SPORTSFIELD LIGHTS, RE: ELEC
- 60 QUAD BATTING CAGES, RE: 5L4.3
- 61 SOFTBALL BULLPEN, RE: SPECS
- 62 BASEBALL BULLPEN, RE: SPECS
- 63 DUGOUT, RE: ARCH
- 64 PORTABLE PITCHING MOUND, RE: SPECS
- 65 PORTABLE DUGOUT MOUND, RE: SPECS
- 66 SURFACE MOUNTED GUARDRAIL, RE: 2L4.1
- 67 BLEACHER, RE: 1L4.4
- 68 8" HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 5L4.1
- 69 4" HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 5L4.1
- 70 4" HT. PVC COATED CHAINLINK GATE, RE: 5L4.1

1 ENLARGED SCHOOL LAYOUT PLAN  
SCALE: 1" = 20'-0"



RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI  
11/20/2020



NOT FOR CONSTRUCTIONS

Consultant Logo

Project Logo

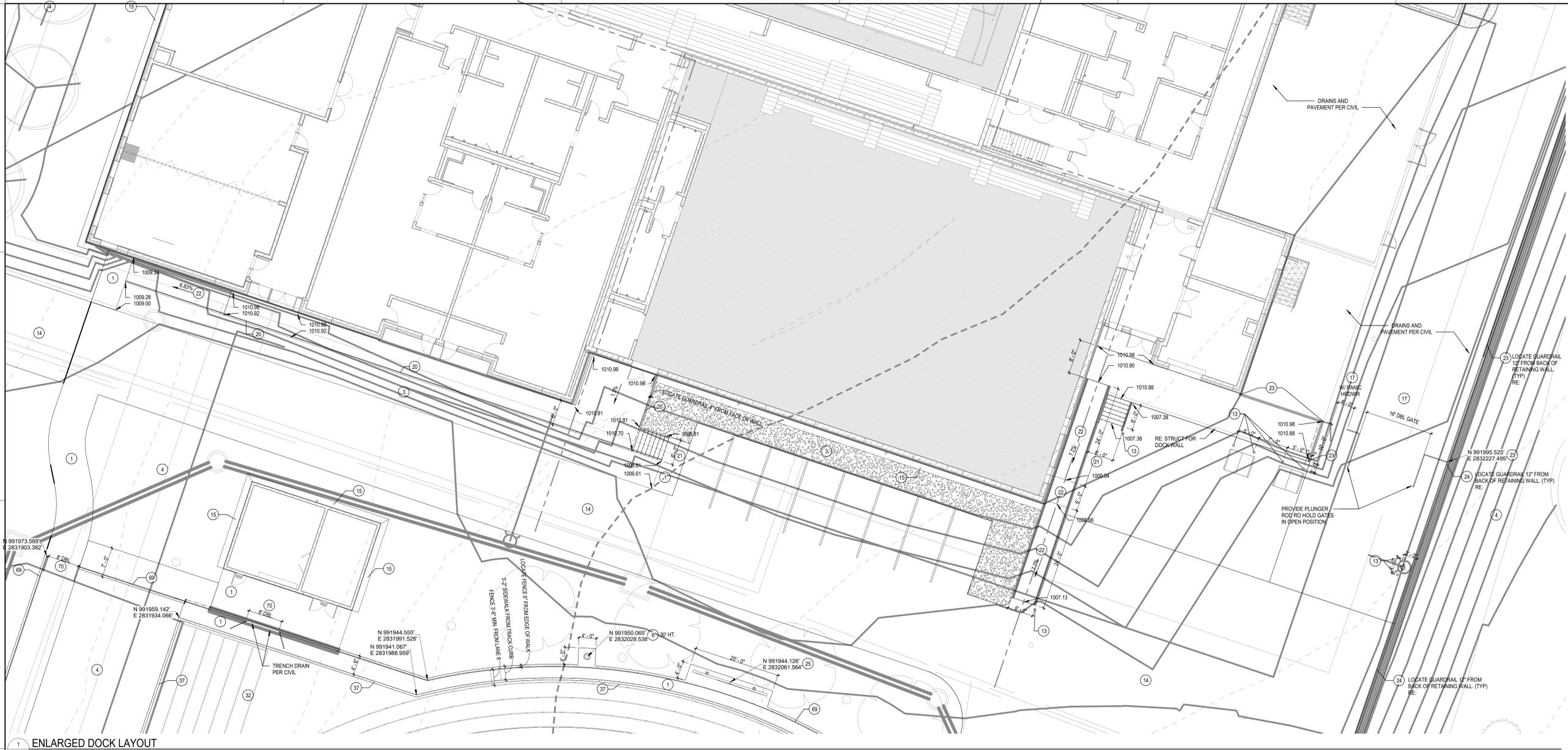
LEE'S SUMMIT MIDDLE SCHOOL #4  
LEE'S SUMMIT R-7 SCHOOL DISTRICT  
1001 SE BAILEY ROAD  
LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN

08/28/20  
REVISIONS  
REVISOR PER CITY COMMENTS 10.01.20

13-20102  
ENLARGED LAYOUT PLAN

L15



1 ENLARGED DOCK LAYOUT  
SCALE: 1" = 10'-0"

**LAYOUT 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. ALL CURBS RAMPS TO BE BUILT IN COMPLIANCE WITH FEDERAL ACCESSIBILITY STANDARDS.
  4. PAVING DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
  5. ALL WORK WILL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THESE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.
  6. VERIFY LAYOUT COORDINATES PRIOR TO CONSTRUCTION.
  7. CONTRACTOR TO SUPPLY AND INSTALL ALL REQUIRED SLEEVES UNDER PAVING AND WALKS.
  8. PLACE EXPANSION JOINTS AT VERTICAL ELEMENTS (BUILDING, COLUMNS, WALLS, BACK OF CURBS, ETC.) AND AT CHANGES IN GRADE AND DIRECTION AND APPROXIMATELY EVERY 30 LINEAR FEET.
  9. WHERE NEW PAVEMENTS ARE CALLED FOR, PROVIDE AN EXPANSION JOINT AROUND ALL EXISTING UTILITIES, MANHOLES, POLES, LIGHTS, ETC.
  10. SAWCUT JOINTS BETWEEN CRITICAL POINTS ARE TO BE EQUALLY SPACED, OR AS SHOWN ON DRAWINGS.
  11. CONTRACTOR TO CONFIRM HORIZONTAL CONTROL POINTS IN THE FIELD. CONTRACTOR TO VERIFY HORIZONTAL CONTROL POINTS WITH HORIZONTAL COORDINATE POINTS.
  12. ALL EXPOSED CONCRETE WALLS AND FOOTINGS TO HAVE A CONSISTENT RUBBED FINISH. CONTRACTOR TO PROVIDE MINIMUM 4 SQUARE FEET MOCK-UP FOR REVIEW AND APPROVAL.
  13. CONTRACTOR TO PROVIDE MOCK-UP (4'X4') OF ALL PAVEMENT TYPES FOR REVIEW AND APPROVAL. ALL CONCRETE SIDEWALKS TO HAVE BROOM FINISH. UNLESS OTHERWISE INDICATED, MOCK-UP TO REMAIN ON SITE THROUGHOUT CONSTRUCTION.
  14. ALL EXTERIOR GROUND OR BUILDING MOUNTED EQUIPMENT, INCLUDING BUT NOT LIMITED TO MECHANICAL EQUIPMENT, UTILITY METER BANKS, AND COOLERS, SHALL BE SCREENED FROM PUBLIC VIEW WITH LANDSCAPING OR AN ARCHITECTURAL TREATMENT COMPATIBLE WITH THE BUILDING ARCHITECTURE.
  15. ALL ON-SITE WIRING AND CABLES SHALL BE PLACED UNDERGROUND.
16. ABBREVIATIONS:  
 TC = TOP OF CONCRETE  
 TD = TOP OF TRENCH DRAIN  
 TW = TOP OF WALL  
 GR = FINISH GRADE  
 FL = FLOW LINE  
 HP = HIGH POINT

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
11/20/2020

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**LAYOUT NOTES:**

- 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.
- ALL CURBS/RAMPS TO BE BUILT IN COMPLIANCE WITH FEDERAL ACCESSIBILITY STANDARDS.
- PAVING DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
- ALL WORK WILL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THESE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.
- VERIFY LAYOUT COORDINATES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO SUPPLY AND INSTALL ALL REQUIRED SLEEVES UNDER PAVING AND WALKS.
- PLACE EXPANSION JOINTS AT VERTICAL ELEMENTS (BUILDING, COLUMNS, WALLS, BACK OF CURBS, ETC.) AND AT CHANGES IN GRADE AND DIRECTION AND APPROXIMATELY EVERY 30 LINEAR FEET.
- WHERE NEW PAVEMENTS ARE CALLED FOR, PROVIDE AN EXPANSION JOINT AROUND ALL EXISTING UTILITIES, MANHOLES, POLES, LIGHTS, ETC.
- SAW CUT JOINTS BETWEEN CRITICAL POINTS ARE TO BE EQUALLY SPACED, OR AS SHOWN ON DRAWINGS.
- CONTRACTOR TO CONFIRM HORIZONTAL CONTROL POINTS IN THE FIELD. CONTRACTOR TO VERIFY HORIZONTAL CONTROL POINTS WITH HORIZONTAL COORDINATE POINTS.
- ALL EXPOSED CONCRETE WALLS AND FOOTINGS TO HAVE A CONSISTENT RUBBED FINISH. CONTRACTOR TO PROVIDE MINIMUM 4 SQUARE FEET MOCK-UP FOR REVIEW AND APPROVAL.
- CONTRACTOR TO PROVIDE MOCK-UP (4'x4') OF ALL PAVEMENT TYPES FOR REVIEW AND APPROVAL. ALL CONCRETE SIDEWALKS TO HAVE BROOM FINISH, UNLESS OTHERWISE INDICATED. MOCK-UP TO REMAIN ON SITE THROUGHOUT CONSTRUCTION.
- ALL EXTERIOR GROUND OR BUILDING MOUNTED EQUIPMENT, INCLUDING BUT NOT LIMITED TO MECHANICAL EQUIPMENT, UTILITY METER BANKS, AND COOLERS, SHALL BE SCREENED FROM PUBLIC VIEW WITH LANDSCAPING OR AN ARCHITECTURAL TREATMENT COMPATIBLE WITH THE BUILDING ARCHITECTURE.
- ALL ON-SITE WIRING AND CABLES SHALL BE PLACED UNDERGROUND.

**ABBREVIATIONS:**

- TC = TOP OF CONCRETE
- TD = TOP OF TRENCH DRAIN
- TW = TOP OF WALL
- GR = FINISH GRADE
- FL = FLOW LINE
- HP = HIGH POINT

- STANDARD GRAY CONCRETE WALK WITH BROOM FINISH, RE: CIVIL
- DECORATIVE CONCRETE WALK WITH STANDARD BROOM FINISH, RE: CIVIL
- PLANTING AREA, SEE LANDSCAPE PLAN
- SOD, SEE LANDSCAPE PLAN
- FLAGPOLE, RE: 61L4.0
- BED EDGER, RE: 61L4.0
- SEATWALL, RE: 71L4.0
- WASTE RECEPTACLE, RE: SPECS
- BIKE RACKS, RE: 61L4.0
- MONUMENT SIGN, RE: 11L4.3
- RETAINING WALL WITH SLEEVE-IT SYSTEMS AND 42" HEIGHT GUARDRAIL SYSTEM, RE: 61L4.1
- DECORATIVE BOLLARD, RE: SPECS
- BOLLARD, RE: 10M4.1
- HEAVY-DUTY PAVEMENT, RE: CIVIL
- BUILDING MOWSTRIP, RE: 11L4.0
- 6" HT. ORNAMENTAL FENCE WITH MOWSTRIP, RE: 71L4.1
- 6" HT. ORNAMENTAL GATE, RE: 61L4.1
- 6" HT. PVC COATED CHAIN LINK FENCE, RE: 41L4.1
- 6" HT. PVC COATED CHAIN LINK GATE, RE: 51L4.1
- DECORATIVE GUARDRAIL, SIM TO: 11L4.1
- STAIRS WITH HANDRAILS, RE: 15L4.0
- RAMP WITH HANDRAILS, RE: 11L4.1
- 6" HT. ORNAMENTAL GUARDRAIL, SIM TO: 71L4.1
- 6" HT. CHAINLINK GUARDRAIL, SIM TO: 41L4.1
- FOOTBALL FIELD SCOREBOARD, RE: SPECS
- FOOTBALL FIELD GOALPOST, RE: 11L4.2
- 8' BALLFIELD CHAINLINK FENCE @ RETAINING WALL, RE: 10L4.2
- LONG/TRIPLE SAND PIT, RE: 21L4.2
- LONG/TRIPLE RUNWAY, RE: 31L4.2
- DISCUS PAD AND CAGE, RE: 41L4.2
- SHOT-PUT, RE: 41L4.2
- RUNNING TRACK WITH SURFACING, RE: 61L4.2
- TRACK SLOT DRAIN, RE: 61L4.2
- TRACK TRENCH DRAIN, RE: 61L4.2
- TRACK CATCH BASIN, RE: 61L4.2
- TRACK RADIUS MONUMENT PIN, RE: 71L4.2
- CONCRETE FIELD CURB, SIM TO: 61L4.2
- LONG/TRIPLE TAKE-OFF BOARD, RE: SPECS
- 32' HT. PVC COATED CHAIN LINK BACKSTOP WITH MOWSTRIP, RE: 61L4.3
- 8' HT. PVC COATED CHAINLINK OUTFIELD FENCE WITH PADDED TOP RAIL AND MOWSTRIP AND NAILER BOARD, RE: 91L4.2
- SYNTHETIC TURF - OUTFIELD, RE: 11L4.2
- SYNTHETIC TURF - INFIELD, RE: 11L4.2
- SYNTHETIC TURF - WARNING TRACK, RE: 11L4.2
- BASE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 12L4.2
- HOME PLATE WITH SLEEVE (FOR SYNTHETIC TURF), RE: 61L4.2
- PANEL DRAIN, RE: 12L4.2
- COLLECTOR PIPE, RE: 11L4.2
- CLEAN-OUT WITH CAP, RE: 14L4.2
- 8' HT. PVC COATED CHAINLINK GATE, RE: 51L4.1
- FLY-ARC TRANSITION CURB, RE: 15L4.2
- NATURAL INFIELD FINES, RE: SPECS
- NATURAL WARNING TRACK FINES, RE: 31L4.2
- BASE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- HOME PLATE WITH SLEEVE (FOR NATURAL TURF), RE: 12L4.2
- SOFTBALL FOUL POLE, SIM TO: 41L4.3
- BASEBALL FOUL POLE, SIM TO: 41L4.3
- BASEBALL/SOFTBALL SCOREBOARD 1, RE: SPECS
- PITCHING RUBBER, RE: SPECS
- SPORTSFIELD LIGHTS, RE: ELEC
- QUAD BATTING CAGES, RE: 51L4.3
- SOFTBALL BULLPEN, RE: SPECS
- BASEBALL BULLPEN, RE: SPECS
- DUGOUT, RE: ARCH
- PORTABLE PITCHING MOUND, RE: SPECS
- PORTABLE DUGOUT MOUND, RE: SPECS
- SURFACE MOUNTED GUARDRAIL, RE: 21L4.1
- BLEACHER, RE: 11L4.4
- 8' HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 51L4.1
- 4' HT. PVC COATED CHAINLINK FENCE WITH MOWSTRIP, RE: 51L4.1
- 4' HT. PVC COATED CHAINLINK GATE, RE: 51L4.1

**KEYNOTE LEGEND**  
 SCALE: 1/8" = 1'-0"



**1 ENLARGED FIELD LAYOUT PLAN**  
 SCALE: 1" = 20'-0"

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI  
 11/20/2020



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**LEE'S SUMMIT MIDDLE SCHOOL #4**  
 LEE'S SUMMIT R-7 SCHOOL DISTRICT  
 1001 SE BAILEY ROAD  
 LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN  
 08/28/20  
 REVISIONS  
 REVISOR PER CITY COMMENTS 10.01.20

13-20102  
 ENLARGED LAYOUT PLAN

**L1.7**

**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 (UG) 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 260-1992, 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 CALLIPEPED 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.

**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 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

46 DECIDUOUS TREES PROVIDED  
 68 SHRUBS PROVIDED

**SECTION 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

**SECTION 8.790 B.1 OPEN YARD SHRUB REQ.**

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: 425  
 MINIMUM OF 1 TREE FOR EVERY 5,000 SQUARE FEET OF LOT AREA REQUIRED  
 TOTAL LOT AREA: 117,130 SF / 5,000 SF = 23.5 TOTAL TREES REQUIRED  
 TOTAL TREES PROVIDED: 130

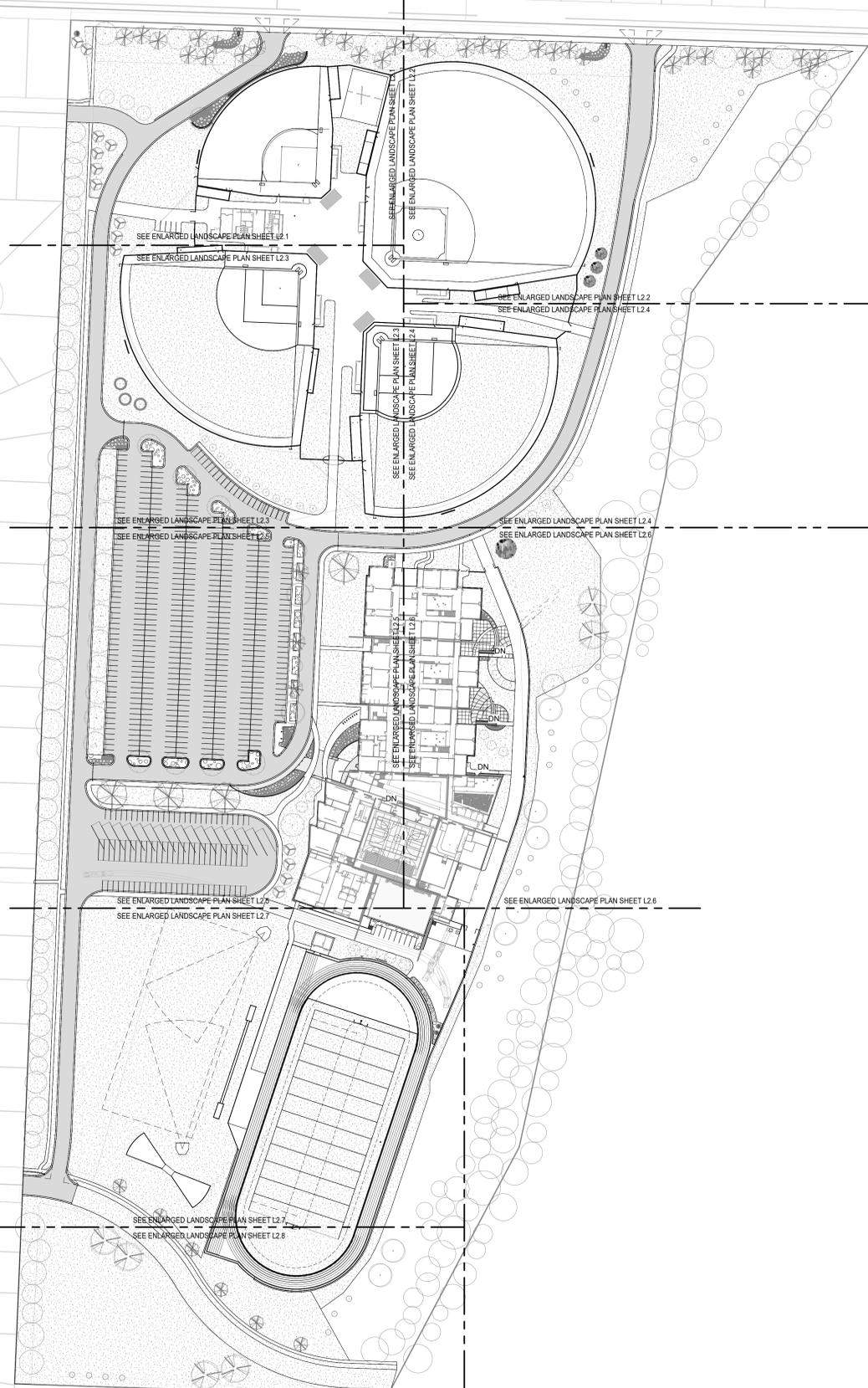
**SECTION 8.810 A. PARKING LOT LANDSCAPE ISLANDS**

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

DECIDUOUS TREES	Botanical/Common	Cont	Cal	Size	Quantity	Remarks
AS	Acer saccharum 'Autumn Splendor' / Autumn Splendor Sugar Maple	-	3" Cal.		33	
BH	Betula nigra 'Heritage' / Heritage River Birch	-	3" Cal.		6	
CA	Carpinus caroliniana 'Autumn Fire' / Autumn Fire American Hornbeam	-	3" Cal.		35	
CP	Celtis occidentalis 'Prairie Pride' / Prairie Pride Hackberry	-	3" Cal.		10	
LF	Liriodendron tulipifera 'Fastigiata' / Tulip Tree	-	3" Cal.		4	
QB	Quercus bicolor / Swamp White Oak	-	3" Cal.		10	
QC	Quercus bicolor 'Bonnie and Mike' TM / Beacon Oak	-	3" Cal.		12	
EVERGREEN TREES	Botanical/Common	Cont	Cal	Size	Quantity	Remarks
JB	Juniperus chinensis 'Wichita Blue' / Wichita Blue Juniper	-	7-8'		21	
PF	Picea pungens 'Fat Albert' / Colorado Spruce	-	8-10' HT.		3	
PS	Pinus strobus / White Pine	-	8-10' HT.		4	
TS	Pinus strobus 'Fastigiata' / Colummar White Pine	-	8-10' HT.		29	
ORNAMENTAL TREES	Botanical/Common	Cont	Cal	Size	Quantity	Remarks
AA	Amelanchier arborea 'Autumn Brilliance' / Downy Serviceberry	-	2"		3	
MG	Magnolia virginiana 'Green Shadow' / Green Shadow Magnolia	-	2"		12	
SB	Magnolia virginiana 'Silver Mist' / Sweet Bay	-	2"		12	
MS	Malus x 'Spring Snow' / Spring Snow Crabapple	-	2"		14	
SI	Syringa reticulata 'Ivory Silk' / Ivory Silk Japanese Tree Lilac	-	2"		3	
Grasses	Botanical/Common	Cont			Quantity	Remarks
CL	Chasmanthium latifolium / Wood Oats	1 GAL.			35	
PERENNIAL	Botanical/Common	Cont			Quantity	Remarks
SM	Salvia x sylvestris 'May Night' / May Night Sage	1 GAL.			15	
SHRUBS	Botanical/Common	Cont			Quantity	Remarks
AI	Aronia melanocarpa 'Low Scope Mound' / Red Chokeberry	3 GAL			6	
CH	Calliarcia x 'NCCX2' TM / Pearl Glam Beauty Berry	3 GAL			77	
FB	Fothergilla gardenii 'Blue Mist' / Blue Mist Fothergilla	3 GAL			35	
HA	Hydrangea quercifolia 'Amethyst' / Amethyst Oakleaf Hydrangea	3 GAL			26	
HS	Hydrangea quercifolia 'Sike's Dwarf' / Sike's Dwarf Oakleaf Hydrangea	3 GAL			19	
EVERGREEN SHRUBS	Botanical/Common	Cont			Quantity	Remarks
BG	Buxus x 'Green Mountain' / Green Mountain Boxwood	3 GAL			26	
JG	Juniperus chinensis 'Gold Coast' TM / Gold Coast Juniper	5' Height...			19	
JO	Juniperus virginiana 'Grey Owl' / Grey Owl Juniper	3 GAL			103	

- = SOD. RE: SPECS
- = SEED. RE: SPECS
- = AGGREGATE MULCH. RE: SPECS

**SOD LEGEND**  
 SCALE: 3/32" = 1'-0"



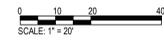
**1 OVERALL LANDSCAPE PLAN**  
 L2.0 SCALE: 1" = 100'-0"

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 11/20/2020

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1 BASE BID NW LANDSCAPE  
SCALE: 1" = 20'-0"



