ADDENDUM NO. 01

March 09, 2026

Clark-Pleasant WCHS Phase 5
300 E Main St.
Whiteland, IN 46184

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated January29, 2026, by Lancer Associates of Architects. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 1-1 through ADD 1 - 2 and attached Lancer Associates of Architects, Addendum No. 01, March 06, 2026, consisting of 7 pages and 34 drawings.

A. SPECIFICATION SECTION 00 20 00 – INFORMATION AVAILABLE TO BIDDERS

Add the following paragraphs E & F

E. WCHS P1 Guideline Schedule dated February 19, 2026, is being issued as part of this addendum for refence by all contractors.

F. WCHS P5 Site Logistics dated March 9, 2026, is being issued as part of this addendum for reference by all contractors.

B. SPECIFICATION SECTION 01 12 00 – MULTIPLE CONTRACT SUMMARY

a. Paragraph 3.03, A Bid Category No. 1 – General Trades

Add the following Specification Sections:

03 30 01 Site Cast-In-Place Concrete
05 52 13 Pipe and Tube Railings – Stainless Steel
13 34 16 Permanent I-Beam Grandstands
13 34 17 Football Press box
32 33 00 Site Furnishings

b. Add the following clarifications:

12. The General Trades contractor shall be responsible for relocating the tennis barn during the construction phase and shall demolish and dispose of at the end of construction.

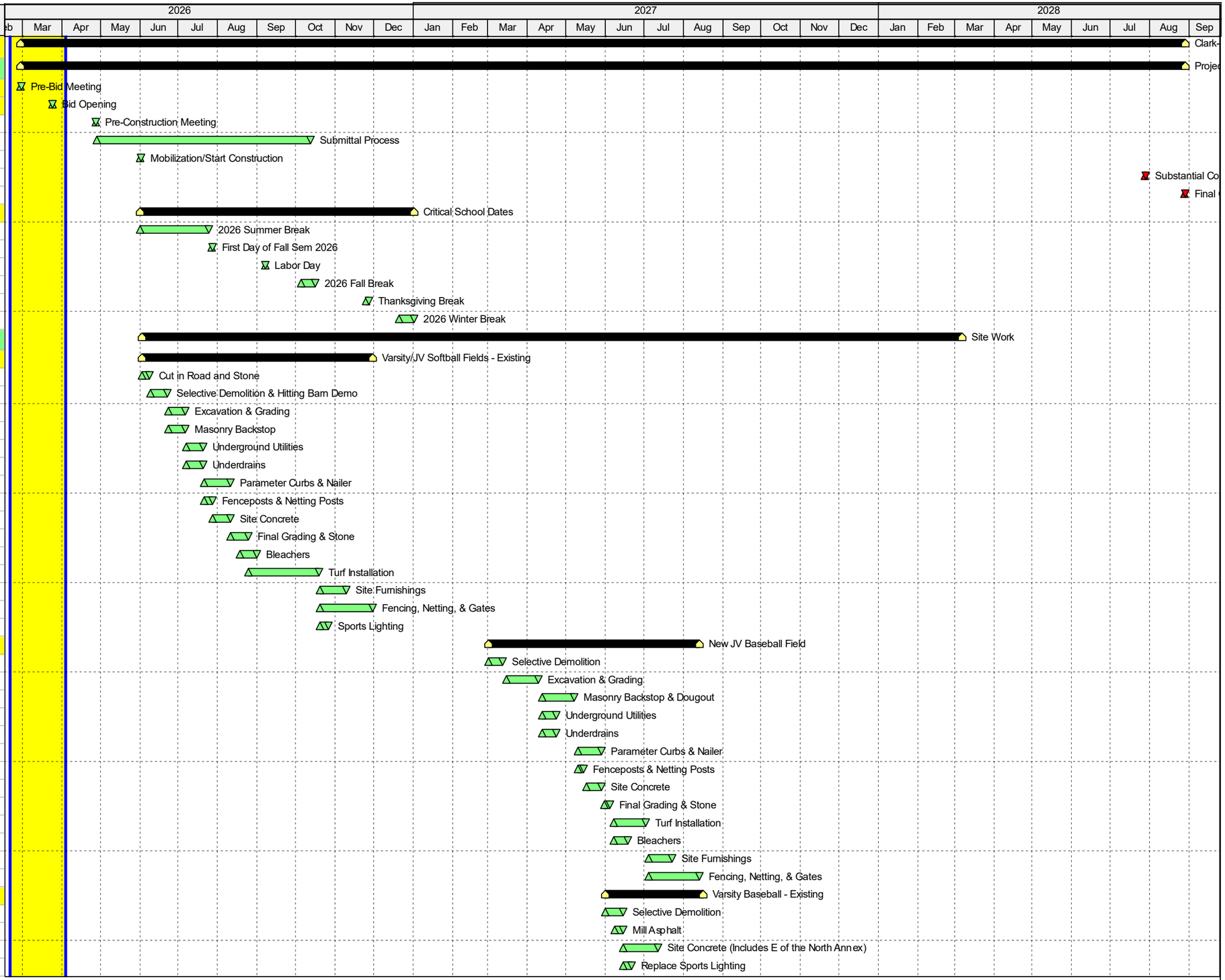
13. The General Trades contractor is responsible for implementing the site logistics plans, including removal/restoration at the end of the project.

C. SPECIFICATION SECTION 01 21 00 – ALLOWANCES

a. Revise Paragraph 3.01 – Product Allowance as follows:

A. Bid Category No. 1 General Trades – Signage $ 650,000

Activity Name	Original Duration	Start	Finish
Clark-Pleasant WCHS P5 Site Work	652	27-Feb-26	28-Aug-28
Project Administration	652	27-Feb-26	28-Aug-28
Pre-Bid Meeting	1	27-Feb-26*	27-Feb-26
Bid Opening	1	24-Mar-26*	24-Mar-26
Pre-Construction Meeting	1	27-Apr-26*	27-Apr-26
Submittal Process	120	28-Apr-26	12-Oct-26
Mobilization/Start Construction	1	01-Jun-26*	01-Jun-26
Substantial Completion	1	28-Jul-28*	28-Jul-28
Final Completion	1	28-Aug-28	28-Aug-28
Critical School Dates	155	01-Jun-26	01-Jan-27
2026 Summer Break	40	01-Jun-26*	24-Jul-26
First Day of Fall Sem 2026	1	27-Jul-26*	27-Jul-26
Labor Day	1	07-Sep-26*	07-Sep-26
2026 Fall Break	10	05-Oct-26*	16-Oct-26
Thanksgiving Break	3	25-Nov-26*	27-Nov-26
2026 Winter Break	10	21-Dec-26*	01-Jan-27
Site Work	460	02-Jun-26	06-Mar-28
Varsity/JV Softball Fields - Existing	130	02-Jun-26	30-Nov-26
Cut in Road and Stone	5	02-Jun-26	08-Jun-26
Selective Demolition & Hitting Barn Demo	10	09-Jun-26	22-Jun-26
Excavation & Grading	10	23-Jun-26	06-Jul-26
Masonry Backstop	10	23-Jun-26	06-Jul-26
Underground Utilities	10	07-Jul-26	20-Jul-26
Underdrains	10	07-Jul-26	20-Jul-26
Parameter Curbs & Nailer	15	21-Jul-26	10-Aug-26
Fenceposts & Netting Posts	5	21-Jul-26	27-Jul-26
Site Concrete	10	28-Jul-26	10-Aug-26
Final Grading & Stone	10	11-Aug-26	24-Aug-26
Bleachers	10	18-Aug-26	31-Aug-26
Turf Installation	40	25-Aug-26	19-Oct-26
Site Furnishings	15	20-Oct-26	09-Nov-26
Fencing, Netting, & Gates	30	20-Oct-26	30-Nov-26
Sports Lighting	5	20-Oct-26	26-Oct-26
New JV Baseball Field	120	01-Mar-27	13-Aug-27
Selective Demolition	10	01-Mar-27*	12-Mar-27
Excavation & Grading	20	15-Mar-27	09-Apr-27
Masonry Backstop & Dougout	20	12-Apr-27	07-May-27
Underground Utilities	10	12-Apr-27	23-Apr-27
Underdrains	10	12-Apr-27	23-Apr-27
Parameter Curbs & Nailer	15	10-May-27	28-May-27
Fenceposts & Netting Posts	5	10-May-27	14-May-27
Site Concrete	10	17-May-27	28-May-27
Final Grading & Stone	5	31-May-27	04-Jun-27
Turf Installation	20	07-Jun-27	02-Jul-27
Bleachers	10	07-Jun-27	18-Jun-27
Site Furnishings	15	05-Jul-27	23-Jul-27
Fencing, Netting, & Gates	30	05-Jul-27	13-Aug-27
Varsity Baseball - Existing	55	01-Jun-27	16-Aug-27
Selective Demolition	10	01-Jun-27*	14-Jun-27
Mill Asphalt	5	08-Jun-27	14-Jun-27
Site Concrete (Includes E of the North Annex)	20	15-Jun-27	12-Jul-27
Replace Sports Lighting	5	15-Jun-27	21-Jun-27

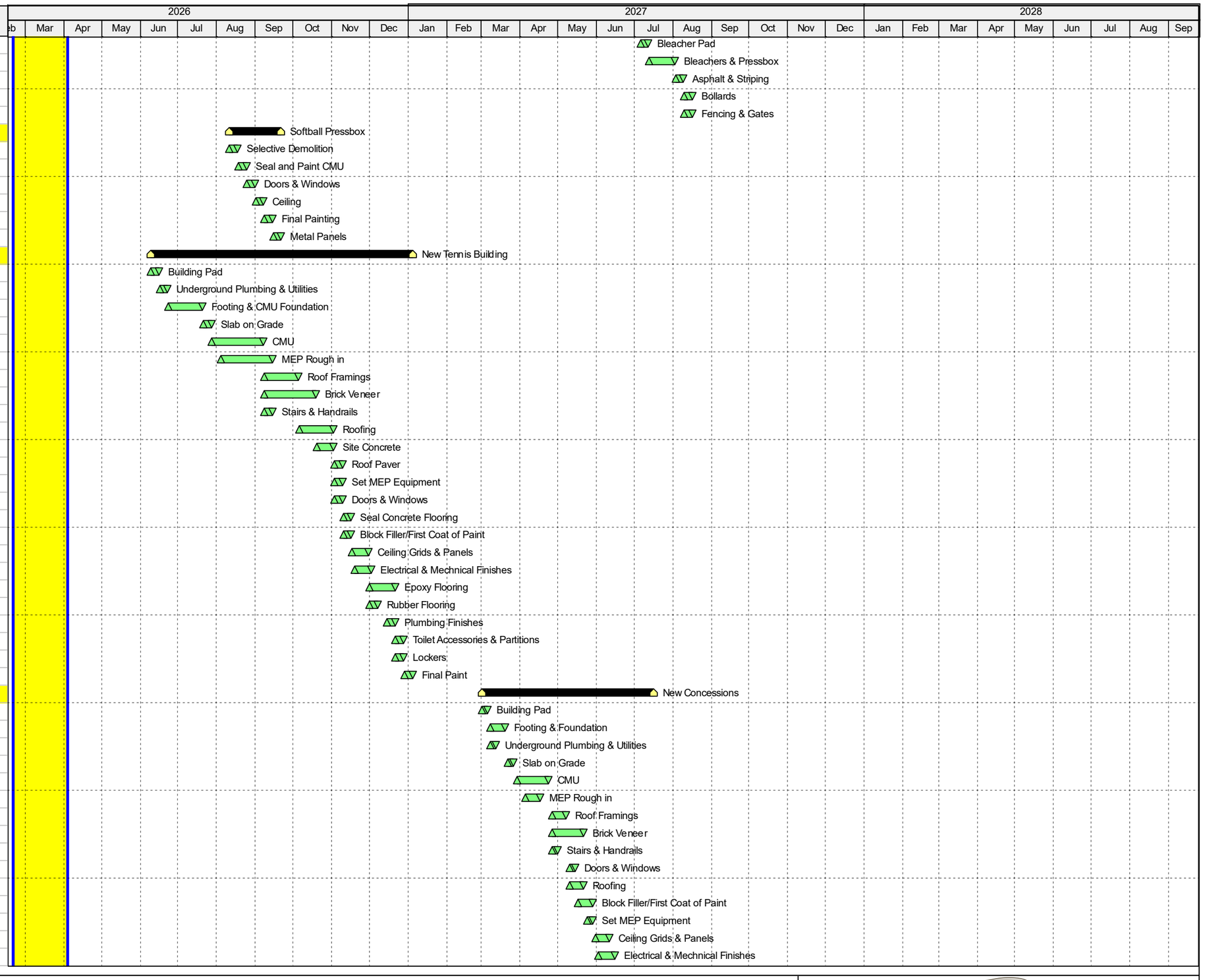


Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

221170.07 Clark-Pleasant WCHS P5 Site Work
Guideline Schedule 19-Feb-26
1 of 3

SKILLMAN

Activity Name	Original Duration	Start	Finish
Bleacher Pad	5	06-Jul-27	12-Jul-27
Bleachers & Pressbox	15	13-Jul-27	02-Aug-27
Asphalt & Striping	5	03-Aug-27	09-Aug-27
Bollards	5	10-Aug-27	16-Aug-27
Fencing & Gates	5	10-Aug-27	16-Aug-27
Softball Pressbox	30	11-Aug-26	21-Sep-26
Selective Demolition	5	11-Aug-26	17-Aug-26
Seal and Paint CMU	5	18-Aug-26	24-Aug-26
Doors & Windows	5	25-Aug-26	31-Aug-26
Ceiling	5	01-Sep-26	07-Sep-26
Final Painting	5	08-Sep-26	14-Sep-26
Metal Panels	5	15-Sep-26	21-Sep-26
New Tennis Building	150	09-Jun-26	04-Jan-27
Building Pad	5	09-Jun-26	15-Jun-26
Underground Plumbing & Utilities	5	16-Jun-26	22-Jun-26
Footing & CMU Foundation	20	23-Jun-26	20-Jul-26
Slab on Grade	5	21-Jul-26	27-Jul-26
CMU	30	28-Jul-26	07-Sep-26
MEP Rough in	30	04-Aug-26	14-Sep-26
Roof Framings	20	08-Sep-26	05-Oct-26
Brick Veneer	30	08-Sep-26	19-Oct-26
Stairs & Handrails	5	08-Sep-26	14-Sep-26
Roofing	20	06-Oct-26	02-Nov-26
Site Concrete	10	20-Oct-26	02-Nov-26
Roof Paver	5	03-Nov-26	09-Nov-26
Set MEP Equipment	5	03-Nov-26	09-Nov-26
Doors & Windows	5	03-Nov-26	09-Nov-26
Seal Concrete Flooring	5	10-Nov-26	16-Nov-26
Block Filler/First Coat of Paint	5	10-Nov-26	16-Nov-26
Ceiling Grids & Panels	10	17-Nov-26	30-Nov-26
Electrical & Mechnical Finishes	10	19-Nov-26	02-Dec-26
Epoxy Flooring	15	01-Dec-26	21-Dec-26
Rubber Flooring	5	01-Dec-26	07-Dec-26
Plumbing Finishes	5	15-Dec-26	21-Dec-26
Toilet Accessories & Partitions	5	22-Dec-26	28-Dec-26
Lockers	5	22-Dec-26	28-Dec-26
Final Paint	5	29-Dec-26	04-Jan-27
New Concessions	100	01-Mar-27	16-Jul-27
Building Pad	5	01-Mar-27*	05-Mar-27
Footing & Foundation	10	08-Mar-27	19-Mar-27
Underground Plumbing & Utilities	5	08-Mar-27	12-Mar-27
Slab on Grade	5	22-Mar-27	26-Mar-27
CMU	20	29-Mar-27	23-Apr-27
MEP Rough in	10	05-Apr-27	16-Apr-27
Roof Framings	10	26-Apr-27	07-May-27
Brick Veneer	20	26-Apr-27	21-May-27
Stairs & Handrails	5	26-Apr-27	30-Apr-27
Doors & Windows	5	10-May-27	14-May-27
Roofing	10	10-May-27	21-May-27
Block Filler/First Coat of Paint	10	17-May-27	28-May-27
Set MEP Equipment	5	24-May-27	28-May-27
Ceiling Grids & Panels	10	31-May-27	11-Jun-27
Electrical & Mechnical Finishes	10	02-Jun-27	15-Jun-27



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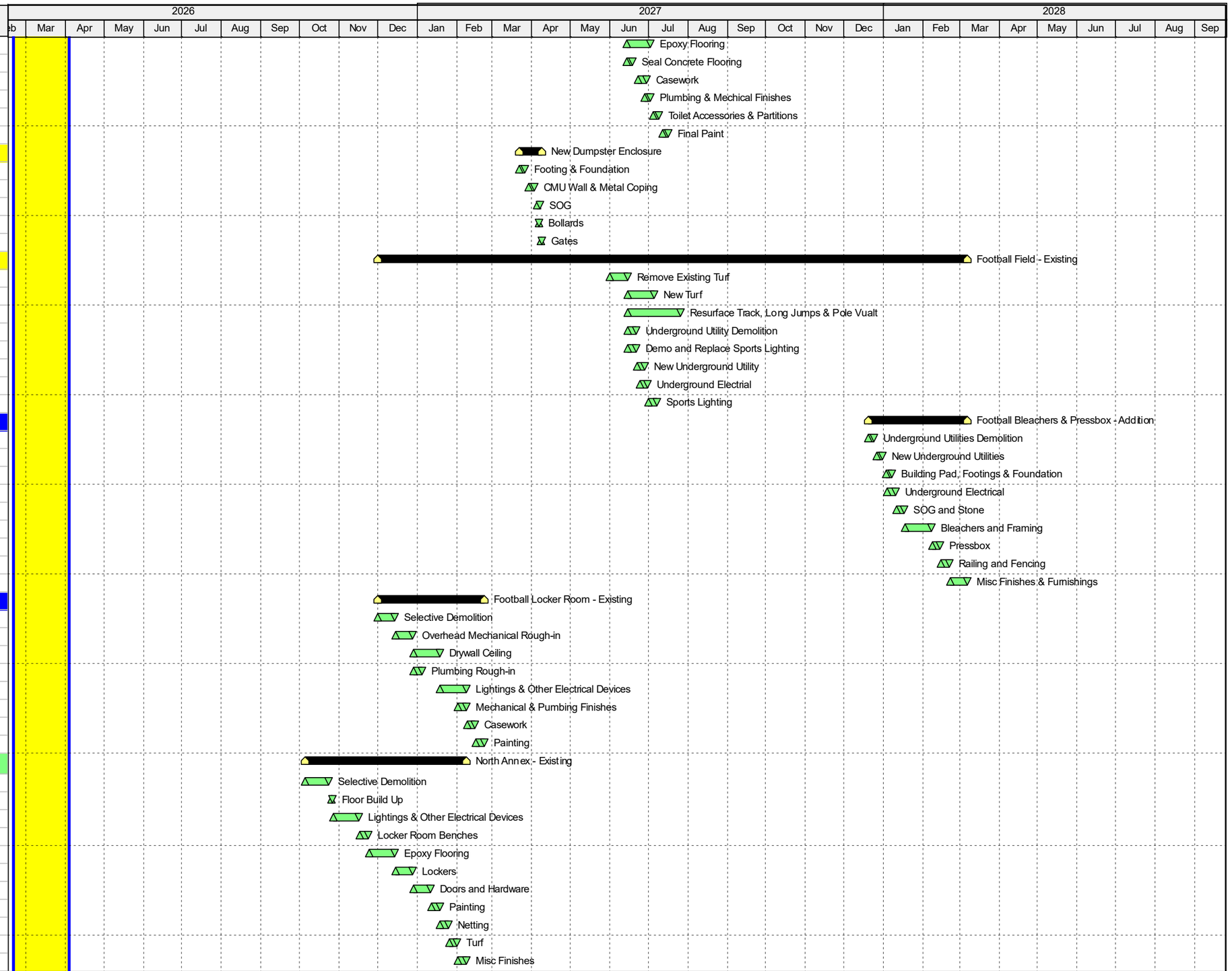
221170.07 Clark-Pleasant WCHS P5 Site Work
Guideline Schedule 19-Feb-26
2 of 3

SKILLMAN

Activity Name	Original Duration	Start	Finish
Epoxy Flooring	15	14-Jun-27	02-Jul-27
Seal Concrete Flooring	5	14-Jun-27	18-Jun-27
Casework	5	23-Jun-27	29-Jun-27
Plumbing & Mechical Finishes	5	28-Jun-27	02-Jul-27
Toilet Accessories & Partitions	5	05-Jul-27	09-Jul-27
Final Paint	5	12-Jul-27	16-Jul-27
New Dumpster Enclosure	14	22-Mar-27	08-Apr-27
Footing & Foundation	5	22-Mar-27	26-Mar-27
CMU Wall & Metal Coping	5	29-Mar-27	02-Apr-27
SOG	3	05-Apr-27	07-Apr-27
Bollards	1	06-Apr-27	06-Apr-27
Gates	1	08-Apr-27	08-Apr-27
Football Field - Existing	330	01-Dec-26	06-Mar-28
Remove Existing Turf	10	01-Jun-27*	14-Jun-27
New Turf	15	15-Jun-27	05-Jul-27
Resurface Track, Long Jumps & Pole Vualt	30	15-Jun-27	26-Jul-27
Underground Utility Demolition	5	15-Jun-27	21-Jun-27
Demo and Replace Sports Lighting	5	15-Jun-27	21-Jun-27
New Underground Utility	5	22-Jun-27	28-Jun-27
Underground Electrial	5	24-Jun-27	30-Jun-27
Sports Lighting	5	01-Jul-27	07-Jul-27
Football Bleachers & Pressbox - Addition	56	20-Dec-27	06-Mar-28
Underground Utilities Demolition	5	20-Dec-27*	24-Dec-27
New Underground Utilities	5	27-Dec-27	31-Dec-27
Building Pad, Footings & Foundation	5	03-Jan-28	07-Jan-28
Underground Electrical	5	04-Jan-28	10-Jan-28
SOG and Stone	5	11-Jan-28	17-Jan-28
Bleachers and Framing	15	18-Jan-28	07-Feb-28
Pressbox	5	08-Feb-28	14-Feb-28
Railing and Fencing	5	15-Feb-28	21-Feb-28
Misc Finishes & Furnishings	10	22-Feb-28	06-Mar-28
Football Locker Room - Existing	60	01-Dec-26	22-Feb-27
Selective Demolition	10	01-Dec-26*	14-Dec-26
Overhead Mechanical Rough-in	10	15-Dec-26	28-Dec-26
Drywall Ceiling	15	29-Dec-26	18-Jan-27
Plumbing Rough-in	5	29-Dec-26	04-Jan-27
Lightings & Other Electrical Devices	15	19-Jan-27	08-Feb-27
Mechanical & Pumbing Finishes	5	02-Feb-27	08-Feb-27
Casework	5	09-Feb-27	15-Feb-27
Painting	5	16-Feb-27	22-Feb-27
North Annex - Existing	91	05-Oct-26	08-Feb-27
Selective Demolition	15	05-Oct-26*	23-Oct-26
Floor Build Up	1	26-Oct-26	26-Oct-26
Lightings & Other Electrical Devices	15	27-Oct-26	16-Nov-26
Locker Room Benches	5	17-Nov-26	23-Nov-26
Epoxy Flooring	15	24-Nov-26	14-Dec-26
Lockers	10	15-Dec-26	28-Dec-26
Doors and Hardware	10	29-Dec-26	11-Jan-27
Painting	5	12-Jan-27	18-Jan-27
Netting	5	19-Jan-27	25-Jan-27
Turf	5	26-Jan-27	01-Feb-27
Misc Finishes	5	02-Feb-27	08-Feb-27



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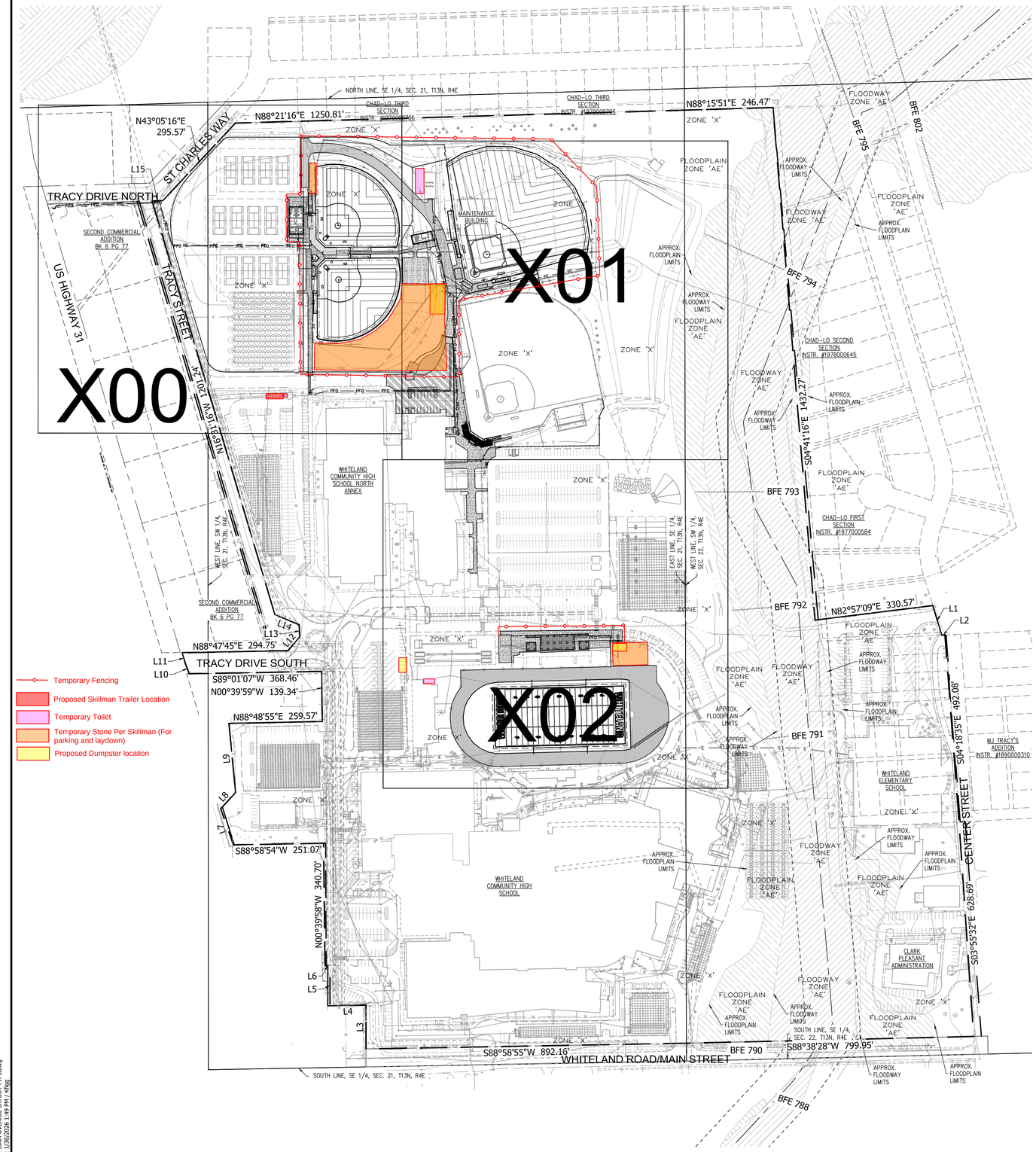

150 0 150 300

SCALE: 1" =150'

Boundary Line Table		
Line #	Direction	Length
L1	S16°51'24"E	86.00'
L2	N87°08'36"E	8.81'
L3	N00°07'39"W	121.99'
L4	S88°58'56"W	99.96'
L5	N00°07'39"W	112.00'
L6	S88°58'16"W	13.76'
L7	N19°16'56"W	106.79'
L8	N42°42'49"E	60.96'
L9	N05°29'15"W	193.57'
L10	N20°48'54"W	30.97'
L11	N16°27'01"W	30.46'
L12	N40°12'44"E	49.65'
L13	N01°07'16"W	34.00'
L14	N67°14'17"W	74.01'
L15	N88°17'44"E	29.87'

OVERALL LAYOUT NOTES

1. "X00" AND "X01" SHOWN HEREON CORRESPOND TO THE 400 AND 500 SERIES UTILITY AND GRADING PLAN SHEETS.
2. ALL NEW SIGNAGE AND PARKING LOT LIGHTS SHALL MATCH WHITELAND COMMUNITY HIGH SCHOOLS' EXISTING SIGNAGE AND LIGHTING. CONTRACTOR SHALL COORDINATE WITH OWNER, LANDSCAPE ARCHITECT (CONTEXT DESIGN), AND MEP DESIGNER FOR LIGHT STYLES AND LAYOUT.
3. CONTRACTOR SHALL NOTIFY ENGINEER, IF PROOF ROLL OF SUBGRADE FAILS, TO DETERMINE IF LIME STABILIZATION OF SUBGRADE IS NECESSARY.
4. ALL RADII DIMENSIONS ARE TO THE FACE OF PROPOSED CURB.
5. SIGNAGE SHALL INCLUDE ALL NECESSARY HARDWARE AND FITTINGS, INCLUDING 10 FT. OF 11 GAUGE FLANGED CHANNEL SIGN POST.
6. REFER TO LANDSCAPE AND ARCHITECTURAL PLANS FOR ADDITIONAL SIGNAGE. VERIFY CONFLICTS WITH OWNER, ARCHITECT, AND LANDSCAPE ARCHITECT.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
8. LANDSCAPING PLAN TO BE PROVIDED BY CONTEXT DESIGN. CONTRACTOR SHALL COORDINATE WITH OWNER AND CONTEXT FOR SPECIFICATIONS.
9. EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

PARKING ANALYSIS - PHASES 1A, 1, 2A, 2 AND 3

PARKING AREA & PHASE	EXISTING # OF SPACES		PROPOSED # OF SPACES		NET CHANGE IN # OF SPACES	
	A.D.A. ACCESSIBLE	STANDARD	A.D.A. ACCESSIBLE	STANDARD	A.D.A. ACCESSIBLE	STANDARD
"A" (PH 1A)	0	0	0	106	0	+106
"B" (PH 1A)	5	83	5	213	0	+130
PH 1A SUBTOTALS =	5	83	5	319	0	+236
"E" (PH 1)	5	72	10	59	+5	−13
"F" (PH 1)	7	168	2	42	−5	−126
PH 1 SUBTOTALS =	12	240	12	101	0	−139
"D" (PH 2A)	6	56	2	18	−4	−38
"G" (PH 2A)	0	0	0	76	0	+76
"H" (PH 2A)	9	120	6	457	−3	+340
PH 2A SUBTOTALS =	15	176	8	551	−7	+375
"C" (PH 2)	0	36	6	31	+6	−5
"I" (PH 2)	0	0	4	52	+4	+52
PH 2 SUBTOTALS =	0	36	10	83	+10	+47
"J" (PH 3)	6	296	14	219	+8	−77
PH 3 SUBTOTALS =	6	296	14	219	+8	−77
TOTALS =	38	831	49	1,273	+11	+442

NOTES:
1. PARKING ANALYSIS DOES NOT INCLUDE BAND PRACTICE LOT WHICH MAY BE USED FOR OVERFLOW PARKING.
2. PARKING ANALYSIS DOES NOT INCLUDE 15 BUS PARKING SPACES AT THE STUDENT ACTIVITY CENTER OR 23 BUS PARKING SPACES AT THE FOOTBALL LOCKER ROOM.
3. PARKING AREA "J" (PHASE 3) INCLUDES DOUBLE STRIPED MARKINGS FOR PASSENGER VEHICLE SPACES IN THE BUS PARKING AREAS ALONG THE WEST SIDE OF THE STUDENT ACTIVITY CENTER ADDITION AND FOOTBALL LOCKER ROOM.

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

PROPERTY BOUNDARY SHOWN IS PRELIMINARY PENDING COMPLETION OF THE ALTA/NSPS LAND TITLE SURVEY BEING PREPARED BY G.W. CHARLES, L.S. WITH CROSSROAD ENGINEERS, P.C.

INDIANA 811 Know what's below. Call before you dig.

DIRECTORY PATH : R:\Active\Larson+Bader\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 300A OVERALL LAYOUT PH 5.dwg
DATE/USER : 1/29/2026 1:49 PM / kfdsg

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 300

OVERALL SITE LAYOUT

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	.	CHECKED	TEN	APPR.	GJI
DRAWN	KLF				
DESIGNED	DMS				
DATE	FEBRUARY 2, 2026				

DEREK M. SNYDER REGISTERED PROFESSIONAL ENGINEER 11200008 STATE OF INDIANA

CONSTRUCTION

NO.	DATE	REVISIONS	BY	APPR.
9				
8				
7				
6				
5				
4				
3				
2				
1				

SHEET 300

LANCER ASSOCIATES ARCHITECTURE

ADDENDUM NO. ONE

PROJECT: CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
PHASE 5

PROJECT NUMBER: 22130

DATE OF ADDENDUM: March 6th, 2026

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDDENDUM ACKNOWLEDGMENT SECTION OF THE BID FORM.

QUESTIONS

Q: General Note 12 on Sheet A101T calls for Window shades however I don't see this spec section listed. Please clarify.
A: Please disregard General Note 12

Q: Alternate 3 lists a new fire alarm system for the football building. Please confirm if any fire alarm work in the football building is included in the base bid.
A: Yes there is some work under base bid. We labeled device with plan notes on the demo and new work drawing that indicated if it is base bid or alternate bid.

Q: Do the gates adjacent to the baseball and softball fields need to have protective fence toppers?
A: Yes. All gates adjacent to baseball and softball playing fields shall have fence toppers.

Q: Where can we find details on the proposed bollards?
A: The 'Steel Pipe Bollard with Concrete Fill' Detail can be found on Sheet L600, Detail #15

Q: Does the C03 Straight Curb on Sheet L104 Site Materials Plan run the entire length of the new sidewalk?
A: No, the Straight Curb only extends for the distance of the new asphalt needed for the new storm connection. Adjustments to the leaders for the C03 callouts have been made on Sheet L104 'Site Materials Plans to more clearly show the beginning and end of the curb

SPECIFICATIONS

1. Volume 2 Index
   - Deleted Section 01 56 39 Tree Protection and moved to Volume 1

2. Volume 3 Index
   - Added Section 27 05 28 Pathways for Communications Systems to the Index.
   - Added Section 32 18 13 Synthetic Turf Replacement to the Index.
   - Added Section 32 31 19 Ornamental Steel Fence and Gates to the Index.

3. Spec Section 03 30 00
   Spec Title: Cast-in-place concrete
   Change 2.4.A.1.c. Change to Viper II

4. Spec Section 07 42 19
   Spec Title: Fluted Metal Siding.
   Change: Updated the footer of the even pages to read "Fluted Metal Siding".

5. Spec Section 105113
   Spec Title: Welded Metal Lockers
   Change: allow LockersMFG All Welded Metal Lockers as an approved equal

6. Spec Section 11 66 23
   Spec Title: Gymnasium Equipment.
   Change: Deleted all references to electrical and motor requirements to hoist the batting cages. Part 2.3 A. update so the batting cages are ground-mounted.

7. Spec Section 12 36 16
   Spec Title: Stainless Steel Fabrication.
   Change: Updated the End of Section to read "END OF SECTION 12 3616".

8. Spec Section 27 13 23

Spec Title: Optical Fiber Backbone Cabling.
Change: Updated the header to reference Phase 5. Updated the header to read "27 13 23 Optical Fiber Backbone Cabling".

9. ADD: The Following Specification Sections have been Added to the Project.
   A. 05 52 13 'Pipe and Tube Railings – Stainless Steel'
   B. 03 30 01 'Site Cast-In-Place Concrete'
   C. 32 33 00 'Site Furnishings'
   D. 13 34 16 'Permenent I-Beam Grandstands
   E. 13 34 17 'Football Pressbox'

10. The Subheading for Section 2.1 'Synthetic Turf Systems' of Specification Section 32 91 16 'Synthetic Turf Field Construction- Diamond Sports' has been revised to read: "B. Batting Tunnels:".

11. The following Manufacturers have been added to Section 2.01 'Pre-Identified and Approved Manufacturers' of Specification 13 34 30 'Bleacher Construction':
    A. Dant Clayton

DRAWINGS REVISIONS:

1. Title Sheet (sheet 100):
   o Revised to include new Storm Plan & Profiles (sheets 705-708).

2. Demolition Plan (sheet 208):
   o Revised to include additional sidewalk removal at north annex building for curb ramp replacement.

3. Demolition Plan (sheet 210):
   o Revised tags to show removal of existing storm structures and pipes on west end of existing football bleachers.

4. Utility Plan (sheet 400):
   o Removed information for perforated HDPE pipes under artificial turf softball fields (information added to new Storm Plan & Profile – sheets 706 & 707).
   o Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
   o Changed Str. No. 188A from storm cleanout to 12" Nyloplast drain basin and increased pipe size exiting from 6" to 8" SDR-35 PVC pipe. o Increased pipe size exiting Str. No. 193 from 18" t0 24" HDPE pipe.

5. Utility Plan (sheet 401):

o Revised to include tags for baseball concessions building roof drain connection to Str. No. 193A.
o Increased sanitary lateral slope exiting baseball concessions building to 1.04% min.
o Removed information for perforated HDPE pipes under artificial turf baseball field (information added to new Storm Plan & Profile – sheet 708).
o Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
o Increased pipe size exiting Str. No. 197 from 18" to 24" HDPE pipe.
o Increased pipe size exiting Str. No. 199 from 18" to 24" HDPE pipe. o Increased pipe length exiting Str. No. 217.
o Revised Storm Sewer Structure Table to include downstream invert elevations for Str. No. 205 and 217.
o Increase pipe length of Str. No. 217.

6. Utility Plan (sheet 402):
   o Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures. • Water Plan (sheet 403):
   o Corrected "fire lane" labels to say "fire line".

7. Grading Plan (sheet 500):
   o Revised to include elevations for sidewalk and curb ramp replacement near north annex.
   o Revised swale elevation between existing geothermal field and south softball field.

8. Grading Plan (sheet 501):
   o Revised to include building and finished floor elevation labels for baseball concessions building.
   o Revised to include tag for Str. No. 218.
   o Revised downstream invert elevation of Str. No. 217 and bottom elevation of existing dry detention basin expansion.

9. Grading Plan (sheet 503):
   o Revised elevations west of varsity softball bleachers.

10. Drainage Plan (sheet 600):
    o Revised downstream invert elevation of Str. No. 217.
    o Lowered bottom elevation of existing dry detention basin expansion.

11. Storm Plan & Profiles (sheet 700)
    o Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
    o Increased pipe size exiting Str. No. 193 from 18" t0 24" HDPE pipe.

12. Storm Plan & Profiles (sheet 701)
    o Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.

o Increased pipe size exiting Str. No. 197 from 18" to 24" HDPE pipe.
o Increased pipe size exiting Str. No. 199 from 18" to 24" HDPE pipe.
o Revised to denote concrete cradle between existing sanitary lateral and storm sewer ("STMI").

13. Storm Plan & Profiles (sheet 702)
    o Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.

14. Storm Plan & Profiles (sheet 703)
    o Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
    o Increased pipe length exiting Str. No. 217.

15. Storm Plan & Profiles (sheet 704)
    o Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.

16. Storm Plan & Profile (sheet 705)
    o Sheet added to show plan and profile of tennis and baseball concessions building's roof drain connections to storm sewer. Also revised pipe inverts and slopes as shown.

17. Storm Plan & Profile (sheet 706)
    o Sheet added to show plan and profile of perforated HDPE pipes under north artificial turf softball field. Also revised pipe inverts and slopes as shown.

18. Storm Plan & Profile (sheet 707)
    o Sheet added to show plan and profile of perforated HDPE pipes under south artificial turf softball field. Also revised pipe inverts and slopes as shown.

19. Storm Plan & Profile (sheet 707)
    o Sheet added to show plan and profile of perforated HDPE pipes under artificial turf baseball field. Also revised pipe inverts and slopes as shown.

20. L010 TREE PRESERVATION PLAN
    A. Trees northeast of Varsity Softball field revised to be Removed.
    B. Large Tree southeast of Junior Varsity Baseball in Detention Basin modified to show Tree Protection Fencing instead of Removal.

21. L101 SITE MATERIALS PLAN
    C. Callout 'B2' updated to reference the Civil Demolition Plans for the Relocated Bleachers.
    D. Callouts 'C03' adjusted to better identify the beginning and ending of Straight Curbs.
    E. Materials Legend updated to clarify Bleacher Relocation callouts.
    F. Materials Legend updated to clarify Specification References.

22. 3.3 L102 SITE MATERIALS PLAN
    G. Callouts ‘B1, B3 and B4’ updated to reference the Civil Demolition Plans for the Relocated Bleachers.
    H. Press Box callout updated to reference the appropriate Specification
    I. Materials Legend updated to clarify Bleacher Relocation call-outs.
    J. Materials Legend updated to clarify Specification References.

23. L103 SITE MATERIALS PLAN
    K. Materials Legend updated to clarify Bleacher Relocation call-outs.
    L. Materials Legend updated to clarify Specification References.

24. L104 SITE MATERIALS PLAN
    M. Callouts ‘C03’ adjusted to better identify the beginning and ending of Straight Curbs.
    N. Materials Legend updated to clarify Bleacher Relocation callouts.
    O. Materials Legend updated to clarify Specification References.

25. Sheet Number AD101NA
    Change: added notes to demolish existing tile

26. Sheet Number AD121FL
    Change: added ceiling demo notes

27. Drawing Sheet E101FL
    A. Revised plan notes. Refer to supplemental information drawing E101FL.

28. Drawing Sheet E401FL
    A. Added and revised plan notes. Refer to supplemental information drawing E401FL.

29. Drawing Sheet E201NA
    A. Relocated panel BFH, T-BF, and BFl from exterior of building to interior storage room in building. Refer to supplemental information drawing E201NA

30. Drawing Sheet E301NA
    A. Relocated panel Musco Lighting Control Panel, BFH, T-BF, and BFl from exterior of building to interior storage room in building. Refer to supplemental information drawing E301NA

31. Drawing Sheet E601
    A. Revised feeder to panelboard BF Hanc and changed enclosure type for T-BF. Refer to supplemental Information Drawing E601 for additional information.

LANCER ASSOCIATES ARCHITECTURE

32. Drawing Sheet E702
    B. Panels BFH and BFL shall be NEMA 1 enclosures in lieu of NEMA 3R. Refer to supplemental Information Drawing E702 for additional information.

33. Drawing Sheet ES101
    C. Revised demolition of feeder serving baseball field concession stand. Refer to supplemental information drawing ES101.

34. Drawing Sheet ES201
    A. Relocated panel Musco Lighting Control Panel, BFH, T-BF, and BFI from exterior of building to interior storage room in building. Refer to supplemental information drawing ES201

Attachments: Civil Addendum Cover Sheet, Site Addendum Cover Sheet, MEP Addendum Cover Sheet.

Specification: Volume 1 Index, Volume 2 Index, 03 30 01, 05 52 13, 07 42 19, 11 66 23, 12 36 16, 13 34 16, 13 34 17, 13 34 30, 27 13 23, 32 33 00, 32 91 16

Drawing : 100, 208, 210, 400, 401, 402, 403, 500, 501, 503, 600, 700, 701, 702, 703, 704, 705, 706, 707, 708, L010, L101, L102, L103, L104, AD101NA, AD121FL, E101FL, E201NA, E301NA, E401FL, E601, E702, ES101, ES201

End of Addendum 1

March 6, 2026

Mr. Misha Belyayev
Lancer Associates Architecture
145 N. East Street
Indianapolis, IN 46204

RE: Whiteland Community High School
Phase 5
Summary of Civil Revisions – Addendum No. 001

Misha:

Please see below for a summary of the revisions to the Whiteland Community High School (WCHS) – Phase 5 civil plans which are dated March 6, 2026, and associated with Addendum No. 001:

- **Title Sheet (sheet 100):**
  - Revised to include new Storm Plan & Profiles (sheets 705-708).
- **Demolition Plan (sheet 208):**
  - Revised to include additional sidewalk removal at north annex building for curb ramp replacement.
- **Demolition Plan (sheet 210):**
  - Revised tags to show removal of existing storm structures and pipes on west end of existing football bleachers.
- **Utility Plan (sheet 400):**
  - Removed information for perforated HDPE pipes under artificial turf softball fields (information added to new Storm Plan & Profile – sheets 706 & 707).
  - Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
  - Changed Str. No. 188A from storm cleanout to 12" Nyloplast drain basin and increased pipe size exiting from 6" to 8" SDR-35 PVC pipe.
  - Increased pipe size exiting Str. No. 193 from 18" t0 24" HDPE pipe.
- **Utility Plan (sheet 401):**
  - Revised to include tags for baseball concessions building roof drain connection to Str. No. 193A.
  - Increased sanitary lateral slope exiting baseball concessions building to 1.04% min.
  - Removed information for perforated HDPE pipes under artificial turf baseball field (information added to new Storm Plan & Profile – sheet 708).
  - Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
  - Increased pipe size exiting Str. No. 197 from 18" to 24" HDPE pipe.
  - Increased pipe size exiting Str. No. 199 from 18" to 24" HDPE pipe.
  - Increased pipe length exiting Str. No. 217.
  - Revised Storm Sewer Structure Table to include downstream invert elevations for Str. No. 205 and 217.
  - Increase pipe length of Str. No. 217.
- **Utility Plan (sheet 402):**
  - Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
- **Water Plan (sheet 403):**
  - Corrected "fire lane" labels to say "fire line".
- **Grading Plan (sheet 500):**
  - Revised to include elevations for sidewalk and curb ramp replacement near north annex.
  - Revised swale elevation between existing geothermal field and south softball field.
- **Grading Plan (sheet 501):**

    - Revised to include building and finished floor elevation labels for baseball concessions building.
    - Revised to include tag for Str. No. 218.
    - Revised downstream invert elevation of Str. No. 217 and bottom elevation of existing dry detention basin expansion.
- **Grading Plan (sheet 503):**
    - Revised elevations west of varsity softball bleachers.
- **Drainage Plan (sheet 600):**
    - Revised downstream invert elevation of Str. No. 217.
    - Lowered bottom elevation of existing dry detention basin expansion.
- **Storm Plan & Profiles (sheet 700)**
    - Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
    - Increased pipe size exiting Str. No. 193 from 18" t0 24" HDPE pipe.
- **Storm Plan & Profiles (sheet 701)**
    - Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
    - Increased pipe size exiting Str. No. 197 from 18" to 24" HDPE pipe.
    - Increased pipe size exiting Str. No. 199 from 18" to 24" HDPE pipe.
    - Revised to denote concrete cradle between existing sanitary lateral and storm sewer ("STM-I").
- **Storm Plan & Profiles (sheet 702)**
    - Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
- **Storm Plan & Profiles (sheet 703)**
    - Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
    - Increased pipe length exiting Str. No. 217.
- **Storm Plan & Profiles (sheet 704)**
    - Revised storm sewer pipe slopes and inverts to provide 0.1' drop through structures.
- **Storm Plan & Profile (sheet 705)**
    - Sheet added to show plan and profile of tennis and baseball concessions building's roof drain connections to storm sewer. Also revised pipe inverts and slopes as shown.
- **Storm Plan & Profile (sheet 706)**
    - Sheet added to show plan and profile of perforated HDPE pipes under north artificial turf softball field. Also revised pipe inverts and slopes as shown.
- **Storm Plan & Profile (sheet 707)**
    - Sheet added to show plan and profile of perforated HDPE pipes under south artificial turf softball field. Also revised pipe inverts and slopes as shown.
- **Storm Plan & Profile (sheet 707)**
    - Sheet added to show plan and profile of perforated HDPE pipes under artificial turf baseball field. Also revised pipe inverts and slopes as shown.

Please find the revised construction plans enclosed. Please feel free to contact me at 317-780-1555 ext. 135 or dsnyder@crossroadengineers.com if you have any questions or need additional information on these subjects.

Sincerely,
CrossRoad Engineers, P.C.

Derek M. Snyder, P.E.
Project Manager

ADDENDUM

ADDENDUM NO: 1

PROJECT: Whiteland HS Phase 5

PROJECT NO: 23-1625 DATE: March 9, 2026 BY: Cameron Hull

This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

Addendum Pages: ADD 1 of 3 through ADD 3 of 3

Attached Documents:
Specifications: 03 30 01, 05 52 13, 13 34 30, 32 33 00, 32 91 16.
Drawings: L010, L101, L102, L103, L104.

PART 0 - GENERAL INFORMATION

0.1 NOT USED

PART 1 - BIDDING REQUIREMENTS

1.1 NOT USED

PART 2 - SPECIFICATIONS

2.1 **ADD**: The Following Specification Sections have been Added to the Project.

A. 05 52 13 'Pipe and Tube Railings – Stainless Steel'

B. 03 30 01 'Site Cast-In-Place Concrete'

C. 32 33 00 'Site Furnishings'

2.2 The Subheading for Section 2.1 'Synthetic Turf Systems' of Specification Section 32 91 16 'Synthetic Turf Field Construction- Diamond Sports' has been revised to read: "B. Batting Tunnels:".

2.3 The following Manufacturers have been added to Section 2.01 'Pre-Identified and Approved Manufacturers' of Specification 13 34 30 'Bleacher Construction':

A. Dant Clayton

PEOPLE+LAND 5825 Lawton Loop East Drive | Indianapolis, IN 46216 | 317-485-6900 | www.context-design.com

PART 3 - DRAWINGS

3.1 L010 TREE PRESERVATION PLAN

A. Trees northeast of Varsity Softball field revised to be Removed.

B. Large Tree southeast of Junior Varsity Baseball in Detention Basin modified to show Tree Protection Fencing instead of Removal.

3.2 L101 SITE MATERIALS PLAN

A. Callout 'B2' updated to reference the Civil Demolition Plans for the Relocated Bleachers.

B. Callouts 'C03' adjusted to better identify the beginning and ending of Straight Curbs.

C. Materials Legend updated to clarify Bleacher Relocation callouts.

D. Materials Legend updated to clarify Specification References.

3.3 L102 SITE MATERIALS PLAN

A. Callouts 'B1, B3 and B4' updated to reference the Civil Demolition Plans for the Relocated Bleachers.

B. Press Box callout updated to reference the appropriate Specification

C. Materials Legend updated to clarify Bleacher Relocation call-outs.

D. Materials Legend updated to clarify Specification References.

3.4 L103 SITE MATERIALS PLAN

A. Materials Legend updated to clarify Bleacher Relocation call-outs.

B. Materials Legend updated to clarify Specification References.

3.5 L104 SITE MATERIALS PLAN

A. Callouts 'C03' adjusted to better identify the beginning and ending of Straight Curbs.

B. Materials Legend updated to clarify Bleacher Relocation callouts.

C. Materials Legend updated to clarify Specification References.

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PART 4 - QUESTION AND ANSWER

4.1 Q: Do the gates adjacent to the baseball and softball fields need to have protective fence toppers?

A: Yes. All gates adjacent to baseball and softball playing fields shall have fence toppers.

4.2 Q: Where can we find details on the proposed bollards?

A: The 'Steel Pipe Bollard with Concrete Fill' Detail can be found on Sheet L600, Detail #15.

4.3 Q: Does the C03 Straight Curb on Sheet L104 Site Materials Plan run the entire length of the new sidewalk?

A: No, the Straight Curb only extends for the distance of the new asphalt needed for the new storm connection. Adjustments to the leaders for the C03 callouts have been made on Sheet L104 'Site Materials Plans to more clearly show the beginning and end of the curb.

END ADDENDUM

PEOPLE+LAND 5825 Lawton Loop East Drive | Indianapolis, IN 46216 | 317-485-6900 | www.context-design.com

Primary Engineering, Inc.
9785 Crosspoint Blvd., Ste. 103
Indianapolis, Indiana 46256
317-324-1221 ph
www.primary-eng.com

Addendum: **1**

Date: **03/05/2026**

Project: **Clark Pleasant Community School Corp.**
Whiteland High School - Phase 5

Comm #: **24709**

The following items shall be incorporated into the specifications and drawings and are considered to be integral to the bid documents for the project. Acknowledgement of receipt of this addendum is required on the bid form.

Item #1: Drawing Sheet E101FL

A. Revised plan notes**.** Refer to supplemental information drawing E101FL.

Item #2: Drawing Sheet E401FL

A. Added and revised plan notes**.** Refer to supplemental information drawing E401FL.

Item #3: Drawing Sheet E201NA

A. Relocated panel BFH, T-BF, and BFl from exterior of building to interior storage room in building. Refer to supplemental information drawing E201NA

Item #4: Drawing Sheet E301NA

A. Relocated panel Musco Lighting Control Panel, BFH, T-BF, and BFl from exterior of building to interior storage room in building. Refer to supplemental information drawing E301NA

Item #5: Drawing Sheet E601

A. Revised feeder to panelboard BF Hanc and changed enclosure type for T-BF. Refer to supplemental Information Drawing E601 for additional information.

Item #6: Drawing Sheet E702

A. Panels BFH and BFL shall be NEMA 1 enclosures in lieu of NEMA 3R. Refer to supplemental Information Drawing E702 for additional information.

Item #7: Drawing Sheet ES101

A. Revised demolition of feeder serving baseball field concession stand. Refer to supplemental information drawing ES101.

Item #8: Drawing Sheet ES201

A. Relocated panel Musco Lighting Control Panel, BFH, T-BF, and BFl from exterior of building to interior storage room in building. Refer to supplemental information drawing ES201

INDEX

VOLUME 2 OF 3

DIVISION 08 – OPENINGS

DIVISION 09 – FINISHES

DIVISION 10 - SPECIALTIES

DIVISION 11 – EQUIPMENT

DIVISION 12 - FURNISHINGS

DIVISION 13 – SPECIAL CONSTRUCTION

END OF INDEX VOLUME 2 OF 3

INDEX

VOLUME 3 OF 3

SECTION 03 30 01 – SITE CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
1. Site cast-in-place concrete walls and back-up walls.
2. Site cast-in-place foundations for concrete walls, back-up walls, and site amenity features.
3. Site cast-in-place concrete stairs.
4. Structural support and reinforcing for a variety of conditions within Plans.
5. *Please note that separate, yet similar, specification information may exist for A-Series Architectural Plans, when applicable.*

B. Related Sections include the following:
1. Division 31 Section “Earth Moving” for additional subgrade preparation and related information.
2. Division 04 Sections for all site brick, site stone, and cast stone masonry.
3. Division 07 Section “Site Wall Joint Sealants” for wall joints.
4. Division 32 Sections “Concrete Paving” and “Decorative Concrete Paving” for all pedestrian walks and flatwork.

1.3 ACTION SUBMITTALS

A. In addition to Product Data, submit design mixes and the following for each concrete mix:

1. Shop Drawings detailing fabrication, bending, and placement.
2. Material certificates signed by product manufacturers certifying that product complies with requirements.

1.4 QUALITY ASSURANCE

A. Comply with ACI 301, "Specification for Structural Concrete," and ACI 117, "Specifications for Tolerances for Concrete Construction and Materials."

1. Installer Qualifications: An experienced installer who has completed concrete Work similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
2. Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products complying with ASTM C 94 requirements for production facilities and equipment.

PART 2 - PRODUCTS

2.1 STEEL REINFORCEMENT

A. As follows:

1. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (Grade 420), deformed.
2. Plain-Steel Wire: ASTM A 82, as drawn.
3. Plain-Steel Welded Wire Fabric (when applicable): ASTM A 185, flat sheets.

2.2 CONCRETE MATERIALS

A. As follows:

1. Portland Cement: ASTM C 150, Type I, gray. Supplement with Fly Ash: ASTM C 618, Class C or F.
2. Aggregate: ASTM C 33, uniformly graded, from a single source throughout the project.
   a. Maximum Coarse-Aggregate Size: 1 inch nominal.
   b. Fine Aggregate: Free of materials with deleterious reactivity to alkali in cement.
3. Water: ASTM C 94 and potable.

2.3 ADMIXTURES

A. Air-Entraining Admixture: ASTM C 260.
B. Chemical Admixtures: Provide admixtures certified by manufacturer to be compatible with other admixtures and that will not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use calcium chloride or admixtures containing calcium chloride.
   1. Water-Reducing Admixture: ASTM C 494, Type A.
   2. Retarding Admixture: ASTM C 494, Type B.
   3. Water-Reducing and Retarding Admixture: ASTM C 494, Type D.
   4. High-Range, Water-Reducing Admixture: ASTM C 494, Type F.
   5. High-Range, Water-Reducing and Retarding Admixture: ASTM C 494, Type G.
   6. Plasticizing and Retarding Admixture: ASTM C 1017, Type II.
   7. Synthetic Fiber (when applicable): Fibrillated or monofilament polypropylene fibers engineered and designed for use in concrete, complying with ASTM C 1116, Type III, 1/2 to 1-1/2 inches (13 to 38 mm) long.
   8. Internal Cure (E5): ASTM C 494, Type S.

2.4 RELATED MATERIALS (when applicable)

A. As follows:

1. Flexible Waterstops: Rubber, CE CRD-C 513, or PVC, CE CRD-C 572.
2. Vapor Retarder: ASTM E 1745, Class C, not less than 7.8 mils (0.18 mm) thick; or polyethylene sheet, ASTM D 4397, not less than 10 mils (0.25 mm) thick.
3. Joint-Filler Strips: ASTM D 1751, asphalt-saturated cellulosic fiber, or ASTM D 1752, cork or self-expanding cork.
4. Bonding Agent: ASTM C 1059, Type II, non-redispersible, acrylic emulsion or styrene butadiene.
5. Epoxy-Bonding Adhesive: ASTM C 881, two-component epoxy resin, of type, class, and grade to suit requirements.

2.5 CURING MATERIALS

A. As follows:

1. Evaporation Retarder: Waterborne, monomolecular film forming, manufactured for application to fresh concrete.
2. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. (305 g/sq. m) dry.
3. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.
4. Clear, Waterborne, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B.
5. Clear, Waterborne, Membrane-Forming Curing and Sealing Compound: ASTM C 1315, Type 1, Class A.
6. Internal Curing Compound: E5 Internal Cure, 4 fl. Oz. per 100 lbs. of cementitious material.

2.6 CONCRETE MIXES

A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, according to ACI 301.

B. Cementitious Materials: Use fly ash, to reduce the total amount of portland cement, which would otherwise be used, by not less more 20 percent.

C. Admixtures: Use admixtures according to manufacturer's written instructions.
   1. Use water-reducing, high-range water-reducing, or plasticizing admixture in concrete, as required, for placement and workability.
   2. Use water-reducing and retarding admixture when required by high temperatures, low humidity, or other adverse placement conditions.
   3. Use water-reducing admixture in pumped concrete, concrete for heavy-use industrial slabs and parking structure slabs, concrete required to be watertight, and concrete with a water-cementitious materials ratio below 0.50.

D. Site Concrete Footings: Proportion normal-weight concrete mixture as follows:
   1. Minimum Compressive Strength: 3,500 psi at 28 days.
   2. Maximum Water-Cementitious Materials Ratio: 0.58.
   3. Slump Limit: 5 inches, plus or minus 1 inch.
   4. Air Content: Optional.

E. Exterior Concrete: As indicated within Division 32 - 'Concrete Paving'

2.7 SYNTHETIC FIBERS (when applicable)

A. Uniformly disperse in concrete mix at manufacturer's recommended rate, but not less than 1.5 lb/cu. yd. (0.90 kg/cu. m).

2.8 READY-MIXED CONCRETE

A. Measure, batch, mix, and deliver concrete according to ASTM C 94 and ASTM C 1116, and furnish batch ticket information.

2.9 PROJECT-SITE MIXING

A. Measure, batch, and mix concrete materials and concrete according to ASTM C 94. Mix concrete materials in appropriate drum-type batch machine mixer.

2.10 Skate Deterrent

A. Basis of Design:
1. Model D 135-8 as manufactured by Skatestoppers, El Cajon, CA 92020. Phone 619-447-6374 or approved equal prior to bidding. Equally space along walls at approx. 36” O.C. and at least 12” from end of wall.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Ensure subgrade to support concrete footings and foundations has been compacted to achieve 95% SPD, unless otherwise indicated. Coordinate testing to demonstrate compliance according to the provisions of the Specifications.

B. Design, construct, erect, shore, brace, and maintain formwork, according to ACI 301, to support vertical, lateral, static, and dynamic loads, and construction loads that might be applied, until concrete structure can support such loads.

C. Place and secure anchorage devices and other embedded items required for adjoining work that is attached to or supported by cast-in-place concrete. Use Setting Drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.

D. Leave formwork that supports weight of concrete in place until concrete has achieved 28-day design compressive strength.

E. Comply with ACI 318 (ACI 318M), ACI 301, and recommendations in ACI 347R for design, installation, and removal of shoring and reshoring.

3.2 DEWATERING

A. Prevent surface water and ground water from entering excavations, from ponding on prepared subgrades, and from flooding Project site and surrounding area.

B. Protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.

1. Reroute surface water runoff away from excavated areas. Do not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches.

2. Install a dewatering system to keep subgrades dry and convey ground water away from excavations. Maintain until dewatering as required.

3.3 VAPOR RETARDER (when applicable)

A. Place, protect, and repair vapor-retarder sheets according to ASTM E 1643. Do not cut or puncture vapor retarder. Repair damage and reseal vapor retarder before placing concrete.

3.4 STEEL REINFORCEMENT

A. Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.

3.5 JOINTS AND WATERSTOPS

A. Locate and install waterstops, construction joints, isolation joints, and contraction joints per industry standards.

3.6 CONCRETE PLACEMENT

A. Deposit concrete continuously and avoid segregation. Deposit concrete in forms in horizontal layers no deeper than 24 inches (600 mm), avoiding cold joints.

1. Consolidate concrete with mechanical vibrating equipment.

2. Screed and initial-float concrete floors and slabs using bull floats or darbies to form a uniform and open-textured surface plane, free of humps or hollows, before excess moisture or bleedwater appears on the surface. Do not further disturb slab surfaces before starting finishing operations.

3. Comply with ACI 306.1 for cold-weather concrete placement.

4. Place concrete according to recommendations in ACI 305R when hot-weather conditions exist.

B. Finish formed surfaces as follows:

1. Apply rough-formed finish, defined in ACI 301, to concrete surfaces indicated or not exposed to public view.

2. Apply smooth-formed finish, defined in ACI 301, to concrete surfaces indicated and exposed to public view or to be covered with a coating or covering material applied directly to concrete, such as waterproofing, dampproofing, veneer plaster, or painting.

a. Do not apply rubbed finish to smooth-formed finish.

3.7 CONCRETE PROTECTION AND CURING

A. Protect concrete from excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and with recommendations in ACI 305R for hot-weather protection during curing. All costs related to summer or winter conditions shall be the responsibility of the Contractor as part of achieving the project schedule.

1. Apply evaporation retarder to unformed concrete surfaces if hot, dry, or windy conditions cause excessive moisture loss.
2. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.
3. Cure formed and unformed concrete for at least seven days by moisture curing, moisture-retaining-cover curing, or curing compound.
4. Cure and seal floors and slabs with a curing and sealing compound according to manufacturer's written instructions.

3.8 TESTING AGENCY

A. **Contractor** will engage a qualified independent testing and inspecting agency to sample materials, perform tests, and submit test reports during concrete placement. Tests shall be performed according to ACI 301.

3.9 DEFECTIVE CONCRETE

A. Repair and patch defective areas when approved by Landscape Architect. Remove and replace concrete that cannot be repaired and patched to Landscape Architect's satisfaction.

END OF SECTION 03 30 01

SECTION 05 52 13 - PIPE AND TUBE RAILINGS [STAINLESS STEEL]

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Section Includes:

1. Stainless-steel pipe and tube railings.

1.03 PERFORMANCE REQUIREMENTS

A. Delegated Design: Design railings, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.

B. General: In engineering railings to withstand structural loads indicated, determine allowable design working stresses of railing materials based on the following:

1. Stainless Steel: 60 percent of minimum yield strength.

C. Structural Performance: Railings shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:

1. Handrails and Top Rails of Guards:

a. Uniform load of 50 lbf/ ft. applied in any direction.
b. Concentrated load of 200 lbf applied in any direction.
c. Uniform and concentrated loads need not be assumed to act concurrently.

2. Infill of Guards:

a. Concentrated load of 50 lbf applied horizontally on an area of 1 sq. ft.
b. Infill load and other loads need not be assumed to act concurrently.

D. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes acting on exterior metal fabrications by preventing buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects.

1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

E. Control of Corrosion: Prevent galvanic action and other forms of corrosion by insulating metals and other materials from direct contact with incompatible materials.

1.04 ACTION SUBMITTALS

A. Product Data: For the following:

1. Manufacturer's product lines of mechanically connected railings.
2. Railing brackets.
3. Grout, anchoring cement, and paint products.

B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

C. Samples for Verification: For each type of exposed finish required.

1. Sections of each distinctly different linear railing member, including handrails, top rails, posts, and balusters.
2. Fittings and brackets.

