Parking Lot Improvements 2026 at:

Piqua High School

1 Indian Trail
Piqua, OH 45356

OWNER

PIQUA CITY SCHOOLS
#WEAREPIQUA

215 Looney Road
Piqua, OH 45356

DESIGN TEAM

ARCHITECT:

RDA GROUP ARCHITECTS
7662 PARAGON ROAD | DAYTON, OH 45459 | 937.610.3440

CIVIL ENGINEER

BURKHARDT
ENGINEERS ▾ SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0060 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

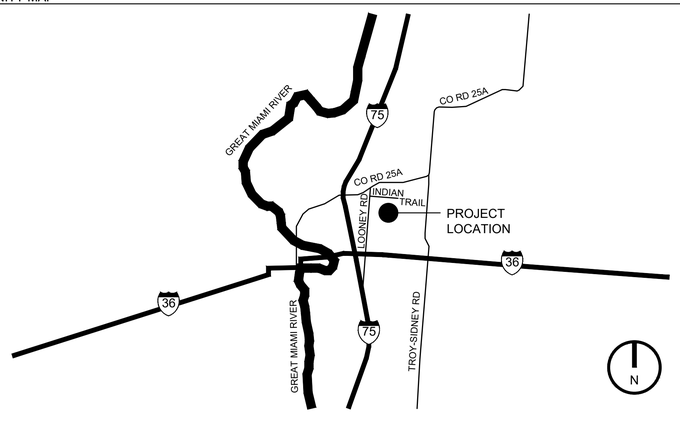
PME ENGINEER

L2 ENGINEERING
7949 Washington Woods Drive
Dayton, OH 45459
937.361.6731

SHEET INDEX

G1.1	PROJECT TITLE SHEET
G1.2	OVERALL REFERENCE SITE PLAN
C-0.0	COVER SHEET
C-0.1	GENERAL NOTES
C-1.0	NORTH EX. CONDITIONS & DEMO PLAN
C-1.1	SOUTH EX. CONDITIONS & DEMO PLAN
C-1.2	EAST EX. CONDITIONS & DEMO PLAN
C-2.0	NORTH SITE PLAN
C-2.1	SOUTH SITE PLAN
C-2.2	EAST SITE PLAN
C-3.0	NORTH GRADING PLAN
C-3.1	SOUTH GRADING PLAN
C-3.2	EAST GRADING PLAN
C-4.0	NORTH UTILITY PLAN
C-4.1	SOUTH UTILITY PLAN
C-4.2	EAST UTILITY PLAN
C-4.3	UTILITY PROFILES
C-5.0	SITE DETAILS
C-5.1	SITE DETAILS
C-6.0	NORTH SWPPP PLAN
C-6.1	SOUTH SWPPP PLAN
C-6.2	EAST SWPPP PLAN
C-6.3	SWPPP NOTES & DETAILS
A1.1	BOLLARD PLAN / DETAILS
A1.2	FENCING PLAN / DETAILS
E0.1	ELECTRICAL LEGEND, SCHEDULES, GENERAL NOTES, AND DETAILS
E0.2	ELECTRICAL SPECIFICATIONS
E1.0	OVERALL SITE LIGHTING PLAN
E1.1	FOOTBALL LOT - SITE LIGHTING
E1.2	TENNIS LOT - SITE LIGHTING

VICINITY MAP



CODE REVIEW

PROJECT DESCRIPTION:

1. CONSTRUCTION OF A NEW ASPHALT PARKING LOT TO THE NORTH OF THE FOOTBALL STADIUM.
2. CONSTRUCTION OF A NEW ASPHALT DRIVE TO THE WEST OF THE FOOTBALL STADIUM SOUTH TO THE STORAGE BUILDING.
3. CONSTRUCTION OF A NEW ASPHALT DROP OFF AREA TO THE EAST OF THE FOOTBALL STADIUM.
4. CONSTRUCTION OF A NEW ASPHALT PARKING LOT TO THE NORTH OF THE TENNIS COURTS. [ADD ALT. #1 / ADD ALT. #3]
5. SITE AND STORM DRAINAGE IMPROVEMENTS.

AUTHORITY HAVING JURISDICTION:
ZONING PERMIT - CITY OF PIQUA
BUILDING PERMIT - MIAMI COUNTY

ZONING CODE:
CITY OF PIQUA

BUILDING CODE:
2024 OEBC [OHIO EXISTING BUILDING CODE]
2024 OBC [OHIO BUILDING CODE]

CHAPTER 18: SOILS
TABLE 1806.2: SOIL BEARING CAPACITY: REFER TO THE GEO-TECHNICAL REPORT #20006428-0326-053 AS PREPARED BY BOWSER MORNER DATED MARCH 10, 2026.