Code	Botanical/Common	Cont	Cal	Size	Quantity	Remarks
AS	Acer saccharum 'Autumn Splendor' / Autumn Splendor Sugar Maple	-	3"	Cal.	33	
BH	Betula nigra 'Heritage' / Heritage River Birch	-	3"	Cal.	6	
CA	Carpinus caroliniana 'Autumn Fire' / Autumn Fire American Hornbeam	-	3"	Cal.	35	
CP	Celtis occidentalis 'Prairie Pride' / Prairie Pride Hackberry	-	3"	Cal.	10	
LF	Liriodendron tulipifera 'Fastigiata' / Tulip Tree	-	3"	Cal.	4	
OB	Quercus bicolor / Swamp White Oak	-	3"	Cal.	10	
QC	Quercus bicolor 'Bonnie and Mike' TM / Beacon Oak	-	3"	Cal.	12	
<b>EVERGREEN TREES</b>						
Botanical/Common						
Cont	Cal	Size	Quantity	Remarks		
JB	Juniperus chinensis 'Wichita Blue' / Wichita Blue Juniper	-	7-8"		21	
PF	Picea pungens 'Fat Albert' / Colorado Spruce	-	8-10' HT.		3	
PS	Pinus strobus / White Pine	-	8-10' HT.		4	
TS	Pinus strobus 'Fastigiata' / Columnar White Pine	-	8-10' HT.		29	
<b>ORNAMENTAL TREES</b>						
Botanical/Common						
Cont	Cal	Size	Quantity	Remarks		
AA	Amelanchier arborea 'Autumn Brilliance' / Downy Serviceberry	-	2"		3	
MG	Magnolia virginiana 'Green Shadow' / Green Shadow Magnolia	-	2"		12	
SB	Magnolia virginiana 'Silver Mist' / Sweet Bay	-	2"		12	
MS	Malus x 'Spring Snow' / Spring Snow Crabapple	-	2"		14	
SI	Syringa reticulata 'Ivory Silk' / Ivory Silk Japanese Tree Lilac	-	2"		3	
<b>Grasses</b>						
Botanical/Common						
Cont	Quantity	Remarks				
CL	Chasmanthium latifolium / Wood Oats	1 GAL.			35	
<b>PERENNIAL</b>						
Botanical/Common						
Cont	Quantity	Remarks				
SM	Salvia x sylvestris 'May Night' / May Night Sage	1 GAL.			15	
<b>SHRUBS</b>						
Botanical/Common						
Cont	Quantity	Remarks				
AI	Aronia melanocarpa 'Low Scape Mound' / Red Chokeberry	3 GAL.			6	
CH	Callicarpa x 'NCCX2' TM / Pearl Glam Beauty Berry	3 GAL.			77	
FB	Fothergilla gardenii 'Blue Mist' / Blue Mist Fothergilla	3 GAL.			35	
HA	Hydrangea quercifolia 'Amethyst' / Amethyst Oakleaf Hydrangea	3 GAL.			26	
HS	Hydrangea quercifolia 'Sike's Dwarf' / Sike's Dwarf Oakleaf Hydrangea	3 GAL.			19	
<b>EVERGREEN SHRUBS</b>						
Botanical/Common						
Cont	Quantity	Remarks				
BG	Buxus x 'Green Mountain' / Green Mountain Boxwood	3 GAL.			26	
JG	Juniperus chinensis 'Gold Coast' TM / Gold Coast Juniper	5' Height...			19	
JO	Juniperus virginiana 'Grey Owl' / Grey Owl Juniper	3 GAL.			103	



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LEE'S SUMMIT MIDDLE SCHOOL #4  
LEE'S SUMMIT R-7 SCHOOL DISTRICT  
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FINAL DEVELOPMENT PLAN

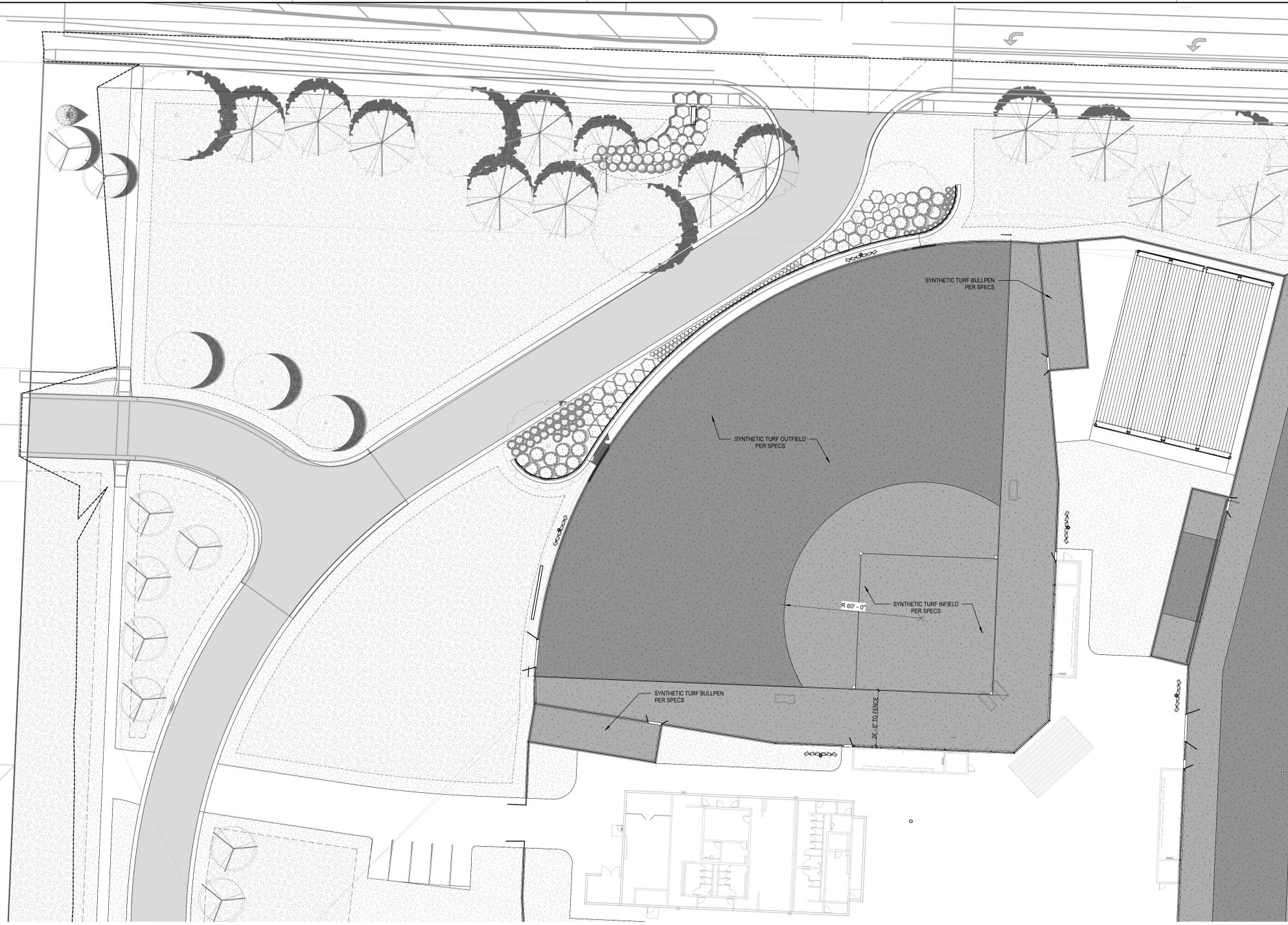
08/28/20  
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13-20102  
ENLARGED LANDSCAPE PLAN

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 11/20/2020

L2.1

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1 ALT #1 - SOFTBALL SYNTHETIC TURF PLAN  
 L2.1A SCALE: 1" = 20'-0"

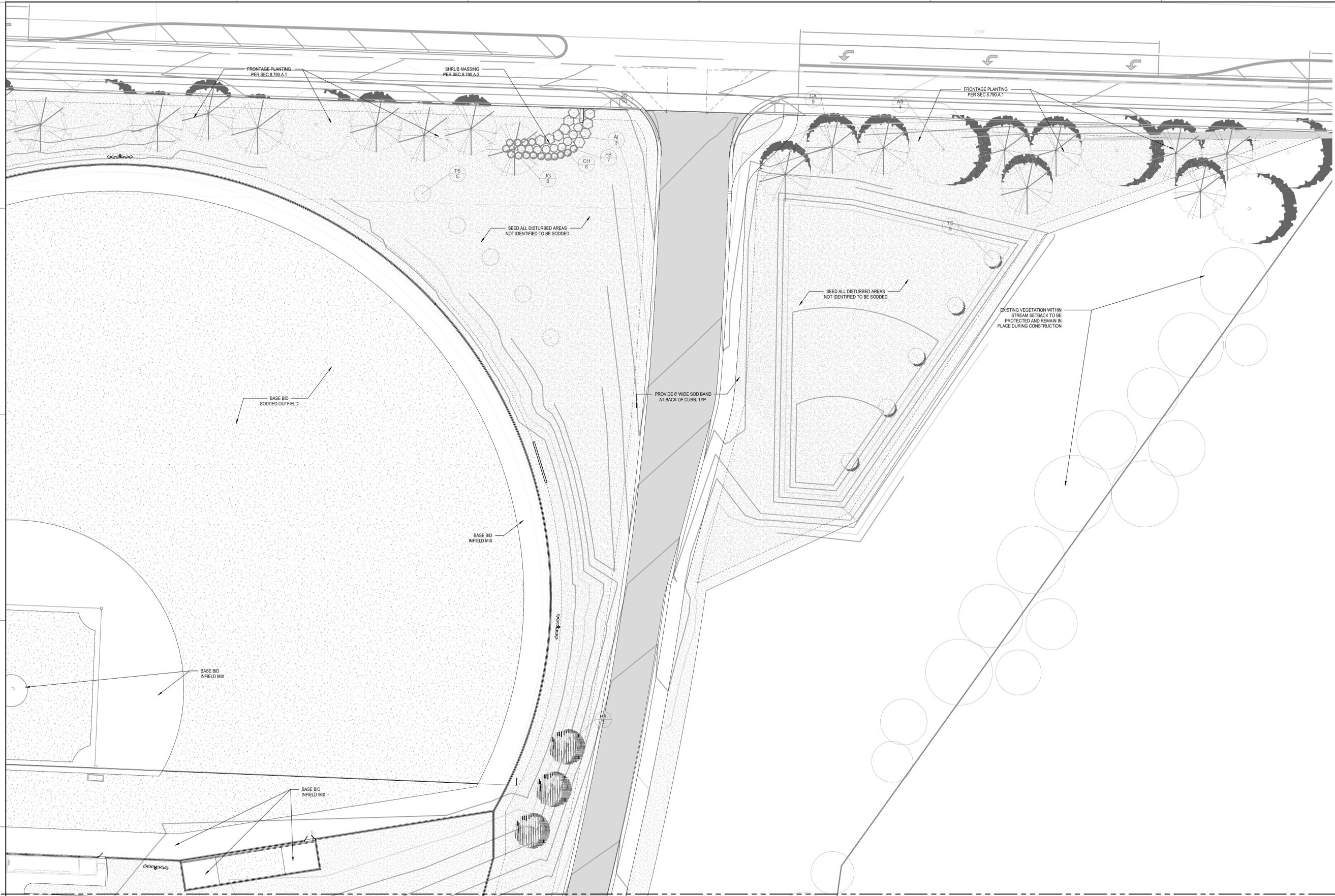
GENERAL NOTE:  
 ALL FIELD STRIPING TO FOLLOW NFHS  
 GUIDELINES FOR RULES AND REGULATIONS

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 SCALE: 1" = 20'

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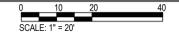
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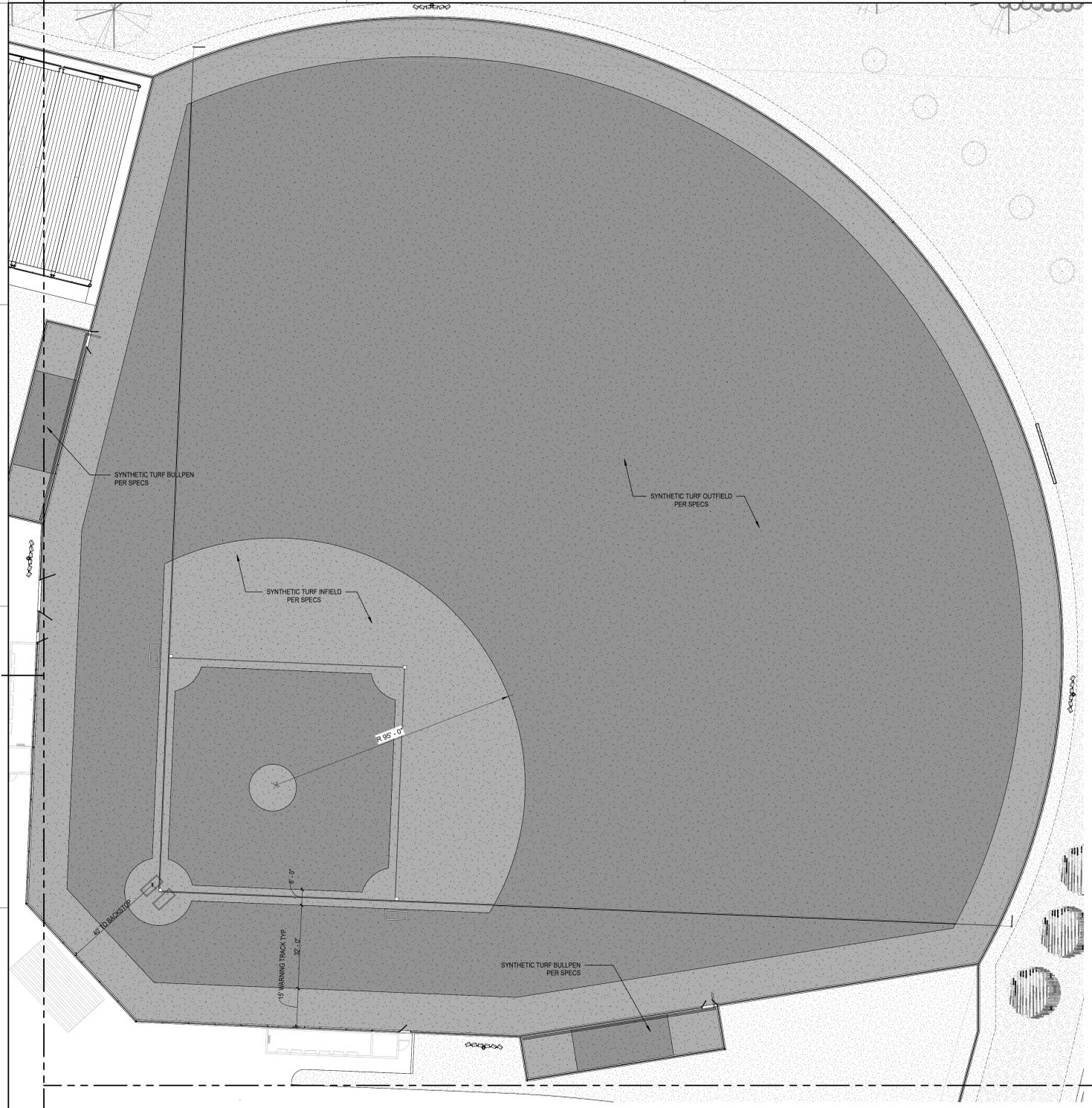
1 BASE BID NE LANDSCAPE  
L2.2 SCALE: 1" = 20'-0"

GENERAL NOTE:  
ALL FIELD STRIPPING TO FOLLOW NFHS  
GUIDELINES FOR RULES AND REGULATIONS



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GENERAL NOTE:  
ALL FIELD STRIPING TO FOLLOW NFHS  
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1 ALT #1 - BASEBALL SYNTHETIC TURF PLAN  
L2.2A SCALE: 1" = 20'-0"

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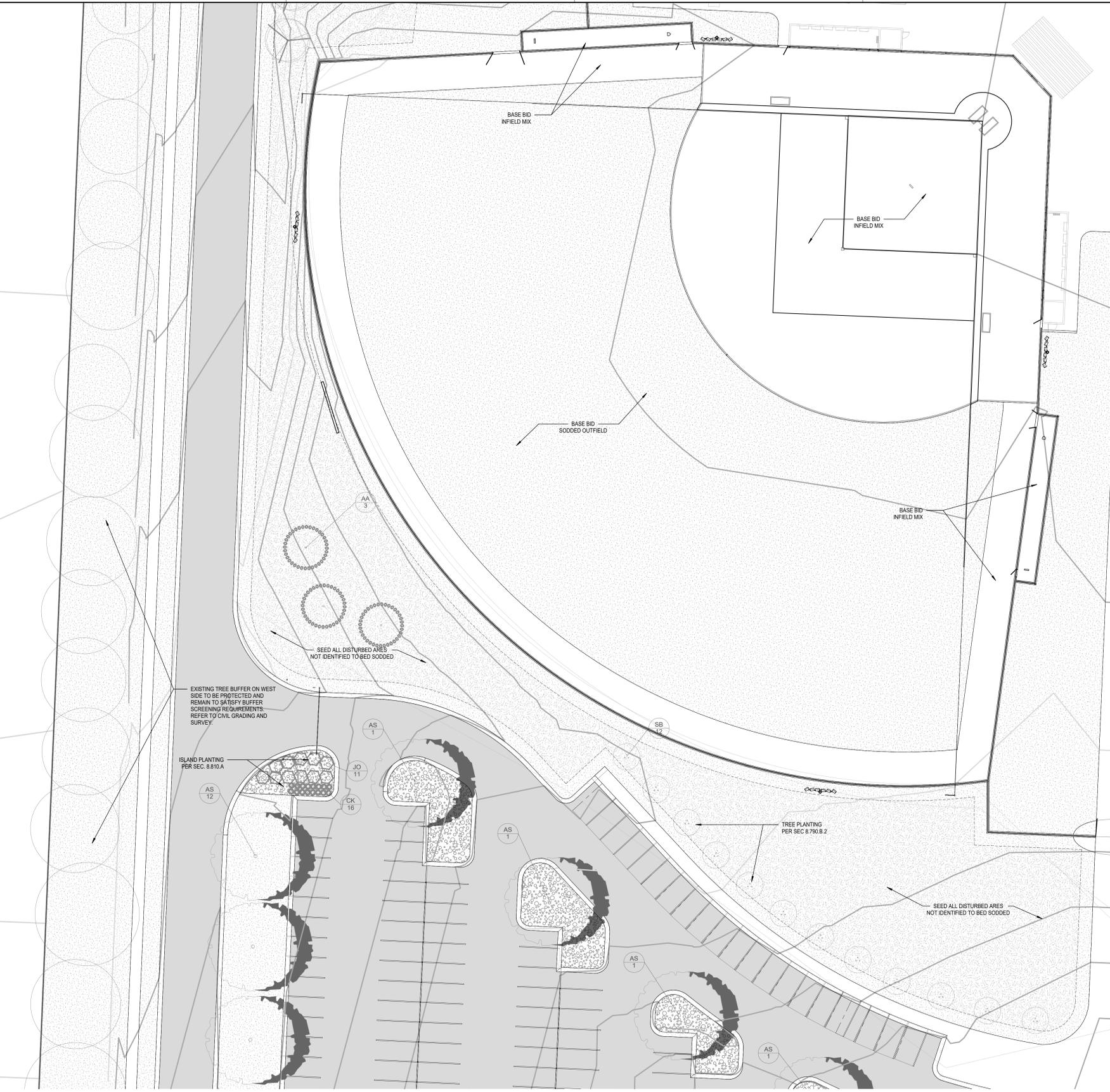
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13-20102  
ALTERNATE ENLARGED LANDSCAPE PLAN

L2.2A

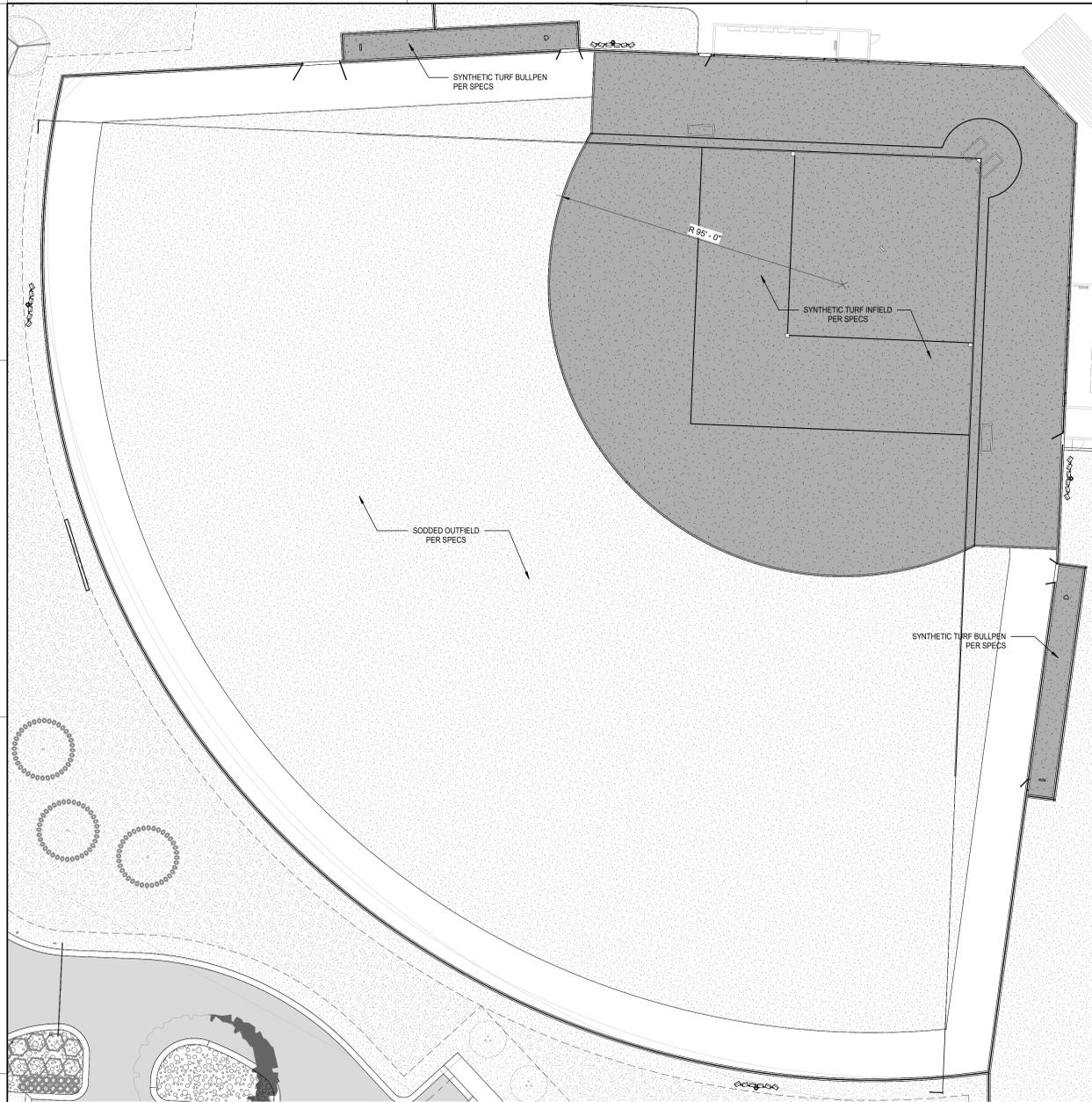
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1 BASE BID SW LANDSCAPE  
L2.3 SCALE: 1" = 20'-0"

GENERAL NOTE:  
ALL FIELD STRIPING TO FOLLOW NFHS  
GUIDELINES FOR RULES AND REGULATIONS  
SCALE: 1" = 20'

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GENERAL NOTE:  
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 GUIDELINES FOR RULES AND REGULATIONS

0 10 20 40  
 SCALE: 1" = 20'

1 ALT #1 - SW FIELD SYNTHETIC TURF PLAN  
 L2.3A SCALE: 1" = 20'-0"

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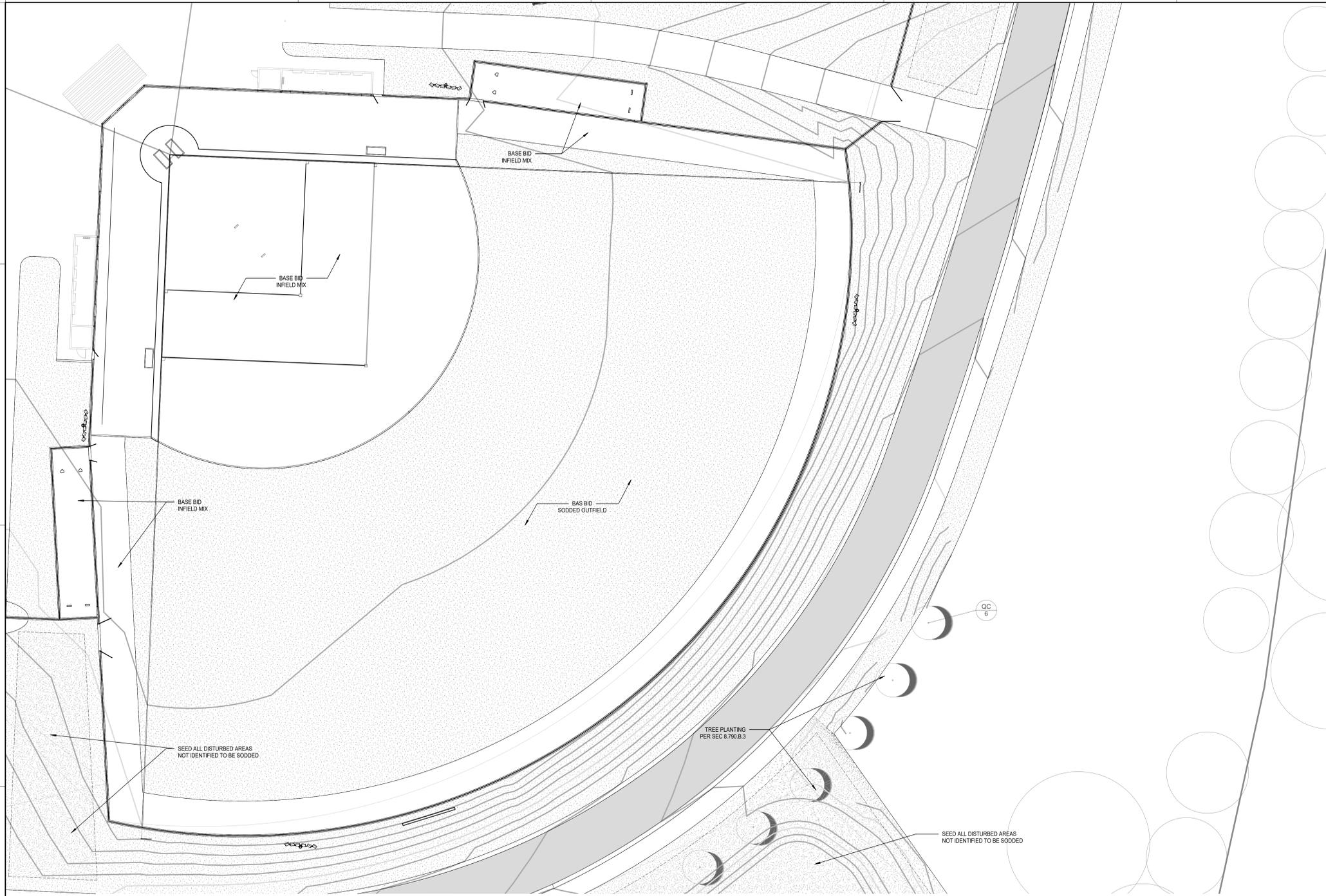
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13-20102  
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L2.3A