D. Delegated-Design Submittal: For installed products indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.05 INFORMATIONAL SUBMITTALS

A. Qualification Data: For qualified professional engineer and testing agency.

B. Mill Certificates: Signed by manufacturers of stainless-steel products certifying that products furnished comply with requirements.

C. Welding certificates.

D. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, according to ASTM E 894 and ASTM E 935.

1.06 QUALITY ASSURANCE

A. Source Limitations: Obtain each type of railing from single source from single manufacturer.

B. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated.

C. Fabricator Qualifications: A firm experienced in producing metal stairs similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

D. Design and Fabrication Standards:

1. Fabricate railings in accordance with the recommendations of ANSI/NAAMM AMP-521. Finish joints in railings accordance with the following National and Ornamental & Miscellaneous Metal Association (NOMMA) standards :

a. Commercial Stairs, Guard Rails in Occupied Spaces: Type 2

E. Welding Qualifications: Qualify procedures and personnel according to the following:

1. AWS D1.6, "Structural Welding Code - Stainless Steel."

1.07 PROJECT CONDITIONS

A. Field Measurements: Verify actual locations of walls and other construction contiguous with metal fabrications by field measurements before fabrication.

1.08 COORDINATION AND SCHEDULING

A. Coordinate selection of shop primers with topcoats to be applied over them. Comply with paint and coating manufacturers' written recommendations to ensure that shop primers and topcoats are compatible with one another.

B. Coordinate installation of anchorages for railings. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.

C. Schedule installation so wall attachments are made only to completed walls. Do not support railings temporarily by any means that do not satisfy structural performance requirements.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Stainless-Steel Pipe and Tube Railings:

a. Construction Services, Inc., Decatur, Alabama
b. Jerico Metal Specialties, Inc.
c. Lin-El, Inc., Martinsville, Indiana
d. Livers Bronze Co., Inc.
e. Thomco, Indianapolis, Indiana
f. Custom producers listed above using the following:

1) Blum: Julius Blum and Co., Inc.
2) Braun: J. G. Braun Co.
3) Wagner: R & B Wagner, Inc.

2.02 METALS, GENERAL

A. Metal Surfaces, General: Provide materials with smooth surfaces, without seam marks, roller marks, rolled trade names, stains, discolorations, or blemishes.

B. Brackets, Flanges, and Anchors: Cast or formed metal of same type of material and finish as supported rails unless otherwise indicated.

2.03 STAINLESS STEEL

A. Tubing: ASTM A 554, Grade MT 316L.

B. Pipe: ASTM A 312/A 312M, Grade TP 316L.

C. Castings: ASTM A 743/A 743M, Grade CF 8M or CF 3M.

D. Plate and Sheet: ASTM A 240/A 240M or ASTM A 666, Type 316L.

2.04 FASTENERS

A. General: Provide the following:

1. Stainless-Steel Railings: Type 316 stainless-steel fasteners.

B. Fasteners for Anchoring Railings to Other Construction: Select fasteners of type, grade, and class required to produce connections suitable for anchoring railings to other types of construction indicated and capable of withstanding design loads.

C. Fasteners for Interconnecting Railing Components:

1. Provide concealed fasteners for interconnecting railing components and for attaching them to other work, unless otherwise indicated.
2. Material for Exterior Locations and Where Stainless Steel is Indicated: Alloy Group 2 (A4) stainless-steel bolts, ASTM F 593, and nuts, ASTM F 594.

2.05 MISCELLANEOUS MATERIALS

A. Welding Rods and Bare Electrodes: Select according to AWS specifications for metal alloy welded.

1. For stainless-steel railings, provide type and alloy as recommended by producer of metal to be welded and as required for color match, strength, and compatibility in fabricated items.

B. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187.

C. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107. Provide grout specifically recommended by manufacturer for interior and exterior applications.

D. Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with water at Project site to create pourable anchoring, patching, and grouting compound.

1. Water-Resistant Product: At exterior locations and where indicated provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and that is recommended by manufacturer for exterior use.

2.06 FABRICATION

A. General: Fabricate railings to comply with requirements indicated for design, dimensions, member sizes and spacing, details, finish, and anchorage, but not less than that required to support structural loads.

B. Assemble railings in the shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation. Use connections that maintain structural value of joined pieces.

C. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.

D. Form work true to line and level with accurate angles and surfaces.

E. Fabricate connections that will be exposed to weather in a manner to exclude water. Provide weep holes where water may accumulate.

F. Cut, reinforce, drill, and tap as indicated to receive finish hardware, screws, and similar items.

G. Connections: Fabricate railings with welded connections unless otherwise indicated.

H. Welded Connections: Cope components at connections to provide close fit, or use fittings designed for this purpose. Weld all around at connections, including at fittings.

1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
2. Obtain fusion without undercut or overlap.
3. Remove flux immediately.

I. Nonwelded Connections: Connect members with concealed mechanical fasteners and fittings. Fabricate members and fittings to produce flush, smooth, rigid, hairline joints.

J. Form changes in direction as follows:

1. As detailed.
2. By bending or by inserting prefabricated elbow fittings.

K. Bend members in jigs to produce uniform curvature for each configuration required; maintain cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of components.

L. Close exposed ends of railing members with prefabricated end fittings.

M. Provide wall returns at ends of wall-mounted handrails unless otherwise indicated. Close ends of returns unless clearance between end of rail and wall is 1/4 inch or less.

N. Brackets, Flanges, Fittings, and Anchors: Provide wall brackets, flanges, miscellaneous fittings, and anchors to interconnect railing members to other work unless otherwise indicated.

O. Provide inserts and other anchorage devices for connecting railings to concrete or masonry work. Fabricate anchorage devices capable of withstanding loads imposed by railings. Coordinate anchorage devices with supporting structure.

P. For railing posts set in concrete, provide stainless-steel sleeves not less than 6 inches long with inside dimensions not less than 1/2 inch greater than outside dimensions of post, with metal plate forming bottom closure.

2.07 FINISHES, GENERAL

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

D. Provide exposed fasteners with finish matching appearance, including color and texture, of railings.

2.08 STAINLESS-STEEL FINISHES

A. Remove tool and die marks and stretch lines, or blend into finish.

B. Grind and polish surfaces to produce uniform, directionally textured, polished finish indicated, free of cross scratches. Run grain with long dimension of each piece.

C. Directional Satin Finish: No. 4.

D. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.

PART 3 - EXECUTION

3.01 EXAMINATION

3.02 INSTALLATION, GENERAL

A. Fit exposed connections together to form tight, hairline joints.

B. Perform cutting, drilling, and fitting required for installing railings. Set railings accurately in location, alignment, and elevation; measured from established lines and levels and free of rack.

1. Do not weld, cut, or abrade surfaces of railing components that have been coated or finished after fabrication and that are intended for field connection by mechanical or other means without further cutting or fitting.
2. Set posts plumb within a tolerance of 1/16 inch in 3 feet.

3. Align rails so variations from level for horizontal members and variations from parallel with rake of steps and ramps for sloping members do not exceed 1/4 inch in 12 feet.

C. Adjust railings before anchoring to ensure matching alignment at abutting joints.

D. Fastening to In-Place Construction: Use anchorage devices and fasteners where necessary for securing railings and for properly transferring loads to in-place construction.

3.03 RAILING CONNECTIONS

A. Nonwelded Connections: Use mechanical or adhesive joints for permanently connecting railing components. Seal recessed holes of exposed locking screws using plastic cement filler colored to match finish of railings.

B. Welded Connections: Use fully welded joints for permanently connecting railing components. Comply with requirements for welded connections in "Fabrication" Article whether welding is performed in the shop or in the field.

C. Expansion Joints: Install expansion joints at locations indicated but not farther apart than required to accommodate thermal movement. Provide slip-joint internal sleeve extending 2 inches beyond joint on either side, fasten internal sleeve securely to one side, and locate joint within 6 inches of post.

3.04 ANCHORING POSTS

A. Form or core-drill holes not less than 5 inches deep and 3/4 inch larger than OD of post for installing posts in concrete. Clean holes of loose material, insert posts, and fill annular space between post and concrete with nonshrink, nonmetallic grout or anchoring cement, mixed and placed to comply with anchoring material manufacturer's written instructions.

B. Cover anchorage joint with flange of same metal as post, attached to post with set screws.

C. Install removable railing sections, where indicated, in slip-fit metal sockets cast in concrete.

3.05 ATTACHING RAILINGS

A. Attach railings to wall with wall brackets, except where end flanges are used. Provide brackets with 1-1/2-inch clearance from inside face of handrail and finished wall surface. Locate brackets as indicated or, if not indicated, at spacing required to support structural loads.

1. Use type of bracket with predrilled hole for exposed bolt anchorage.
2. Locate brackets as indicated or, if not indicated, at spacing required to support structural loads.

B. Secure wall brackets and railing end flanges to building construction as follows:

1. For concrete and solid masonry anchorage, use drilled-in expansion shields and hanger or lag bolts.

2. For hollow masonry anchorage, use toggle bolts.
3. For wood stud partitions, use hanger or lag bolts set into studs or wood backing between studs. Coordinate with carpentry work to locate backing members.

3.06 ADJUSTING AND CLEANING

A. Clean stainless steel by washing thoroughly with clean water and soap and rinsing with clean water.

3.07 PROTECTION

A. Protect finishes of railings from damage during construction period with temporary protective coverings approved by railing manufacturer. Remove protective coverings at time of Substantial Completion.

B. Restore finishes damaged during installation and construction period so no evidence remains of correction work. Return items that cannot be refinished in the field to the shop; make required alterations and refinish entire unit, or provide new units.

END OF SECTION

SECTION 07 4219 - FLUTED METAL SIDING SYSTEM

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Concealed fastener metal fluted siding system.

1.2 RELATED REQUIREMENTS

A. American Architectural Manufacturer's Association (AAMA):

1. AAMA 620 - Voluntary Specification for High Performance Organic Coatings on Coil Coated Architectural Aluminum Substrates.
2. AAMA 621 - Voluntary Specification for High Performance Organic Coatings on Coil Coated Architectural Hot Dipped Galvanized (HDG) and Zinc-Aluminum Coated Steel Substrates.

B. American Society of Civil Engineers (ASCE):

1. ASCE 7 - Minimum Design Loads for Buildings and Other Structures.

C. ASTM International (ASTM):

1. ASTM A 653/A 653M - Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc- Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
2. ASTM A 666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
3. ASTM A 755/A 755M - Specification for Steel Sheet, Metallic Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products.
4. ASTM A 792/A 792 M - Standard Specification for Steel Sheet, 55 % Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.
5. ASTM B 209 - Specification for Aluminum and Aluminum Alloy Sheet and Plate.
6. ASTM C 754 - Specification for Installation of Steel Framing Members to Receive Screw Attached Gypsum Panel Products.
7. ASTM C 920 - Specification for Elastomeric Joint Sealants.
8. ASTM C 1007 - Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories.
9. ASTM E 72 - Standard Test Methods of Conducting Strength Tests of Panels for Building Construction.
10. ASTM E 283 - Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors under Specified Pressure Differences across the Specimen.
11. ASTM E 331 - Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

D. Sheet Metal and Air Conditioning Contractors National Association, Inc. (SMACNA):

1. Architectural Sheet Metal Manual.

1.3 PERFORMANCE REQUIREMENTS

A. General: Provide metal wall panel assemblies meeting performance requirements as determined by application of specified tests by a qualified testing agency on manufacturer's standard assemblies.

B. Air Infiltration: When installed over Insulated Composite Backup Panels or Metal Liner Panels, maximum 0.06 cfm/sq. ft. per ASTM E 283 at a static-air-pressure difference of 1.57 lbf/sq. ft. (75 Pa), using minimum 10-by-10 foot test panel that includes side joints.

C. Water Penetration, Static Pressure: When installed over Insulated Composite Backup Panels or Metal Liner Panels, no uncontrolled water penetration per ASTM E 331 at a minimum static differential pressure of 6.24 lbf/sq. ft. (299 Pa), using minimum 10-by-10 foot test panel that includes side joints.

D. Thermal Movements: Allow for thermal movements from variations in both ambient and internal temperatures. Accommodate movement of support structure caused by thermal expansion and contraction.

1.4 QUALITY ASSURANCE

A. Manufacturer/Source: Provide metal wall panel and panel accessories from a single manufacturer.

B. Manufacturer Qualifications: Approved manufacturer listed in this Section with minimum 10 years experience in manufacture of similar products in successful use in similar applications.

1. Approval of Comparable Products: Submit the following in accordance with project substitution requirements, within time allowed for substitution review:
   a. Product data, including certified independent test data indicating compliance with requirements.
   b. Load span tables including evaluation of panel clip and panel side joint interaction.
   c. Samples of each component.
   d. Project references: Minimum of 5 installations not less than 5 years old, with Owner and Architect contact information.
   e. Sample warranty.

2. Substitutions following award of contract are not allowed except as stipulated in Division 01 General Requirements.
3. Approved manufacturers must meet separate requirements of Submittals Article.

C. Wall Systems Installer Qualifications: Experienced Installer with minimum of 5 years experience with successfully completed projects of a similar nature and scope.

1.5 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Conduct preinstallation meeting at site attended by Owner, Architect, manufacturer's representative, and other trade contractors.

1. Coordinate building framing in relation to metal wall panel assembly.
2. Coordinate installation of building air and water barrier behind metal wall panel assembly.
3. Coordinate window, door and louver, and other openings and penetrations of metal wall panel assembly.

1.6 ACTION SUBMITTALS

A. Product Data: Manufacturer’s data sheets, for specified products.

1. Include data indicating compliance with performance requirements.

B. Shop Drawings: Provide shop drawings prepared by manufacturer or manufacturer's authorized Installer. Include full elevations showing openings and penetrations. Include details of each condition of installation and attachment. Provide details at a minimum scale of 1-1/2-inch per foot (1:8) of all required trim and extrusions needed for a complete installation.

1. Indicate points of supporting structure that must coordinate with metal wall panel assembly installation.
2. Indicate details of fastening, including clip spacing, supported by load span tables that include an evaluation of clip and panel side joint interaction.

C. Samples for Initial Selection: For each product specified. Provide representative color charts of manufacturer's full range of colors.

D. Samples for Verification: Provide 12-inch section of panel(s) showing finishes. Provide 12-inch long pieces of trim pieces and other exposed components.

1.7 INFORMATIONAL SUBMITTALS

A. Product Test Reports: Indicating compliance of products with requirements, from a qualified independent testing agency.

B. Qualification Information: For Installer firm.

C. Manufacturer's warranty: Submit sample warranty.

1.8 CLOSEOUT SUBMITTALS

A. Maintenance data.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Protect metal wall panel products during shipping, handling, and storage to prevent staining, denting, deterioration of components or other damage.

1. Deliver, unload, store, and erect metal wall panel products and accessory items without misshaping panels or exposing panels to surface damage from weather or construction operations.

1.10 WARRANTY

A. Special Manufacturer's Warranty: On manufacturer's standard form, in which manufacturer agrees to repair or replace components of metal wall panel assemblies that fail in materials and workmanship within two years from date of Substantial Completion.

B. Special Panel Finish Warranty: On manufacturer's standard form, in which manufacturer agrees to repair or replace metal wall panels that display evidence of deterioration of finish within 20 years from the date of substantial completion.

PART 2 - PRODUCTS

2.1 SYSTEM DESCRIPTION

A. Metal Wall Panels over Outside-Insulated Framed Wall System: Single-skin concealed fastener metal wall panels applied as exterior rainscreen cladding over wall framing specified in Division 05 Section "Cold-Formed Metal Framing" with exterior sheathing specified in Division 06 Section "Sheathing", an applied membrane that provides air, moisture, and water vapor control specified in Division 07 Section "Air Barriers", and insulation wall panel mounting clips for panel attachment.

1. Air, moisture, and water vapor control membrane is provided under Division 07 Section " Weather Barriers."

2.2 ACCEPTABLE MANUFACTURERS

A. Basis of Design: MBCI; Designer Series Fluted

B. CENTRIA

C. Fabral

2.3 PANEL MATERIALS

A. Metallic-Coated Steel Face Sheet: Coil-coated, ASTM A 755/A 755M.

1. Zinc-Coated (Galvanized) Steel Sheet: ASTM A 653/A 653M, G90 (Class Z275), structural steel quality.
2. Aluminum-zinc alloy-coated (Galvalume) Steel Sheet: ASTM A 792/A 792M, Class AZ50 Grade 50 (Class AZM150, Grade 275), structural steel quality.
3. Face Sheet: Minimum 0.024 inch/24 gage nominal uncoated thickness.
4. Surface: Smooth.

2.4 CONCEALED FASTENER METAL WALL PANELS

A. Metal Wall Panels, General: Factory-formed, concealed fastener panels with interconnecting side joints, fastened to supports with concealed fasteners, with factory-applied sealant inside laps when required to meet performance requirements.

1. Basis of Design Product: MBCI Designer Series Fluted
2. Panel Coverage: 16 inches fluted.

B. Exposed Coil-Coated Finish System:

1. Fluoropolymer Two-Coat System: 0.2 mil primer with 0.8 mil 70 percent PVDF fluoropolymer color coat, AAMA 620.
   a. Basis of Design: MBCI signature 200

2. Fluoropolymer Two-Coat Corrosion and Abrasion Resistant System: 2.0 mil barrier coat

C. Color:

1. Exterior Surface: As selected by Architect from manufacturer's standard colors.
2. Interior Surface: Manufacturer's standard primer color.

2.5 METAL WALL PANEL ACCESSORIES

A. Metal Wall Panel Accessories, General: Provide complete metal wall panel assembly incorporating trim, copings, fasciae, parapet caps, soffits, sills, inside and outside corners, and miscellaneous flashings. Provide manufacturer's factory-formed clips, shims, flashings, lap tapes, and closure strips for complete installation. Fabricate and install accessories in accordance with SMACNA Manual. Locate joints over supports. Lap panel ends minimum 2 inches. Install a piece of trim metal where panels change colors.

B. Mitered Corners: Structurally-bonded horizontal interior and exterior trimless corners matching metal wall panel material, profile, and factory-applied finish, fabricated and finished by metal wall panel manufacturer.

1. Welded, riveted, fastened, or field- fabricated corners do not meet the requirements of this specification.

C. Formed Flashing and Trim: Match material, thickness, and color of metal wall panel face sheets.

D. Sealants: Type recommended by metal wall panel manufacturer for application, meeting requirements of Division 07 Section "Joint Sealants."

E. Flashing Tape: 4-inch wide self-adhering butyl flashing tape.

F. Fasteners, General: Self-tapping screws, bolts, nuts, and other acceptable fasteners recommended by panel manufacturer. Where exposed fasteners cannot be avoided for miscellaneous applications, supply corrosion-resistant fasteners with heads matching color of metal wall panels by means factory-applied coating.

G. Concealed Clips: Galvanized steel, 0.06 inch/16 ga. nominal thickness, designed to allow unimpeded thermal movement of panel and configured to hold panel minimum 1/2 inch from substrate.

2.6 SECONDARY METAL SUBGIRT FRAMING

A. Miscellaneous Framing Components, General: Cold-formed metallic-coated steel sheet, ASTM A 653/A 653M, G90 (Z180).

1. Hat Channels: 0.06 inch/16 ga. minimum – nominal thickness.
2. Sill Channels: 0.06 inch/16 ga. minimum – nominal thickness.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine metal wall panel substrate with Installer present. Inspect for erection tolerances and other conditions that would adversely affect installation of metal wall panels.

B. Wall Substrate: Confirm that wall substrate is within tolerances acceptable to metal wall panel system manufacturer.

1. Maximum deviations acceptable:
   a. 1/4-inch in 20 feet vertically or horizontally from face plane of framing.
   b. 1/2-inch across building elevation.
   c. 1/8-inch in 5 feet.

C. Framing: Inspect framing that will support metal wall panels to determine if support components are installed as indicated on approved shop drawings. Confirm presence of acceptable framing members at recommended spacing to match installation requirements of metal wall panels.

D. Air/Moisture Barriers: Confirm that work has been completed, inspected, and tested as required.

E. Openings: Verify that window, door, louver and other penetrations match layout on shop drawings.

F. Advise G.C., in writing, of out-of-tolerance work and other deficient conditions prior to proceeding with metal wall panel system installation.

G. Correct out of tolerance work and other deficient conditions prior to proceeding with insulated composite backup panel installation.

3.2 SECONDARY FRAMING INSTALLATION

A. Secondary Metal Framing: Install secondary metal framing components to tolerances indicated, as shown on approved shop drawings. Install secondary metal framing and other metal panel supports per ASTM C 1007 and metal wall panel

manufacturer's recommendations.

3.3 METAL WALL PANEL INSTALLATION

A. General: Install metal wall panels in accordance with approved shop drawings and manufacturer's recommendations. Install metal wall panels in orientation, sizes, and locations indicated. Anchor metal wall panels and other components securely in place. Provide for thermal and structural movement.

B. Attach panels to metal framing using recommended clips, screws, fasteners, sealants, and adhesives indicated on approved shop drawings.

1. Fasteners for Steel Wall Panels: Stainless-steel for exterior locations and locations exposed to moisture; carbon steel for interior use only.
2. Fasten metal wall panels to supports with concealed clips at each joint at location, spacing, and with fasteners recommended by manufacturer. Install clips to supports with self-tapping fasteners.
3. Provide weatherproof escutcheons for pipe and conduit penetrating exterior walls.
4. Dissimilar Materials: Where elements of metal wall panel system will come into contact with dissimilar materials, treat faces and edges in contact with dissimilar materials as recommended by manufacturer.

C. Joint Sealers: Install joint sealants where indicated on approved shop drawings.

3.4 ACCESSORY INSTALLATION

A. General: Install metal wall panel accessories with positive anchorage to building and provide for thermal expansion. Coordinate installation with flashings and other components.

1. Install related flashings and sheet metal trim per requirements of Division 07 Section "Sheet Metal Flashing and Trim."
2. Install components required for a complete metal wall panel assembly, including trim, copings, corners, lap strips, flashings, sealants, fillers, closure strips, and similar items.
3. Comply with performance requirements and manufacturer's written installation instructions.
4. Provide concealed fasteners except where noted on approved shop drawings.
5. Set units true to line and level as indicated.

3.5 FIELD QUALITY CONTROL

A. Manufacturer's Field Service: Engage a service representative authorized by metal wall panel manufacturer to inspect completed installation. Submit written report.

B. Correct deficiencies noted in manufacturer's report.

3.6 CLEANING AND PROTECTION

A. Remove temporary protective films. Clean finished surfaces as recommended by

metal wall panel manufacturer. Clear weep holes and drainage channels of obstructions, dirt, and sealant. Maintain in a clean condition during construction.

B. Replace damaged panels and accessories that cannot be repaired by finish touch-up or minor repair.

END OF SECTION 07 4219

SECTION 11 6623 - GYMNASIUM EQUIPMENT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following gymnasium equipment:

1. Batting cages.

1.3 DEFINITIONS

A. NAGWS: National Association for Girls and Women in Sport.

B. NCAA: National Collegiate Athletic Association.

C. NFHS: National Federation of State High School Associations.

1.4 SUBMITTALS

A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, features, and finishes. Include details of anchors, hardware, and fastenings. If applicable, include assembly, disassembly, and storage instructions.

1. Gymnasium Equipment Operators: Include operating instructions.
2. Motors: Show nameplate data, ratings, characteristics, and mounting arrangements.

B. Shop Drawings: Show location and extent of fully assembled gymnasium equipment. Show location and extent of disassembled equipment and components and transport and storage accessories. Include elevations, sections, and details not shown in Product Data. Show method of field assembly, connections, installation details, mountings, floor inserts, attachments to other Work, operational clearances, and relationship to adjoining work.

1. Blocking and Reinforcement: Show locations of blocking and reinforcement required for support of gymnasium equipment.
2. Setting Drawings: For cast-in floor insert sleeves for post standards.
3. Design Calculations: Signed and sealed by a qualified professional engineer. Calculate requirements for supporting gymnasium equipment and for seismic

restraint. Verify capacity of members and connections to support loads and verify loads, point reactions, and locations for attachment of gymnasium equipment to structure with those indicated on Drawings.

C. Samples for Initial Selection: For each type of gymnasium equipment indicated.

D. Maintenance Data: For gymnasium equipment and gymnasium equipment operator to include in maintenance manuals.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: A qualified installer employing workers trained and approved by manufacturer.

B. Source Limitations: Obtain each type of gymnasium equipment through one source from a single manufacturer.

1.6 PROJECT CONDITIONS

A. Environmental Limitations: Do not install gymnasium equipment until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

B. Field Measurements: Verify position and elevation of floor inserts and layout for gymnasium equipment. Verify dimensions by field measurements.

1.7 COORDINATION

A. Coordinate installation of floor inserts with structural floors and finish flooring installation and with court layout and game lines and markers on finish flooring.

B. Coordinate layout and installation of overhead-supported gymnasium equipment and suspension system components with other construction that penetrates ceilings or is supported by them, including light fixtures, HVAC equipment, fire-suppression-system components, and partition assemblies.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Performance Sports Systems, Inc.
2. Porter Athletic Equipment Co.
3. Draper

2.2 MATERIALS, GENERAL

A. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated; mill finish or decorative, baked-enamel, powder-coat finish.

1. Extruded Bars, Profiles, and Tubes: ASTM B 221 (ASTM B 221M).
2. Cast Aluminum: ASTM B 179.

B. Steel: Comply with the following:

1. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M, hot-dip galvanized.
2. Steel Pipe: Standard-weight steel pipe complying with ASTM A 53.
3. Cold-Formed Steel Tubing: ASTM A 500, Grade A, unless another grade is required by structural loads.
4. Steel Mechanical Tubing: Cold-rolled, electric-resistance-welded carbon or alloy steel tubing complying with ASTM A 513 or steel tubing fabricated from steel complying with ASTM A 569/A 569M and complying with the dimensional tolerances in ASTM A 500.
5. Malleable-Iron Castings: ASTM A 47 (ASTM A 47M), grade required by structural loads.
6. Support Cable: 1/4-inch- (6-mm-) diameter, 7x19 galvanized steel aircraft cable with a breaking strength of 7000 lb (3175 kg). Provide fittings complying with cable manufacturer's written recommendations for size, number, and method of installation.
7. Support Chain: Proof coil chain, complying with ASTM A 413/A 413M, Grade 30, size and diameter as required by structural loads; plated or painted. Provide fittings complying with chain manufacturer's written recommendations for size, number, and method of installation.

C. Particleboard: ANSI A208.1.

D. Wood-Based, Structural-Use Panels: Comply with DOC PS 2; for plywood, comply with DOC PS 1.

E. Anchors, Fasteners, Fittings and Hardware: Manufacturer's standard corrosion-resistant or noncorrodible units; concealed tamperproof, vandal and theft resistant. Provide as required for gymnasium equipment assembly, mounting, and secure attachment.

F. Nonshrink, Nonmetallic Grout: Premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107 with minimum strength recommended in writing by gymnasium equipment manufacturer.

2.3 BATTING CAGES

A. Size of cage to be 13'-0" high x 12'-0" wide x 70'-0" in length. The four sides and top of cage shall be 3/4" square, knotless nylon mesh netting (#420 twine). Color of netting to be black. A webbing style binding shall be sewn into the perimeter of each section of netting. A vinyl pocket shall be sewn into the bottom of each net side section. Two zippered entrances shall be provided on opposite corners of the cage. Supporting frames (12' x 70') of cage to be constructed of 1-7/8" O.D. heavy-wall electro-plated tubing with cross spreaders located at 14'-0" centers. Tee fittings shall be provided at each tubing junction. Cable pulley/webbing support assemblies (12) shall be located above cage frame longitudinal sections at 14’-0” centers. Adjustable frame stop collar assemblies shall be provided for securing 2” polyester webbing D-ring straps (12) to supporting frame, allowing for proper support and leveling of frame assembly. Hoist cables (14) routed through D-rings sewn into the webbing assemblies and through rings attached to the outside of the net shall be of 1/8" diameter, vandal-proof galvanized cable (2,100 lb. breaking strength each cable). For compact storage, the cage net and frame shall be automatically raised in close proximity to the support structure level eliminating the requirement of manually placing the four sides of netting on top of the frame. Upper ends of hoist cables shall terminate into individual hoist drums (14) positioned on continuous 2-3/8" O.D. tube line shaft arrangement. Line shaft shall turn in special support assemblies (6); each equipped with two 3" diameter phenolic wheel rollers. Support assemblies shall be secured to structural roof framing supports by means of threaded rods, to provide structural integrity and accommodate all slopes or building camber. Tee fittings and hoist drums shall be finished in a durable gray powder-coated finish. Provide Porter winch system.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for play court layout, alignment of mounting substrates, installation tolerances, operational clearances, and other conditions affecting performance.

1. Verify critical dimensions.
2. Examine supporting structure and below finished floor for subgrades, subfloors and footings.
3. Examine wall assemblies, where reinforced to receive anchors and fasteners, to verify that locations of concealed reinforcements have been clearly marked for installers. Locate reinforcements and mark locations if not already done.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

A. General: Comply with manufacturer's written installation instructions and competition rules indicated for each type of gymnasium equipment. Complete equipment field assembly, where required.

B. Unless otherwise indicated, install gymnasium equipment after other finishing operations, including painting, have been completed.

C. Permanently Placed Gymnasium Equipment and Components: Rigid, level, plumb, square, and true; anchored securely to supporting structure; positioned at locations and elevations indicated on Shop Drawings; in proper relation to adjacent construction; and aligned with court layout.

1. Floor Insert Location: Coordinate location with application of game lines and markers.
2. Floor Insert Elevation: Coordinate installed heights of floor insert with installation and field finishing of finish flooring and type of floor plate.
3. Operating Gymnasium Equipment: Verify clearances for movable components of gymnasium equipment throughout entire range of operation and for access to operating components.

D. Floor Insert Setting: Grout sleeve for post standards in oversized, recessed voids in concrete slabs and footings. Clean holes of debris. Position sleeve and fill void around sleeves with grout, mixed and placed to comply with grout manufacturer's written instructions. Protect portion of sleeve above subfloor and footing from splatter. Verify that sleeves are set plumb, aligned, and at correct height and spacing; hold in position during placement and finishing operations until grout is sufficiently cured. Set insert so top surface of completed unit is flush with finished flooring surface.

E. Anchoring to In-Place Construction: Use anchors and fasteners where necessary for securing built-in and permanently placed gymnasium equipment to structural support and for properly transferring load to in-place construction.

F. Portable Gymnasium Equipment and Components: Assemble in place to verify that equipment and components are complete and in proper working order. Instruct Owner's designated personnel in properly handling, assembling, adjusting, disassembling, transporting, storing, and maintaining units. Disassemble portable gymnasium equipment after assembled configuration has been approved by Architect, and store units in location indicated on Drawings.

3.3 ADJUSTING

A. Adjust movable components of gymnasium equipment to operate safely, smoothly, easily, and quietly, free from binding, warp, distortion, nonalignment, misplacement,

disruption, or malfunction, throughout entire operational range. Lubricate hardware and moving parts.

3.4 CLEANING AND PROTECTION

A. After completing gymnasium equipment installation, inspect components. Remove spots, dirt, and debris and touch up damaged shop-applied finishes according to manufacturer's written instructions.

B. Provide final protection and maintain conditions acceptable to manufacturer and Installer that ensure gymnasium equipment is without damage or deterioration at time of Substantial Completion.

C. Replace gymnasium equipment and finishes that cannot be cleaned and repaired, in a manner approved by Architect, before time of Substantial Completion.

3.5 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain gymnasium equipment. Refer to Division 01 Section "Demonstration and Training".

END OF SECTION 11 6623

SECTION 12 3616 – STAINLESS STEEL FABRICATIONS

PART 1 - GENERAL REQUIREMENTS

1.01 DESCRIPTION OF WORK

A. Provide stainless steel counter tops in agriculture and other items indicated on the drawings.

1.02 SUBMITTALS

A. Shop Drawings:
   1. Submit shop drawings for items of custom fabrication included in this contract. Shop drawings are to be submitted at ¾" and/or 1-1/2" scale and are to show dimensions, materials, details of construction, installation and relation of adjoining work requiring cutting or close fitting. Shop drawings are to also indicate reinforcements, anchorage and related work required for the complete installation of fixtures.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Metals:
   1. Stainless steel shall be type 304/302, extra low carbon, nonmagnetic, austenitic, corrosion-resisting alloy steel. Composition to be minimum of 18% chromium, minimum 8% nickel and maximum 0.2% carbon. Mill finish of not less than 150 grit on one side and not less than 80 grit on the backside. All stainless steel sheets shall bear manufacturer trademark, designation of type and heat number and shall be stretcher leveled.

2.02 QUALITY ASSURANCE

A. It is required that all fabricated equipment described in specifications and designated on drawings shall be manufactured by one equipment manufacturer which has engineering personnel and plant facilities to design, detail and fabricate the highest quality equipment in strict compliance with appropriate standards of National Sanitation Foundation.
B. All exposed surfaces shall be free from bolt, screw and rivet heads. When bolts are required they shall be of concealed type and be of similar composition as the metal to which they are applied. Where bolt or screw threads on the interior of fixtures are visible or may come in contact with heads or wiping cloth they must be capped with a stainless steel acorn nut with a stainless steel lock washer.
C. Where screw threads are not visible or readily accessible, they may be capped with a standard lock washer and steel nut treated to prevent rusting or corroding. Where bolts or screws are welded to the underside of trim or tops, the reverse side of the weld shall be neatly finished uniform with the adjoining surface of the trim or the top. Depressions at these points will not be acceptable. Rivets shall not be used as a method of fastening in any location.

D. All welds, bolts, screws, nuts, washers, and rivets shall be steel except where brass or stainless steel is fastened, in which case they shall be brass or stainless steel respectively. Where dissimilar metals are fastened, the fastenings shall be of higher grade metal. Spacing and extend of welds, bolts, screws and rivets shall insure suitable fastenings and prevent bulging of metals fastened.
E. All exposed, welded joints shall be suitably ground flush with adjoining material and neatly finished to harmonize therewith. Wherever material has been sunken or depressed by welding operation, such depressions shall be suitable hammered and peened flush with the adjoining surface and, if necessary, again ground to eliminate low spots. In all cases the grain of rough grinding shall be removed by successive fine polishing operations. All stainless steel shall have a No. 4 finish on all exposed surfaces and a No. 2 finish on all concealed surfaces.
F. All unexposed welded joints on undershelves of tables or counters in stainless steel construction shall be suitable coated at the factory by means of metallic base point to prevent possible corrosion at such locations.
G. Final Polishing: At the completion of the installation work, all stainless steel shall be gone over with a portable polishing machine and buffed to perfect surfaces. All painted surface shall be carefully gone over and retouched as required.

2.03 FABRICATED PRODUCTS

A. General Fabrication Requirements:
   1. Except as otherwise indicated, provide framing of minimum 1” pipe-size round pipe or tube members, with mitered and welded joints and gusset plates, ground smooth. Provide 14 gauge stainless steel tube for exposed framing, and galvanized steel pipe for concealed framing.
   2. Reinforce metal at locations of hardware, anchorages and accessory attachments wherever metal is less than 14 gauge, or requires mortised application. Conceal reinforcements to the greatest extent possible. Weld in place, on concealed faces.
   3. Provide removable panels for access to mechanical and electrical service connections, which are concealed behind or within foodservice equipment, buy only where access is not possible and not indicated through other work.
   4. Where ends of fixtures, splashbacks, shelves, etc., are open, fill by forming the metal or welding sections, if necessary, to close entire opening flush to walls or adjoining fixtures.
   5. Rolled edges are to be as detailed, with corners bullnosed, ground and polished.
   6. Equipment to have ¾” or larger radius coves in horizontal and vertical corners, and intersections, per N.S.F. standards.
B. Metal & Gauges:
   1. Except as otherwise indicated, fabricate exposed metalwork of stainless steel; and fabricate the following components from the gauge of metal indicated, and other components from not less than 20 gauge metal:
      a. Table & counter tops: 14 gauge
      b. Shelves: 16 gauge
C. Worktable Tops:
   1. Construct worktable of 14 gauge stainless steel, one-piece, welded construction, including field joints.
   2. Secure to a full perimeter, 4”x1”x 12 gauge, galvanized steel channel frame with channel running front to back at each leg. Two (2) channels lengthwise on

worktables up to 30” wide and channels spaced no more than 18” on center for over 30” wide. Fasten top with stud bolts and combination of zinc plated locknut with rubber seal.

3. Where worktables abut wall or other equipment, backsplash or sidesplashes shall be 6” high, with return to wall of 1” and turn down of 1”, unless otherwise specified. Secure backsplash to wall with “Z” clips and enclosed all exposed ends.

D. Shelves:
1. Construct solid shelves under pipe base tables of 16 gauge stainless steel, with 1-1/2” turned down and back ½” at 45 degree angle on exposed sides, and 2” turn up against walls or equipment. Fully weld to pipe legs at 10” above finished floor.
2. In fixtures with enclosed bases, turn up shelves on back and sides with ¼” (minimum) radius and feather slightly to ensure a tight fit to enclosure panels.
3. Construct wall shelves of 14 gauge stainless steel, with 1-1/2” turned down and back at 45 degree angle on exposed sides, and 1-1/2” turn up against walls or equipment. Support wall shelves with 14 gauge stainless steel triangle brackets secured to wall with stainless steel fasteners.

E. Workmanship:
1. Best quality in the trade. Field verify dimensions before fabricating; conform all items to dimensions of building; neatly fit around pipes, offsets and other obstructions.
2. Fabricate only in accordance with approved shop drawings, showing pipes, obstructions to be built around, and location of utilities and services.

PART 3 - EXECUTION

3.01 SITE EXAMINATION

A. Verify site conditions under the provisions of the General Conditions, Supplementary Conditions and applicable provisions of Division 1 Sections. Notify the Architect, in writing, of unsatisfactory conditions for proper installation of foodservice equipment.
B. Verify wall, column, door, window, and ceiling locations and dimensions. Fabrication and installation should not proceed until dimensions and conditions have been verified and coordinated with fabrication details.
C. Verify that wall reinforcement or backing has been provided, and is correct for wall supported equipment. Coordinate placement dimensions with wall construction section.
D. Verify that ventilation ducts are of the correct characteristics, and in the required locations.
E. Verify that utilities are available, of the correct characteristics, and in the required locations.

3.02 INSTALLATION

A. Sequence installation and erection to ensure correct mechanical and electrical utility connections are achieved.
B. Install items in accordance with manufacturer’s instructions.

C. Set each item of non-mobile and non-portable equipment securely in place, leveled and adjusted to correct height. Anchor to supporting substrate where indicated, and where required for sustained operation and use without shifting or dislocation. Conceal anchorages wherever possible. Adjust counter tops and other work surfaces to a level tolerance of 1/16" (maximum offset, and plus or minus on dimension, and maximum variation in 24" run from level or indicated slope). Provide anchors, supports, bracing, clips, attachments, etc., as required to comply with the local seismic restraint requirements. The Guidelines For Seismic Restraint Of Kitchen Equipment, as prepared for the Sheet Metal Industry Fund of Los Angeles and endorsed by S.M.A.C.N.A., is to be followed.
D. Complete field assembly joints in the work (joints which cannot be completed in the shop) by welding, bolting-and-gasketing, or similar methods as indicated and specified. Grind welds smooth and restore finish. Set or trim flush, except for "T" gaskets as indicated.
E. Provide closure plates and strips where required, with joints coordinated with units of equipment.
F. Provide sealants and gaskets all around each unit to make joints airtight, waterproof, vermin-proof, and sanitary for cleaning purposes.
G. Joints up to 3/8" wide, to be stuffed with backer rod, to shape sealant bead properly, at ¼" depth.
H. At internal corner joints, apply sealant or gaskets to form a sanitary cover, of not less than 3/8" radius.
I. Shape exposed surfaces of sealant slightly concave, with edges flush with faces of materials at joint.
J. Provide sealant filled or gasketed joints up to 3/8" joint width. Wider than 3/8", provide matching metal closure strips, with sealant application each side of strips. Anchor gaskets mechanically, or with adhesives to prevent displacement.
K. Treat enclosed spaces, inaccessible after equipment installation, by covering horizontal surfaces with powdered borax at a rate of 4 ounces per square foot.
L. Insulate to prevent electrolysis between dissimilar metals.
M. Cut and drill components for service outlets, fixtures, piping, conduit, and fittings.
N. Verify and coordinate the mounting heights of all wall shelves and equipment, with equipment located below them, for proper clearances.

3.03 ADJUSTING

A. Test and adjust equipment, controls and safety devices to ensure proper working order and conditions.
B. Repair or replace equipment which is found to be defective in its operation, including units which are below capacity or operating with excessive noise or vibration.

3.04 CLEANING AND RESTORING FINISHES

A. After completion of installation, and completion of other major work in foodservice areas, remove protective coverings and clean foodservice equipment, internally and externally.
B. Restore exposed and semi-exposed finishes, to remove abrasions and other damages; polish exposed metal surfaces and touch-up painted surfaces. Replace work, which cannot be successfully restored.
C. Polish glass, plastic, hardware and accessories, fixtures and fittings.

D. Wash and clean equipment, and leave in a condition ready for the Owner to sanitize and use.

END OF SECTION 12 3616

SECTION 13 34 16

PERMANENT I-BEAM STYLE GRANDSTAND

PART 1 - GENERAL

1.1 GENERAL

A. Drawings and general provisions of the contract, including General and Supplementary Conditions and Division 1 - Specification sections, apply to work of this section.

1.2 SCOPE

A. These Specifications cover the requirements for the design, fabrication, delivery and installation of the permanent I-beam style grandstand system, including the following:

1. Concrete foundations
2. Structural steel framed understructure
3. Aluminum treads and risers
4. Aluminum Aisle steps
5. Guardrails and handrails
6. Seating
7. Ramps, stairs and landings
8. Vertical closure
9. Grandstand finishes

1.3 RELATED SECTIONS AND DOCUMENTS

A. Concrete – Division 3

B. Stadium Seating – Division 12

C. Pressbox – Division 13

1.4 CODES AND STANDARDS

A. Perform all work in accordance with the latest editions and revisions of the following standards, which hereby become part of this section.

1. ICC 300 – Standard for Bleachers, Folding and Telescopic Seating and Grandstands
2. International Building Code, Edition 2018
3. Local Building Code Amendments
4. AWS D1.1 – Structural Welding Code – Steel
5. AWS D1.2 – Structural Welding Code – Aluminum
6. AISC 360 – Specification for Structural Steel Buildings
7. Aluminum Design Manual (ADM), 2015
8. ACI 318 - Building Code Requirements for Structural Concrete
9. American Galvanizers Association (AGA)

10. The Society for Protective Coatings (SSPC)

1.5 GRANDSTAND CONTRACTOR QUALIFICATIONS

A. Manufacturer/Fabricator Qualifications:

1. Experience: Manufacturer/fabricator with not less than 10 years experience with successful production of products and systems to the specified scope of Work, with a record of successful in-service performance and completion of similar projects for a period of not less than 10 years, and with sufficient production capability, facilities, and personnel to produce required Work.

2. Approved manufacturer:

a) Dant Clayton Corporation – Louisville, KY
b) Southern Bleacher Company
c) E&D Specialty Stands

3. Manufacturer/fabricator shall be an AISC Certified Fabricator.

B. Installer Qualifications:

1. Experience: Installer with not less than 5 years experience in performing specified scope of Work, with a record of successful in-service performance and completion of projects for a period of not less than 2 years, and with sufficient production capability, facilities, and personnel to produce required Work.
2. Manufacturer/Fabricator Acceptance: Installer shall be certified, approved, licensed, or acceptable to manufacturer/fabricator to install products.

C. Delegated Engineering Responsibility: Contractor shall employ a qualified professional engineer licensed in the state where the project is located to provide engineering for products and systems as required.

1.6 PERFORMANCE REQUIREMENTS

A. Design Loads: Engineer to withstand design loads including but not limited to gravity, wind, seismic, and erection design loads and shrinkage/thermal movements as established by authorities having jurisdiction, applicable local building codes, and as indicated.

1.	Superimposed Dead Load	6 psf
2.	Live Load	100 psf
3.	Sway Load	24 plf per row parallel to row
4.	Sway Load	10 plf per row perpendicular to row
5.	Wind Load	Design per local building code
6.	Seismic Load	Design per local building code
7.	Guardrail Loads	Design per local code

B. Grandstand System Self Weight: Self-weight of the grandstand system shall be incorporated into the project calculations for both foundations and framing.

C. Structural Deflections: Limit live load deflections of aluminum footboards, aluminum seatboards and structural steel framing and any other flexural members to L/200 of the span.

D. Structural Drift: Limit the horizontal frame drift of the grandstand system to H/200 of the frame height under sway, wind and seismic loads.

E. Dimensional Tolerances: Engineer and detail products, systems and connections back to primary structural elements to accommodate fabrication tolerances and dimensional tolerances of framing members and adjacent construction.

1.7 SUBMITTALS

A. Approval Drawings: Submit for review detailed approval drawings as follows:

1. Drawings shall include at a minimum:

a) All dead, live and other applicable loads used in the design.
b) Detailed and dimensioned foundation, framing, layout, and seating plans.
c) Foundation sizes, locations and elevations shall be shown in compliance with surrounding Work and relationships to finish grade.
d) Seating plan indicating all aisles, walkways, seating sections and exits.
e) Sections and details showing complete methods of assembly and anchorage:

i. Show riser heights and platform widths
ii. Show stair and ramp sections including railings
iii. Show overall sections showing railings systems, sightlines (when required by scope)

f) Connection details showing size, type, and grade of all plates, bearings, inserts and anchors.
g) Finishes.
h) Joint covers.

2. All approval drawings submitted shall be sealed by a professional engineer who is licensed in the state where the project is located.

3. Equipment Hung From Seating Units: No pipe, ducts or other equipment shall be hung from the seating units without written approval of the Delegated Design Engineer. Coordinate all attachment methods and fastener types with the Delegated Design Engineer to ensure they are suitable for the selected system.

B. Delegated Design Engineering Calculations: Calculations submittal for products indicated to demonstrate conformance with specified design loads, element stiffness and performance requirements including structural analysis data signed and sealed by the professional engineer responsible for their preparation licensed in the state where the project is located.

C. Qualification Data: For firms and persons specified in "Quality Assurance" to demonstrate their capabilities, experience and qualifications. Submit for record lists of completed projects with project names and addresses, names and addresses of Architects and Owners, and other information specified

1. Manufacturer qualifications
2. Professional Engineer qualifications

D. Samples for Verification: For each type of exposed material, color, finish and texture.

E. Warranty: Sample of standard warranty.

1.8 DELIVERY, STORAGE AND HANDLING

A. Delivery: Deliver grandstand components in such quantities and at such times to sufficient for construction activities to occur without delay.

B. Storage: Store components with adequate dunnage.

C. Handling: Handle and transport components in a position consistent with their shape and design to avoid excessive stresses which would cause damage.

1.9 QUALITY CONTROL BY CONTRACTOR

A. For grandstand members furnished under this Section, quality control inspection and testing shall occur during the manufacture of the components, and the components are subject to the approval of the engineered seating bowl supplier's Quality Control Manager.

B. Plant Quality Control: Provide copies of plant quality control program describing procedures for the following:

1. Overall quality control measures
2. Verifying sizes and critical dimensions of members.
3. Verifying position of plates, inserts, and other embedded items.
4. Final inspecting of products prior to shipment.
5. AISC certification

1.10 WARRANTY

A. Special Warranty: Manufacturer’s standard 1-year warranty is required in which manufacturer agrees to repair finish or replace components that fail in materials or workmanship within specified warranty period.

PART 2 - PRODUCTS

2.1 PERMANENT I-BEAM GRANDSTAND SYSTEM COMPONENTS

A. Single Source Responsibility: Furnish each type of product from a single manufacturer/fabricator. Provide secondary materials only as recommended by manufacturer/fabricator of primary materials.

B. Basis of Design: The design for permanent I-beam grandstand is based on a system designed and engineered by Dant Clayton.

C. Concrete Foundations and Slabs: Design concrete foundations where shown on drawings in accordance with the project Geotechnical Investigation (provided by others).

1. Foundations shall meet frost depth requirements.
2. All design, detailing, fabrication and installation shall be in accordance with ACI 318.
3. Cast-in-place concrete shall have a minimum compressive strength of 4,500 psi with air entrainment of 6% +/- 1%.
4. All reinforcing steel shall be in accordance with ASTM A615 with a minimum yield strength of 60,000 psi.

D. Structural Steel Framing

1. All detailing, fabrication, and erection shall be in accordance with the AISC Specification for Structural Steel Buildings.
2. All fabrication will be completed in a certified AISC facility.
3. Structural steel shall be ASTM A992 multi-certified grade 50.
4. Miscellaneous steel shall be ASTM A36.
5. Structural tubes shall be ASTM A500 grade B or C.
6. Bolts and nuts: All bolts 5/8-inch diameter and larger shall meet ASTM F3125 grade A325; ½-inch diameter and smaller shall meet ASTM A307.
7. Washers shall meet ASTM F436.
8. Threaded rod shall be ASTM A36 or F1554 if used for anchorage to concrete.
9. All welds shall conform to ANSI/AWS D1.1, latest edition. Electrodes shall be E70XX.

E. Aluminum: Provide aluminum components at locations as shown on drawings, noted below and in compliance with the following:

1. All detailing, fabrication, and erection shall be in accordance with the code required edition of the Aluminum Design Manual.

F. Welded Aluminum Tread and Riser System

1. Fully closed and welded deck system using 6063-T6 extruded aluminum with continuously welded tongue and groove joints.
2. The decking system has two components as follows:

a) The first component is a one-piece welded deck panel constructed by welding multiple aluminum extensions together in the factory utilizing a fully automated, computer controlled, multi-head welding machine. The welding machine will weld all extrusions together in a single pass with .040” diameter 4043 weld wire using Orlion Gas to insure uniform shape, dimension and appearance.
b) The decking system is attached by concealed clips and galvanized hardware.

c) The decking extrusions are 1.75” vertically with a .078” wall thickness and are interlocked horizontally prior to welding using a tongue and groove connection.
d) Finished welded decking will be free of irregular welds and pin holes in aluminum decking due to poor workmanship of welding process. Components that contain irregular welds and pin holes will be rejected and replaced.
e) The second component is a vertical interlocking flat aluminum riser that attaches to female nose of tread, rotates down into position and overlaps the rear heel of tread below and is secured with a mechanical screw fastener.

3. The decking system will span approximately 6 ft over supporting structure.
4. There will be a ½” gap at joint of the welded deck panels to allow for expansion and construction of the aluminum due to temperature variations.
5. The joint of the deck system is covered with a 4” wide aluminum extrusion joint cover (see Joints).
The ends of the decking system will be finished with a one-piece aluminum angle end cap (see End Caps).

G. Aisle Steps

1. Aisle step units are to be provided at all intermediate aisle locations as shown on the architectural drawings and be made from 1.75” aluminum extrusions and plate material.
2. Aisle step units shall be mounted to the stadia system with pop rivets or galvanized hardware.
3. Aisle steps will be designed to satisfy row depth with vertical closure panels at the ends of the intermediate steps. No cavity or recessed closure is allowed in area of foot travel.
4. Provide a finish and texture matching that of the stadia tread and riser system to which they are installed. See Finishes.
5. Provide stair nosing at steps and treads.
6. Shall be designed to resist loads imposed from any step mounted rails.

H. Guardrail & Handrail System

1. Chain Link Fence Guardrail System:

a) Vertical guardrail structural supports shall be aluminum rectangular tube 2.8” x 2.0 x .1888” or aluminum angle of equivalent strength and shall be 6061-T6 alloy. Guardrail shall have structural support on each leg of the fencing at all 90 degree turns. Steel angle supports do not meet this requirement and are not acceptable.
b) Guardrail horizontal and vertical framing members will be 1 5/8” O.D. aluminum pipe.
c) Chain link fence shall be 2” x 6 ga black vinyl coated fabric
d) Vertical guardrail supports will have cast aluminum safety end caps on top and bottom.

2. Guardian Vertical Picket Rail Guardrail System

a) Vertical guardrail support post shall be square structural steel tube HSS2x2x3/16 (min) using ASTM A500 Gr B material. Guardrail shall have structural support on each leg of the fencing at all turns.
b) Infill panels shall bolt to the vertical post with top and bottom rails of 1 ½" structural steel channels with ½" structural steel balusters spaced at no more than 4" c/c.

3. Handrail System

a) Aluminum handrails shall be provided in all areas required by building code and as indicated on the architectural drawings at all locations of new aluminum stadia treads and risers.
b) Handrails shall be 1 15/16" O.D. extruded aluminum pipe. Straight pipe shall be 6061-T6 aluminum alloy with minimum yield strength of 35 ksi. Bent pipe shall be 6061-T4 aluminum alloy with minimum yield strength of 21 ksi.
c) Aisle handrails shall be two-line and feature internal fittings for both lines of rail. External fittings are not permitted.
d) Aisle handrails shall be mounted to the aisle steps with connecting bracket or floor flange.
e) Handrails on all ramps and stairs shall provide 1-1/2" clearance from the guardrail material and shall extend 12" past the last riser with a return. Newel posts will not interrupt handrails. Handrails will not project more than 4.5" into the width of a stair or ramp.

I. Seating

1. Aluminum Bench Seats:

a) Aluminum bench seats shall be 6063-T6 extruded aluminum with a fluted surface and a minimum of 4 vertical legs making up the extrusion.
b) The exact size of seat board is 2" x 10" x .080" wall thickened at the joints and weighing 1.9 lbs. per foot with 1" radius comfort curve front edge.
c) Aluminum shall be cleaned, pre-treated and clear anodized (unless otherwise noted in Finishes).

2. Mounting Brackets:

a) Made from 3/16" thick (min) A36 steel plate, plasma cut, bent and hot dip galvanized.

J. Stairs

1. Stairs are constructed of structural steel understructure and aluminum tread and riser system
2. Structural understructure consists of C12x10.6 steel channels for outside stringer assemblies, L3x3x1/4 steel support legs at locations identified on plans, and FL1/4x2 steel flat strap x-bracing between support legs where indicated on plans

3. Aluminum treads are 1 ¾" x 11" 6063-T6 extruded aluminum planks spaced equally between landings with a maximum of a 7" rise
4. Interlocking flat aluminum riser will attach to female nose of tread, rotate down into position and overlap rear heel of tread below and secured with mechanical screw fastener.
5. Handrail will be inset from guardrail 1½" to 3". Guardrail will not be used for handrail.
6. Guardrailing to match grandstand design unless otherwise noted.
7. Provide stair nosing at steps and treads.

K. Ramps

1. Frames shall be 9" x 1.40 extruded aluminum mill finish channel with 3" x 1.4" extruded aluminum mill finish vertical channel columns.
2. Treads shall be 6063-T6 extruded aluminum with a fluted surface and a minimum wall thickness of .078". Minimum vertical height of treads shall be 1.75" actual.
3. Handrail will be inset from guardrail 1½" to 3". Guardrail will not be used for handrail.
4. Guardrailing to match grandstand design unless otherwise noted.
5. Anti-skid tape is not allowable to correct for deviations to paragraph 4 above.

L. End Caps

1. Walkways, footboards and aisle board end caps shall be one-piece mill finish aluminum angle design tumbled after fabrication to remove burrs and sharp edges. End caps shall be riveted to the planks.
2. Seat board end caps shall be one-piece cast aluminum and shall be friction –fit to the plank without the use of mechanical fasteners. Plastic end caps are not permitted.
3. CLF Guardrail posts shall be covered with cast aluminum top and bottom safety caps.

M. Vertical Closure System

1. Corrugated Aluminum Riser

   a) Riser closure shall consist of an overlapping configuration of 8" x 0.100" wall thickness 6063-T6 aluminum extrusions, with a 1" forward facing corrugation.
   b) Riser overlap shall be ½" min. and 2" max.
   c) Riser closure to span between rail post spaced at 6'-0" c/c.
   d) Aluminum top cap to be provided where gaps are created between top of closure and decking walking surface.
   e) Closure to be attached to rail post with stainless steel mechanical screws.

N. Joints: Unless shown otherwise on the drawings, provide joint widths as follows:

1. Joints at member ends abutting walls: ¾"
2. Joint width between ends of adjacent seating units: ¾"

3. Joints shall be concealed with an aluminum joint cover specified by the manufacturer.

O. Finishes

1. Structural Steel:

a) All structural steel framing shall be hot dip galvanized in accordance with ASTM A123.
b) All structural hardware shall be hot dip galvanized in accordance with ASTM F2329.
c) All structural steel brackets and fasteners shall be hot dip galvanized in accordance with ASTM A123.

2. Aluminum:

a) Aluminum Finish Descriptions:

i. Mill Finish: natural appearance of the aluminum as it comes from the rolling mill with no further surface treatment.
ii. Anodized Finish: Anodized aluminum provided shall meet or exceed AAMA 611-14 specifications for Anodized Architectural Aluminum
iii. Powder Coat Finish: Powder coat system provided shall meet or exceed AAMA 2604 specification for Super Durable Polyester TGIC
iv. Slip Resistant Deck – SRD: Mill finish aluminum that has a sandblasted walking surface to meet the textured finish noted below
v. Stain and Slip Resistant Deck – SSRD: Powder coat and textured finish meeting the textured finish noted below, and the powder coat finish above

b) Footboards and Walkways

i. SSRD

(1) Slip Resistance of Walking Surfaces:
(2) All stadia system walking surfaces will provide an equivalent or greater Static Coefficient of Friction (SCOF) of 0.6 in all directions of travel, using ANSI/NFSI B101.1-2009 testing method by the National Floor Safety Institute.

c) Risers

i. Anodized

d) Seat boards

i. Anodized

e) Vertical Closure

i. Anodized

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas and conditions with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the work

B. Before installation proceeds, installer shall prepare written report, endorsed by installer, listing conditions detrimental to performance of the work. This includes survey of elevations and locations of concrete foundations or pads and anchor bolts to verify compliance with the requirements of the grandstand manufacturers' specified tolerances.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install grandstand and all components according to manufacturer's written instruction and the approved shop drawings.

B. Do no field cut, drill or alter structural members without written approval from grandstand system manufacturers' engineer.

C. Set structural framing in locations and to elevations indicated and according to AISC specifications.

3.3 CLEANING

A. Clean all surfaces according to manufacturer's recommendations.

B. Use cleaning solutions and methods that do not damage finishes or the adjacent surfaces.

C. Mill finish aluminum surfaces are unprotected from oxidation. All mill finished aluminum will oxidize at various rates during the manufacturing, shipping, installation and usage of the grandstand as it is exposed to various weather conditions. Oxidation is natural and expected, and in no way impacts the life cycle or structural performance of the grandstand. Grandstand manufacturer is not responsible for repair, replacement or cleaning of oxidized aluminum.

D. Remove all metal burrs, sharp edges or other cutting, unsafe, conditions.

E. Touch up finishes as recommended by manufacture.

END OF SECTION

SECTION 13 34 17

Dant Clayton Press Box Type 1 (V-B)

PART 1 - GENERAL

1.1 GENERAL

A. Drawings and general provisions of the contract, including General and Supplementary Conditions and Division 1 - Specification sections, apply to work of this section.

1.2 SCOPE

A. Furnish a prefabricated, modular press box equal to that provided by Dant Clayton Corporation, Louisville Kentucky

1.3 RELATED SECTIONS AND DOCUMENTS

A. Permanent I-Beam Style Grandstand - Section 13 34 16

1.4 CODES AND STANDARDS

Perform all work in accordance with the latest editions and revisions of the following standards, which hereby become part of this section.

1. ICC 300 – Standard for Bleachers, Folding and Telescopic Seating and Grandstands
2. International Building Code, Edition 2021
3. National Electric Code, Edition 2020
4. International Mechanical Code, Edition 2021
5. International Energy Conservation Code, Edition 2017
6. Local Building Code Amendments, Indiana

1.5 PRESS BOX CONTRACTOR QUALIFICATIONS

A. Manufacturer/Fabricator Qualifications:

1. Experience: Manufacturer/fabricator with not less than 20 years' experience with successful production of products and systems to the specified scope of Work, with a record of successful in-service performance and completion of similar projects for a period of not less than 20 years, and with sufficient production capability, facilities, and personnel to produce required Work.

2. Approved manufacturer

a) Dant Clayton Corporation – Louisville, KY
b) Southern Bleacher Company
c) E&D Specialty Stands

B. Installer Qualifications:

1. Experience: Installer with not less than 5 years' experience in performing specified scope of Work, with a record of successful in-service performance and completion of projects for a period of not less than 2 years, and with sufficient production capability, facilities, and personnel to produce required Work.
2. Manufacturer/Fabricator Acceptance: Installer shall be certified, approved, licensed, or acceptable to manufacturer/fabricator to install products.

C. Delegated Engineering Professional Qualifications: Professional engineer legally authorized to practice in jurisdiction where Project is located and experienced in providing engineering services of kind indicated that have resulted in installations similar to this Project, and that has a record of successful in-service performance.

D. Delegated Engineering Responsibility: Contractor shall employ a qualified professional engineer licensed in the state where the project is located to provide engineering for products and systems as required to meet design intent of Contract Documents including, but not limited to, the following:

1. Preparation of structural analysis data including engineering calculations, shop drawings, and other submittals signed and sealed by the qualified professional engineer responsible for their preparation.
2. Comprehensive engineering analysis indicating governing unit types, connections, unit thicknesses and including any special details or conditions.
3. Location, type, magnitude, and direction of loads imposed on the building structural frame from units.

1.6 PERFORMANCE REQUIREMENTS

A. General Performance: Engineer press box to withstand loads within limits of allowable working stresses of the materials involved under conditions indicated and without permanent deformation or failure of materials.

B. Design Loads: Engineer to withstand design loads including but not limited to gravity, wind, seismic, and erection design loads and shrinkage/thermal movements as established by authorities having jurisdiction, applicable local building codes, and as indicated.

1.	Roof Dead Load	10 psf
2.	Floor Dead Load	10 psf
3.	Roof Live Load	20 psf
4.	Floor Live Load	50 psf
5.	Wind Load	Design per local building code
6.	Seismic Load	Design per local building code
7.	Snow Load	Design per local building code
8.	Guardrail Loads	Design per local building code

C. Pressbox System Self Weight: Self-weight of the pressbox shall be incorporated into the project calculations for both supporting structure and foundations. Coordinate support with 13 34 16 specifications.

D. Structural Drift: Limit the horizontal frame drift of the pressbox to H/200 of the height under wind and seismic loads.

E. Dimensional Tolerances: Engineer and detail products, systems, and connections back to primary structural elements to accommodate fabrication tolerances and dimensional tolerances of framing members and adjacent construction.

F. Engineer pressbox for travel from point of fabrication and for installation. Pick points and loads required for crane strapping shall be clearly noted on the drawings.

1.7 SUBMITTALS

A. Bidders with any deviation from the specifications must comply with the following requirements seven (7) days prior to the bid opening. Include manufacturer/fabricator's specifications for materials, finishes, construction details, installation instructions, and recommendations for maintenance.

1. Plan view and wall section showing complete detail of layout, connection, and trim detail.
2. Schedule of Work Experience, including names of contacts and phone numbers; 10 jobs minimum within the last five (5) years.
3. List of three (3) similar jobs within the past two (2) years – should owners (3 persons maximum) request a site visitation to these jobs, it will be at the bidder’s expense.
4. Resume including Corporate Officers, Sales Representatives, Technical Advisor, Project Manager, and Job site Superintendent.
5. Project schedule, including phasing with other trades and designation for all tasks, milestone dates for drawing submittal, fabrication time, key material delivery dates and designated dates of installation.
6. Shop drawings stamped and signed by a Professional Engineer licensed in the state of installation.

B. Approval Drawings: Submit for review detailed approval drawings as follows:

1. Drawings shall include at a minimum:

a) All dead, live and other applicable loads used in the design.
b) Detailed and dimensioned layout plans, framing plans, electrical plans, pick plans, roof plans and finish plans.
c) Sections and details showing complete methods of assembly and anchorage.
d) Connection details showing size, type, and grade of all plates, bearings, inserts and anchors.
e) Description of all loose and installed hardware, plates, inserts, etc.
f) Finishes.

2. All approval drawings submitted shall be sealed by a professional engineer who is licensed in the state where the project is located.

3. Coordination of Contract Documents and Work:

a) Coordinate the design and installation of pressbox products and systems with interfacing and adjoining construction.
b) Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts and items with integral anchors that are to be embedded in concrete.

C. Delegated Design Engineering Calculations: Calculations submittal for products indicated to demonstrate conformance with specified design loads, element stiffness and performance requirements including structural analysis data signed and sealed by the professional engineer responsible for their preparation licensed in the state where the project is located.

1. Pressbox Structural Design:

a) Provide for review design calculations for dead load, live load, wind load, seismic load including deflections, and vibration control. Refer to “Performance Requirements” for explicit requirements.