GENERAL PROJECT NOTES

SECTION 01 00 00: GENERAL REQUIREMENTS

1. PERMITS:
   - 1.1. CONFORM TO THE 2024 OHIO EXISTING BUILDING CODE AND 2024 OHIO BUILDING CODE, AND ALL OTHER LOCAL GOVERNING CODES AND ORDINANCES HAVING THE AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK.
   - 1.2. VERIFY ALL PERMITS HAVE BEEN APPROVED BY APPROPRIATE AGENCIES PRIOR TO START OF CONSTRUCTION. NO CONSTRUCTION OR FABRICATION OF ANY ITEMS SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY DOCUMENTATION FROM ALL OF THE PERMITTING AND REGULATORY AUTHORITIES. FAILURE OF THE CONTRACTOR TO FOLLOW THIS PROCEDURE SHALL CAUSE THE CONTRACTOR TO ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATION OF THE WORK MANDATED BY AN REGULATORY AUTHORITY.
   - 1.3. PAY FOR ALL REQUIRED PERMITS. WORK SHALL NOT BEGIN UNTIL ALL NECESSARY PERMITS ARE OBTAINED.
   - 1.4. ARCHITECT IS NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM WORK STARTED PRIOR TO OBTAINING ALL PERMITS / GOVERNING AGENCIES APPROVALS.
   - 1.5. MAINTAIN A COPY OF APPROVED PERMIT DRAWINGS ON-SITE FOR INSPECTION PURPOSES. COORDINATE WITH BUILDING DEPARTMENT.
   - 1.6. NOTIFY THE BUILDING DEPARTMENT WHEN WORK IS READY FOR INSPECTION. FOLLOW ALL REQUIREMENTS OF BUILDING DEPARTMENT. PROVIDE ACCESS FOR ALL INSPECTORS.
   - 1.7. MAINTAIN RECORDS OF INSPECTIONS ON THE JOB SITE IN ACCORDANCE WITH REQUIREMENTS OF BUILDING DEPARTMENT.
   - 1.8. PAY ALL FEES REQUIRED BY INSPECTIONS, EXCEPT FOR INSPECTIONS MADE BY OWNER OR IT'S AGENTS.
   - 1.9. COMPLETE ALL WORK TO THE HIGHEST STANDARDS OF CRAFTSMANSHIP BY EACH RESPECTIVE TRADE.
2. TESTING / INSPECTION ALLOWANCES: CLIENT / OWNER WILL PROCURE TESTING AND SPECIAL INSPECTION FIRM AS REQUIRED BY CONDITIONS AND INTENT INDICATED ON DRAWINGS. CONTRACTOR TO COORDINATE ALL INSPECTIONS.
3. TRASH / DEBRIS: PROVIDE ALL REQUIRED TRASH DUMPSTERS, HAULING, ETC. AS REQ'D FOR THE PROJECT. KEEP JOB SITE CLEAN DURING CONSTRUCTION. PERIODICALLY AND PROMPTLY REMOVE ALL DEBRIS FROM SITE IN A LEGAL MANNER.
4. FINAL CLEANING: PROVIDE FINAL CLEANING PRIOR TO FINAL INSPECTION AND TURN OVER OF THE PROJECT.
5. CONSTRUCTION SAFETY: CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SAFETY; COMPLIANCE TO BE IN ACCORDANCE WITH ALL STATE, FEDERAL, AND O.S.H.A. REGULATIONS. ARCHITECT AND CONTRACTORS ARE NOT RESPONSIBLE FOR ANY DAMAGES RESULTING FROM THE NEGLECT OF TIMELY AND RESPONSIBLE MAINTENANCE OF THE PROJECT BY THE OWNER AFTER PROJECT COMPLETION.
   - 5.1. ALL FIRE EXITS ARE TO REMAIN CLEAR AND OPEN DURING ALL PHASES OF CONSTRUCTION IF APPLICABLE.
   - 5.2. TEMPORARY PROTECTION / BARRICADES: ERECT ALL REQ'D TEMPORARY PROTECTION AND BARRICADES TO ALLOW CONTINUED USE OF THE FACILITY. COORDINATE WITH CLIENT / OWNER AS REQ'D.
6. FIRE PREVENTION: PROVIDE FIRE EXTINGUISHERS AT THE JOBSITE. PROVIDE FIRE WATCH FOR ALL HOT WORK ACTIVITIES INCLUDING CUTTING, WELDING, AND OTHER CONSTRUCTION OPERATIONS THAT ARE CAPABLE OF STARTING FIRES. CONFORM TO OWNER AND FIRE DEPARTMENT REQUIREMENTS.
7. TEMPORARY UTILITIES:
   - 7.1. UTILIZE EXISTING ELECTRIC SERVICE, WATER, AND HVAC IF AVAILABLE.
   - 7.2. PROVIDE TEMPORARY LIGHTING FOR CONSTRUCTION PURPOSES.
   - 7.3. PROVIDE TEMPORARY VENTILATION, FILTRATION MEDIA, ETC. AS REQ'D TO PROPERLY VENTILATE THE CONSTRUCTION AREA AS WELL AS TO PREVENT DUST, DIRT, DEBRIS FROM ENTERING OTHER PORTIONS OF THE FACILITY.
   - 7.4. PROVIDE PORTABLE TOILET FACILITIES FOR CONSTRUCTION PURPOSES.
8. PRODUCTS:
   - 8.1. INSTALL ALL MATERIALS, EQUIPMENT, APPLIANCES, ETC. ACCORDING TO MANUFACTURERS SPECIFICATIONS, RECOMMENDATIONS, AND INSTRUCTIONS, WHETHER A COMPLETE SYSTEM OR A COMPONENT PART OF A COMPLETE CONSTRUCTION SYSTEM.
   - 8.2. CLIENT / OWNER TO COORDINATE AND SELECT ALL FINAL FINISHES / SELECTIONS. COORDINATE ALL REQUIREMENTS OF FINISH SELECTIONS, AND CORRELATION BETWEEN FINISHES, TRIM COMPONENTS, ETC. PROVIDE MOCKUPS OF WORK/FINISHES AS APPLICABLE TO ENSURE CONFORMANCE WITH THE DESIGN INTENT.
   - 8.3. COMPLY WITH ALL ACCESSIBILITY / ADA REQUIREMENTS. ENSURE ALL WORK, FINISHES, FIXTURES, AND ACCESSORIES ARE PROVIDED AND INSTALLED TO ENSURE COMPLIANCE.
   - 8.4. ITEMS MAY BE REFERRED TO AS SINGULAR, OR PLURAL ON THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR TO DETERMINE QUANTITY OF EACH ITEM REQUIRED.
9. COORDINATION:
   - 9.1. COORDINATE ALL SPECIFIC WORK / SCOPE ITEMS WITH CLIENT.
   - 9.2. COORDINATE ALL WORK / SCOPE BETWEEN SUB-CONTRACTORS, SUPPLIERS, AND VENDORS BASED ON THE ENTIRE SET OF DOCUMENTS. PROVIDE ANY REQ'D ADAPTATIONS TO ACCOMMODATE FIELD CONDITIONS PRIOR TO ORDERING, FABRICATION, OR INSTALLATION.
   - 9.3. PROVIDE FULL SET OF CONSTRUCTION DOCUMENTS TO ALL SUB-CONTRACTORS.
   - 9.4. NO ADDITIONAL COMPENSATION TO CONTRACTOR FOR ISSUES RESULTING FROM THE USE OF AN INCOMPLETE SET OF CONSTRUCTION DOCUMENTS.
   - 9.5. NOTIFY ARCHITECT IMMEDIATELY IN WRITING OF ERRORS, OMISSIONS, INCONSISTENCIES, OR DISCREPANCIES BETWEEN CONTRACT DOCUMENTS, DRAWINGS, SPECIFICATIONS, ETC. PRIOR TO PROCEEDING WITH WORK. ANY SITE / JOB CONDITIONS THAT ARISE AND CAUSE CONTRACTOR TO VARY FROM CONTRACT DOCUMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR IF NOT REPORTED TO ARCHITECT PRIOR TO PROCEEDING.
   - 9.6. DO NOT SCALE DRAWINGS
   - 9.7. "N.I.C." INDICATES WORK AND / OR MATERIALS NOT IN THE CONTRACT OF THE CONTRACTOR. THIS DOES NOT RELIEVE THE CONTRACTOR OF ALL ASPECTS OF COORDINATION.
   - 9.8. EXAMINE AND BECOME FAMILIAR WITH SITE AND JOB CONDITIONS PRIOR TO START OF WORK. VERIFY ALL DIMENSIONS, EXISTING CONDITIONS, INFORMATION IN THE DRAWINGS, AVAILABLE UTILITIES, ETC. GOVERNING THEIR SCOPE OF THE WORK. NOTIFY ARCHITECT IN WRITING OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONTRACT DOCUMENTS. COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF CONDITIONS.
   - 9.9. CONTACT CLIENT OR ARCHITECT REGARDING ALL QUESTIONS OR DISCREPANCIES. COMMUNICATION WITH ARCHITECTS CONSULTANTS OR OTHERS IS NOT CONSIDERED VALID AND ANY RESULTANT CHANGES IN WORK, ADDITIONAL COSTS, APPROVALS, PERMITS, ETC. IS THE CONTRACTOR'S RESPONSIBILITY.
   - 9.10. CONTRACT DOCUMENTS, DRAWINGS, OR DETAILS IN THIS SET MAY INDICATE TYPICAL CONDITIONS WHICH MAY VARY FROM ACTUAL CONSTRUCTION. COORDINATE CONDITIONS / DETAILS WITH CLIENT.

WALL / SYMBOL LEGEND

- # — NEW CONSTRUCTION KEY NOTE
- # / # — SECTION TAG
- N / W A-1 E / S — ELEVATION TAG

THE PLANS AND SPECIFICATIONS ARE INTENDED TO DEPICT THE GENERAL SCOPE, LAYOUT AND QUALITY OF WORKMANSHIP REQUIRED. THE DOCUMENTS ARE NOT AN 'INSTRUCTION MANUAL' TO EXECUTE THE WORK NOR ARE THEY INTENDED TO SHOW OR DESCRIBE IN DETAIL EVERY ITEM NECESSARY FOR THE PROPER INSTALLATION OF THE WORK. THE MEANS AND METHODS REQUIRED TO EXECUTE THE WORK DESCRIBED IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THE ANCILLARY WORK REQUIRED, WHETHER EXPLICITLY STATED OR NOT, FOR THE PROPER COMPLETION OF THE WORK AS INTENDED. THE CONTRACTOR IS REQUIRED TO MEET OR EXCEED BUILDING CODE REQUIREMENTS, APPLICABLE INDUSTRY STANDARDS, ASTM STANDARDS, AND/OR MANUFACTURER INSTALLATION REQUIREMENTS AS THEY RELATE TO THE WORK.