1 BASE BID SE LANDSCAPE  
L2.4 SCALE: 1" = 20'-0"

GENERAL NOTE:  
ALL FIELD STRIPING TO FOLLOW NFHS  
GUIDELINES FOR RULES AND REGULATIONS

0 10 20 40  
SCALE: 1" = 20'

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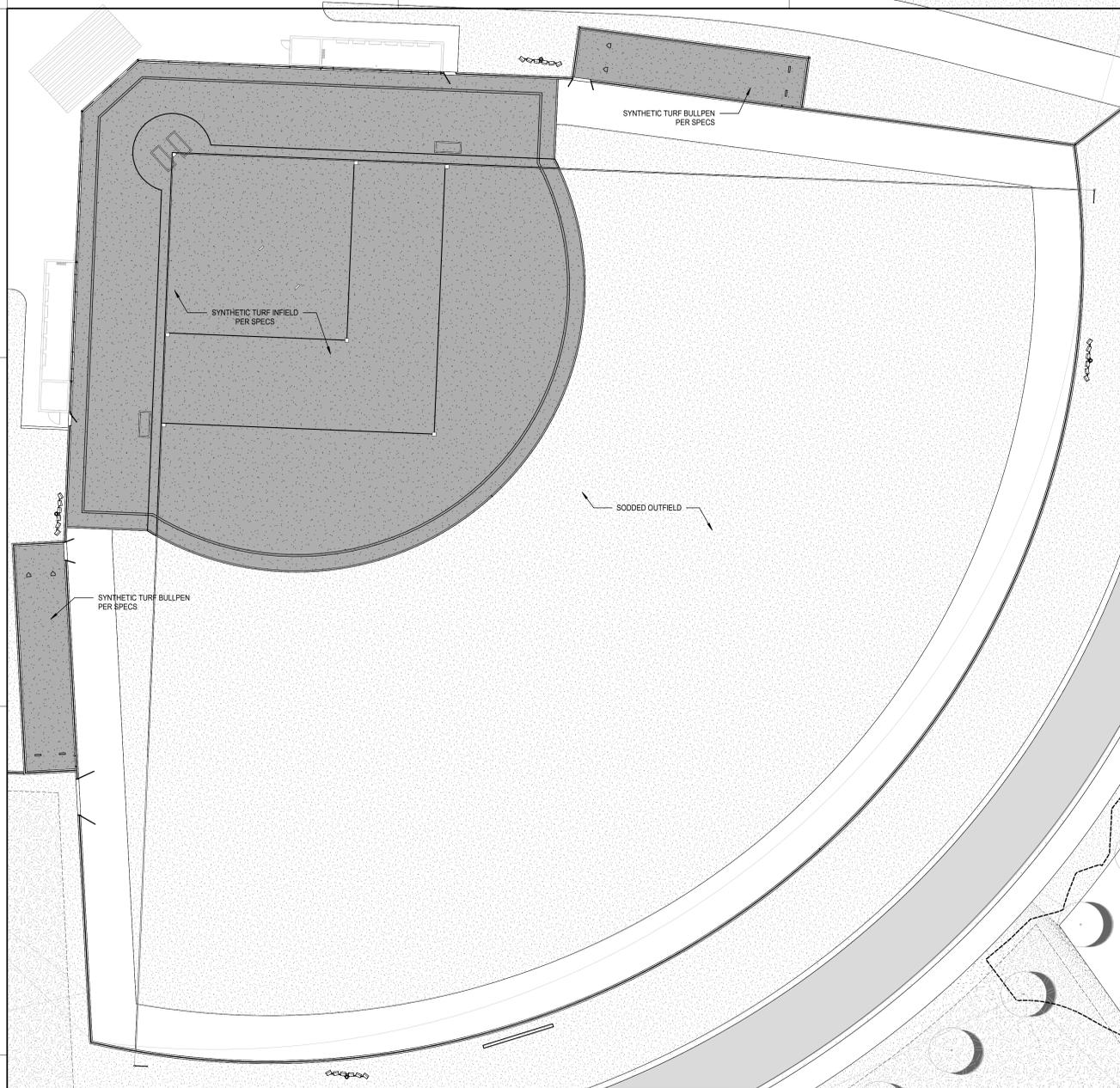
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13-20102  
ENLARGED LANDSCAPE PLAN

L2.4

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1 ALT #1 - SE FIELD SYNTHETIC TURF PLAN  
 L2.4A SCALE: 1" = 20'-0"

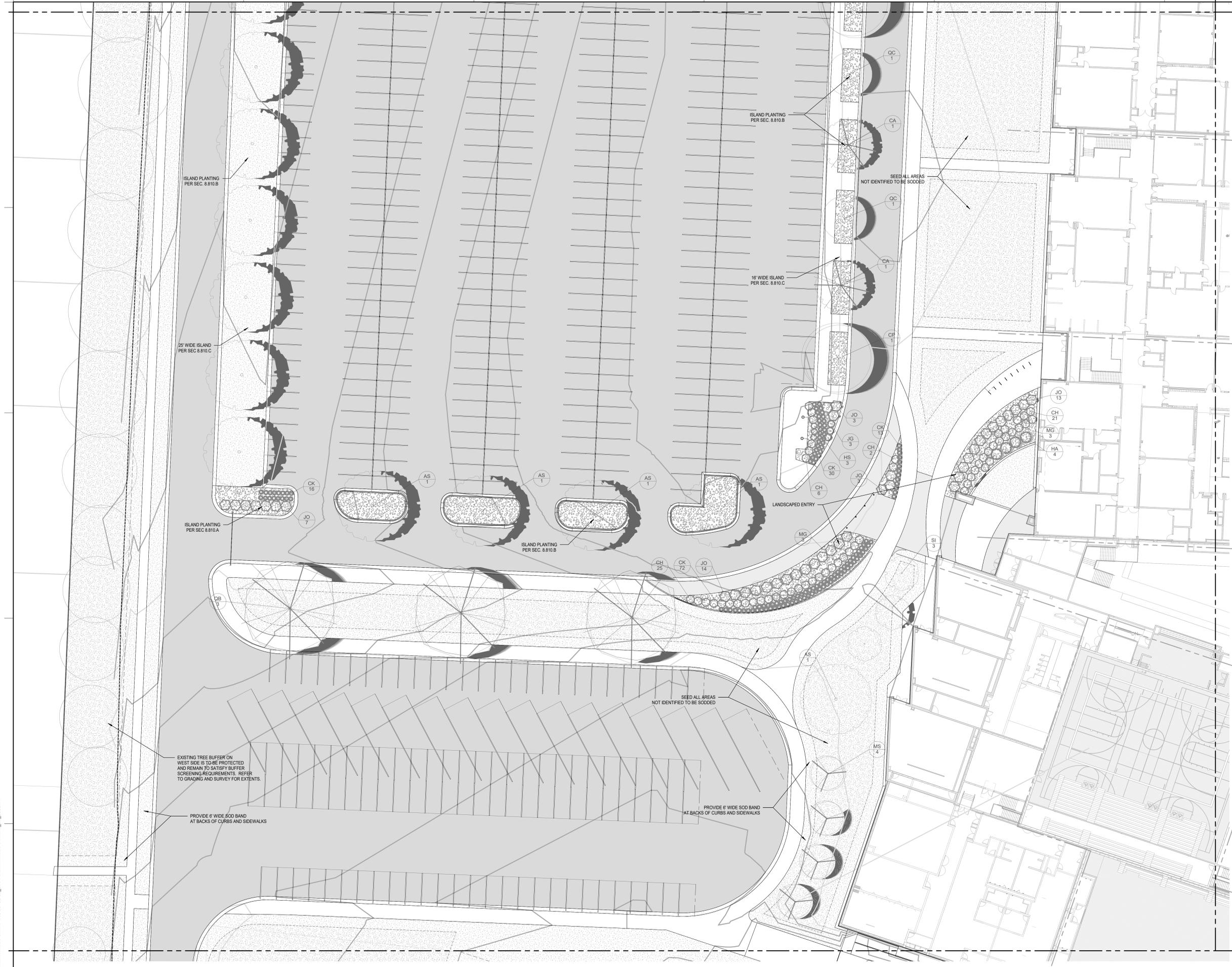
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 GUIDELINES FOR RULES AND REGULATIONS

SCALE: 1" = 20'

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ISLAND PLANTING  
PER SEC. 8.810.B

25' WIDE ISLAND  
PER SEC. 8.810.C

ISLAND PLANTING  
PER SEC. 8.810.A

ISLAND PLANTING  
PER SEC. 8.810.B

ISLAND PLANTING  
PER SEC. 8.810.B

16' WIDE ISLAND  
PER SEC. 8.810.C

LANDSCAPED ENTRY

SEED ALL AREAS  
NOT IDENTIFIED TO BE SODDED

SEED ALL AREAS  
NOT IDENTIFIED TO BE SODDED

EXISTING TREE BUFFER ON  
WEST SIDE IS TO BE PROTECTED  
AND REMAIN TO SATISFY BUFFER  
SCREENING REQUIREMENTS. REFER  
TO GRADING AND SURVEY FOR EXTENTS.

PROVIDE 6' WIDE SOD BAND  
AT BACKS OF CURBS AND SIDEWALKS

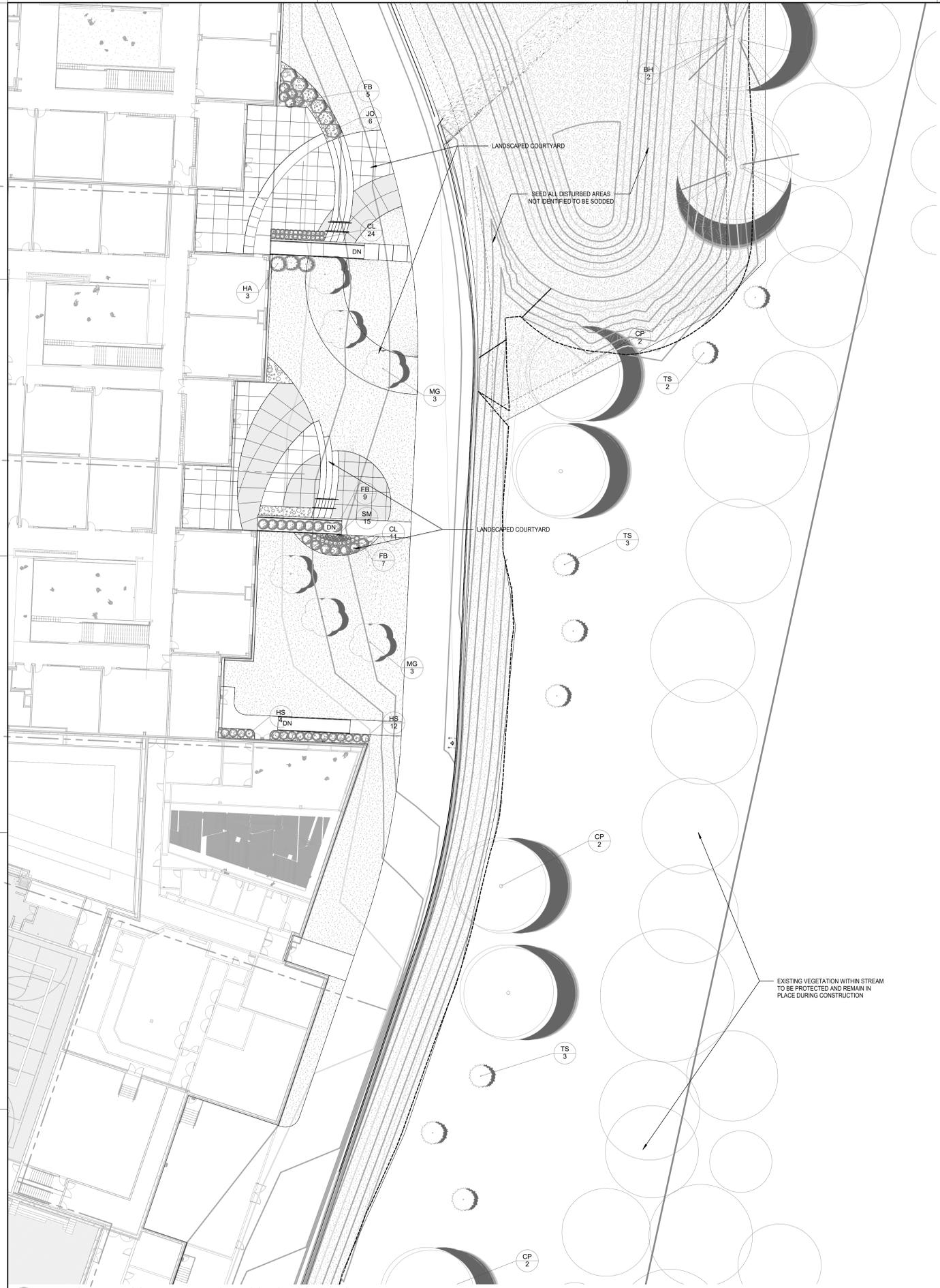
PROVIDE 6' WIDE SOD BAND  
AT BACKS OF CURBS AND SIDEWALKS

1 ENLARGED LANDSCAPE PLAN AT ENTRY  
L2.5 SCALE: 1" = 20'-0"

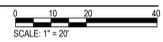


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1 ENLARGED LANDSCAPE PLAN AT OUTDOOR CLASSROOMS  
SCALE: 1" = 20'-0"



LANDSCAPED COURTYARD

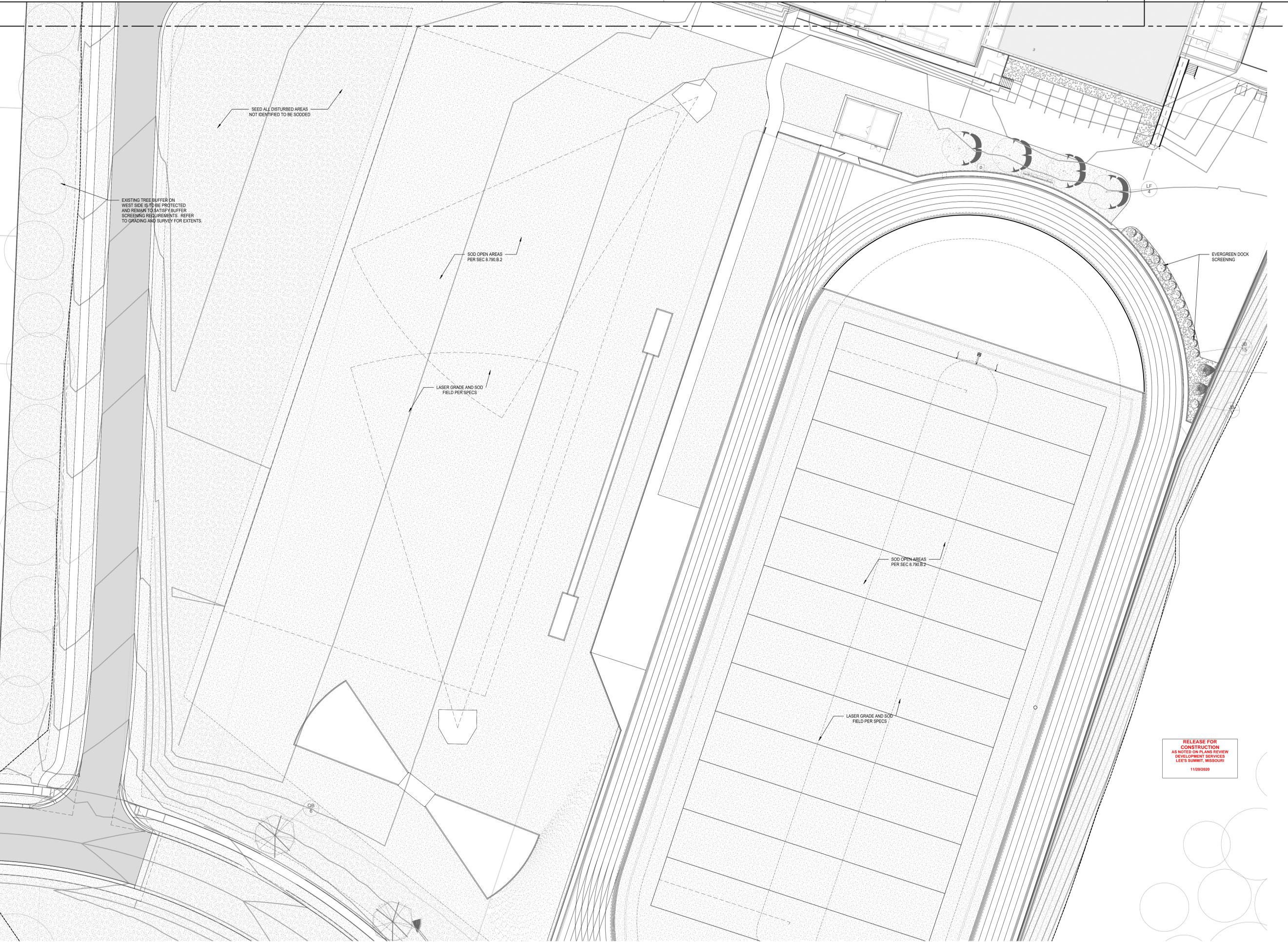
LANDSCAPED COURTYARD

SEED ALL DISTURBED AREAS  
NOT IDENTIFIED TO BE SODDED

EXISTING VEGETATION WITHIN STREAM  
TO BE PROTECTED AND REMAIN IN  
PLACE DURING CONSTRUCTION

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EXISTING TREE BUFFER ON WEST SIDE IS TO BE PROTECTED AND REMAIN TO SATISFY BUFFER SCREENING REQUIREMENTS. REFER TO GRADING AND SURVEY FOR EXTENTS.

SEED ALL DISTURBED AREAS NOT IDENTIFIED TO BE SODDED

SOD OPEN AREAS PER SEC 8.790.B.2

LASER GRADE AND SOD FIELD PER SPECS

SOD OPEN AREAS PER SEC 8.790.B.2

LASER GRADE AND SOD FIELD PER SPECS

EVERGREEN DOCK SCREENING

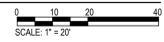
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OB 6

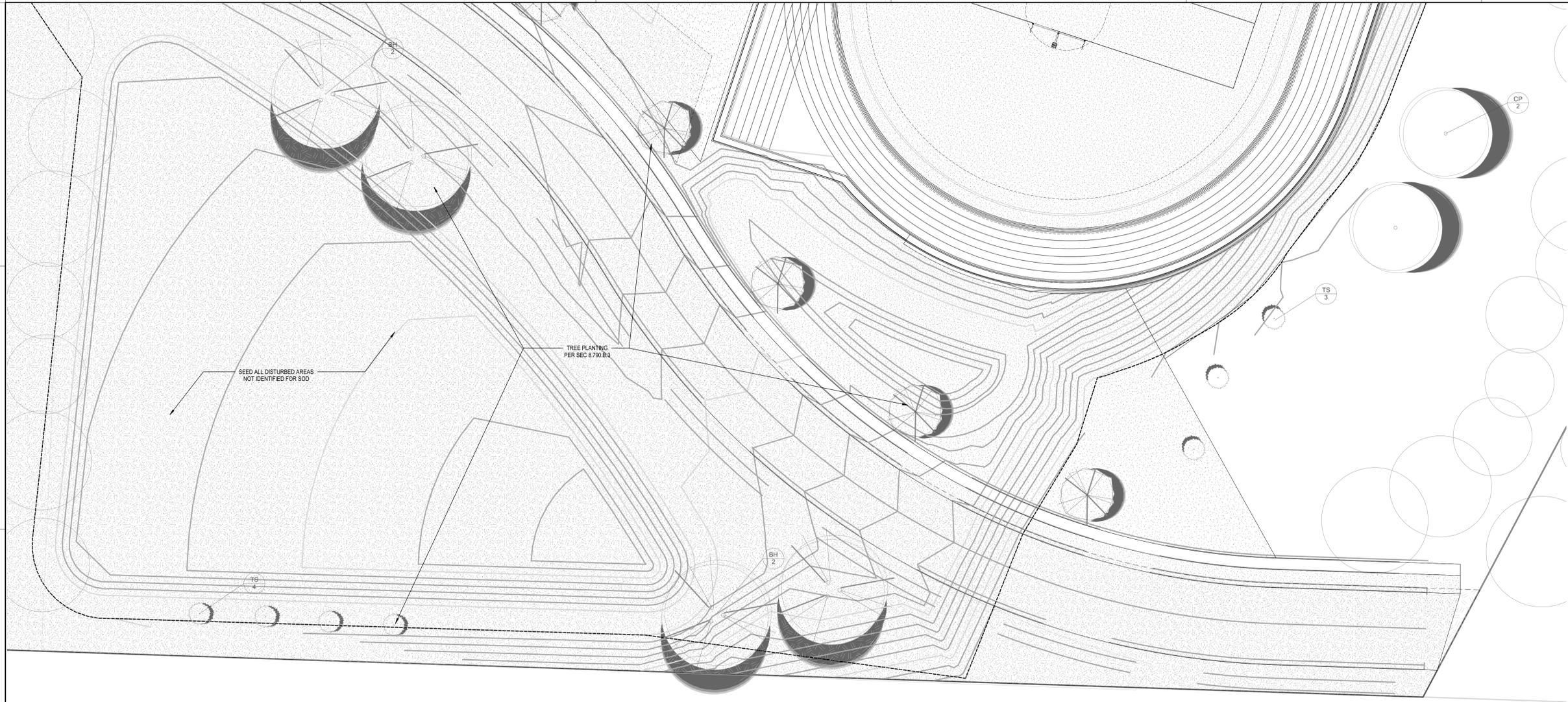
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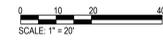
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1 ENLARGED LANDSCAPE PLAN AT TRACK AND FIELD  
L2.7 SCALE: 1" = 20'-0"



1 ENLARGED LANDSCAPE PLAN AT TRACK AND FIELD 2  
L2.8 SCALE: 1" = 20'



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LEE'S SUMMIT R-7 SCHOOL DISTRICT  
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LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN

08/28/20 REVISIONS  
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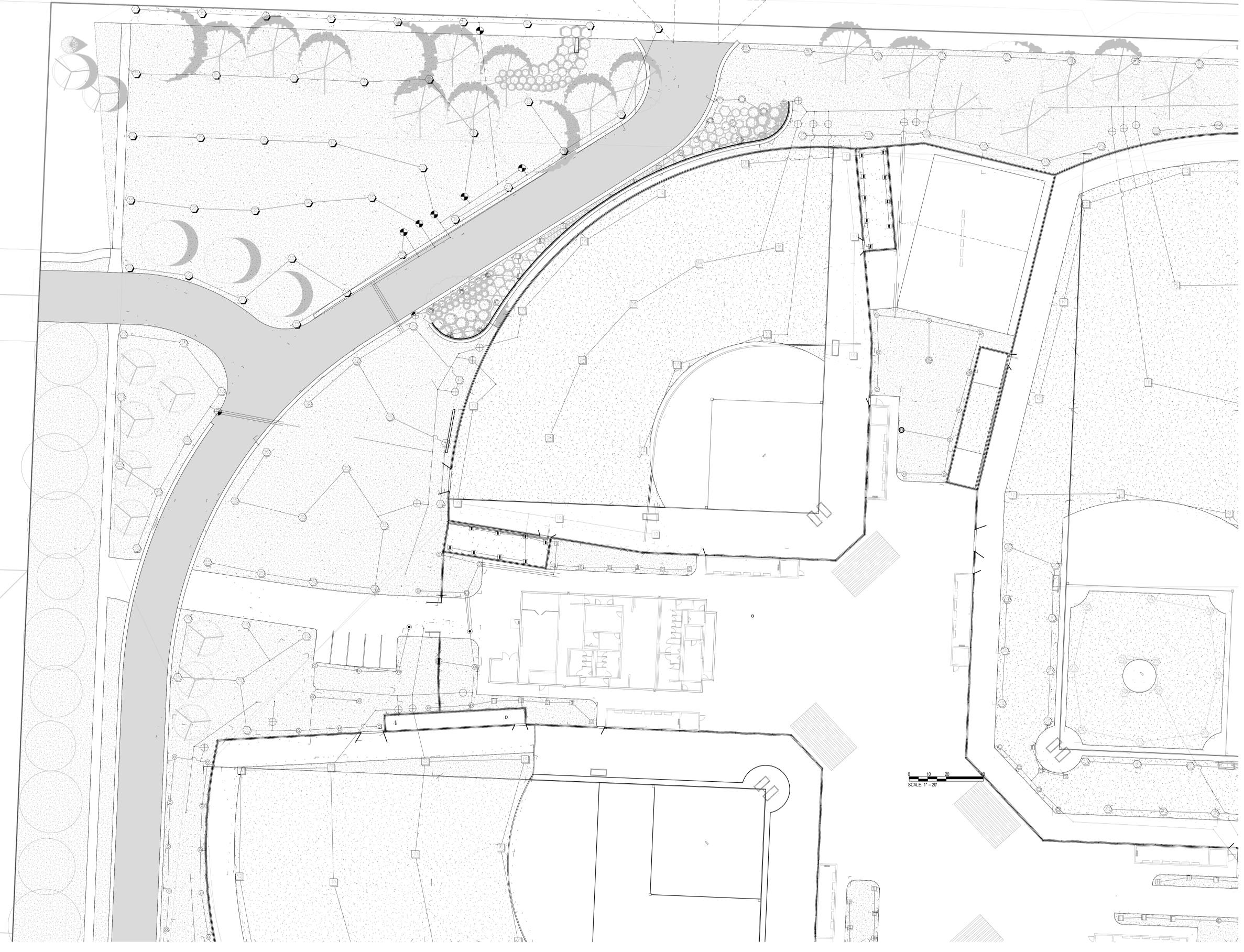
13-20102 ENLARGED LANDSCAPE PLAN

L2.8

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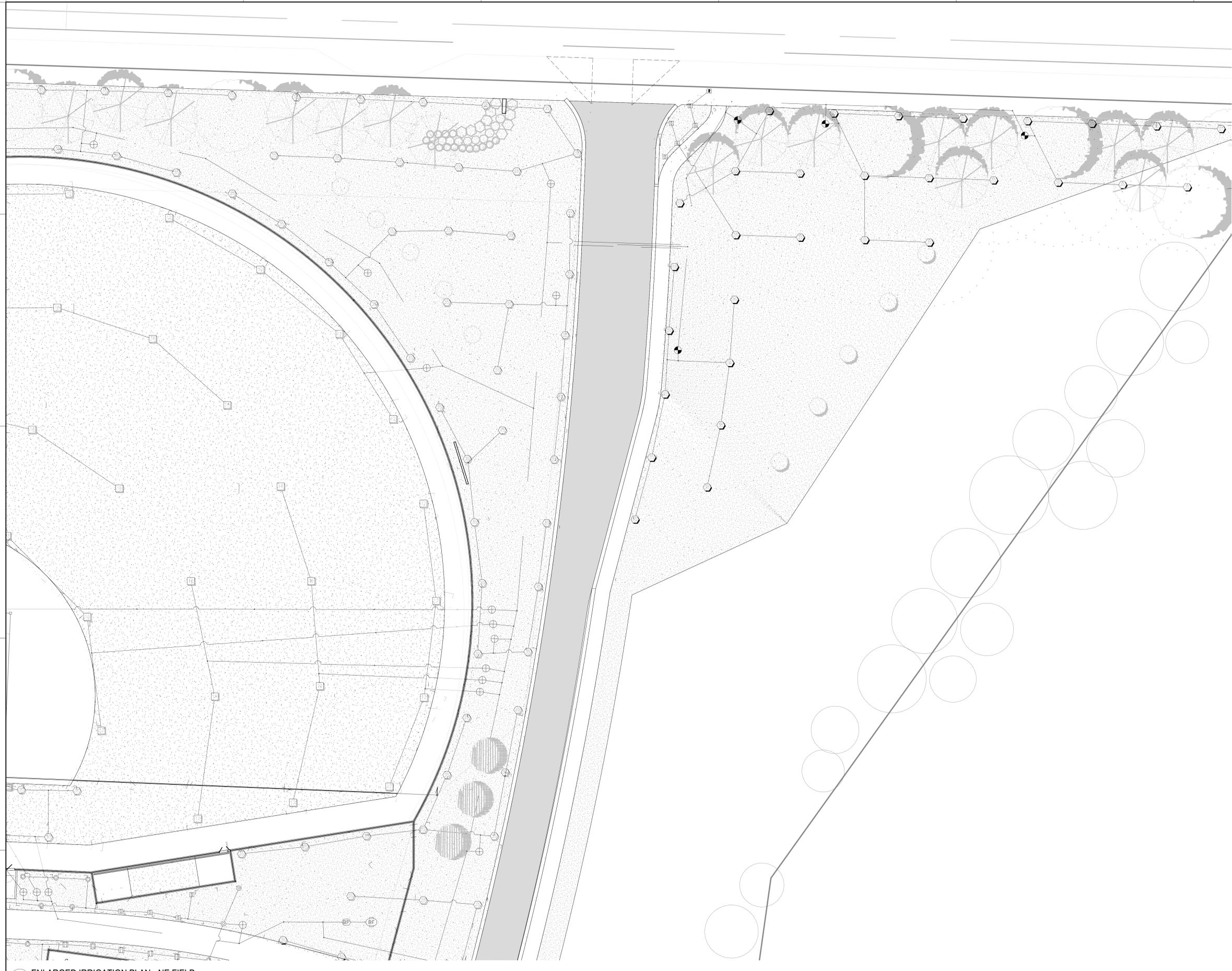


1 CD - ENLARGED IRRIGATION PLAN - NW FIELD  
SCALE: 1" = 20'-0"

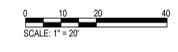
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SCALE: 1" = 20'

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1 ENLARGED IRRIGATION PLAN - NE FIELD  
L3.2 SCALE: 1" = 20'-0"



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FINAL DEVELOPMENT PLAN

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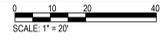
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ENLARGED IRRIGATION PLAN

L3.2

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10/2/2020 3:50:58 PM



1 ENLARGED IRRIGATION PLAN - SW FIELD  
L3.3 SCALE: 1" = 20'-0"



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FINAL DEVELOPMENT PLAN

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ENLARGED IRRIGATION PLAN

L3.3

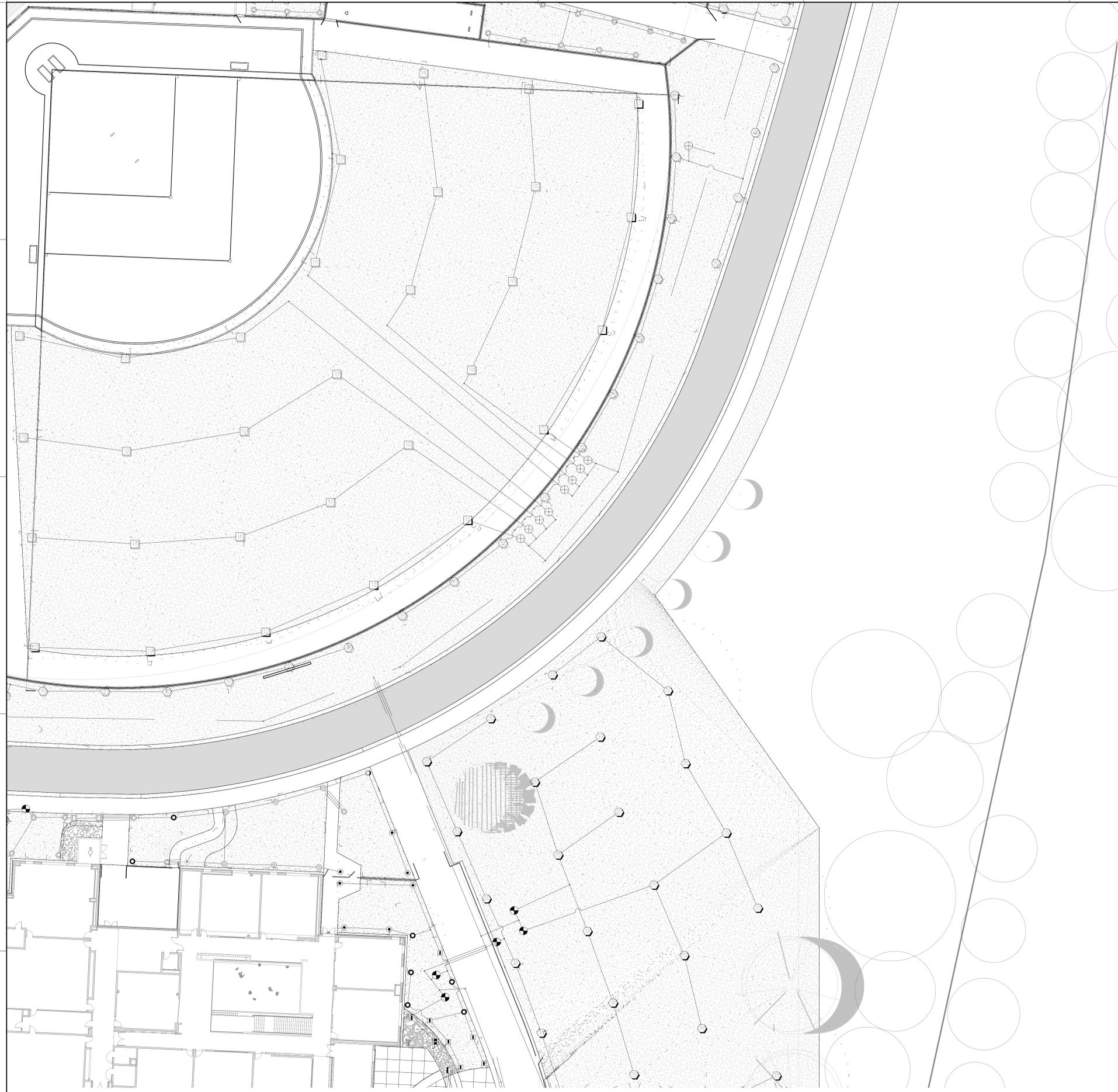
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1 CD - ENLARGED IRRIGATION PLAN - SE FIELD  
L3.4 SCALE: 1" = 20'-0"



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ENLARGED IRRIGATION PLAN

L3.4

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WB - 40  
PUMP 1079 (10)

1 ENLARGED IRRIGATION PLAN - FRONT YARD  
L3.5 SCALE: 1" = 20'-0"

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FINAL DEVELOPMENT PLAN  
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13-20102  
ENLARGED IRRIGATION PLAN

L3.5

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1 CD - ENLARGED IRRIGATION PLAN - BACKYARD  
L3.6 SCALE: 1" = 20'-0"

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L3.6

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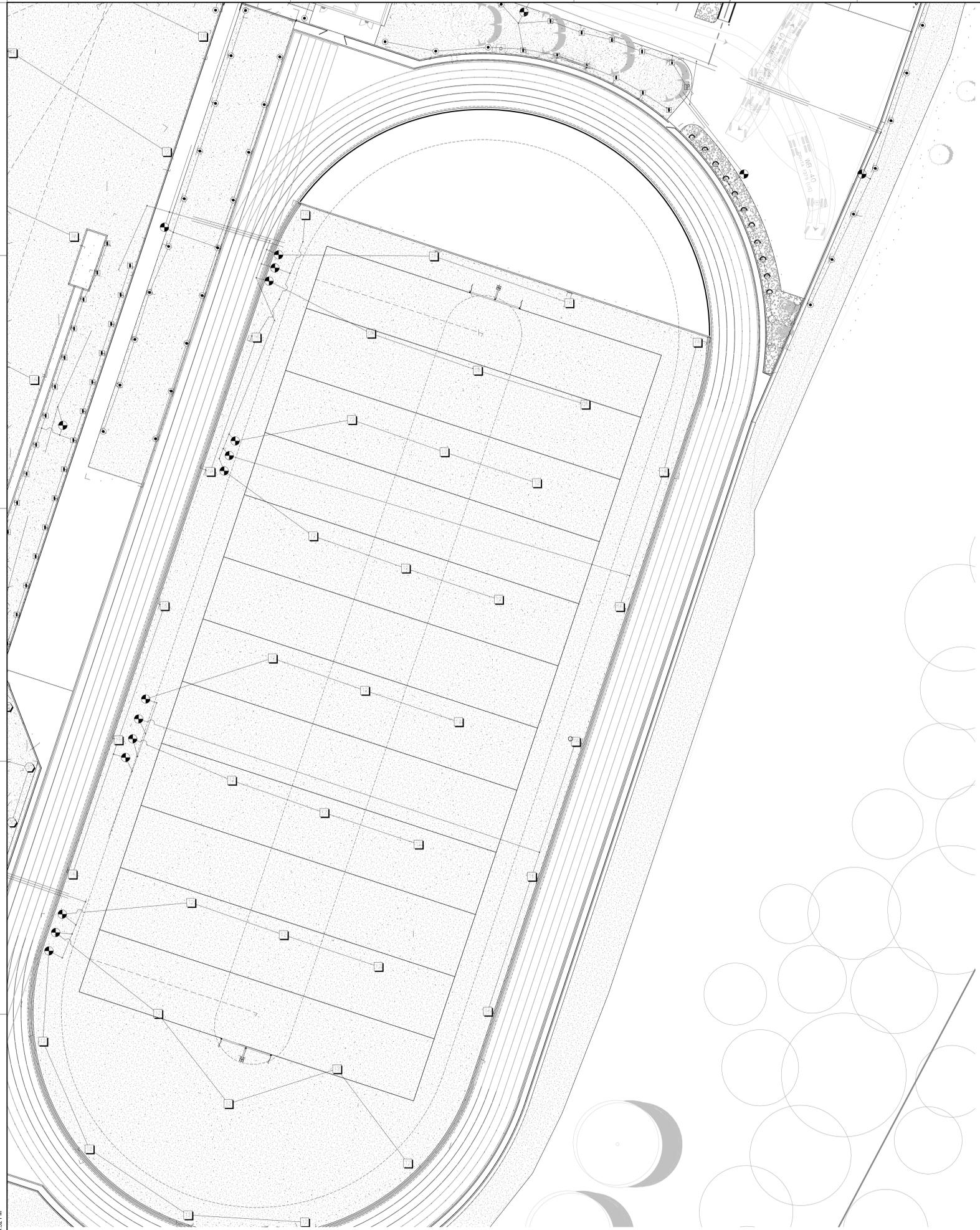
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1 CD - ENLARGED IRRIGATION PLAN - TRACK AND FIELD 1  
L3.7 SCALE: 1" = 20'-0"

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ENLARGED IRRIGATION PLAN

L3.7

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1 CD - ENLARGED IRRIGATION PLAN - TRACK AND FIELD 2  
L3.8 SCALE: 1" = 20'-0"

0 10 20 40  
SCALE: 1" = 20'

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COMMENTS 10.01.20

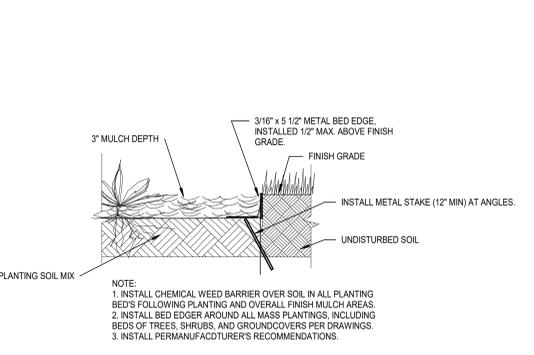
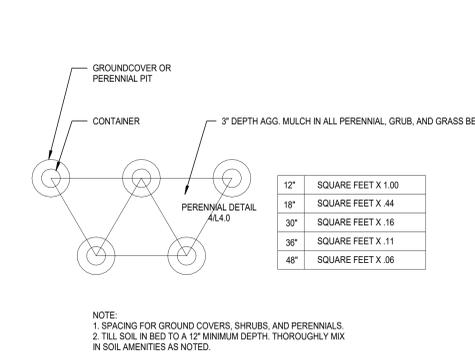
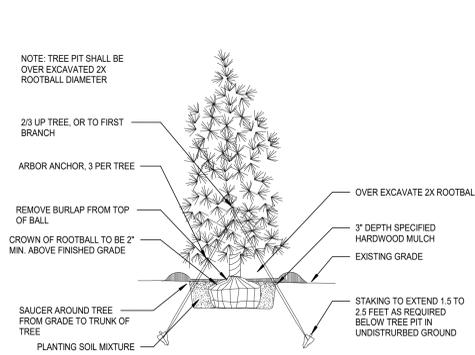
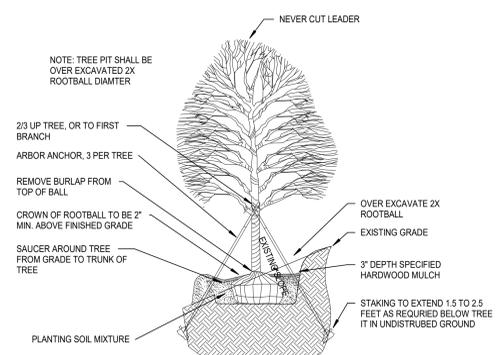
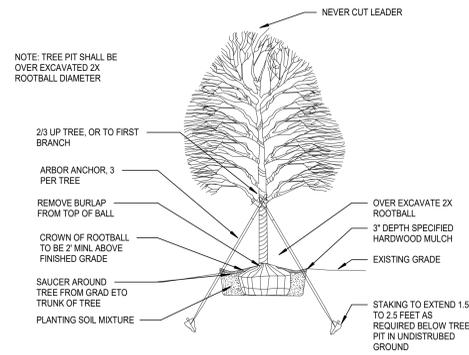
13-20102  
ENLARGED  
IRRIGATION PLAN

L3.8

NOT FOR CONSTRUCTIONS

Project  
Logo  
Consultant Logo

 DLR Group  
© DLR Group



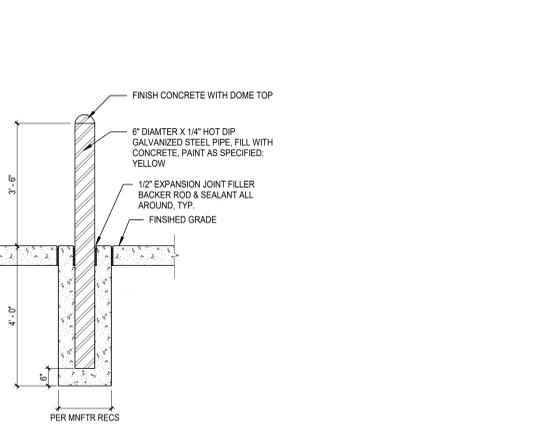
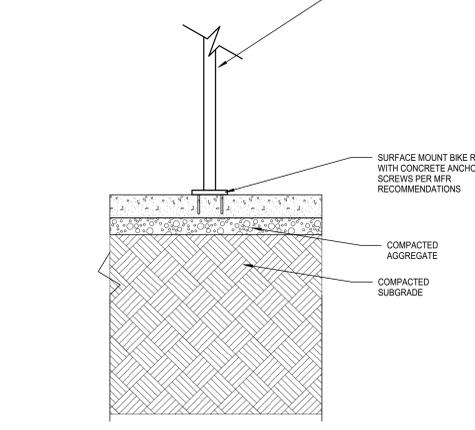
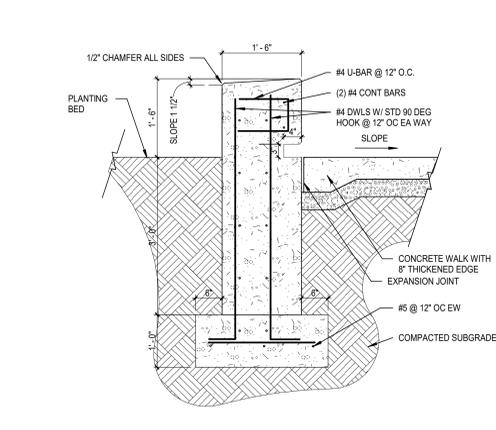
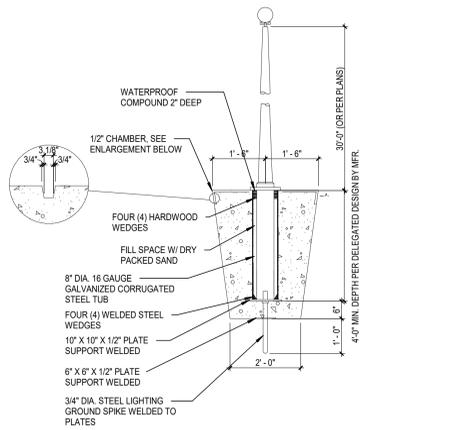
1 DECIDUOUS TREE PLANTING  
L4.0 SCALE: 1/8" = 1'-0"

2 DECIDUOUS TREE PLANTING ON SLOPE  
L4.0 SCALE: 1/8" = 1'-0"

3 EVERGREEN TREE PLANTING  
L4.0 SCALE: 1/8" = 1'-0"

4 PERENNIAL LAYOUT PLAN  
L4.0 SCALE: 1/12" = 1'-0"

5 PLANT BED EDGER  
L4.0 SCALE: 1" = 1'-0"

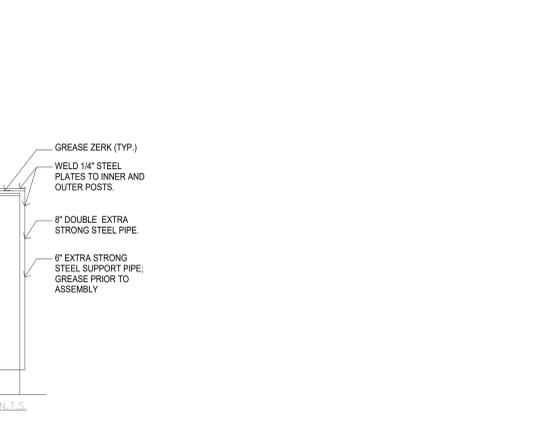
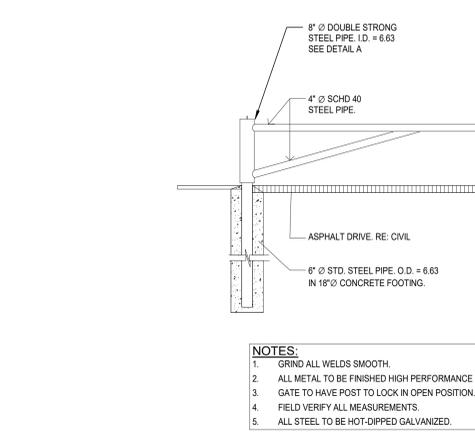
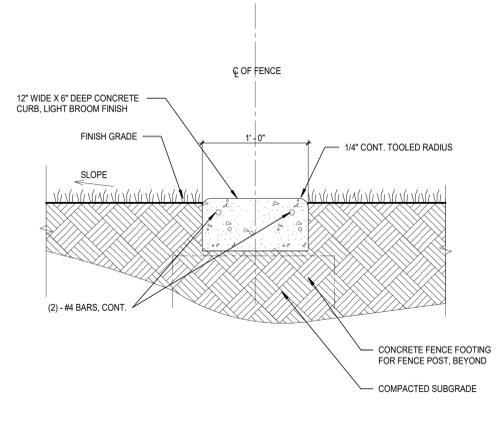
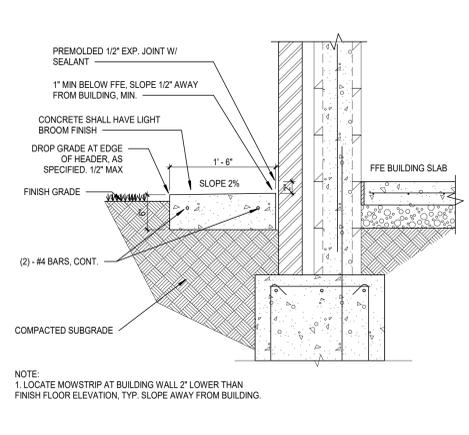


6 FLAGPOLE  
L4.0 SCALE: 1/2" = 1'-0"

7 CONCRETE SEAT WALL  
L4.0 SCALE: 3/4" = 1'-0"

8 BIKE RACK DETAIL  
L4.0 SCALE: 1" = 1'-0"

10 BOLLARD  
L4.0 SCALE: 1/2" = 1'-0"

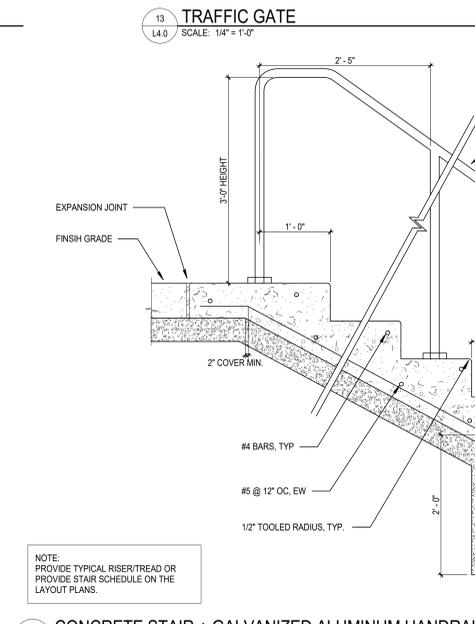


11 CONC. MOW STRIP @ BUILDING EDGE  
L4.0 SCALE: 1" = 1'-0"

12 MOW STRIP AT FENCE  
L4.0 SCALE: 1/12" = 1'-0"

13 TRAFFIC GATE  
L4.0 SCALE: 1/4" = 1'-0"

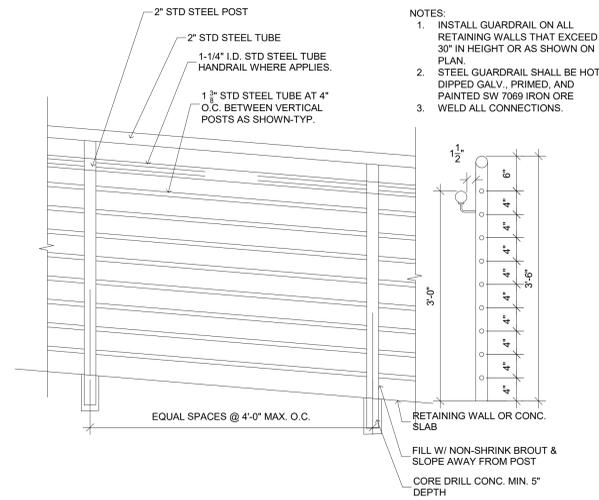
14 LEARNING STEPS SECTION  
L4.0 SCALE: 1" = 1'-0"



15 CONCRETE STAIR + GALVANIZED ALUMINUM HANDRAIL  
L4.0 SCALE: 1" = 1'-0"

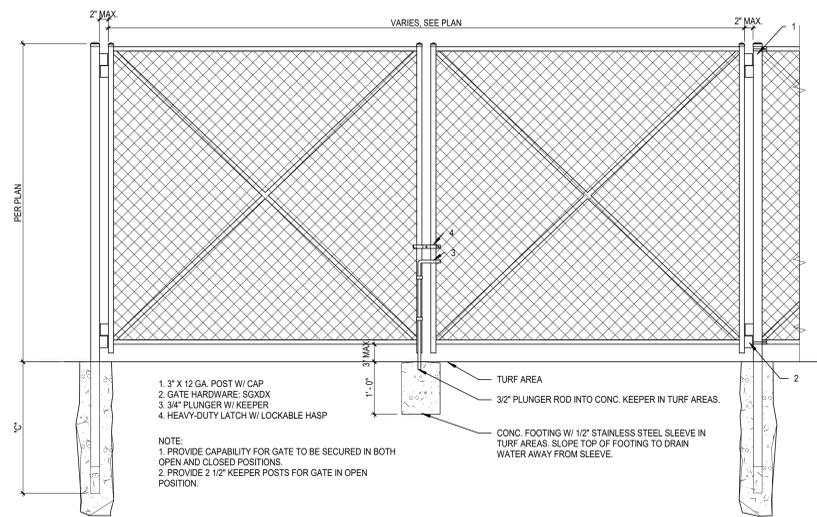
NOTES:  
1. GRIND ALL WELDS SMOOTH.  
2. ALL METAL TO BE FINISHED HIGH PERFORMANCE EXTERIOR PRIMER AND PAINT.  
3. GATE TO HAVE POST TO LOCK IN OPEN POSITION.  
4. FIELD VERIFY ALL MEASUREMENTS.  
5. ALL STEEL TO BE HOT-DIPPED GALVANIZED.