2. Railings and guardrail inserts and connections: Shall be designed to resist design load reactions for all railings and guardrails. See related specification sections for design loads.

D. Qualification Data: For firms and persons specified in "Quality Assurance" to demonstrate their capabilities, experience and qualifications. Submit for record lists of completed projects with project names and addresses, names and addresses of Architects and Owners, and other information specified.

1. Manufacturer qualifications
2. Professional Engineer qualifications

E. Samples for Verification: For each type of exposed material, color, finish and texture indicated below:

1. Exterior Finishes: Manufacturer’s standard colors, vinyl/steel siding options available.
2. Interior Finishes: Manufacturer’s grey/tan package.

F. Warranty: Sample of standard warranty.

1.8 DELIVERY, STORAGE AND HANDLING

A. Delivery: Deliver press box components in such quantities and at such times to sufficient for construction activities to occur without delay.

B. Storage: Store components with adequate dunnage.

1. Identification:

    a) Provide permanent markings to identify part numbers and orientation in the structure complying with markings indicated on final shop drawings. Markings on each component on shall be on a surface which will not show in finished structure.
    b) Provide additional marking as required by local building codes or ordinances.

C. Handling: Handle and transport components in a position consistent with their shape and design to avoid excessive stresses which would cause damage.

1.9 PRE-INSTALLATION CONFERENCE

A. Pre-Installation Conference: Before Installation begins, conduct conference to comply with requirements of applicable Division 01 Sections.

1. Required Attendees:

    a) Owner or Owner's Representative
    b) Architect
    c) Contractor
    d) Installer
    e) Manufacturer/fabricator's qualified technical representative
    f) Erectors of other construction interfaced with Work
    g) Owner's testing agency

2. Conference Agenda: Installer shall demonstrate understanding of the Work required by describing detailed procedures for preparing, installing, and cleaning the Work. Demonstration shall include, but not be limited to, the following topics:

    a) Tour representative areas of Work, inspect and discuss condition of substrate, and other preparatory work performed by other trades.
    b) Review Work requirements (Drawings, Specifications, and other Contract Documents).
    c) Review required submittals, both completed and yet to be completed.
    d) Review and finalize construction schedule related to Work and verify availability of materials, Erector's personnel, equipment, and facilities needed to make progress and avoid delays.
    e) Review required inspection, testing, certifying, and material usage accounting procedures.
    f) Review environmental conditions and procedures for coping with unfavorable conditions.
    g) Resolve deviations or differences between Contract Documents and the manufacturer/fabricator's specifications.

3. Contractor shall record discussions of conference, including decisions and agreements reached, and furnish copy of record to each party attending. If substantial disagreements exist at conclusion of conference, determine

how disagreements will be resolved and set date for reconvening conference.

1.10 QUALITY CONTROL BY CONTRACTOR

A. For pressbox members furnished under this Section, quality control inspection and testing shall occur during the manufacture of the components, and the components are subject to the approval of the engineered press box supplier's Quality Control Manager.

B. Plant Quality Control: Provide copies of plant quality control program describing procedures for the following:

1. Overall quality control measures.
2. Verifying sizes and critical dimensions of members.
3. Verifying position of plates, inserts, and other embedded items.
4. Final inspection of products prior to shipment.

1.11 WARRANTY

A. Special Warranty: Manufacturer’s standard 1-year warranty is required in which manufacturer agrees to repair finish or replace components that fail in materials or workmanship within specified warranty period.

PART 2 - PRODUCTS

2.1 FLOOR CONSTRUCTION

A. Bottom board: 1/2” ccx foundation grade treated plywood. Industrial grade asphalt-based paint. Continuous aluminum vents on 8’ centers.

B. Insulation: 6” R-19 fiberglass batts, with vapor barrier min. Pending COMcheck requirements.

C. Joists: 2” x 6” #2 SYP, on 16” centers, longitudinal framing.

D. Decking: 3/4” Sturdifloor, underlayment grade, tongue and groove Fir plywood, (index 24 in O.C.).

E. Covering: 1/8” Armstrong Excelon vinyl composition tile.

F. Molding: 4” thermoplastic rubber base molding by Roppe.

2.2 WALL CONSTRUCTION (OPTIONS)

A. Studs: 2” x 4”, #2 or better SPF, spaced at 16” O.C. max.

B. Bottom plate: 2” x 4” #2 or better SPF.

C. Top plates: (2) 2” x 4” #2 or better SPF.

D. Headers: as span and design load requires.

E. Ceiling height: 8’-2” x 8’-0”, front to back.

F. Trim: white painted wood.

G. Covering: Gold Bond, or equal, 5/8” vinyl-faced gypsum interior wall panels, class A rated.

H. Insulation: R-13 fiberglass batts with vapor barrier min. pending COMcheck requirements.

I. Sheathing: 1/2” CDX plywood exterior sheathing w/ building wrap weather barrier.

J. Siding: ATAS Opaline

2.3 ROOF CONSTRUCTION

A. Joists: 2” x 8”, #2 SYP, 16” O.C. spacing.

B. Overhang: 15-1/2” over front wall; 6” over rear wall. 14” over the side walls. Metal fascia covering with perforated vinyl soffit panels.

C. Ceiling: 5/8” type-x fire-rated gypsum board, taped and bedded with spray textured finish, class A rated.

D. Insulation: R-19 fiberglass batts, with vapor barrier minimum pending COMcheck requirements.

E. Decking: 3/4” tongue & groove-oriented strand board (index 24” O.C.).

F. Covering: .060 EPDM rubber membrane, fully adhered.

G. Covering: .060 polyester reinforced skid and spike resistant PVC membrane fully adhered.

2.4 WINDOWS

A. Aluminum – Wintech 6000 series (or equal) double horizontal slider window w/ extruded aluminum frames, AAMA LC-25 structural rating, w/ ¾” insulated low-E, argon filled tempered glass and removable insect screens. White – color options available at extra cost/ lead time.

B. Interior windows to be ¼” tempered safety glass fixed pan with white jambs and casing. Frame material to match exterior windows.

C. QMI roll shutters – security shutters

2.5 DOORS

A. 18ga. Insulated hollow metal door with 16ga. Steel wrap around frames, 10”x10” viewing window, vinyl weather-stripping, aluminum threshold and lever handled lock sets.

B. Doors (interior) - 1-3/8” solid-core with white wood jambs and casing and passage lever handled hardware.

C. Cores- best core – construction core provided unless the customer provides alternate cores to install. If best-in not acceptable, provide manufacture and size, large or small.

2.6 ELECTRICAL

A. Service entrance panel: with main disconnect; rated at 120/240v, single phase, 100-200 amp capacity.

B. Receptacles:

1. Pass & Seymour CR20-W commercial spec grade duplex receptacle, 20A 125V, white, along the rear wall.
2. Wiremold 5400 series electric plug strips w/ receptacle and communication jack covers along front wall under counter.

C. Lighting: 4' linear LED light

D. Circuits: all branch circuit wiring is minimum #12 THHN encased in EMT thin wall conduit or MC cable.

E. PTAC packaged terminal HVAC units with integral thermostats.

F. Electric baseboard heater with thermostat.

2.7 SCORERS' COUNTER

A. 20” deep x 1 ½” clear anodized finish aluminum countertop with rounded front nose. Mounted on brackets spaced a minimum of 32”.

2.8 CAMERA DECKS

A. Provide Stair in the rear of he pressbox

B. Upgraded roof surface: .060 polyester reinforced skid and spike resistant PVC membrane, fully adhered.

C. Railing mounts: 1/2” galvanized threaded bolts & nuts through roof fascia on 48” centers along perimeter edge of roof. Railing mounts shall not be placed on the roof surface.

D. Provide Roof Canopy per drawings

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas and conditions with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the work.

B. Before installation proceeds, installer shall prepare written report, endorsed by installer, listing conditions detrimental to performance of the work. This includes survey of elevations and locations of concrete foundations or pads and anchor bolts to verify compliance with the requirements of the grandstand manufacturers' specified tolerances.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install press box and all components according to manufacturer's written instruction and the approved shop drawings.

B. Installation: Shall be handled directly by the manufacturer or by a factory certified installation subcontractor.

C. Erect per plans, shop drawings, and specifications.

3.3 CLEANING

A. Clean all surfaces according to manufacturer's recommendations.

B. Use cleaning solutions and methods that do not damage finishes or the adjacent surfaces.

C. Remove all metal burrs, sharp edges or other cutting, unsafe, conditions.

D. Touch-up and repair any damaged materials during transportation and installation.

3.4 OWNER RESPONSIBILITY

A. Site Access.

B. Final electrical and data hook-up.

C. Inspections.

END OF SECTION

SECTION 13 34 30 – BLEACHER CONSTRUCTION

Part 1 General Information

1.01 Scope of Work

A. Furnish all delegated design, engineering, materials, freight, installation and supervision to provide new permanent Varsity Softball and Varsity Baseball Bleachers as shown in the Contract Documents.

B. Disassemble, move, and reassemble the four (4) existing angle frame bleacher units at the Varsity Baseball Field with one (1) unit to the JV softball field and three (3) units JV baseball field.

C. Prospective bidders must visit the site to familiarize themselves with the existing conditions.

D. Submissions seeking consideration as equal to the design basis must achieve the following criteria:

1. General Notes:
   - Basis of design is assumed to be Angle-Frame construction with a semi-closed deck. Other construction types are allowable presuming they achieve the basic seating capacity, comply with all codes, and provide the Owner with equal function. Alternative construction types shall be presented to the Landscape Architect for consideration prior to bidding.
   - Varsity Softball Bleacher shall have an approximate seating capacity of 300-persons. Varsity Baseball Bleacher shall have an approximate seating capacity of 500-persons.
   - Design shall generally adhere to Plans and Specifications. Note that delegated structural design responsibilities are assigned to the Manufacturer. The Manufacturer shall provide signed and sealed shop drawings by a registered Professional Engineer licensed to practice in the State of Indiana. Ensure the footprint signature of bleachers, stairs, and ramps fully integrates with available concourse area.
   - All concrete foundations and all concrete flatwork to accommodate ramps and stairs shall be an integral part of bleacher scope.
   - Seat Boards to be actual dimension of 2”x10” with 1” radius front edge or similar.
   - Elevated front walkway, 40” height typical at new bleachers**.**
   - Aluminum post and rail with 6-gauge black vinyl coated fence fabric for guard rail systems.
   - All mill finish extruded aluminum walk boards must receive an enhanced slip and stain resistant coating. Untreated mill finish aluminum with only raised extruded “flutes” or “ribs” is considered insufficient protection.

2. Seating:
   - Aluminum angle-frame construction as basis of design.
   - Powder coat riser boards to be ‘blue’ in color. Confirm during submittal process.
   - Structural sizing as required by manufacturer's engineering. Estimates of structural members shown in Plans and Sections are preliminary and for reference only.
   - Provide and install a Press Box, approximately 9’ x 18’ in size and generally as indicated in Plans, for varsity baseball field. Refer to Section 13 12 16 ‘Press Box Construction’.

1.02 Design Criteria

A. All material and workmanship shall be in accordance with the following:

Current Indiana Building Code
ICC/ANSI 300
AISC Manual of Steel Construction, Latest Edition
ACI Building Code for Reinforced Concrete
Aluminum Association of America

B. Federal Specification: LP-390C, Type 1, Class M, Grade 2, Category 3.

C. Design Loads as follows. Delegated design to the manufacturer shall confirm all current applicable standards and Codes are incorporate into Base Bid response:

Dead Load	6 psf	seat and footboards, risers, steel framing, etc.
Live Load	100 psf	to structural members. All stringers and girders shall be limited to L/200 for maximum vertical live load deflection.
	120 plf	seatboards
	120 plf	footboards
Wind	Code	on projected vertical surface
Sway	24 plf	per lineal foot of seat, parallel to seat run
Sway	10 plf	per lineal foot of seat

D. General: The structure shall be properly braced for wind and construction loads until all structural elements are secured. Understructure of the home-side grandstand shall be an open concourse passable by pedestrians as depicted in Plans.

E. Code Compliance: The Manufacturer shall be responsible for accommodating any and all modifications, additions or deletions necessary to comply with the Americans with Disabilities Act (ADA) guidelines, current Indiana Building Code, and other reference documents listed in 1.02A. Any deviations from the plans, details, and specifications must be declared in writing prior to bidding.

F. Permitting: Professional that stamps the final delegated design drawings shall be responsible for coordinating all permits and securing State Design Release.

1.04 Quality Assurance

A. Manufacturer's that have successfully completed the AISC certification process shall declare such within their Bid as part of determining the most responsive bid.

B. Manufacturer shall provide a minimum of three (3) references of similar sized projects that have been completed in the last three (3) years.

C. Engineering Qualifications: All bleacher components, foundations, and seating systems shall include delegated design responsibilities, within the Base Bid, for a licensed professional engineer registered within Indiana state to seal all drawings and calculations. All submittals shall bear said professional’s seal.

D. Product Liability: Detailed Certification of Insurance, including products/completed operations liability insurance, shall be provided.

E. Warranty: Bleachers shall be guaranteed for materials and workmanship for a period of no less than five (5) years on decks, seatboards, structure, and finish.

PART 2 - PRODUCTS

2.01 Pre-Identified and Approved Manufacturers

1. Outdoor Aluminum
2. Southern Bleacher
3. E & D Specialty Stands
4. Sturdisteel
5. GT Grandstands
6. **Dant Clayton**

All manufacturers are welcome and encouraged to participate. Please submit qualifications and full review materials as described no later than seven (7) calendar days prior to bidding. The Owner recognizes that sales representatives may bid on behalf of certain Manufacturers.

2.02 Guardrail and Handrail System

A. Guardrails shall be clear anodized, extruded aluminum pipe of 6061-T6 alloy, 1-5/8” O.D.

B. Guardrail supports shall be aluminum tube 3” x 2” x .1888”, and shall be 6061-T6 alloy and shall have a cast aluminum top (end) cap. Guardrail shall have structural support on each leg of the fencing at all 90° turns.

C. Grabrails shall be clear anodized extruded aluminum pipe of 6061-T6 alloy, 1-15/16” O.D.

D. Chain link fence shall be 2” mesh, 6 gauge black vinyl-coated fabric and shall be attached every 12" to top and bottom guardrails.

E. Handrails shall provide 1-1/2” clearance from the fence fabric and shall extend 12” past last riser with a return. Newel posts will not interrupt handrail.

2.03 Seating

A. Seats shall be 6063-T6 extruded aluminum with a fluted surface and a minimum wall thickness between flutes of .078”. The exact size of the seatboard is 2” x 10” with 1” radius front edge. Aluminum shall have a clear 204R1 anodized finish.

B. Mounting brackets: Shall be fabricated from ASTM-36 steel with galvanized finish. Brackets must be nut/bolted directly to the steel substructure. Mounting to the vertical surface of the aluminum decking will not be accepted.

2.04 Ramps and Ramp Platforms

A. Frames shall be 9” x 1.40” extruded aluminum mill finish channel with 3” x 1.4” extruded aluminum mill finish vertical channel columns with aluminum safety top cap.

B. Treads shall be 6063-T6 extruded aluminum with a fluted surface and a minimum wall thickness of 0.078”. Minimum vertical height of treads shall be 1.75” actual. Treads shall be mill finish.

C. Ramp and ramp platform treads shall mate via tongue-and-grove design 1.75” actual dimension and a minimum wall thickness of 0.078 measured. All ramp footboards will run perpendicular to the direction of travel, to ensure proper function of anti-skid flutes.

C. Handrails will conform with 2.01.2.

D. Ramp configuration and quantity shall be as shown on the drawings. The slope of the ramp shall be 1” vertical to 12” horizontal with intermediate landings at turns or 30’ 0” maximum spacing. There shall be a minimum clear distance between support channels of 60”. The ramp shall land on concrete threshold.

2.05 Stair and Stair Platforms

A. Treads shall be 6063-T6 extruded aluminum with a fluted surface and a minimum wall thickness of 0.078”. Minimum vertical height of treads shall be 1.75” actual. Treads shall be mill finish.

B. Risers shall be provided to fully close the stairs in all directions of travel. Risers shall be cleaned, pre-treated and powder coated with a thermal setting polyester resin in accordance with specification AAMA 603.8-92. Color to be selected by Owner from manufacturer’s full range of colors.

C. Stairs and ramps shall land on concrete threshold provided by the Contractor within this scope of work.

D. Intermediate steps in vertical aisle stairs, when required, shall divide the rise and run in half, ± 3/16” for code compliance. Intermediate aisle stairs will not create a trip hazard within the 12” required aisle access way in a row. Intermediate steps in vertical aisle stairs that create a vertical change in aisle accessway are strictly prohibited.

E. All bolts used for field installation shall be steel galvanized after fabrication.

F. Intermediate aisle stair tread will be in line with seatboards in section view and plan view. Half steps that require step up to aisle are strictly prohibited.

2.06 End Caps

A. Walkways, footboards, and aisle board end caps shall be one-piece mill finish aluminum channel design tumbled after fabrication to remove burrs and sharp edges. End caps shall be riveted to the underside of the planks.

B. Seatboard end caps shall be one-piece cast aluminum and shall be friction-fit to the plank.

C. Handrail posts shall be covered with cast aluminum top caps.

D. Splice plates shall be provided at all perpendicular seams in load bearing deck members to maintain alignment of decking members during expansion/contraction. All seams shall occur at structural steel supports. Joint covers hall be provided at end panel butt joints. Covers shall be fastened to the internal sleeves.

2.07 Accessible Seating and Egress Areas

A. Location and general design as shown on the Drawings.
B. No exposed vertical rise is allowed in the handicap area.
C. All handicap seating shall have adjacent companion seats.

2.8 Reinforced Concrete for Bleacher Systems

A. All concrete work and materials shall be in accordance with ACI 318.

B. Cast-in-place concrete for bleacher slabs have minimum compressive strength of 4,500 psi at 28 days.

C. All exterior concrete shall be air-entrained to 6% + 1%.

D. Reinforcing steel shall be in accordance with ATM A615, grade 60.

PART 3- EXECUTION

3.01 Installation

A. Installation shall be by expertly trained, certified and experienced installers operating within all Manufacturer's recommendations and guidelines.

B. Structure shall be erected in full accordance with the final engineered plans, shop drawings, and specifications. No exceptions shall be permitted.

3.02 Cleaning

A. Clean all surfaces after erection, in accordance with all Manufacturer's recommendations.

B. Remove and properly dispose of all construction debris.

C. Restore all surfaces, finishes and conditions affected by construction to a condition acceptable to the Owner.

D. Do not use acid solution, steel wool or other harsh abrasives.

END OF SECTION

SECTION 271323 – OPTICAL FIBER BACKBONE CABLING

GENERAL

1.1 SCOPE OF WORK

A. Work covered by this Section shall consist of providing labor, equipment, supplies, materials, and testing unless otherwise specified, and in performing the following operations recognized as necessary for the installation, termination, and labeling of optical fiber backbone infrastructure as described on the Drawings and/or required by these specifications.

1.2 RELATED SECTIONS

A. Related Sections include the following:

1. 27 05 28 - Pathways for Communications Systems
2. 27 11 19 - Communications Termination Blocks and Patch Panels
3. 27 15 13 - Communications Copper Horizontal Cabling
4. 27 15 43 - Communications Faceplates and Connectors

1.3 QUALITY ASSURANCE

A. All equipment shall be installed in a neat and workmanlike manner. All methods of construction that are not specifically described or indicated in the Contract Documents shall be subject to the approval of the Owner. Equipment and materials shall be of the quality and manufacturer indicated. The equipment specified is based on the acceptable manufacturers listed. Where "Or Approved equal" is stated, equipment shall be equivalent in every way to that of the equipment specified and subject to approval.

1.4 SUBMITTALS

A. Refer to Section 27 00 00 for submittal requirements

PART 2 - PRODUCTS

2.1 INTER-BUILDING FIBER OPTIC BACKBONE CABLING

A. Main Equipment Room (MDF) to Main Equipment Room (MDF) outside plant rated fiber optic backbone cable system.

1. General

a. Provide a new Single mode Optical Fiber Backbone System for connecting the new building MDF to the existing building MDF.
b. Ground the Cable sheath of fiber optic cables to the associated TMGB and TGB present within the rooms.
c. Fiber Color Code

1) Note: Backbone cables greater than 12-strand have same color code with different colored tube for each 12-strand group. Tube colors use same color scheme.

Type	Strand	Color Combination
Fan-out	1	Blue
Fan-out	2	Orange
Fan-out	3	Green

Fan-out	4	Brown
Fan-out	5	Slate
Fan-out	6	White
Fan-out	7	Red
Fan-out	8	Black
Fan-out	9	Yellow
Fan-out	10	Violet
Fan-out	11	Rose
Fan-out	12	Aqua

d. Provide a minimum 8'-0" and maximum 10'-0" of slack. Loop at the MDF to be contained on the bottom side of the horizontal cable tray. Additional slack of (4'- 6') is required within the fiber enclosures.

2. Single Mode OSP Fiber Optic Cable

a. Provide Outdoor rated Single Mode, Fiber-Optic Cable between buildings as required.
b. The Single Mode, Fiber-Optic cable shall be OS2 8.7/125 micron fiber.
c. The Single Mode, Fiber Optic cable shall be OFNG rated, loose tube and installed in underground ducts.
d. The Single Mode, Fiber-Optic cable shall be a dry core cable with moisture blocking gel inside the buffer tube and fiber shall be surrounded by gel for moisture resistance.
e. The Single Mode, Fiber-Optic cable shall be wrapped in an overall water-swellable tape and an overall black flame and UV resistant jacket.
f. The Single mode, Fiber-Optic cable shall be a minimum of 6 or 12 strands per cable. Reference T-series drawings for final quantity of strands.
g. The Single Mode fibers shall be terminated with fusion-spliced, factory-polished, LC Pigtails or pre-terminated backbone fiber with associated fiber cassettes.
h. Include strand fanout kit for connector termination at each end.

B. Acceptable Manufacturers:

1. Superior Essex
2. Or Owner Approved Equal

2.2 INTER-BUILDING FIBER OPTIC BACKBONE ENCLOSURES AND PATCH PANELS

A. FIBER OPTIC BACKBONE FIBER ENCLOSURES

1. Fiber-Optic enclosures shall be mounted in equipment racks at each end. Confirm final location with owner or if space is available in existing rack to terminate fibers.
2. Fiber-Optic enclosures shall not exceed 2 RU of mounting space. Slide-out drawer to provide front access to fibers.
3. Provide appropriate fiber optic adapter panel at each end as required to terminate the Inter-building OS2 cabling via LC connectors.
4. Acceptable Manufacturer:

a. Superior Essex
b. Or Owner Approved Equal

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install Fiber Optic cables and devices in accordance with industry standards and manufacturer's written instructions.

B. Install Fiber Optic cable without damage to fibers, cladding, or jacket.

1. Ensure that media manufacturer's recommended pulling tensions are not exceeded.

C. Do not bend cables to smaller radii than the minimums recommended by the manufacturer.

D. Use pulling means, including fish tape, rope, and basket-weave grips, that will not damage media or raceway. Install Fiber Optic cable simultaneously where more than one cable is being installed in the same raceway.

E. Use pulling lubricant where necessary; compound used must not deteriorate cable materials. Do not use soap.

F. NO splices are allowed. Cable runs to be continuous to each MDF/IDF.

G. Provide grounding connections for Fiber Optic cable and other system components as required by specifications and applicable codes and regulations, according to manufacturer's written instructions.

H. Provide termination of all Fiber Optic cables according to applicable standards and codes.

I. Fiber Optic cable will have cable ID and strand count clearly marked on the fiber cabinet in the MDF/IDF.

J. Provide temporary fiber optic cabling, patch panels, connectors and splice trays during construction to ensure the existing Owner network equipment remains connected until all demolition of existing systems can be completed.

3.2 LABELING

A. All racks, patch panels, cables, jacks, system components, etc. shall be labeled according to ANSI/EIA/TIA-606 specifications and in coordination with the Owner.

B. All Fiber-Optic cables shall be equipped with a self-laminating, wrap-around, machine printed label at both ends of the cable.

C. All Fiber-Optic Patch Panels shall be equipped with pre-printed, cable identification designation strips installed behind clear plastic label holders on the front of the patch panel.

3.3 TESTING OF FIBER CABLES

A. GENERAL

1. It will be the Contractor's responsibility to provide the test equipment necessary and document the campus telecommunication coordinator the test equipment available for testing and the last date of certification.
2. Cables will have fiber connectors installed on cables prior to testing.
3. The tests shall be performed on inter-building and/or intra-building fiber cables.
4. Testing Equipment:

a. Continuity tester.
b. Visible fault detector.
c. Power meter and light source.
d. OTDR (Optical Time Domain Reflectometer).
e. Appropriate types of Fiber Optic jumpers.
f. Equipment for two testers to communicate.
g. Other equipment as approved by designated Owners personnel and as required to complete the testing to the satisfaction of the Owner and Technology Consultant.

5. Prior to usage, test equipment and components in accordance with manufacturer's published test procedures.
6. All fibers will be tested bi-directionally per TIA-526-7 and TIA-526-14 method A-2.
7. Bi-directional attenuation figures in decibel (dB) will be documented.

    a. Before testing, verify with the Owner’s Information Technology Services representative if raw or referenced readings are preferred.

8. All strands shall test good and meet current ANSI/TIA/EIA-568 specifications. Dark fibers and excessive attenuation due to breaks, bends, bad splices, defective connectors and bad installation practices will not be accepted and must be corrected.
9. Replacement fiber cables shall be subject to tests and criteria as described in this document.
10. All fiber cables shall have NO bad fibers. Fiber cables tested to have bad fibers, and determined to be non-repairable by practices acceptable to the Owner, shall be replaced at no additional cost to the Owner.
11. Any and all measures taken to correct unacceptable test results shall be recorded, along with loss measurements taken before and after corrective measures.
12. Documentation will include cable ID, origin and destination points, strand ID, and bi-directional attenuation figures in dB, per TIA Method A-2.
13. Use of an OTDR may require that a "launch reel" be used to overcome the OTDR's dead zone, if needed for fault location if the bi-directional tests fail.
14. Fiber jumpers used with the OTDR, light source and power meter must be of the same size and type of the fiber being tested.
15. Fiber jumpers used with the light source and power meters shall be zeroed out by attaching the jumper from the light source via a coupler to the jumper from the power meter.

    a. This reading noted, it will become the reference level to obtain a true attenuation reading (some power meters can be zeroed to allow reading the attenuation level direct).
    b. TIA-526-7 and TIA-526-14 Method A-2 should be used to zero OLTS.

3.4 LOSS BUDGETS

A. Average splice loss shall not exceed 0.35 dB attenuation for multimode, or 0.25 dB attenuation for single mode, measured from both directions.

B. No individual splice, multimode or singlemode, shall exceed 0.50 dB attenuation, measured from both directions.

C. No termination shall exceed 0.40 dB attenuation for multimode, or 0.30 dB attenuation for single mode. No single mode OSP fiber shall exceed 0.000091436 dB attenuation per foot (0.25 dB attenuation per kilometer) at 1550 nm.

D. Acceptable maximum allowable attenuation per spliced and terminated fiber will be determined by the following formula:

MAX = (S * MS) + (E * ME) + (F * MF)

Where:
S = Number of splices in fiber between end termination points.
MS = dB maximum average allowable attenuation per splice.
E = Number of endpoint terminations (namely, 2).
ME = dB maximum allowable attenuation per endpoint termination.
F = Number of feet of fiber from endpoint termination to endpoint termination.
MF = Manufacturer's specification for maximum allowable fiber attenuation per foot of fiber. (Converted from dB per km by formula - dB per km / 3280.8)

3.5 BACKBONE CABLE TESTING

A. Contractor shall test multimode riser fiber at 850 nm and 1300 nm in both directions.

B. Contractor shall test single mode riser fiber at 1310 nm and 1550 nm in both directions is to be used.

C. No multimode riser fiber shall exceed 0.00021336 dB attenuation per foot at 1300 nm, 400 Mhz bandwidth. (0.70 dB attenuation per kilometer at 1300 nm, 400 Mhz bandwidth).

3.6 WARRANTY AND CERTIFICATION

A. System shall carry an industry standard, application and performance based warranty, by the manufacturer and contractor, for a period of at least 20 years on the fiber optic cabling; including cabling, patch panels, patch cables, terminations and labor. The remaining portions of the system shall be warranted for a period of three (1) year from date of substantial completion.

END OF SECTION 271323

SECTION 32 33 00 – SITE FURNISHINGS

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

A. This Section includes the following:
1. Athletic Barrier Netting

B. Related Sections include the following:
1. Division 31 Section "Earth Moving" for soil materials, excavating, backfilling and site grading requirements.

1.03 SUBMITTALS

A. General: Submit the following according to Conditions of Contract and Division 1 Specification Sections.

B. Product Data: For each type of site furnishing specified, with installation instruction for each unit built-in or connected to other construction. Include methods of installation for each type of substrate.

C. Samples for Initial Selection Purposes: Manufacturer's standard size samples showing full range of colors, textures, and patterns available for each type of site furnishing required.

D. Submissions for Verification Purposes: Manufacturer's standard sizes for each type of site furnishing required.

E. Shop Drawings: For each piece of site furniture, indicating dimensions, anchoring methods, color, finish, etc. Shop drawings will allow for final approval from Landscape Architect and coordination of installation by Contractor.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Firm (Material Producer) with not less than three (3) years of production experience, and whose published literature clearly indicates compliance with the indicated requirements of this Section.

B. Single Source Responsibility: Provide each required type of site furnishing as produced by a single manufacturer

1.05 DELIVERY, STORAGE AND HANDLING

A. Deliver materials to Project site in original factory wrappings and/or containers, clearly labeled with identification of manufacturer, brand name and lot number (as applicable).
1. Sequence delivery of site furnishings as near as practicable to required time scheduled for installation so as to minimize the required amount of onsite storage time.

2. Store materials in original, undamaged packages and containers, protected from the elements, soiling and other potential sources of damage.

B. Comply with instructions and recommendations of manufacturer for additional delivery, storage and handling requirements.

1.06 MAINTENANCE

A. Maintenance Instructions: Submit manufacturer's printed instructions for maintenance of installed Work, including methods and frequency recommended for maintaining optimum condition under anticipated use conditions. Include precautions about materials and methods which may be detrimental to finishes and performance.

PART 2 - PRODUCTS

2.01 MISCELLANEOUS MATERIALS

A. Welding Electrodes and Filler Metal: Type and alloy of filler metal and electrodes as recommended by producer of metal to be welded, complying with applicable AWS specifications and as required for color match, strength and compatibility in fabricated items.

B. Cast-in-Place Anchors: Anchors fabricated from corrosion-resistant materials with capability to sustain imposed design loads when installed in concrete as determined by testing per ASTM E 488 conducted by a qualified independent testing agency.

C. Fasteners: Use fasteners of same basic metal as the fastened metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials joined.
1. Provide concealed fasteners for connection of site furnishings and for their attachment to other Work except where exposed fasteners are unavoidable. Provide tamper-proof and corrosion-resistant machine screws for exposed fasteners, unless otherwise indicated or approved by the Landscape Architect.

2.02 FABRICATION, GENERAL

A. Provide site furnishing items, both freestanding and permanently installed, equipped with functions as specified. Fabricate units with tight seams and joints, exposed metal edges rolled. Provide products with smooth welds, consistent finish with no evidence of wrinkling, chipping, uneven coloration, dents or other imperfections.

2.03 ATHLETIC BARRIER NETTING

A. Basis-of-design: Barrier Net, Netting, and Cable Support Systems, as coordinated, designed, and fabricated by Beacon Athletics, 1-800-747-5986, or approved equal prior to bidding.
1. Height: 20'-0"
2. Length: 100'-0"
3. Net Type: Removable multi-sport net. Combination nets are acceptable.
4. Color: Posts to be powdercoat black

B. Pre-approved Manufacturers:
1. Sportsfield Specialties, 1-888-975-3343

2. Gill Athletics, 1-800-637-3090

PART 3 - EXECUTION

3.01 PREPARATION

A. Coordinate and furnish anchorages and setting drawings, diagrams, templates, instructions and directions for installing items having integral anchors that are to be embedded in concrete or masonry construction. Coordinate delivery of such items to the Project site.

3.02 INSTALLATION, GENERAL

A. Provide anchorage devices and fasteners where necessary for securing site furnishings to in-place construction.

B. As required, and in accordance with manufacturer's written recommendations, perform drilling and fitting to install units. Set units accurately in location, alignment and elevation, plumb, level and true, measured from established lines and levels. Provide temporary bracing or anchors in form work for items that are to be built into concrete, masonry or similar construction.

C. Fit exposed connections accurately together to form tight, hairline joints. If cutting, welding and/or grinding is required for proper shop fitting and joining of site furnishings, restore finishes to completely eliminate any evidence of such corrective Work.
1. Do not cut or abrade finishes that cannot be completely restored in the field. Return items with such finishes to the shop for required alterations, followed by complete refinishing, or provide new units as required by the Owner.

3.03 INSTALLATION

A. Verify that materials are those specified before installing. Inspect site furnishings to ensure that all units are complete, including fasteners, anchoring devices and/or accessories required for installation as shown and indicated.

B. Coordinate installation of site furnishings with related Work to ensure that units will be undamaged at time of acceptance of Work. Provide temporary protective covering for units to avoid damage during the remainder of the construction period. Remove any temporary coverings at time of Substantial Completion.

C. Remove and replace all damaged or defective items at no additional cost to the Owner. Clean and polish exposed surfaces using materials and methods as recommended by the manufacturer.

END OF SECTION

SECTION 32 91 16 – SYNTHETIC TURF FIELD CONSTRUCTION – DIAMOND SPORTS

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract.

1.2 SUMMARY

A. Work Includes:

1. New synthetic turf system for baseball and softball use.
    a. Concrete Curb and Perimeter Nailer. The Builder shall install a 6” wide x 12" deep perimeter concrete curb and nailer as described within this Specification for areas where synthetic turf abuts any paved condition.
    b. Complete underdrain system. The Builder will be responsible for providing and installing all layers of the complete synthetic system, including synthetic base preparation and drainage. Collect and tie flat-panel underdrain system, on a 25’ o.c. spacing, to the nearest header drain trench and/or and storm structures shown in the C-Series Plans. The Builder shall utilize C-Series Plans for anticipated invert elevations yet calculate his own slopes to verify positive drainage.
    c. Geo-textile fabric installation; Tencate-Mirafi® 140N or equivalent.
    d. Field subgrade confirmation. The Builder shall be present for a proof roll of subgrade as part of reviewing and accepting subgrade conditions prior to beginning work.
    e. Base installation. Builder shall achieve final surface grade on fields as shown in the Civil Drawings. Ensure the Civil Engineer and Landscape Architect are fully aware and approve of any anticipated deviations.
    f. Synthetic turf, ballast, turf installation, and select maintenance.
    g. Game lines, field markings, logos, etc. shall be provided as shown in plans and coordinated during the submittal process. All markings shall fully comply with IHSAA and NFHS standards. Coordinate all marking details during submittals at no additional charge to the Owner. Marking Plans are provided for reference. Minor deviations during submittal coordination may occur as the Landscape Architect and Manufacturer finalize details.
    i. Field finishing, including infill installation and grooming, as specified within. No additional cost will be borne by the Owner for coordination or adjustments after bidding.
    j. Providing and training the Owner with a Field Groomer for their ongoing maintenance operations. The Builder shall conduct field grooming with his or her own equipment and forces until Substantial Completion is achieved.

B. Bidding Approach

Include all necessary surveying, staking, drainage infrastructure, geotextiles, curbing, stone aggregate layers, installation of all base-related systems, shop drawings and coordination, synthetic carpet, infill/ballast, nailers, grooming, grooming equipment, inspection/maintenance requirements, deep cleaning, GMAX testing, and associated installation of all turf-related systems listed here. Warranties shall be included within the Base Bid.

C. Submittals

1. Pre-Bid Submittals

    a. Submit product information for approval prior to bidding that demonstrates the manufacturer's ability to provide a turf system that meets or exceeds the minimum technical requirements for turf products as listed in this Specification. Pre-Approved systems shall be formally acknowledged via addendum.

    b. The following products have been Pre-Approved:
        1. DoublePlay and Triple Threat Products as Submitted by FieldTurf USA Inc.
        2. UltraBlade DFE Extreme with Thatch as Submitted by SprinTurf.
        3. Diamond Series Turf System as Submitted by AstroTurf.
        4. TriplePlay Product as Submitted by The Motz Group.

2. Bid Submittals

    a. List of similar projects completed by the Builder within the last two (2) years utilizing substantially similar turf product. Provide full Client contact information and details of the turf manufacturer and turf type.
    b. Identify any pending litigation involving either the synthetic turf manufacturer or Builder or both. Such documentation shall be provided confidentially to the Owner rather than the Design Team. Similarly, the Owner reserves the right to request insurance documentation and company financial reports from any Bidder or subcontractor performing work on-site as a means to evaluate capacity to perform the work.
    c. Identify the Foreman, Supervisor and Crew experience for the team executing this project installation. Include a list of completed projects in the last three (3) years by this specific team.
    d. Builder to provide independent laboratory testing data, such as Lisport testing or similar, to substantiate the comparative durability of the proposed synthetic system the other competing systems that may be offered for the Owner's consideration.
    e. Provide documentation of sources of infill materials. Local and regional sources are encouraged whenever possible.

3. Post-Bid Analysis

A. Credentials: Qualifications and credentials are a critical component of determining the most responsive Bid for all athletic field construction. Provide a listing of previous field installations, including full Client contact information, within the sealed Bid submitted for this project. The successful Bidder shall demonstrate his or her experience, industry knowledge, specialized construction methods/techniques, and overall project approach.

B. Bidding: Builders are advised that evaluating the most responsive Bid will include a combination of price, product type, credentials, and project approach. The Owner will review all materials, approach, credentials, and pricing within a Bidder's submission to determine which Bid is most responsive to the project goals and offers best value.

C. Samples: Apparent most responsive Bidder shall provide a 2' x 2' sample of complete carpet and infill system. Samples should be constructed in a wood frame and capable of holding one person so they may stand on the finish product. One sample box for each turf type used in overall project, when applicable.

4. Pre-Construction Submittals

    a. Cut sheets and product samples for all products listed in Bid Submittals for Owner review and approval.

b. Complete and detailed shop drawings from the Turf Manufacturer including layout of all components, parts and materials required for a complete synthetic system.
c. Verification in writing provided to the Owner indicating no patent infringements have occurred in the Manufacturer's proposed synthetic system. The Owner and all his design, construction, and administrative agents shall be held harmless by the Manufacturer with regard to any legal action relating to patent infringements.
d. Staking of shall be under the full control of the Builder. The Builder shall utilize a registered surveyor to provide all necessary stakes, batter boards, lines, etc., to establish grades required and corresponding benchmarks. The cost of staking shall be included in the Base Bid. A digital record of the actual field as-built measurements shall be made for the Owner’s archives in both AutoCAD and PDF format.

5. Post-Construction Submittals

a. Provide Record Drawings of the completed installation. Submit Record Drawings for review by the Owner ten (10) days prior to Substantial Completion. Include the following:
    1) Underdrain locations and inverts.
    2) Location of primary seam locations on the synthetic turf installation.
    3) Operation & Maintenance Manuals.
    4) All warranty documents related to third-party coverage of base construction and synthetic turf, plus applicable coverage for field grooming equipment.

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D. Quality Control

1. Turf Inspection: The Owner, the Owner's agents, and the Builder shall inspect all turf at the site prior to the start of any installation. Any damaged or defective items shall be rejected and subsequently replaced by the Builder.

2. Installed Turf: Installed turf shall be inspected for, but not limited to the following:
    a. Acceptable seams
    b. Uniformity of product and color
    c. Surface bubbles
    d. Field markings
    e. Field edge installation
    f. Pile height of each roll supplied shall be measured
    g. Pile height in its finished position
    h. Surface tension

    Any products or materials that fail to meet the minimum requirements shall be rejected.

3. Manufacturer shall provide up to three (3) random samplings of the turf product obtained during the specific manufacturing process of this project’s order. Verify that all carpet meets or exceeds the specifications prior to shipment to ensure installation delays are avoided.

4. Weather Conditions: Only install turf according to weather requirements provided by the Manufacturer. Review all installation requirements and product limitations with Owner and Landscape Architect prior to commencing work.

5. Workmanship: All seams and inlaid markings shall be flat, tight, and permanent with no separation or fraying.

6. 6. Impact Testing: The Contractor shall engage a third-party testing agency to perform GMAX testing at substantial completion. No fewer than eight (8) locations on each field shall be collected to compile a diverse, random assessment of each field. The intent of testing is to

document newly constructed conditions for analysis and benchmarking in subsequent years. Initial construction is not anticipated to exceed GMAX 175.

E. Warranties

1. Turf Warranty: Within his or her Base Bid, the Builder shall provide a third-party, fully insured and enforceable Warranty for no less than (8) years from the date of Substantial Completion of the project. Base integrity, drainage function, UV degradation, fiber strength, stability of the backing, tufted yarn and seam integrity, and all other related components of the synthetic turf system.

   An additional two (2) years of extended warranty protection shall be added to the conclusion of the standard 8-year warranty as part of the Base Bid. The Owner shall allow this portion of the warranty to be by-Manufacturer rather than third-party insured. All warranties shall be in writing and remain valid should the Manufacturer be acquired by another company prior to the conclusion of said warranty.

2. Quality Assurance: The Builder shall make inspections of the fields on no less than a quarterly basis during the two (2) year period following Substantial Completion to monitor performance and condition of the system. Bidder shall commit to utilizing a Certified Field Builder (CFB) as credentialed by the American Sports Builders Association, to perform inspections. Each inspection shall be conducted with the Owner present. Document and submit notes, pictures and a formal inspection report each inspection to the Owner. Any proactive measures required of the Builder to keep the field in proper working order shall be remedied within ten (10) days of such inspections by the Builder and Owner.

3. Training: Train the Owner for proper maintenance and upkeep of the synthetic system to ensure the warranty remains in force. Include one (1) deep clean of the infill material of the synthetic field at the conclusion of the first year of service for the turf within the Base Bid. Schedule to suit the Owner's convenience.

4. Repair Response Time: The Builder shall provide response time commitments for the execution of warranty repairs for inside & outside play-critical zones. See Bid Form.

PART 2 – PRODUCTS

2.1 Synthetic Turf Systems.

A. Diamond Sports / Baseball and Softball Fields:

1. Dual-fiber System
2. Infield Applications: 52 oz. with Nylon or Texturized MFPE thatch layer required. Provide data with micron ratings and validation of yarn types for consideration of the Landscape Architect. The Nylon or Texturized MFPE material shall be account for 8 oz. to 10 oz. of the total 52 oz. weight.
   Outfield Applications: Minimum 42 oz. face weight excluding thatch. Vendors are welcome to utilize product lines that include thatch, but it is not required for outfield applications. Provide data with micron ratings and validation of yarn types for consideration of the Landscape Architect.
3. Pile Height: Consistent 1.75" height throughout all areas of the playing field and foul territory.
4. Construction Method: Broadloom Tufted.
5. Tufting Gauge: 3/8" or as approved in submitted samples; stitch rate of 12 stitches per 3 inches.

6. Primary/Secondary Backing: 13 Pic Polybac / US80NW or equal Non-woven /18 Pic Polybac or as approved in submitted samples.
7. Secondary Coating: 26 oz. Urethane or substantially similar and approved prior to quoting.
8. Provide attic stock of seven (7) replacement “batter’s boxes” for the full batter’s box and home plate area for baseball and softball. Design and install the initial batter’s box to be easily removable/replaceable each season by the Owner.
9. Provide attic stock of seven (7) replacement pitching lanes for the baseball pitcher’s mound. Design and install the initial pitcher’s lane to be easily removable/replaceable each season by the Owner.
10. Finished Roll Widths: 180“ Untrimmed.
11. Line Markings: In addition to the tufted lines and inlaid lines, the pile surface shall be suitable for both temporary and permanent line markings using paint specifically developed for this use and recommended by the turf manufacturer.
12. Seams: Seams shall be glued. Any seaming shall include fabric recommended by synthetic turf manufacturer.
13. Color: Field Green with “mown/rolled” look via alternating color blends for "Grass" Areas and Clay for “Skinned Infield/Warning Track.” Lines and field markings shall be White. Provide logos and decorative field markings as shown on the Field Intent Graphic.
14. Warranty: 8 Year minimum warranty for base construction and turf. See Warranty Section.
15. Fill Requirement: Turf manufacturers shall provide two (2) ballast pricing alternatives for Diamond Sports applications as follows:
    a. Base Bid – 50/50 blend of rubber/silica sand for Outfield Applications and 30/70 blend of rubber/silica sand for Infield Applications. The Contractor shall accommodate minor changes at no additional expense to the Owner.
    b. Infill Alternate - Softball Only – Provide the additive or deductive cost to furnish and install the turf vendor’s preferred organic ballast specifically tailored for softball that replicates an accurate ball bounce. Respondents shall provide documentation and 3rd Party testing data with their Bid to support product details and advantages..
16. Provide and install one (1) home plate per diamond and bull pen, as manufactured by Hollywood MLB Pro Style, Model #301-675-859, Beacon Athletics, 1-800-747-5985, or approved equal prior to quoting. Install home plate in a 2"x6" treated wood frame with concrete support surround. Fill frame with sand to level plate.
17. Bases: Provide and install full set of bases, as manufactured by Soft Touch Premium, Beacon Athletics, 1-800-747-5985, or approved equal prior to bidding. Use 1.5” steel stanchion anchors. Install all corresponding pegs, anchors, caps, and bases per manufacturer’s recommendations and local building codes. For Varsity Softball, utilize a double first base configuration.
18. Pitching Rubber: Provide and install pitching rubber as indicated, Hollywood Four-Sided Permanent, Model #335-675-149, Beacon Athletics, 1-800-747-5985, or approved equal prior to bidding.
19. Provide and install Two (2) bullpen pitching mounds for baseball, Portolite Oversize Turf Practice Pitching Mound model number #A32-839 as manufactured by Anthem Sports, 1-800-688-6709 or approved equal prior to bidding.
20. Alternative manufacturers may submit for consideration as an approved equal.

B. Batting Tunnels:

1. Dual-fiber System
2. Pile Weight: Minimum 44 oz. Dual fiber system with PE thatch adhered to concrete slab below batting tunnels. Provide and demonstrate long-lasting, durable performance for a high school facility anticipating heavy usage. Provide data,

micron ratings, and validation of yarn types for consideration by the Landscape Architect as part of the bid response.

3. Pile Height: Consistent 0.75” height throughout the full batting tunnel area.
4. Foam Backing: Include and install with 5mm or greater foam backing to prevent ricochet.

2.2 Synthetic Turf Underdrainage System

A. Furnish geo-textile covered perforated flat panel drains with all end caps, adapters, transitions and fittings required for a complete system.
B. Approved Manufacturers:
   1. Hydraway, 800-223-7015, 12” Hydraway 2000
   2. Advanced Drainage Systems, 800-821-6710; Model AdvanEdge 12”
   3. Varicore Technologies, Inc., 800-978-8007; Multi-Flow 12”

2.3 Collector Drains: Utilize C-Series Plans. Include all associated fittings, transitions, end caps, adapters, couplers, outlets, and connectors. Lateral flat-panel drains may terminate directly into detention trenches without fitted connections.

2.4 Concrete Curb and Perimeter Nailer:

A. Curb: 3,500 PSI, minimum; Top Edges - 1/4" Radius Tooled.
B. Nailer: 2x4 Composite Wood or Treated Wood nailers appropriate for this application, fastened with tapcon or ramset every 24” on center.

2.5 Aggregate: A1 Stone Drainage Layer

Sieve Size	Percent Passing
1 1/2”	100%
1”	95-100%
3/4”	80-100%
1/2”	60-80%
3/8”	30-50%
#4	20-40%
#8	10-30%
#16	7-25%
#40	5-17%
#200	0-4%

Submit laboratory test providing a complete breakdown of the material and permeability prior to starting work.

2.7 Aggregate: A2 Washed Stone Choker Layer

Sieve Size	Percent Passing
1/2”	100%
3/8”	95-100%
#4	70-85%
#8	45-60%
#16	25-40%
#40	2-12%
#200	0-3%

Minor adjustments to aggregate blends may be approved by the Owner with prudent testing data to support the deviation. Permeability must be greater than 16” per hour for the finished synthetic system.

Submit laboratory test providing a complete breakdown of the material and permeability prior to starting the work.

2.8 Equipment

A. Field Groomer: Provide the Owner with one (1) synthetic field groomer as part of the Base Bid. TurfCare Model TCA1400 (1-253-350-8803) or approved equal. Model must include tray to capture and easily dispose of loose fiber and debris picked up during normal maintenance. If an organic infill is selected, the Manufacturer shall ensure the provided groomer is made for the specific application.

2.10 Miscellaneous

A. Power/Data Access Boxes: Base Bid shall provide and install access boxes as called for within MEP-Series plans. Install at the back of pitcher's mound when applicable. Connect each access box with blank conduits as described within MEP-Series plans.

PART 3 – EXAMINATION

A. The Builder shall validate pre-existing subgrade conditions prior to commencing work. Ensure proof roll requirements are met for a fully functioning, durable system.
B. Verify that all sub-base leveling is complete prior to installation.
C. The completed grade of the base and perimeter nailer shall be verified by means of a laser and plotted on a 10-foot grid. The Bidder shall supply a third-party professional survey documenting the conditions to ensure full compliance with the specifications. Based upon the Builder's inspection of the topographical survey, the Builder shall fine grade the base suitably, including properly rolling and compacting the base to achieve a surface planarity within ¼ " in 10-feet (+0, -1/4 "). OWNER, ENGINEER, OR BUILDER SHALL NOT APPROVE THE BASE FOR TOLERANCE TO GRADE WITHOUT OBTAINING THE TOPGRAPHICAL SURVEY.
D. The compaction of the aggregate base shall be 95% or greater, according to the Modified Proctor procedure (ASTM D1557), and the surface tolerance shall not exceed 0-1/4 inch over 10 feet and 0-½" from design grade.
E. The Builder shall field-test the permeability of the base prior to the installation of the turf. Initial testing may be self-performed by the Builder over no less than five (5) broad areas of the playing surface to ensure that no less than 16" per hour of permeability can be achieved for the finished synthetic system. Verify the means for the test with the Landscape Architect prior to beginning testing. Should such tests validate performance indicative of the third-party drainage testing, no additional reports or documentation will be required to commence with turf replacement. If questions remain regarding performance, the Owner reserves the right to request third-party validation.

PART 4 – INSTALLATION

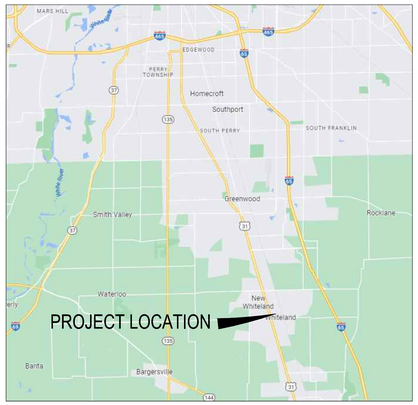
A. Install in accordance with Manufacturer's instructions. The Builder shall strictly adhere to the installation procedures outlined under this section. Any variance from these requirements must be accepted in writing, by the Manufacturer's onsite representative, and submitted to the Landscape Architect and Owner for approval. The Builder shall verify that any changes or deviations do not adversely affect performance or the warranty. Infill materials shall be approved by the Manufacturer and installed in accordance with the Manufacturer's standard procedures.
B. The carpet rolls are to be installed directly over the properly prepared aggregate base. Extreme care should be taken to avoid disturbing the aggregate base, both in regard to compaction and planarity. It is suggested that a 2-5 ton static roller is on site and available to repair and properly compact any disturbed areas of the aggregate base.

C. The full width rolls shall be laid out across the field. Turf shall be of sufficient length to permit full cross-field installation from edge to edge of play limits whenever practical.
Utilizing state of the art seaming procedures, as approved through the shop drawing and submittal process, each roll shall be attached to the next.
D. Infill materials shall be applied in numerous thin lifts. The turf shall be brushed as the mixture is applied. The infill material shall be installed to a depth determined by the Manufacturer and approved in samples submitted during the bidding process.
E. Infill materials shall be installed to fill the voids between the fibers and allow the fibers to remain vertical and non-directional. Ensure all blended infill materials are fully homogenous.
F. The Bidder shall cooperate with the Owner to sequence work on and around the field.

END OF SECTION

FINAL CONSTRUCTION PLANS

WHITELAND COMMUNITY HIGH SCHOOL
PHASE 5
300 E. MAIN STREET
WHITELAND, INDIANA



VICINITY MAP
NO SCALE

LOCATION MAP
NO SCALE

PLAN INDEX	
SHEET #	SUBJECT
100	TITLE SHEET
200	OVERALL TOPOGRAPHICAL SURVEY
201–206	TOPOGRAPHICAL SURVEY
207	OVERALL DEMOLITION PLAN
208–210	DEMOLITION PLAN
300	OVERALL SITE LAYOUT
400–402	UTILITY PLAN
403–405	WATER PLAN
500–502	GRADING PLAN
503	GRADING DETAILS
504	EMERGENCY FLOOD ROUTE
600	DRAINAGE PLAN
700–708	STORM PLAN AND PROFILES
800	OVERALL EROSION CONTROL PLAN
801–803	EROSION CONTROL PLAN
804	STORMWATER POLLUTION PREVENTION PLAN
900–901	MISCELLANEOUS DETAILS

NOTE: SEE PLANS PREPARED BY CONTEXT DESIGN FOR SITE MATERIALS PLAN, SITE LAYOUT PLAN, SITE PLANTING PLAN, AND SITE DETAILS.

JOHNSON CO. LEGAL DRAIN NOTES

- NO STRUCTURES, OR IMPROVEMENTS SHALL BE PERMITTED WITHIN THE LEGAL DRAIN EASEMENT. ALL UTILITIES, BUILDINGS, STRUCTURES, PLANTINGS, CROPS, TREES, SHRUBS, AND WOODY VEGETATION GROWN WITHIN THE EASEMENT, OR ALONG THE LEGAL DRAIN ARE AT THE RISK OF OWNER AND SUBJECT TO REMOVAL WITH MINIMAL NOTICE, WITHOUT RESTITUTION, AND SUBJECT TO SPECIAL ASSESSMENT (IC 36-9-27-33).
- THIS SITE PLOTS BY SCALE AS BEING WITHIN A REGULATED WATERSHED. ANY AND ALL SITE IMPROVEMENTS WITHIN A REGULATED WATERSHED ARE SUBJECT TO REVIEW BY THE JOHNSON COUNTY DRAINAGE BOARD. ALL TRACTS WITHIN A REGULATED DRAIN WATERSHED ARE SUBJECT TO ASSESSMENTS FOR MAINTENANCE (IC 36-9- 27-44), AND WHEN PRACTICABLE, RECONSTRUCTION (IC 36-9-27-51).
- NO CONSTRUCTION, OR IMPROVEMENTS SHALL IMPAIR OR NEGATIVELY IMPACT ANY PRIVATE DRAIN TILE (IC 36-9-27-2) KNOWN OR UNKNOWN. NO CONSTRUCTION, OR IMPROVEMENTS SHALL IMPAIR, IMPEDE, OR NEGATIVELY IMPACT, A NATURAL SURFACE WATERCOURSE (IC 36-9-27.4-3). WHEN ENCOUNTERED SAID TILE OR WATERCOURSE WILL BE DESIGNED, AND RE-ROUTED SO NOT TO IMPEDE, IMPAIR, OR NEGATIVELY IMPACT SURFACE OR SUBSURFACE WATER FLOW.
- PRIVATE TILES, AND MUTUAL DRAIN CONNECTIONS TO REGULATED DRAIN (IC 36-27-9-17). ALL CONNECTIONS, OR OUT-LETS INTO A REGULATED DRAIN ARE SUBJECT TO APPROVAL BY THE COUNTY SURVEYOR (≤ 10"), OR THE JOHNSON COUNTY DRAINAGE BOARD (≥ 11"). APPLICATIONS ARE AVAILABLE IN THE COUNTY SURVEYOR'S OFFICE AND SHOULD INCLUDE ALL MAPS, PLANS, SPECIFICATIONS, BONDING, EASEMENT VERBIAGE, APPLICATION FEES AND OWNERS STATEMENT OF WATER QUALITY (IC 36-27-9-23), PRIOR TO APPROVAL.

FLOODPLAIN BFE NOTE

THE BASE FLOOD ELEVATION (BFE) SHOWN FROM THE FEMA FLOOD MAPS FOR THIS SITE ARE FOR REFERENCE ONLY AND MAY NOT PRESENT THE TRUE EXTENTS OF THE FLOODPLAIN RELATIVE TO THE ACTUAL ONSITE TOPOGRAPHY.

OWNER

CLARK-PLEASANT COMMUNITY
SCHOOL CORPORATION
50 CENTER STREET
WHITELAND, IN 46184
PHONE: (317) 535-3277
CONTACT: SAM ARNES
EMAIL: sarnes@cpcsc.k12.in.us

ENGINEER

CROSSROAD ENGINEERS, PC
115 N. 17TH AVENUE
BEECH GROVE, IN 46107
PHONE: (317) 780-1555
CONTACT: DEREK M. SNYDER
EMAIL: dsnyder@crossroadengineers.com

DIRECTORY PATH : R:\Active\Lawrence Baker\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 100 TITLE SHEET PH 5.dwg
DATE/USER : 3/6/2026 10:00 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

TITLE SHEET

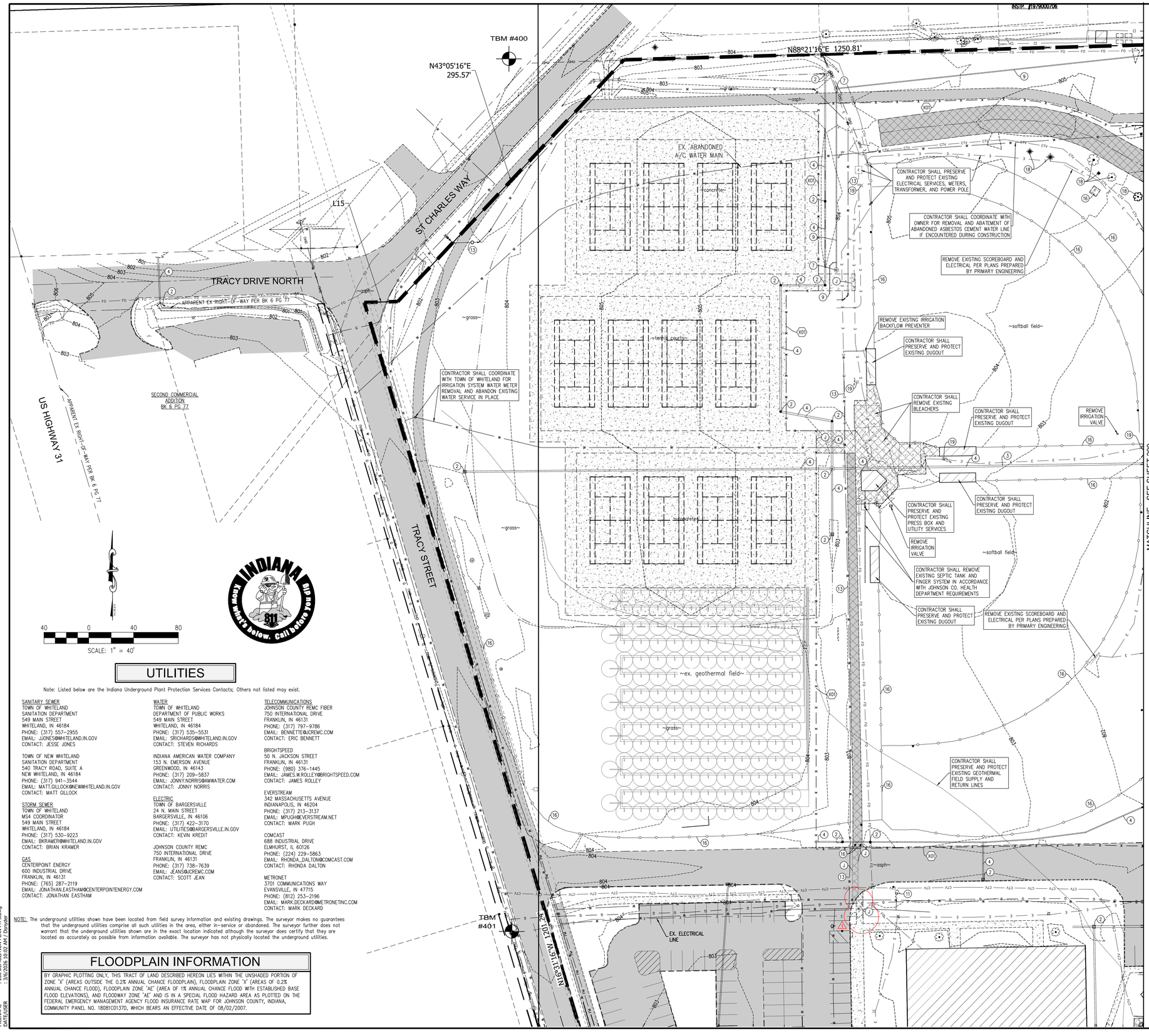
WHITELAND HIGH SCHOOL PHASE 5

JOB No. - | DRAWN KLF | CHECKED TEN | APPR. GJI
DATE FEBRUARY 2, 2026 | DESIGNED DMS | DRAWN DMS | CHECKED GJI

SHEET 100

DEREK M. SNYDER — REGISTERED PROFESSIONAL ENGINEER — NO. 11200008 — STATE OF INDIANA

NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI
2	03.06.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI
3				
4				
5				
6				
7				
8				
9				



DEMOLITION LEGEND

- (J) FULL DEPTH SAWCUT
- (1) EX. STORM STRUCTURE, REMOVE
- (2) EX. STORM STRUCTURE, TO REMAIN
- (3) EX. STORM SEWER, REMOVE
- (4) EX. STORM SEWER, TO REMAIN
- (5) EX. STORM SEWER, CUT & CAP W/CONCRETE BULKHEAD
- (6) EX. SANITARY STRUCTURE, REMOVE
- (7) EX. SANITARY STRUCTURE, TO REMAIN
- (8) EX. SANITARY SEWER, REMOVE
- (9) EX. SANITARY SEWER, TO REMAIN
- (10) EX. FIRE HYDRANT ASSEMBLY, REMOVE
- (11) EX. FIRE HYDRANT ASSEMBLY, TO REMAIN
- (12) EX. WATER LINE, REMOVE
- (13) EX. WATER LINE, TO REMAIN
- (14) EX. LIGHT POLE & FOUNDATION, REMOVE
- (15) EX. LIGHT POLE & FOUNDATION, TO REMAIN
- (16) EX. FENCE/BOLLARD, REMOVE
- (17) EX. BUILDING, DEMOLISH
- (18) EX. TREE, REMOVE
- (19) EX. ATHLETIC FIELD LIGHT, MODIFY (SEE PRIMARY PLANS)
- (B1) RELOCATE EX. BLEACHER 1 (SEE CONTEXT PLANS)
- (B2) RELOCATE EX. BLEACHER 2 (SEE CONTEXT PLANS)
- (B3) RELOCATE EX. BLEACHER 3 (SEE CONTEXT PLANS)
- (B4) RELOCATE EX. BLEACHER 4 (SEE CONTEXT PLANS)
- PAVEMENT/CONCRETE REMOVAL
- (X01) TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS

PROPERTY BOUNDARY SHOWN IS PRELIMINARY PENDING COMPLETION OF THE ALTA/NSPS LAND TITLE SURVEY BEING PREPARED BY G.W. CHARLES, L.S. WITH CROSSROAD ENGINEERS, P.C.

EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

EXISTING LEGEND

- POWERPOLE
- POWERPOLE W/RISER
- POWERPOLE W/LIGHT
- LIGHT POLE
- ELECTRIC METER
- ELECTRIC BOX
- YARD LIGHT
- GUIDE WIRE
- TELEPHONE MANHOLE
- TELEPHONE RISER
- WATER VALVE
- FIRE HYDRANT
- WELL
- WATER MANHOLE
- WATER METER
- GAS VALVE
- GAS VALVE
- CABLE TV RISER
- CLEANOUT
- SIGN
- MAILBOX
- STORM ROUND INLET
- STORM CURB INLET
- RIGHT-OF-WAY MARKER
- TREE, BUSH & STUMP
- TEMP. BENCHMARK
- MONUMENT FOUND
- 800 CONTOURS
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY
- EASEMENT
- ADJOINER LINE
- PAVEMENT LINE
- FIELD LINE
- PRIVACY FENCE
- CHAINLINK FENCE
- SPLIT RAIL FENCE
- WIRE FENCE
- DITCH
- GAS LINE
- TELEPHONE LINE
- WATER LINE
- CABLE TV LINE
- ELECTRIC LINE
- OVERHEAD UTILITY LINE
- TREE LINE
- SANITARY SEWER W/MANHOLE
- STORM SEWER W/ MANHOLE & END SECTION
- (D) DEED (M) MEASURE (PS) PLAT SURVEY
- ASPHALT
- GRAVEL
- BUILDING
- CONCRETE

UTILITIES

Note: Listed below are the Indiana Underground Plant Protection Services Contacts; Others not listed may exist.