THE PLANS AND SPECIFICATIONS REPRESENT A SINGLE COMPLETE DESIGN PACKAGE INDICATING THE INTENDED SCOPE OF THE PROJECT IN ITS ENTIRETY. AS SUCH, THE PROJECT IS STRUCTURED TO BE AWARDED TO A SINGLE PRIME CONTRACTOR. THE DOCUMENTS DO NOT DELINEATE BID PACKAGES OR ASSIGN RESPONSIBILITIES TO ANY SUBSEQUENT SUBCONTRACTORS, DICTATE CONSTRUCTION SEQUENCING, NOR PROVIDE COORDINATION BETWEEN ANY TRADES. SUCH ACTIVITIES ARE THE RESPONSIBILITY OF THE HOLDER OF THE CONSTRUCTION CONTRACT. IN THE EVENT OF A DISCREPANCY WITHIN THE DRAWINGS OR BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT REPRESENTED IN THE DOCUMENTS SHALL PREVAIL.

RDA CONTRACT ADMINISTRATION

1. RDA IS PROVIDING CONTRACT ADMINISTRATION SERVICES FOR THIS PROJECT. CONTRACTOR AND CLIENT / OWNER ARE RESPONSIBLE TO COORDINATE THE PROPOSED WORK, SCHEDULES, INSTALLATIONS, PERMITS, INSPECTIONS, ETC.
2. CONTACT ARCHITECT FOR CLARIFICATION SHOULD THERE BE QUESTIONS REGARDING THE INTERPRETATION OR INTENT OF THE DOCUMENTS, FIELD DISCOVERY, ETC. THAT WOULD IMPACT OR AFFECT THE WORK AS PROPOSED. RDA IS NOT BE LIABLE FOR DEVIATIONS, FIELD CHANGES, AND CLIENT / OWNER CHANGES DURING CONSTRUCTION.
3. FIELD CONFIRM ALL EXISTING CONDITIONS, PROPOSED INSTALLATIONS AND HOW THEY INTERFACE TO ENSURE THE SYSTEMS CAN BE INSTALLED PER THE INTENT OF THE DOCUMENTS AND TO MEET APPLICABLE BUILDING AND ZONING CODES, LOCAL REQUIREMENTS, CLIENT / OWNER REQUIREMENTS, ETC.
4. MEET ALL APPLICABLE BUILDING AND ZONING CODES REQUIREMENTS WHETHER SPECIFICALLY NOTED HEREIN OR NOT. BUILDING CODES REPRESENT THE MINIMUM ACCEPTABLE STANDARD.
5. INSTALL ALL PRODUCTS, MATERIALS, INSTALLATIONS, AND THE LIKE IN ACCORDANCE WITH APPLICABLE INDUSTRY STANDARDS, APPLICABLE MANUFACTURER'S DETAILS AND INSTRUCTIONS, IN ACCORDANCE WITH BEST PRACTICES, AND BUILDING CODE PROVISIONS.

ABBREVIATIONS

°	DEGREES	FD	FLOOR DRAIN	R / RAD	RADIUS
±	PLUS OR MINUS	FDN	FOUNDATION	RA	RETURN AIR
≠	NOT EQUAL	FE	FIRE EXTINGUISHER	RB	RUBBER BASE
Ø	DIAMETER	FEC	FIRE EXTINGUISHER CABINET	RD	ROOF DRAIN
∠	ANGLE	FF	FINISH FLOOR	REF	REFRIGERATOR
℄	CENTERLINE	FIN	FINISH / FINISHED	REINF	REINFORCE
℄	PROPERTY LINE	FRT	FIRE RETARDANT TREATED	REQ'D	REQUIRED
ABV	ABOVE	FSE	FOOD SERVICE EQUIPMENT	REQ'MT	REQUIREMENT[S]
ADA	ACCESSIBLE / HANDICAP ACCESSIBLY / ACCESSIBILITY - ANSI ICC-117.1	FTG	FOOTING	REV	REVISION
		FV	FIELD VERIFY	RO	ROUGH OPENING
AFF	ABOVE FINISH FLOOR	GA	GAUGE	R/W	RIGHT OF WAY
ALT	ALTERNATE	GALV	GALVANIZED	SALV	SALVAGED
ALUM	ALUMINUM	GC	GENERAL CONTRACTOR	SF	SQUARE FEET
APPROX	APPOXIMATE	GYP	GYPSUM	SIM	SIMILAR
ATC	ACOUSTIC TILE CEILING	GYP BD	GYPSUM BOARD	SM	SHEET METAL
		HB	HOSE BIBB	SPEC	SPECIFICATION
BET/BETWN.	BETWEEN	HM	HOLLOW METAL	SQ	SQUARE
BLKG	BLOCKING	HOR	HORIZONTAL	SS	STAINLESS STEEL
BRG	BEARING	HT	HEIGHT	STD	STANDARD
BSMT	BASEMENT	HVAC	HEATING, VENTILATION, AIR CONDITIONING	STL	STEEL
BTM	BOTTOM			T	TEMPERED
		INT	INTERIOR	TBD	TO BE DETERMINED
CIP	CAST IN PLACE			T&B	TOP AND BOTTOM
CJ	CONTROL JOINT	JB	JUNCTION BOX	T&G	TONGUE AND GROOVE
CL	CENTERLINE			T.O.	TOP OF
CLG	CEILING	LL	LIVE LOAD	TR	TREATED
CLR	CLEAR	LLH	LONG LEG HORIZONTAL	TYP	TYPICAL
CMU	CONCRETE MASONRY UNIT	LLV	LONG LEG VERTICAL	UFAS	UNIFORM FEDERAL ACCESSIBILITY STANDARD
COL	COLUMN	LTL	LINTEL	UNO	UNLESS NOTED OTHERWISE
CONC	CONCRETE	MAX	MAXIMUM	UL	UNDERWRITER'S LABORATORY
CONT	CONTINUOUS	MECH	MECHANICAL		
CPT	CARPET	MFR	MANUFACTURER	VB	VAPOR BARRIER
CT	CERAMIC TILE	MIN	MINIMUM	VERT	VERTICAL
DEMO	DEMOLISH / DEMOLITION	MISC	MISCELLANEOUS		
DF	DRINKING FOUNTAIN	MO	MASONRY OPENING	W/	WITH
DIA	DIAMETER	MS	METAL STUD	W/O	WITHOUT
DIM	DIMENSION	MTD	MOUNTED	WD	WOOD
DIV	DIVISION	MTL	METAL	W.P.	WORK POINT
DP	DEEP			WRB	WEATHER RESISTIVE BARRIER
DS	DOWNSPOUT	NIC	NOT IN CONTRACT	WWF	WELDED WIRE FABRIC
DTL	DETAIL	NOM	NOMINAL		
DW	DISHWASHER	NTS	NOT TO SCALE		
DWG	DRAWING				
		OC	ON CENTER		
EA	EACH	OH	OVERHEAD		
EERO	EMERGENCY ESCAPE & RESCUE OPENING	OPG	OPENING		
EIFS	EXTERIOR INSULATION FINISH SYSTEM	OPP	OPPOSITE		
EJ	EXPANSION JOINT	PEMB	PRE-ENGINEERED METAL BUILDING		
ELEC	ELECTRIC / ELECTRICAL	PL	PLATE / PROPERTY LINE		
ELEV	ELEVATION / ELEVATOR	PTD	PAINTED		
EQ	EQUAL				
EQUIP	EQUIPMENT	QT	QUARRY TILE		
EX	EXISTING	QTY	QUANTITY		
EXP	EXPANSION				

STATE OF OHIO
JONATHAN ROBERT SCHAAF
14503
REGISTERED ARCHITECT

Jonathan Robert Schaaf #14503
Expiration Date 12/31/2027

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7662 PARAGON ROAD | DAYTON, OH 45459 | 937.610.3440

Parking Lot Improvements 2206 at:
Piqua High School
1 Indian Trail
Piqua, OH 45356