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI  
11/20/2020



- NOTES:
1. INSTALL GUARDRAIL ON ALL RETAINING WALLS THAT EXCEED 30" IN HEIGHT OR AS SHOWN ON PLAN.
  2. STEEL GUARDRAIL SHALL BE HOT DIPPED GALV., PRIMED, AND PAINTED SW 7085 IRON ORE.
  3. WELD ALL CONNECTIONS.

1 DECORATIVE GUARDRAIL  
SCALE: 1" = 1'-0"



4 CHAIN LINK GATE  
SCALE: 3/4" = 1'-0"

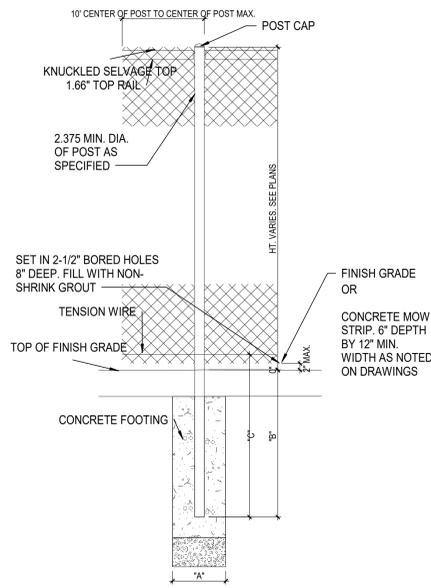
GATE POST

GATE LEAF WIDTH	GATE POST (OD)	FABRIC HEIGHT	"A" DIAM	"B" DEPTH	"C" POST EMBED.
3' TO 6'	2.875"	3' TO 5'	12"	42"	40"
		6' TO 9'	14"	42"	44"
		10' TO 12'	16"	46"	48"
7' TO 12'	4.000"	3' TO 5'	14"	42"	40"
		6' TO 9'	16"	42"	44"
		10' TO 12'	18"	46"	48"

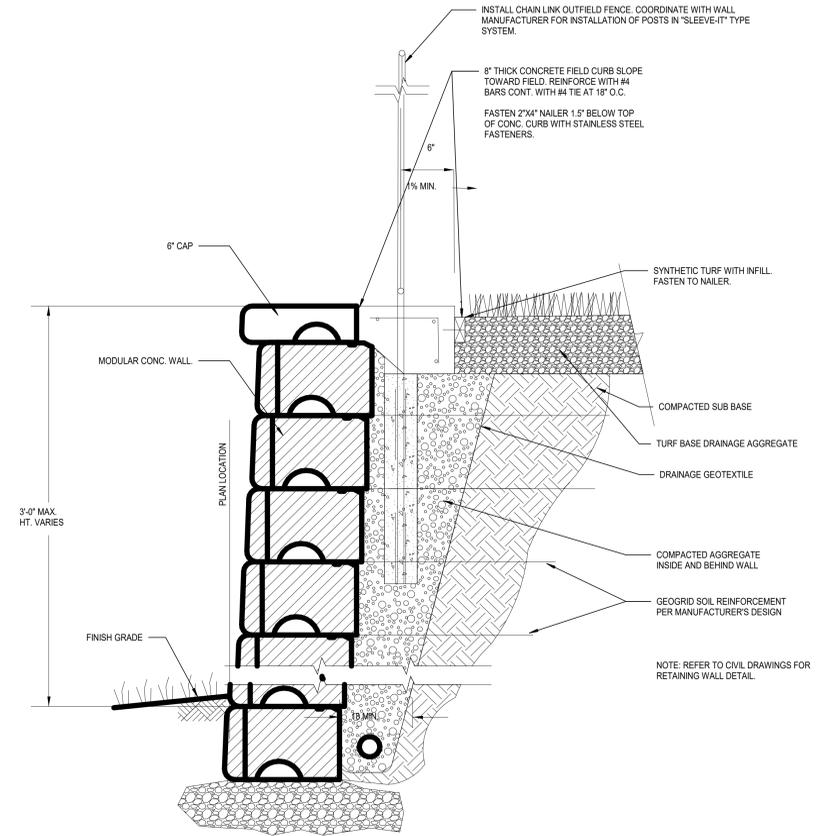
LINE AND TERMINAL POSTS

FABRIC HEIGHT	TYPE POST	"A" DIAM.	"B" POST DEPTH	"C" MIN. FOOTING DEPTH
3'-0" TO 4'-0"	LINE	12"	36"	38"
	TERMINAL	12"	36"	38"
5'-0"	LINE	12"	36"	38"
	TERMINAL	12"	36"	38"
6'-0" TO 9'-0"	LINE	12"	36"	38"
	TERMINAL	12"	36"	38"
10'-0" TO 12'-0"	LINE	18"	36"	38"
	TERMINAL	18"	48"	52"

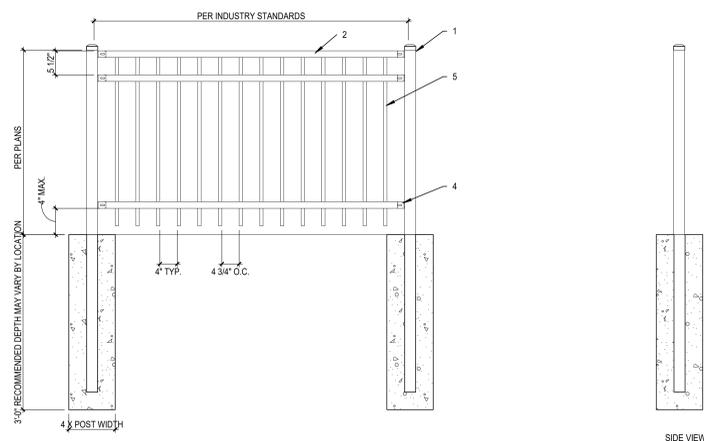
NOTE: TERMINAL POSTS INCLUDE END, CORNER AND PULL POSTS



5 CHAIN LINK FENCE  
SCALE: 3/4" = 1'-0"



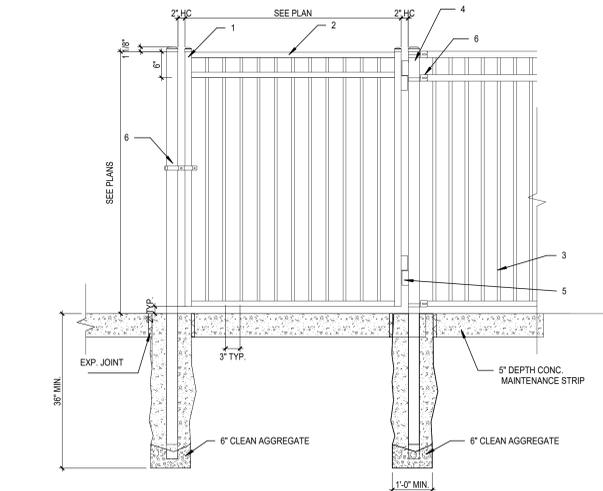
6 FENCE/GUARDRAIL SLEEVE-IT SYSTEM  
SCALE: 1 1/2" = 1'-0"



7 6' ORNAMENTAL FENCE  
SCALE: 3/4" = 1'-0"

PANELS TO BE FIELD CUT TO FIT BY OTHERS  
BRACKETS TO BE THRU BOLTED  
FOR PRODUCTION USE PIN 1R1M340

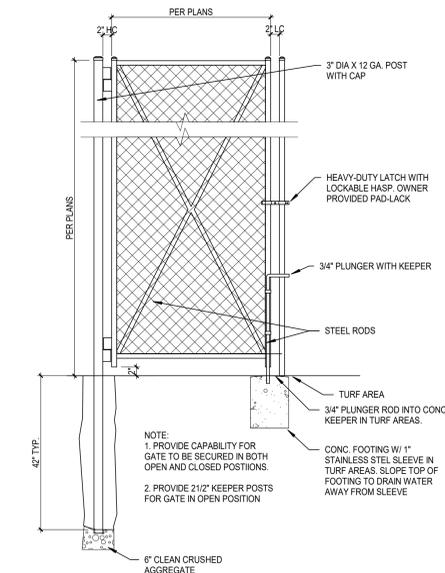
1. 2 1/2" SQ X 14 GA POST
2. 1 7/16" X 1 1/2" X 14 GA CHANNEL RAIL
3. 3/4" SQ X 18 GA PICKET
4. BX111SR BRACKET



8 6' H ORNAMENTAL GATE  
SCALE: 3/4" = 1'-0"

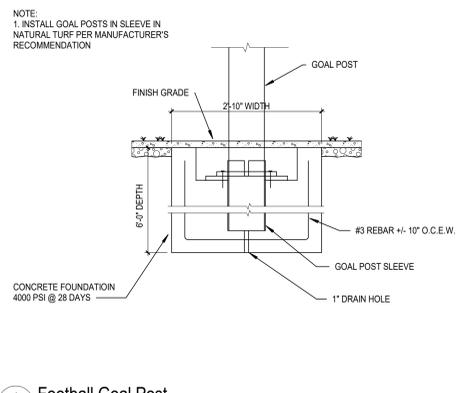
1. 1-3/4" X 14 GA. GATE END
2. RIBBED CHANNEL RAIL
3. 4-3/4" X 16 GA PICKET
4. 3" X 1/2" GA. POST
5. SELF CLOSING SPRING-LOADED GATE HARDWARE: SGKX3 CLAMP-TYPE HINGE
6. LATCHING GATE HASP WITH HOLES FOR LOCKS

- NOTES:
1. FOOTING WIDTH TO BE 4X POST WIDTH
  2. COLOR TO BE BLACK
  3. MANUFACTURER: AMERISTAR "MAJESTIC" WITH MONTAGE PLUS FUSION WELDED STEEL CONSTRUCTION OR APPROVED EQUAL
  4. GATE DESIGN BASED ON MONTAGE PLUS PANEL MAJESTIC, AS MANUFACTURED BY AMERISTAR, OR APPROVED EQUAL.

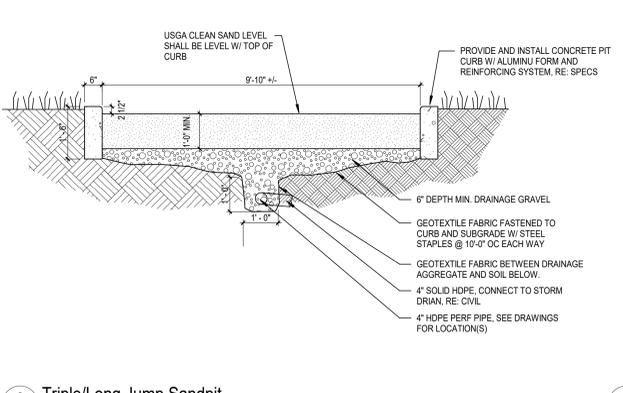


9 3' CHAINLINK SINGLE GATE  
SCALE: 3/4" = 1'-0"

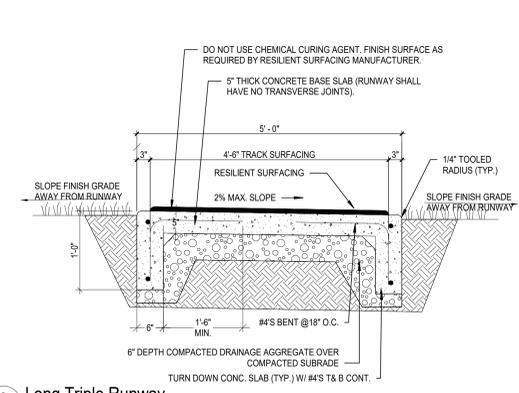
RELEASE FOR CONSTRUCTION  
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LEE'S SUMMIT, MISSOURI  
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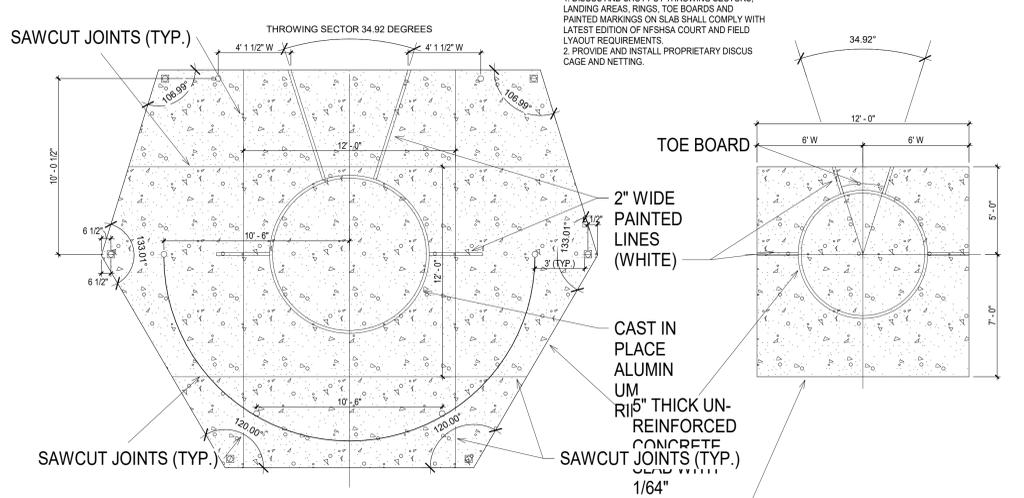
1 Football Goal Post  
L4.2 SCALE: 3/4" = 1'-0"



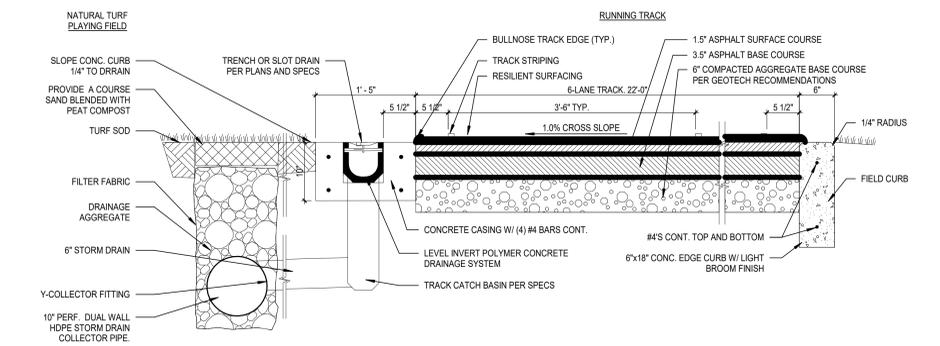
2 Triple/Long Jump Sandpit  
L4.2 SCALE: 1/2" = 1'-0"



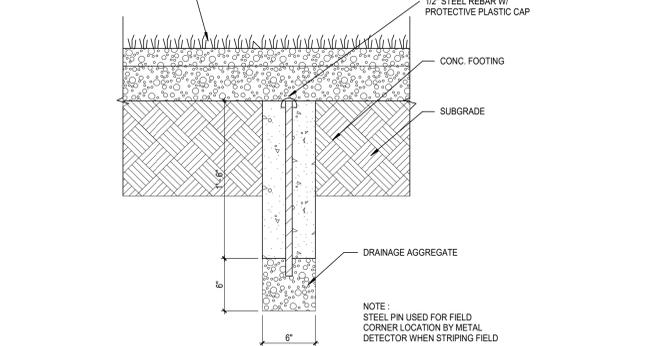
3 Long Triple Runway  
L4.2 SCALE: 3/4" = 1'-0"



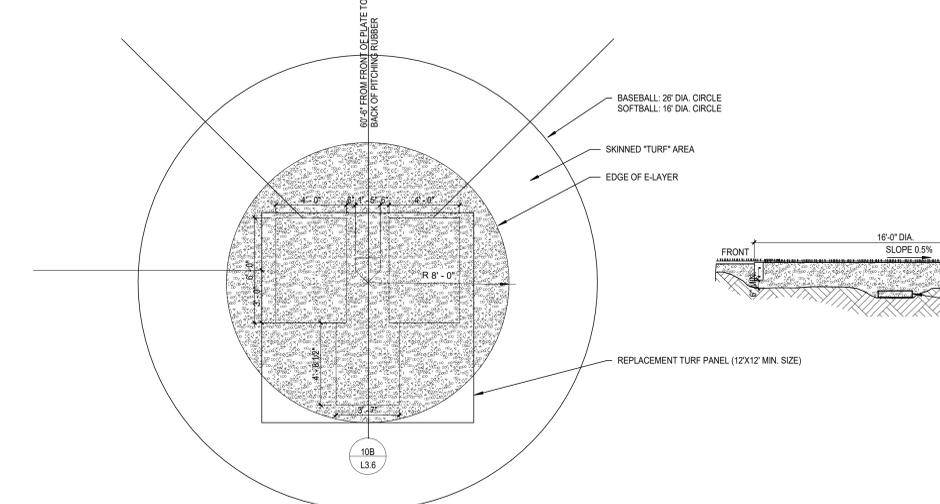
4 Discus + Shot Put Pad  
L4.2 SCALE: 1/4" = 1'-0"



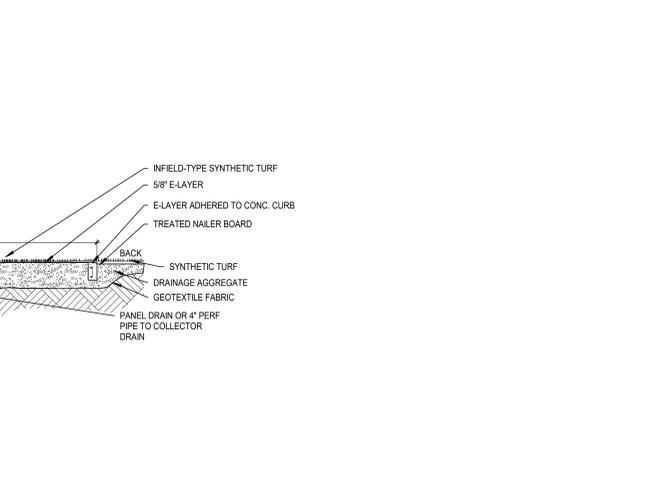
6 TRACK AND TRENCH DRAIN SECTION  
L4.2 SCALE: 1" = 1'-0"



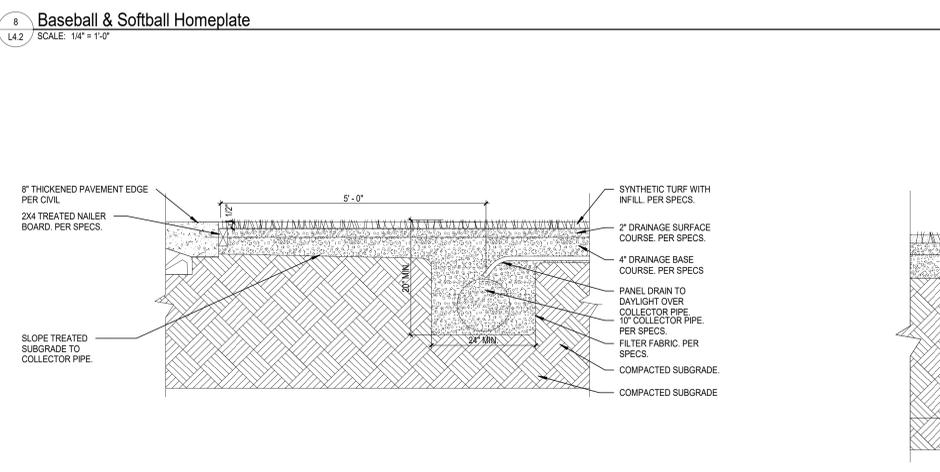
7 Track Radius Monument  
L4.2 SCALE: 1 1/2" = 1'-0"



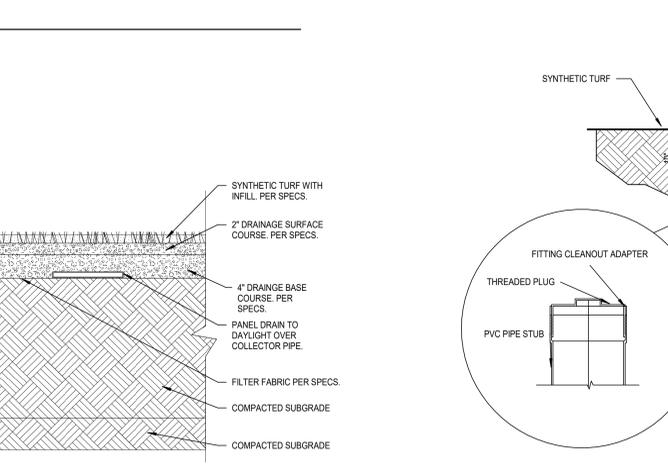
8 Baseball & Softball Homeplate  
L4.2 SCALE: 1/4" = 1'-0"



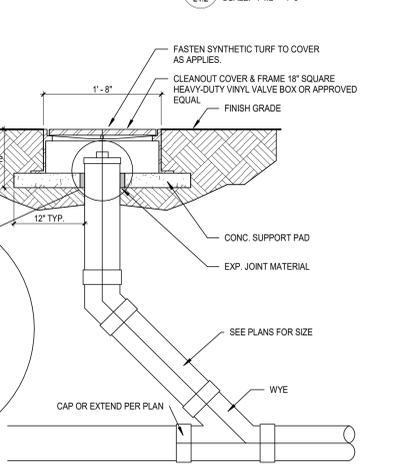
10 Fence at Retaining Wall  
L4.2 SCALE: 1 1/2" = 1'-0"