SANITARY SEWER
TOWN OF WHITELAND
SANITATION DEPARTMENT
549 MAIN STREET
WHITELAND, IN 46184
PHONE: (317) 557-2955
EMAIL: JJONES@WHITELAND.IN.GOV
CONTACT: JESSE JONES

TOWN OF NEW WHITELAND
SANITATION DEPARTMENT
540 TRACY ROAD, SUITE A
NEW WHITELAND, IN 46184
PHONE: (317) 941-3544
EMAIL: MATT.GILLOCK@NEWWHITELAND.IN.GOV
CONTACT: MATT GILLOCK

STORM SEWER
TOWN OF WHITELAND
MS4 COORDINATOR
549 MAIN STREET
WHITELAND, IN 46184
PHONE: (317) 530-9223
EMAIL: BKRAMER@WHITELAND.IN.GOV
CONTACT: BRIAN KRAMER

GAS
CENTERPOINT ENERGY
600 INDUSTRIAL DRIVE
FRANKLIN, IN 46131
PHONE: (765) 287-2119
EMAIL: JONATHAN.EASTHAM@CENTERPOINTENERGY.COM
CONTACT: JONATHAN EASTHAM

WATER
TOWN OF WHITELAND
DEPARTMENT OF PUBLIC WORKS
549 MAIN STREET
WHITELAND, IN 46184
PHONE: (317) 535-5531
EMAIL: SRICHARDS@WHITELAND.IN.GOV
CONTACT: STEVEN RICHARDS

INDIANA AMERICAN WATER COMPANY
153 N. EMERSON AVENUE
GREENWOOD, IN 46143
PHONE: (317) 209-5837
EMAIL: JONNY.NORRIS@AMWATER.COM
CONTACT: JONNY NORRIS

ELECTRIC
TOWN OF BARGERSVILLE
24 N. MAIN STREET
BARGERSVILLE, IN 46106
PHONE: (317) 422-3170
EMAIL: UTILITIES@BARGERSVILLE.IN.GOV
CONTACT: KEVIN KREDIT

JOHNSON COUNTY REMC
750 INTERNATIONAL DRIVE
FRANKLIN, IN 46131
PHONE: (317) 738-7639
EMAIL: JEANS@JCREMC.COM
CONTACT: SCOTT JEAN

TELECOMMUNICATIONS
JOHNSON COUNTY REMC FIBER
750 INTERNATIONAL DRIVE
FRANKLIN, IN 46131
PHONE: (317) 797-9786
EMAIL: BENNETTE@JCREMC.COM
CONTACT: ERIC BENNETT

BRIGHTSPEED
50 N. JACKSON STREET
FRANKLIN, IN 46131
PHONE: (980) 376-1445
EMAIL: JAMES.W.ROLLEY@BRIGHTSPEED.COM
CONTACT: JAMES ROLLEY

EVERSTREAM
342 MASSACHUSETTS AVENUE
INDIANAPOLIS, IN 46204
PHONE: (317) 213-3137
EMAIL: MPUGH@EVERSTREAM.NET
CONTACT: MARK PUGH

COMCAST
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
PHONE: (224) 229-5863
EMAIL: RHONDA_DALTON@COMCAST.COM
CONTACT: RHONDA DALTON

METRONET
3701 COMMUNICATIONS WAY
EVANSVILLE, IN 47715
PHONE: (812) 253-2196
EMAIL: MARK.DECKARD@METRONETINC.COM
CONTACT: MARK DECKARD

NOTE: The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although the surveyor does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

FLOODPLAIN INFORMATION

BY GRAPHIC PLOTTING ONLY, THIS TRACT OF LAND DESCRIBED HEREON LIES WITHIN THE UNSHADED PORTION OF ZONE 'X' (AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), FLOODPLAIN ZONE 'X' (AREAS OF 0.2% ANNUAL CHANCE FLOOD), FLOODPLAIN ZONE 'AE' (AREA OF 1% ANNUAL CHANCE FLOOD WITH ESTABLISHED BASE FLOOD ELEVATIONS), AND FLOODWAY ZONE 'AE' AND IS IN A SPECIAL FLOOD HAZARD AREA AS PLOTTED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR JOHNSON COUNTY, INDIANA, COMMUNITY PANEL NO. 18081C0137D, WHICH BEARS AN EFFECTIVE DATE OF 08/02/2007.

DEMOLITION PLAN NOTES

1. CONTRACTOR SHALL DISPOSE OF ALL MATERIALS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
2. UTILITIES ARE GRAPHICAL REPRESENTATION PER SURVEY AND MAPPING. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES FOR SERVICE DIS-CONNECTIONS AND/OR RELOCATIONS.
4. CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING TREES AND SHRUBS UNLESS OTHERWISE NOTED. CONTRACTOR SHALL STRIP ALL GROUND COVER VEGETATION AND TOPSOIL FROM WITHIN THE CONSTRUCTION LIMITS.
5. CONTRACTOR SHALL REMOVE ALL ASPHALT AND CONCRETE PAVEMENT, SIDEWALKS, AND CURBS FROM WITHIN THE CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL FIELD LOCATE AND MARK ALL EXISTING ROOF DRAIN AND SANITARY SEWER LATERALS WHERE THEY EXIT THE BUILDING PRIOR TO CONSTRUCTION.
7. CONTRACTOR SHALL VERIFY PARKING LOT LIGHT POLE AND ELECTRIC LINE REMOVAL LIMITS WITH THE SITE LIGHTING PLAN PREPARED BY PRIMARY ENGINEERING, INC. PRIOR TO CONSTRUCTION.
8. CONTRACTOR SHALL CONFIRM DEMOLITION SEQUENCING WITH THE SKILLMAN CORPORATION PRIOR TO CONSTRUCTION.
9. CONTRACTOR SHALL COORDINATE WITH THE TOWN OF WHITELAND FOR REMOVAL OF THE EXISTING IRRIGATION SYSTEM WATER METER AND ABANDON THE EXISTING WATER SERVICE IN PLACE. CONTRACTOR SHALL REMOVE THE ENTIRE IRRIGATION SYSTEM INCLUDING BUT NOT LIMITED TO DISTRIBUTION LINES, SPRINKLER HEADS, VALVES, AND CONTROLS FROM WITHIN THE LIMITS OF THE NEW TURF FIELDS.

DIRECTORY PATH : R:\Active\Jensen-Reeb\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 208 DEMOLITION PLAN PH 5.dwg
DATE/USER : 3/6/2026 10:02 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

DEMOLITION PLAN

WHITELAND HIGH SCHOOL PHASE 5

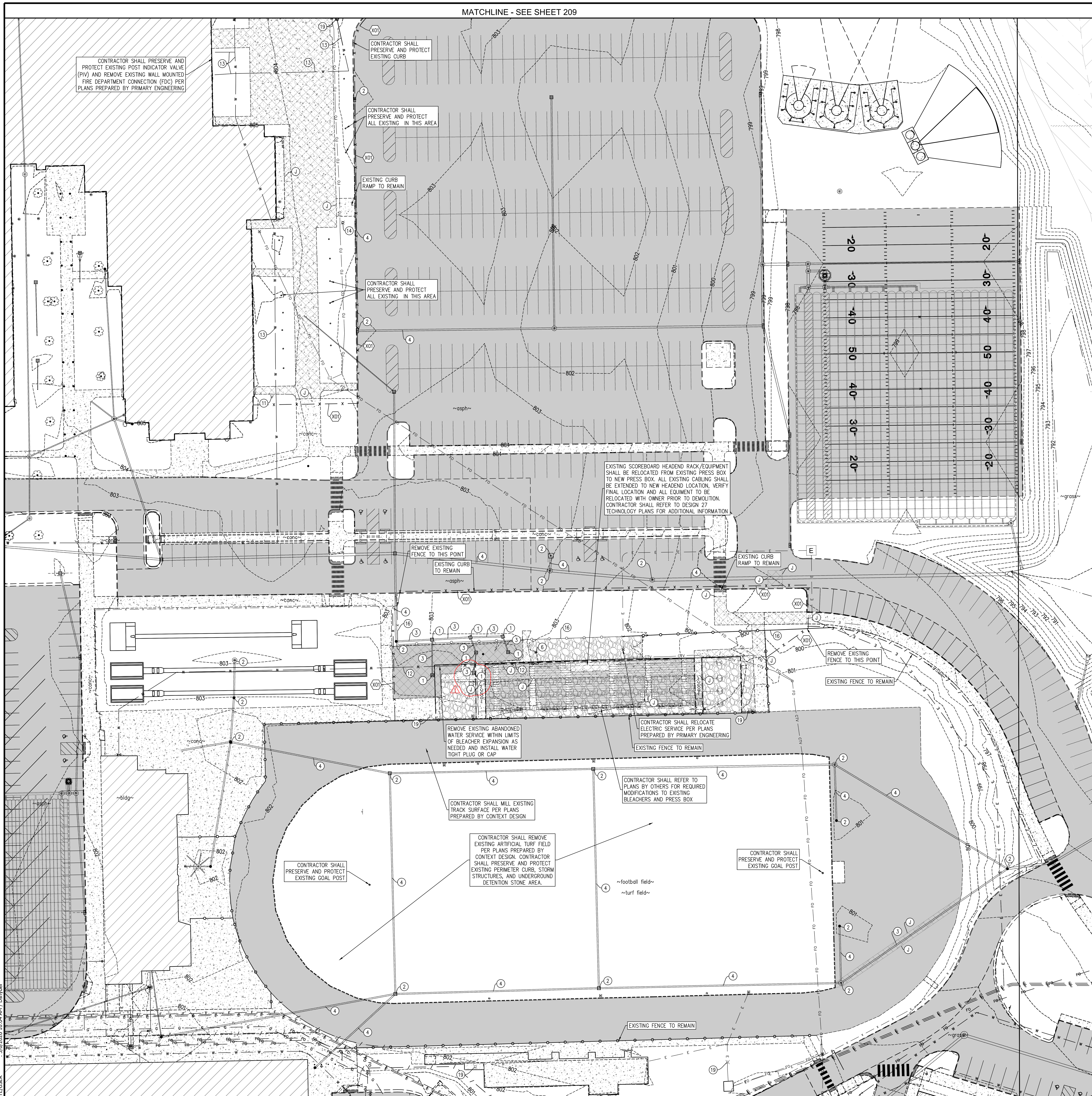
JOB No.	.	DRAWN	KLF	CHECKED	TEN	APPR.	GJI
DATE	FEBRUARY 2, 2026	DESIGNED	DMS				

SHEET 208

REGISTERED DEREK M. SNYDER NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY	APPR.
2	03.06.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI
1	02.09.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI

SHEET 208


MATCHLINE - SEE SHEET 209
CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING POST INDICATOR VALVE (PIV) AND REMOVE EXISTING WALL MOUNTED FIRE DEPARTMENT CONNECTION (FDC) PER PLANS PREPARED BY PRIMARY ENGINEERING
CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING CURB
CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING IN THIS AREA
EXISTING CURB RAMP TO REMAIN
CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING IN THIS AREA
EXISTING SCOREBOARD HEADEND RACK/EQUIPMENT SHALL BE RELOCATED FROM EXISTING PRESS BOX TO NEW PRESS BOX. ALL EXISTING CABLING SHALL BE EXTENDED TO NEW HEADEND LOCATION, VERIFY FINAL LOCATION AND ALL EQUIMENT TO BE RELOCATED WITH OWNER PRIOR TO DEMOLITION. CONTRACTOR SHALL REFER TO DESIGN 27 TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION
REMOVE EXISTING FENCE TO THIS POINT
EXISTING CURB RAMP TO REMAIN
EXISTING CURB RAMP TO REMAIN
REMOVE EXISTING FENCE TO THIS POINT
EXISTING FENCE TO REMAIN
REMOVE EXISTING ABANDONED WATER SERVICE WITHIN LIMITS OF BLEACHER EXPANSION AS NEEDED AND INSTALL WATER TIGHT PLUG OR CAP
CONTRACTOR SHALL RELOCATE ELECTRIC SERVICE PER PLANS PREPARED BY PRIMARY ENGINEERING
EXISTING FENCE TO REMAIN
CONTRACTOR SHALL REFER TO PLANS BY OTHERS FOR REQUIRED MODIFICATIONS TO EXISTING BLEACHERS AND PRESS BOX
CONTRACTOR SHALL MILL EXISTING TRACK SURFACE PER PLANS PREPARED BY CONTEXT DESIGN
CONTRACTOR SHALL REMOVE EXISTING ARTIFICIAL TURF FIELD PER PLANS PREPARED BY CONTEXT DESIGN. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING PERIMETER CURB, STORM STRUCTURES, AND UNDERGROUND DETENTION STONE AREA.
CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING GOAL POST
CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING GOAL POST
~football field~
~turf field~
EXISTING FENCE TO REMAIN
SCALE: 1" = 40'

EXISTING LEGEND

POWERPOLE		800	CONTOURS
POWERPOLE W/RISER			PROPERTY LINE
POWERPOLE W/LIGHT			SECTION LINE
LIGHT POLE			RIGHT-OF-WAY
ELECTRIC METER			EASEMENT
ELECTRIC BOX			ADJOINER LINE
YARD LIGHT			PAVEMENT LINE
GUIDE WIRE			FIELD LINE
TELEPHONE MANHOLE			PRIVACY FENCE
TELEPHONE RISER			CHAINLINK FENCE
WATER VALVE			SPLIT RAIL FENCE
FIRE HYDRANT			WIRE FENCE
WELL			DITCH
WATER MANHOLE			GAS LINE
WATER METER			TELEPHONE LINE
GAS VALVE			WATER LINE
GAS VALVE			CABLE TV LINE
CABLE TV RISER			ELECTRIC LINE
CLEANOUT			OVERHEAD UTILITY LINE
SIGN			TREE LINE
MAILBOX			SANITARY SEWER W/MANHOLE
STORM ROUND INLET			
STORM CURB INLET			STORM SEWER W/ MANHOLE & END SECTION
RIGHT-OF-WAY MARKER			
TREE, BUSH & STUMP	(D) DEED	(M) MEASURE	(PS) PLAT SURVEY
TEMP. BENCHMARK	ASPHALT	BUILDING	
MONUMENT FOUND	GRAVEL	CONCRETE	

DEMOLITION LEGEND

J	FULL DEPTH SAWCUT
1	EX. STORM STRUCTURE, REMOVE
2	EX. STORM STRUCTURE, TO REMAIN
3	EX. STORM SEWER, REMOVE
4	EX. STORM SEWER, TO REMAIN
5	EX. STORM SEWER, CUT & CAP W/CONCRETE BULKHEAD
6	EX. SANITARY STRUCTURE, REMOVE
7	EX. SANITARY STRUCTURE, TO REMAIN
8	EX. SANITARY SEWER, REMOVE
9	EX. SANITARY SEWER, TO REMAIN
10	EX. FIRE HYDRANT ASSEMBLY, REMOVE
11	EX. FIRE HYDRANT ASSEMBLY, TO REMAIN
12	EX. WATER LINE, REMOVE
13	EX. WATER LINE, TO REMAIN
14	EX. LIGHT POLE & FOUNDATION, REMOVE
15	EX. LIGHT POLE & FOUNDATION, TO REMAIN
16	EX. FENCE/BOLLARD, REMOVE
17	EX. BUILDING, DEMOLISH
18	EX. TREE, REMOVE
19	EX. ATHLETIC FIELD LIGHT, MODIFY (SEE PRIMARY PLANS)
B1	RELOCATE EX. BLEACHER 1 (SEE CONTEXT PLANS)
B2	RELOCATE EX. BLEACHER 2 (SEE CONTEXT PLANS)
B3	RELOCATE EX. BLEACHER 3 (SEE CONTEXT PLANS)
B4	RELOCATE EX. BLEACHER 4 (SEE CONTEXT PLANS)
	PAVEMENT/CONCRETE REMOVAL
X01	TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS

DEMOLITION PLAN NOTES

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6. CONTRACTOR SHALL FIELD LOCATE AND MARK ALL EXISTING ROOF DRAIN AND SANITARY SEWER LATERALS WHERE THEY EXIT THE BUILDING PRIOR TO CONSTRUCTION.
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8. CONTRACTOR SHALL CONFIRM DEMOLITION SEQUENCING WITH THE SKILLMAN CORPORATION PRIOR TO CONSTRUCTION.
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PROPERTY BOUNDARY SHOWN IS PRELIMINARY PENDING COMPLETION OF THE ALTA/NSPS LAND TITLE SURVEY BEING PREPARED BY G.W. CHARLES, L.S. WITH CROSSROAD ENGINEERS, P.C.

FLOODPLAIN INFORMATION

BY GRAPHIC PLOTTING ONLY, THIS TRACT OF LAND DESCRIBED HEREON LIES WITHIN THE UNSHADED PORTION OF ZONE 'X' (AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), FLOODPLAIN ZONE 'X' (AREAS OF 0.2% ANNUAL CHANCE FLOOD), FLOODPLAIN ZONE 'AE' (AREA OF 1% ANNUAL CHANCE FLOOD WITH ESTABLISHED BASE FLOOD ELEVATIONS), AND FLOODWAY ZONE 'AE' AND IS IN A SPECIAL FLOOD HAZARD AREA AS PLOTTED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR JOHNSON COUNTY, INDIANA, COMMUNITY PANEL NO. 18081C0137D, WHICH BEARS AN EFFECTIVE DATE OF 08/02/2007.

UTILITIES

Note: Listed below are the Indiana Underground Plant Protection Services Contacts; Others not listed may exist.

SANITARY SEWER
TOWN OF WHITELAND
SANITATION DEPARTMENT
549 MAIN STREET
WHITELAND, IN 46184
PHONE: (317) 557-2955
EMAIL: JJONES@WHITELAND.IN.GOV
CONTACT: JESSE JONES

TOWN OF NEW WHITELAND
SANITATION DEPARTMENT
540 TRACY ROAD, SUITE A
NEW WHITELAND, IN 46184
PHONE: (317) 941-3544
EMAIL: MATT.GILLOCK@NEWWHITELAND.IN.GOV
CONTACT: MATT GILLOCK

STORM SEWER
TOWN OF WHITELAND
MS4 COORDINATOR
549 MAIN STREET
WHITELAND, IN 46184
PHONE: (317) 530-9223
EMAIL: BKRAMER@WHITELAND.IN.GOV
CONTACT: BRIAN KRAMER

GAS
CENTERPOINT ENERGY
600 INDUSTRIAL DRIVE
FRANKLIN, IN 46131
PHONE: (765) 287-2119
EMAIL: JONATHAN.EASTHAM@CENTERPOINTENERGY.COM
CONTACT: JONATHAN EASTHAM

WATER
TOWN OF WHITELAND
DEPARTMENT OF PUBLIC WORKS
549 MAIN STREET
WHITELAND, IN 46184
PHONE: (317) 535-5531
EMAIL: SRICHARDS@WHITELAND.IN.GOV
CONTACT: STEVEN RICHARDS

INDIANA AMERICAN WATER COMPANY
153 N. EMERSON AVENUE
GREENWOOD, IN 46143
PHONE: (317) 209-5837
EMAIL: JONNY.NORRIS@AMWATER.COM
CONTACT: JONNY NORRIS

ELECTRIC
TOWN OF BARGERSVILLE
24 N. MAIN STREET
BARGERSVILLE, IN 46106
PHONE: (317) 422-3170
EMAIL: UTILITIES@BARGERSVILLE.IN.GOV
CONTACT: KEVIN KREDIT

JOHNSON COUNTY REMC
750 INTERNATIONAL DRIVE
FRANKLIN, IN 46131
PHONE: (317) 738-7639
EMAIL: JEANS@JCREMC.COM
CONTACT: SCOTT JEAN

TELECOMMUNICATIONS
JOHNSON COUNTY REMC FIBER
750 INTERNATIONAL DRIVE
FRANKLIN, IN 46131
PHONE: (317) 797-9786
EMAIL: BENNETTE@JCREMC.COM
CONTACT: ERIC BENNETT

BRIGHTSPEED
50 N. JACKSON STREET
FRANKLIN, IN 46131
PHONE: (980) 376-1445
EMAIL: JAMES.W.ROLLEY@BRIGHTSPEED.COM
CONTACT: JAMES ROLLEY

EVERSTREAM
342 MASSACHUSETTS AVENUE
INDIANAPOLIS, IN 46204
PHONE: (317) 213-3137
EMAIL: MPUGH@EVERSTREAM.NET
CONTACT: MARK PUGH

COMCAST
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
PHONE: (224) 229-5863
EMAIL: RHONDA_DALTON@COMCAST.COM
CONTACT: RHONDA DALTON

METRONET
3701 COMMUNICATIONS WAY
EVANSVILLE, IN 47715
PHONE: (812) 253-2196
EMAIL: MARK.DECKARD@METRONETINC.COM
CONTACT: MARK DECKARD

NOTE: The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although the surveyor does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

DEMOLITION PLAN

WHITELAND HIGH SCHOOL PHASE 5

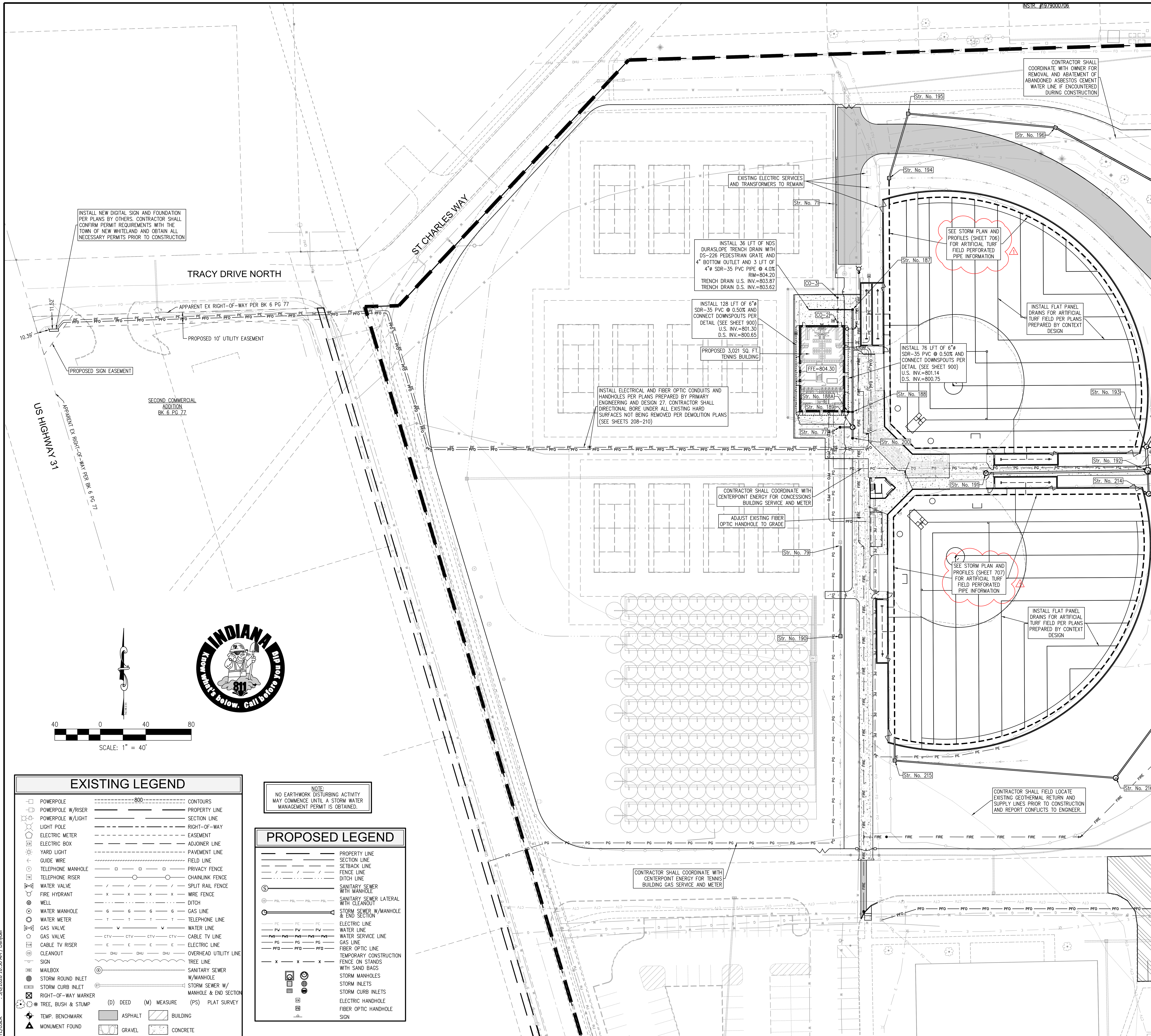
JOB No.	.	DRAWN	KLF	CHECKED	TEN
DATE	FEBRUARY 2, 2026	DESIGNED	DMS	APPR.	GJI

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

DEREK M. SNYDER
REGISTERED PROFESSIONAL ENGINEER
NO. 11200008
STATE OF INDIANA

NO.	DATE	REVISIONS	BY	APPR.
2	03.06.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI
1	02.09.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI

DIRECTORY PATH: R:\Active\Lancer+Beebe\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME: 210 DEMOLITION PLAN PH 5.dwg
DATE/USER: 3/6/2026 10:04 AM / Dsnyder


TRACY DRIVE NORTH
ST CHARLES WAY
US HIGHWAY 31
INSTALL NEW DIGITAL SIGN AND FOUNDATION PER PLANS BY OTHERS. CONTRACTOR SHALL CONFIRM PERMIT REQUIREMENTS WITH THE TOWN OF NEW WHITELAND AND OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION
APPARENT EX RIGHT-OF-WAY PER BK 6 PG 77
PROPOSED 10' UTILITY EASEMENT
PROPOSED SIGN EASEMENT
SECOND COMMERCIAL ADDITION BK 6 PG 77
EXISTING ELECTRIC SERVICES AND TRANSFORMERS TO REMAIN
CONTRACTOR SHALL COORDINATE WITH OWNER FOR REMOVAL AND ABATEMENT OF ABANDONED ASBESTOS CEMENT WATER LINE IF ENCOUNTERED DURING CONSTRUCTION
INSTALL 36 LFT OF NDS DURASLOPE TRENCH DRAIN WITH DS-226 PEDESTRIAN GRATE AND 4" BOTTOM OUTLET AND 3 LFT OF 4"ø SDR-35 PVC PIPE @ 4.0% RIM=804.20 TRENCH DRAIN U.S. INV.=803.87 TRENCH DRAIN D.S. INV.=803.62
INSTALL 128 LFT OF 6"ø SDR-35 PVC @ 0.50% AND CONNECT DOWNSPOUTS PER DETAIL (SEE SHEET 900) U.S. INV.=801.30 D.S. INV.=800.65
PROPOSED 3,021 SQ. FT. TENNIS BUILDING
FFE=804.30
INSTALL ELECTRICAL AND FIBER OPTIC CONDUITS AND HANDHOLES PER PLANS PREPARED BY PRIMARY ENGINEERING AND DESIGN 27. CONTRACTOR SHALL DIRECTIONAL BORE UNDER ALL EXISTING HARD SURFACES NOT BEING REMOVED PER DEMOLITION PLANS (SEE SHEETS 208-210)
SEE STORM PLAN AND PROFILES (SHEET 706) FOR ARTIFICIAL TURF FIELD PERFORATED PIPE INFORMATION
INSTALL FLAT PANEL DRAINS FOR ARTIFICIAL TURF FIELD PER PLANS PREPARED BY CONTEXT DESIGN
INSTALL 76 LFT OF 6"ø SDR-35 PVC @ 0.50% AND CONNECT DOWNSPOUTS PER DETAIL (SEE SHEET 900) U.S. INV.=801.14 D.S. INV.=800.75
CONTRACTOR SHALL COORDINATE WITH CENTERPOINT ENERGY FOR CONCESSIONS BUILDING SERVICE AND METER
ADJUST EXISTING FIBER OPTIC HANDHOLE TO GRADE
SEE STORM PLAN AND PROFILES (SHEET 707) FOR ARTIFICIAL TURF FIELD PERFORATED PIPE INFORMATION
CONTRACTOR SHALL FIELD LOCATE EXISTING GEOTHERMAL RETURN AND SUPPLY LINES PRIOR TO CONSTRUCTION AND REPORT CONFLICTS TO ENGINEER.
CONTRACTOR SHALL COORDINATE WITH CENTERPOINT ENERGY FOR TENNIS BUILDING GAS SERVICE AND METER
MATCHLINE - SEE SHEET 401
NOTE: NO EARTH DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.
SCALE: 1" = 40'
EXISTING LEGEND
PROPOSED LEGEND

STORM SEWER STRUCTURE TABLE
STR. DATA
STR. NO. 71 EXISTING 12" NYLOPLAST DRAIN INSTALL 15" X 12" INLINE DRAIN ADAPTER AND 15" DOME GRATE MODIFY BASIN AS NEEDED TO MAINTAIN EXISTING RIM ELEVATION RIM=803.66 INV IN (12"~N)=800.56 INV OUT (12"~S)=800.56
STR. NO. 77 EXISTING 24" NYLOPLAST DRAIN MECHANICALLY CORE AND CONNECT NEW STORM SEWER USING ADD-A-BRANCH ADAPTER ADJUST CASTING TO GRADE (EX. RIM = 803.69) RIM=804.09 INV IN (12"~E)=800.04 INV IN (18"~W)=799.63 INV OUT (18"~S)=799.54
STR. NO. 79 EXISTING STORM INLET MECHANICALLY CORE AND CONNECT PIPE FROM STR. NO. 190 RIM=802.72 INV IN (12"~S)=799.60 INV OUT (12"~N)=799.50
STR. NO. 187 INSTALL 12" NYLOPLAST DRAIN WITH PEDESTRIAN GRATE AND 90 LFT OF 12"ø VARIABLE RISER HEIGHT DURASLOT HDPE PIPE @ 0.35% RIM=804.20 INV IN (4"~W)=801.27 INV OUT (12"~S)=800.60
STR. NO. 188 INSTALL 12" NYLOPLAST DRAIN WITH PEDESTRIAN GRATE AND 13 LFT OF 12"ø HDPE PIPE @ 0.37% RIM=804.20 INV IN (12"~N)=800.29 INV IN (8"~W)=800.56 INV OUT (12"~S)=800.23
STR. NO. 188A INSTALL 12" NYLOPLAST DRAIN WITH SOLID COVER AND 4 LFT OF 8"ø PVC PIPE @ 0.50% RIM=804.26 INV IN (6"~W)=800.75 INV IN (6"~S)=800.65 INV IN (6"~N)=800.75 INV OUT (8"~E)=800.58
STR. NO. 189 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 11 LFT OF 12"ø HDPE PIPE @ 0.37% RIM=803.97 INV IN (12"~N)=800.18 INV IN (12"~S)=800.18 INV OUT (12"~W)=800.08
STR. NO. 190 INSTALL TYPE 'E' INLET WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 80 LFT OF 12"ø CL IV RCP @ 0.31% RIM=802.41 INV OUT (12"~N)=799.85
STR. NO. 191 INSTALL TYPE 'C' DOGHOUSE MANHOLE WITH NEENAH R-3210-Q CASTING OR AN APPROVED EQUAL AND 142 LFT OF 18"ø HDPE PIPE @ 1.00% RIM=803.31 INV IN (18"~W)=798.73 INV OUT (18"~E)=798.63

STORM SEWER STRUCTURE TABLE
STR. DATA
STR. NO. 192 INSTALL TYPE 'J' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 78 LFT OF 30"ø HDPE PIPE @ 0.20% RIM=802.58 INV IN (12"~S)=797.95 INV IN (24"~N)=793.60 INV IN (18"~W)=797.21 INV OUT (30"~E)=793.10
STR. NO. 193 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 21 LFT OF 24"ø HDPE PIPE @ 0.38% RIM=802.00 INV IN (24"~NE)=793.78 INV IN (4"~E)=798.97 INV IN (12"~W)=798.27 INV OUT (24"~S)=793.68
STR. NO. 194 INSTALL TYPE 'F' INLET WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 59 LFT OF 12"ø HDPE PIPE @ 0.90% RIM=802.93 INV IN (12"~S)=798.28 INV OUT (12"~N)=798.18
STR. NO. 195 INSTALL TYPE 'F' INLET WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 130 LFT OF 12"ø HDPE PIPE @ 1.00% RIM=802.50 INV IN (12"~S)=797.65 INV OUT (12"~E)=797.55
STR. NO. 196 INSTALL TYPE 'F' INLET WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 134 LFT OF 15"ø HDPE PIPE @ 0.39% RIM=802.50 INV IN (12"~W)=796.25 INV OUT (15"~SE)=796.00
STR. NO. 200 INSTALL 12" NYLOPLAST BASIN WITH PEDESTRIAN GRATE AND 10 LFT OF 12"ø HDPE PIPE @ 0.31% RIM=803.81 INV OUT (12"~N)=800.21
STR. NO. 214 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-2561 CASTING OR AN APPROVED EQUAL AND 21 LFT OF 12"ø HDPE PIPE @ 1.22% RIM=802.50 INV IN (12"~W)=798.20 INV OUT (12"~N)=798.20
STR. NO. 215 INSTALL TYPE 'F' INLET WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 195 LFT OF 12"ø HDPE PIPE @ 0.84% RIM=801.83 INV IN (12"~N)=798.12 INV OUT (12"~E)=797.98
STR. NO. 216 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 222 LFT OF 12"ø HDPE PIPE @ 0.84% RIM=802.12 INV IN (12"~W)=796.34 INV OUT (12"~NE)=796.25

SANITARY SEWER LATERAL TABLE

INSTALL SANITARY SEWER CLEANOUT AND SDR-35 PVC SANITARY LATERAL AS INDICATED BELOW. CONTRACTOR SHALL CONFIRM LATERAL CONNECTION LOCATIONS AND DEPTH/INVERT WITH PLUMBING PLAN.

RUN	DIAMETER	LENGTH	SLOPE	U.S. INV.	D.S. INV.	CO TYPE
CO-2	6"	22'	1.05%	800.36	800.13	TYPE 2

NOTE:
1. CONTRACTOR SHALL CONNECT CO-2 TO EXISTING CLEANOUT (CO-3) AND ADJUST EXISTING CLEANOUT TO GRADE.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING LATERAL DEPTH/CLEANOUT INVERT PRIOR TO CONSTRUCTION AND REPORT DISCREPANCIES TO ENGINEER.

UTILITY NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
2. CONTRACTOR SHALL REFER TO THE ELECTRICAL SITE PLAN PREPARED BY PRIMARY ENGINEERING, INC. FOR SITE AND ATHLETIC FIELD LIGHTING LAYOUT, SPECIFICATIONS, AND ELECTRICAL SERVICE REQUIREMENTS.
3. ALL STORM SEWER CASTINGS SHALL BE NPDES PHASE II COMPLIANT. CASTINGS SHALL BE MANUFACTURED WITH A STATEMENT SAYING: "DUMP NO WASTE, DRAINS TO RIVER" IN ½" RAISED LETTERS.
4. ALL FIELD TILES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEW STORMWATER FACILITIES.
5. CONTRACTOR SHALL COORDINATE CONSTRUCTION SEQUENCE WITH THE OWNER AND SKILLMAN CORPORATION AND MAINTAIN ACTIVE UTILITY SERVICES AT ALL TIMES. ALL TEMPORARY UTILITY SERVICE INTERRUPTIONS MUST BE APPROVED BY THE OWNER AND SKILLMAN CORPORATION PRIOR TO INSTALLATION OF IMPROVEMENTS.
6. EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.
7. CONTRACTOR SHALL CONFIRM SANITARY LATERAL LOCATIONS, DIAMETERS, AND INVERT ELEVATIONS EXITING THE BUILDING WITH THE MEP PLANS PRIOR TO CONSTRUCTION.
8. CONTRACTOR SHALL CONNECT ROOF DRAINS AND DOWNSPOUTS TO STORM STRUCTURES AS SHOWN. CONFIRM LOCATIONS AND DIAMETERS WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
9. ALL MODIFICATIONS TO EXISTING NYLOPLAST DRAIN BASINS SHALL BE COMPLETED IN ACCORDANCE WITH THE MANUFACTURER'S DETAILS, SPECIFICATIONS, AND REQUIREMENTS.

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

UTILITY PLAN

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	.	DRAWN	KLF
CHECKED	TEN	DATE	FEBRUARY 2, 2026
DESIGNED	DMS	APPR.	GJI

DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY	APPR.
9				
8				
7				
6				
5				
4				
3				
2	03.06.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI
1	02.09.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI

EXISTING LEGEND

- POWERPOLE
- POWERPOLE W/RISER
- POWERPOLE W/LIGHT
- LIGHT POLE
- ELECTRIC METER
- ELECTRIC BOX
- YARD LIGHT
- GUIDE WIRE
- TELEPHONE MANHOLE
- TELEPHONE RISER
- WATER VALVE
- FIRE HYDRANT
- WELL
- WATER MANHOLE
- WATER METER
- GAS VALVE
- GAS VALVE
- CABLE TV RISER
- CLEANOUT
- SIGN
- MAILBOX
- STORM ROUND INLET
- STORM CURB INLET
- RIGHT-OF-WAY MARKER
- TREE, BUSH & STUMP
- TEMP. BENCHMARK
- MONUMENT FOUND
- CONTOURS
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY
- ADJOINER LINE
- PAVEMENT LINE
- FIELD LINE
- PRIVACY FENCE
- CHAINLINK FENCE
- SPLIT RAIL FENCE
- WIRE FENCE
- DITCH
- GAS LINE
- TELEPHONE LINE
- WATER LINE
- CABLE TV LINE
- ELECTRIC LINE
- OVERHEAD UTILITY LINE
- TREE LINE
- SANITARY SEWER W/MANHOLE
- STORM SEWER W/ MANHOLE & END SECTION
- (D) DEED (M) MEASURE (PS) PLAT SURVEY
- ASPHALT
- BUILDING
- GRAVEL
- CONCRETE

PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- SETBACK LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER LINE
- WATER SERVICE LINE
- GAS LINE
- FIBER OPTIC LINE
- TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS
- STORM MANHOLES
- STORM INLETS
- STORM CURB INLETS
- ELECTRIC HANDHOLE
- FIBER OPTIC HANDHOLE
- SIGN

40 0 40 80

SCALE: 1" = 40'

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

SANITARY SEWER LATERAL TABLE

INSTALL SANITARY SEWER CLEANOUT AND SDR-35 PVC SANITARY LATERAL AS INDICATED BELOW. CONTRACTOR SHALL CONFIRM LATERAL CONNECTION LOCATIONS AND DEPTH/INVERT WITH PLUMBING PLAN.

RUN	DIAMETER	LENGTH	SLOPE	U.S. INV.	D.S. INV.	CO TYPE
CO-1	6"	32'	1.04%	799.88	799.54	TYPE 2

NOTE:
1. CONTRACTOR SHALL CONNECT CO-1 TO EXISTING 6" LATERAL USING FERNCO FLEXIBLE SADDLE TAP.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING LATERAL ELEVATION PRIOR TO CONSTRUCTION AND REPORT DISCREPANCIES TO ENGINEER.

STORM SEWER STRUCTURE TABLE

STR. NO. 148
EXISTING STORM MANHOLE FURNISH AND INSTALL NEENAH R-2561 CASTING CONNECT EXISTING 12" PIPE TO STR. NO. 205
RIM=800.59
INV IN (12"~SW)=797.28
INV OUT (12"~N)=797.28

STR. NO. 158
EXISTING STORM MANHOLE NO MODIFICATIONS REQUIRED
RIM=803.67
INV IN (21"~W)=799.00
INV IN (4"~SE)=~3.38
INV OUT (21"~N)=799.00

STR. NO. 193A
INSTALL STORM SEWER CLEANOUT FOR ROOF DOWNSPOUT CONNECTION AND 32 LFT OF 4"ø PVC PIPE @ 2.00%
RIM=803.59
INV IN (4"~E)=799.61
INV OUT (4"~W)=799.61

STR. NO. 197
INSTALL TYPE 'C' MANHOLE WITH NEENAH R-2561 CASTING OR AN APPROVED EQUAL AND 150 LFT OF 24"ø HDPE PIPE @ 0.25%
RIM=799.80
INV IN (15"~NW)=795.47
INV IN (18"~E)=794.95
INV OUT (24"~S)=794.45

STR. NO. 198
INSTALL TYPE 'I' INLET WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 103 LFT OF 18"ø HDPE PIPE @ 0.30%
RIM=800.09
INV IN (15"~S)=795.51
INV OUT (18"~W)=795.26

STORM SEWER STRUCTURE TABLE

STR. NO. 199
INSTALL TYPE 'C' MANHOLE WITH NEENAH R-2561 CASTING OR AN APPROVED EQUAL AND 76 LFT OF 24"ø HDPE PIPE @ 0.25%
RIM=800.37
INV IN (24"~N)=794.07
INV OUT (24"~SW)=793.97

STR. NO. 201
INSTALL TYPE 'J' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 96 LFT OF 30"ø HDPE PIPE @ 0.22%
RIM=801.59
INV IN (12"~E)=797.37
INV IN (30"~W)=792.94
INV OUT (30"~S)=792.84

STR. NO. 202
INSTALL MODIFIED TYPE 'J' MANHOLE WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 53 LFT OF 30"ø HDPE PIPE @ 0.30%
RIM=798.85
INV IN (30"~N)=792.63
INV IN (12"~SW)=794.39
INV OUT (30"~E)=792.53

STR. NO. 203
INSTALL TYPE 'J' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 36 LFT OF 30"ø HDPE PIPE @ 0.34%
RIM=803.04
INV IN (30"~W)=792.37
INV OUT (30"~SE)=792.27

STR. NO. 204
INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 23 LFT OF 24"ø HDPE PIPE @ 0.44%
RIM=801.55
INV IN (21"~S)=797.91
INV OUT (24"~NE)=796.66

STORM SEWER STRUCTURE TABLE

STR. NO. 205
INSTALL TYPE 'K' MANHOLE WITH NEENAH R-2561 CASTING OR AN APPROVED EQUAL AND ONE (1) CONCRETE PIPE END SECTION WITH ANIMAL GUARD AND 391 LFT OF 36"ø HDPE PIPE @ 0.20%
RIM=802.32
INV IN (30"~NW)=792.15
INV IN (24"~SW)=796.56
INV IN (12"~S)=797.11
INV OUT (36"~E)=791.65
DS INV.=790.87

STR. NO. 217
INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND ONE (1) CONCRETE PIPE END SECTION WITH ANIMAL GUARD AND 26 LFT OF 15"ø HDPE PIPE @ 1.48%
RIM=800.33
INV IN (15"~W)=795.48
INV OUT (15"~E)=795.38
DS INV.=795.00

STR. NO. 218
INSTALL TYPE 'E' INLET WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 68 LFT OF 12"ø HDPE PIPE @ 1.50%
RIM=802.49
INV OUT (12"~W)=798.39

SANITARY SEWER STRUCTURE TABLE

STR. NO. SS-21
EXISTING SANITARY MANHOLE INSTALL WATER TIGHT PVC PLUG ON EX. 4" PVC LATERAL FROM EAST AND ADJUST CASTING TO GRADE (EX. RIM=803.23)
RIM=803.49
INV IN (4"~E)=799.59
INV OUT (6"~N)=799.59

UTILITY NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
2. CONTRACTOR SHALL REFER TO THE ELECTRICAL SITE PLAN PREPARED BY PRIMARY ENGINEERING, INC. FOR SITE AND ATHLETIC FIELD LIGHTING LAYOUT, SPECIFICATIONS, AND ELECTRICAL SERVICE REQUIREMENTS.
3. ALL STORM SEWER CASTINGS SHALL BE NPDES PHASE II COMPLIANT. CASTINGS SHALL BE MANUFACTURED WITH A STATEMENT SAYING: "DUMP NO WASTE, DRAINS TO RIVER" IN ½" RAISED LETTERS.
4. ALL FIELD TILES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEW STORMWATER FACILITIES.
5. CONTRACTOR SHALL COORDINATE CONSTRUCTION SEQUENCE WITH THE OWNER AND SKILLMAN CORPORATION AND MAINTAIN ACTIVE UTILITY SERVICES AT ALL TIMES. ALL TEMPORARY UTILITY SERVICE INTERRUPTIONS MUST BE APPROVED BY THE OWNER AND SKILLMAN CORPORATION PRIOR TO INSTALLATION OF IMPROVEMENTS.
6. EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.
7. CONTRACTOR SHALL CONFIRM SANITARY LATERAL LOCATIONS, DIAMETERS, AND INVERT ELEVATIONS EXITING THE BUILDING WITH THE MEP PLANS PRIOR TO CONSTRUCTION.
8. CONTRACTOR SHALL CONNECT ROOF DRAINS AND DOWNSPOUTS TO STORM STRUCTURES AS SHOWN. CONFIRM LOCATIONS AND DIAMETERS WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
9. ALL MODIFICATIONS TO EXISTING NYLOPLAST DRAIN BASINS SHALL BE COMPLETED IN ACCORDANCE WITH THE MANUFACTURER'S DETAILS, SPECIFICATIONS, AND REQUIREMENTS.

CONTRACTOR SHALL FIELD VERIFY DEPTH OF EXISTING 6"ø SANITARY LATERAL PRIOR TO CONSTRUCTION AND REPORT CONFLICT WITH STORM TO ENGINEER

Str. No. 198

Str. No. 197

EXISTING 6"ø SANITARY LATERAL TO REMAIN

INSTALL ELECTRICAL AND FIBER OPTIC CONDUITS TO SERVE EXISTING BUILDING TO REMAIN PER PLANS PREPARED BY PRIMARY ENGINEERING

INSTALL FLAT PANEL DRAINS FOR ARTIFICIAL TURF FIELD PER PLANS PREPARED BY CONTEXT DESIGN

PROPOSED DETENTION BASIN TOP OF BANK

Str. No. 199

Str. No. SS-21

PROPOSED 1,469 SQ. FT. CONCESSION BUILDING F.F.E.=803.90

CO-1

SEE STORM PLAN AND PROFILES (SHEET 708) FOR ARTIFICIAL TURF FIELD PERFORATED PIPE INFORMATION

Str. No. 217

Str. No. 193A

Str. No. 218

Str. No. 201

INSTALL 73 LFT OF 4"ø SDR-35 PVC @ 2.00% AND CONNECT DOWNSPOUTS PER DETAIL (SEE SHEET 900)
U.S. INV.=801.07
D.S. INV.=799.61

CONTRACTOR SHALL COORDINATE WITH CENTERPOINT ENERGY FOR CONCESSIONS BUILDING SERVICE AND METER

Str. No. 202

Str. No. 203

CONTRACTOR SHALL FIELD LOCATE EXISTING UNDERDRAIN AND CONNECT TO STR. NO. 202

Str. No. 204

Str. No. 205

Str. No. 148

INSTALL ELECTRICAL CONDUIT AND HANDHOLE FOR EXISTING SCOREBOARD TO REMAIN PER PLANS PREPARED BY PRIMARY ENGINEERING

DRY DETENTION BASIN
BASIN BOTTOM AREA=95,459 SQ. FT.
TOP OF BANK EL.=798.00
CPv EL.=794.11
10 YR. EL.=794.56
100 YR. EL.=795.52

INSTALL ELECTRICAL AND FIBER OPTIC CONDUITS AND HANDHOLES PER PLANS PREPARED BY PRIMARY ENGINEERING AND DESIGN 27. CONTRACTOR SHALL DIRECTIONAL BORE UNDER ALL EXISTING HARD SURFACES NOT BEING REMOVED PER DEMOLITION PLANS (SEE SHEETS 208-210)

Str. No. 158

EXISTING NDS DURASLOPE TRENCH DRAIN TO REMAIN

INSTALL ELECTRICAL AND CONDUITS AND HANDHOLES TO SERVE NEW PRESSBOX PER PLANS PREPARED BY PRIMARY ENGINEERING

MATCHLINE - SEE SHEET 400

MATCHLINE - SEE SHEET 402

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

UTILITY PLAN

WHITELAND HIGH SCHOOL PHASE 5

JOB No. . | DRAWN KLF | CHECKED TEN | APPR. GJI
DATE FEBRUARY 2, 2026 | DESIGNED DMS | DRN. DMS | CK. GJI | APPR. GJI

REVISIONS

NO.	DATE	BY
1	02.09.26	DMS
2	03.06.26	GJI
3		
4		
5		
6		
7		
8		
9		

REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1
REVISIONS FOR 100% CD SUBMITTAL

REGISTERED DEREK M. SNYDER NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET 401

DIRECTORY PATH : R:\Active\Larson-Reske\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 401 UTILITY PLAN PH 5.dwg
DATE/USER : 3/6/2026 10:58 AM / Dsnyder

MATCHLINE - SEE SHEET 401

INSTALL ELECTRICAL AND FIBER OPTIC CONDUITS AND HANDHOLES PER PLANS PREPARED BY PRIMARY ENGINEERING AND DESIGN 27. CONTRACTOR SHALL DIRECTIONAL BORE UNDER ALL EXISTING HARD SURFACES NOT BEING REMOVED PER DEMOLITION PLANS (SEE SHEETS 208-210)

CONTRACTOR SHALL RELOCATE PRESSBOX ELECTRIC SERVICE PER SITE ELECTRICAL PLANS PREPARED BY PRIMARY ENGINEERING

CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING SCHOOL OWNED FIBER OPTIC CONDUIT AND RELOCATE IF IN CONFLICT WITH PROPOSED IMPROVEMENTS (FOOTINGS, FENCE POST, STORM, ETC.)

Str. No. 206
Str. No. 207
Str. No. 208
Str. No. 209
Str. No. 210
Str. No. 211
Str. No. 212
Str. No. 213

WARRIORS
WHITELAND

EXISTING LEGEND

- POWERPOLE
- POWERPOLE W/RISER
- POWERPOLE W/LIGHT
- LIGHT POLE
- ELECTRIC METER
- ELECTRIC BOX
- YARD LIGHT
- GUIDE WIRE
- TELEPHONE MANHOLE
- TELEPHONE RISER
- WATER VALVE
- FIRE HYDRANT
- WELL
- WATER MANHOLE
- WATER METER
- GAS VALVE
- GAS VALVE
- CABLE TV RISER
- CLEANOUT
- SIGN
- MAILBOX
- STORM ROUND INLET
- STORM CURB INLET
- RIGHT-OF-WAY MARKER
- TREE, BUSH & STUMP
- TEMP. BENCHMARK
- MONUMENT FOUND

- 800 CONTOURS
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY
- EASEMENT
- ADJOINER LINE
- PAVEMENT LINE
- FIELD LINE
- PRIVACY FENCE
- CHAINLINK FENCE
- SPLIT RAIL FENCE
- WIRE FENCE
- DITCH
- GAS LINE
- TELEPHONE LINE
- WATER LINE
- CABLE TV LINE
- ELECTRIC LINE
- OVERHEAD UTILITY LINE
- TREE LINE
- SANITARY SEWER W/MANHOLE
- STORM SEWER W/ MANHOLE & END SECTION

(D) DEED (M) MEASURE (PS) PLAT SURVEY

ASPHALT BUILDING
GRAVEL CONCRETE

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

40 0 40 80
SCALE: 1" = 40'

PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- SETBACK LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER LINE
- WATER SERVICE LINE
- GAS LINE
- FIBER OPTIC LINE
- TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS
- STORM MANHOLES
- STORM INLETS
- STORM CURB INLETS
- ELECTRIC HANDHOLE
- FIBER OPTIC HANDHOLE
- SIGN

STORM SEWER STRUCTURE TABLE	STORM SEWER STRUCTURE TABLE	STORM SEWER STRUCTURE TABLE
STR. DATA	STR. DATA	STR. DATA
STR. NO. 206 EXISTING STORM MANHOLE MECHANICALLY CORE AND CONNECT PIPE FROM STR. NO. 207 ADJUST CASTING TO GRADE (EX. RIM=802.85) RIM=802.95 INV IN (12"~E)=798.62 INV IN (12"~W)=795.69 INV OUT (18"~N)=795.68	**STR. NO. 209** INSTALL TYPE 'E' INLET WITH NEENAH R-3210-Q CASTING OR AN APPROVED EQUAL AND 15 LFT OF 12"ø HDPE PIPE @ 0.52% RIM=802.55 INV OUT (12"~N)=798.95	**STR. NO. 212** EXISTING STORM MANHOLE TO REMAIN. REMOVE EXISTING 12" HDPE PIPE DOWNSTREAM. MECHANICALLY CORE AND INSTALL 168 LFT OF 12"ø HDPE PIPE @ 1.74% RIM=801.28 INV IN (12"~N)=796.23 INV IN (12"~W)=795.33 INV OUT (12"~NE)=795.33
STR. NO. 207 INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 31 LFT OF 12"ø HDPE PIPE @ 0.49% RIM=802.77 INV IN (12"~E)=798.77 INV IN (12"~S)=798.87 INV OUT (12"~W)=798.77	**STR. NO. 210** INSTALL TYPE 'J' DOGHOUSE MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL RIM=798.95 INV IN (12"~S)=794.65 INV IN (30"~W)=790.74 INV OUT (30"~E)=790.74	**STR. NO. 213** EXISTING STORM MANHOLE TO REMAIN. REMOVE EXISTING 12" PIPE UPSTREAM. MECHANICALLY CORE AND CONNECT NEW UPSTREAM 12" HDPE RIM=795.90 INV IN (12"~SW)=792.41 INV IN (12"~NW)=792.35 INV OUT (18"~E)=792.33
STR. NO. 208 INSTALL TYPE 'F' INLET WITH NEENAH R-3210-Q CASTING OR AN APPROVED EQUAL AND 37 LFT OF 12"ø HDPE PIPE @ 1.65% RIM=803.01 INV IN (8"~S)=801.37 INV OUT (12"~W)=799.38	**STR. NO. 211** INSTALL TYPE 'E' INLET WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 55 LFT OF 12"ø HDPE PIPE @ 1.01% RIM=798.90 INV OUT (12"~N)=795.20	

UTILITY NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
2. CONTRACTOR SHALL REFER TO THE ELECTRICAL SITE PLAN PREPARED BY PRIMARY ENGINEERING, INC. FOR SITE AND ATHLETIC FIELD LIGHTING LAYOUT, SPECIFICATIONS, AND ELECTRICAL SERVICE REQUIREMENTS.
3. ALL STORM SEWER CASTINGS SHALL BE NPDES PHASE II COMPLIANT. CASTINGS SHALL BE MANUFACTURED WITH A STATEMENT SAYING: "DUMP NO WASTE, DRAINS TO RIVER" IN ½" RAISED LETTERS.
4. ALL FIELD TILES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEW STORMWATER FACILITIES.
5. CONTRACTOR SHALL COORDINATE CONSTRUCTION SEQUENCE WITH THE OWNER AND SKILLMAN CORPORATION AND MAINTAIN ACTIVE UTILITY SERVICES AT ALL TIMES. ALL TEMPORARY UTILITY SERVICE INTERRUPTIONS MUST BE APPROVED BY THE OWNER AND SKILLMAN CORPORATION PRIOR TO INSTALLATION OF IMPROVEMENTS.
6. EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.
7. CONTRACTOR SHALL CONFIRM SANITARY LATERAL LOCATIONS, DIAMETERS, AND INVERT ELEVATIONS EXITING THE BUILDING WITH THE MEP PLANS PRIOR TO CONSTRUCTION.
8. CONTRACTOR SHALL CONNECT ROOF DRAINS AND DOWNSPOUTS TO STORM STRUCTURES AS SHOWN. CONFIRM LOCATIONS AND DIAMETERS WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
9. ALL MODIFICATIONS TO EXISTING NYLOPLAST DRAIN BASINS SHALL BE COMPLETED IN ACCORDANCE WITH THE MANUFACTURER'S DETAILS, SPECIFICATIONS, AND REQUIREMENTS.

DIRECTORY PATH : P:\Active\Larson-Reske\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 402 UTILITY PLAN PH 5.dwg
DATE/USER : 3/6/2026 10:56 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 S. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 402

UTILITY PLAN

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	.	DRAWN	KLF	CHECKED	TEN		GJI
DATE	FEBRUARY 2, 2026	DESIGNED	DMS			APPR.	GJI

DEREK M. SNYDER NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI
2	⚠ 03.06.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI
3				
4				
5				
6				
7				
8				
9				

SHEET 402

INSTR. #1979000706

ST CHARLES WAY

TRACY DRIVE NORTH

US HIGHWAY 31

APPARENT EX RIGHT-OF-WAY PER BK 6 PG 77

APPARENT EX RIGHT-OF-WAY PER BK 6 PG 77

PROPOSED 10' UTILITY EASEMENT

PROPOSED SIGN EASEMENT

SECOND COMMERCIAL ADDITION BK 6 PG 77

11.52'

10.39'

CONTRACTOR SHALL COORDINATE WITH THE TOWN OF WHITELAND FOR INSTALLATION OF DOMESTIC WATER METER IN EXISTING PIT AND SERVICE ACTIVATION

INSTALL 3 LFT OF 3"ø SDR-21 PVC FOR DOMESTIC WATER SERVICE

INSTALL DOMESTIC WATER SERVICE WINTERIZATION VALVE PIT PER PLANS PREPARED BY PRIMARY ENGINEERING

CO-3

CO-2

Str. No. 195

Str. No. 196

Str. No. 194

Str. No. 187

Str. No. 188A

Str. No. 189

Str. No. 188

Str. No. 77

Str. No. 200

Str. No. 193

Str. No. 191

Str. No. 192

Str. No. 214

Str. No. 79

Str. No. 190

Str. No. 216

Str. No. 215

INSTALL RESTRAINED FIRE HYDRANT ASSEMBLY

REMOVE EXISTING BEND AND INSTALL 3" RESTRAINED MJ SLEEVE

INSTALL 24 LFT OF 3"ø SDR-21 PVC FOR DOMESTIC WATER SERVICE

INSTALL (2) 3"~45° RESTRAINED BENDS

INSTALL 6 LFT OF 3"ø SDR-21 PVC FOR DOMESTIC WATER SERVICE

INSTALL 240 LFT OF 6"ø C900 PVC FOR FIRE LINE

ADJUST EXISTING FIBER OPTIC HANDHOLE TO GRADE

INSTALL 6 LFT OF 6"ø C900 PVC FOR FIRE LINE

INSTALL (2) 6"~45° RESTRAINED BENDS

INSTALL 255 LFT OF 6"ø C900 PVC FOR FIRE LINE

INSTALL 6" GATE VALVE

INSTALL 6"x6" RESTRAINED TEE

INSTALL 207 LFT OF 6"ø C900 PVC FOR FIRE LINE

INSTALL 6"~45° RESTRAINED BEND

INSTALL 68 LFT OF 6"ø C900 PVC FOR FIRE LINE

INSTALL RESTRAINED 6"x6" TAPPING SLEEVE AND 6" VALVE

INSTALL 20 LFT OF 6"ø C900 PVC FOR FIRE LINE

EXISTING FIRE HYDRANT TO REMAIN

INSTALL 171 LFT OF 6"ø C900 PVC FOR FIRE LINE

MATCHLINE - SEE SHEET 404

40 0 40 80

SCALE: 1" = 40'

WATER NOTES

1. WATER LINE INSTALLATION AND MATERIALS SHALL CONFORM TO THE TOWN OF WHITELAND TYPICAL CONSTRUCTION GUIDELINES AND DETAILS. ALL WATER LINES SHALL BE INSTALLED WITH 5' MIN. OF COVER FROM FINISHED GRADE.
2. TAPPING SLEEVES AND VALVES SHALL BE EJP OR MUELLER H-615, H-616 OR STAINLESS STEEL SLEEVES. TAPPING VALVES SHALL BE 2360 SERIES BY MEULLER OR AFC 2500.
3. FIRE HYDRANT ASSEMBLIES SHALL BE SUPER CENTURION 250 HYDRANT BY MEULLER CO. WITH STORZ FITTING ON STEAMER WITH 5'-6" MIN. BURIAL DEPTH.
4. ALL FITTINGS SHALL BE DUCTILE IRON (D.I.) WITH MECHANICAL JOINTS (M.J.) CONFORMING TO AWWA C-110, C-111, C-153, AND NSF-61. ALL WATER MAIN FITTINGS SHALL BE RESTRAINED IN ACCORDANCE WITH THE TOWN OF WHITELAND TYPICAL CONSTRUCTION GUIDELINES AND DETAILS.
5. MEG-A-LUG RETAINER GLANDS BY EBBA IRON, INC. , FIELD-LOK GASKETS, OR ONE BOLT RESTRAINED FITTINGS SHALL BE USED ON EACH SIDE OF FITTINGS WHERE THE WATER MAIN CHANGES DIRECTION.
6. CONTRACTOR SHALL COORDINATE CONSTRUCTION SEQUENCE WITH THE OWNER AND SKILLMAN CORPORATION AND MAINTAIN ACTIVE UTILITY SERVICES AT ALL TIMES. ALL TEMPORARY UTILITY SERVICE INTERRUPTIONS MUST BE APPROVED BY THE OWNER AND SKILLMAN CORPORATION PRIOR TO INSTALLATION OF IMPROVEMENTS.
7. CONTRACTOR SHALL FURNISH AND INSTALL DOMESTIC WATER METER PIT IN ACCORDANCE WITH THE TOWN OF WHITELAND STANDARDS AND PLUMBING PLANS PREPARED BY PRIMARY ENGINEERING. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE PIT FOR REVIEW SHOWING ALL COMPONENTS INCLUDING, BUT NOT LIMITED TO, BACKFLOW PREVENTERS, METER(S), FLANGES, AND VALVES. CONTRACTOR SHALL OBTAIN WRITTEN SHOP DRAWING APPROVAL FROM THE TOWN OF WHITELAND AND PRIMARY ENGINEERING PRIOR TO ORDERING MATERIALS.
8. CONTRACTOR SHALL UTILIZE THE PIT DETAIL PROVIDED IN THESE PLANS (SEE MISCELLANEOUS DETAILS-SHEET 900) AS A GUIDE, HOWEVER, THE SPECIFIC PIT DIMENSIONS, DOMESTIC METER SIZES, VALVE SIZES, BACKFLOW PREVENTION DEVICES, MATERIALS, ETC. SHALL BE DETERMINED THROUGH COORDINATION WITH THE SUPPLIER, OWNER, PRIMARY ENGINEERING, AND TOWN OF WHITELAND.
9. EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

EXISTING LEGEND

POWERPOLE	CONTOURS
POWERPOLE W/RISER	PROPERTY LINE
POWERPOLE W/LIGHT	SECTION LINE
LIGHT POLE	RIGHT-OF-WAY
ELECTRIC METER	EASEMENT
ELECTRIC BOX	ADJOINER LINE
YARD LIGHT	PAVEMENT LINE
GUIDE WIRE	FIELD LINE
TELEPHONE MANHOLE	PRIVACY FENCE
TELEPHONE RISER	CHAINLINK FENCE
WATER VALVE	SPLIT RAIL FENCE
FIRE HYDRANT	WIRE FENCE
WELL	DITCH
WATER MANHOLE	GAS LINE
WATER METER	TELEPHONE LINE
GAS VALVE	WATER LINE
GAS VALVE	CABLE TV LINE
CABLE TV RISER	ELECTRIC LINE
CLEANOUT	OVERHEAD UTILITY LINE
SIGN	TREE LINE
MAILBOX	SANITARY SEWER
STORM ROUND INLET	W/MANHOLE
STORM CURB INLET	STORM SEWER W/ MANHOLE & END SECTION
RIGHT-OF-WAY MARKER	
TREE, BUSH & STUMP	(D) DEED (M) MEASURE (PS) PLAT SURVEY
TEMP. BENCHMARK	ASPHALT, BUILDING
MONUMENT FOUND	GRAVEL, CONCRETE

PROPOSED LEGEND

	PROPERTY LINE
	SECTION LINE
	SETBACK LINE
	FENCE LINE
	DITCH LINE
	SANITARY SEWER WITH MANHOLE
	SANITARY SEWER LATERAL WITH CLEANOUT
	STORM SEWER W/MANHOLE & END SECTION
	ELECTRIC LINE
	WATER LINE
	WATER SERVICE LINE
	GAS LINE
	FIBER OPTIC LINE
	TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS
	STORM MANHOLES
	STORM INLETS
	STORM CURB INLETS
	ELECTRIC HANDHOLE
	FIBER OPTIC HANDHOLE
	SIGN

INDIANA 811 Dig Now (Know What's Below. Call before)

DIRECTORY PATH : R:\Active\Lance Beebe\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 403 WATER PLAN PH 5.dwg
DATE/USER : 3/6/2026 10:17 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 403

WATER PLAN

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	DRAWN	CHECKED	APPR.
.	KLF	TEN	CJI

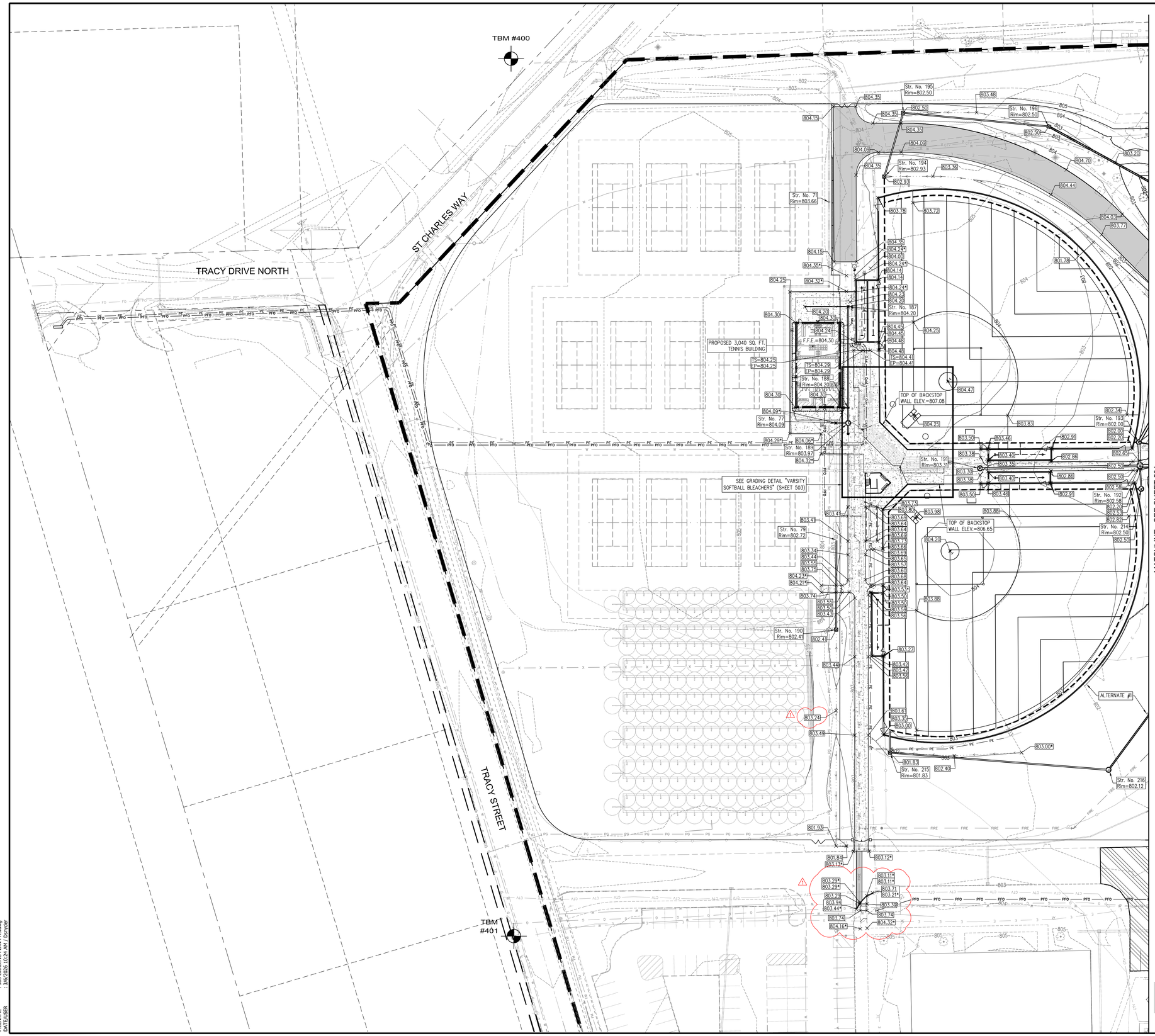
DATE FEBRUARY 2, 2026 DESIGNED DMS

DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

Derek M. Snyder

NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	CJI
2	03.06.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	CJI

SHEET 403



40 0 40 80

SCALE: 1" = 40'

GRADING LEGEND

860.00 TOP OF CURB 859.50 EDGE OF PAVEMENT	PROPOSED ELEVATIONS
TS=860.00 TOP OF SLAB EP=859.50 EDGE OF PAVEMENT	
860.00 FINISH GRADE	
860.00 *	EXISTING ELEVATIONS
859.50 *	(TO BE FIELD VERIFIED)
860.00 *	
FFE = XXX.XX	PROPOSED FINISH FLOOR ELEVATION
	PROPOSED DRAINAGE SWALE
800	EXISTING CONTOURS
800	PROPOSED CONTOURS
GRADE BREAK	GRADE BREAK
	CURB HEIGHT TO TAPER FROM 0.5' TO 0.0' IN 6 LFT.