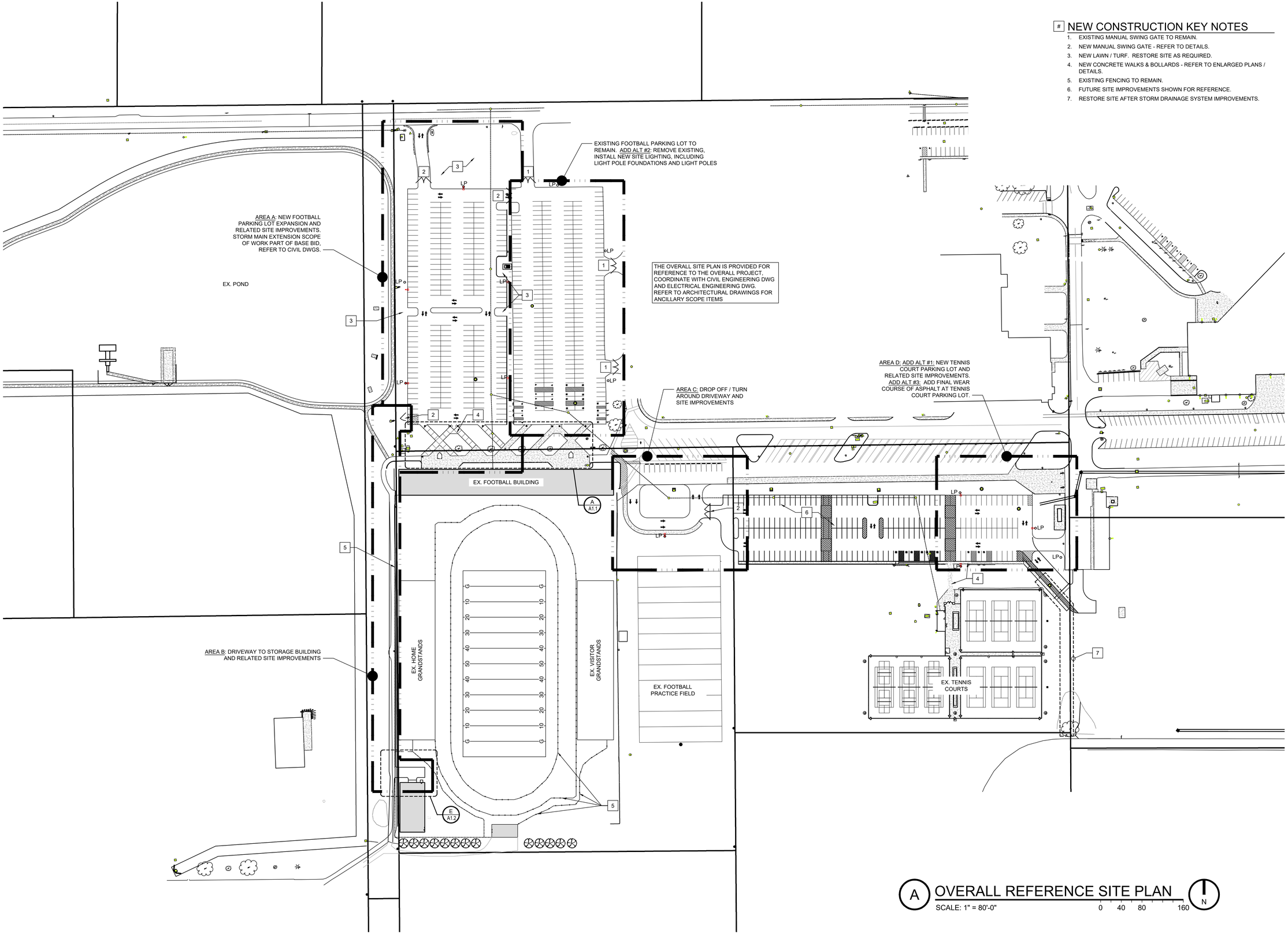
Project Number
2025-167

Date
April 20, 2026

Date	Issue
01.06.26	Review Set
02.20.26	Review Set
03.31.26	Review Set
04.07.26	Review Set
05.01.26	Construction/Bid Set

Sheet Title
Project Title Sheet

Sheet Number
G1.1



NEW CONSTRUCTION KEY NOTES

1. EXISTING MANUAL SWING GATE TO REMAIN.
2. NEW MANUAL SWING GATE - REFER TO DETAILS.
3. NEW LAWN / TURF. RESTORE SITE AS REQUIRED.
4. NEW CONCRETE WALKS & BOLLARDS - REFER TO ENLARGED PLANS / DETAILS.
5. EXISTING FENCING TO REMAIN.
6. FUTURE SITE IMPROVEMENTS SHOWN FOR REFERENCE.
7. RESTORE SITE AFTER STORM DRAINAGE SYSTEM IMPROVEMENTS.

A OVERALL REFERENCE SITE PLAN

SCALE: 1" = 80'-0" 0 40 80 160

N

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Parking Lot Improvements 2206 at:
Piqua High School
1 Indian Trail
Piqua, OH 45356

Project Number	2025-167
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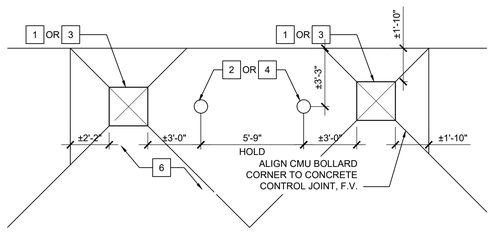
Date	Issue
01.06.26	Review Set
02.20.26	Review Set
03.31.26	Review Set
04.07.26	Review Set
05.01.26	Construction/Bid Set