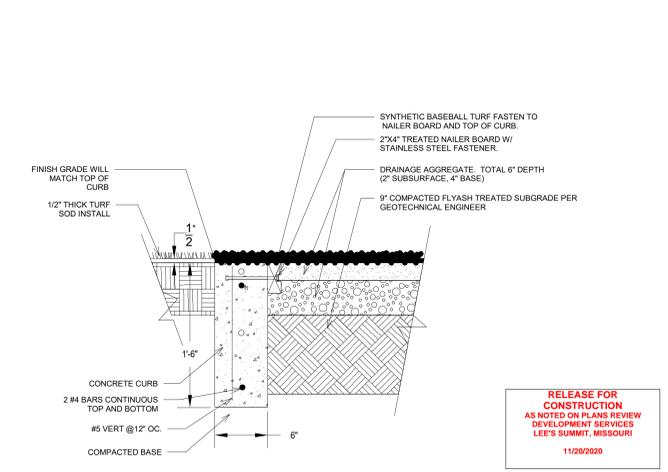
11 Typical Synthetic Turf Section  
L4.2 SCALE: 3/4" = 1'-0"



12 Panel Drain  
L4.2 SCALE: 1" = 1'-0"



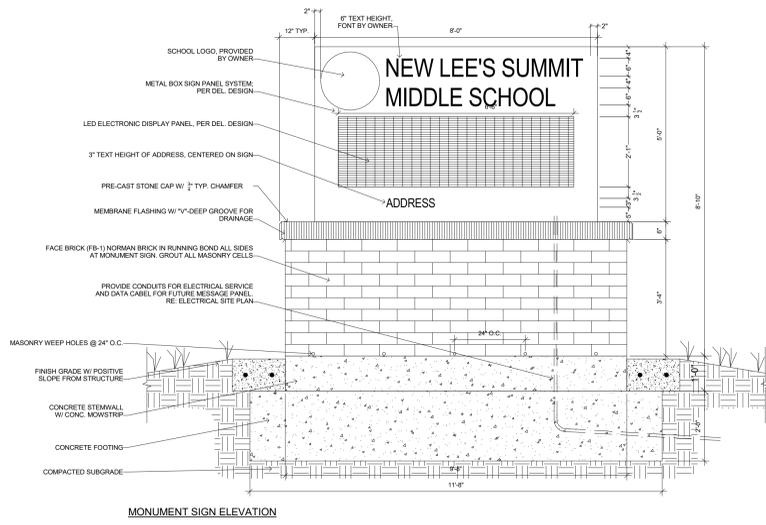
14 Cleanout With Cap  
L4.2 SCALE: 1" = 1'-0"



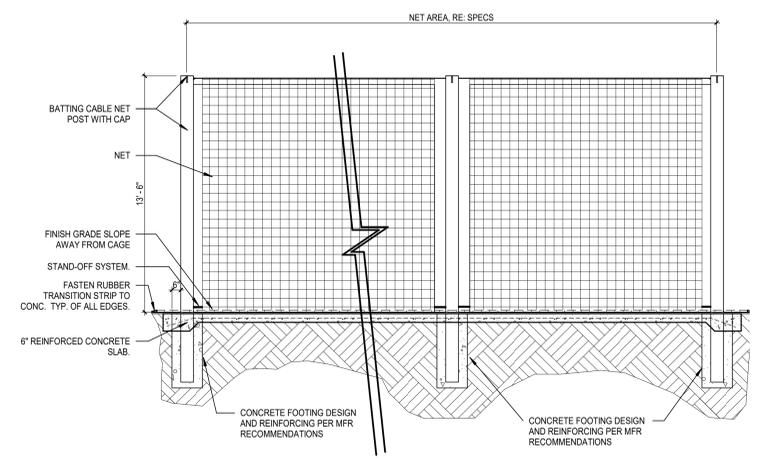
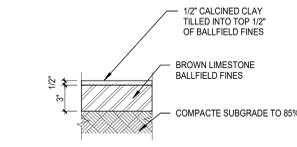
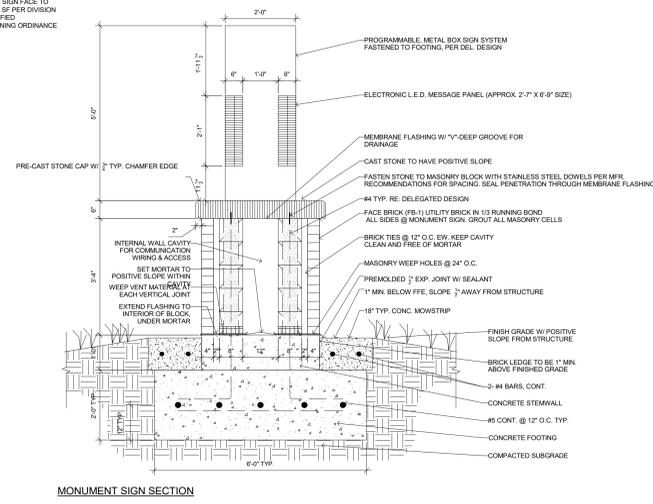
5 Baseball Transition Curb  
L4.2 SCALE: 1 1/2" = 1'-0"

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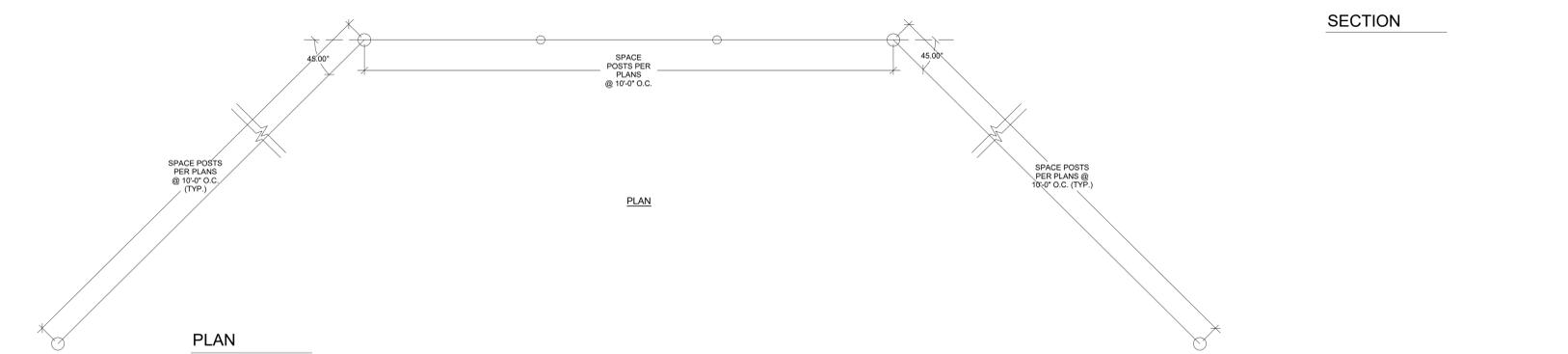
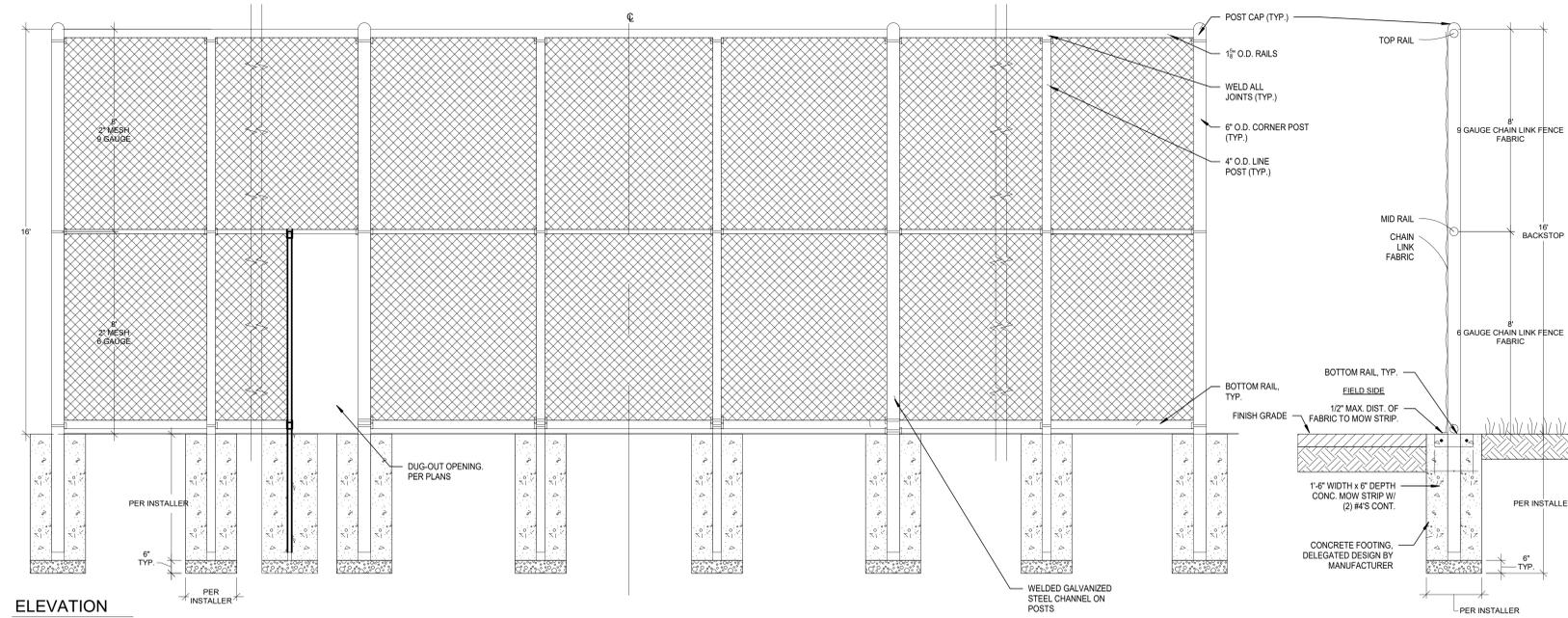
NOTE:  
1. EACH MONUMENT SIGN FACE TO BE A TOTAL OF 40 SF PER DIVISION  
11 SIGNS PER UNIFIED  
GOVERNMENT ZONING ORDINANCE



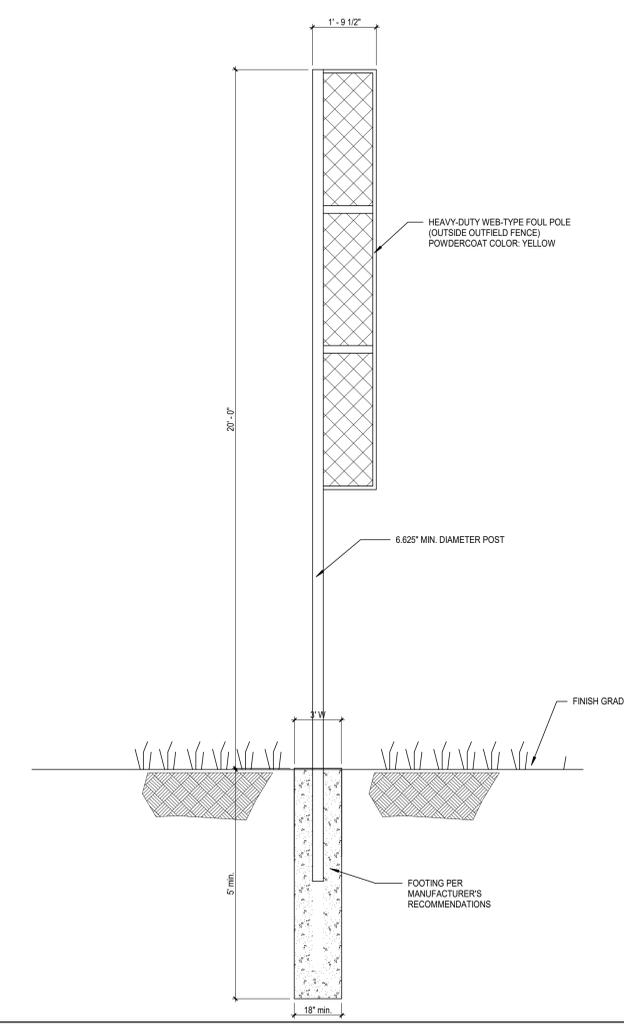
1 MONUMENT SIGNS Copy 1  
L4.3 SCALE: 1/2" = 1'-0"

3 Warning Track Section  
L4.3 SCALE: 1/12" = 1'-0"

5 Batting Cage Detail  
L4.3 SCALE: 1/4" = 1'-0"



6 Backstop  
L4.3 SCALE: 3/8" = 1'-0"



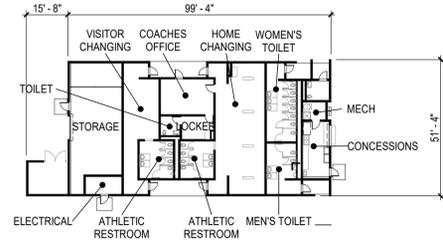
4 Foul Pole  
L4.3 SCALE: 1/2" = 1'-0"

RELEASE FOR CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
11/20/2020

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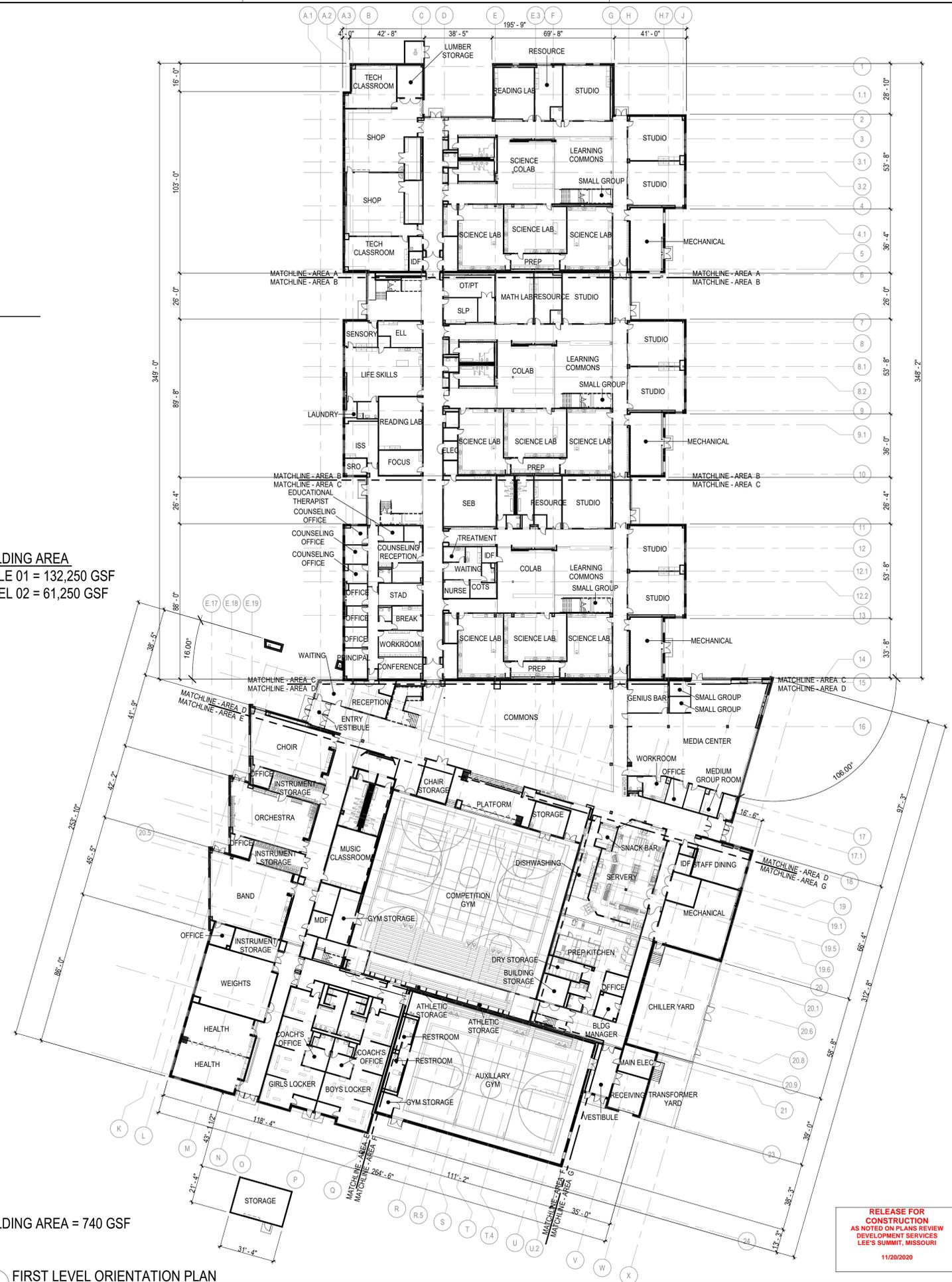
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02/20/2020 5:27:31 PM

BUILDING AREA = 4,830 GSF



2 FIRST LEVEL FLOOR PLAN - AREA S  
A1.01A SCALE: 1/32" = 1'-0"

BUILDING AREA  
LEVEL 01 = 132,250 GSF  
LEVEL 02 = 61,250 GSF



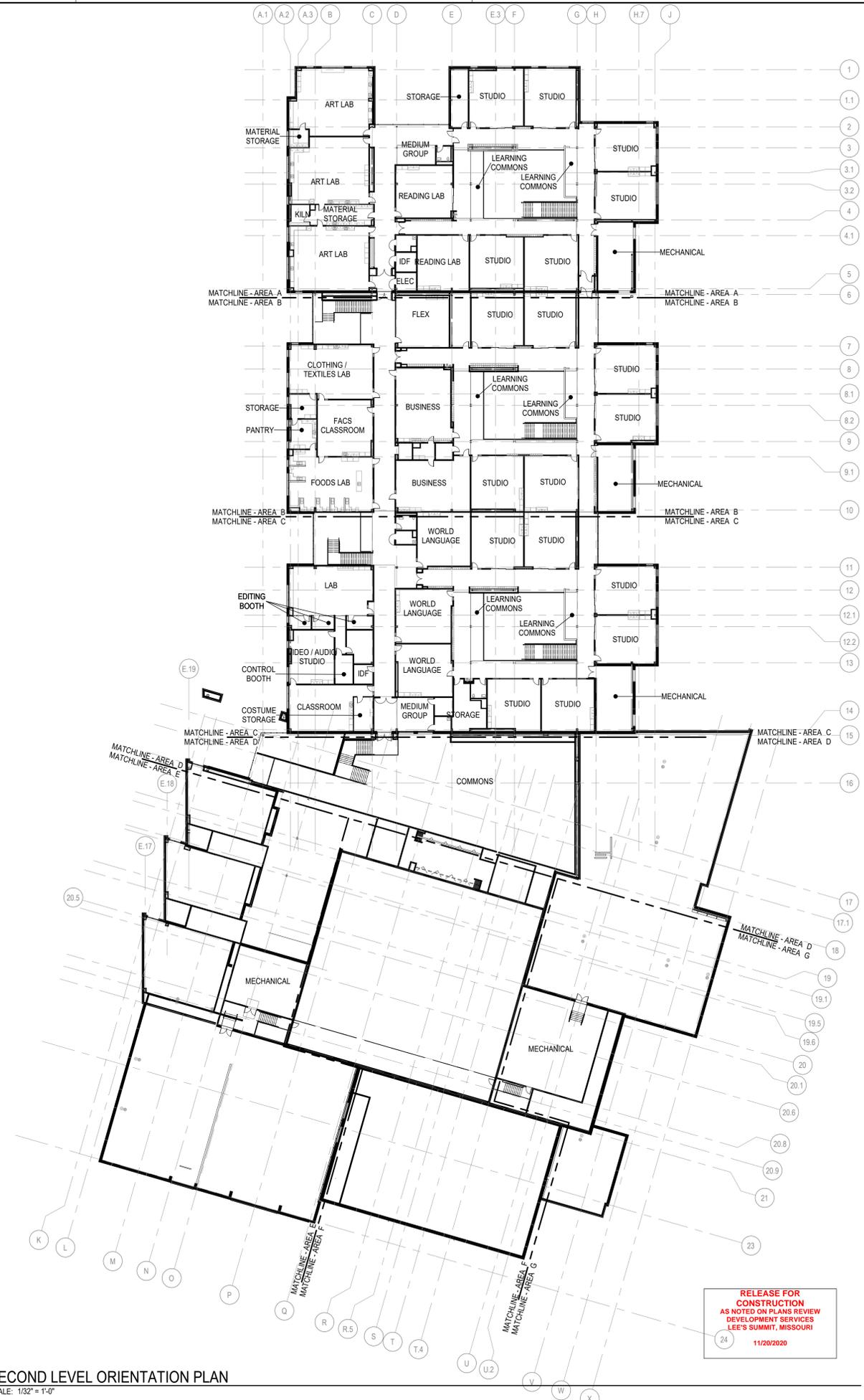
BUILDING AREA = 740 GSF

1 FIRST LEVEL ORIENTATION PLAN  
A1.01A SCALE: 1/32" = 1'-0"

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LEE'S SUMMIT, MISSOURI  
11/20/2020

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BIM:360/13/20102:00 Lee's Summit Middle School 4/13/20:102:00 Lee's Summit Middle School 4\_ARCH\_2020.rvt  
8/28/2020 5:27:33 PM



RELEASE FOR CONSTRUCTION  
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LEE'S SUMMIT, MISSOURI  
11/20/2020

1 SECOND LEVEL ORIENTATION PLAN  
A1.02A SCALE: 1/32" = 1'-0"

NOT FOR CONSTRUCTION

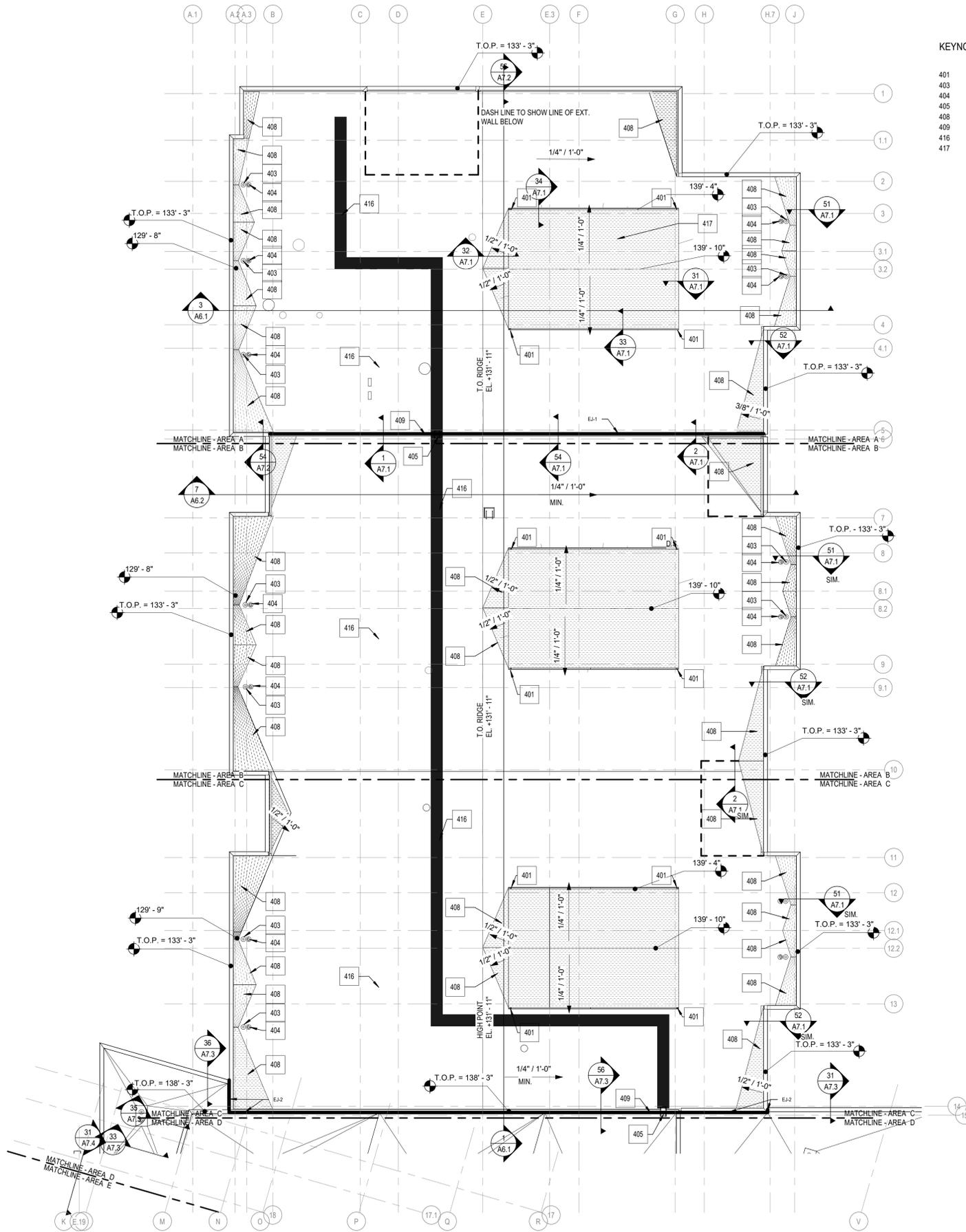
LEE'S SUMMIT MIDDLE SCHOOL #4  
LEE'S SUMMIT R-7 SCHOOL DISTRICT  
1001 SE BAILEY ROAD  
LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN  
8/28/20  
REVISIONS