GRADING NOTES

1. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS IN FINAL GRADING OF SITE. IN NO INSTANCE SHALL DRAINAGE TOWARDS THE BUILDING FOUNDATION BE ALLOWED.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT, SIDEWALK, AND CURB ELEVATIONS AT ALL TIE IN LOCATIONS PRIOR TO CONSTRUCTION AND REPORT DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
3. ALL CURB RAMPS SHALL BE A.D.A. COMPLIANT AND THE LONGITUDINAL AND CROSS SLOPES SHALL NOT EXCEED THE MAXIMUM SLOPES IDENTIFIED ON THE SITE DETAILS (SEE SHEET L606 PREPARED BY CONTEXT DESIGN). CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF FIELDS CONDITIONS PREVENT CURB RAMPS FROM BEING CONSTRUCTED WITHOUT EXCEEDING MAXIMUM SLOPES.
4. CONTRACTOR SHALL FIELD VERIFY FINISHED FLOOR ELEVATIONS OF EXISTING DUGOUTS AND CONCESSIONS BUILDING PRIOR TO CONSTRUCTION AND REPORT DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

BENCHMARK INFORMATION

ORIGINATING BENCHMARK

DESIGNATION – X 13
PID – KA0010
STATE/COUNTY – IN/MORGAN
USGS QUAD – MOORESVILLE EAST (1980)

VERT ORDER – FIRST CLASS II

DESCRIBED BY COAST AND GEODETIC SURVEY 1946
1.2 MI N FROM WAVERLY.
IN JOHNSON COUNTY, 1.2 MILES NORTH ALONG STATE HIGHWAY 37 FROM THE INTERSECTION OF STATE HIGHWAY 144 AT WAVERLY, MORGAN COUNTY, 125 YARDS NORTH OF THE MORGAN–JOHNSON COUNTY LINE, 26 FEET WEST OF THE CENTERLINE OF THE HIGHWAY, IN LINE WITH THE WEST RIGHT–OF–WAY FENCE, 1.5 FEET SOUTH OF A WHITE WOODEN WITNESS POST, AND ABOUT 2 FEET HIGHER THAN THE HIGHWAY. A STANDARD DISK, STAMPED 686.370 X 13 1930 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 7 INCHES ABOVE GROUND.

RECOVERY NOTE BY IN DEPT OF NAT RES 1985
NEW DESC– AT THE INTERSECTION OF NEW STATE ROAD 144 AND OLD STATE ROAD 37, IN THE SOUTHWEST QUARTER OF THE INTERSECTION, WITNESS POST IS GONE RIGHT–OF–WAY FENCE IS GONE, ALL OTHER INFORMATION APPEARS TO BE CORRECT.

ELEVATION = 685.94 (NAVD 88)

TBM #400
RR SPIKE SET IN E FACE OF PP# "P21063" LOCATED ±180' N OF "TRACT NORTH DRIVE" ±40' WEST OF "SAINT CHARLES WAY"
ELEV.=805.77

TBM #401
RR SPIKE SET IN E FACE OF PP# "P21042" LOCATED ±6' W OF "TRACY ST." ±40' S OF N PARKING LOT ENTRANCE @ "CLARK PLEASANT EMPLOYEE HEALTH & WELLNESS CENTER"
ELEV.=805.07

TBM #402
CUT BOX ON TOP OF CONC PEDESTAL FOR UP ON N EDGE OF CONC. LOCATED @ NE MOST CORNER OF PARKING LOT FOR "199 US–31 "BIG SPLASH CAR WASH"
ELEV.=806.18

TBM #403
SE MOST CORNER OF BOTTOM CONC STEP LOCATED @ SE CORNER OF "STUDIO 31 SALON" "43 N. US–31" ON E FACE OF BUILDING.
ELEV.=801.28

TBM #404
NE CORNER OF TOP CONC STEP CONNECTED TO LEAD WALK @ "239 E MAIN ST." LOCATED SE QUAD OF "E MAIN ST." & "TICHENOR LN."
ELEV.=799.80

TBM #405
RR SPIKE SET IN E FACE POWERPOLE, LOCATED ±5' S OF "E MAIN ST." & ±X.X W OF DRIVE @ "399 E MAIN ST."
ELEV.=790.98

TBM #406
SW CORNER OF CONC PORCH @ "49 CENTER ST."
ELEV.=797.61

TBM #407
RR SPIKE SET IN S FACE OF PP# "P22C73". LOCATED ±5' E OF "CENTER ST." & ±150' N OF "CLEM ST."
ELEV.=800.07

TBM #408
RR SPIKE SET IN E FACE OF POWER POLE. LOCATED @ SW CORNER OF PROPERTY OF "329 CHRISTINA DR."
ELEV.=800.89

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

Know what's below. Call before you dig. 811

DIRECTORY PATH : R:\Active\Lawrence\Bethel\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : SG1 GRADING PLAN PH5.dwg
DATE/USER : 3/6/2026 10:24 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 500

GRADING PLAN

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	.	CHECKED	TEN	SHEET	500
DRAWN	KLF				
DATE	FEBRUARY 2, 2026	DESIGNED	DMS	APPR.	GJI

REGISTERED ENGINEER
DEREK M. SNYDER
NO. 11200008
STATE OF INDIANA
PROFESSIONAL

NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI
2	03.06.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI
3				
4				
5				
6				
7				
8				
9				

SHEET 500

BENCHMARK INFORMATION

ORIGINATING BENCHMARK

DESIGNATION – X 13
PID – KA0010
STATE/COUNTY – IN/MORGAN
USGS QUAD – MOORESVILLE EAST (1980)

VERT ORDER – FIRST CLASS II

DESCRIBED BY COAST AND GEODETIC SURVEY 1946
1.2 MI N FROM WAVERLY.
IN JOHNSON COUNTY, 1.2 MILES NORTH ALONG STATE HIGHWAY 37 FROM THE INTERSECTION OF STATE HIGHWAY 144 AT WAVERLY, MORGAN COUNTY, 125 YARDS NORTH OF THE MORGAN–JOHNSON COUNTY LINE, 26 FEET WEST OF THE CENTERLINE OF THE HIGHWAY, IN LINE WITH THE WEST RIGHT–OF–WAY FENCE, 1.5 FEET SOUTH OF A WHITE WOODEN WITNESS POST, AND ABOUT 2 FEET HIGHER THAN THE HIGHWAY. A STANDARD DISK, STAMPED 686.370 X 13 1930 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 7 INCHES ABOVE GROUND.

RECOVERY NOTE BY IN DEPT OF NAT RES 1985
NEW DESC– AT THE INTERSECTION OF NEW STATE ROAD 144 AND OLD STATE ROAD 37, IN THE SOUTHWEST QUARTER OF THE INTERSECTION, WITNESS POST IS GONE RIGHT–OF–WAY FENCE IS GONE, ALL OTHER INFORMATION APPEARS TO BE CORRECT.

ELEVATION = 685.94 (NAVD 88)

TBM #400
RR SPIKE SET IN E FACE OF PP#"P21063" LOCATED ±180' N OF "TRACT NORTH DRIVE" ±40' WEST OF "SAINT CHARLES WAY"
ELEV.=805.77

TBM #401
RR SPIKE SET IN E FACE OF PP#"P21042" LOCATED ±6' W OF "TRACY ST." ±40' S OF N PARKING LOT ENTRANCE @ "CLARK PLEASANT EMPLOYEE HEALTH & WELLNESS CENTER"
ELEV.=805.07

TBM #402
CUT BOX ON TOP OF CONC PEDESTAL FOR UP ON N EDGE OF CONC. LOCATED @ NE MOST CORNER OF PARKING LOT FOR "199 US–31 "BIG SPLASH CAR WASH"
ELEV.=806.18

TBM #403
SE MOST CORNER OF BOTTOM CONC STEP LOCATED @ SE CORNER OF "STUDIO 31 SALON" "43 N. US–31" ON E FACE OF BUILDING.
ELEV.=801.28

TBM #404
NE CORNER OF TOP CONC STEP CONNECTED TO LEAD WALK @ "239 E MAIN ST." LOCATED SE QUAD OF "E MAIN ST." & "TICHENOR LN."
ELEV.=799.80

TBM #405
RR SPIKE SET IN E FACE POWERPOLE. LOCATED ±5' S OF "E MAIN ST." & ±XX W OF DRIVE @ "399 E MAIN ST."
ELEV.=790.98

TBM #406
SW CORNER OF CONC PORCH @ "49 CENTER ST."
ELEV.=797.61

TBM #407
RR SPIKE SET IN S FACE OF PP# "P22C73". LOCATED ±5' E OF "CENTER ST." & ±150' N OF "CLEM ST."
ELEV.=800.07

TBM #408
RR SPIKE SET IN E FACE OF POWER POLE. LOCATED @ SW CORNER OF PROPERTY OF "329 CHRISTINA DR."
ELEV.=800.89

NORTH

40 0 40 80

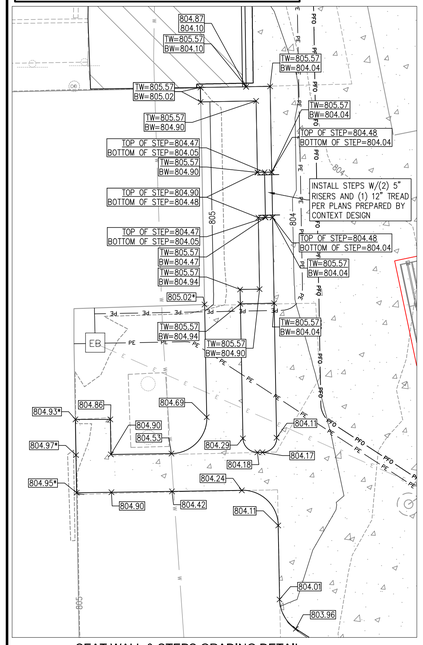
SCALE: 1" = 40'

GRADING LEGEND

860.00 TOP OF CURB 859.50 EDGE OF PAVEMENT	PROPOSED ELEVATIONS
TS=860.00 TOP OF SLAB EP=859.50 EDGE OF PAVEMENT	
TW=860.00 TOP OF WALL BW=859.50 BOTTOM OF WALL	
860.00 FINISH GRADE	
860.00 *	EXISTING ELEVATIONS
859.50 *	(TO BE FIELD VERIFIED)
860.00 *	
FFE = XXX.XX	PROPOSED FINISH FLOOR ELEVATION
800	EXISTING CONTOURS
800	PROPOSED CONTOURS
GRADE BREAK	GRADE BREAK
	CURB HEIGHT TO TAPER FROM 0.5' TO 0.0' IN 6 LFT.

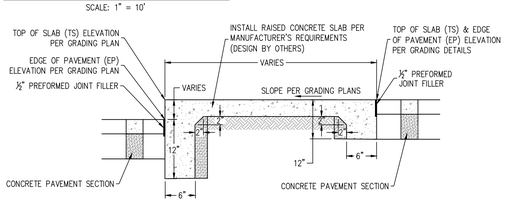
GRADING NOTES

1. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS IN FINAL GRADING OF SITE. IN NO INSTANCE SHALL DRAINAGE TOWARDS THE BUILDING FOUNDATION BE ALLOWED.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT, SIDEWALK, AND CURB ELEVATIONS AT ALL TIE IN LOCATIONS PRIOR TO CONSTRUCTION AND REPORT DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
3. ALL CURB RAMPS SHALL BE A.D.A. COMPLIANT AND THE LONGITUDINAL AND CROSS SLOPES SHALL NOT EXCEED THE MAXIMUM SLOPES IDENTIFIED ON THE SITE DETAILS (SEE SHEET L606 PREPARED BY CONTEXT DESIGN). CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF FIELDS CONDITIONS PREVENT CURB RAMPS FROM BEING CONSTRUCTED WITHOUT EXCEEDING MAXIMUM SLOPES.
4. CONTRACTOR SHALL FIELD VERIFY FINISHED FLOOR ELEVATIONS OF EXISTING DUGOUTS AND CONCESSIONS BUILDING PRIOR TO CONSTRUCTION AND REPORT DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
5. CONTRACTOR SHALL REFER TO SITE MATERIALS PLAN AND SITE DETAILS PREPARED BY CONTEXT DESIGN FOR SEATWALL LAYOUT AND SECTIONS.



SEAT WALL & STEPS GRADING DETAIL

SCALE: 1" = 10'

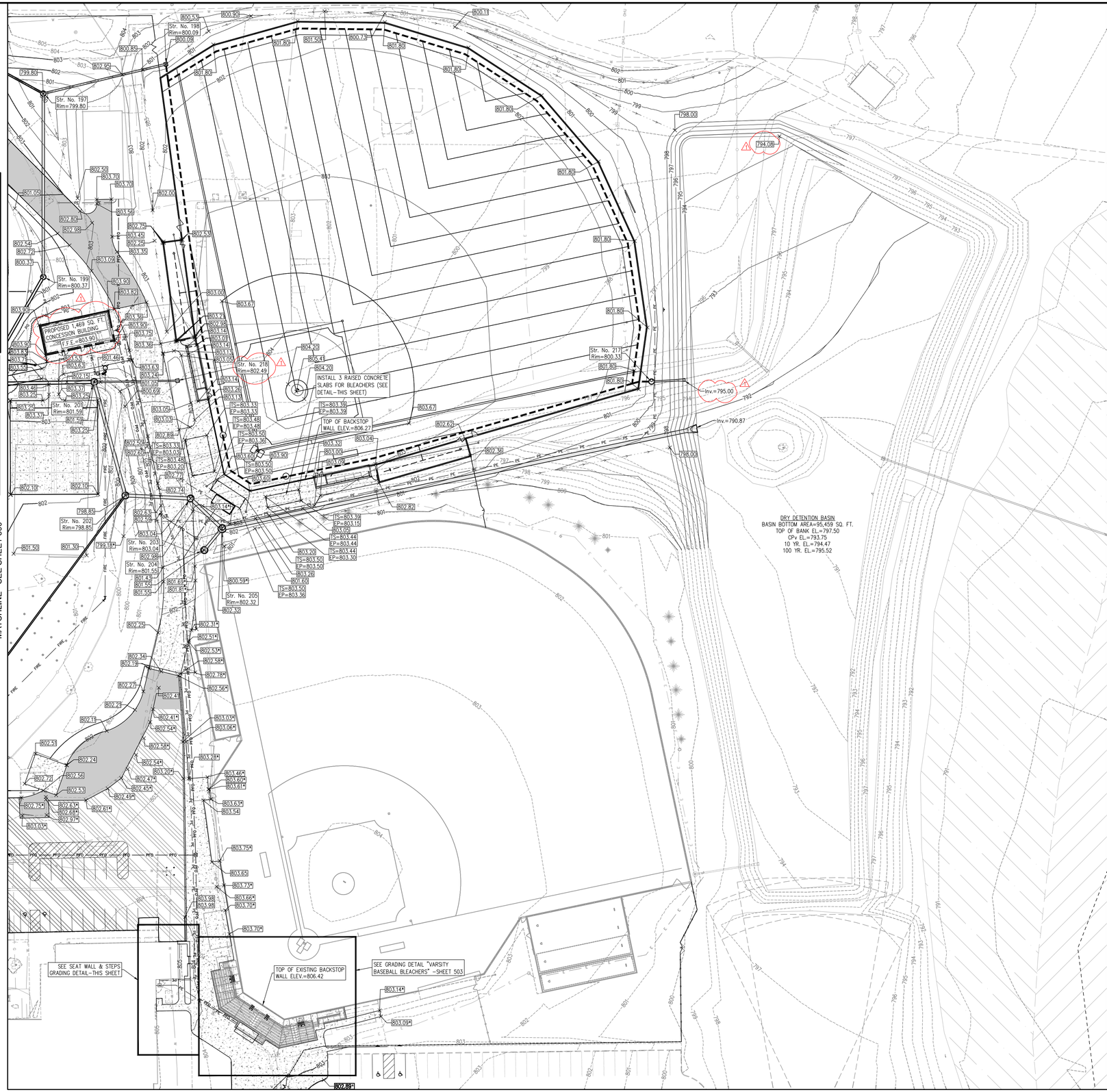


TYPICAL SECTION: RAISED CONCRETE SLAB FOR BLEACHERS

NOT TO SCALE

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

Know what's below. Call before you dig. INDIANA 811



CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 501

GRADING PLAN

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	.	DRAWN	KLF	CHECKED	TEN
DATE	FEBRUARY 2, 2026	DESIGNED	DMS	APPR.	GJI

DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI
2	03.06.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI

SHEET 501

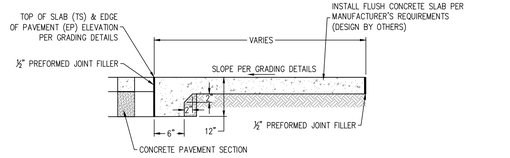
DIRECTORY PATH : R:\Active\Larson-Biehl\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 501 GRADING PLAN PH5.dwg
DATE/USER : 3/6/2026 10:29 AM / Danyder

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

HATCH LEGEND

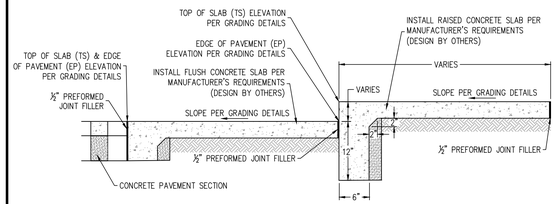
INSTALL FLUSH CONCRETE SLAB PER BLEACHER MANUFACTURER'S REQUIREMENTS (DESIGN BY OTHERS). SLOPE TOP OF SLAB PER GRADING PLAN

INSTALL RAISED CONCRETE SLAB PER BLEACHER MANUFACTURER'S REQUIREMENTS (DESIGN BY OTHERS). SLOPE TOP OF SLAB PER GRADING PLAN



TYPICAL SECTION A-A: TURN DOWN CURB @ FLUSH CONCRETE SLAB

NOT TO SCALE



TYPICAL SECTION B-B: TURN DOWN CURB @ RAISED CONCRETE SLAB

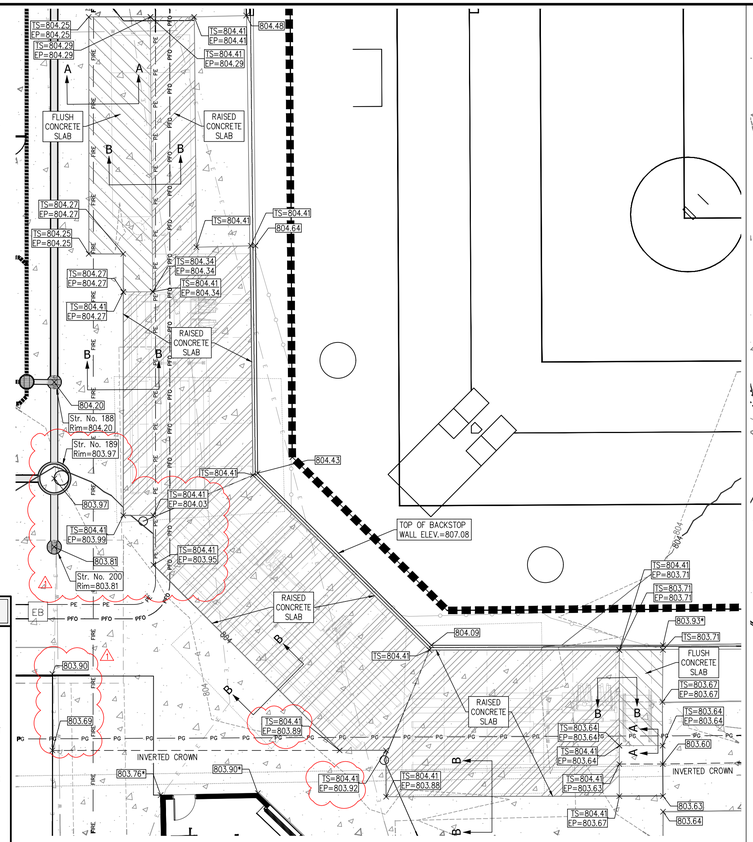
NOT TO SCALE

GRADING LEGEND

860.00 TOP OF CURB 859.50 EDGE OF PAVEMENT	PROPOSED ELEVATIONS
TS=860.00 TOP OF SLAB EP=859.50 EDGE OF PAVEMENT	
860.00 FINISH GRADE	
FGF=850.00	PROPOSED FINISHED GRADE AT FOUNDATION
860.00 * 859.50 *	EXISTING ELEVATIONS
860.00 *	(TO BE FIELD VERIFIED)
FFE = XXX.XX	PROPOSED FINISH FLOOR ELEVATION
	PROPOSED DRAINAGE SWALE
800	EXISTING CONTOURS
800	PROPOSED CONTOURS
GRADE BREAK	GRADE BREAK
	CURB HEIGHT TO TAPER FROM 0.5' TO 0.0' IN 6 LFT.

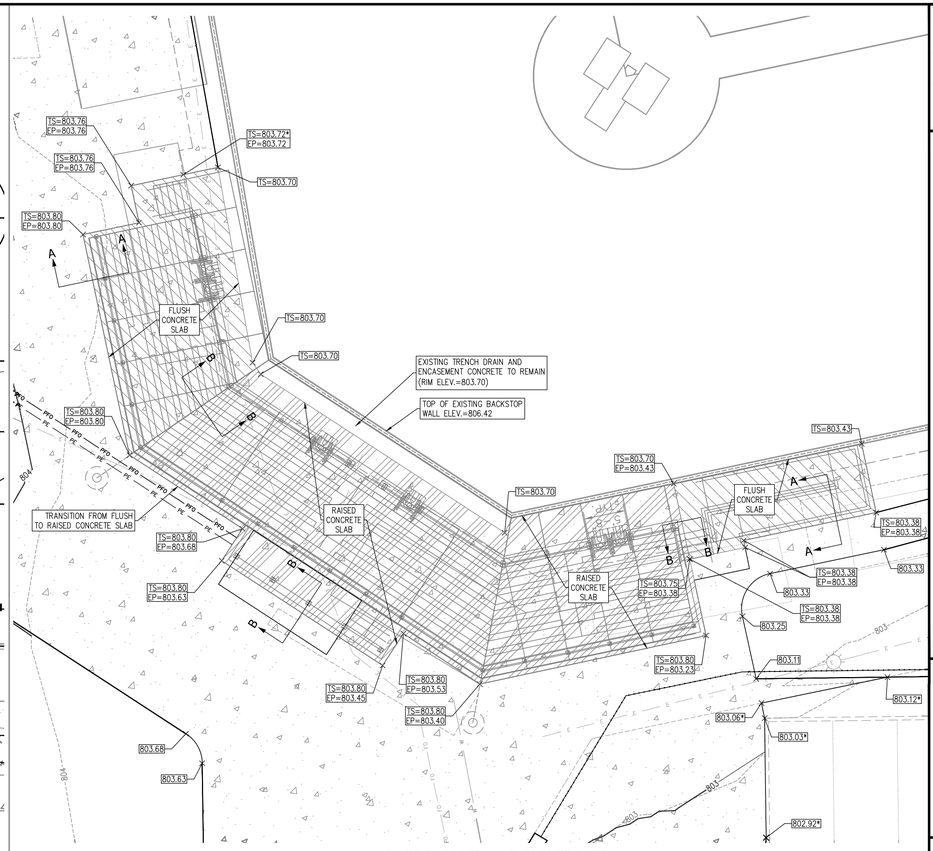
GRADING NOTES

1. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS IN FINAL GRADING OF SITE. IN NO INSTANCE SHALL DRAINAGE TOWARDS THE BUILDING FOUNDATION BE ALLOWED.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT, SIDEWALK, AND CURB ELEVATIONS AT ALL TIE IN LOCATIONS PRIOR TO CONSTRUCTION AND REPORT DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
3. ALL CURB RAMPS SHALL BE A.D.A. COMPLIANT AND THE LONGITUDINAL AND CROSS SLOPES SHALL NOT EXCEED THE MAXIMUM SLOPES IDENTIFIED ON THE SITE DETAILS (SEE SHEET L606 PREPARED BY CONTEXT DESIGN). CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF FIELDS CONDITIONS PREVENT CURB RAMPS FROM BEING CONSTRUCTED WITHOUT EXCEEDING MAXIMUM SLOPES.
4. CONTRACTOR SHALL FIELD VERIFY FINISHED FLOOR ELEVATIONS OF EXISTING DUGOUTS AND CONCESSIONS BUILDING PRIOR TO CONSTRUCTION AND REPORT DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
5. CONTRACTOR SHALL VERIFY LAYOUT AND DIMENSIONS OF BLEACHER SYSTEMS, INCLUDING BUT NOT LIMITED TO; BLEACHERS, RAMPS, STEPS, AND PRESS BOXES WITH MANUFACTURER PRIOR TO CONSTRUCTION AND COORDINATE ADJUSTMENTS TO FLUSH AND RAISED CONCRETE SLAB LAYOUTS WITH OWNER, ARCHITECT, AND SKILLMAN CORPORATION AS NEEDED BASED ON BLEACHER SYSTEM LAYOUT.



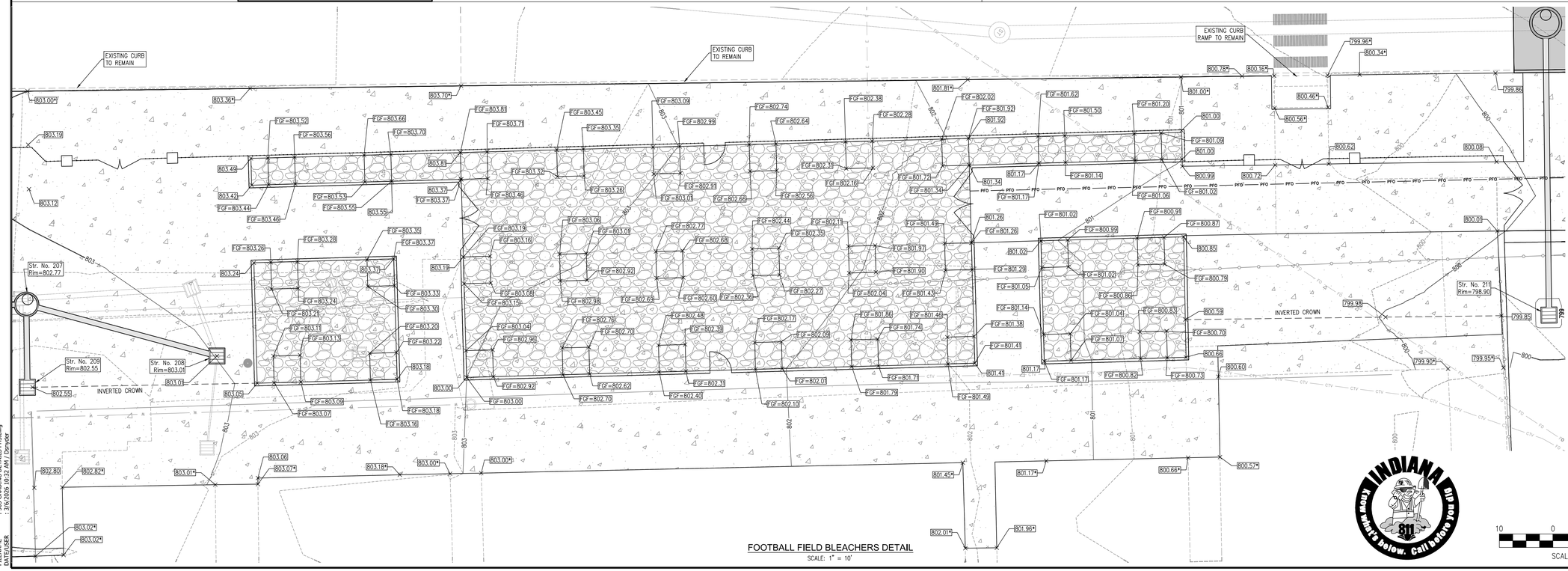
VARSITY SOFTBALL BLEACHERS DETAIL

SCALE: 1" = 10'



VARSITY BASEBALL BLEACHERS DETAIL

SCALE: 1" = 10'



FOOTBALL FIELD BLEACHERS DETAIL

SCALE: 1" = 10'

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 503

GRADING DETAILS

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	.	DRAWN	KLF	CHECKED	TEN
DATE	FEBRUARY 2, 2026	DESIGNED	DMS	APPR.	GJI

REGISTERED DEREK M. SNYDER NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	DATE	BY	APPR.
1	02.09.26	DMS	GJI
2	03.06.26	DMS	GJI

REVISIONS
1 REVISIONS FOR 100% CD SUBMITTAL
2 REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1

SHEET 503

DIRECTORY PATH : R:\Admin\Lance+Basket\Whiteland High School\Design\CAD\Plans\PHASE 5
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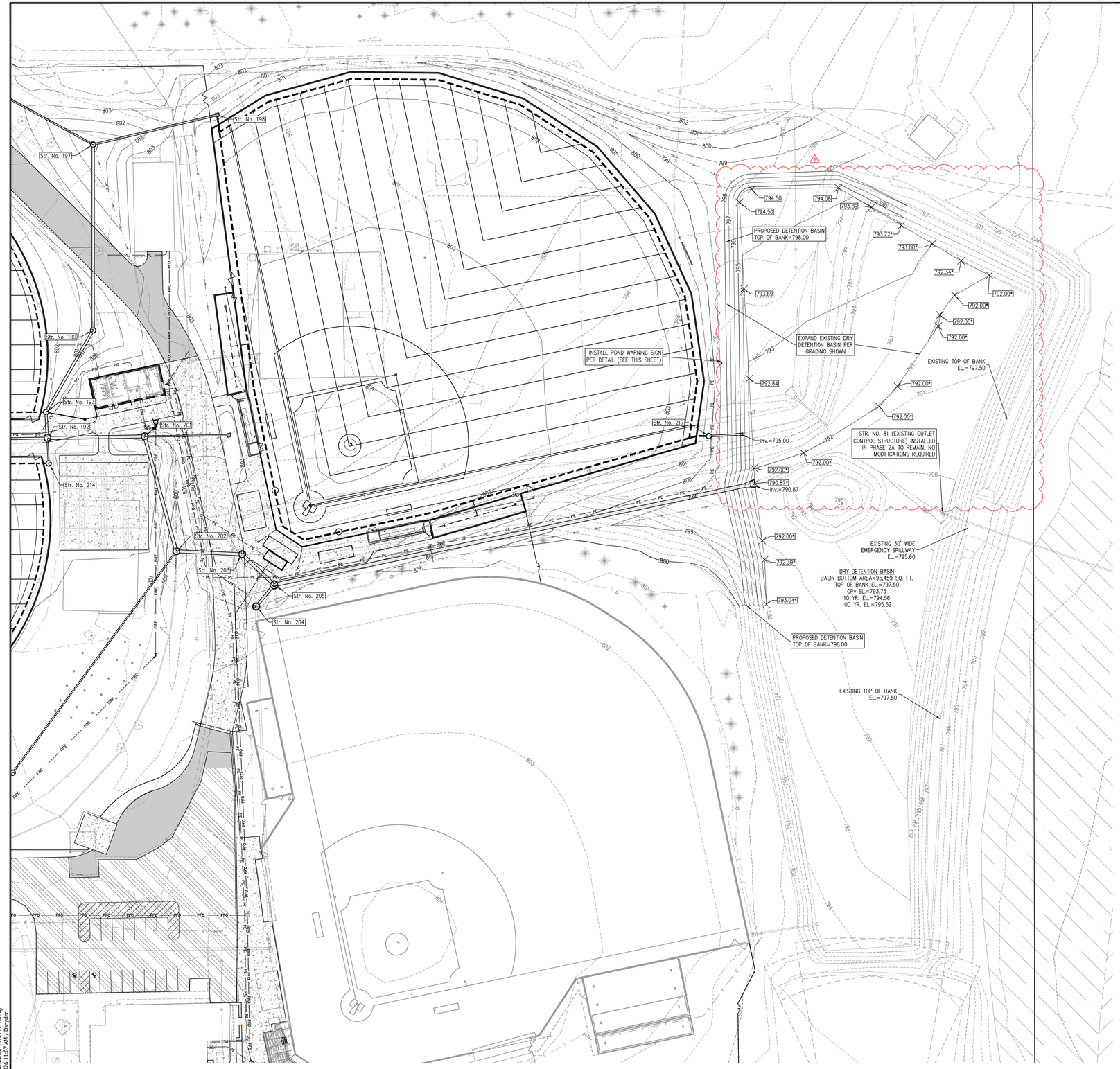
DATE/USER : 3/6/2026 10:32 AM / Dsnyder

INDIANA 811 Know what's below. Call before you dig.



INDIANA 811 Know what's below. Call before you dig.

ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, CITY OR COUNTY OFFICIALS

NOTE: NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

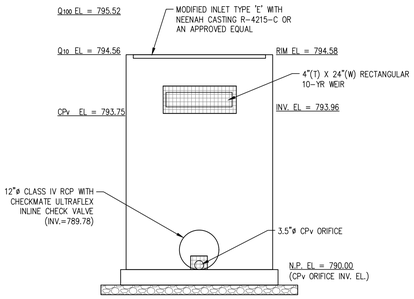
PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- SETBACK LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER LINE
- WATER SERVICE LINE
- GAS LINE
- FIBER OPTIC LINE
- TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS
- STORM MANHOLES
- STORM INLETS
- STORM CURB INLETS
- ELECTRIC HANDHOLE
- FIBER OPTIC HANDHOLE
- SIGN

NORTH

40 0 40 80

SCALE: 1" = 40'



STR. NO. 81 - EXISTING OUTLET CONTROL STRUCTURE DETAIL

NOT TO SCALE

NOTE: THIS DETAIL HAS BEEN PROVIDED FOR REFERENCE ONLY. NO NEW OUTLET CONTROL STRUCTURE OR MODIFICATIONS TO THE EXISTING STRUCTURE (STR. NO. 81) ARE REQUIRED.

WARNING SIGN DETAIL (10"X7" MIN.)

NO SCALE

FLOODPLAIN INFORMATION

BY GRAPHIC PLOTTING ONLY, THIS TRACT OF LAND DESCRIBED HEREON LIES WITHIN THE UNSHADED PORTION OF ZONE 'X' (AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), FLOODPLAIN ZONE 'X' (AREAS OF 0.2% ANNUAL CHANCE FLOOD), FLOODPLAIN ZONE 'AE' (AREA OF 1% ANNUAL CHANCE FLOOD WITH ESTABLISHED BASE FLOOD ELEVATIONS), AND FLOODWAY ZONE 'AE' AND IS IN A SPECIAL FLOOD HAZARD AREA AS PLOTTED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR JOHNSON COUNTY, INDIANA, COMMUNITY PANEL NO. 18081C0137D, WHICH BEARS AN EFFECTIVE DATE OF 08/02/2007.

FLOODPLAIN BFE NOTE

THE BASE FLOOD ELEVATION (BFE) SHOWN FROM THE FEMA FLOOD MAPS FOR THIS SITE ARE FOR REFERENCE ONLY AND MAY NOT PRESENT THE TRUE EXTENTS OF THE FLOODPLAIN RELATIVE TO THE ACTUAL ONSITE TOPOGRAPHY.

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 600

DRAINAGE PLAN

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	.	DRAWN	KLF	CHECKED	TEN	APPR.	GJI
DATE	FEBRUARY 2, 2026	DESIGNED	DMS	DRAWN	KLF	CHECKED	TEN

DEREK M. SNYDER REGISTERED PROFESSIONAL ENGINEER NO. 11200008 STATE OF INDIANA

Derek M. Snyder

NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI
2	03.06.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI

SHEET 600

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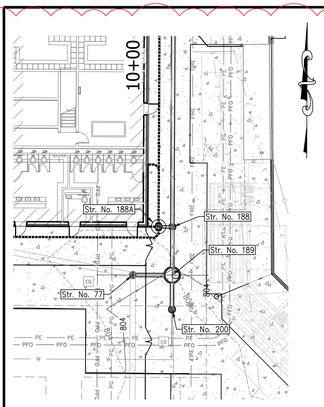
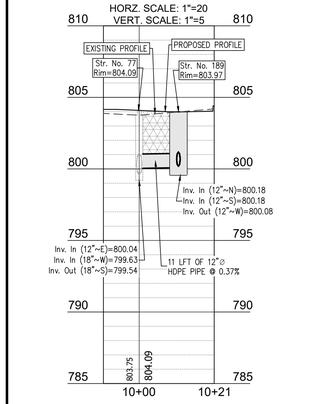
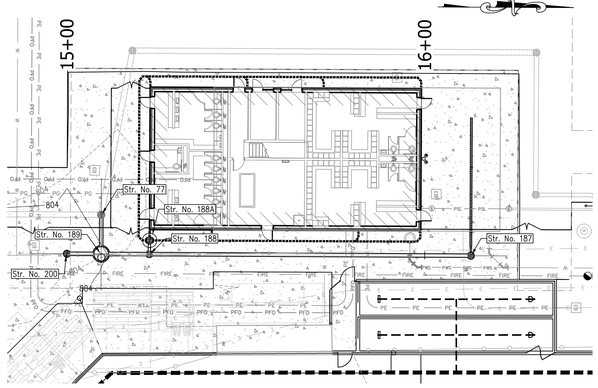
DATE/USER : 3/6/2026 11:07 AM / Dsnyder

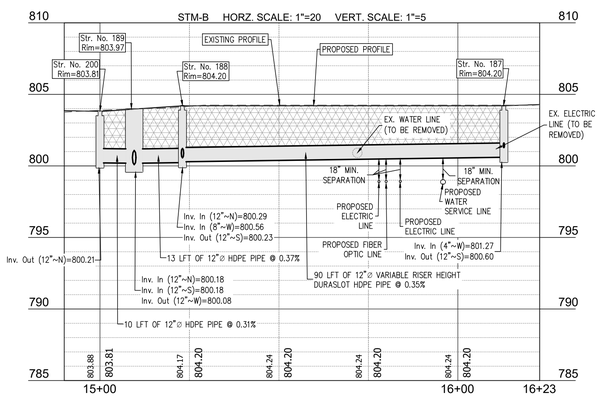


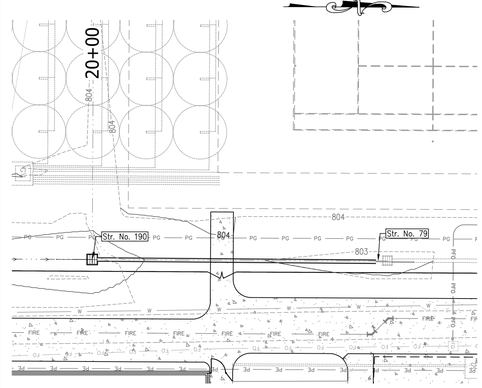
STM-A
HORZ. SCALE: 1"=20
VERT. SCALE: 1"=5



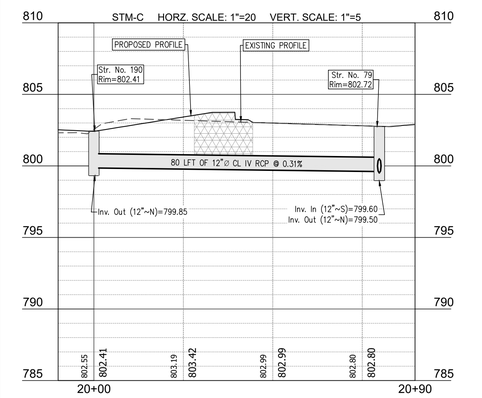


STM-B HORZ. SCALE: 1"=20 VERT. SCALE: 1"=5





STM-C HORZ. SCALE: 1"=20 VERT. SCALE: 1"=5

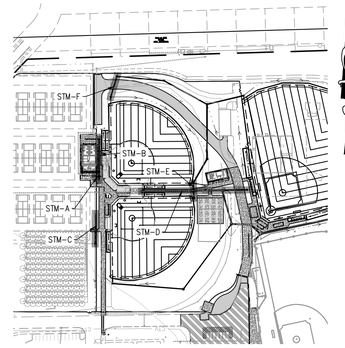


PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- SETBACK LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER LINE
- WATER SERVICE LINE
- GAS LINE
- FIBER OPTIC LINE
- TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS
- STORM MANHOLES
- STORM INLETS
- STORM CURB INLETS
- ELECTRIC HANDHOLE
- FIBER OPTIC HANDHOLE
- SIGN

20 0 20 40
SCALE: 1" = 20'

DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTOR DENSITY IN 6" MAX LIFTS

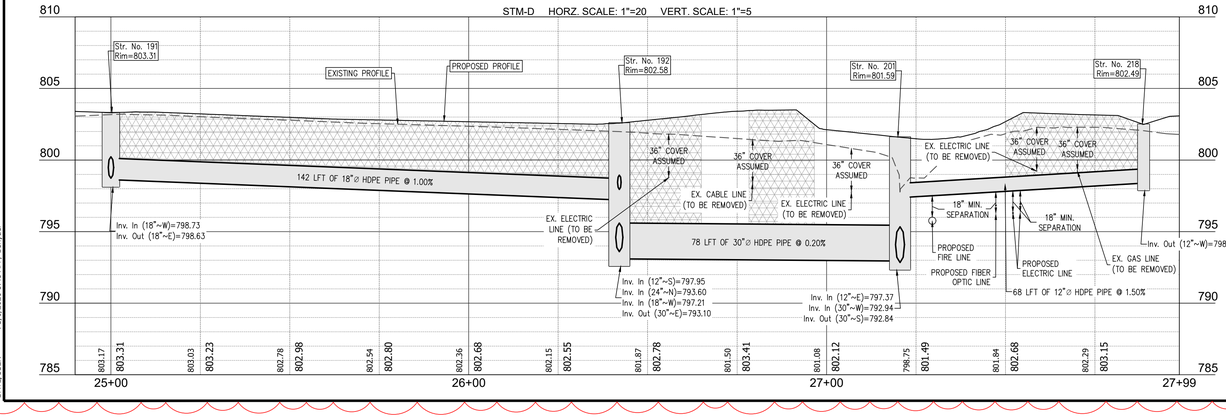


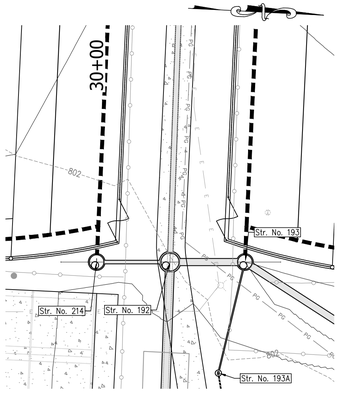
KEYMAP
NO SCALE

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

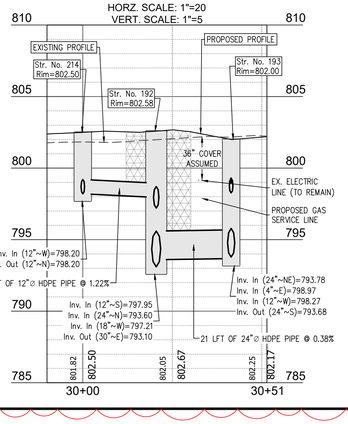
INDIANA 811 Know what's below. Call before you dig.

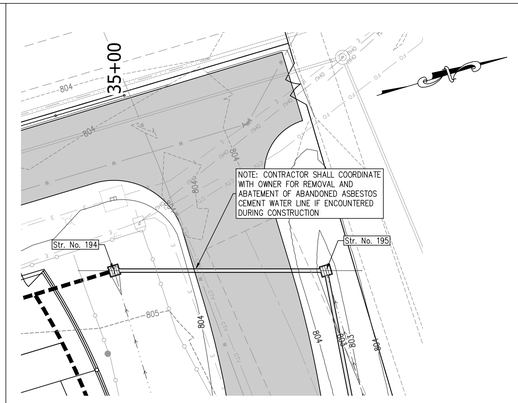
STM-D HORZ. SCALE: 1"=20 VERT. SCALE: 1"=5



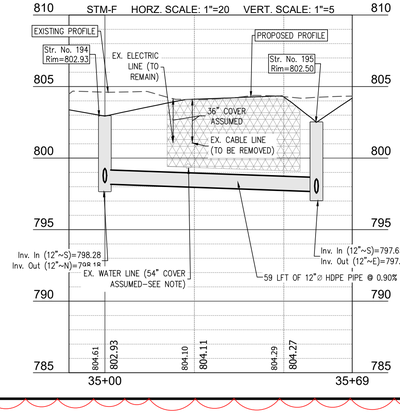


STM-E
HORZ. SCALE: 1"=20
VERT. SCALE: 1"=5





STM-F HORZ. SCALE: 1"=20 VERT. SCALE: 1"=5



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DATE/USER : 3/6/2026 8:48 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 S. 17th STREET, SUITE 1500, PHILADELPHIA, PA 19103 (215) 790-1500

STORM PLAN AND PROFILES

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	.	DRAWN	KLF	CHECKED	TEN	APPR.	GJI
DATE	FEBRUARY 2, 2026	DESIGNED	DMS				

SHEET 700

DEREK M. SNYDER REGISTERED PROFESSIONAL ENGINEER NO. 11200008 STATE OF INDIANA

NO.	DATE	BY	APPR.
1	02.09.26	DMS	GJI
2	03.06.26	DMS	GJI
3			
4			
5			
6			
7			
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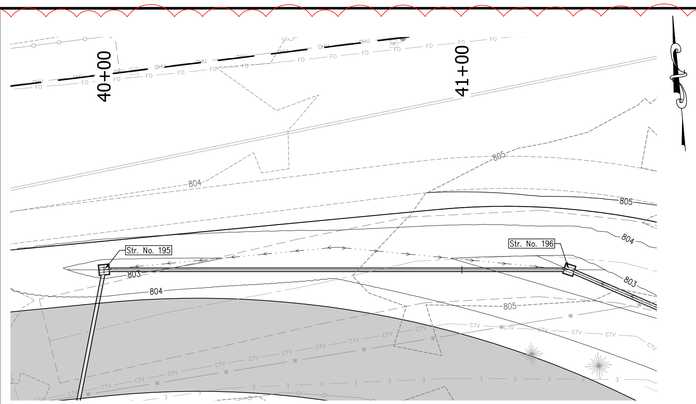
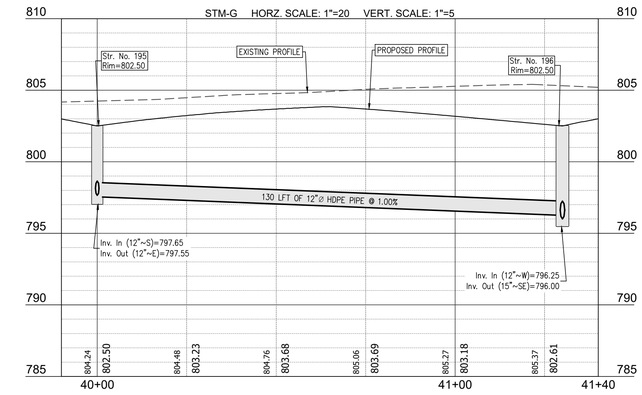
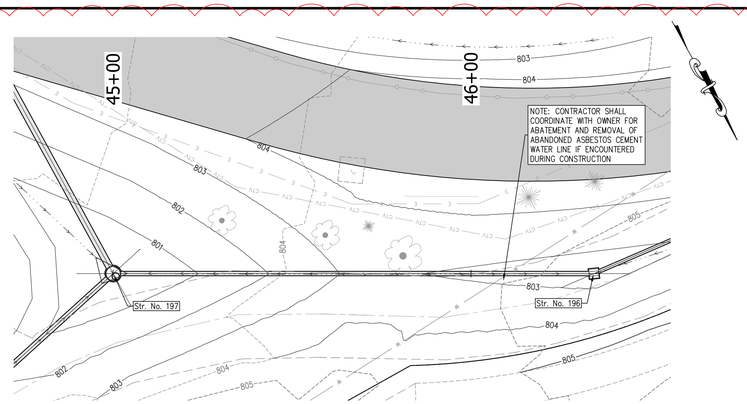
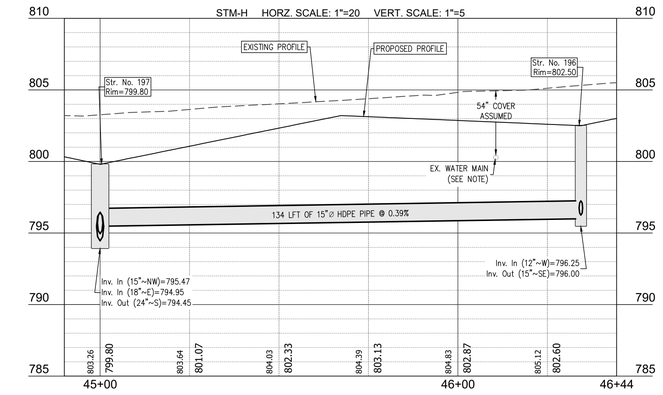
9			

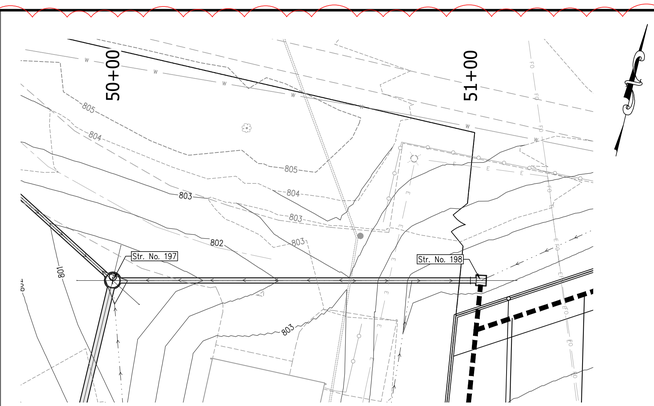
REVISIONS
1 REVISIONS FOR 100% CD SUBMITTAL
2 REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1

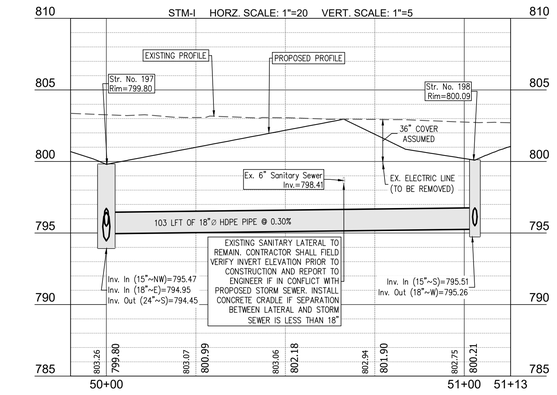


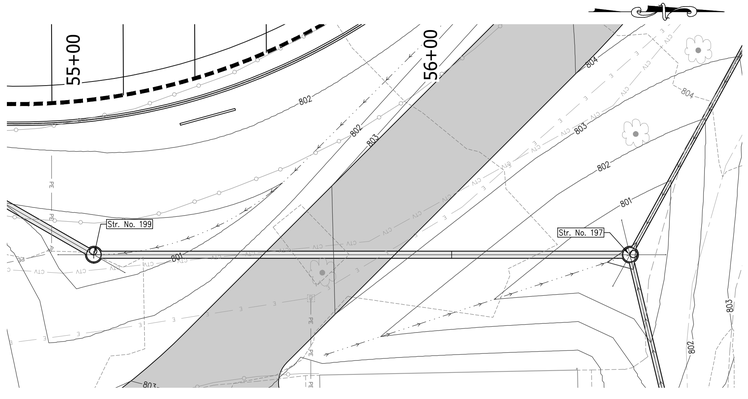


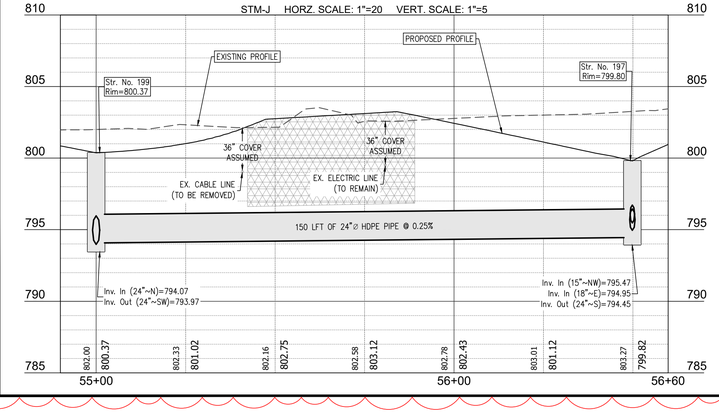


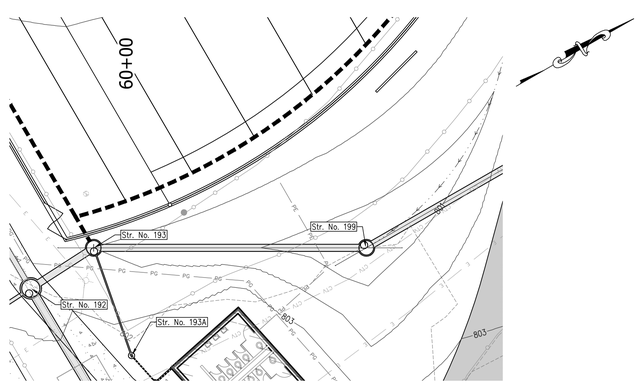


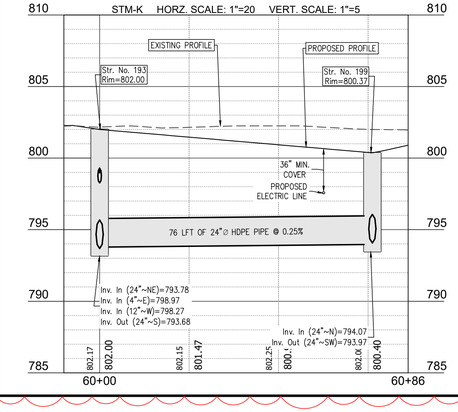












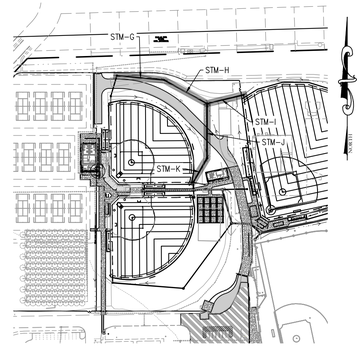
PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- SETBACK LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER LINE
- WATER SERVICE LINE
- GAS LINE
- FIBER OPTIC LINE
- TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS
- STORM MANHOLES
- STORM INLETS
- STORM CURB INLETS
- ELECTRIC HANDHOLE
- FIBER OPTIC HANDHOLE
- SIGN

20 0 20 40

SCALE: 1" = 20'

DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTOR DENSITY IN 6" MAX LIFTS



KEYMAP

NO SCALE

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

INDIANA 811 Know what's below. Call before you dig.