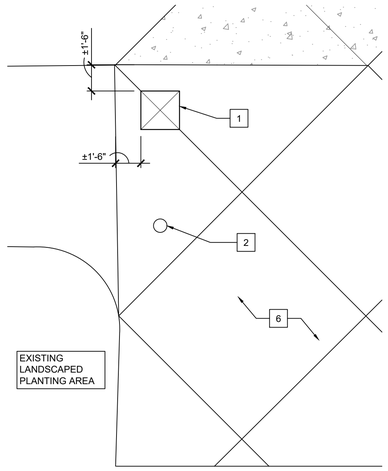
Sheet Title
Overall Reference Site Plan

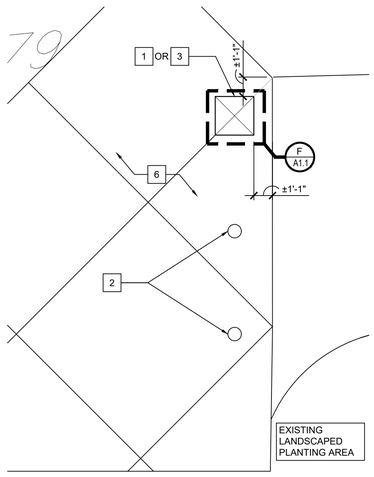
Sheet Number
G1.2



H NORTH BOLLARD LAYOUT

SCALE: 1/4" = 1'-0" 0 2 4 8





B WEST BOLLARD LAYOUT

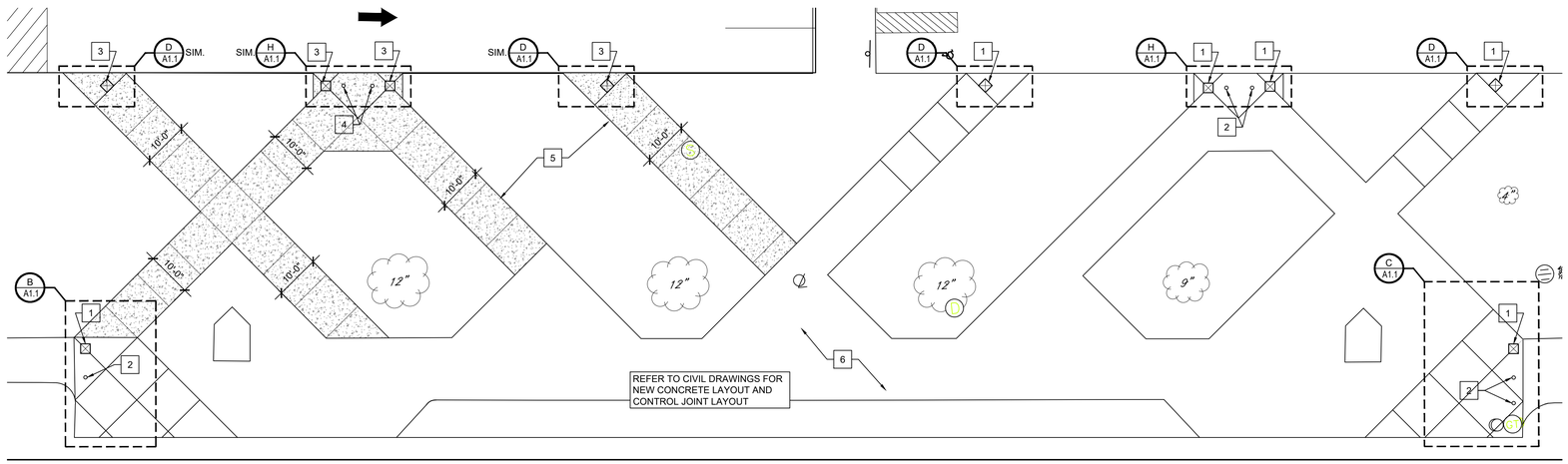
SCALE: 1/4" = 1'-0" 0 2 4 8

C EAST BOLLARD LAYOUT

SCALE: 1/4" = 1'-0" 0 2 4 8

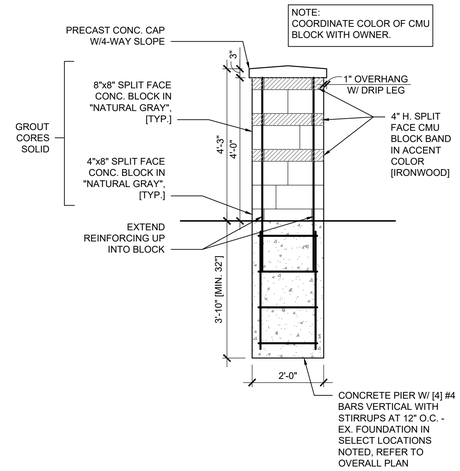
D ANGLED BOLLARD LAYOUT

SCALE: 1/4" = 1'-0" 0 2 4 8



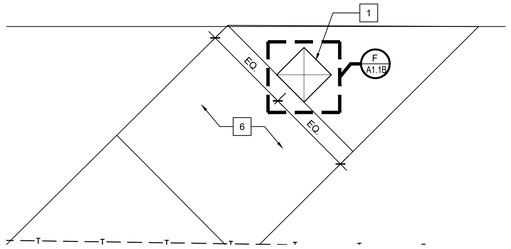
A ENLARGED PLAN AT STADIUM ENTRANCE SHOWING BOLLARD LOCATIONS

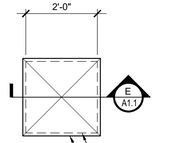
SCALE: 1/16" = 1'-0" 0 8 16 32



E TYP. CMU BOLLARD SECTION

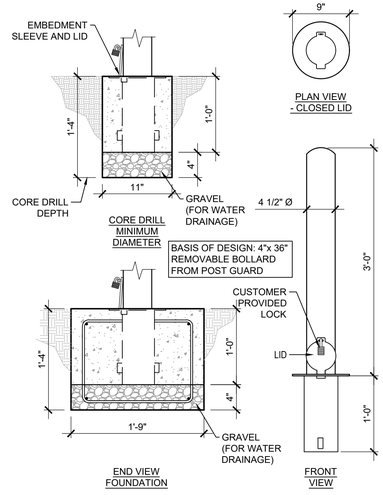
SCALE: 1/2" = 1'-0" 0 1 2 4





F TYP. CMU BOLLARD PLAN

SCALE: 1/2" = 1'-0" 0 1 2 4



NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 5046-025.

G TYP. REMOVABLE BOLLARD

SCALE: 1/2" = 1'-0" 0 1 2 4

Know what's below. Call before you dig.

NEW CONSTRUCTION KEY NOTES

1. NEW CMU BOLLARD SET ON EXISTING PIER FOUNDATION UNDER CONCRETE SIDEWALK.
2. EXISTING REMOVABLE BOLLARD TO REMAIN.
3. NEW CMU BOLLARD WITH NEW PIER FOUNDATION.
4. NEW REMOVABLE BOLLARD.
5. NEW CONCRETE WALK.
6. EX. CONCRETE WALK.

STATE OF OHIO
JONATHAN ROBERT SCHAAF 14503
REGISTERED ARCHITECT

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7662 PARAGON ROAD | DAYTON, OH 45459 | 937.610.3440

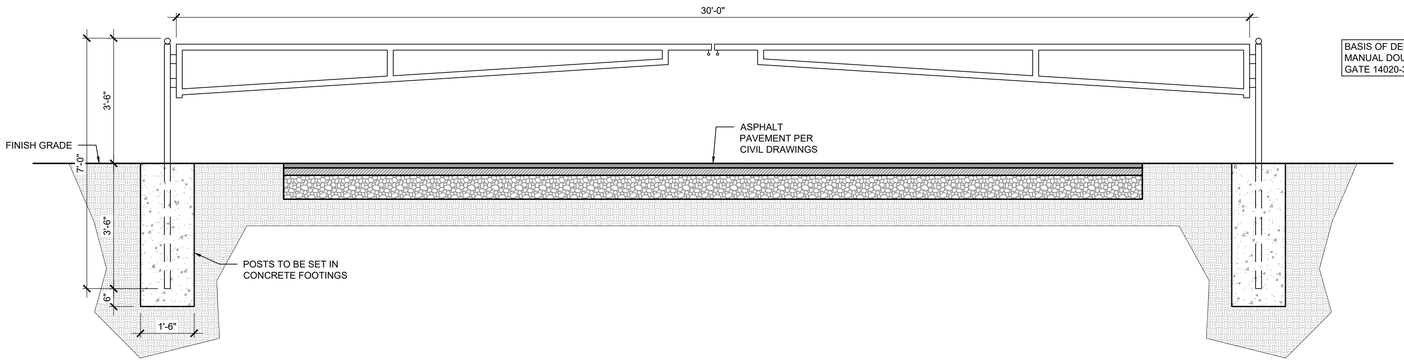
Parking Lot Improvements 2206 at:
Piqua High School
1 Indian Trail
Piqua, OH 45356

Project Number	
2025-167	
Date	
April 20, 2026	

Date	Issue
01.06.26	Review Set
02.20.26	Review Set
03.31.26	Review Set
04.07.26	Review Set
05.01.26	Construction/Bid Set