13-20102-00  
LEVEL 02 FLOOR PLAN

A1.02A

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8/28/2020 5:27:42 PM



KEYNOTE LEGEND

401	GUTTER WITH DOWNSPOUT AND SPLASH BLOCK.
403	ROOF DRAIN.
404	OVERFLOW DRAIN.
405	ROOF LADDER.
408	ROOF CRICKET, SLOPE TOWARDS SCUPPER.
409	ROOF EXPANSION JOINT.
416	RF-1 ROOF ASSEMBLY, SEE ROOF TYPES A0.2
417	RF-2 ROOF ASSEMBLY, SEE ROOF TYPES A0.2

1 ROOF PLAN  
A1.03A SCALE: 1" = 20'-0"

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI  
11/20/2020



NOT FOR CONSTRUCTION

LEE'S SUMMIT MIDDLE SCHOOL #4  
LEE'S SUMMIT R-7 SCHOOL DISTRICT  
1001 SE BAILEY ROAD  
LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN  
8/28/20  
REVISIONS

13-20102-00  
ROOF PLAN AREA  
A,B,C

A1.03A



# MATERIAL COLOR LEGEND

## FACE BRICK:

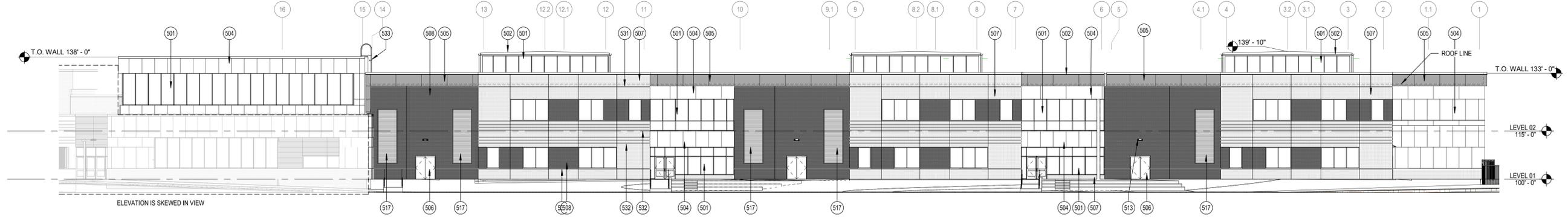
- FB-1A: MFR: INTERSTATE  
SIZE: MODULAR  
COLOR: ASH  
(THIN BRICK TB-1 TO MATCH)
- FB-1B: MFR: INTERSTATE  
SIZE: MODULAR  
COLOR: PEWTER
- FB-2: MFR: ENDICOTT  
SIZE: MODULAR  
COLOR: MANGANESE IRONSPOT
- FB-3: MFR: ENDICOTT  
SIZE: MODULAR  
COLOR: LIGHT GRAY BLEND VELOUR

## CEMENTITIOUS WALL PANEL:

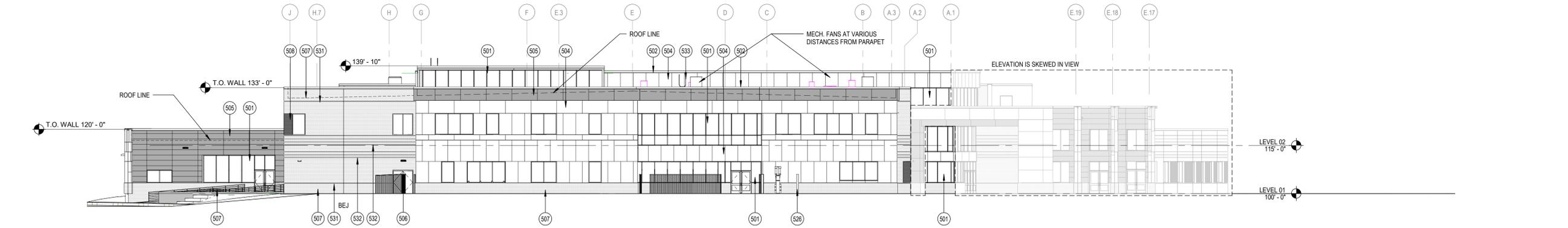
- CP-1: MFR: AMERICAN FIBER CEMENT  
TYPE: SOLID  
COLOR: S-212 LUNA
- CP-2: MFR: AMERICAN FIBER CEMENT  
TYPE: SOLID  
COLOR: S-101 PLUTO
- MASONRY:  
SB-1 (STRUCTURAL BRICK):  
MFR: INTERSTATE  
SIZE: 4"x16"  
COLOR: PEWTER
- EM-1 (GROUND FACE BLOCK):  
MFR: MIDWEST BLOCK & BRICK  
SIZE LINE: 8"x16" TRENDSSTONE  
COLOR: GRAY STONE

## KEYNOTE LEGEND

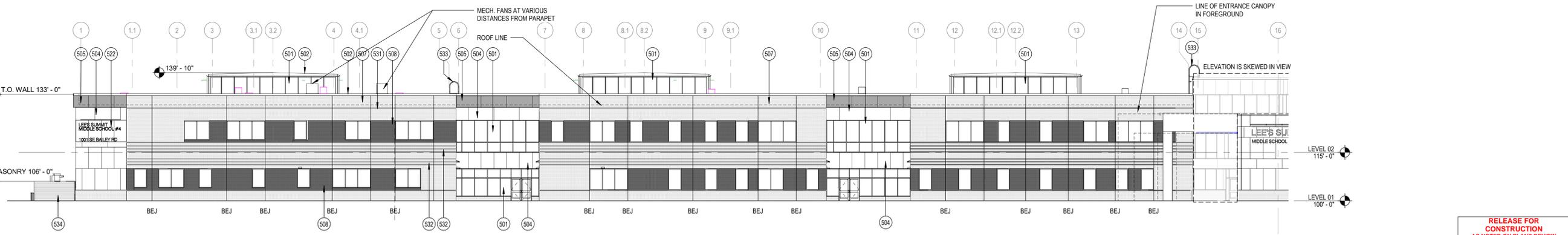
- 501 ALUMINUM STOREFRONT SYSTEM WITH INSULATED GLAZING. REF. SPECS
- 502 PREFINISHED METAL COPING.
- 504 CEMENTITIOUS WALL PANEL (CP-1)
- 505 CEMENTITIOUS WALL PANEL (CP-2)
- 506 HOLLOW METAL DOOR AND FRAME.
- 507 FACE BRICK (FB-1A)
- 508 FACE BRICK (FB-2)
- 517 BUILDING MOUNTED LIGHT FIXTURE, RE: ELEC.
- 517 ALUMINUM WALL LOUVER, RE: MECH.
- 522 ALUMINUM DIMENSIONAL LETTER SIGNAGE
- 526 BRICK SCREEN WALL AT DUST COLLECTORS
- 531 FACE BRICK (FB-3)
- 532 FACE BRICK (FB-1B)
- 533 ROOF ACCESS LADDER
- 534 STRUCTURAL BRICK SB-1 TO MATCH FB-1A COLOR



11 EAST ELEVATION - AREAS A, B, C  
A5.01A SCALE: 1/16" = 1'-0"



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

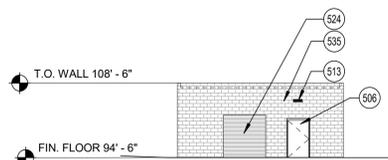


51 WEST ELEVATION - AREAS A,B,C  
A5.01A SCALE: 1/16" = 1'-0"

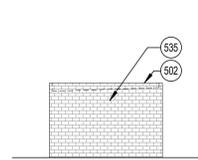
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CONSTRUCTION  
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LEE'S SUMMIT, MISSOURI  
11/20/2020

NOT FOR CONSTRUCTION

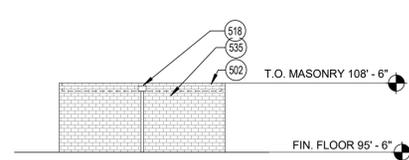
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8/28/2020 3:12:47 PM



11 SOUTHWEST ELEVATION - AREA T - FDP  
A5.01B SCALE: 1/16" = 1'-0"



12 NW & SE ELEVATION - AREA T - FDP  
A5.01B SCALE: 1/16" = 1'-0"



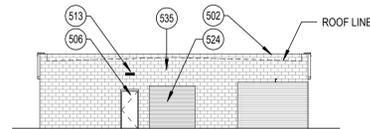
13 NORTHEAST - AREA T - FDP  
A5.01B SCALE: 1/16" = 1'-0"

### MATERIAL COLOR LEGEND

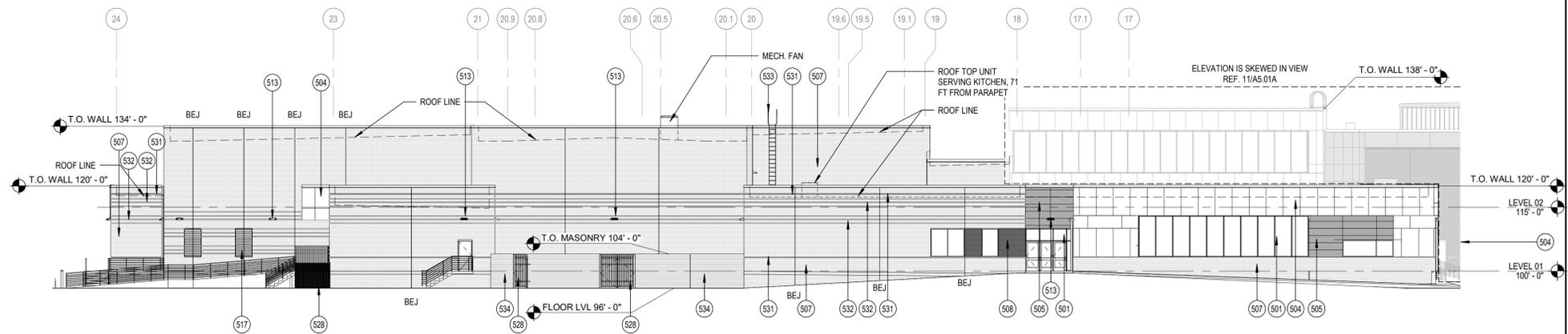
FACE BRICK	CEMENTITIOUS WALL PANEL
FB-1A: MFR. INTERSTATE SIZE: MODULAR COLOR: ASH (THIN BRICK TB-1 TO MATCH)	CP-1: MFR. AMERICAN FIBER CEMENT TYPE: SOLID COLOR: S-212 LUNA
FB-1B: MFR. INTERSTATE SIZE: MODULAR COLOR: PEWTER	CP-2: MFR. AMERICAN FIBER CEMENT TYPE: SOLID COLOR: S-101 PLUTO
FB-2: MFR. ENDICOTT SIZE: MODULAR COLOR: MANGANESE IRONSPOT	MASONRY
FB-3: MFR. ENDICOTT SIZE: MODULAR COLOR: LIGHT GRAY BLEND VELOUR	SB-1 (STRUCTURAL BRICK): MFR. INTERSTATE SIZE: 4"X16" COLOR: PEWTER
	EM-1 (GROUND FACE BLOCK): MFR. MIDWEST BLOCK & BRICK SIZE/LINE: 8"X16" / TRENDSTONE COLOR: GRAY STONE

### KEYNOTE LEGEND

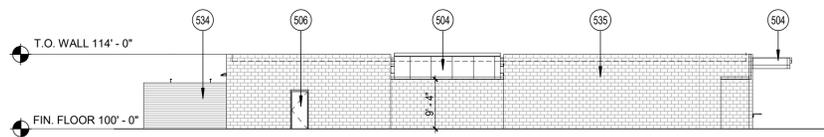
501	ALUMINUM STOREFRONT SYSTEM WITH INSULATED GLAZING. REF. SPECS
502	PREFINISHED METAL COPING
504	CEMENTITIOUS WALL PANEL (CP-1)
505	CEMENTITIOUS WALL PANEL (CP-2)
506	HOLLOW METAL DOOR AND FRAME
507	FACE BRICK (FB-1A)
508	FACE BRICK (FB-2)
509	THIN BRICK (TB-1)
513	BUILDING MOUNTED LIGHT FIXTURE, RE: ELEC.
517	ALUMINUM WALL LOUVER, RE: MECH.
518	CONDUCTOR HEAD WITH DOWNSPOUT W/ BOOT TO STORM OVERHEAD COILING DOOR
525	OVERHEAD COUNTER DOOR
528	GALVANIZED METAL GATES WITH CORRUGATED METAL INFILL AT MECH. EQUIPMENT
529	ELECTRIC WATER COOLER
531	FACE BRICK (FB-3)
532	FACE BRICK (FB-1B)
533	ROOF ACCESS LADDER
534	STRUCTURAL BRICK SB-1 TO MATCH FB-1A COLOR
535	CMU, GROUND FACE EM-1



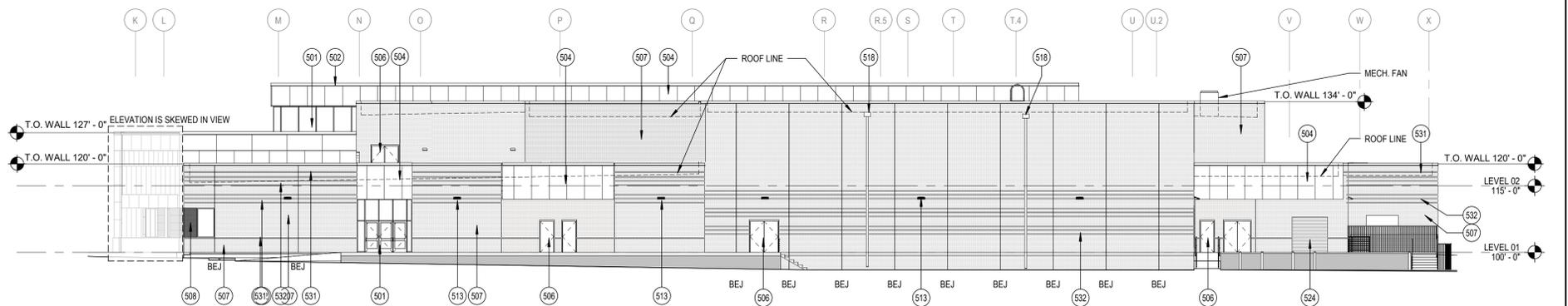
21 WEST ELEVATION - AREA S - FDP  
A5.01B SCALE: 1/16" = 1'-0"



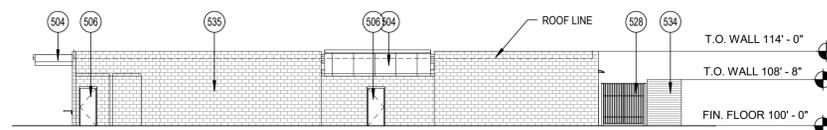
23 EAST ELEVATION B - FDP  
A5.01B SCALE: 1/16" = 1'-0"



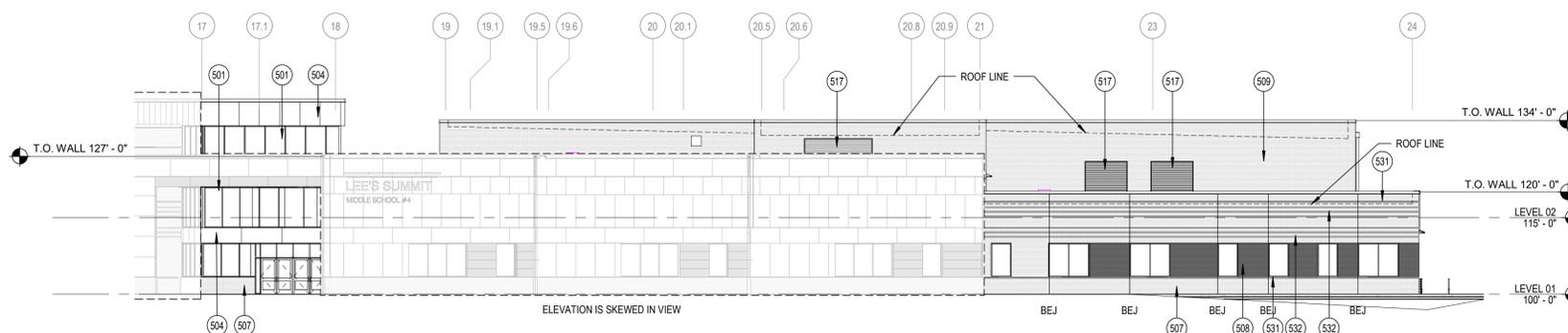
31 SOUTH ELEVATION - AREA S - FDP  
A5.01B SCALE: 1/16" = 1'-0"



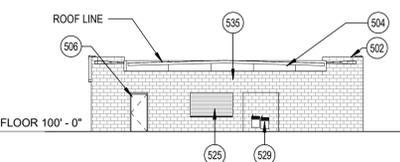
33 SOUTH ELEVATION - FDP  
A5.01B SCALE: 1/16" = 1'-0"



41 NORTH ELEVATION - AREA S - FDP  
A5.01B SCALE: 1/16" = 1'-0"



53 WEST ELEVATION AREA D,E,F  
A5.01B SCALE: 1/16" = 1'-0"

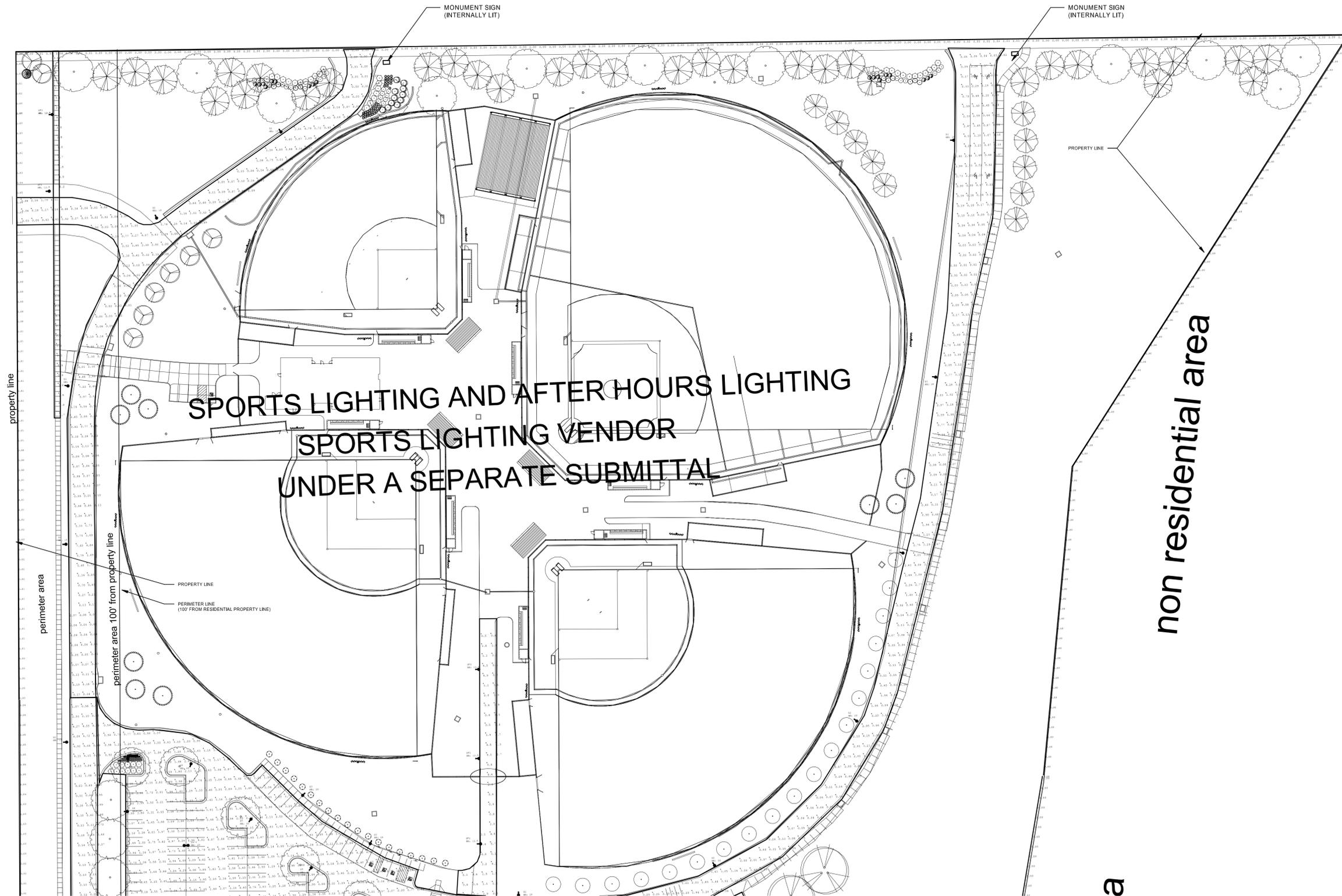


51 EAST ELEVATION - AREA S - FDP  
A5.01B SCALE: 1/16" = 1'-0"

RELEASE FOR CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
11/20/2020

**SITE PHOTOMETRIC GENERAL NOTES:**

1. REFER TO E.011 FOR SITE PHOTOMETRIC GENERAL NOTES.
2. REFER TO E.011 FOR PHOTOMETRIC CALCULATIONS SUMMARIES



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

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
11/20/2020



Aug 28 2020  
CURTIS A. OLDS  
LICENSE # PE-2018036640

**HENDERSON**  
ENGINEERS  
8340 LEEWAY DRIVE, SUITE 300  
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TEL 913.742.5000 FAX 913.742.5001  
WWW.HENDERSONENGINEERS.COM  
MO. CORPORATE NO. E-4568D  
1500005054  
EXPIRES 12/31/2020

**LEE'S SUMMIT MIDDLE SCHOOL #4**  
LEE'S SUMMIT R-7 SCHOOL DISTRICT  
1001 SE BAILEY ROAD  
LEE'S SUMMIT, MO 64081

FINAL  
DEVELOPMENT  
PLAN  
08/28/20  
REVISIONS

13-20102-00

SITE LIGHTING  
PHOTOMETRIC  
PLAN

E.010

**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. MAX/MIN 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, 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)



Aug 28 2020  
 CURTIS A. OLDS  
 LICENSE # PE-2018036640

**HENDERSON**  
 ENGINEERS  
 8346 LENOVA, SUITE 800  
 LENOVA, MISSOURI 64084  
 TEL 913.742.5000 FAX 913.742.5001  
 WWW.HENDERSONENGINEERS.COM  
 MISSOURI LICENSE NO. E-4580  
 EXPIRES 12/31/2020

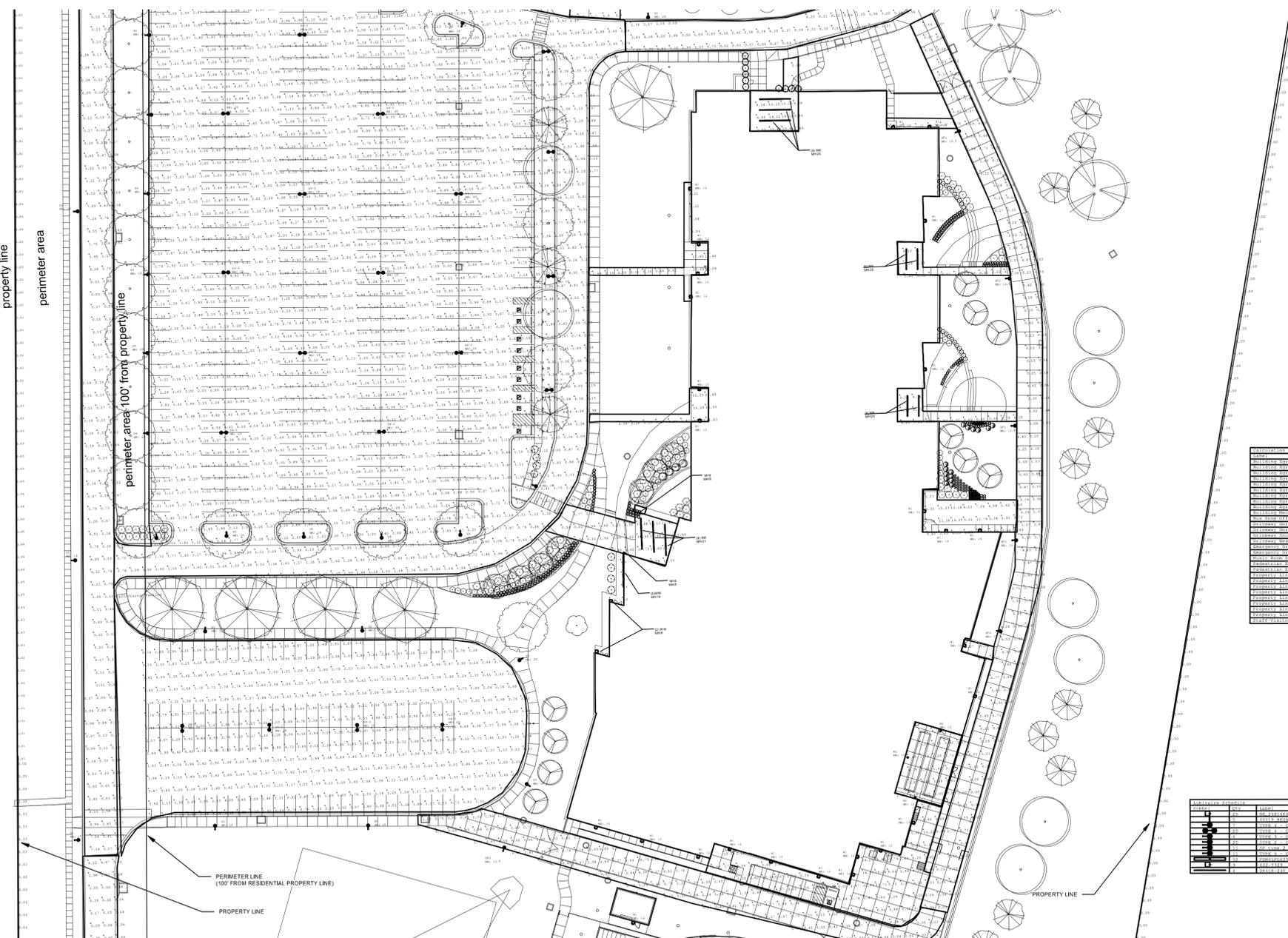
**LEE'S SUMMIT MIDDLE SCHOOL #4**  
 LEE'S SUMMIT R-7 SCHOOL DISTRICT  
 1001 SE BAILEY ROAD  
 LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN  
 08/28/20  
 REVISIONS