DIRECTORY PATH : R:\Active\Lenexa-Rebid\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 701 STORM PP PH 5.dwg
DATE/USER : 3/6/2026 8:51 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 701

STORM PLAN AND PROFILES

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	-	DRAWN	KLF	CHECKED	TEN
DATE	FEBRUARY 2, 2026	DESIGNED	DMS	APPR.	GJI

DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI
2	03.06.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI

SHEET 701

PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- SETBACK LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER LINE
- WATER SERVICE LINE
- GAS LINE
- FIBER OPTIC LINE
- TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS
- STORM MANHOLES
- STORM INLETS
- STORM CURB INLETS
- ELECTRIC HANDHOLE
- FIBER OPTIC HANDHOLE
- SIGN

20 0 20 40

SCALE: 1" = 20'

DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTOR DENSITY IN 6" MAX LIFTS

KEYMAP

NO SCALE

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

Know what's below. Call before you dig. INDIANA 811

DIRECTORY PATH : R:\Active\Lennon-Rebel\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 702 STORM PP PH 5.dwg
DATE/USER : 2/6/2026 11:35 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 S. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 702

STORM PLAN AND PROFILES

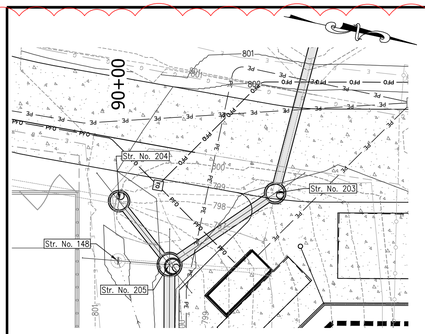
WHITELAND HIGH SCHOOL PHASE 5

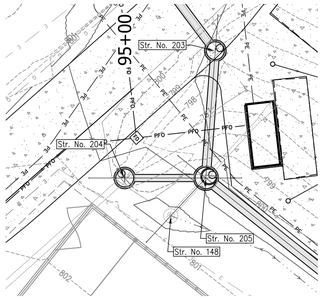
JOB No.	.	DRAWN	KLF	CHECKED	TEN	APPR.	GJI
DATE	FEBRUARY 2, 2026	DESIGNED	DMS			APPR.	GJI

DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

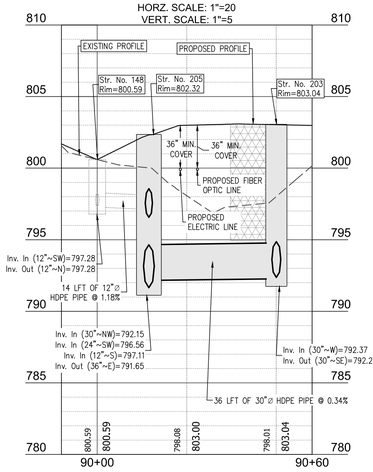
NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI
2	03.06.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI

SHEET 702

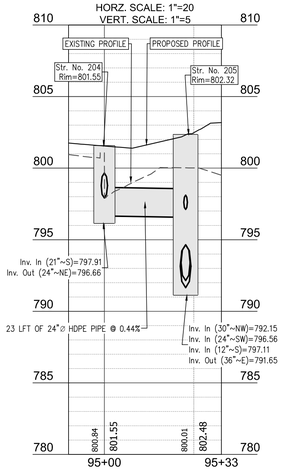




STM-Q
HORZ. SCALE: 1"=20
VERT. SCALE: 1"=5



STM-R
HORZ. SCALE: 1"=20
VERT. SCALE: 1"=5



PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- SETBACK LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
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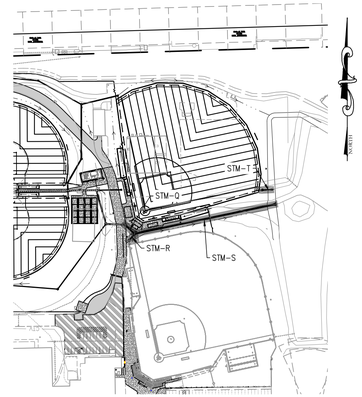
- STORM MANHOLES
- STORM INLETS
- STORM CURB INLETS
- ELECTRIC HANDHOLE
- FIBER OPTIC HANDHOLE
- SIGN

20 0 20 40
SCALE: 1" = 20'

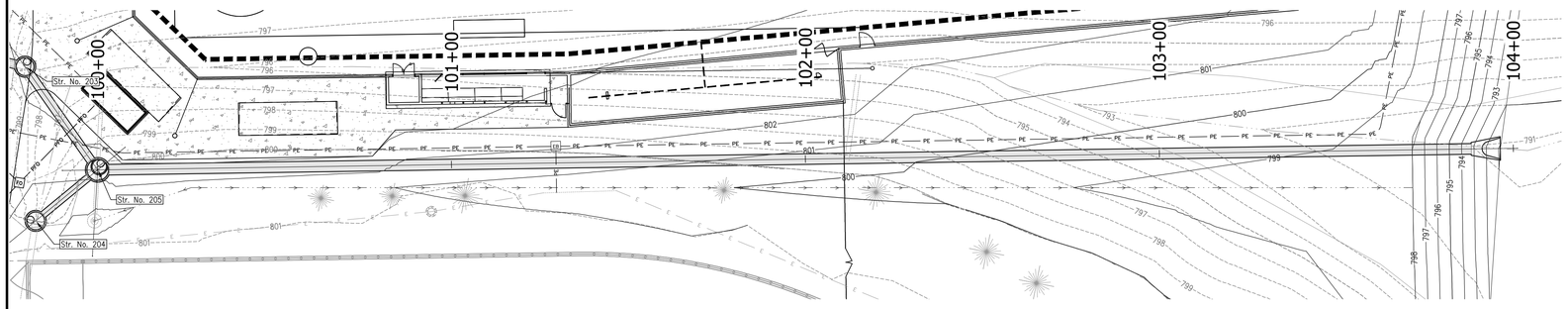
DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTOR DENSITY IN 6" MAX LIFTS



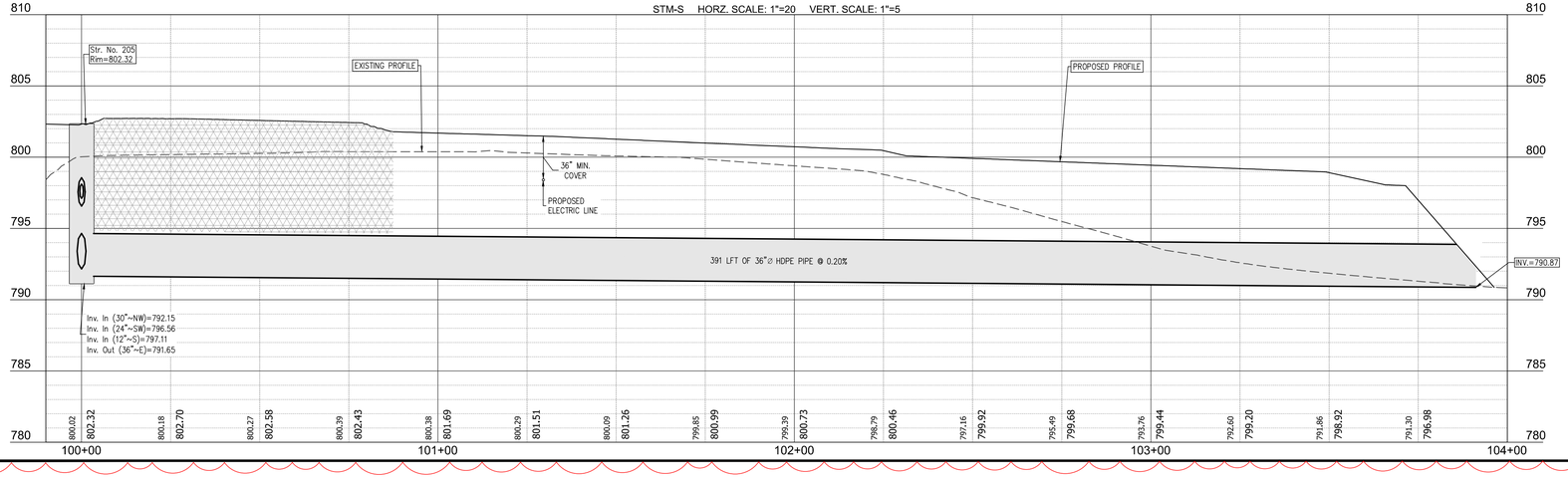
KEYMAP
NO SCALE

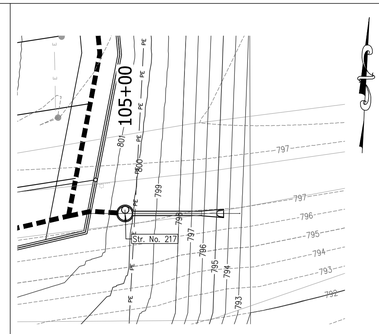
NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

INDIANA 811 Know What's Below. Call Before You Dig

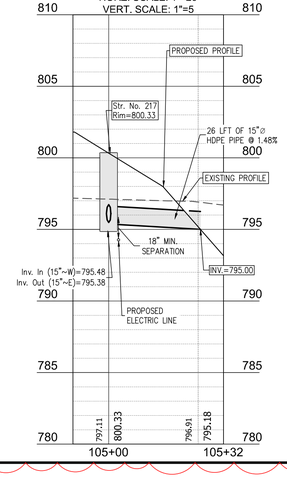


STM-S HORZ. SCALE: 1"=20 VERT. SCALE: 1"=5





STM-T
HORZ. SCALE: 1"=20
VERT. SCALE: 1"=5



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DATE/USER : 3/6/2026 11:35 AM / Dsnyder

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Transportation & Development Consultants
115 S. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 703

STORM PLAN AND PROFILES

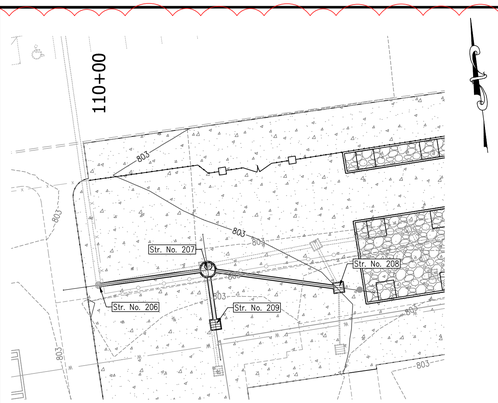
WHITELAND HIGH SCHOOL PHASE 5

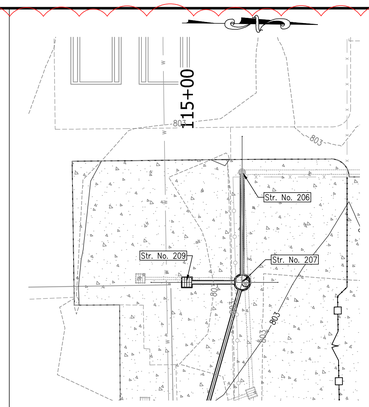
JOB No.	.	DRAWN	KLF	CHECKED	TEN
DATE	FEBRUARY 2, 2026	DESIGNED	DMS	APPR.	GJI

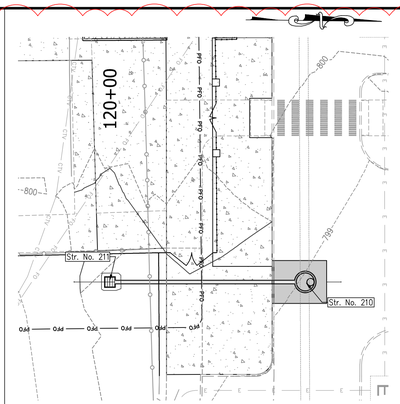
DEREK M. SNYDER NO. 11200008 STATE OF INDIANA REGISTERED PROFESSIONAL ENGINEER

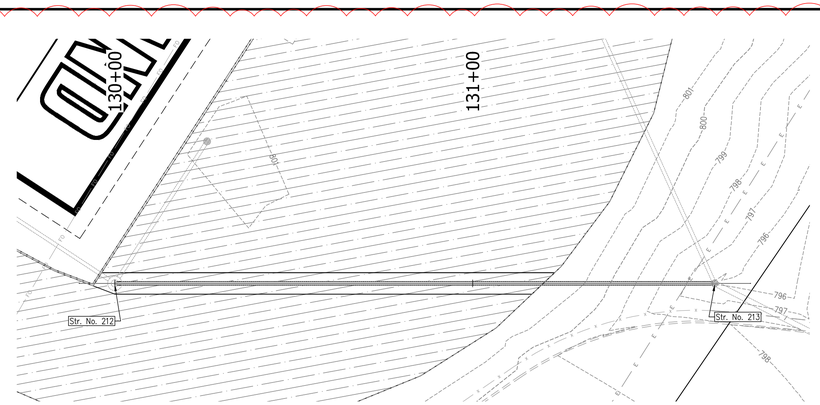
NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI
2	03.06.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI
3				
4				
5				
6				
7				
8				
9				

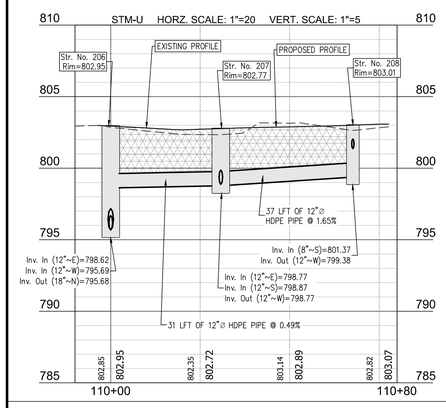
SHEET 703

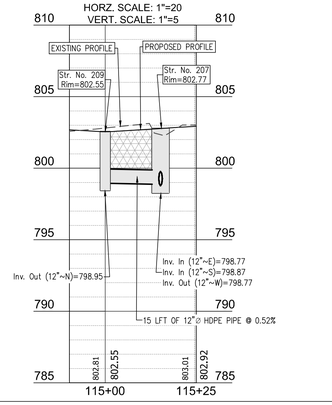


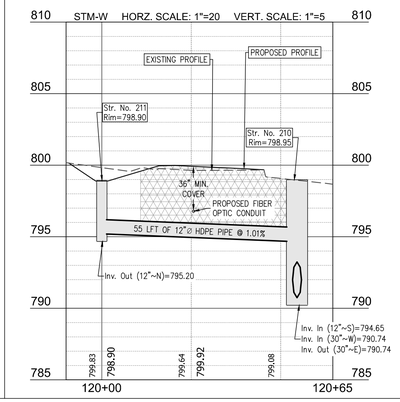


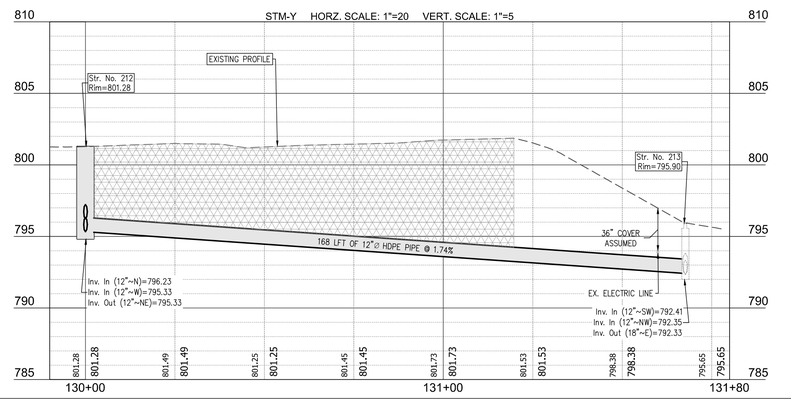












PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- SETBACK LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
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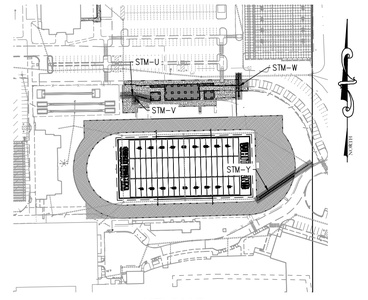
- STORM MANHOLES
- STORM INLETS
- STORM CURB INLETS
- ELECTRIC HANDHOLE
- FIBER OPTIC HANDHOLE
- SIGN



KEYMAP

NO SCALE

20 0 20 40

SCALE: 1" = 20'

DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTOR DENSITY IN 6" MAX LIFTS

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

INDIANA 811 Know what's below. Call before you dig.

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 704

STORM PLAN AND PROFILES

WHITELAND HIGH SCHOOL PHASE 5

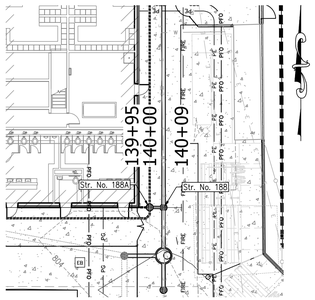
JOB No.	-	DRAWN	KLF	CHECKED	TEN
DATE	FEBRUARY 2, 2026	DESIGNED	DMS	APPR.	GJI

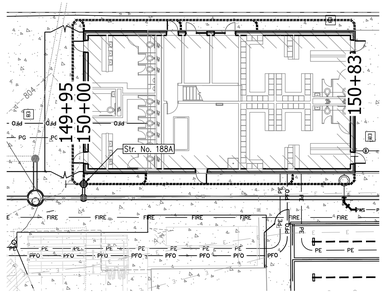
DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI
2	03.06.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI

SHEET 704

DIRECTORY PATH : I:\Active\Larson-Reske\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 704 STORM PP PH 5.dwg
DATE/USER : 3/6/2026 11:35 AM / Dsnyder





PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- SETBACK LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
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- STORM MANHOLES
- STORM INLETS
- STORM CURB INLETS
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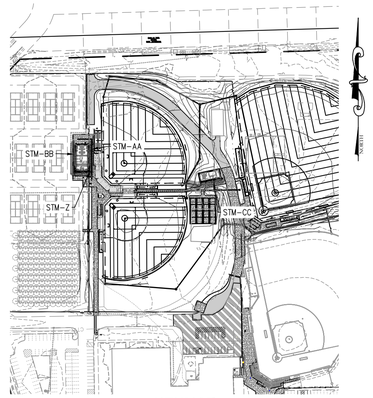
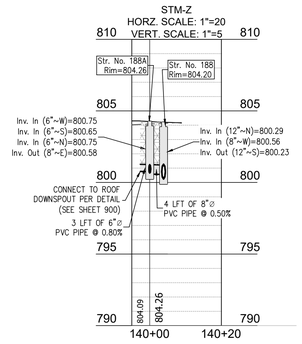
- SIGN

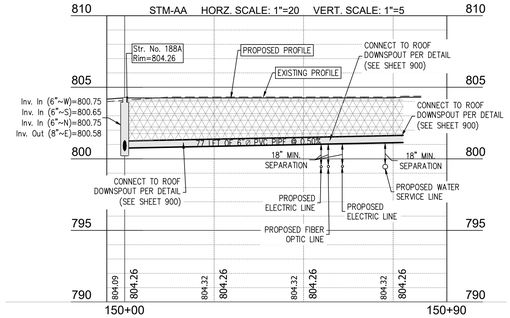
DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTOR DENSITY IN 6" MAX LIFTS

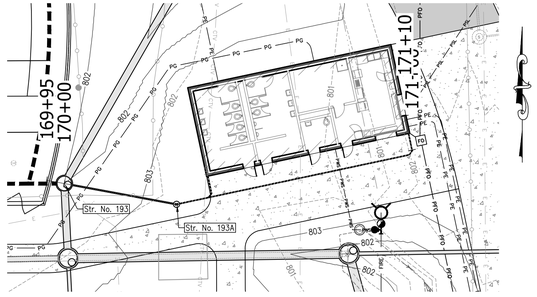


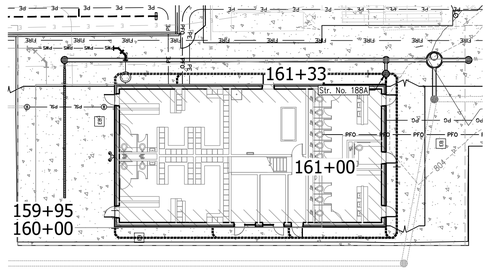
KEYMAP

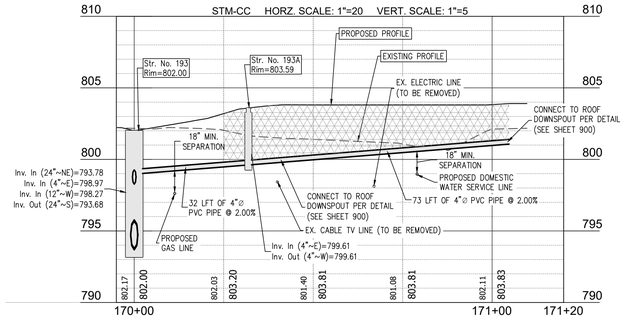
NO SCALE

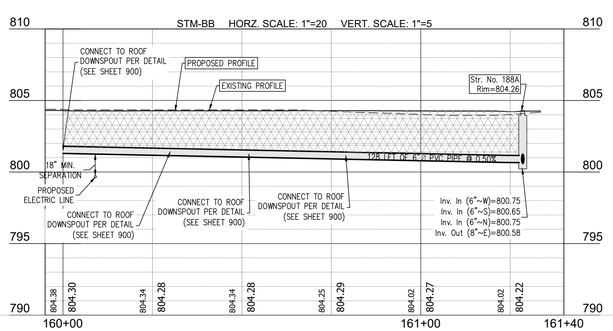












CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 705

STORM PLAN AND PROFILES

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	.	CHECKED	TEN	APPR.	GJI
DRAWN	KLF				
DESIGNED	DMS				
DATE	FEBRUARY 2, 2026				

REVISIONS

NO.	DATE	BY	APPR.
2	03.06.26	DMS	GJI
1	02.09.26	DMS	GJI

REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1

REVISIONS FOR 100% CD SUBMITTAL

SHEET 705

DIRECTORY PATH : I:\Active\Lennon-Reeks\Whiteland High School\Design\CAD\Plans\PHASE 5
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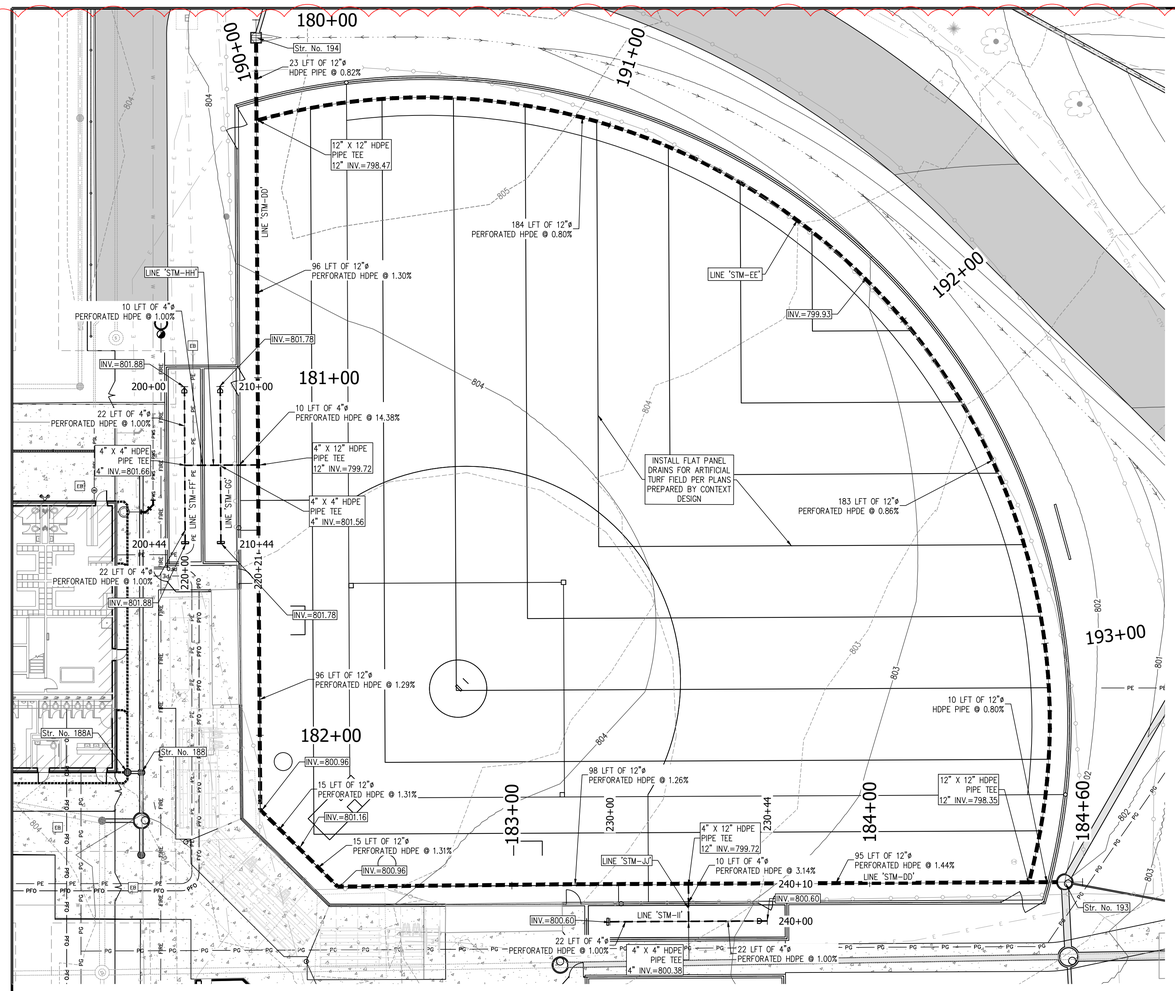
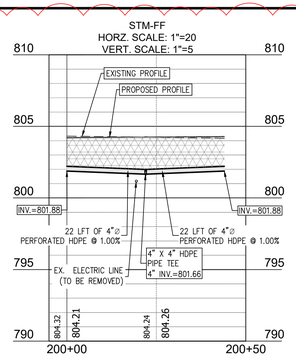
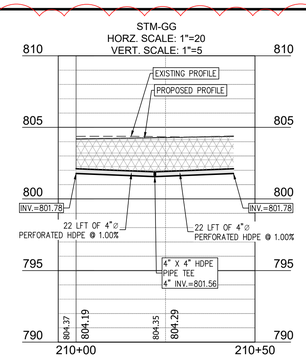
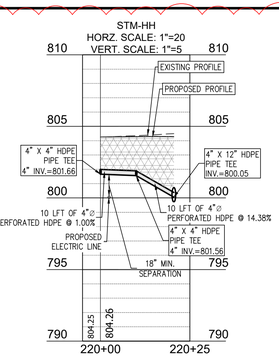
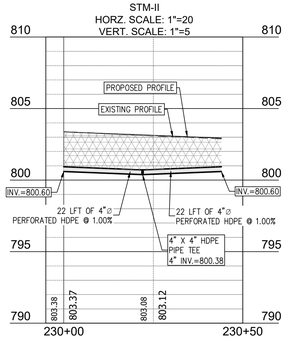
DATE/USER : 3/5/2026 4:32 PM / Dsnyder

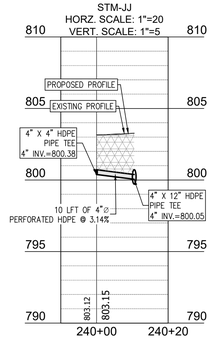


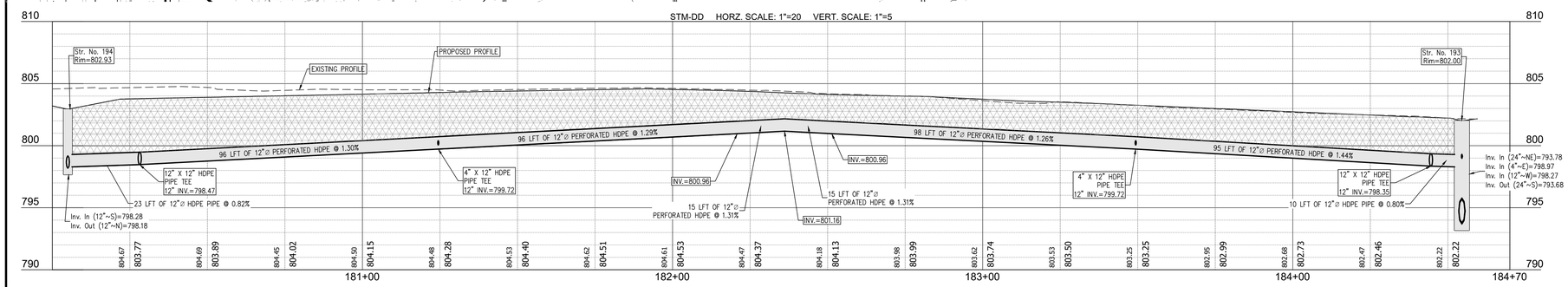


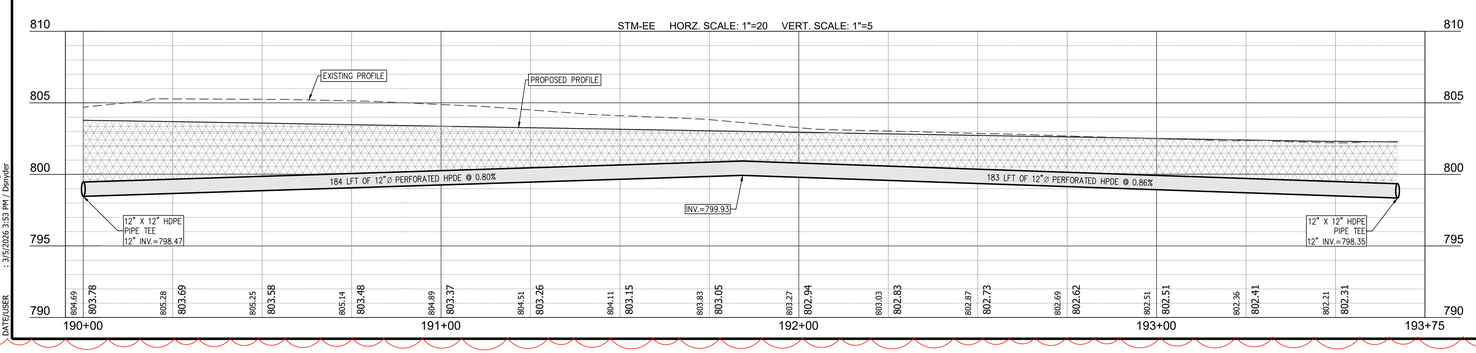












PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- SETBACK LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER LINE
- WATER SERVICE LINE
- GAS LINE
- FIBER OPTIC LINE
- TEMPORARY CONSTRUCTION FENCE ON STANDS WITH SAND BAGS
- STORM MANHOLES
- STORM INLETS
- STORM CURB INLETS
- ELECTRIC HANDHOLE
- FIBER OPTIC HANDHOLE
- SIGN

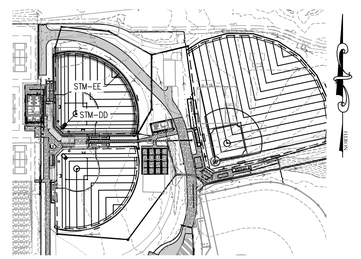
20 0 20 40

SCALE: 1" = 20'

DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTOR DENSITY IN 6" MAX LIFTS

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

INDIANA 811 Know what's below. Call before you dig.



KEYMAP

NO SCALE

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 706

STORM PLAN AND PROFILES

WHITELAND HIGH SCHOOL PHASE 5

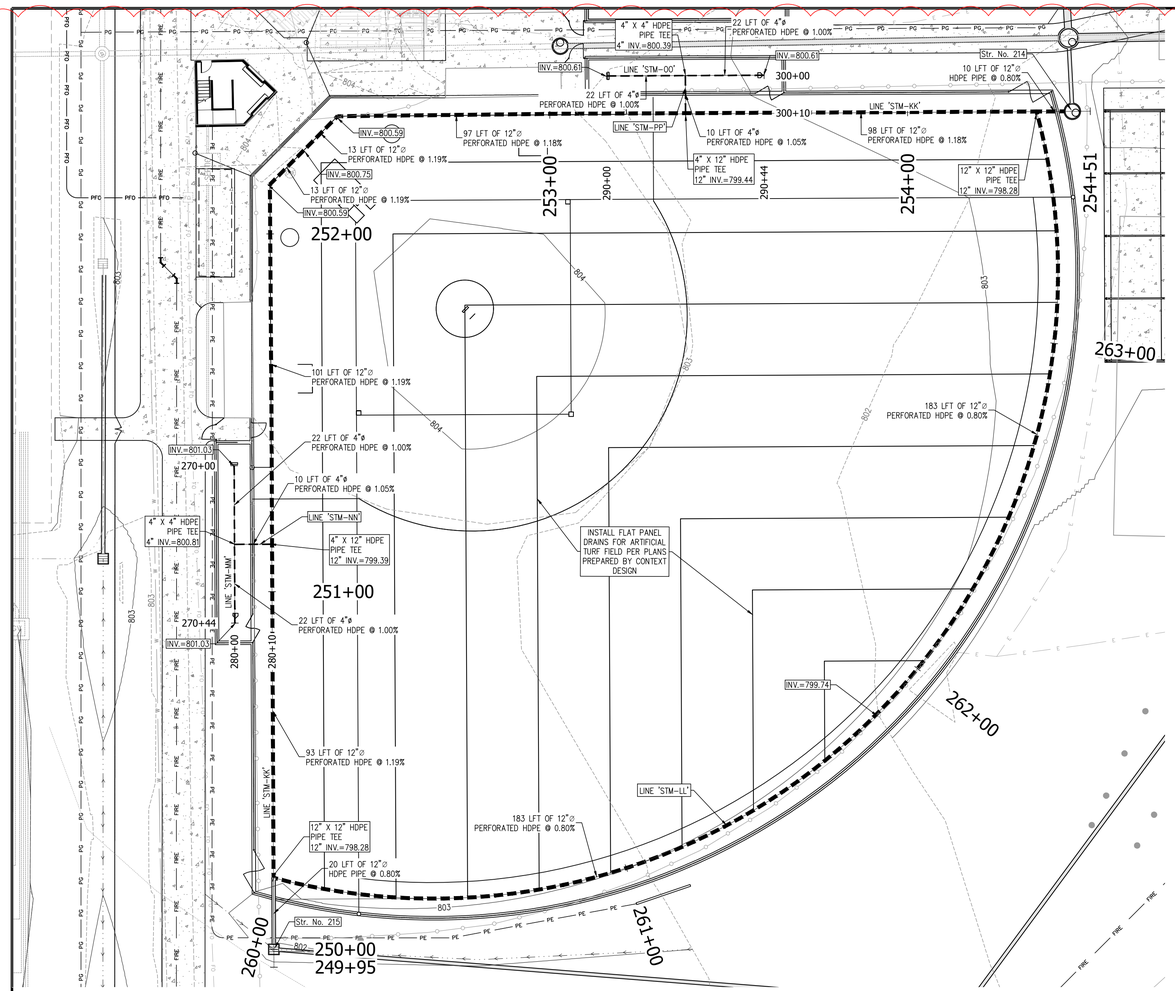
JOB No.	.	DRAWN	KLF
DATE	FEBRUARY 2, 2026	DESIGNED	DMS
		CHECKED	TEN
		APPR.	GJI

DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

Derek M. Snyder

NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	GJI
2	03.06.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	GJI

DIRECTORY PATH : R:\Active\Larsen-Burke\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 706 STORM PP PH 5.dwg
DATE/USER : 3/5/2026 3:53 PM / Dsnyder



STM-MM
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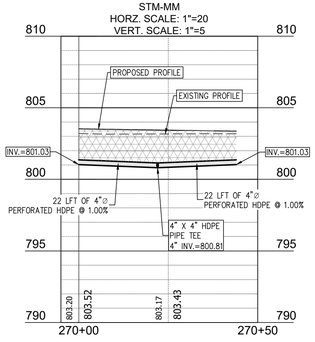
VERT. SCALE: 1"=5



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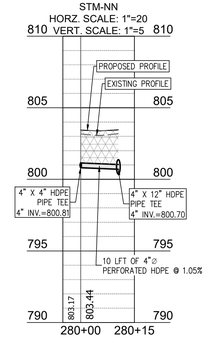
VERT. SCALE: 1"=5



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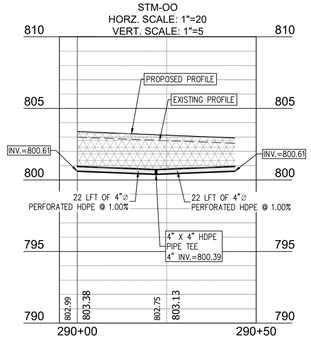
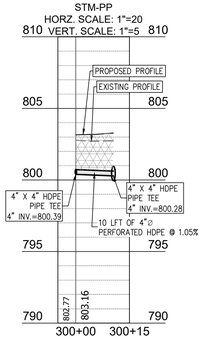
VERT. SCALE: 1"=5



STM-PP
HORZ. SCALE: 1"=20
VERT. SCALE: 1"=5



PROPOSED LEGEND

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- STORM INLETS
- STORM CURB INLETS
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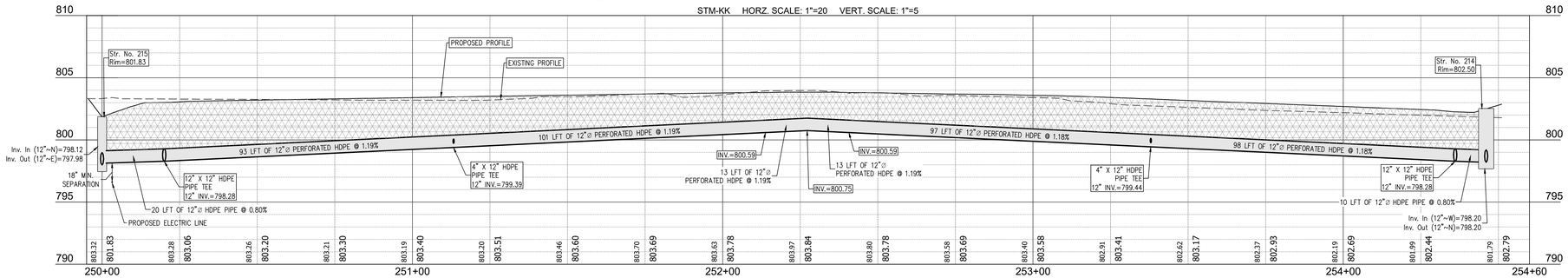
- FIBER OPTIC HANDHOLE
- SIGN

20 0 20 40
SCALE: 1" = 20'

DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTOR DENSITY IN 6" MAX LIFTS

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

STM-KK HORZ. SCALE: 1"=20 VERT. SCALE: 1"=5



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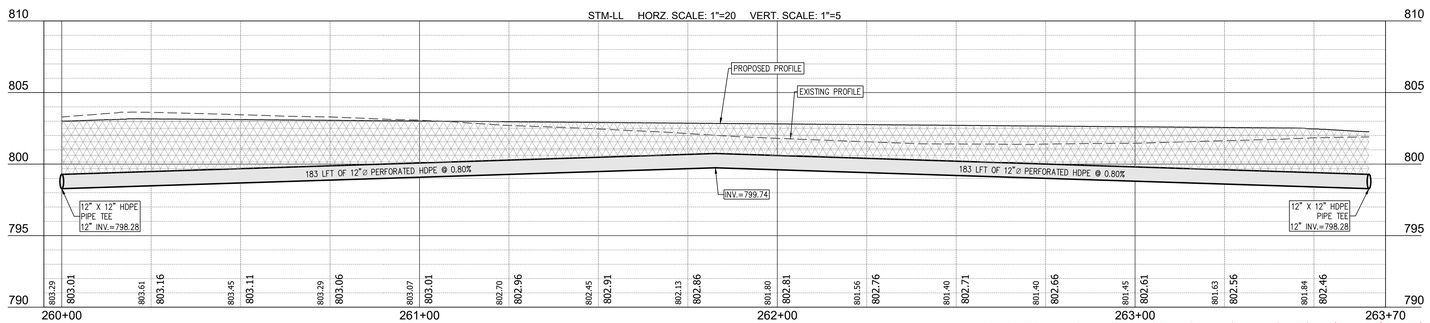

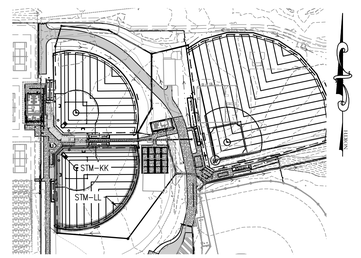

KEYMAP
NO SCALE

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FILENAME : 707 STORM PP PH 5.dwg
DATE/USER : 3/6/2026 9:48 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 707

STORM PLAN AND PROFILES

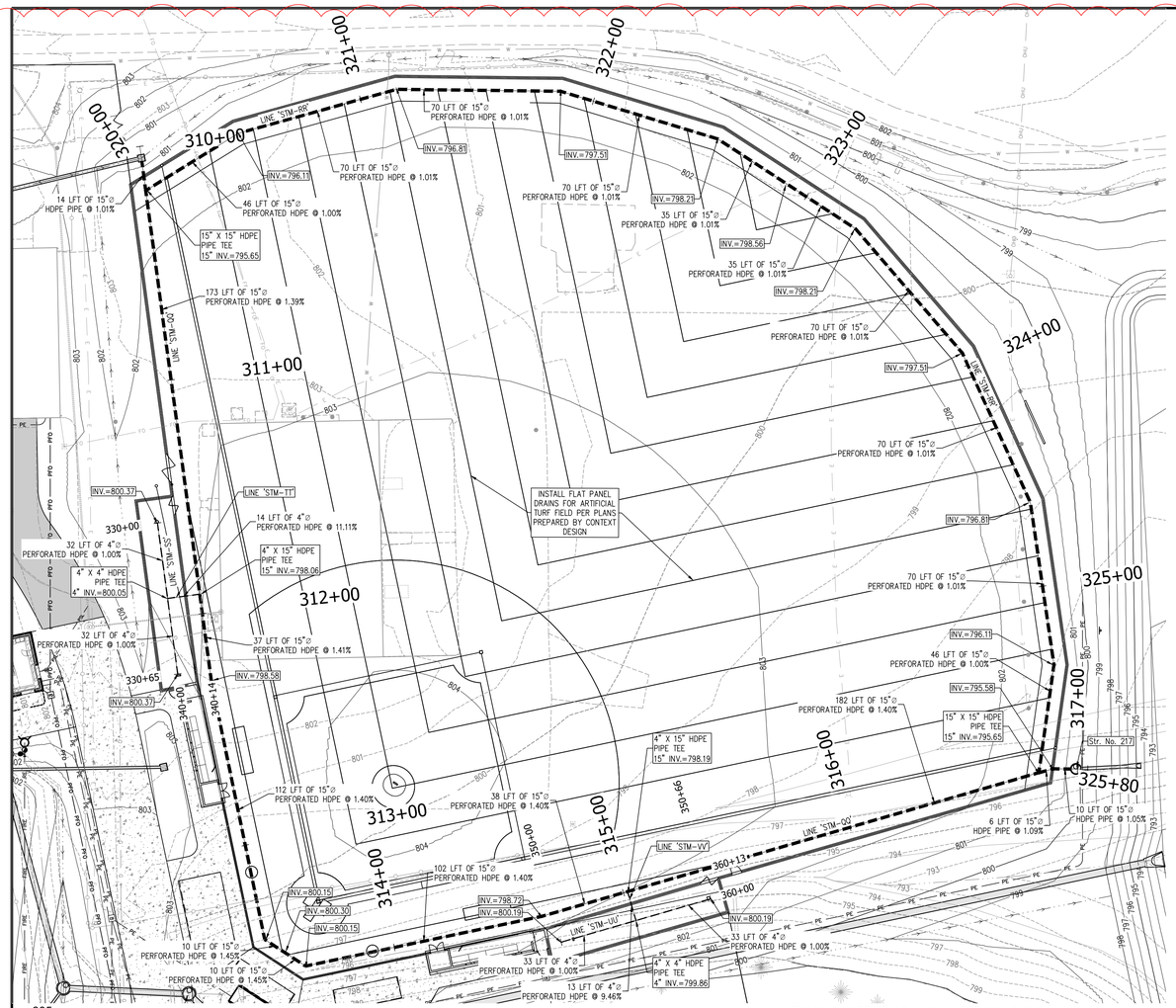
WHITELAND HIGH SCHOOL PHASE 5

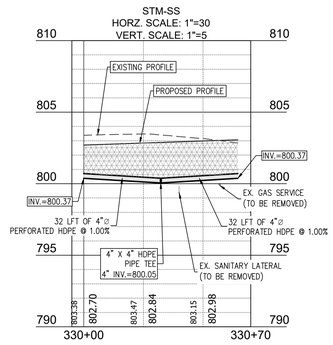
JOB No.	.	CHECKED	TEN	CJI
DRAWN	KLF			APPR.
DESIGNED	DMS			
DATE	FEBRUARY 2, 2026			

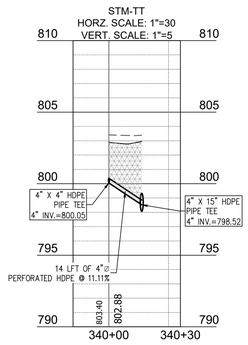
DEREK M. SNYDER REGISTERED PROFESSIONAL ENGINEER NO. 11200008 STATE OF INDIANA

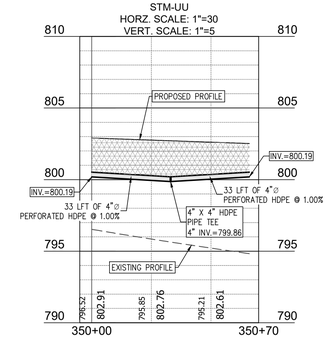
NO.	DATE	REVISIONS	BY	APPR.
1	02.09.26	REVISIONS FOR 100% CD SUBMITTAL	DMS	CJI
2	03.06.26	REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1	DMS	CJI
3				
4				
5				
6				
7				
8				
9				

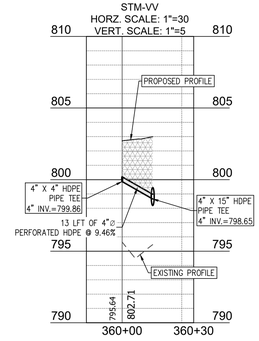
SHEET 707











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- FIBER OPTIC HANDHOLE
- SIGN

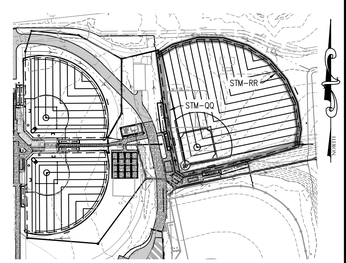
30 0 30 60

SCALE: 1" = 30'

DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTOR DENSITY IN 6" MAX LIFTS

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

INDIANA 811 Know what's below. Call before you dig.



KEYMAP

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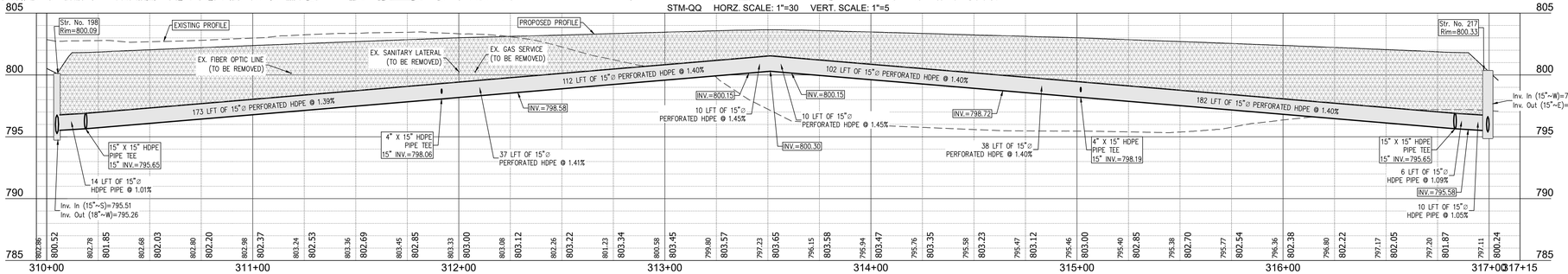
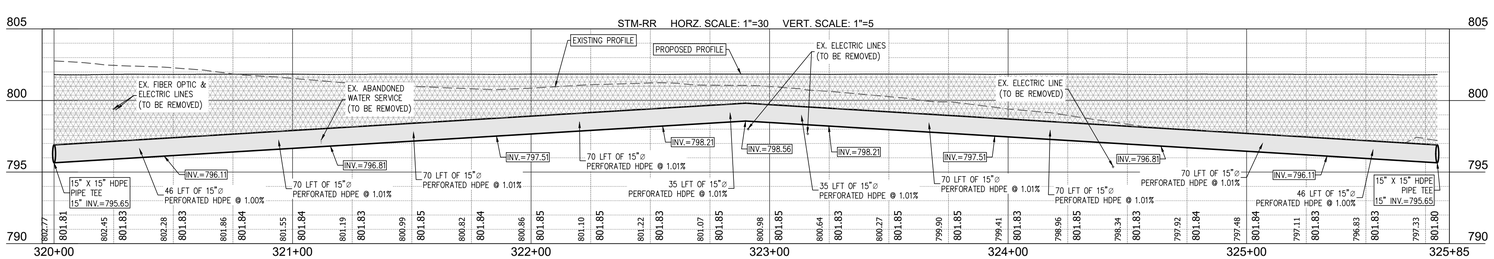




CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 S. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

STORM PLAN AND PROFILES

WHITELAND HIGH SCHOOL PHASE 5

JOB No.	.	DRAWN	KLF	CHECKED	TEN	APPR.	GJI
DATE	FEBRUARY 2, 2026	DESIGNED	DMS	DRAWN	DMS	CHK'D	GJI

SHEET 708

DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

Derek M. Snyder

NO.	DATE	BY
1	02.09.26	DMS
2	03.06.26	DMS

REVISIONS
REVISIONS FOR 100% CD SUBMITTAL
REVISIONS PER TAC COMMENTS RECEIVED 2/24/26 & ADDENDUM NO. 1

SHEET 708

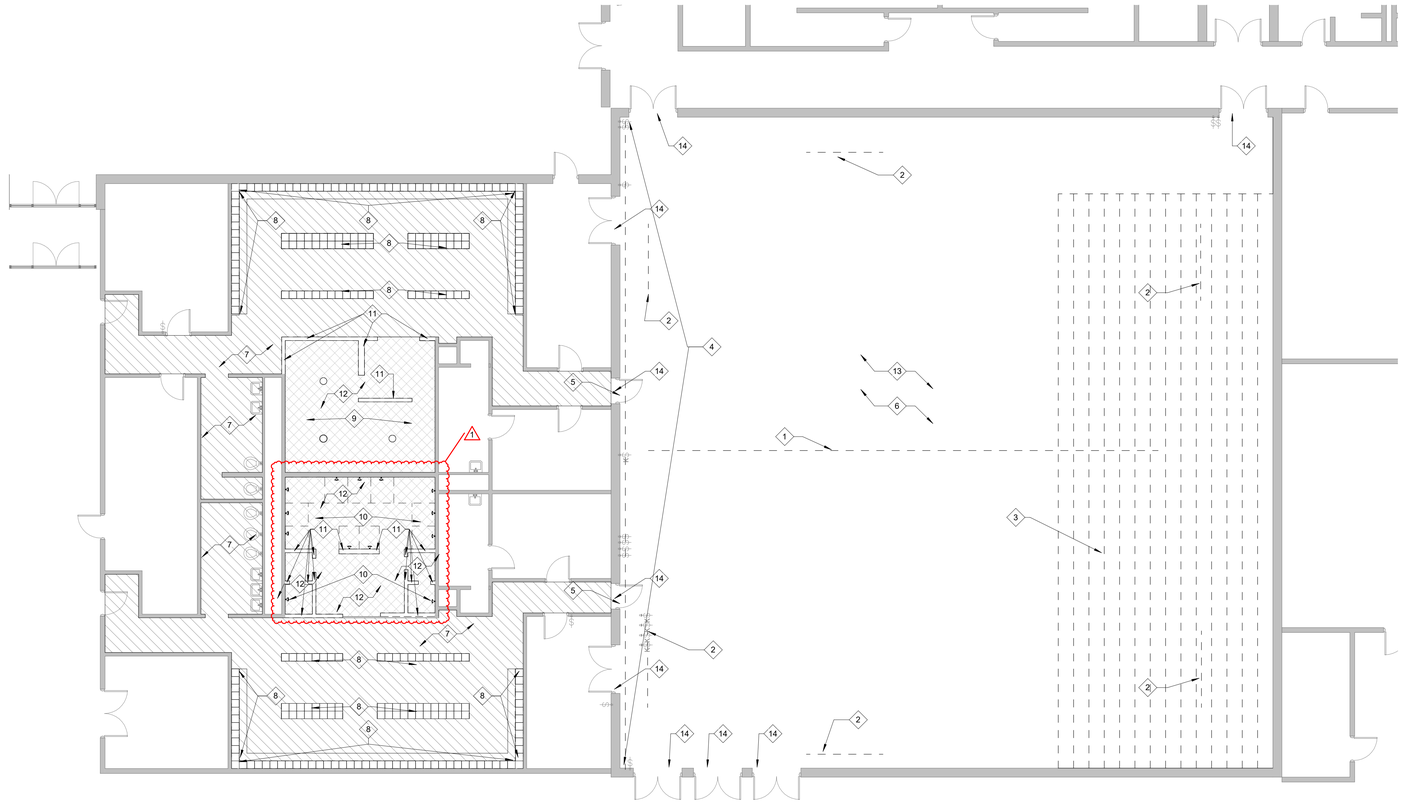
DIRECTORY PATH : R:\Active\Lance+Parke\Whiteland High School\Design\CAD\Plans\PHASE 5
FILENAME : 708 STORM PP PH. 5.dwg
DATE/USER : 3/6/2026 10:17 AM / Dsnyder

GENERAL NOTES

1. CLEAN, PATCH AND PREP SURFCAES FOR NEW WORK AFTER DEMOLITION
2. COORDINATE DEMOLITION WITH NEW WORK
3. COORDINATE DEMOLITION WITH NEW/DEMO WORK ON STRUCTURAL, TECHNOLOGY, MEP AND OTHER SHEETS

PLAN NOTES - DEMOLITION

1	DEMOLISH EXISTING DIVIDER CURTAIN. CLEAN, PATCH, PREP SURFACES FOR NEW WORK. DEMO POWER TO THE NEAREST ELECTICAL BOX
2	DEMOLISH EXISTING BASKETBALL GOAL. CLEAN, PATCH, PREP SURFACES FOR NEW WORK. DEMO POWER TO THE NEAREST ELECTICAL BOX
3	DEMOLISH EXISTING BLEACHERS. CLEAN, PATCH, PREP SURFACES FOR NEW WORK. PATCH EXISTING CMU WALL. DEMO POWER TO THE NEAREST ELECTICAL BOX
4	DEMOLISH EXISTING WALL PADDING AND ATTACHMENT METHODS. CLEAN, PATCH, PREP SURFACES FOR NEW WORK
5	DEMOLISH DOOR. PRESERVE THE FRAME. CLEAN, PATCH, PREP SURFACES FOR NEW WORK
6	DEMOLISH ANY EXISTING SCOREBOARDS, BANNERS. PRESERVE EXISTING WOOD FLOORING. PATCH EXISTING WOOD FLOORING AS NEEDED TO RECEIVE NEW FINISHES. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK.
7	DEMOLISH EXISTING EPOXY FLOORING AND WALL BASE. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
8	DEMOLISH EXISTING METAL LOCKERS. DEMO EXISTING CONCRETE BASE. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
9	DEMOLISH EXISTING SHOWERS AND OTHER PLUMBING FIXTURES. PATCH BLOCK WALLS AFTER FIXTURE DEMOLITION. DEMO EXISTING TILE FLOORING. LEVEL THE FLOORS WITH A TOPPING SLAB. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
10	DEMOLISH EXISTING SHOWERS, SHOWER PARTITIONS AND OTHER PLUMBING FIXTURES. PATCH BLOCK WALLS AFTER FIXTURE DEMOLITION. DEMO EXISTING TILE FLOORING. LEVEL THE FLOORS WITH A TOPPING SLAB. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
11	DEMOLISH EXISTING WALL COMPLETE AS SHOWN.
12	DEMOLISH EXISTING TILE FLOOR AND MORTAR BED. CLEAN, PATCH PREP SURFACES FOR NEW WORK
13	DEMOLISH EXISTING VENTED COVE BASE. CLEAN, PATCH PREP SURFACES FOR NEW WORK
14	DEMOLISH EXISTING ALUMINUM FLOOR TRANSITION . CLEAN, PATCH PREP SURFACES FOR NEW WORK



1 DEMOLITION PLAN - UNIT FIRST FLOOR
SCALE: 1/8" = 1'-0" REF. 2 / A101NA

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL PHASE 5
300 E MAIN ST, WHITELAND, IN 46184

NOT FOR CONSTRUCTION

REVISIONS:

#	Date	Desc.
1	03-06-2026	ADD1

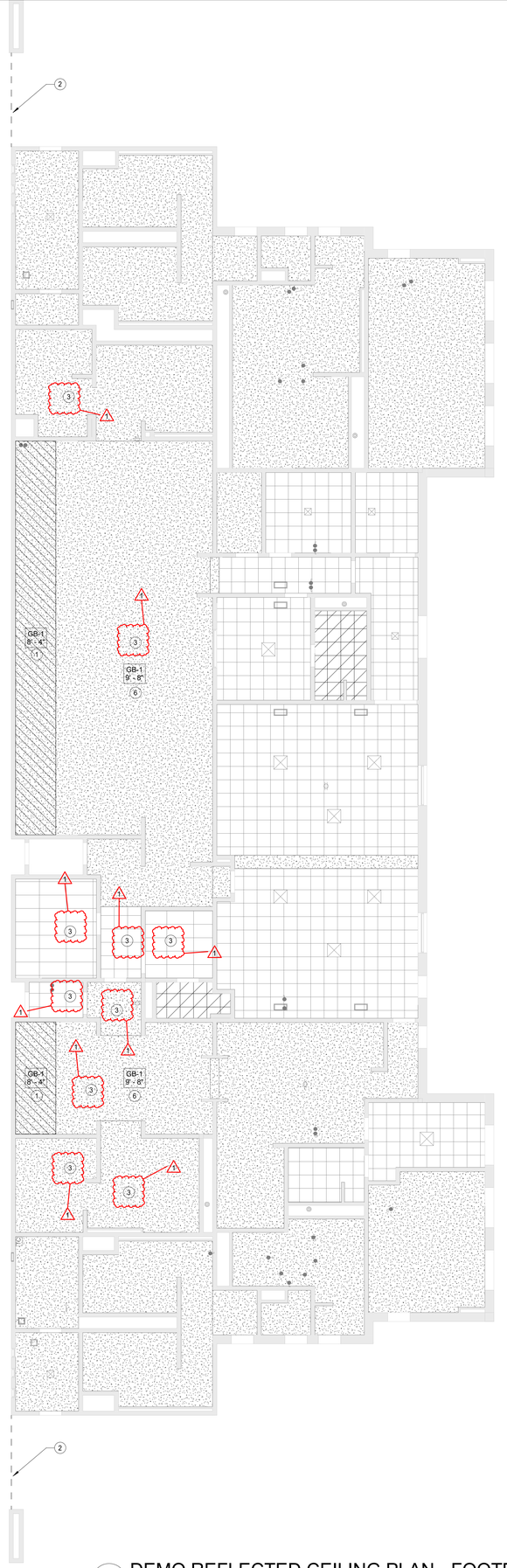
100% CONCSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02-09-2026
DRAWN BY: Author

DEMOLITION PLAN - NORTH ANNEX

AD101NA

PLOT DATE/TIME: 3/6/2026 12:03:14 PM



GENERAL NOTES

1. COORDINATE DEMOLITION WORK WITH NEW WORK.
2. CLEAN AND PREP SURFACES FOR NEW WORK.
3. COORDINATE DEMOLITION WORK WITH MEP WORK.
4. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL OF ANY DEMOLISHED DOORS, CASEWORK, MARKERBOARDS, CHALKBOARDS, ETC.

1. OUTSIDE OF SCOPE OF WORK

PLAN NOTES - DEMO RCP

1 DEMO GYPSUM BULKHEAD AND SOFFIT AS SHOWN TO ACCOMMODATE MECHANICAL WORK. CLEAN, PATCH AND PREP FOR BULKEHAD RE-INSTALLATION
2 DEMO THE EXISITNG GATEWAY SIGNAGE
3 COORDINATE DEMOLITION WORK WITH MECHANICAL WORK. DEMO, CLEAN AND PATCH EXISTING CEILING AS NEEDED
6 PRESERVE EXISTING CEILING

1 DEMO REFLECTED CEILING PLAN - FOOTBALL
SCALE: 1/8" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST ST
INDIANAPOLIS, IN 46204

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL PHASE 5
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS:

#	Date	Desc.
1	03-06-202 6	ADD1

100% CONSTRUCTION DRAWINGS

PROJECT: #22130
DATE: 02-09-2026
DRAWN BY: Author

DEMOLITION REFLECTED CEILING PLAN - FIRST FLOOR - UNIT A

AD121FL

N
TRUE NORTH

PLOT DATE/TIME: 3/9/2026 12:22:42 PM

1 ELECTRICAL DEMOLITION PLAN - FOOTBALL LOCKER ROOM

SCALE: 1/8" = 1'-0"

SCALE: 1/16" = 1'-0" | SCALE: 3/32" = 1'-0" | SCALE: 1/8" = 1'-0" | SCALE: 1/4" = 1'-0" | SCALE: 1/2" = 1'-0" | SCALE: 3/4" = 1'-0" | SCALE: 1" = 1'-0"

IF THE WHEEL PRINTED BELOW IS NOT SHOWN IN COLOR, THIS SET OF PRINTS IS NOT REPRESENTING ALL LINE TYPES CORRECTLY. CONTACT PRIMARY ENGINEERING FOR DIRECTIONS ON HOW TO OBTAIN A FULL COLOR SET OF PRINTS

PLOT DATE/TIME:8/4/2026 8:51:02 AM

(X) DEMOLITION PLAN NOTES

1. DISCONNECT AND REMOVE LIGHT FIXTURE(S). EXISTING BRANCH CIRCUITRY SHALL REMAIN AND BE EXTENDED, AS REQUIRED, TO CONNECT NEW LIGHT FIXTURE(S) AND LIGHTING CONTROLS. TYPICAL OF ALL LIGHT FIXTURES IN THIS AREA UNLESS NOTED OTHERWISE.
2. DISCONNECT AND REMOVE WALL SWITCH(ES). DEVICE BOX, CONDUIT, AND CONDUCTORS SHALL REMAIN TO BE UTILIZED FOR NEW LIGHTING CONTROL DEVICE. PROVIDE AND INSTALL BLANK WALL PLATE(S) FOR ANY UNUSED SWITCH(ES) IN THIS LOCATION. COORDINATE WITH NEW LIGHTING PLANS
3. DISCONNECT AND REMOVE WALL SWITCH AND ASSOCIATED CONDUCTORS BACK TO SOURCE. ABANDON IN PLACE DEVICE BOX AND CONDUIT IN WALL. PROVIDE AND INSTALL BLANK WALL PLATE(S) ON ABANDONED DEVICE BOX.
4. DISCONNECT AND REMOVE EXIT SIGN / EMERGENCY LIGHT. CONDUCTORS, CONDUIT, AND ASSOCIATED JUNCTION BOXES TO REMAIN. EXTEND EXISTING CONDUCTORS AS REQUIRED TO CONNECT NEW EXIT SIGN / EMERGENCY LIGHT
5. DISCONNECT AND REMOVE WALL MOUNTED LIGHT FIXTURE. EXISTING BRANCH CIRCUITRY SHALL REMAIN AND BE EXTENDED, AS REQUIRED, TO CONNECT NEW LIGHT FIXTURE
6. REMOVE RECESSED DOWNLIGHT IN EXISTING CANOPY, AS REQUIRED, TO INSTALL NEW DOWNLIGHTS. EXISTING BRANCH CIRCUITRY SHALL REMAIN AND BE EXTENDED, AS REQUIRED, TO CONNECT NEW LIGHT FIXTURE.
7. ALTERNATE BID #3: REMOVE FIRE ALARM DEVICE AND CABLING BACK TO SOURCE. DEVICE BOX AND CONDUIT SHALL REMAIN TO BE UTILIZED FOR NEW FIRE ALARM DEVICE.
8. ALTERNATE BID #3: DISCONNECT FIRE ALARM CONTROL PANEL. EXISTING BRANCH CIRCUITRY SHALL REMAIN AND BE EXTENDED, AS REQUIRED, TO CONNECT TO NEW FIRE ALARM PANEL.
9. BASE BID: REMOVE FIRE ALARM DEVICE, CABLING TO REMAIN.

   ALTERNATE BID #3: REMOVE FIRE ALARM DEVICE AND CABLING BACK TO SOURCE. DEVICE BOX AND CONDUIT SHALL REMAIN TO BE UTILIZED FOR NEW FIRE ALARM DEVICE.

1

LANCER ASSOCIATES ARCHITECTURE
145 N. EAST ST.
INDIANAPOLIS, IN 46204

PRIMARY ENGINEERING INC
Fort Wayne
2828 Lake Ave.
Fort Wayne, Indiana 46805
260.424.0444 ph
info@primary-eng.com
Indianapolis
9785 Crosspoint Blvd., Suite 103
Indianapolis, Indiana 46256
317.324.1221 ph
www.primary-eng.com

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL PHASE 5
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS:

#	Date	Desc.
1	03/05/202 6	ADDENDUM #1

100% CONSTRUCTION DOCUMENTS

PROJECT:	#22130
DATE:	02/09/2026
DRAWN BY:	SBA

ELECTRICAL DEMOLITION - FOOTBALL LOCKER ROOM

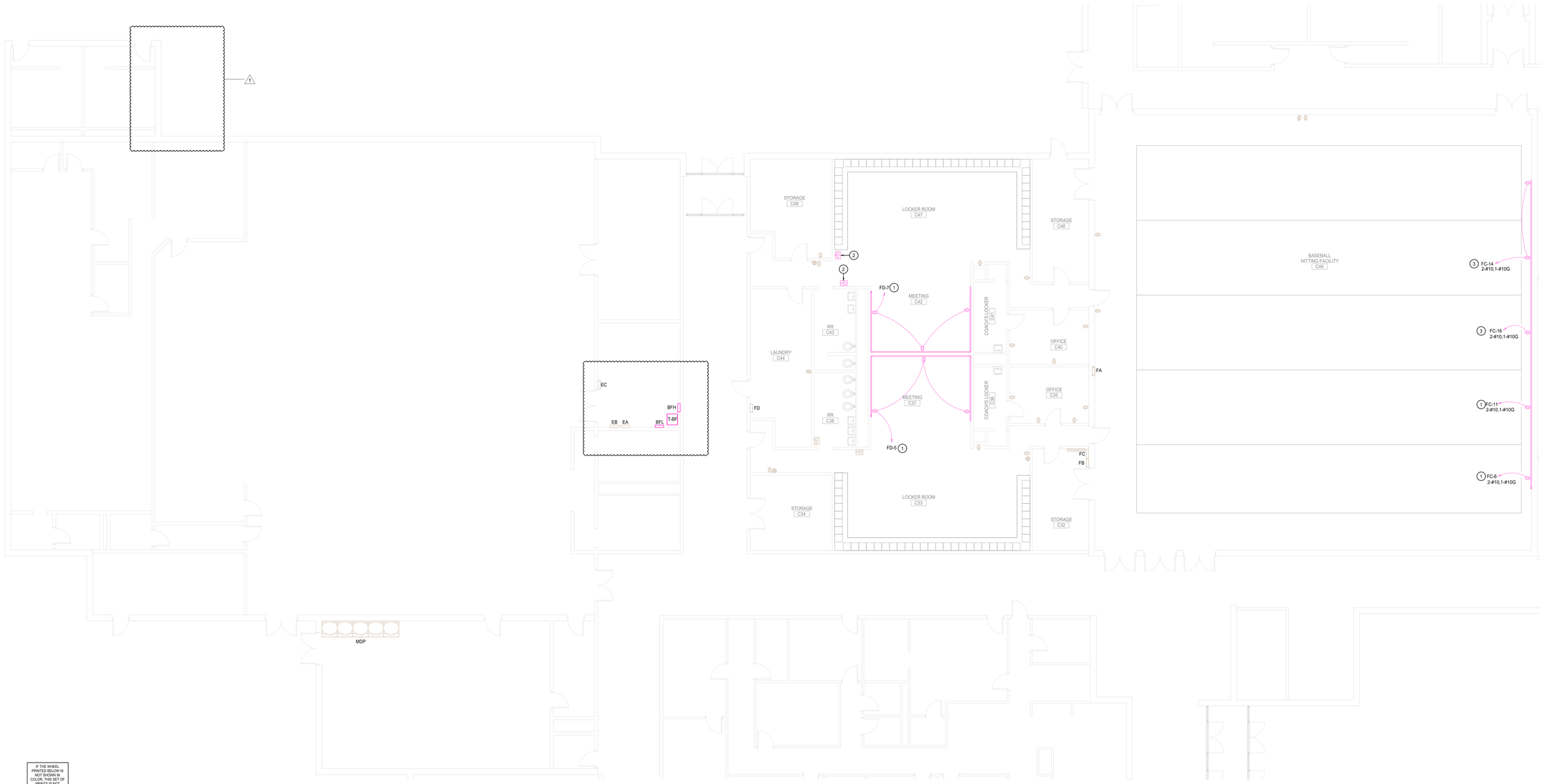
N
TRUE NORTH

E101FL

PRIMARY JOB # 24709

PLAN NOTES

1. CONNECT NEW BRANCH CIRCUIT TO EXISTING SPARE 20A/1P CIRCUIT BREAKER, AS INDICATED.
2. INSTALL SALVAGED HAND DRYER AND EXTEND EXISTING BRANCH CIRCUIT, AS REQUIRED, TO RECONNECT
3. CONTRACTOR SHALL REPLACE EXISTING CIRCUIT BREAKER IN PANEL, AS INDICATED, WITH NEW 20A/1P CIRCUIT BREAKER TO CONNECT NEW BRANCH CIRCUIT.