Sheet Title
Bollard Plan Details

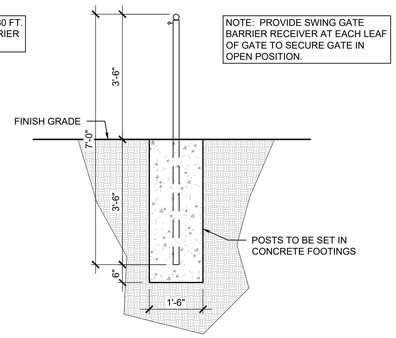
Sheet Number
A1.1



BASIS OF DESIGN: SENTINEL 30 FT. MANUAL DOUBLE SWING BARRIER GATE 14020-30

A MANUAL DOUBLE SWING GATE DETAIL

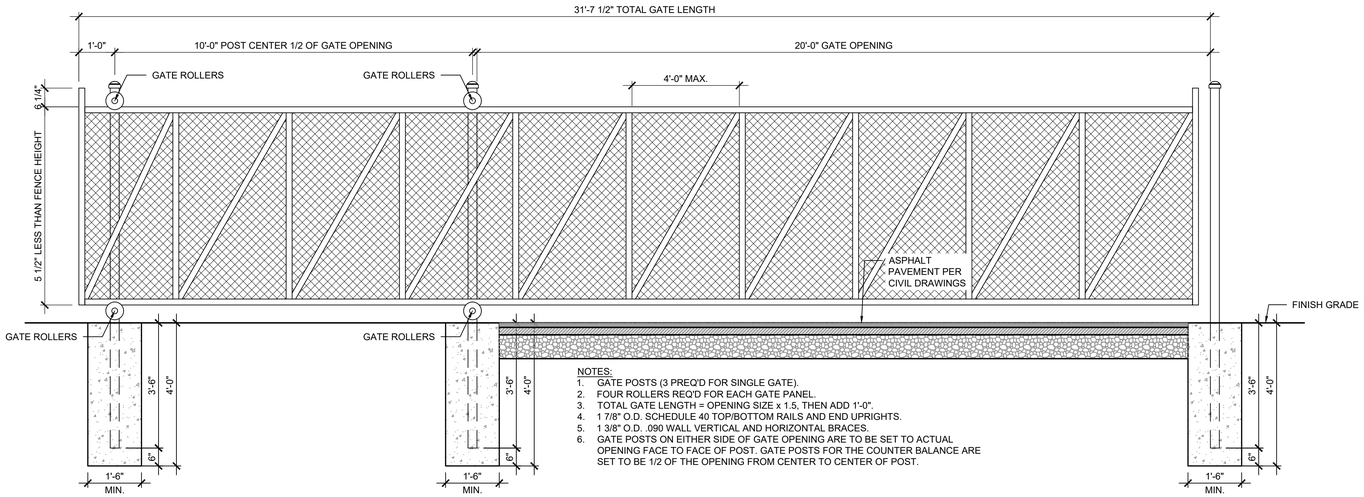
SCALE: 1/4" = 1'-0" 0 2 4 8



NOTE: PROVIDE SWING GATE BARRIER RECEIVER AT EACH LEAF OF GATE TO SECURE GATE IN OPEN POSITION.

B SWING GATE BARRIER RECEIVER

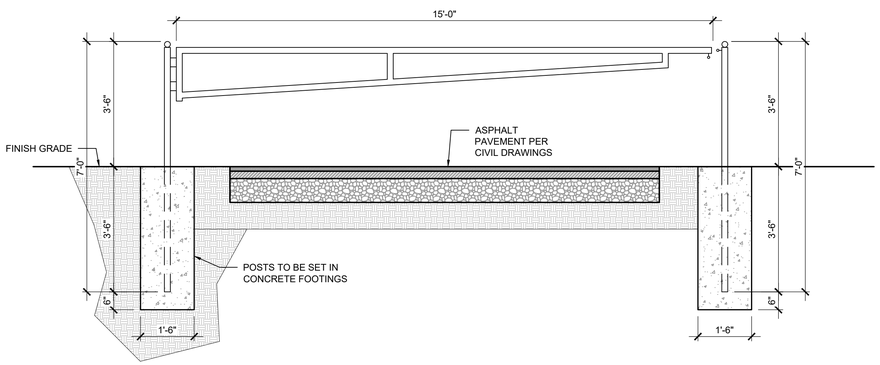
SCALE: 1/4" = 1'-0" 0 2 4 8



NOTES:
1. GATE POSTS (3 PREQ'D FOR SINGLE GATE).
2. FOUR ROLLERS REQ'D FOR EACH GATE PANEL.
3. TOTAL GATE LENGTH = OPENING SIZE x 1.5, THEN ADD 1'-0".
4. 1 7/8" O.D. SCHEDULE 40 TOP/BOTTOM RAILS AND END UPRIGHTS.
5. 1 3/8" O.D. .090 WALL VERTICAL AND HORIZONTAL BRACES.
6. GATE POSTS ON EITHER SIDE OF GATE OPENING ARE TO BE SET TO ACTUAL OPENING FACE TO FACE OF POST. GATE POSTS FOR THE COUNTER BALANCE ARE SET TO BE 1/2 OF THE OPENING FROM CENTER TO CENTER OF POST.

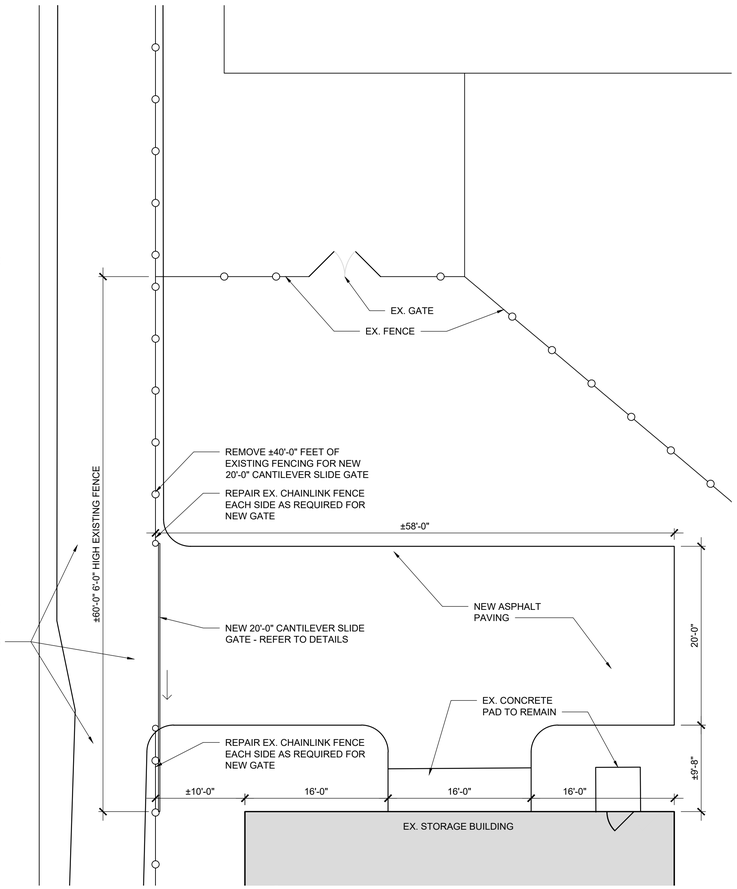
C CANTILEVER SLIDE GATE DETAIL

SCALE: 1/4" = 1'-0" 0 2 4 8



D MANUAL SINGLE SWING GATE DETAIL

SCALE: 1/4" = 1'-0" 0 2 4 8



E ENLARGED PLAN AT STORAGE BUILDING

SCALE: 1/8" = 1'-0" 0 4 8 16 N

STATE OF OHIO
JONATHAN ROBERT SCHAAF 14503
REGISTERED ARCHITECT

Jonathan Robert Schaaf #14503
Expiration Date 12/31/2027

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01.06.26	Review Set
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03.31.26	Review Set
04.07.26	Review Set
05.01.26	Construction/Bid Set

Sheet Title
Fencing Plan
Details

Sheet Number
A1.2

SITE DEVELOPMENT PLANS FOR:

PIQUA HIGH SCHOOL WEST PARKING LOTS

1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

DEVELOPMENT / DESIGN TEAM

OWNER / DEVELOPER
Piqua City Schools
Contact: Jeremie Hittle
Phone: 937.778.4512
Email: hittlej@piqua.org

CIVIL ENGINEER / CONSULTANT
Burkhardt Engineering
Contact: Nathan Tirey
Phone: 937.388.0060
Email: ntirey@burkhardtinc.com

ARCHITECT
RDA Group Architects
Contact: Jonathan Schaaf
Phone: 937.610.3440
Email: jrs@rda-group.com

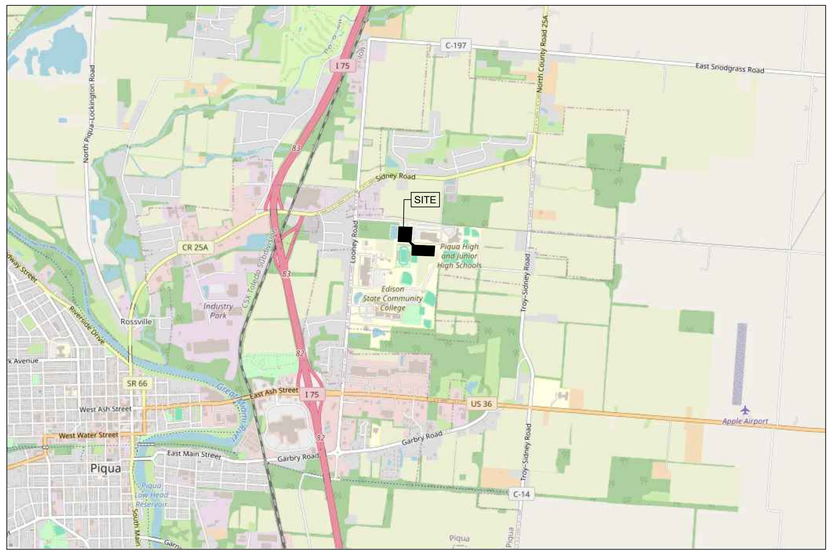
PROJECT SUMMARY

Project will include the demolition and removal of utilities, vegetation, pavement, etc. as necessary to construct two new parking lots and their associated pavement, parking facilities, utilities, landscaping, signage and any other proposed improvements which are needed to service the facility.