13-20102-00

SITE LIGHTING PHOTOMETRIC PLAN

E.011



non residential area

Fixture ID	Fixture Name	Mounting Height (ft)	Beam Spread (ft)	Output (lm)	Notes
101	10' Pole Mounted Luminaire	10	10	1000	
102	10' Pole Mounted Luminaire	10	10	1000	
103	10' Pole Mounted Luminaire	10	10	1000	
104	10' Pole Mounted Luminaire	10	10	1000	
105	10' Pole Mounted Luminaire	10	10	1000	
106	10' Pole Mounted Luminaire	10	10	1000	
107	10' Pole Mounted Luminaire	10	10	1000	
108	10' Pole Mounted Luminaire	10	10	1000	
109	10' Pole Mounted Luminaire	10	10	1000	
110	10' Pole Mounted Luminaire	10	10	1000	
111	10' Pole Mounted Luminaire	10	10	1000	
112	10' Pole Mounted Luminaire	10	10	1000	
113	10' Pole Mounted Luminaire	10	10	1000	
114	10' Pole Mounted Luminaire	10	10	1000	
115	10' Pole Mounted Luminaire	10	10	1000	
116	10' Pole Mounted Luminaire	10	10	1000	
117	10' Pole Mounted Luminaire	10	10	1000	
118	10' Pole Mounted Luminaire	10	10	1000	
119	10' Pole Mounted Luminaire	10	10	1000	
120	10' Pole Mounted Luminaire	10	10	1000	

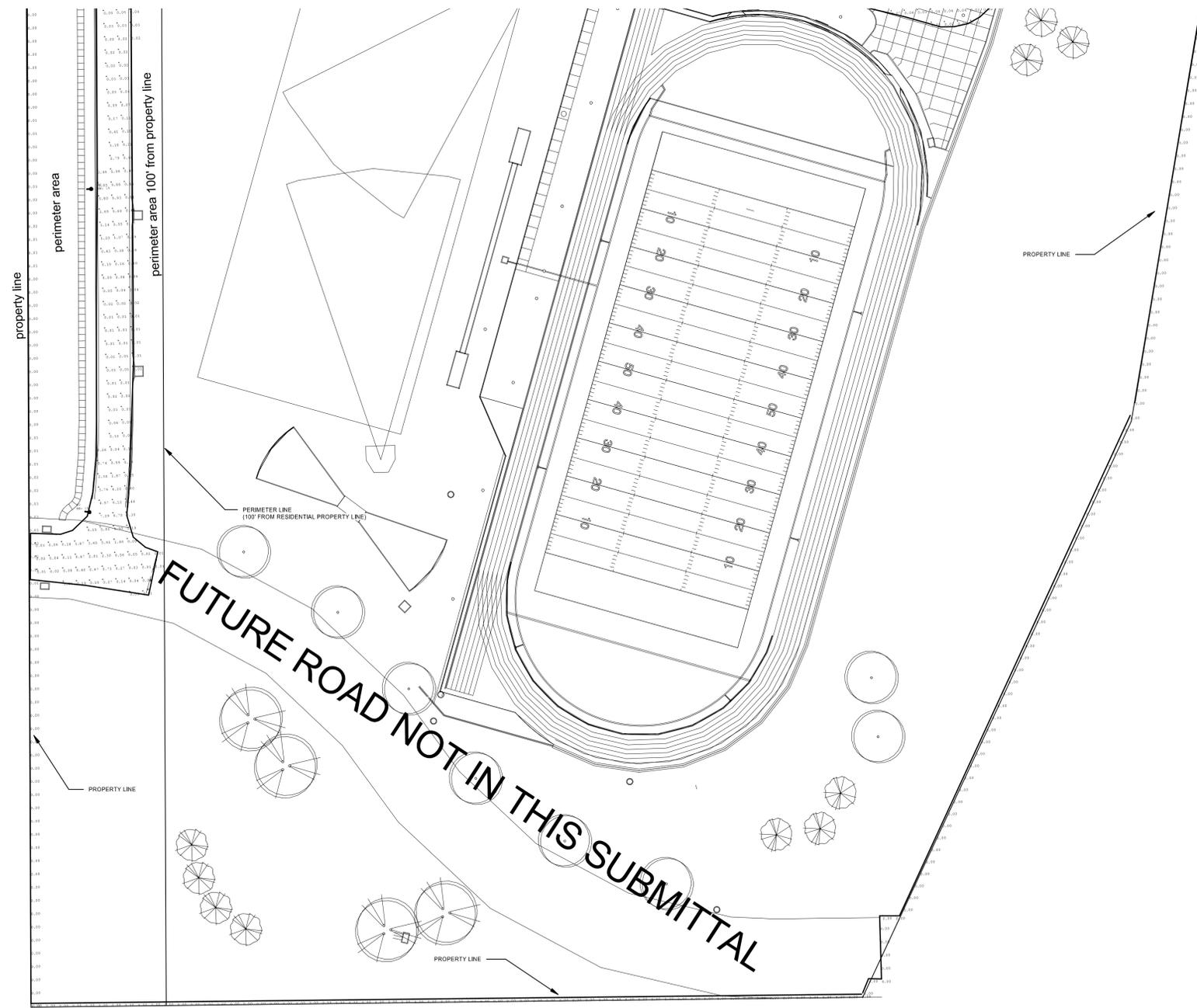
Fixture ID	Fixture Name	Mounting Height (ft)	Beam Spread (ft)	Output (lm)	Notes
121	10' Pole Mounted Luminaire	10	10	1000	
122	10' Pole Mounted Luminaire	10	10	1000	
123	10' Pole Mounted Luminaire	10	10	1000	
124	10' Pole Mounted Luminaire	10	10	1000	
125	10' Pole Mounted Luminaire	10	10	1000	
126	10' Pole Mounted Luminaire	10	10	1000	
127	10' Pole Mounted Luminaire	10	10	1000	
128	10' Pole Mounted Luminaire	10	10	1000	
129	10' Pole Mounted Luminaire	10	10	1000	
130	10' Pole Mounted Luminaire	10	10	1000	

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

RELEASE FOR CONSTRUCTION  
 AS NOTED ON PLANS REVIEW  
 DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
 11/20/2020

**SITE PHOTOMETRIC GENERAL NOTES:**

1. REFER TO E.011 FOR SITE PHOTOMETRIC GENERAL NOTES.
2. REFER TO E.011 FOR PHOTOMETRIC CALCULATIONS SUMMARIES



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

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
11/20/2020



Aug 28 2020  
CURTIS A. OLDS  
LICENSE # PE-2018036640

**HENDERSON**  
ENGINEERS  
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LEE'S SUMMIT, MISSOURI 64081  
TEL 913.742.5000 FAX 913.742.5001  
WWW.HENDERSONENGINEERS.COM  
MO. CORPORATE NO. E-4568  
EXPIRES 12/31/2020

**LEE'S SUMMIT MIDDLE SCHOOL #4**  
LEE'S SUMMIT R-7 SCHOOL DISTRICT  
1001 SE BAILEY ROAD  
LEE'S SUMMIT, MO 64081

FINAL  
DEVELOPMENT  
PLAN  
08/28/20  
REVISIONS

13-20102-00

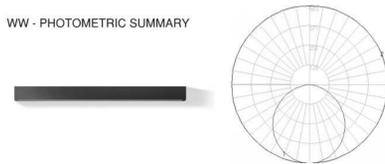
SITE LIGHTING  
PHOTOMETRIC  
PLAN

E.012

# BEGA

## WW - PHOTOMETRIC SUMMARY

Photometric Filename: 44419.IES  
 TEST: BE\_44419  
 TEST LAB: BEGA  
 DATE: 3/20/17  
 LUMINAIRE: 44 419  
 LAMP: 30.4W LED

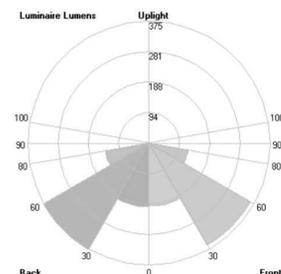
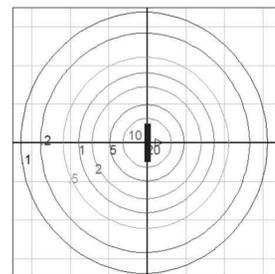


**Characteristics**  
 IES Classification: Type VS  
 Longitudinal Classification: Very Short  
 Lumens Per Lamp: N.A. (absolute)  
 Total Lamp Lumens: N.A. (absolute)  
 Luminaire Lumens: 1399  
 Downward Total Efficiency: N.A.  
 Total Luminaire Efficiency: N.A.  
 Luminaire Efficacy Rating (LER): 39  
 Total Luminaire Watts: 36  
 Ballast Factor: 1.00  
 Upward Waste Light Ratio: N.A.  
 Max. Cd (180° Vert.): 502.5 (180°/UV)  
 Max. Cd (<90 Vert.): 502.5 (180°/UV)  
 Max. Cd (At 90 Deg. Vert.): 4 (0.07%lum)  
 Max. Cd (80 to <90 Deg. Vert.): 52.7 (3.0%lum)  
 Cutoff Classification (deprecated): N.A. (absolute)

**Lum. Classification System (LCS)**

LCS Zone	Lumens	%Lamp	%lum
FL (0-30)	193.6	N.A.	13.9
FM (30-60)	360.5	N.A.	25.8
FH (60-90)	122.0	N.A.	8.7
FVH (90-90)	6.0	N.A.	0.4
BL (0-30)	195.7	N.A.	14.0
BM (30-60)	375.2	N.A.	26.8
BH (60-90)	136.7	N.A.	9.8
BVH (90-90)	8.9	N.A.	0.6
UL (90-100)	0.0	N.A.	0.0
UL (100-180)	0.0	N.A.	0.0
Total	1398.6	N.A.	100.0

**BUG Rating** B1-U0-G0



In the interest of product improvement, BEGA reserves the right to make technical changes without notice.  
 BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)666-9474 www.bega-us.com © Copyright BEGA-US 2018 8/21/2018

## LED wall luminaire - light output on one side

**Application**  
 The LED wall mounted luminaire has light output on one side. Arranged individually or in groups, this is a great design element for a host of lighting applications. For downlight applications only.

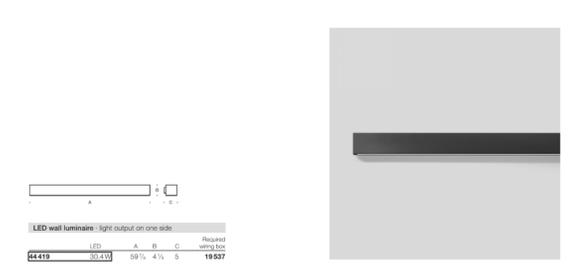
**Materials**  
 Luminaire housing constructed of die-cast and extruded marine grade, copper free (0.3% copper content) A360.0 aluminum alloy.  
 Matte safety glass.  
 High temperature silicone gasket.  
 Mechanically captive stainless steel fasteners.

**NRTL** listed to North American Standards, suitable for wet locations.  
 Protection class IP65.  
 Weight: 26.2 lbs.

**Electrical**  
 Operating voltage: 120-277VAC  
 Minimum start temperature: -30°C  
 LED module wattage: 30.4W  
 System wattage: 30W  
 Controllability: 0-10V dimmable  
 Color rendering index: Ra > 90  
 Luminaire lumens (3000K): 1399 lumens (3000K)  
 Lifetime at Ta = 15°C: >500,000 h (L70)  
 Lifetime at Ta = 45°C: 229,000 h (L70)

**LED color temperature**  
 3000K - Product number = **K3**  
 3500K - Product number = **K35**  
 4000K - Product number = **K4**  
 2700K - Product number = **K27**

**Finish**  
 All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.  
 Available colors:  Black (BLK)  White (WH)  RAL  Bronze (BRZ)  Silver (SLV)  CUS

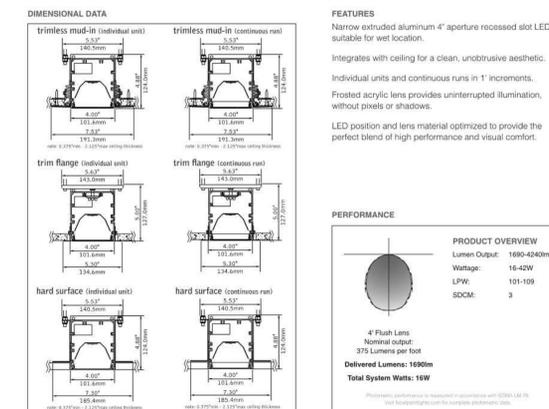
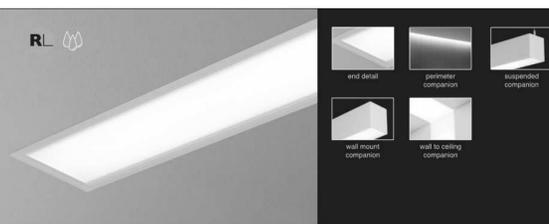


LED wall luminaire - light output on one side  
 LED A B C  
 44419 30.4W 59% 4% 5 19507

4 WW - Linear Wall Wash NTS

# Seem® 4

## LED - WET LOCATION



In the interest of product improvement, BEGA reserves the right to make technical changes without notice.  
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## LED wall luminaire - surface washer

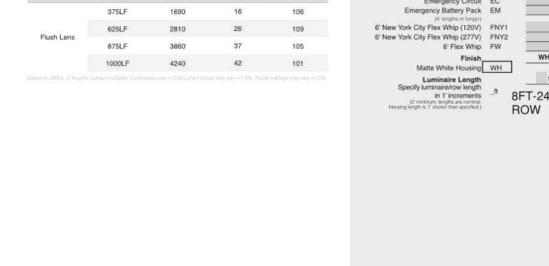
**ORDERING**  
 Luminaire Series: Seem 4 LED Wet Location  
 Shielding: Flush Lens Lens  
 Lumen Output: 275 Lumens per foot - 275LF  
 375 Lumens per foot - 375LF  
 625 Lumens per foot - 625LF  
 875 Lumens per foot - 875LF  
 1000 Lumens per foot - 1000LF

**Color Temperature**  
 3000K - 30K  
 3500K - 35K  
 4000K - 40K

**Control System & Dimming Level**  
 0-10V - 1% Dimming L11  
 0-10V - 10% Dimming L11  
 Lutron H-Series - 1% Dimming LH1  
 Lutron S-Series LUS  
 5% Ecosystem Digital LUS  
 Ceiling Configuration  
 Trim Flange Drywall TF  
 Trim Flange Wood TFW  
 Flush to Ceiling XF1  
 Flush to Ceiling XF2  
 Flush to Ceiling XF3  
 Flush to Ceiling XF4  
 Flush to Ceiling XF5  
 Flush to Ceiling XF6  
 Flush to Ceiling XF7  
 Flush to Ceiling XF8  
 Flush to Ceiling XF9  
 Flush to Ceiling XF10

**LED color temperature**  
 3000K - Product number = **K3**  
 3500K - Product number = **K35**  
 4000K - Product number = **K4**  
 2700K - Product number = **K27**

**Finish**  
 All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.  
 Available colors:  Black (BLK)  White (WH)  RAL  Bronze (BRZ)  Silver (SLV)  CUS



LED wall luminaire - surface washer  
 LED A B C  
 24816 30.3W 8% 4 19154

3 W8 - Linear Recessed NTS

# BEGA

## W1 - PHOTOMETRIC SUMMARY



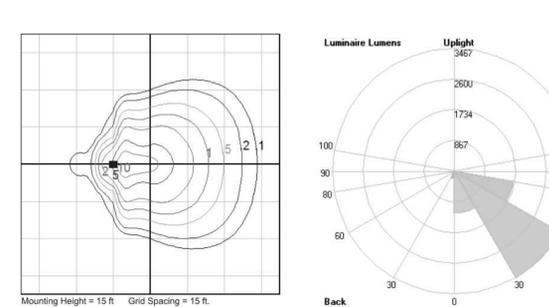
Photometric Filename: 24816.ies  
 TEST: BE\_24816  
 TEST LAB: BEGA  
 DATE: 11/30/2016  
 LUMINAIRE: 24 816  
 LAMP: 55.3W LED

**Characteristics**  
 IES Classification: Type III  
 Longitudinal Classification: Very Short  
 Lumens Per Lamp: N.A. (absolute)  
 Total Lamp Lumens: 8672  
 Luminaire Lumens: 8672  
 Downward Total Efficiency: N.A.  
 Total Luminaire Efficiency: N.A.  
 Luminaire Efficacy Rating (LER): 61  
 Total Luminaire Watts: 109  
 Ballast Factor: 1.00  
 Upward Waste Light Ratio: N.A.  
 Max. Cd (<90 Vert.): 8801 (OH, 52.5V)  
 Max. Cd (At 90 Deg. Vert.): 8801 (OH, 52.5V)  
 Max. Cd (80 to <90 Deg. Vert.): 2.4 (0.0%lum)  
 Max. Cd (80 to <90 Deg. Vert.): 551.2 (8.3%lum)  
 Cutoff Classification (deprecated): N.A. (absolute)

**Lum. Classification System (LCS)**

LCS Zone	Lumens	%Lamp	%lum
FL (0-30)	1151.8	N.A.	17.7
FM (30-60)	3467.0	N.A.	52.0
FH (60-90)	1690.9	N.A.	25.3
FVH (90-90)	39.4	N.A.	0.6
BL (0-30)	203.0	N.A.	3.0
BM (30-60)	72.8	N.A.	1.1
BH (60-90)	14.8	N.A.	0.2
BVH (90-90)	2.4	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UL (100-180)	0.0	N.A.	0.0
Total	6672.0	N.A.	100.0

**BUG Rating** B1-U0-G1



In the interest of product improvement, BEGA reserves the right to make technical changes without notice.  
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## LED wall luminaire - surface washer

**Application**  
 LED wall luminaire with asymmetrical light distribution designed for illuminating horizontal surfaces from vertical mounting surfaces.

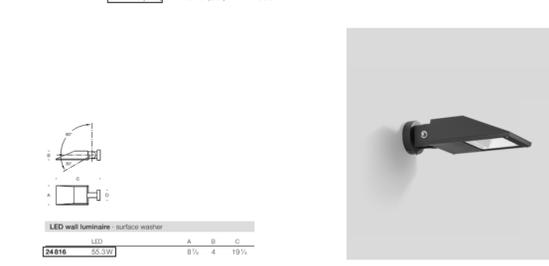
**Materials**  
 Luminaire housing and faceplate constructed of die-cast marine grade, copper free (0.3% copper content) A360.0 aluminum alloy.  
 Clear safety glass.  
 Reflector made of pure anodized aluminum.  
 Silicone applied robotically to casting, plasma treated for increased adhesion.  
 High temperature silicone gasket.  
 Mechanically captive stainless steel fasteners.

**NRTL** listed to North American Standards, suitable for wet locations.  
 Protection class IP65.  
 Weight: 11.5 lbs.

**Electrical**  
 Operating voltage: 120-277VAC  
 Minimum start temperature: -30°C  
 LED module wattage: 55.3W  
 System wattage: 61.0W  
 Controllability: 0-10V dimmable  
 Color rendering index: Ra > 90  
 Luminaire lumens (4000K): 8672 lumens (4000K)  
 Lifetime at Ta = 15°C: 229,000 h (L70)  
 Lifetime at Ta = 35°C: 73,000 h (L70)

**LED color temperature**  
 3000K - Product number = **K3**  
 3500K - Product number = **K35**  
 4000K - Product number = **K4**  
 2700K - Product number = **K27**

**Finish**  
 All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.  
 Available colors:  Black (BLK)  White (WH)  RAL  Bronze (BRZ)  Silver (SLV)  CUS

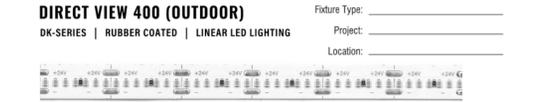


LED wall luminaire - surface washer  
 LED A B C  
 24816 55.3W 8% 4 19154

2 W1 - Wall Sconce NTS

# KELVIX

## DIRECT VIEW 400 (OUTDOOR)



MODEL: DK27K-WR-24V DK30K-WR-24V DK35K-WR-24V DK40K-WR-24V DK50K-WR-24V  
 Kelvin: 2700K 3000K 3500K 4000K 5000K  
 Lumens: 357 lm/ft 390 lm/ft 410 lm/ft 440 lm/ft 473 lm/ft  
 Rating: IP67 IP67 IP67 IP67 IP67

**PRODUCT FEATURES**  
 Suitable for most direct view applications  
 90+ CRI  
 Dimmable  
 50,000 hour life  
 5-year warranty  
 UL-listed for indoor and outdoor use  
 3M™ Industrial adhesive backing  
 For use with 24V power supplies

**SPECIFICATIONS**  
 Series: DK - Direct View 400 (Outdoor)  
 Input Voltage: 24V DC / Constant Voltage  
 Watts per Foot: 3.3W/ft @ Maximum Run Length  
 Beam Spread: 120°  
 Max Run Length: Unlimited, power every 18ft  
 Production Intervals: 1" (25mm)  
 End Cap Dimensions: 0.563" (14.2mm) x 0.375" (9.5mm)  
 Tape Dimensions: 0.5" (12.2mm) x 0.25" (6mm)  
 Diode: 2016  
 Dimming Options: PWM, Triac, 0-10V, DMX, Hi-lume  
 Temp Range: -40°F (-40°C) to 149°F (65°C)

**KELVIN COLOR TEMPERATURE SCALE**

**TOTAL WATTAGE USED AT EACH LENGTH**

1ft	2ft	3ft	4ft	5ft	6ft	7ft	8ft	9ft	10ft	11ft	12ft	13ft	14ft	15ft	16ft	17ft	18ft
4.3	8.5	12.7	16.8	21.2	25.3	29.1	32.6	36.5	40	43.2	46.1	48.9	51.5	53.4	55.8	58	59.4

Questions/Support | 800-789-3810 | quotes@kelvix.com 08/21/2018

## CH-048-R1-F

### EXTRUDED ALUMINUM MOUNTING CHANNEL

**PRODUCT FEATURES**  
 Available in 2 meter sections  
 Extruded aluminum construction  
 Anodized matte finish  
 Consult factory for custom lengths & finishes

**SPECIFICATIONS**

Model	CH-048-R1-F
Length	78.74" (2m)
Overall Width	2.835" (72mm)
Internal Width	2.5" (63.5mm)
Height	1.375" (35mm)

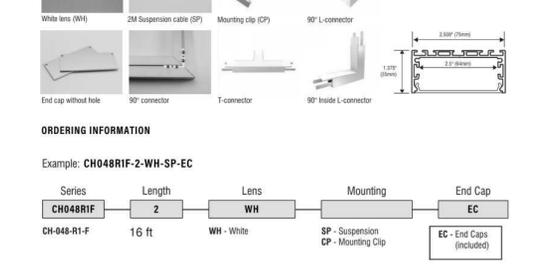
**ORDERING INFORMATION**

Example: CH048R1F-2-WH-SP-EC

Series: CH048R1F Length: 2 Mounting: WH - White End Cap: EC

CH-048-R1-F 16 ft WH - White SP - Suspension CP - Mounting Clip EC - End Caps (included)

Questions/Support | 800-789-3810 | quotes@kelvix.com 12/19/2018



LED wall luminaire - surface washer  
 LED A B C  
 24816 55.3W 8% 4 19154

1 W16 - Linear Accent Light NTS



Aug 28 2020  
 CURTIS A. OLDS  
 LICENSE # PE-2018036640

**HENDERSON**  
 ENGINEERS  
 8346 LENOX AVE STE 300  
 TEL 913.742.5000 FAX 913.742.5001  
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 MO. CORPORATE NO. E-4568D  
 EXPIRES 12/31/2020

LEE'S SUMMIT MIDDLE SCHOOL #4  
 LEE'S SUMMIT R-7 SCHOOL DISTRICT  
 1001 SE BAILEY ROAD  
 LEE'S SUMMIT, MO 64081

FINAL DEVELOPMENT PLAN  
 08/28/20  
 REVISIONS

13-20102-00

SITE LIGHTING FIXTURE CUTSHEETS

E.013

RELEASE FOR CONSTRUCTION  
 AS NOTED ON PLANS REVIEW  
 DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
 11/20/2020