1 POWER PLAN - NORTH ANNEX BUILDING

SCALE: 1/8" = 1'-0"

SCALE: 1/16" = 1'-0" | SCALE: 3/32" = 1'-0" | SCALE: 1/8" = 1'-0" | SCALE: 1/4" = 1'-0" | SCALE: 1/2" = 1'-0" | SCALE: 3/4" = 1'-0" | SCALE: 1" = 1'-0"

IF THE WHEEL PRINTED BELOW IS NOT SHOWN IN COLOR, THIS SET OF PRINTS IS NOT REPRESENTING ALL LINE TYPES CORRECTLY. CONTACT PRIMARY ENGINEERING FOR DIRECTIONS ON HOW TO OBTAIN A FULL COLOR SET OF PRINTS

PLOT DATE/TIME: 3/3/2026 8:07:39 AM

LANCER ASSOCIATES ARCHITECTURE
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INDIANAPOLIS, IN 46204

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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL PHASE 5
300 E MAIN ST, WHITELAND, IN 46184

REGISTERED PROFESSIONAL ENGINEER STEVEN M. PRIMARY No. PE10302397 STATE OF INDIANA

REVISIONS:

#	Date	Desc.
1	03/05/2026	ADDENDUM #1

100% CONSTRUCTION DOCUMENTS

PROJECT:	#22130
DATE:	02/09/2026
DRAWN BY:	Author

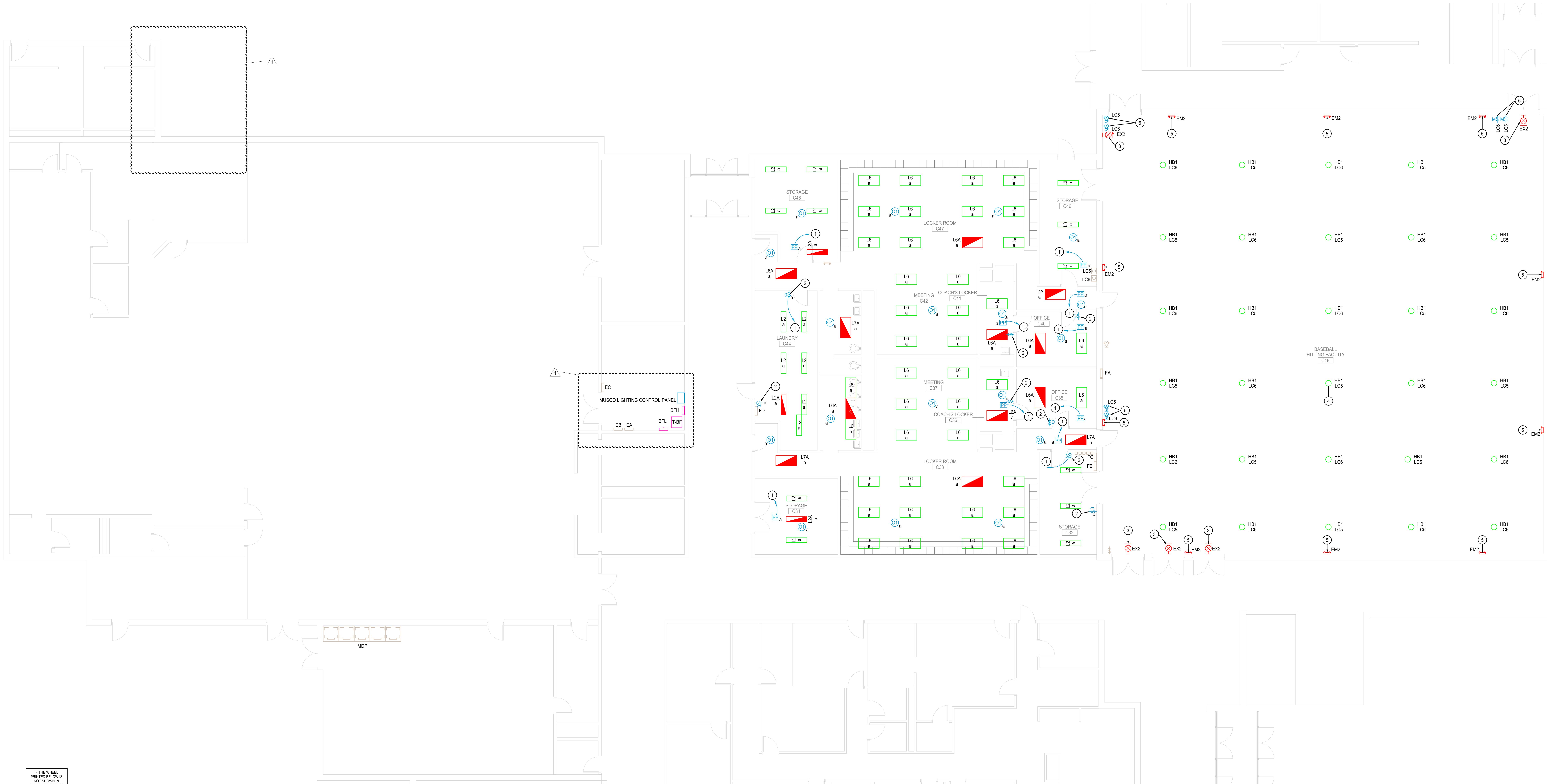
POWER PLAN - NORTH ANNEX BUILDING

E201NA

PRIMARY JOB # 24709

PLAN NOTES

1. EXTEND EXISTING BRANCH CIRCUIT AS REQUIRED TO CONNECT NEW LIGHTING AND LIGHTING CONTROL DEVICES IN THIS AREA.
2. PROVIDE AND INSTALL SWITCH IN EXISTING DEVICE BOX. EXTEND EXISTING BRANCH CIRCUIT, AS REQUIRED, TO CONNECT NEW SWITCH. PROVIDE AND INSTALL NEUTRAL CONDUCTOR (AND/OR GROUNDING CONDUCTOR), AS REQUIRED, TO ALLOW FOR THE INSTALLATION OF NEW SWITCH. PROVIDE BLANK INSERTS, AS REQUIRED, ON NEW WALL PLATE
3. EXTEND EXISTING BRANCH CIRCUIT AS REQUIRED TO CONNECT NEW EMERGENCY EXIT / LIGHTING IN THIS AREA, TYPICAL
4. EXTEND EXISTING BRANCH CIRCUIT, AS REQUIRED, TO CONNECT NEW FIXTURE TO EXISTING LIGHTING CONTACTOR, AS INDICATED. TYPICAL OF ALL FIXTURES IN THIS ROOM.
5. INTERCEPT EXISTING LIGHTING BRANCH CIRCUIT, SERVING THIS SPACE, AS REQUIRED TO CONNECT NEW EMERGENCY LIGHTS.
6. PROVIDE AND INSTALL MOMENTARY SWITCH IN EXISTING DEVICE BOX. EXTEND EXISTING CONTRACTOR CONTROL CIRCUIT, AS REQUIRED, TO OPERATE CONTACTOR AS INDICATED.



1 LIGHTING PLAN - NORTH ANNEX BUILDING
SCALE: 1/8" = 1'-0"

IF THE WHEEL PRINTED BELOW IS NOT SHOWN IN COLOR, THIS SET OF PRINTS IS NOT REPRESENTING ALL LINE TYPES CORRECTLY. CONTACT PRIMARY ENGINEERING FOR DIRECTIONS ON HOW TO OBTAIN A FULL COLOR SET OF PRINTS

SCALE: 1/16" = 1'-0" SCALE: 3/32" = 1'-0" SCALE: 1/8" = 1'-0" SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0"

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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL PHASE 5
300 E MAIN ST, WHITELAND, IN 46184

No. PE10302397 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	03/05/2026	ADDENDUM #1

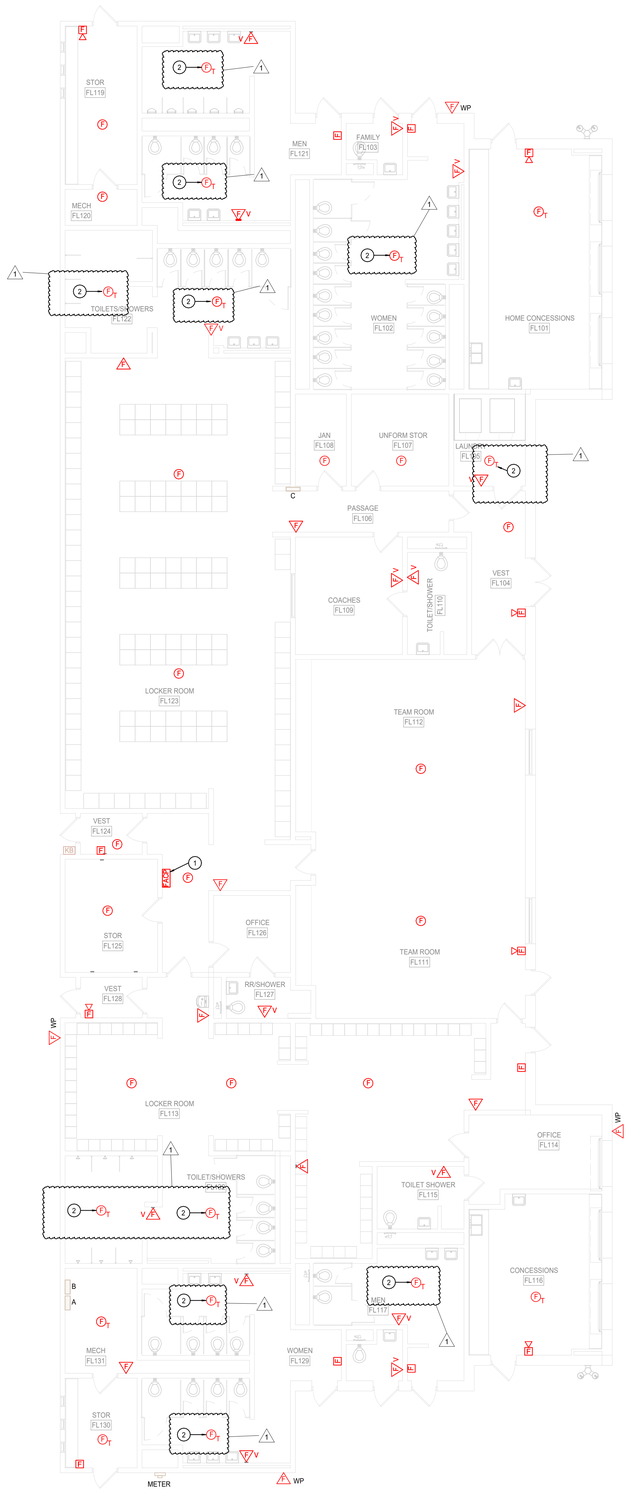
100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02/09/2026
DRAWN BY: Author

LIGHTING PLAN - NORTH ANNEX BUILDING

E301NA

PRIMARY JOB # 24709



1 FIRE ALARM PLAN - FOOTBALL LOCKER ROOM
SCALE: 1/8" = 1'-0"

PLAN NOTES

1. ALTERNATE BID #3: EXTEND EXISTING BRANCH CIRCUIT AND ANALOG PHONE LINES, AS REQUIRED, TO CONNECT NEW FIRE ALARM CONTROL PANEL (FACP).
2. BASE BID: INSTALL NEW DEVICE AND EXTEND EXISTING CABLE , AS REQUIRED TO CONNECT TO EXISTING SYSTEM (EXISTING SYSTEM IS SIMPLEX 4007)

   ALTERBATE BID #3: INSTALL NEW FIRE ALARM DEVICE.

LANCER ASSOCIATES ARCHITECTURE
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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL PHASE 5
300 E MAIN ST, WHITELAND, IN 46184

REGISTERED ARCHITECT
No. PE10302357
STATE OF INDIANA
MARK S. LANCER

REVISIONS:

#	Date	Desc.
1	03/05/202	ADDENDUM #1
6		

100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02/09/2026
DRAWN BY: SBA

FIRE ALARM PLAN - FOOTBALL LOCKER ROOM

E401FL

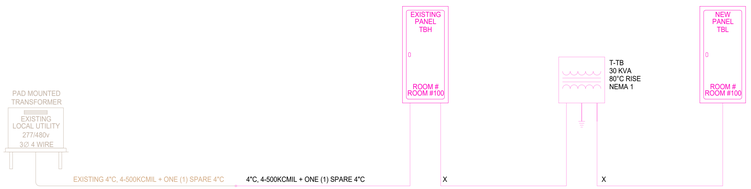
PRIMARY JOB # 24709

N
TRUE NORTH

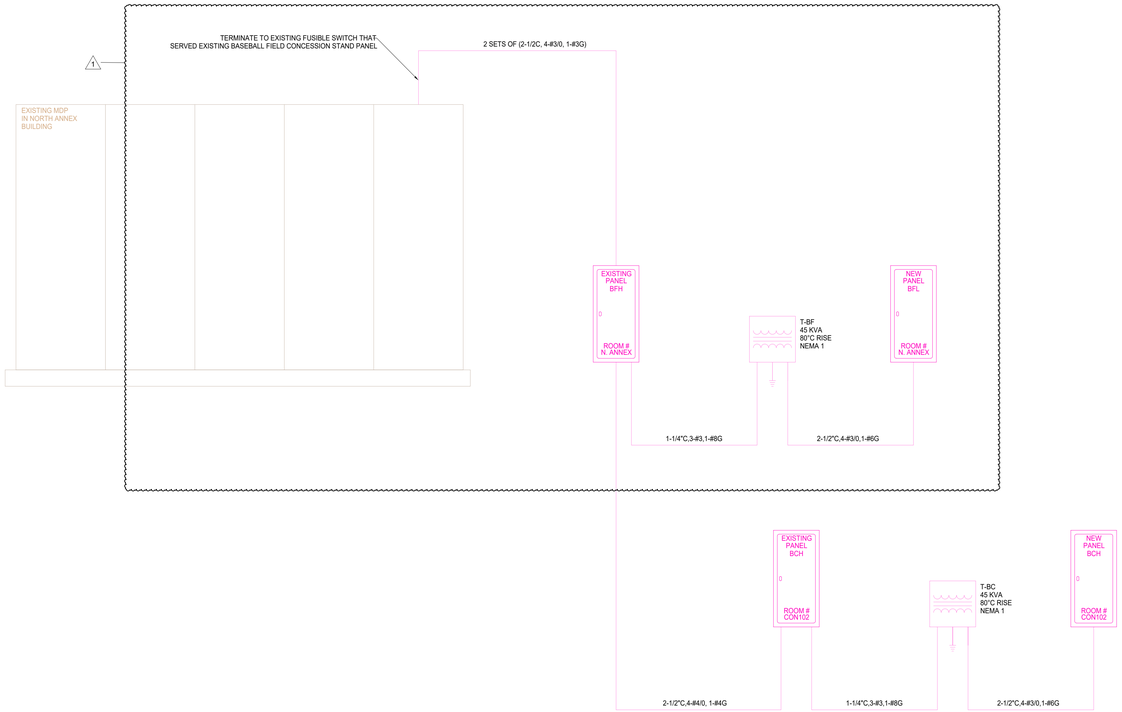
IF THE WHEEL PRINTED BELOW IS NOT SHOWN IN FULL COLOR, ONE OF YOUR PRINTS IS NOT REPRESENTING ALL LINE TYPES CORRECTLY. CONTACT PRIMARY ENGINEERING FOR DIRECTIONS ON HOW TO OBTAIN A FULL COLOR SET OF PRINTS

PLOT DATE/TIME: 3/4/2026 9:11:04 AM

0 16 32 48 SCALE: 1/16" = 1'-0"
0 8 16 24 32 SCALE: 3/32" = 1'-0"
0 8 16 24 SCALE: 1/8" = 1'-0"
0 4 8 12 SCALE: 1/4" = 1'-0"
0 2 4 6 SCALE: 1/2" = 1'-0"
0 2 4 SCALE: 3/4" = 1'-0"
0 1 2 3 SCALE: 1" = 1'-0"



1 SERVICE ENTRANCE AND DISTRIBUTION DIAGRAM - TENNIS FACILITY
NOT TO SCALE



2 DISTRIBUTION DIAGRAM - BASEBALL FIELD & BASEBALL CONCESSIONS
NOT TO SCALE

LANCER ASSOCIATES ARCHITECTURE
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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL PHASE 5
300 E MAIN ST, WHITELAND, IN 46184

REGISTERED ARCHITECT
STEVEN B. ANDERSON
No. PE10302397
STATE OF INDIANA

REVISIONS:

#	Date	Desc.
1	03/05/2026	ADDENDUM #1

100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02/09/2026
DRAWN BY: SBA

SERVICE ENTRANCE AND DISTRIBUTION DIAGRAMS

E601

PRIMARY JOB # 24709

IF THE WHEEL PRINTED BELOW IS NOT SHOWN IN COLOR, THIS SET OF PRINTS IS NOT REPRESENTING ALL LINE TYPES CORRECTLY. CONTACT PRIMARY ENGINEERING FOR DIRECTIONS ON HOW TO OBTAIN A FULL COLOR SET OF PRINTS

PLOT DATE/TIME: 3/3/2026 8:59:59 AM

PANEL: TBH
MOUNTING TYPE: SURFACE
PANEL REMARKS:
EXISTING SIEMENS TYPE P1 PANEL BOARD WITH 150A/3P SUB-FEED CIRCUIT BREAKER.

MCB: 400 AMPERE
K.A.I.C.: 35
FED FROM: SEE RISER

VOLTAGE: 277/480
PHASE: 3
WIRE: 4+G

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1			2880					2	
				2880						
	3	30A/3P	POLES T1 & T4		2880		POLES T2 & T3	30A/3P	4	
					2880					
	5					2880			6	
						2880				
	7			2880					8	
				2526						
	9	30A/3P	POLES T5 & T8		2880		POLES T6 & T7	30A/3P	10	
					2526					
	11					2880			12	
						2526				
	13			2880					14	
				2880						
	15	30A/3P	POLES T9 & T12		2880		POLES T10 & T11	30A/3P	16	
					2880					
	17					2880			18	
						2880				
	19	20A/1P	LIGHTS	544					20	
				13000						
	21	20A/1P	LIGHTS		793		T-TBL	60A/3P	22	2
					13000					
	23	20A/1P	BUILDING LIGHTS			800			24	
						13000				
1	25	20A/1P		0					20A/1P	26	1
				0						
1	27	20A/1P			0				20A/1P	28	1
					0					
1	29	20A/1P				0			20A/1P	30	1
						0				
1	31	20A/1P		0					20A/1P	32	1
				0						
1	33	20A/1P			0				20A/1P	34	1
					0					
1	35	20A/1P				0			20A/1P	36	1
						0				
1	37	20A/1P		0					20A/1P	38	1
				0						
1	39	20A/1P			0				20A/1P	40	1
					0					
1	41	20A/1P				0			20A/1P	42	1
						0				
				30,470	30,719	30,726				

REMARKS
1. EXISTING SPARE 20A/1P BREAKER
2. REPLACE EXISTING SPARE 20A/1P CIRCUIT BREAKER WITH NEW 60A/3P CIRCUIT BREAKER.

PANEL: TBL
MOUNTING TYPE: SURFACE
PANEL REMARKS:
HINGED DOOR WITHIN HINGED COVER, COPPER BUS, 100% RATED NEUTRAL BUS

MCB: 125 AMPERE
K.A.I.C.: 22
FED FROM: SEE RISER

VOLTAGE: 120/208
PHASE: 3
WIRE: 4+G

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1	20A/1P	REC - T101,T102, T103, EXTERIOR	720			REC - T105, EXTERIOR	20A/1P	2	
				540						
	3	20A/1P	REC - T106.1		720		REC - T106.2	20A/1P	4	
					720					
	5	20A/1P	REC - T104, EXTERIOR			720	REC - T108	20A/1P	6	
						540				
	7	20A/1P	REC - T107	1500			TEMP CONTROL PNL - T104	20A/1P	8	
				1500						
	9	20A/1P	REC - T108		720		REC - T108	20A/1P	10	
					1500					
3	11	20A/1P	FIRE ALARM CONTROL PANEL			1500	GWH-1	20A/1P	12	
						480				
	13	20A/1P	BB-1	1000			BB-2	20A/1P	14	
				1000						
	15	20A/3P	EF-1		1440		EF-2	20A/1P	16	
					40					
	17					1440	MUSCO LIGTHING CONTROL PANEL	20A/1P	18	
						1500				
	19			0			TEMP CONTROL PNL - T104	20A/1P	20	
				1500						
	21	20A/1P	EF-3		40		AV SOUND RACK - T104	20A/1P	22	
					1500					
	23	25A/2P	MAU-1			1560	AV SOUND RACK - T104	20A/1P	24	
						1500				
	25			1560			AV SOUND RACK - T104	20A/1P	26	
				1500						
1	27	20A/1P			0				20A/1P	28	1
					0					
1	29	20A/1P				0			20A/1P	30	1
						0				
1	31	20A/1P		0					20A/1P	32	1
				0						
1	33	20A/1P			0				20A/1P	34	1
					0					
1	35	20A/1P				0			20A/1P	36	1
						0				
1	37	20A/1P		0					20A/1P	38	1
				0						
1	39	20A/1P			0				20A/1P	40	1
					0					
1	41	20A/1P				0			20A/1P	42	1
						0				
				10,820	6,680	9,240				

REMARKS
1. PROVIDE AND INSTALL SPARE 20A/1P BREAKER
2. CIRCUIT BREAKER TO BE GFCI TYPE.
3. PROVIDE AND INSTALL CIRCUIT BREAKER RED LOCKOUT WITH "FA" TAG EQUAL TO SPACE AGE ELECTRONICS #ELOCK-FA

PANEL: BCH
MOUNTING TYPE: SURFACE
PANEL REMARKS:
HINGED DOOR WITHIN HINGED COVER, COPPER BUS, 100% RATED NEUTRAL BUS

MCB: 150 AMPERE
K.A.I.C.: 18
FED FROM: SEE RISER

VOLTAGE: 277/480
PHASE: 3
WIRE: 4+G

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1	20A/1P	INTERIOR LIGHTS	555			EXTERIOR LIGHTS	20A/1P	2	
				800						
	3	20A/1P			0			20A/1P	4	
					0					
	5	20A/1P				0		20A/1P	6	
						0				
	7	20A/1P		0				20A/1P	8	
				0						
	9	20A/1P			0			20A/1P	10	
					0					
	11	20A/1P				0		20A/1P	12	
						0				
	13	20A/1P		0				20A/1P	14	
				0						
	15	20A/1P			0			20A/1P	16	
					0					
	17	20A/1P				0		20A/1P	18	
						0				
	19	20A/1P		0				20A/1P	20	1
				0						
1	21	20A/1P			0			20A/1P	22	1
					0					
1	23	20A/1P				0		20A/1P	24	1
						0				
1	25	20A/1P		0				20A/1P	26	1
				0						
1	27	20A/1P			0			20A/1P	28	1
					0					
1	29	20A/1P				0		20A/1P	30	1
						0				
1	31	20A/1P		0				20A/1P	32	1
				0						
1	33	20A/1P			0			20A/1P	34	1
					0					
1	35	20A/1P				0		20A/1P	36	1
						0				
	37			16205					20A/1P	38	1
				0						
	39	90A/3P	T-BC		16205				20A/1P	40	1
					0					
	41					16205			20A/1P	42	1
						0				
				17,560	16,205	16,205				

REMARKS
1. PROVIDE AND INSTALL SPARE 20A/1P BREAKER
2. CIRCUIT BREAKER TO BE GFCI TYPE.
3. PROVIDE AND INSTALL CIRCUIT BREAKER RED LOCKOUT WITH "FA" TAG EQUAL TO SPACE AGE ELECTRONICS #ELOCK-FA

PANEL: BCL
MOUNTING TYPE: SURFACE
PANEL REMARKS:
HINGED DOOR WITHIN HINGED COVER, COPPER BUS, 100% RATED NEUTRAL BUS

MCB: 20 AMPERE
K.A.I.C.: 22
FED FROM: SEE RISER

VOLTAGE: 120/208
PHASE: 3
WIRE: 4+G

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1	20A/1P	REC. - CON103, CON104, CON105	540			REC. - CON102	20A/1P	2	
				540						
	3	20A/1P	EXTERIOR RECEPTACLES		540		REC. - MICROWAVE	20A/1P	4	
					1200					
	5	20A/1P	REC. - CHIP WARMER			1500	REC. - MICROWAVE	20A/1P	6	
						1200				
	7	20A/1P	REC. - CON101	360			REC. - ICE MAKER	20A/1P	8	
				1000						
	9	20A/1P	REC. - CON101		1000		REC. - CON101	20A/1P	10	
					1000					
	11	20A/1P	REC. - CON101			360	REC. - CON101	20A/1P	12	
						360				
	13	20A/1P	REC. - MICROWAVE	1200			REC. - REFRIGERATOR	20A/1P	14	
				1000						
	15	20A/1P	REC. - MICROWAVE		1200		REC. - CON101	20A/1P	16	
					360					
	17	20A/1P	REC. - CON101			360	REC. - MICROWAVE	20A/1P	18	
						1200				
	19	20A/1P	REC. - CON101	360			REC. - CON101	20A/1P	20	
				360						
	21	20A/1P	REC. - REFRIGERATOR		1000			20A/1P	22	1
					0					
	23	20A/1P	REC. - CON101			564		20A/1P	24	1
						0				
1	25	20A/1P		0				20A/1P	26	1
				0						
1	27	20A/1P			0			20A/1P	28	1
					0					
1	29	20A/1P				0		20A/1P	30	1
						0				
1	31	20A/1P		0				20A/1P	32	1
				0						
	33	20A/1P	FIRST BASE DUGOUT - LIGTS & REC		540			20A/1P	34	1
					0					
	35	20A/1P	FIRST BASE DUGOUT - PITCHING...			800		20A/1P	36	1
						0				
	37	20A/1P	THIRD BASE DUGOUT - LIGTS & REC	540				20A/1P	38	1
				0						
	39	20A/1P	THIRD BASE DUGOUT - PITCHING...		800			20A/1P	40	1
					0					
	41	20A/1P	BASEBALL CAGE REC			800		20A/1P	42	1
						0				
	43	20A/1P	BASEBALL CAGE REC	800					44	
				7680						
	45	20A/1P	BASEBALL CAGE REC		800		EXISTING STORAGE BLDG	80A/3P	46	
					7680					
	47	20A/1P	BASEBALL CAGE REC			800			48	
						7680				
	49	20A/2P	CUH-1	1560			BASEBALL PRESSBOX	100A/2P	50	
				8320						
	51				1560				52	
					8320					
	53	20A/2P	CUH-2			1560	CUH-3	20A/2P	54	
						1560				
	55			1560					56	
				1560						
	57	20A/1P	CUH-4		1800		CUH-5	20A/1P	58	
					1800					
	59	20A/1P	EF-1			1656	GWH-1	20A/1P	60	
						480				
				27,380	29,600	20,880				

REMARKS
1. PROVIDE AND INSTALL SPARE 20A/1P BREAKER
2. CIRCUIT BREAKER TO BE GFCI TYPE.
3. PROVIDE AND INSTALL CIRCUIT BREAKER RED LOCKOUT WITH "FA" TAG EQUAL TO SPACE AGE ELECTRONICS #ELOCK-FA

1

PANEL: BFH
MOUNTING TYPE: SURFACE
PANEL REMARKS:
HINGED DOOR WITHIN HINGED COVER, COPPER BUS, 100% RATED NEUTRAL BUS, NEMA 3R ENCLOSURE

MCB: 400 AMPERE
K.A.I.C.: 18
FED FROM: SEE RISER

VOLTAGE: 277/480
PHASE: 3
WIRE: 4+G

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1			2701					2	
				2701						
	3	30A/3P	POLE A1		2701		POLE A2	30A/3P	4	
					2701					
	5					2701			6	
						2701				
	7			4399					8	
				4884						
	9	30A/3P	POLE B1		4399		POLE B2	30A/3P	10	
					4884					
	11					4399			12	
						4884				
	13			3875					14	
				3875						
	15	30A/3P	POLE C1		3875		POLE C2	30A/3P	16	
					3785					
	17					3875			18	
						3785				
	19			16205					20	
				19500						
	21	150A/3P	PANEL BCH		16205		T-BF	90A/3P	22	
					19500					
	23					16205			24	
						19500				
1	25	20A/1P		0					20A/1P	26	1
				0						
1	27	20A/1P			0				20A/1P	28	1
					0					
1	29	20A/1P				0			20A/1P	30	1
						0				
				58,139	58,050	58,050				

REMARKS
1. PROVIDE AND INSTALL SPARE 20A/1P BREAKER
2. CIRCUIT BREAKER TO BE GFCI TYPE.
3. PROVIDE AND INSTALL CIRCUIT BREAKER RED LOCKOUT WITH "FA" TAG EQUAL TO SPACE AGE ELECTRONICS #ELOCK-FA

1

PANEL: BFL
MOUNTING TYPE: SURFACE
PANEL REMARKS:
HINGED DOOR WITHIN HINGED COVER, COPPER BUS, 100% RATED NEUTRAL NEMA 3R ENCLOSURE

MCB: 200 AMPERE
K.A.I.C.: 22
FED FROM: SEE RISER

VOLTAGE: 120/208
PHASE: 3
WIRE: 4+G

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1			8320					20A/1P	2	1
				0						
	3	100A/2P	BASEBALL PRESSBOX		8320				20A/1P	4	1
					0					
1	5	20A/1P				0			20A/1P	6	1
						0				
1	7	20A/1P		0					20A/1P	8	1
				0						
1	9	20A/1P			0				20A/1P	10	1
					0					
1	11	20A/1P				0			20A/1P	12	1
						0				
1	13	20A/1P		0					20A/1P	14	1
				0						
1	15	20A/1P			0				20A/1P	16	1
					0					
1	17	20A/1P				0			20A/1P	18	1
						0				
1	19	20A/1P		0					20A/1P	20	1
				0						
1	21	20A/1P			0				20A/1P	22	1
					0					
1	23	20A/1P				0			20A/1P	24	1
						0				
1	25	20A/1P		0					20A/1P	26	1
				0						
1	27	20A/1P			0				20A/1P	28	1
					0					
1	29	20A/1P				0			20A/1P	30	1
						0				
				8,320	8,320	0				

REMARKS
1. PROVIDE AND INSTALL SPARE 20A/1P BREAKER
2. CIRCUIT BREAKER TO BE GFCI TYPE.
3. PROVIDE AND INSTALL CIRCUIT BREAKER RED LOCKOUT WITH "FA" TAG EQUAL TO SPACE AGE ELECTRONICS #ELOCK-FA

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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL PHASE 5
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS:

#	Date	Desc.
1	03/05/2026	ADDENDUM #1

100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02/09/2026
DRAWN BY: SBA

SCHEDULES

E702

PRIMARY JOB # 24709

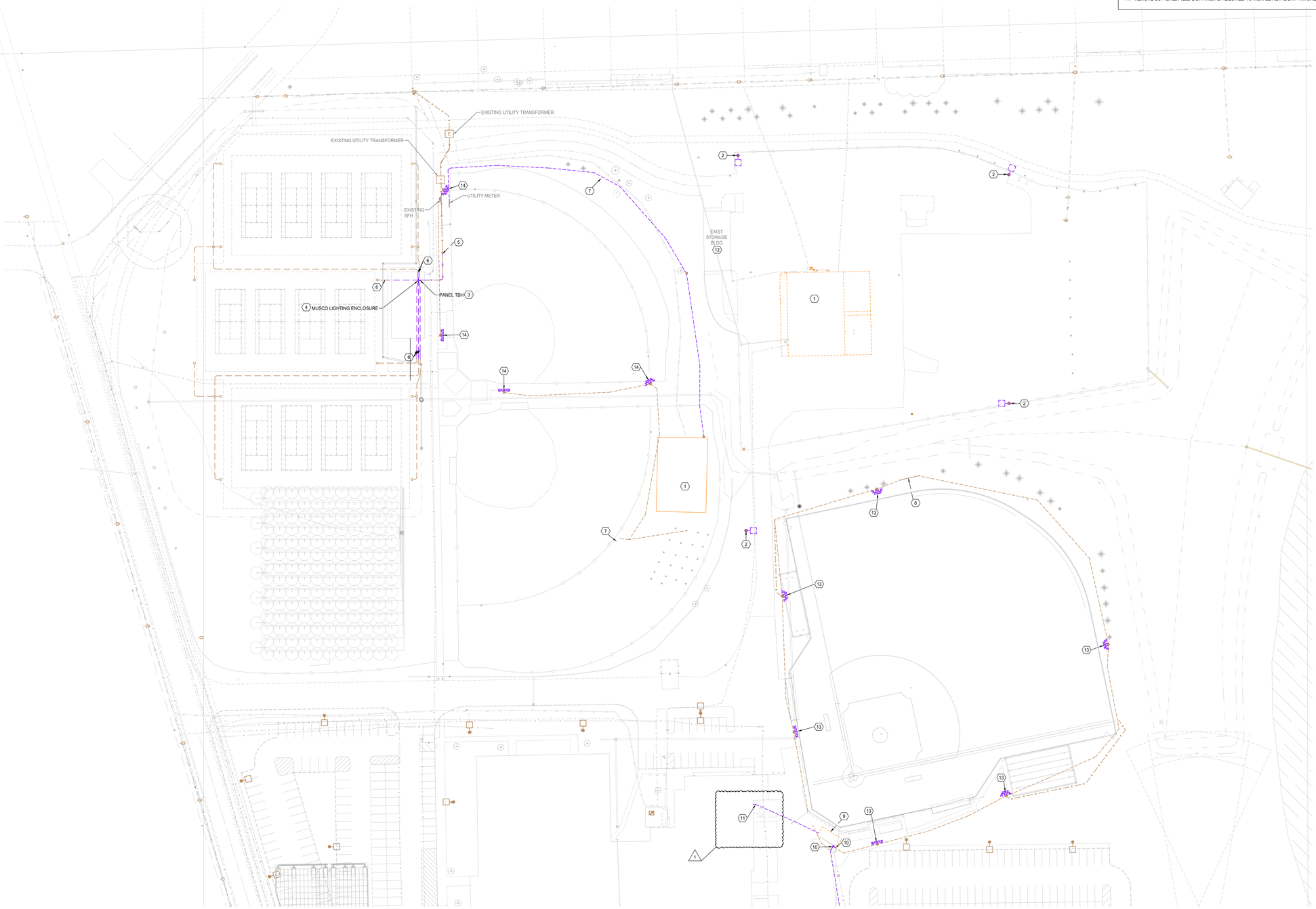
PLAN NOTES

X

1. DISCONNECT EXISTING BUILDING FOR UTILITY TRANSFORMER. COORDINATE REMOVAL OF PRIMARY AND UTILITY TRANSFORMER WITH LOCAL UTILITY.
2. REMOVE LIGHT, POLE, CONCRETE BASE, CONDUCTORS AND CONDUIT BACK TO SOURCE.
3. DISCONNECT FEEDERS AND BRANCH CIRCUITS FROM EXISTING PANEL. PANEL SHALL BE SALVAGED AND RELOCATED TO THE TENNIS BUILDING. REFER TO TENNIS BUILDING DRAWINGS FOR NEW LOCATION.
4. DISCONNECT BRANCH CIRCUITS FROM CONTROLLER. CONTROLLER SHALL BE SALVAGED AND RELOCATED TO THE TENNIS BUILDING. EXTEND EXISTING CONTROL CABLING FROM THIS LOCATION INTO THE BUILDING.
5. PULL FEEDERS SERVING PANEL TBH TO APPROXIMATE LOCATION TO BE JUNCTION AND EXTENDED TO NEW LOCATION OF PANEL TBH TO THE TENNIS BUILDING.
6. JUNCTION BRANCH CIRCUITS SERVING PANEL SPORTS FIELD LIGHTING TO APPROXIMATE LOCATION TO BE EXTENDED TO NEW LOCATION OF LIGHTING CONTROLLER TO THE TENNIS BUILDING.
7. DISCONNECT SCOREBAORD AND REMOVE ASSOCIATED DISCONNECT, CONDUCTORS AND CONDUIT BACK TO SOURCE.
8. DISCONNECT SCOREBAORD AND REMOVE ASSOCIATED CONDUCTORS AND CONDUIT BACK TO SOURCE. DISCONNECT SHALL REMAIN FOR CONNECTION TO NEW BRANCH CIRCUIT.
9. DISCONNECT FEEDER FROM PANELBOARD IN CONCESSION STAND TO ALLOW FOR DEMOLITION OF BUILDING.
10. DISCONNECT BRANCH CIRCUITS SERVING BASEBALL FIELD LIGHTING BACK TO APPROXIMATE LOCATION TO BE JUNCTION AND EXTENDED TO NEW BASEBALL FIELD LIGHTING CONTROL PANEL.

1

11. PULL FEEDERS SERVING CONCESSION STAND PANELBOARD BACK TO SOURCE INSIDE OF NORTH ANNEX BUILDING.
12. DISCONNECT FEEDERS SERVING PANELBOARD IN STORAGE BUILDING. REMOVE FEEDER AND CONDUIT BACK TO SOURCE. PANEL SHALL REMAIN TO BE RECONNECTED TO NEW FEEDERS.
13. REMOVE BASEBALL FIELD LIGHTING, AS REQUIRED TO INSTALL NEW LIGHT FIXTURES, BRANCH CIRCUIT SHALL REMAIN.
14. REMOVE SOFTBALL FIELD LIGHTING, AS REQUIRED TO INSTALL NEW LIGHT FIXTURES, BRANCH CIRCUIT SHALL REMAIN.



1 ELECTRICAL DEMOLITION SITE PLAN
SCALE: 1" = 50'-0"

SCALE: 1" = 10'-0" | SCALE: 1" = 20'-0" | SCALE: 1" = 30'-0" | SCALE: 1" = 40'-0" | SCALE: 1" = 50'-0" | SCALE: 1" = 60'-0" | SCALE: 1" = 70'-0"

IF THE WHEEL PRINTED BELOW IS NOT SHOWN IN COLOR, THIS SET OF PRINTS IS NOT REPRESENTING ALL LINE TYPES CORRECTLY. CONTACT PRIMARY ENGINEERING FOR DIRECTIONS ON HOW TO OBTAIN A FULL COLOR SET OF PRINTS

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REVISIONS:

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100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02/09/2026
DRAWN BY: RHA

ELECTRICAL SITE DEMOLITION

ES101

PRIMARY JOB # 24709

MUSCO LIGHTING CONTROL PANEL SCHEDULE - BASEBALL FIELD

CABINET NO	CONTROL STATION MODULE (SWITCH)	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	CIRCUIT DESIGNAITION	VOLTAGE	NUMBER OF FIXTURES	CONDUCTOR SIZE
1	1	C1	POLE A1	9.75	BFH-1(3,5)	480V/3PH	6	EXISTING
1	1	C2	POLE A2	9.75	BFH-2(4,6)	480V/3PH	6	EXISTING
1	1	C3	POLE B1	15.88	BFH-7(9,11)	480V/3PH	9	EXISTING
1	1	C4	POLE B2	17.63	BFH-8(10,12)	480V/3PH	11	EXISTING
1	1	C5	POLE C1	13.99	BFH-13(15,17)	480V/3PH	8	EXISTING
1	1	C6	POLE C2	13.99	BFH-14(16,18)	480V/3PH	8	EXISTING

GENERAL REMARKS

1. EXISTING CONDUCTORS SHALL BE EXTENED, AS REQURIED, TO CONNECT TO NEW CONTRACTORS.

MUSCO LIGHTING CONTROL PANEL SCHEDULE - SOFTBALL FIELD

CABINET NO	CONTROL STATION MODULE (SWITCH)	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	CIRCUIT DESIGNAITION	VOLTAGE	NUMBER OF FIXTURES	CONDUCTOR SIZE
1	1	C1	POLE A3	9.71	EXISTING SFH	480V/1PH	4	EXISTING
1	1	C2	POLE A4	9.71	EXISTING SFH	480V/1PH	4	EXISTING
1	1	C3	POLE B3	18.23	EXISTING SFH	480V/1PH	6	EXISTING
1	1	C4	POLE B4	18.23	EXISTING SFH	480V/1PH	6	EXISTING

GENERAL REMARKS

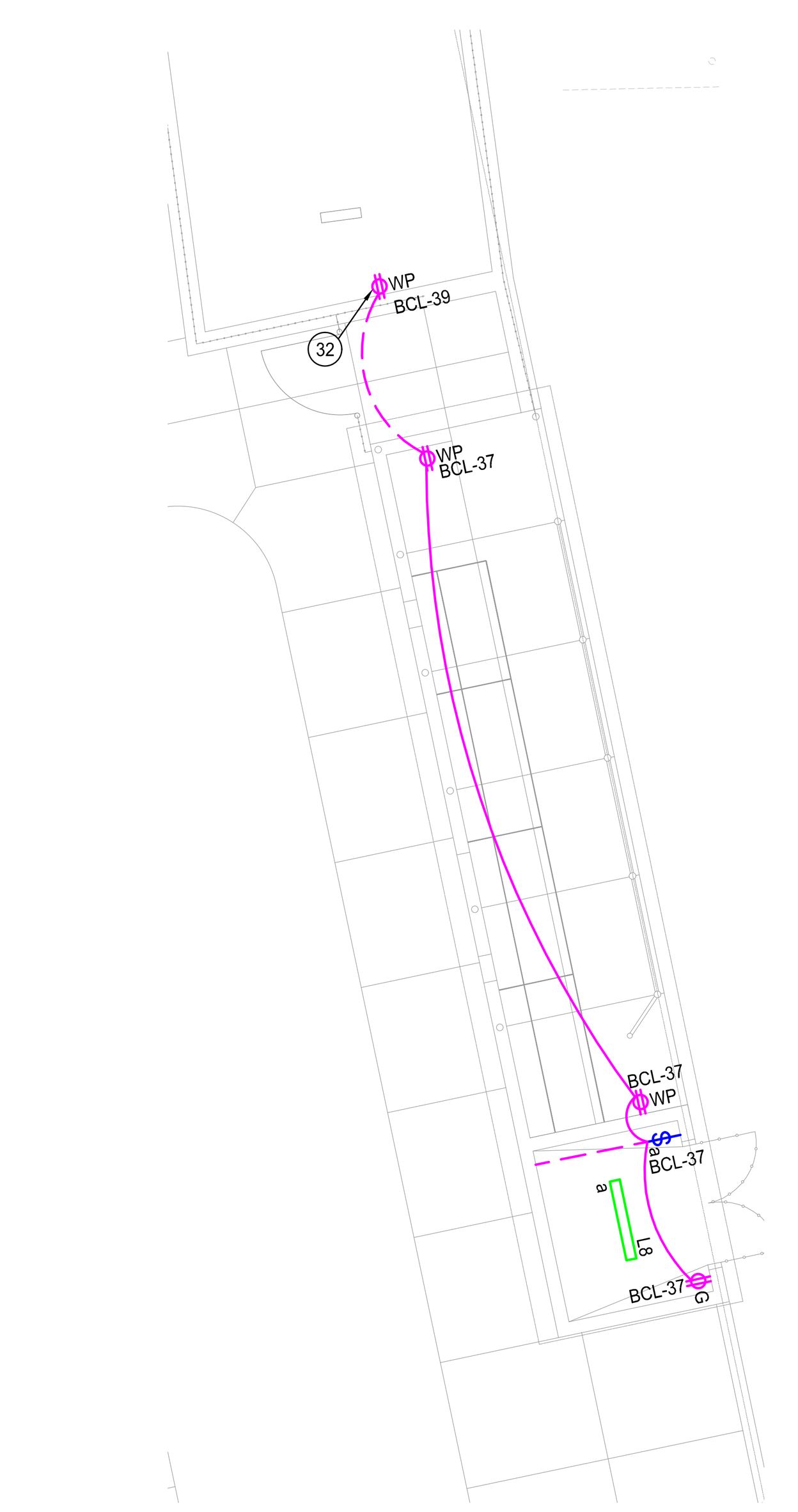
1. EXISTING CONDUCTORS SHALL BE EXTENED, AS REQURIED, TO CONNECT TO NEW CONTRACTORS.

PLAN NOTES

(X)

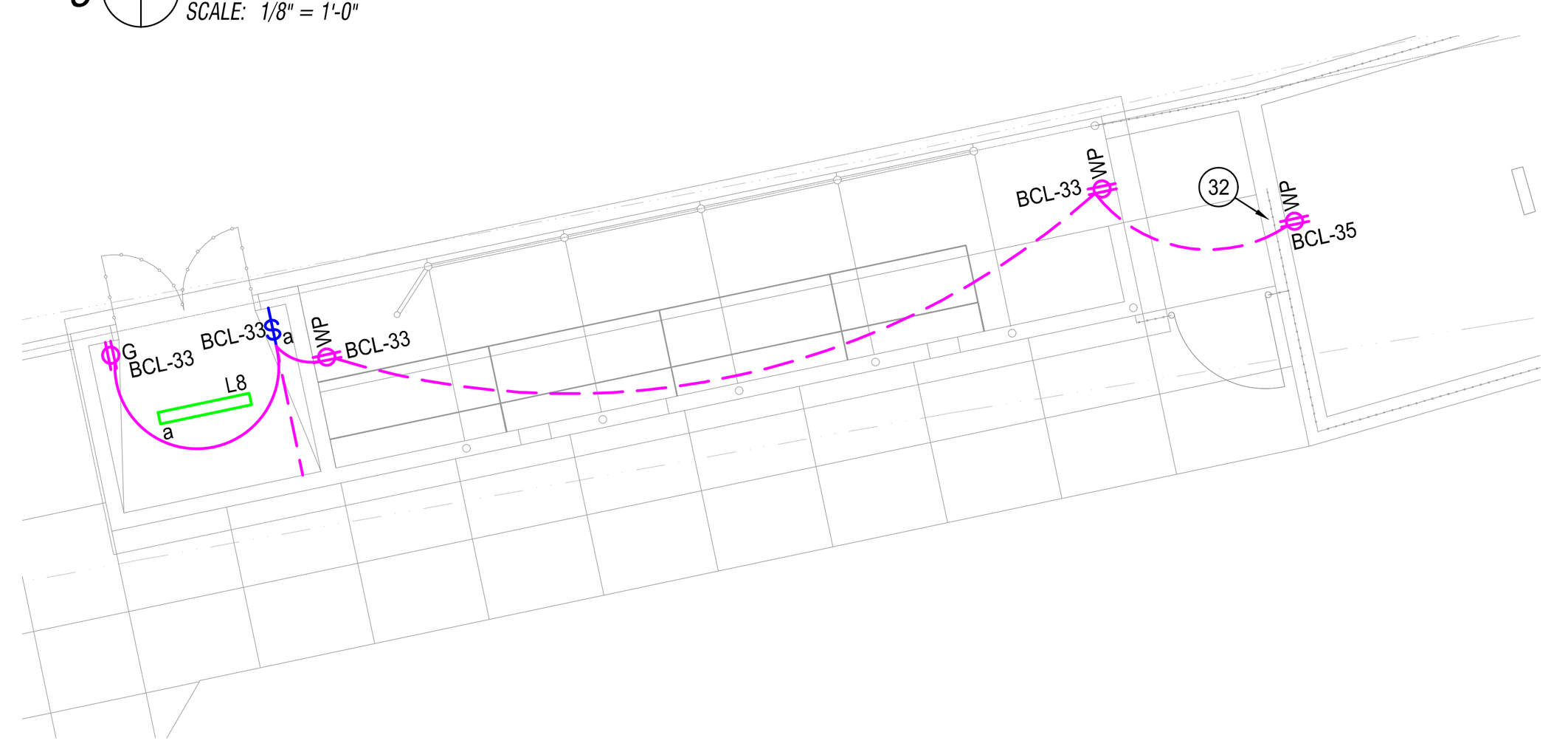
1. PROVIDE AND INSTALL 24"X24" IN-GRADE PULL BOX WITH OPEN BOTTOM TO SERVE SITE LIGHTING CIRCUITS. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED "ELECTRIC" CONTRACTOR SHALL BUTT SPLICE AND HEAT SHRINK WRAP NEW FEEDER FROM PANEL TBH TO EXISTING FEEDER FROM UTILITY TRANSFORMER.
2. PROVIDE AND INSTALL 4"CM, 4-500KMIL AND ONE SPARE 4" CONDUIT FROM JUNCTION BOX TO PANEL TBH LOCATED IN TENNIS BUILDING.
3. PROVIDE AND INSTALL TWO (2) 2"C, WITH 18-#10,6-#10G IN EACH CONDUIT AT -24" BELOW GRADE TO SERVE TENNIS COURT LIGHTING. ROUTE TO LIGHTING CONTROLLER IN TENNIS BUILDING AND TERMINATE TO CONTACTOR.
4. PROVIDE AND INSTALL 24"X24" IN-GRADE PULL BOX WITH OPEN BOTTOM TO SERVE SITE LIGHTING CIRCUITS. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED "LIGHTING" .CONTRACTOR SHALL BUTT SPLICE AND HEAT SHRINK WRAP NEW TENNIS COURT BRANCH(ES) FROM PANEL TBH TO EXISTING TENNIS COURT LIGHTING BRANCH CIRCUIT.
5. PROVIDE AND INSTALL TWO (2) 2"C, WITH 18-#10,6-#10G IN EACH CONDUIT AT -24" BELOW GRADE TO SERVE TENNIS COURT LIGHTING. ROUTE TO LIGHTING CONTROLLER IN TENNIS BUILDING AND TERMINATE TO CONTACTOR.
6. PROVIDE AND INSTALL ONE (1) 1"C, WITH 3-#10,1-#10G IN EACH CONDUIT AT -24" BELOW GRADE TO SERVE TENNIS COURT LIGHTING. ROUTE TO LIGHTING CONTROLLER IN TENNIS BUILDING AND TERMINATE TO CONTACTOR.
7. PROVIDE AND INSTALL 12"X12" IN-GRADE PULL BOX WITH OPEN BOTTOM TO SERVE SITE LIGHTING CIRCUITS. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED "LIGHTING" .CONTRACTOR SHALL BUTT SPLICE AND HEAT SHRINK WRAP NEW TENNIS COURT BRANCH FROM PANEL TBH TO EXISTING TENNIS COURT LIGHTING BRANCH CIRCUIT.
8. PROVIDE AND INSTALL 1-1/2"C,6-#8,3-#8G AT -24" BELOW GRADE FROM SPARE 20A/1P CIRCUIT BREAKERS IN EXISTING PANEL SBL TO SERVE NEW SCOREBOARD AND DUGOUT.
9. PROVIDE AND INSTALL 12"X12" IN-GRADE PULL BOX WITH OPEN BOTTOM TO SERVE SITE CIRCUITS. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED "ELECTRIC."
10. PROVIDE AND INSTALL 1-1/4" C, 4-#8,2-#8G AT -24" BELOW TO RECEPTACLES IN DUGOUT. REFER TO DRAWING #2 & #3 ON THIS SHEET FOR ADDITIONAL INFORMATION.
11. PROVIDE AND INSTALL 1" C, 2-#8,1-#8G AT -24" BELOW GRADE TO NEW SCOREBOARD.
12. NEW SCOREBOARD PROVIDE AND INSTALL BY OTHERS. CONTRACTOR SHALL MAKE FINAL CONNECTIONS. COORDINATE EXACT LOCATION WITH SCOREBOARD INSTALLER.
13. PROVIDE AND INSTALL 1-1/2"C, 6-#6,3-#6G FROM PANEL TBL AND ONE (1) 1-1/2" C WITH PULL STRING FROM AV RACK IN ROOM T104 IN TENNIS FACILITY AT -24" BELOW GRADE TO MONUMENT SIGN ON U.S. 31. CONTRACTOR SHALL DIRECTIONAL BORE UNDER EXISTING HARD SERVICES AS REQUIRED.
14. PROVIDE AND INSTALL 24"X24" IN-GRADE PULL BOX WITH OPEN BOTTOM TO SERVE CONDUITS TO MONUMENT SIGN. CONDUIT WITH PULL STRING SHALL BE CAPPED AND SEALED TO PREVENT WATER INFILTRATION. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED "SIGN" .
15. CONTRACTOR SHALL STUB CONDUIT UP IN BASE OF MONUMENT SIGN AND MAKE ALL FINAL CONNECTIONS. COORDINATE TERMINATIONS WITH SIGN PROVIDER.
16. PROVIDE AND INSTALL NEW SOFTBALL/BASEBALL FIELD LIGHTS ON CROSS ARMS, AND REMOTE DRIVER CABINET ON EXISTING POLES. REFER TO SPECIFICATIONS AND SCHEDULES ON THIS SHEET FOR ADDITIONAL INFORMATION
17. PROVIDE AND INSTALL FOUR (4) NEW 30A/2P CIRCUIT BREAKERS TO REPLACE EXISTING 60A/2P CIRCUIT BREAKERS IN EXISTING PANEL. PROVIDE AND INSTALL 2-#10,1-#10G FROM EACH BREAKER TO MUSCO LIGHTING CONTROL PANEL LOCATED NEXT TO PANEL ON EXISTING PEDESTAL.
18. MOUNT NEW MUSCO LIGHTING CONTROL PANEL ON EXISTING PEDESTAL. EXTEND EXISTING LIGHTING BRANCH CIRCUITS THAT SERVED EXISTING SOFTBALL FIELD LIGHTING, AS REQUIRED, AND CONNECT TO CONTACTOR AS INDICATED BY SCHEDULE ON THIS SHEET. EXTEND EXISTING CONTROL BRANCH CIRCUIT, AS REQUIRED TO CONNECT TO TO MUSCO LIGHTING CONTROL CABINET.
19. PROVIDE AND INSTALL 1" C, 2-#8,1-#8G AT -24" BELOW GRADE FROM BASEBALL CONCESSIONS PANEL BCL, AS INDICATED, TO NEW SCOREBOARD.
20. PROVIDE AND INSTALL 1-1/2"C, 4-#3,1-#8G AT -24" BELOW GRADE FROM BASEBALL CONCESSION PANEL BCL TO EXISTING STORAGE BUILDING. ROUTE TO LOCATION AS INDICATED AND STUB UP ABOVE GRADE AND LB90 INTO BUILDING AND CONNECT EXISTING PANEL.
21. PROVIDE AND INSTALL 1-1/2"C, 3-#3, 1-#8G AT -24" BELOW GRADE FROM PANEL AS INDICATED TO PRE-FABRICATED BASEBALL PRESS BOX. CONTRACTOR SHALL TRANSITION FROM GRC CONDUIT UP STRUCTURAL COLUMN AND TERMINATE TO PRE-FABRICATED PRESS BOX. COORDINATE PANEL TERMINATION WITH PRE-FABRICATED PRESS BOX PROVIDER.
22. PROVIDE AND INSTALL 1-1/2" C, 8-#8,4-#8G AT -24" BELOW GRADE FROM CONCESSION PANEL BCL TO SERVE NEW SCOREBOARDS AND DUGOUT.
23. CONTRACTOR SHALL RECONNECT EXISTING SCOREBOARD WITH NEW CIRCUIT.
24. PROVIDE AND INSTALL FEEDER IN CONDUIT AT -24" BELOW GRADE FROM PANEL BCH IN BASEBALL CONCESSIONS TO NORTH ANNEX BUILDING. TRANSITION FROM PVC TO GRC ROUTE UP SIDE OF BUILDING AND LB90 TO ABOVE ACCESSIBLE CEILING AND ROUTE TO MUSCO LIGHTING CONTROLLER IN BUILDING. REFER TO DRAWING E301NA FOR LOCATION OF CONTROLLER. COORDINATE LOCATION OF COMMUNICATION CABINET AND TOUCH SCREEN WITH OWNER IN PRESS BOX.REFER TO RISER DIAGRAM ON SHEET E601 FOR ADDITIONAL INFORMATION.
25. PROVIDE AND INSTALL FEEDER IN CONDUIT AT -24" BELOW GRADE FROM PANEL IN PRE-FAB PRESSBOX TO NORTH ANNEX BUILDING. TRANSITION FROM PVC TO GRC ROUTE UP SIDE OF BUILDING AND LB90 TO ABOVE ACCESSIBLE CEILING AND ROUTE TO BFL IN BUILDING. REFER TO DRAWING E301NA FOR LOCATION OF PANEL BFL.
26. NOT USED
27. PROVIDE AND INSTALL TWO (2) 2"C, WITH 18-#10,6-#10G IN EACH CONDUIT AT -24" BELOW GRADE EXISTING BASEBALL SITE LIGHTING CIRCUITS TO NORTH ANNEX BUILDING. TRANSITION FROM PVC TO GRC ROUTE UP SIDE OF BUILDING AND LB90 TO ABOVE ACCESSIBLE CEILING AND ROUTE TO MUSCO LIGHTING CONTROLLER IN BUILDING. REFER TO DRAWING E301NA FOR LOCATION OF CONTROLLER. COORDINATE LOCATION OF COMMUNICATION CABINET AND TOUCH SCREEN WITH OWNER IN PRESS BOX..
28. PROVIDE AND INSTALL 24"X24" IN-GRADE PULL BOX WITH OPEN BOTTOM TO SERVE SITE LIGHTING CIRCUITS. EQUAL TO QUAZITE #PG SERIES. LID SHALL BE MARKED "LIGHTING" .CONTRACTOR SHALL BUTT SPLICE AND HEAT SHRINK WRAP NEW BASEBALL FIELD BRANCH(ES) FROM PANEL BFH TO EXISTING BASEBALL FIELD LIGHTING BRANCH CIRCUIT.
29. ROUTE TWO (2) 2" CONDUIT BETWEEN BOXES TO ROUTE REMAIN BASEBALL FIELD LIGHTING CIRCUIT TO IN GROUND BOX. CONTRACTOR SHALL FIELD VERIFY QUANTITY OF CONDUCTORS TO BE ROUTED TO THE BOX DURING DEMOLITION.
30. NOT USED.
31. CONTRACTOR SHALL ROUTE CONTROL WIRES FROM MUSCO LIGHTING CONTROL PANEL TO PRESS BOX TO CONTROL LIGHTS TO ALLOW FOR REMOTE CONTROL.
32. CONTRACTOR SHALL SURFACE MOUNTED RECEPTACLE AT +24" ABOVE FINISHED GRADE ON VERTICAL SUPPORT STRUCTURE OF BATTING CAGE. COORDINATE LOCATION OF RECEPTACLE WITH PITCHING POSITION.
33. PROVIDE AND INSTALL ONE (1) 1-1/2"C, WITH 8-#8,4-#8G AT -24" BELOW GRADE FROM PANEL BCL TO RECEPTACLES FOR BATTING CAGES.
34. PROVIDE AND INSTALL ONE (1) 1"C, WITH 2-#8,1-#8G AT -24" BELOW GRADE FROM PANEL BCL TO RECEPTACLE FOR BATTING CAGES
35. PROVIDE AND INSTALL ONE (1) 1"C WITH CAT5E (BELDEN 7937A OR EQUAL) AT -24" BELOW GRADE FROM COMMUNICATION CABINET IN PRESS BOX TO NORTH ANNEX BUILDING. TRANSITION FROM PVC TO GRC ROUTE UP SIDE OF BUILDING AND LB90 TO ABOVE ACCESSIBLE CEILING AND ROUTE TO MUSCO LIGHTING CONTROLLER IN BUILDING. REFER TO DRAWING E301NA FOR LOCATION OF CONTROLLER. COORDINATE LOCATION OF COMMUNICATION CABINET AND TOUCH SCREEN WITH OWNER IN PRESS BOX.

1



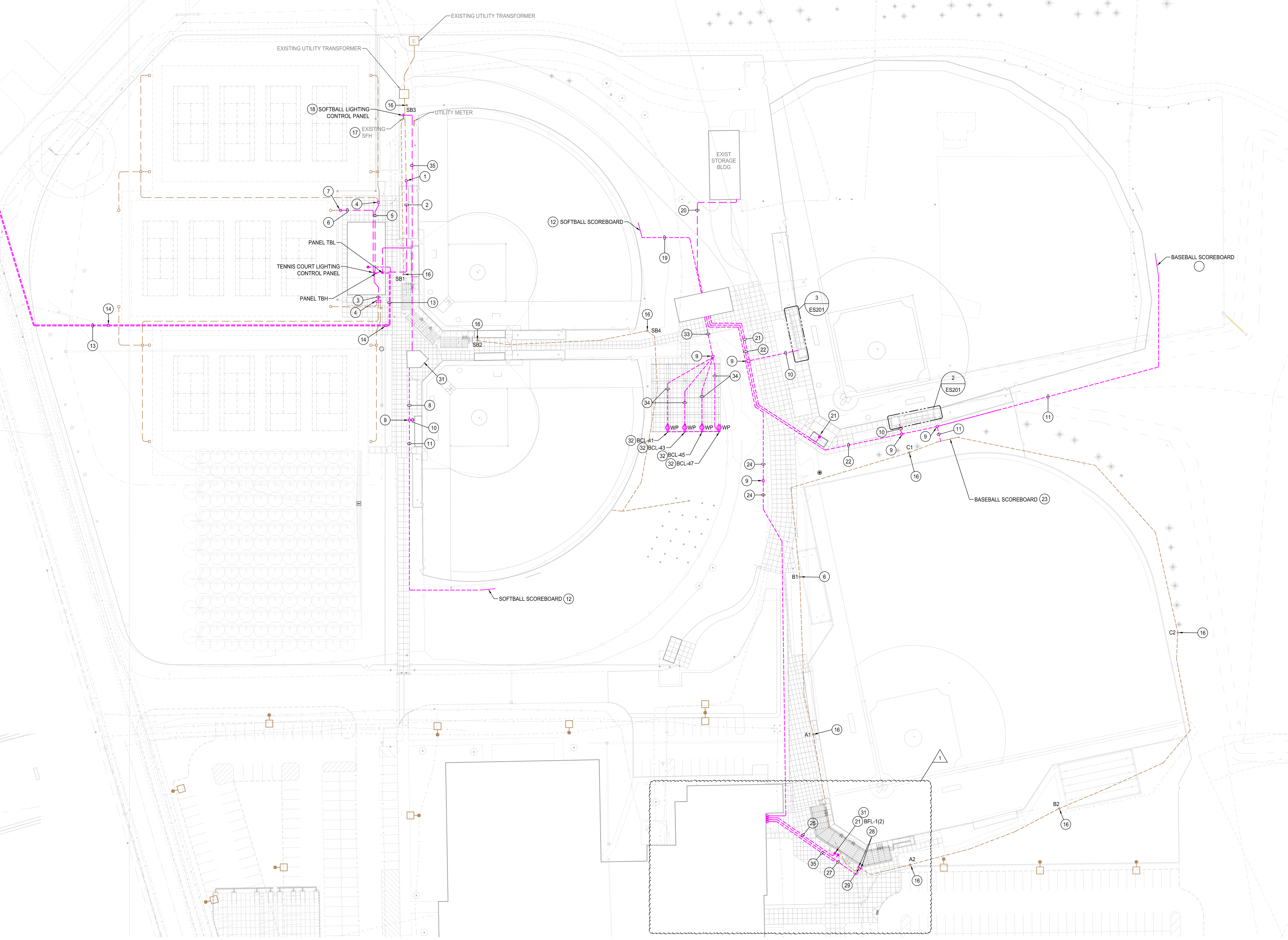
3 THIRD BASE DUG-OUT POWER PLAN - JUNIOR VARSITY

SCALE: 1/8" = 1'-0"



2 FIRST BASE DUG-OUT POWER PLAN - JUNIOR VARSITY

SCALE: 1/8" = 1'-0"



1 ELECTRICAL SITE PLAN

SCALE: 1" = 50'-0"

IF THE WHEEL PRINTED BELOW IS NOT SHOWN IN COLOR, THIS SET OF PRINTS IS NOT REPRESENTING ALL LINE TYPES CORRECTLY. CONTACT PRIMARY ENGINEERING FOR DIRECTIONS ON HOW TO OBTAIN A FULL COLOR SET OF PRINTS.