PROPERTY INFORMATION

Address: 1 Indian Trail, Piqua, Ohio 45356
Legal Description: IL 7861(20.0000 ac, APN: N44-250302), PT IL 7860(11.6610 ac, APN: N44-250255), PT IL 7857(8.3390 ac, APN: N44-251284)
Zoning: CV - Civic District
Flood Zone Designation: FIRM # 39109C0062E, effective date: August 2, 2011.
Zone "X" : Areas determined to be outside the 0.2% annual chance floodplain.

Note: Architectural, Electrical and Landscaping Plans (if applicable) are in a separate set.



VICINITY MAP
Not to Scale

N

**THIS PROJECT AREA DRAINS INTO AN ONSITE REGIONAL DETENTION BASIN. THE ORIGINAL DETENTION BASIN CALCULATIONS ACCOUNTED FOR THESE PARKING LOTS AND OTHER FUTURE IMPROVEMENTS FOR PIQUA HIGH SCHOOL. SEE THE PLANS FOR "PIQUA HIGH SCHOOL TENNIS & COMPREHENSIVE STORM WATER PLAN" FOR STORM WATER QUANTITY, QUALITY AND STORM SEWER SIZING.

Sheet List Table

Sheet Title	Sheet Number
COVER SHEET	C-0.0
GENERAL NOTES	C-0.1
NORTH EX. CONDITIONS & DEMO PLAN	C-1.0
SOUTH EX. CONDITIONS & DEMO PLAN	C-1.1
EAST EX. CONDITIONS & DEMO PLAN	C-1.2
NORTH SITE PLAN	C-2.0
SOUTH SITE PLAN	C-2.1
EAST SITE PLAN	C-2.2
NORTH GRADING PLAN	C-3.0
SOUTH GRADING PLAN	C-3.1
EAST GRADING PLAN	C-3.2
NORTH UTILITY PLAN	C-4.0
SOUTH UTILITY PLAN	C-4.1
EAST UTILITY PLAN	C-4.2
UTILITY PROFILES	C-4.3
SITE DETAILS	C-5.0
SITE DETAILS	C-5.1
NORTH SWPPP PLAN	C-6.0
SOUTH SWPPP PLAN	C-6.1
EAST SWPPP PLAN	C-6.2
SWPPP NOTES & DETAILS	C-6.3

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

The Contractor shall obtain a copy of the Geotechnical Engineering Report prepared by Bowser-Morner, dated March 10, 2026 and shall refer to the report for site preparation, compaction, utility trench backfill, pavement, foundations and slabs, construction and design criteria.

CIVIL ISSUE LOG

Description	Date
BID SET	05.01.2026

STATE OF OHIO
NATHAN D. TIREY
67917
REGISTERED PROFESSIONAL ENGINEER
05/01/2026 9:36:31 AM

Item	Description	Date
1	BID SET	05/01/2026

SITE DEVELOPMENT PLANS FOR:
PIQUA HIGH SCHOOL WEST PARKING LOTS
1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT ENGINEERS • SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0060 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	

Date: 05.01.2026

Sheet: COVER SHEET

Sheet No.: C-0.0

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GENERAL CONSTRUCTION NOTES

1. Site/Civil Specifications: All plans, construction, materials, workmanship, and methods shall be in accordance with the current "Rules and Regulations" of City of Piqua and the Ohio Department of Transportation Construction and Material Specifications, current edition. When in conflict, the City requirements shall prevail.
2. Prior to the start of construction, the Contractor shall be responsible for ensuring that all required permits and approvals have been obtained. No construction or fabrication shall begin until the Contractor has received and reviewed all plans and other documents approved by all the permitting authorities. The Contractor shall post all bonds, pay all fees, and provide proof of insurance as required to obtain permits.
3. All sediment and erosion control measures, as shown on Sheets C-6.0 through C-6.2, shall be in place prior to the start of any demolition, clearing and grubbing, or construction operations. Erosion control measures shall conform to all Local, State, and Federal regulations and requirements.
4. North arrow, existing topography, and property lines based on field survey of the subject property prepared by Burkhardt Engineering in December 2025. An ALTA/NSPS Land Title Survey was not performed, survey may not depict any or all easements impacting the subject property.
5. Information on existing utilities has been compiled from available information including utility company and municipal records and field survey and is not guaranteed correct and complete. Utilities are shown to alert the Contractor to their presence and the Contractor is solely responsible for determining actual locations and elevations of all utilities. Prior to demolition or construction, the Contractor shall contact "811", 72 hours before commencement of work and verify all utility locations.
6. The Contractor shall provide and maintain traffic control devices for protection of vehicles and pedestrians consisting of drums, barriers, signs, lights, fences and uniformed traffic officers as required by Local and State Authorities.
7. The Contractor shall protect all iron pins, monuments and property corners during construction. Any Contractor disturbed pins, monuments, etc. shall be reset by a Professional Land Surveyor (Registered with the State) at the expense of the Contractor.
8. Any disturbance incurred to any adjacent properties or public right-of-way during demolition and construction shall be restored to its original condition or better, in accordance with and to the satisfaction of Local and State Authorities.
9. The Contractor shall abide by all OSHA, Federal, State, and Local regulations when operating cranes, booms, hoists, etc. in close proximity to overhead electric lines. If Contractor must operate equipment close to electrical lines, contact the local Utility Provider to make arrangements for proper safeguards.
10. All material schedules shown on the plans are for general information only. The Contractor shall prepare their material schedules based upon their plan review. All schedules shall be verified in the field by the Contractor prior to ordering materials or performing work.
11. The Contractor shall review all plans prior to construction and immediately report any conflicts and/or discrepancies to the engineer-of-record.
12. All work within public rights-of-way shall be in accordance with the City of Piqua rules, specifications, and regulations.

GENERAL DEMOLITION NOTES

1. Within the subject property, the intent is to have a clean, clear site, free of all existing items noted to be removed in order to allow for the construction of the new project.
2. All items noted to be removed shall be done as part of the contract for general construction.
3. Remove and dispose of any materials requiring removal from the work area in an approved off-site landfill.
4. The Contractor shall secure all permits for demolition and disposal of demolition material to be removed from the site. The Contractor shall post all bonds and pay all permit fees as required.
5. The Contractor shall cut and plug, or arrange for the appropriate utility company to cut and plug service piping at the property line or at the main (as required). All services may not be shown on this plan.
6. For all items noted to be removed, remove not only above ground elements, but all underground elements as well, including, but not necessarily limited to: foundations, slabs, gravel fills, tree roots, pipes, wires, unsuitable materials, etc.
7. The Contractor shall sawcut existing pavement to provide a clean edge between existing pavement to remain and existing pavement to be removed.
8. Limits of removal and sawcut lines shown on demolition plan are approximate only. Actual quantities may vary due to construction activities. Contractor is responsible for all demolition, removal and restoration work necessary to allow for the construction of the new project.
9. Backfill excavations resulting from demolition work to meet the requirements for fill outlined in the Geotechnical / Soils Report.