SCALE: 1" = 10'-0" | SCALE: 1" = 20'-0" | SCALE: 1" = 30'-0" | SCALE: 1" = 40'-0" | SCALE: 1" = 50'-0" | SCALE: 1" = 60'-0" | SCALE: 1" = 70'-0"

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No. PE10302397 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	03/05/2026	ADDENDUM #1

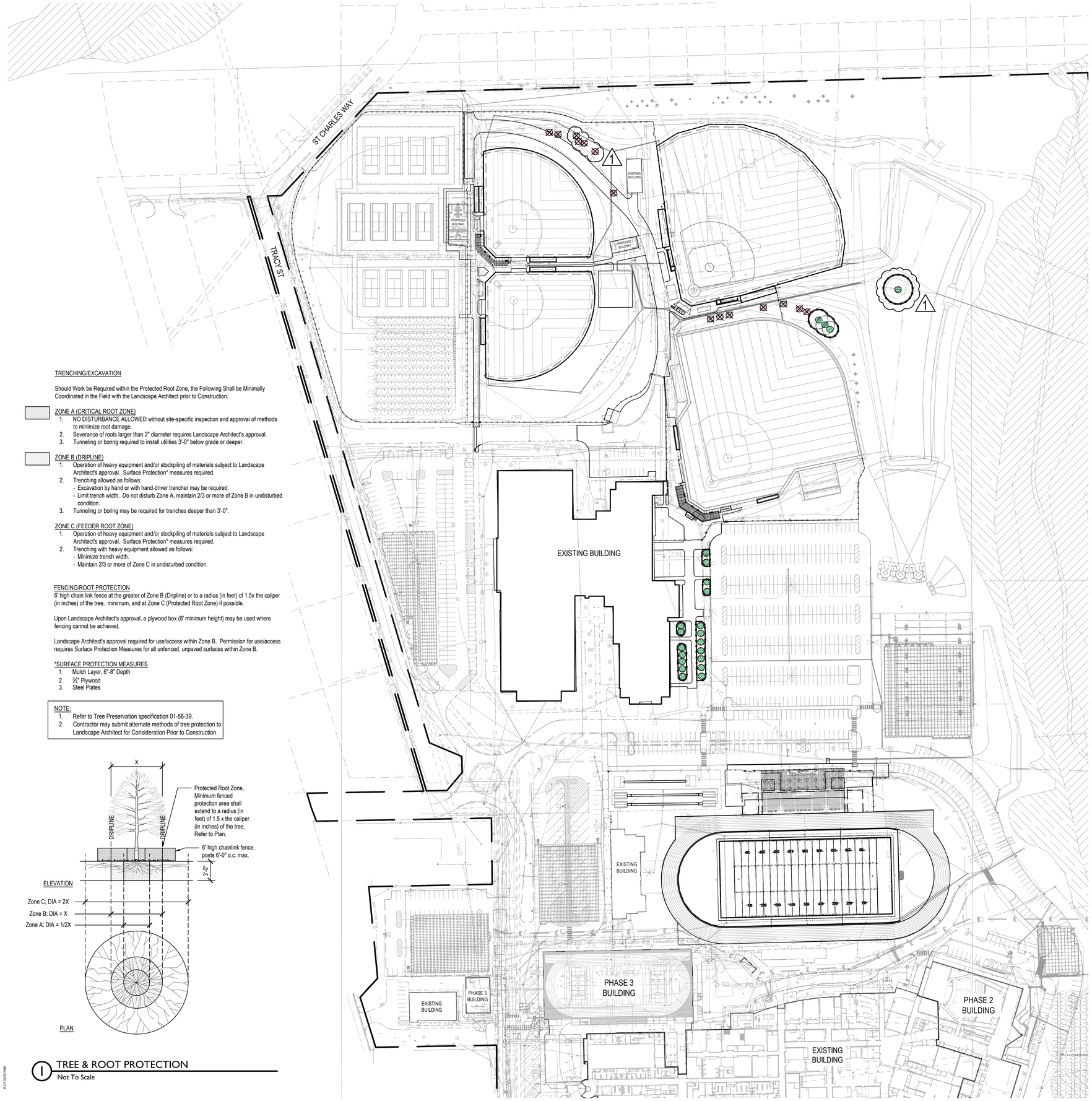
100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02/09/2026
DRAWN BY: RHA

ELECTRICAL SITE PLAN

ES201

PRIMARY JOB # 24709



TRENCHING/EXCAVATION

Should Work be Required within the Protected Root Zone, the Following Shall be Minimally Coordinated in the Field with the Landscape Architect prior to Construction.

ZONE A (CRITICAL ROOT ZONE)
1. NO DISTURBANCE ALLOWED without site-specific inspection and approval of methods to minimize root damage.
2. Severance of roots larger than 2" diameter requires Landscape Architect's approval.
3. Tunneling or boring required to install utilities 3'-0" below grade or deeper.

ZONE B (DRIPLINE)
1. Operation of heavy equipment and/or stockpiling of materials subject to Landscape Architect's approval. Surface Protection* measures required.
2. Trenching allowed as follows:
   - Excavation by hand or with hand-driver trencher may be required.
   - Limit trench width. Do not disturb Zone A, maintain 2/3 or more of Zone B in undisturbed condition.
3. Tunneling or boring may be required for trenches deeper than 3'-0".

ZONE C (FEEDER ROOT ZONE)
1. Operation of heavy equipment and/or stockpiling of materials subject to Landscape Architect's approval. Surface Protection* measures required.
2. Trenching with heavy equipment allowed as follows:
   - Minimize trench width.
   - Maintain 2/3 or more of Zone C in undisturbed condition.

FENCING/ROOT PROTECTION

6' high chain link fence at the greater of Zone B (Dripline) or to a radius (in feet) of 1.5x the caliper (in inches) of the tree, minimum, and at Zone C (Protected Root Zone) if possible.

Upon Landscape Architect's approval, a plywood box (8' minimum height) may be used where fencing cannot be achieved.

Landscape Architect's approval required for use/access within Zone B. Permission for use/access requires Surface Protection Measures for all unfenced, unpaved surfaces within Zone B.

*SURFACE PROTECTION MEASURES
1. Mulch Layer, 6"-8" Depth
2. ¾" Plywood
3. Steel Plates

NOTE:
1. Refer to Tree Preservation specification 01-56-39.
2. Contractor may submit alternate methods of tree protection to Landscape Architect for Consideration Prior to Construction.

1 TREE & ROOT PROTECTION
Not To Scale

TREE PROTECTION GENERAL NOTES

1. Underground utilities, if shown, are based on above ground indications and construction drawings. There is no guarantee that all underground utilities in service or abandoned are shown. Underground utilities are shown as accurately as possible but still may not be exact. No physical underground utility locations were made.
2. Contractor to review all trees to be removed on site with Landscape Architect or Owner's Representative prior to demolition.
3. Tree Protection Fencing locations are fixed. Install exactly where shown on these plans. Any adjustments to fencing locations must be approved by the City Planning and Transportation Department and the Owner. Damages will be assessed if tree protection fence location is adjusted without Owner approval. Fence deviation from this plan or approved change will be corrected by the General Contractor prior to the start of construction.
4. supervision of a Certified Arborist. Contractor shall not prune trees or restrain limbs.
5. No staging, equipment, material storage, or vehicles are allowed on non-paved areas unless indicated otherwise on plan.
6. Abandon all utilities to be removed when located within a Protected Root Zone.
7. Backfill all depressed and void areas with top soil following removal of vegetation. Soil shall be free of debris. Compact soils to ensure settling and sedimentation do not occur.
8. Owner is responsible for transplanting identified trees, as noted. Coordinate with Owner if trees to be transplanted remain on site when mobilization begins.
9. Cleanly cut all roots encountered during construction. Contractor to Air-knife all roots around trees around all indicated as being essential to the campus landscape vocabulary and any tree over 18" in diameter.
10. Coordinate locations of Tree Protection Fencing and Construction Fencing prior to the start of construction activities. In areas where Tree Protection and Construction Fences overlap, the Contractor may elect to install the more restrictive fence type of the two provided that the single fence accommodates the requirements of both fences.

Note: Coordinate tree protection within site with any utility work in the area. Provide temporary tree protection fencing along all trees for a min. of 50' from the edge of construction activities.

TREE PRESERVATION LEGEND

- Tree to be Protected
- Tree to be Removed
- Tree Protection Fence Locations - To be installed PRIOR TO DEMOLITION, Refer to Detail 5/L602
- Dripline

North

0 40' 80' 160'
Scale 1" = 80'-0"

LANCER ASSOCIATES ARCHITECTURE
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INDIANAPOLIS, IN 46203

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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

FREDDIE J. PRAZEAU REGISTERED No. 2020-0052 STATE OF INDIANA LANDSCAPE ARCHITECT
EXPIRES 12-31-2027

REVISIONS:		
#	Date	Desc:
1	03/06/2026	Addendum 01

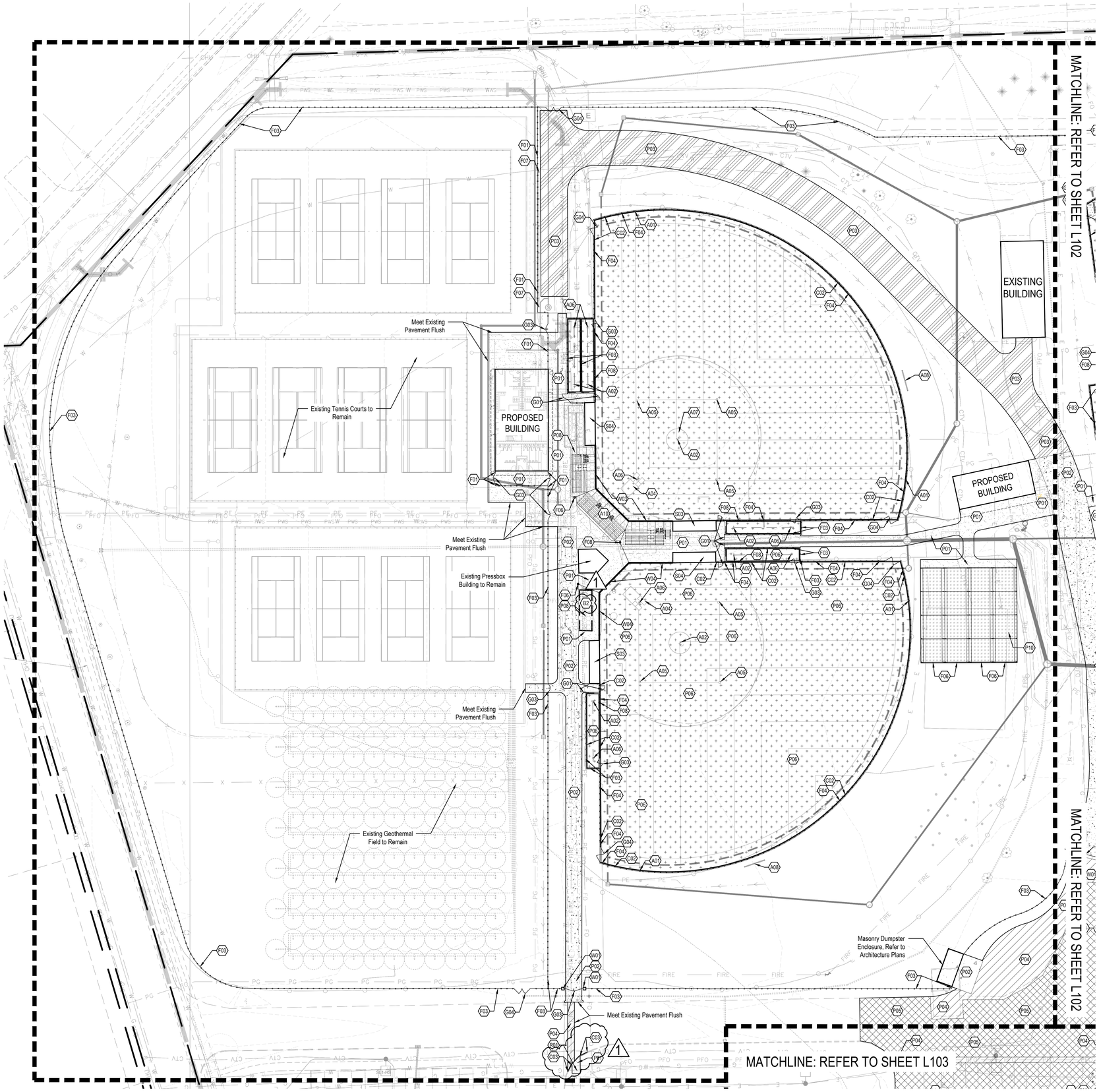
CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02-09-2026
DRAWN BY: MA, CH

TREE PRESERVATION PLAN

L010

PLOT DATE/TIME:



	ATHLETIC COMPONENTS
KEY	DESCRIPTION / REFERENCE
A01	FOUL POLE, ORANGE, REFER TO SITE DETAIL 7/L601 AND SPEC. 11 68 33.33
A02	PITCHING RUBBER REFER TO SPEC. 32 91 16
A03	BASEBALL BATTERS BOX REFER TO DETAIL 12/L600
A04	SOFTBALL BATTERS BOX REFER TO DETAIL 11/L600
A05	BASE REFER TO SPEC. 32 91 16
A06	HOME PLATE REFER TO SPEC. 32 91 16
A07	TURF PITCHERS MOUND REFER TO SPEC. 32 91 16
A08	SCOREBOARD OWNER PROVIDED
A09	BASEBALL BLEACHER WITH PRESS BOX (APPROXIMATELY 500 SEATS) REFER TO SPEC. 13 34 13 AND 13 12 00
A10	VARSITY SOFTBALL BLEACHER (APPROXIMATELY 300 SEATS) REFER TO SPEC. 13 34 30

	CURBS
KEY	DESCRIPTION / REFERENCE
C01	PERIMETER NAILER CURB REFER TO SITE DETAIL 9/L600
C02	PERIMETER NAILER CURB WITH FENCING REFER TO SITE DETAIL 10/L600
C03	STRAIGHT CONCRETE CURB REFER TO SITE DETAIL 8/L606

	RELOCATED BLEACHERS
KEY	DESCRIPTION / REFERENCE
B1	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B2	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B3	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B4	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS

	FENCING
KEY	DESCRIPTION / REFERENCE
F01	6'-0" HT. CHAIN-LINK FENCE, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F02	6'-0" HT.ORNAMENTAL FENCE, BLACK, REFER TO SPEC. 32 31 13
F03	8'-0" HT. CHAIN-LINK FENCE, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F04	8'-0" HT. CHAIN-LINK FENCE WITH ORANGE TOPPER, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F05	4'-0" HT. CHAIN-LINK FENCE, BLACK REFER TO SPEC. 32 31 13
F06	BASEBALL BATTING CAGE NETTING REFER TO SPEC. 11 68 33.33
F07	BARRIER NETTING REFER TO SPEC. 32 33 00

	SITE FURNISHINGS
KEY	DESCRIPTION / REFERENCE
F08	BACKSTOP TIE-BACK POST, REFER TO SITE DETAIL 14/L600 AND SPEC. 11 68 33.33
F09	STEEL PIPE BOLLARD WITH CONCRETE FILL REFER TO SITE DETAIL 15/L600

	GATES
KEY	DESCRIPTION / REFERENCE
G01	SINGLE LEAF SWING GATE, 4'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G02	DOUBLE LEAF ORNAMENTAL SWING GATE, 8'-0" OPENING, MATCH HEIGHT. OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G03	DOUBLE LEAF CHAIN LINK SWING GATE, 8'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G04	DOUBLE LEAF CHAIN LINK SWING GATE, 12'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G05	VEHICULAR SLIDING GATE, 25'-0" OPENING, REFER TO SPEC. 32 31 13

	PAVEMENTS
KEY	DESCRIPTION / REFERENCE
P01	CONCRETE, STANDARD DUTY REFER TO DETAILS 1-3/L600 AND SPEC. 32 13 13
P02	CONCRETE, HEAVY DUTY REFER TO DETAILS 2-4/L600 AND SPECIFICATION 32 13 13
P03	LIGHT DUTY ASPHALT PAVEMENT, REFER TO SITE DETAIL 5/L606 AND CIVIL SPECIFICATIONS
P04	HEAVY DUTY ASPHALT PAVEMENT, REFER TO SITE DETAIL 6/L606 AND CIVIL SPECIFICATIONS
P05	MILL AND OVERLAY PAVEMENT REFER TO SITE DETAIL 7/L606 AND CIVIL SPECIFICATIONS

	PAVEMENTS, SPECIALTY
KEY	DESCRIPTION / REFERENCE
P06	SYNTHETIC TURF - BASEBALL & SOFTBALL FIELDS, REFER TO SITE DETAIL 5/L600 AND SPEC. 32 91 16
P07	TRACK PAVEMENT, MILL & RESURFACE, REFER TO SITE DETAILS 6,8/L600 AND SPEC. 32 18 23
P08	BLEACHER PAD CONCRETE, REFER TO BLEACHER MANUFACTURER FOR REQUIREMENTS
P09	GRAVEL SURFACING
P10	SYNTHETIC TURF ON CONCRETE, STANDARD DUTY, REFER TO SITE DETAILS 1-3/L600 AND SPEC. 32 91 16 (2.1)(B) BATTING TUNNELS
P11	TRACK PAVEMENT, RESURFACE REFER TO SITE DETAIL 7/L600 AND SPEC. 32 18 23
P12	TRACK PAVEMENT, RESURFACE REFER TO SPEC. 32 18 23

	RAMPS
KEY	DESCRIPTION / REFERENCE
R01	ONE WAY DIRECTIONAL CURB RAMP, REFER TO SITE DETAIL 1/L606 AND CIVIL SPECIFICATIONS
R02	PERPENDICULAR CURB RAMP, REFER TO SITE DETAIL 2/L606 AND CIVIL SPECIFICATIONS

	SITE STRUCTURES
KEY	DESCRIPTION / REFERENCE
S01	JUNIOR VARSITY BASEBALL DUGOUT FIRST BASE SIDE, REFER TO SITE DETAILS 1-5/L602 AND SPEC. 32 91 16
S02	JUNIOR VARSITY BASEBALL DUGOUT THIRD BASE SIDE, REFER TO SITE DETAILS 1/L602 AND1-2, AND 4-5/L603 AND SPEC. 32 91 16
S03	VARSITY AND JUNIOR VARSITY SOFTBALL DUGOUT FIRST BASE SIDE, EXISTING DUGOUT TO REMAIN
S04	VARSITY AND JUNIOR VARSITY SOFTBALL DUGOUT THIRD BASE SIDE, EXISTING DUGOUT TO REMAIN
S05	STAIR, 2-STEP, WITH HANDRAILS, REFER TO SPECS. 05 52 13 AND 03 35 01

	WALLS
KEY	DESCRIPTION / REFERENCE
W01	MASONRY PIER, REFER TO SITE DETAILS 3/L603 & 2-3/L604 FOR ORNAMENTAL FENCE ATTACHMENT AND MASONRY PIER
W02	JUNIOR VARSITY BASEBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAILS 13/L600 AND 1-2/L601
W03	VARSITY SOFTBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAIL 13/L600 AND 3-4/L601
W04	JUNIOR VARSITY SOFTBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAIL 13/L600 AND 5-6/L601
W05	WALL, 2'-0" WIDE SEAT WALL REFER TO SITE DETAILS 9/L601 AND 4/L605

LANCER ASSOCIATES ARCHITECTURE
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INDIANAPOLIS, IN 46203

context DESIGN
5825 Lawton Loop East Drive | Indianapolis, IN 46216
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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

FREDDIE J. PRAZEAU REGISTERED No. 2020-0052 STATE OF INDIANA LANDSCAPE ARCHITECT
EXPIRES 12-31-2027

REVISIONS:			
#	Date	Desc.	
1	xx/xx/2026	Addendum 01	

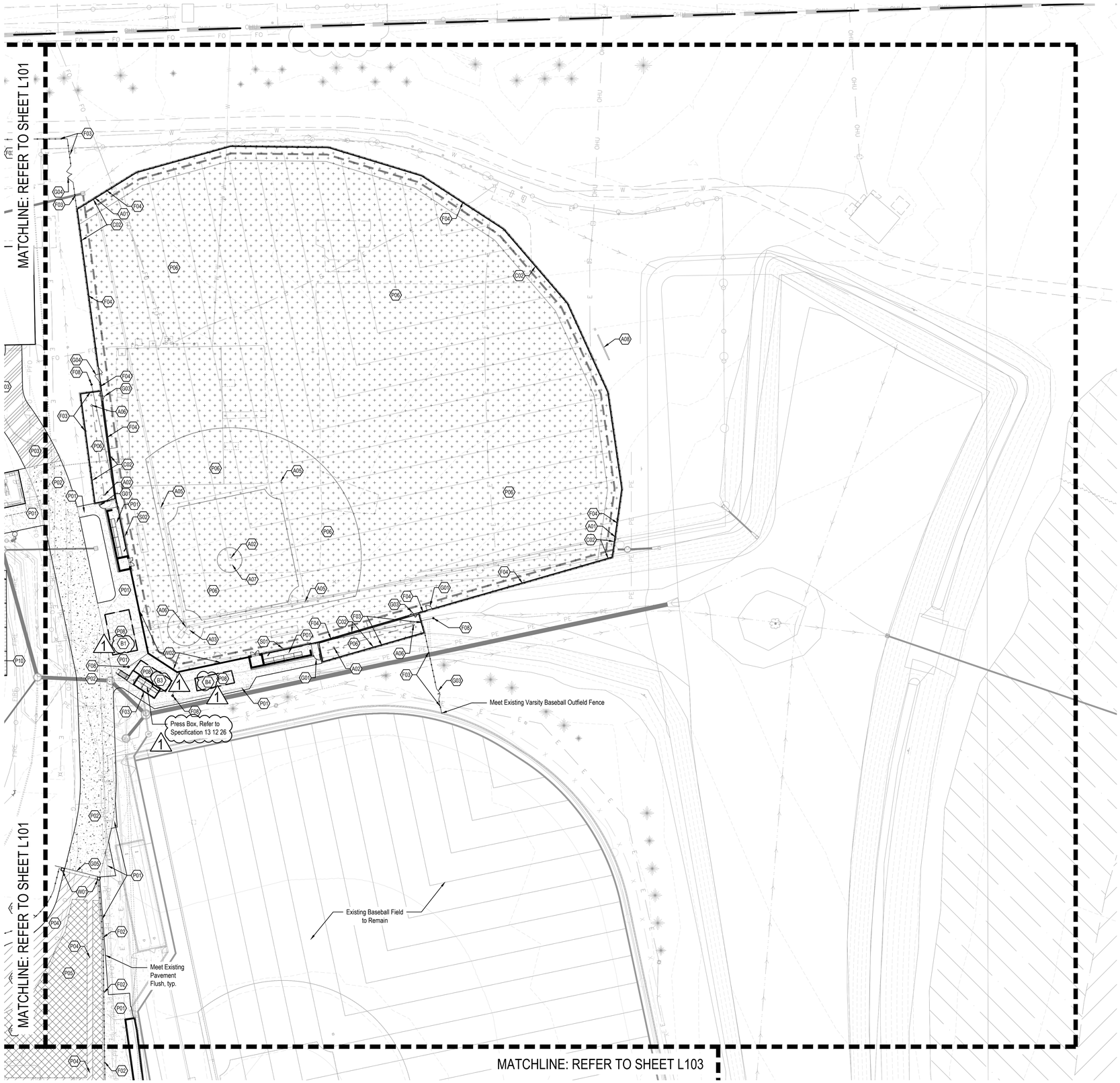
CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02-09-2026
DRAWN BY: MA, CH

SITE MATERIALS PLAN

L101

PLOT DATE/TIME:



	ATHLETIC COMPONENTS
KEY	DESCRIPTION / REFERENCE
A01	FOUL POLE, ORANGE, REFER TO SITE DETAIL 7/L601 AND SPEC. 11 68 33.33
A02	PITCHING RUBBER REFER TO SPEC. 32 91 16
A03	BASEBALL BATTERS BOX REFER TO DETAIL 12/L600
A04	SOFTBALL BATTERS BOX REFER TO DETAIL 11/L600
A05	BASE REFER TO SPEC. 32 91 16
A06	HOME PLATE REFER TO SPEC. 32 91 16
A07	TURF PITCHERS MOUND REFER TO SPEC. 32 91 16
A08	SCOREBOARD OWNER PROVIDED
A09	BASEBALL BLEACHER WITH PRESS BOX (APPROXIMATELY 500 SEATS) REFER TO SPEC. 13 34 19 AND 13 12 26
A10	VARSITY SOFTBALL BLEACHER (APPROXIMATELY 300 SEATS) REFER TO SPEC. 13 34 50

	CURBS
KEY	DESCRIPTION / REFERENCE
C01	PERIMETER NAILER CURB REFER TO SITE DETAIL 9/L600
C02	PERIMETER NAILER CURB WITH FENCING REFER TO SITE DETAIL 10/L600
C03	STRAIGHT CONCRETE CURB REFER TO SITE DETAIL 8/L606

	RELOCATED BLEACHERS
KEY	DESCRIPTION / REFERENCE
B1	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B2	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B3	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B4	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS

	FENCING
KEY	DESCRIPTION / REFERENCE
F01	6'-0" HT. CHAIN-LINK FENCE, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F02	6'-0" HT.ORNAMENTAL FENCE, BLACK, REFER TO SPEC. 32 31 13
F03	8'-0" HT. CHAIN-LINK FENCE, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F04	8'-0" HT. CHAIN-LINK FENCE WITH ORANGE TOPPER, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F05	4'-0" HT. CHAIN-LINK FENCE, BLACK REFER TO SPEC. 32 31 13
F06	BASEBALL BATTING CAGE NETTING REFER TO SPEC. 11 68 33.33
F07	BARRIER NETTING REFER TO SPEC. 32 33 00

	SITE FURNISHINGS
KEY	DESCRIPTION / REFERENCE
F08	BACKSTOP TIE-BACK POST, REFER TO SITE DETAIL 14/L600 AND SPEC. 11 68 33.33
F09	STEEL PIPE BOLLARD WITH CONCRETE FILL REFER TO SITE DETAIL 15/L600

	GATES
KEY	DESCRIPTION / REFERENCE
G01	SINGLE LEAF SWING GATE, 4'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G02	DOUBLE LEAF ORNAMENTAL SWING GATE, 8'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G03	DOUBLE LEAF CHAIN LINK SWING GATE, 8'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G04	DOUBLE LEAF CHAIN LINK SWING GATE, 12'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G05	VEHICULAR SLIDING GATE, 25'-0" OPENING, REFER TO SPEC. 32 31 13

	PAVEMENTS
KEY	DESCRIPTION / REFERENCE
P01	CONCRETE, STANDARD DUTY REFER TO DETAILS 1-3/L600 AND SPEC. 32 13 13
P02	CONCRETE, HEAVY DUTY REFER TO DETAILS 2-4/L600 AND SPECIFICATION 32 13 13
P03	LIGHT DUTY ASPHALT PAVEMENT, REFER TO SITE DETAIL 5/L606 AND CIVIL SPECIFICATIONS
P04	HEAVY DUTY ASPHALT PAVEMENT, REFER TO SITE DETAIL 6/L606 AND CIVIL SPECIFICATIONS
P05	MILL AND OVERLAY PAVEMENT REFER TO SITE DETAIL 7/L606 AND CIVIL SPECIFICATIONS

	PAVEMENTS, SPECIALTY
KEY	DESCRIPTION / REFERENCE
P06	SYNTHETIC TURF - BASEBALL & SOFTBALL FIELDS, REFER TO SITE DETAIL 5/L600 AND SPEC. 32 91 16
P07	TRACK PAVEMENT, MILL & RESURFACE, REFER TO SITE DETAILS 6-8/L600 AND SPEC. 32 18 23
P08	BLEACHER PAD CONCRETE, REFER TO BLEACHER MANUFACTURER FOR REQUIREMENTS
P09	GRAVEL SURFACING REFER TO SITE DETAIL 4/L601
P10	SYNTHETIC TURF ON CONCRETE, STANDARD DUTY, REFER TO SITE DETAILS 1-3/L600 AND SPEC. 32 91 16 (2.1)(B) BATTING TUNNELS
P11	TRACK PAVEMENT, RESURFACE REFER TO SITE DETAIL 7/L600 AND SPEC. 32 18 23
P12	TRACK PAVEMENT, RESURFACE REFER TO SPEC. 32 18 23

	RAMPS
KEY	DESCRIPTION / REFERENCE
R01	ONE WAY DIRECTIONAL CURB RAMP, REFER TO SITE DETAIL 15/L606 AND CIVIL SPECIFICATIONS
R02	PERPENDICULAR CURB RAMP, REFER TO SITE DETAIL 2/L606 AND CIVIL SPECIFICATIONS

	SITE STRUCTURES
KEY	DESCRIPTION / REFERENCE
S01	JUNIOR VARSITY BASEBALL DUGOUT FIRST BASE SIDE, REFER TO SITE DETAILS 1-5/L602 AND SPEC. 32 91 16
S02	JUNIOR VARSITY BASEBALL DUGOUT THIRD BASE SIDE, REFER TO SITE DETAILS 1/L602 AND1-2, AND 4-5/L603 AND SPEC. 32 91 16
S03	VARSITY AND JUNIOR VARSITY SOFTBALL DUGOUT FIRST BASE SIDE, EXISTING DUGOUT TO REMAIN
S04	VARSITY AND JUNIOR VARSITY SOFTBALL DUGOUT THIRD BASE SIDE, EXISTING DUGOUT TO REMAIN
S05	STAIR, 2-STEP, WITH HANDRAILS, REFER TO SPECS. 05 52 13 AND 03 30 01

	WALLS
KEY	DESCRIPTION / REFERENCE
W01	MASONRY PIER, REFER TO SITE DETAILS 3/L603 & 2-3/L604 FOR ORNAMENTAL FENCE ATTACHMENT AND MASONRY PIER
W02	JUNIOR VARSITY BASEBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAILS 13/L600 AND 1-2/L601
W03	VARSITY SOFTBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAIL 13/L600 AND 3-4/L601
W04	JUNIOR VARSITY SOFTBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAIL 13/L600 AND 5-6/L601
W05	WALL, 2'-0" WIDE SEAT WALL REFER TO SITE DETAILS 9/L601 AND 4/L605

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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

FREDDIE J. PRAZEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2027

REVISIONS:		
#	Date	Desc.
1	xx/xx/2026	Addendum 01

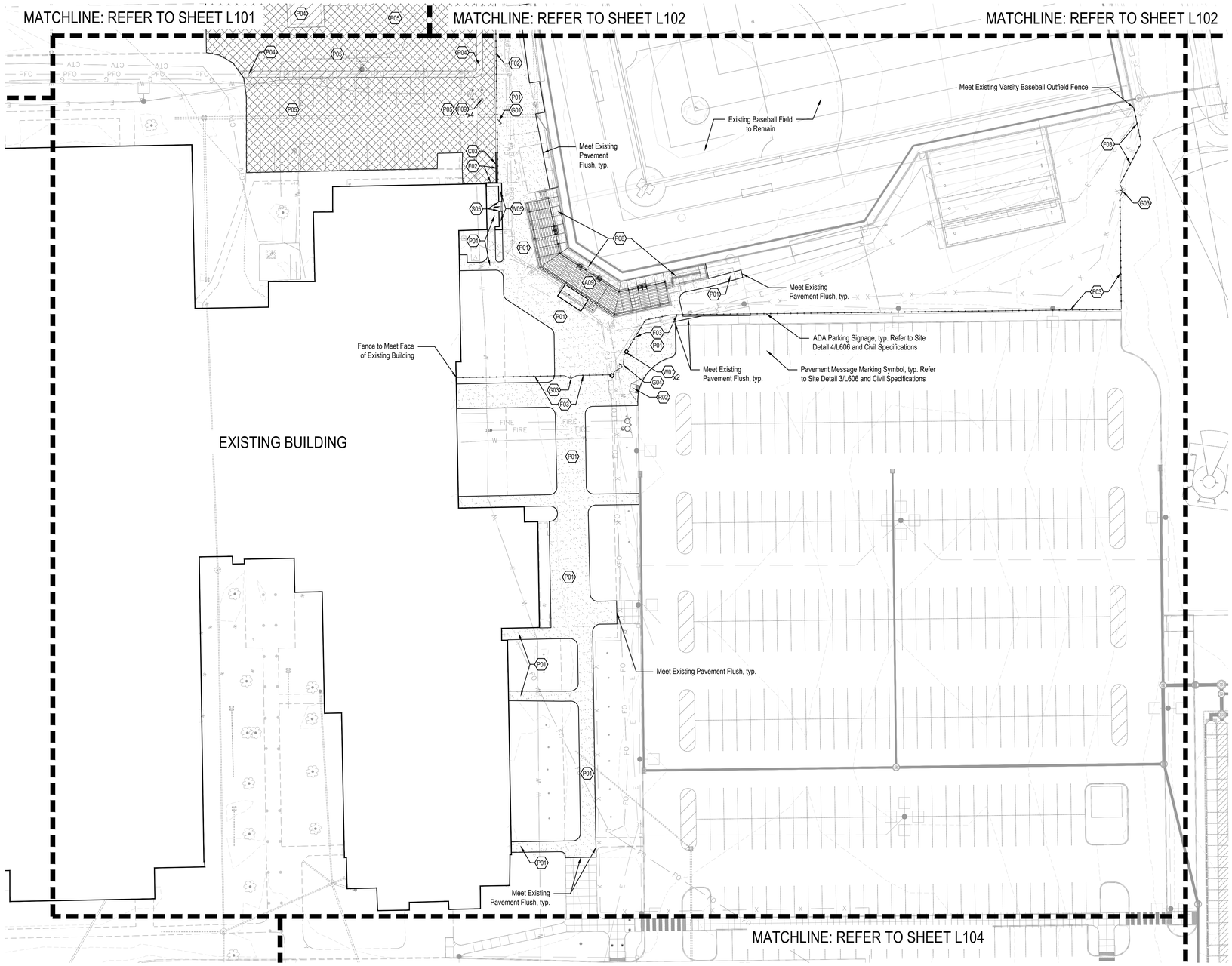
CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02-09-2026
DRAWN BY: MA, CH

SITE MATERIALS PLAN

L102

PLOT DATE/TIME



	ATHLETIC COMPONENTS
KEY	DESCRIPTION / REFERENCE
A01	FOUL POLE, ORANGE, REFER TO SITE DETAIL 7/L601 AND SPEC. 11 68 33.33
A02	PITCHING RUBBER REFER TO SPEC. 32 91 16
A03	BASEBALL BATTERS BOX REFER TO DETAIL 12/L600
A04	SOFTBALL BATTERS BOX REFER TO DETAIL 11/L600
A05	BASE REFER TO SPEC. 32 91 16
A06	HOME PLATE REFER TO SPEC. 32 91 16
A07	TURF PITCHERS MOUND REFER TO SPEC. 32 91 16
A08	SCOREBOARD OWNER PROVIDED
A09	BASEBALL BLEACHER WITH PRESS BOX (APPROXIMATELY 500 SEATS) REFER TO SPEC. 13 34 36 AND 13 12 26
A10	VARSITY SOFTBALL BLEACHER (APPROXIMATELY 300 SEATS) REFER TO SPEC. 13 34 30

	CURBS
KEY	DESCRIPTION / REFERENCE
C01	PERIMETER NAILER CURB REFER TO SITE DETAIL 9/L600
C02	PERIMETER NAILER CURB WITH FENCING REFER TO SITE DETAIL 10/L600
C03	STRAIGHT CONCRETE CURB REFER TO SITE DETAIL 8/L606

	RELOCATED BLEACHERS
KEY	DESCRIPTION / REFERENCE
B1	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B2	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B3	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B4	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS

	FENCING
KEY	DESCRIPTION / REFERENCE
F01	6'-0" HT. CHAIN-LINK FENCE, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F02	6'-0" HT.ORNAMENTAL FENCE, BLACK, REFER TO SPEC. 32 31 13
F03	8'-0" HT. CHAIN-LINK FENCE, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F04	8'-0" HT. CHAIN-LINK FENCE WITH ORANGE TOPPER, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F05	4'-0" HT. CHAIN-LINK FENCE, BLACK REFER TO SPEC. 32 31 13
F06	BASEBALL BATTING CAGE NETTING REFER TO SPEC. 11 68 33.33
F07	BARRIER NETTING REFER TO SPEC. 32 33 00

	SITE FURNISHINGS
KEY	DESCRIPTION / REFERENCE
F08	BACKSTOP TIE-BACK POST, REFER TO SITE DETAIL 14/L600 AND SPEC. 11 68 33.33
F09	STEEL PIPE BOLLARD WITH CONCRETE FILL REFER TO SITE DETAIL 15/L606

	GATES
KEY	DESCRIPTION / REFERENCE
G01	SINGLE LEAF SWING GATE, 4'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G02	DOUBLE LEAF ORNAMENTAL SWING GATE, 8'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G03	DOUBLE LEAF CHAIN LINK SWING GATE, 8'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G04	DOUBLE LEAF CHAIN LINK SWING GATE, 12'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G05	VEHICULAR SLIDING GATE, 25'-0" OPENING, REFER TO SPEC. 32 31 13

	PAVEMENTS
KEY	DESCRIPTION / REFERENCE
P01	CONCRETE, STANDARD DUTY REFER TO DETAILS 1-3/L600 AND SPEC. 32 13 13
P02	CONCRETE, HEAVY DUTY REFER TO DETAILS 2-4/L600 AND SPECIFICATION 32 13 13
P03	LIGHT DUTY ASPHALT PAVEMENT, REFER TO SITE DETAIL 5/L606 AND CIVIL SPECIFICATIONS
P04	HEAVY DUTY ASPHALT PAVEMENT, REFER TO SITE DETAIL 6/L606 AND CIVIL SPECIFICATIONS
P05	MILL AND OVERLAY PAVEMENT REFER TO SITE DETAIL 7/L606 AND CIVIL SPECIFICATIONS

	PAVEMENTS, SPECIALTY
KEY	DESCRIPTION / REFERENCE
P06	SYNTHETIC TURF - BASEBALL & SOFTBALL FIELDS, REFER TO SITE DETAIL 5/L600 AND SPEC. 32 91 16
P07	TRACK PAVEMENT, MILL & RESURFACE, REFER TO SITE DETAILS 6 /L600 AND SPEC. 32 18 23
P08	BLEACHER PAD CONCRETE, REFER TO BLEACHER MANUFACTURER FOR REQUIREMENTS
P09	GRAVEL SURFACING REFER TO SITE DETAIL 8/L606
P10	SYNTHETIC TURF ON CONCRETE, STANDARD DUTY, REFER TO SITE DETAILS 1-3/L600 AND SPEC. 32 91 16 (2.1)(B) BATTING TUNNELS
P11	TRACK PAVEMENT, RESURFACE REFER TO SPEC. 32 18 23
P12	TRACK PAVEMENT, RESURFACE REFER TO SPEC. 32 18 23

	RAMPS
KEY	DESCRIPTION / REFERENCE
R01	ONE WAY DIRECTIONAL CURB RAMP, REFER TO SITE DETAIL 1/L606 AND CIVIL SPECIFICATIONS
R02	PERPENDICULAR CURB RAMP, REFER TO SITE DETAIL 2/L606 AND CIVIL SPECIFICATIONS

	SITE STRUCTURES
KEY	DESCRIPTION / REFERENCE
S01	JUNIOR VARSITY BASEBALL DUGOUT FIRST BASE SIDE, REFER TO SITE DETAILS 1-5/L602 AND SPEC. 32 91 16
S02	JUNIOR VARSITY BASEBALL DUGOUT THIRD BASE SIDE, REFER TO SITE DETAILS 1/L602 AND1-2, AND 4-5/L603 AND SPEC. 32 91 16
S03	VARSITY AND JUNIOR VARSITY SOFTBALL DUGOUT FIRST BASE SIDE, EXISTING DUGOUT TO REMAIN
S04	VARSITY AND JUNIOR VARSITY SOFTBALL DUGOUT THIRD BASE SIDE, EXISTING DUGOUT TO REMAIN
S05	STAIR, 2-STEP, WITH HANDRAILS, REFER TO SPECS. 05 52 13 AND 03 30 01

	WALLS
KEY	DESCRIPTION / REFERENCE
W0	MASONRY PIER, REFER TO SITE DETAILS 3/L603 & 2-3/L604 FOR ORNAMENTAL FENCE ATTACHMENT AND MASONRY PIER
W02	JUNIOR VARSITY BASEBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAILS 13/L600 AND 1-2/L601
W03	VARSITY SOFTBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAIL 13/L600 AND 3-4/L601
W04	JUNIOR VARSITY SOFTBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAIL 13/L600 AND 5-6/L601
W05	WALL, 2'-0" WIDE SEAT WALL REFER TO SITE DETAILS 9/L601 AND 4/L605

LANCER ASSOCIATES ARCHITECTURE
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INDIANAPOLIS, IN 46203

context DESIGN
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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

FREDDIE J. PRAZEAU
REGISTERED
No. 2020–0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12–31–2027

REVISIONS:	#	Date	Desc.
	1	xx/xx/2026	Addendum 01

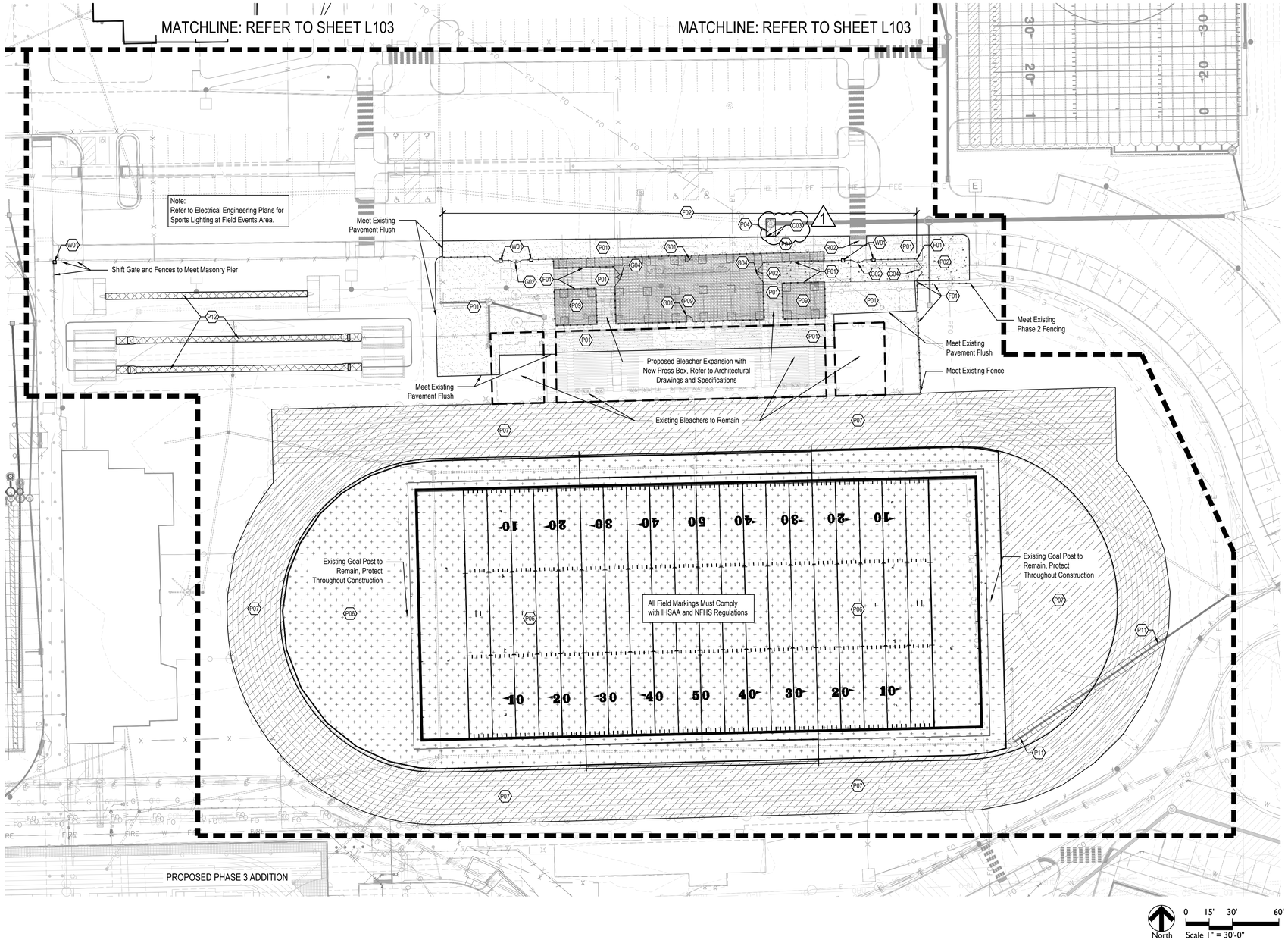
CONSTRUCTION DOCUMENTS

PROJECT:	#22130
DATE:	02-09-2026
DRAWN BY:	MA, CH

SITE MATERIALS PLAN

L103

PLOT DATE/TIME



	ATHLETIC COMPONENTS
KEY	DESCRIPTION / REFERENCE
A01	FOUL POLE, ORANGE, REFER TO SITE DETAIL 7/L601 AND SPEC. 11 68 33.33
A02	PITCHING SCREEN REFER TO SPEC. 32 91 16
A03	BASEBALL BATTERS BOX REFER TO DETAIL 12/L600
A04	SOFTBALL BATTERS BOX REFER TO DETAIL 11/L600
A05	BASE REFER TO SPEC. 32 91 16
A06	HOME PLATE REFER TO SPEC. 32 91 16
A07	TURF PITCHERS MOUND REFER TO SPEC. 32 91 16
A08	SCOREBOARD OWNER PROVIDED
A09	BASEBALL BLEACHER WITH PRESS BOX (APPROXIMATELY 500 SEATS) REFER TO SPEC. 13 34 19 AND 13 12 23
A10	VARSITY SOFTBALL BLEACHER (APPROXIMATELY 300 SEATS) REFER TO SPEC. 13 34 30

	CURBS
KEY	DESCRIPTION / REFERENCE
C01	PERIMETER NAILER CURB REFER TO SITE DETAIL 9/L600
C02	PERIMETER NAILER CURB WITH FENCING REFER TO SITE DETAIL 10/L600
C03	STRAIGHT CONCRETE CURB REFER TO SITE DETAIL 8/L606

	RELOCATED BLEACHERS
KEY	DESCRIPTION / REFERENCE
B1	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B2	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B3	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS
B4	RELOCATED BLEACHER PER CIVIL DEMOLITION PLANS

	FENCING
KEY	DESCRIPTION / REFERENCE
F01	6'-0" HT. CHAIN-LINK FENCE, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F02	6'-0" HT.ORNAMENTAL FENCE, BLACK, REFER TO SPEC. 32 31 13
F03	8'-0" HT. CHAIN-LINK FENCE, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F04	8'-0" HT. CHAIN-LINK FENCE WITH ORANGE TOPPER, VINYL COATED, BLACK, REFER TO SPEC. 32 31 13
F05	4'-0" HT. CHAIN-LINK FENCE, BLACK REFER TO SPEC. 32 31 13
F06	BASEBALL BATTING CAGE NETTING REFER TO SPEC. 11 68 33.33
F07	BARRIER NETTING REFER TO SPEC. 32 35 00

	SITE FURNISHINGS
KEY	DESCRIPTION / REFERENCE
F08	BACKSTOP TIE-BACK POST, REFER TO SITE DETAIL 14/L600 AND SPEC. 11 68 33.33
F09	STEEL PIPE BOLLARD WITH CONCRETE FILL REFER TO SITE DETAIL 15/L600

	GATES
KEY	DESCRIPTION / REFERENCE
G01	SINGLE LEAF SWING GATE, 4'-0" OPENING, MATCH HEIGHT OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G02	DOUBLE LEAF ORNAMENTAL SWING GATE, 8'-0" OPENING, MATCH HEIGHT. OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G03	DOUBLE LEAF CHAIN LINK SWING GATE, 8'-0" OPENING, MATCH HEIGHT. OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G04	DOUBLE LEAF CHAIN LINK SWING GATE, 12'-0" OPENING, MATCH HEIGHT. OF ADJACENT FENCING, REFER TO SPEC. 32 31 13
G05	VEHICULAR SLIDING GATE, 25'-0" OPENING, REFER TO SPEC. 32 31 13

	PAVEMENTS
KEY	DESCRIPTION / REFERENCE
P01	CONCRETE, STANDARD DUTY REFER TO DETAILS 1-3/L600 AND SPEC. 32 13 13
P02	CONCRETE, HEAVY DUTY REFER TO DETAILS 2-4/L600 AND SPECIFICATION 32 13 13
P03	LIGHT DUTY ASPHALT PAVEMENT, REFER TO SITE DETAIL 5/L606 AND CIVIL SPECIFICATIONS
P04	HEAVY DUTY ASPHALT PAVEMENT, REFER TO SITE DETAIL 6/L606 AND CIVIL SPECIFICATIONS
P05	MILL AND OVERLAY PAVEMENT REFER TO SITE DETAIL 7/L606 AND CIVIL SPECIFICATIONS

	PAVEMENTS, SPECIALTY
KEY	DESCRIPTION / REFERENCE
P06	SYNTHETIC TURF - BASEBALL & SOFTBALL FIELDS, REFER TO SITE DETAIL 5/L600 AND SPEC. 32 91 16
P07	TRACK PAVEMENT, MILL & RESURFACE, REFER TO SITE DETAILS 6,8/L600 AND SPEC. 32 18 23
P08	BLEACHER PAD CONCRETE, REFER TO BLEACHER MANUFACTURER FOR REQUIREMENTS
P09	GRAVEL SURFACING REFER TO SPEC. 32 11 23
P10	SYNTHETIC TURF ON CONCRETE, STANDARD DUTY, REFER TO SITE DETAILS 1-3/L600 AND SPEC. 32 91 16 (2 1/8) BATTING TUNNELS
P11	TRACK PAVEMENT, RESURFACE REFER TO SITE DETAIL 7/L600 AND SPEC. 32 18 23
P12	TRACK PAVEMENT, RESURFACE REFER TO SPEC. 32 18 23

	RAMPS
KEY	DESCRIPTION / REFERENCE
W01	ONE WAY DIRECTIONAL CURB RAMP, REFER TO SITE DETAIL 1/L606 AND CIVIL SPECIFICATIONS
W02	PERPENDICULAR CURB RAMP, REFER TO SITE DETAIL 2/L606 AND CIVIL SPECIFICATIONS

	SITE STRUCTURES
KEY	DESCRIPTION / REFERENCE
S01	JUNIOR VARSITY BASEBALL DUGOUT FIRST BASE SIDE, REFER TO SITE DETAILS 1-5/L602 AND SPEC. 32 91 16
S02	JUNIOR VARSITY BASEBALL DUGOUT THIRD BASE SIDE, REFER TO SITE DETAILS 1/L602 AND1-2, AND 4-5/L603 AND SPEC. 32 91 16
S03	VARSITY AND JUNIOR VARSITY SOFTBALL DUGOUT FIRST BASE SIDE, EXISTING DUGOUT TO REMAIN
S04	VARSITY AND JUNIOR VARSITY SOFTBALL DUGOUT THIRD BASE SIDE, EXISTING DUGOUT TO REMAIN
S05	STAIR, 2-STEP, WITH HANDRAIL, REFER TO AND 03 30 01

	WALLS
KEY	DESCRIPTION / REFERENCE
W03	MASONRY PIER, REFER TO SITE DETAILS 3/L603 & 2-3/L604 FOR ORNAMENTAL FENCE ATTACHMENT AND MASONRY PIER
W04	JUNIOR VARSITY BASEBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAILS 13/L600 AND 1-2/L601
W05	VARSITY SOFTBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAIL 13/L600 AND 3-4/L601
W06	JUNIOR VARSITY SOFTBALL MASONRY BACKSTOP WALL WITH NETTING, REFER TO SITE DETAIL 13/L600 AND 5-6/L601
W08	WALL, 2'-0" WIDE SEAT WALL REFER TO SITE DETAILS 9/L601 AND 4/L605

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

context DESIGN
5825 Lawton Loop East Drive | Indianapolis, IN 46216
317-485-6900 | www.context-design.com

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

FREDDIE J. PRAZEAU REGISTERED No. 2020-0052 STATE OF INDIANA LANDSCAPE ARCHITECT
EXPIRES 12-31-2027

REVISIONS:			
	#	Date	Desc.
	1	xx/xx/2026	Addendum 01

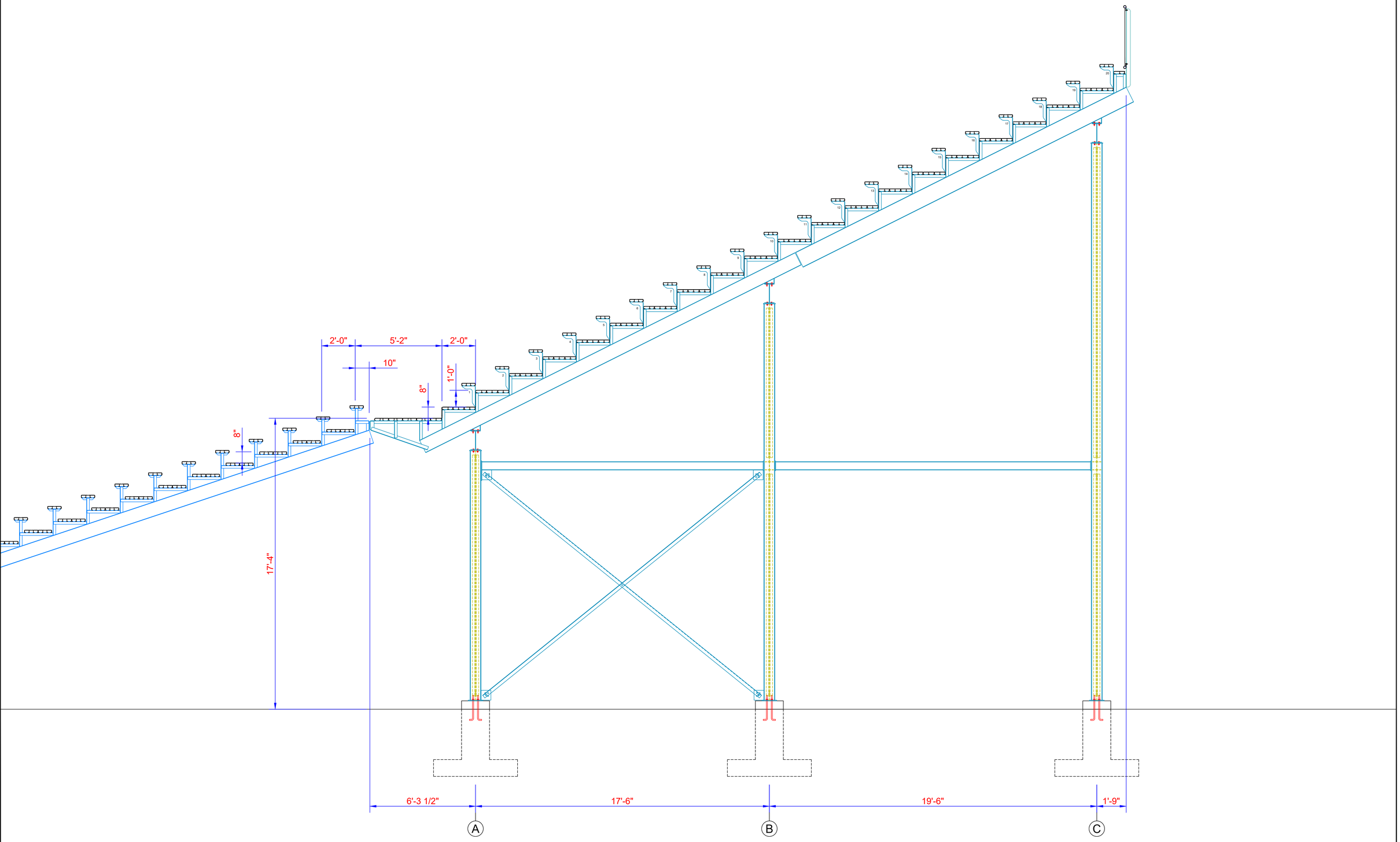
CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 02-09-2026
DRAWN BY: MA, CH

SITE MATERIALS PLAN

L104

PLOT DATE/TIME



1 SECTION THROUGH SEATING - HOME SIDE NTS

LETTER	REVISIONS	BY	DATE

E & D SPECIALTY STANDS, INC.
MANUFACTURERS OF QUALITY GRANDSTANDS AND SEATING
2081 FRANKLIN ST. - P.O. BOX 700
NORTH COLLINS, NEW YORK 14111
716-337-0161 · 1-800-525-8515
FAX 716-337-3436

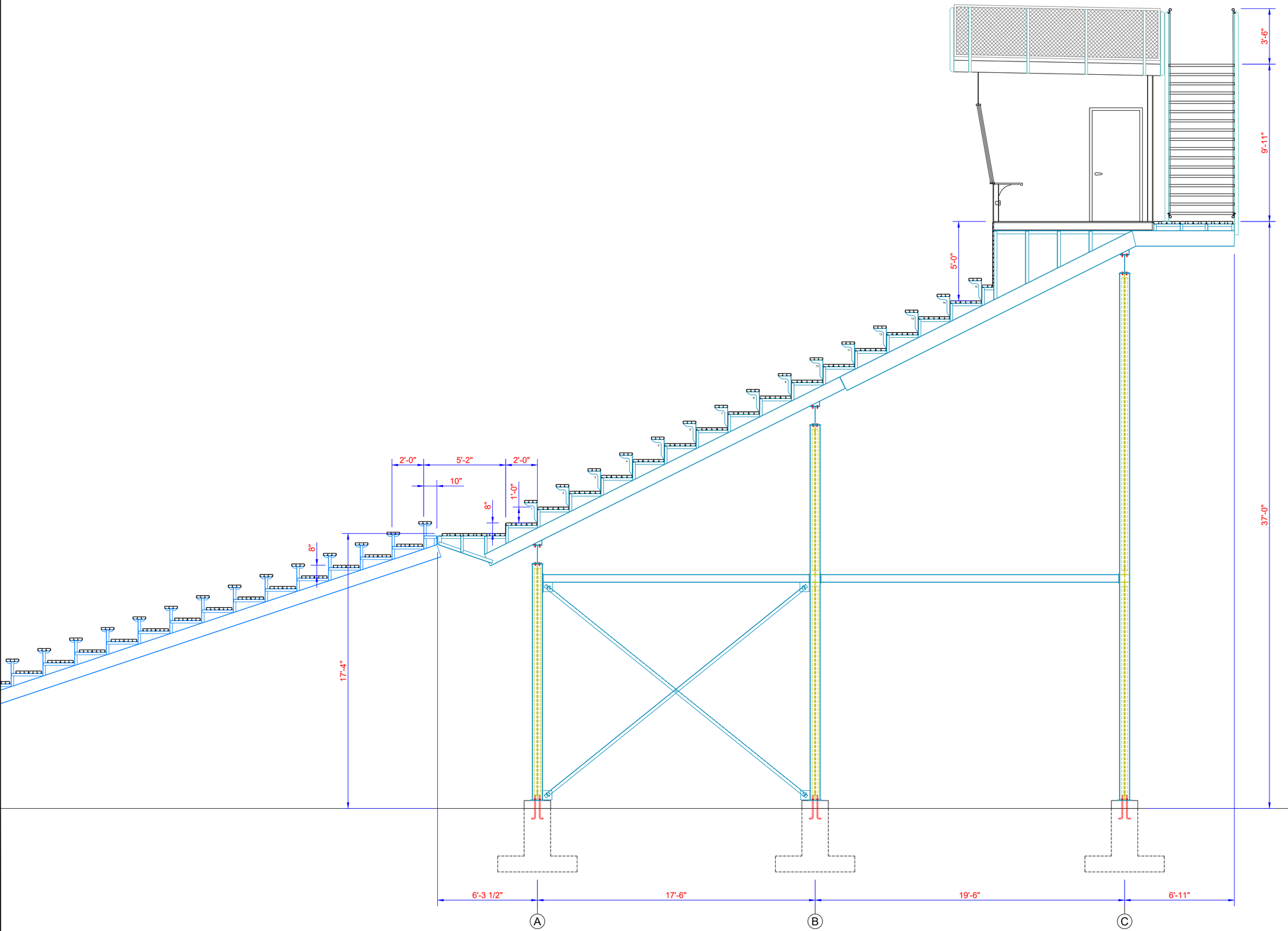
WHITELAND HIGH SCHOOL
WHITELAND, INDIANA

UNDERSTRUCTURE:

SCALE: AS NOTED	REFERENCE DWG.
DRAWN BY: JW	CHECKED BY:
DRAWN DATE: 03-06-26	CHECKED DATE:

PROJECT NUMBER: 26Q052

DRAWING NUMBER: 2



1 SECTION THROUGH SEATING AT PRESS BOX - HOME SIDE NTS

LETTER	REVISIONS	BY	DATE

E & D SPECIALTY STANDS, INC.
MANUFACTURERS OF QUALITY GRANDSTANDS AND SEATING
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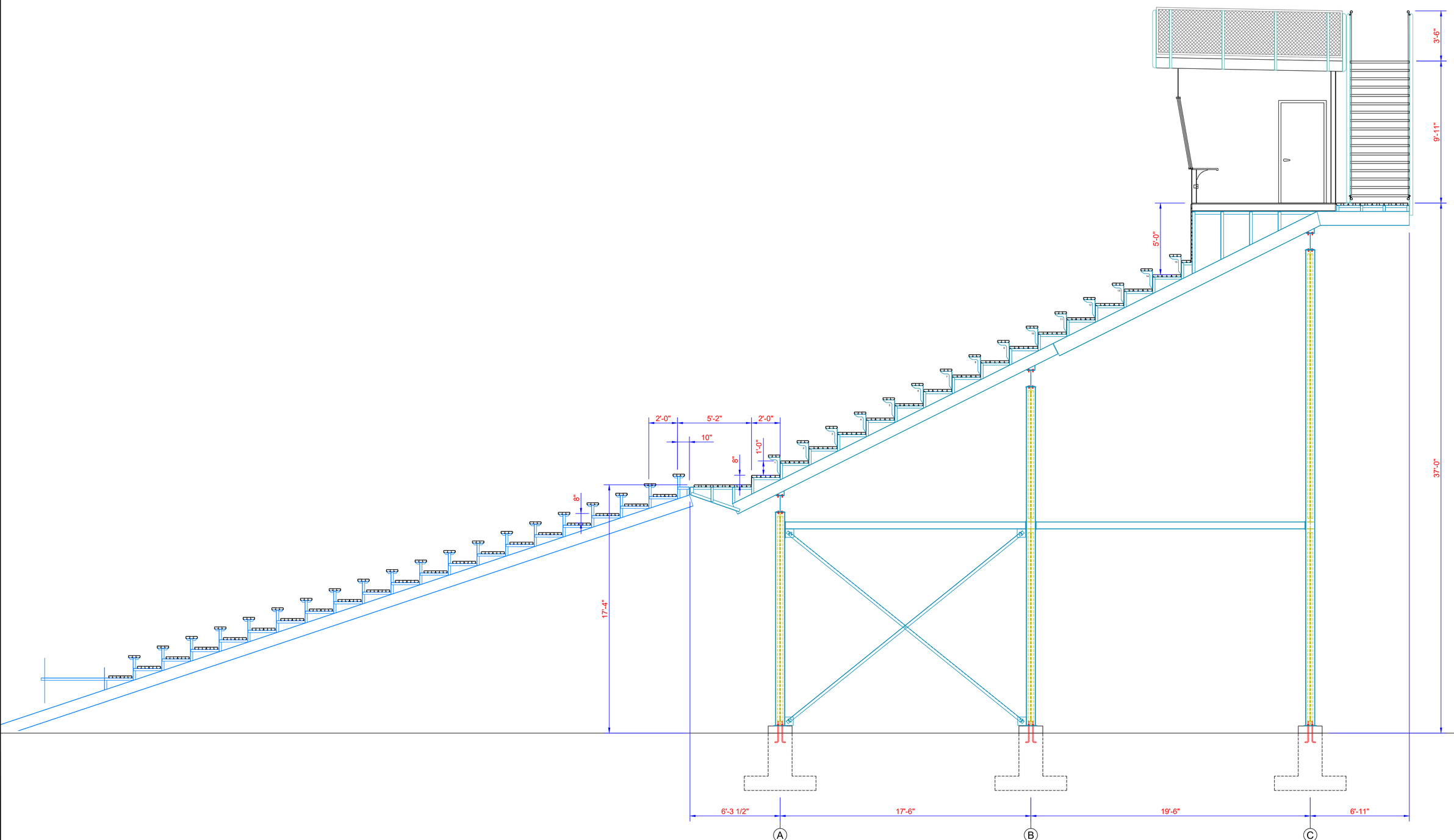
WHITELAND HIGH SCHOOL
WHITELAND, INDIANA

UNDERSTRUCTURE:

SCALE:	REFERENCE DWG.
AS NOTED	
DRAWN BY:	CHECKED BY:
JW	
DRAWN DATE:	CHECKED DATE:
03-06-26	

PROJECT NUMBER: 26Q052

DRAWING NUMBER: 2A



1 | SECTION THROUGH EXISTING & NEW SEATING - HOME SIDE | NTS

LETTER	REVISIONS	BY	DATE

E & D SPECIALTY STANDS, INC.
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WHITELAND HIGH SCHOOL
WHITELAND, INDIANA

UNDERSTRUCTURE:

SCALE:	REFERENCE DWG.
AS NOTED	
DRAWN BY:	CHECKED BY:
JW	
DRAWN DATE:	CHECKED DATE:
03-06-26	

PROJECT NUMBER: 26Q052

DRAWING NUMBER: 2B