GENERAL SITE NOTES

1. Building dimensions shown on the Civil Engineering Plans are for reference purposes only. The Contractor shall use the Architectural and Structural Plans for exact building dimensions.
2. All site and radii dimensions are referenced to the face of curbs or edge of paving unless otherwise noted.
3. All dimensions to the building are referenced to the outside face of the foundation wall.
4. All sidewalks, curb and gutter, street paving, curb cuts, driveway approaches, handicap ramps, etc. constructed outside the property line in the right-of-way shall conform to all Local and/or State specifications and requirements.
5. All proposed handicap ramps, parking areas, and accessible routes shall strictly comply with current Local, State, and Federal regulations, including but not necessarily limited to the ADA Accessibility Guidelines (ADAAG).
6. All ADA accessible routes shall have detectable warnings installed as required by the ADAAG. Detectable warnings shall consist of raised truncated domes which contrast visually with the adjoining surfaces, either light-on-dark, or dark-on-light.
7. Contractor shall sawcut existing pavement to provide a clean, straight joint where new pavement meets existing pavement and ensure positive drainage.
8. All concrete pavement shall have joints in accordance with ACI 330R-08, Section 3.7 and Appendix C. Contraction joints shall be 1/4 of the slab thickness. Isolation joints shall be placed between pavement and foundations, inlets, and other fixed structures. Contraction joints shall be tool finished and spaced as follows:
   Curbing: 10'-0" (max) spacing.
   Sidewalks: 5'-0" (max) spacing.
   Vehicular Traffic Areas: 24 x Concrete Pavement Thickness (feet), 15'-0" (max) spacing.

GENERAL GRADING, EARTHWORK & DRAINAGE NOTES

1. All spot elevations indicated in pavement areas are at bottom face of curb and/or finished pavement grade unless noted otherwise. All spot elevations indicated in grass or landscape areas are finished grade unless noted otherwise.
2. The Contractor shall be responsible for the removal and disposal of all vegetation and organic materials from the site that results from clearing & grubbing activities.
3. The Contractor shall be responsible for stripping and removal of all excess topsoil from the site. All topsoil that cannot be used on site shall be removed from the site at the Contractor's expense. The Contractor may dispose of excess topsoil by burying topsoil in landscape areas only at the direction of the Owner or the Owner's Representative.
4. The Contractor will be responsible for all safety requirements and for the protection of all existing and proposed utilities or structures during earthwork procedures.
5. The Contractor shall be responsible for the import of structural fill materials if suitable material is not available on site. The location and testing of suitable material shall be the Contractor's responsibility. The Contractor shall be responsible for the export and disposal of all excess or unsuitable materials.
6. The Contractor shall provide construction dewatering as necessary to complete construction as outlined in plans.
7. The Contractor shall exercise extreme care in establishing all grades and slopes in pavement areas, ramps and sidewalks in the vicinity of handicap parking and access areas and shall comply with Federal, State, and Local Codes.
8. In areas where sheet drainage flows from grass or landscape areas onto paved areas, the finished grade in grass or landscape areas shall be 1/2 inch above the top of curb or above the pavement in areas without curb. In areas where sheet drainage flows from pavement to grass or landscaped areas, the finished grade in grass or landscape areas shall be 1/2 inch below the pavement.
9. The Contractor shall provide positive drainage in all areas and away from all buildings.
10. All pavement shall be laid on a straight, even, and uniform grade with a minimum of 1:100 (1.0%) slope toward the collection points unless otherwise specified on plans. Cut or fill slopes in unpaved areas shall not exceed 3:1 (33.3%) maximum grade unless otherwise noted on plans.
11. ADA accessible areas shall not exceed the following slopes:
    Ramps - 1:12 (8.3%) max.
    Routes - 1:20 (5.0%) max.
    Parking - 1:50 (2.0%) max.
    Cross Slopes - 1:50 (2.0%) max.
12. The Contractor shall adjust tops/lids/grates of all cleanouts, manholes, inlets, valves, etc. to match final grade.
13. Following grading of subsoil to subgrade elevations, the Contractor shall provide 4" of topsoil (minimum) in all disturbed areas which are not to be paved. Final grades should be smoothly finished to surrounding areas and ensure positive drainage. Stockpiled topsoil shall be screened prior to respreading and should be free of subsoil, debris, and stones.
14. The Contractor shall establish permanent lawn vegetation (grass) in all areas disturbed by construction (including rights-of-way and adjacent properties), unless otherwise specified on landscape plans. Seed mixture, application rate, mulch, fertilization, and watering shall be appropriate for the local climate and soil conditions, to ensure a healthy stand of lawn. Provide Owner with alternate pricing for hydroseed.
15. The Contractor shall be responsible for determining exact quantities of cut and/or fill for estimating and construction and should alert the Engineer of any excessive cut and/or fill, especially if additional cut and/or fill will be required due to poor existing soil conditions discovered during earthwork operations.
16. Refer to the Architectural and Structural Plans for information regarding any perimeter foundation drains.
17. The Contractor shall obtain a copy of the Geotechnical / Soils Report and become thoroughly familiar with site and subgrade information and fully implement recommendations given therein.
18. The Contractor shall provide geotextile weed mat under all landscape mulch/stone and rip-rap.
19. If field tiles are encountered, notify Engineer, field tiles will likely need to be replaced and connected to storm sewer system.
20. Proposed spot elevations are provided in a truncated form to save space, add 900' to each spot elevation to convert the elevation to NAVD88 datum.

GENERAL UTILITY NOTES:

1. All utilities shown are approximate locations only and have been compiled from the latest available mapping. The exact location of all underground utilities shall be verified by the Contractor prior to the start of construction.
2. Contractor to coordinate with the local utility companies for all locations and connections. A preconstruction meeting with the various utility companies may be required prior to the start of any construction activity.
3. The Contractor shall visit the site and verify the location, elevation, and condition of all existing utilities by various means prior to beginning any excavation. Test pits shall be dug at all locations where existing and proposed utility lines cross, and the horizontal and vertical locations of the utilities shall be determined. The Contractor shall contact the Engineer in the event of any unforeseen conflicts between existing and proposed utilities so that an appropriate modification may be made.
4. The Contractor shall ensure that all utility companies and local standards for materials and construction methods are met. The Contractor shall perform proper coordination with the respective utility company. The Contractor shall coordinate work to be performed by the various utility companies and shall pay all fees for connections, disconnection, relocations, inspections, and demolition.
5. All valve boxes and curb boxes shall be adjusted to the final grades and located in grassed areas unless indicated otherwise on the plans.
6. The Contractor shall provide traffic bearing concrete collars and lids for all cleanouts, manholes, inlets, valves, etc. which are located in paved areas.
7. All existing pavement within the rights-of-way where utility piping is to be installed shall be saw cut and replaced or directionally bored in accordance with Local and/or State requirements. Existing pavement shall be repaired as necessary.
8. All utility lines and trenches shall be installed, bedded and backfilled according to manufacturer's specifications and to the satisfaction of Local and State Authorities.
9. Roof drains, foundation drains, and other clean water connections to the sanitary sewer system are prohibited.
10. The Contractor shall prepare and submit shop drawings of all site utility structures and materials to engineer-of-record for review, prior to ordering materials or construction.

STORM SEWER NOTES:

All storm sewer shall be reinforced concrete pipe (RCP, ASTM C76 - Class IV, minimum) or high-density polyethylene pipe (ADS N-12 WT, watertight, or equivalent), unless otherwise noted on plans. All pipe shall be installed according to manufacturer's specifications. All storm sewer pipe and joints to be watertight, including the downspout collection system.

All catch basins installed in sump areas to have finger drains as detailed on Sheet C-5.0

Contractor to provide steps, as required by ODOT and OSHA, in all catch basins and manholes.

Storm sewer connection, permit and construction to be coordinated with the City of Piqua.

Know what's below. Call before you dig.

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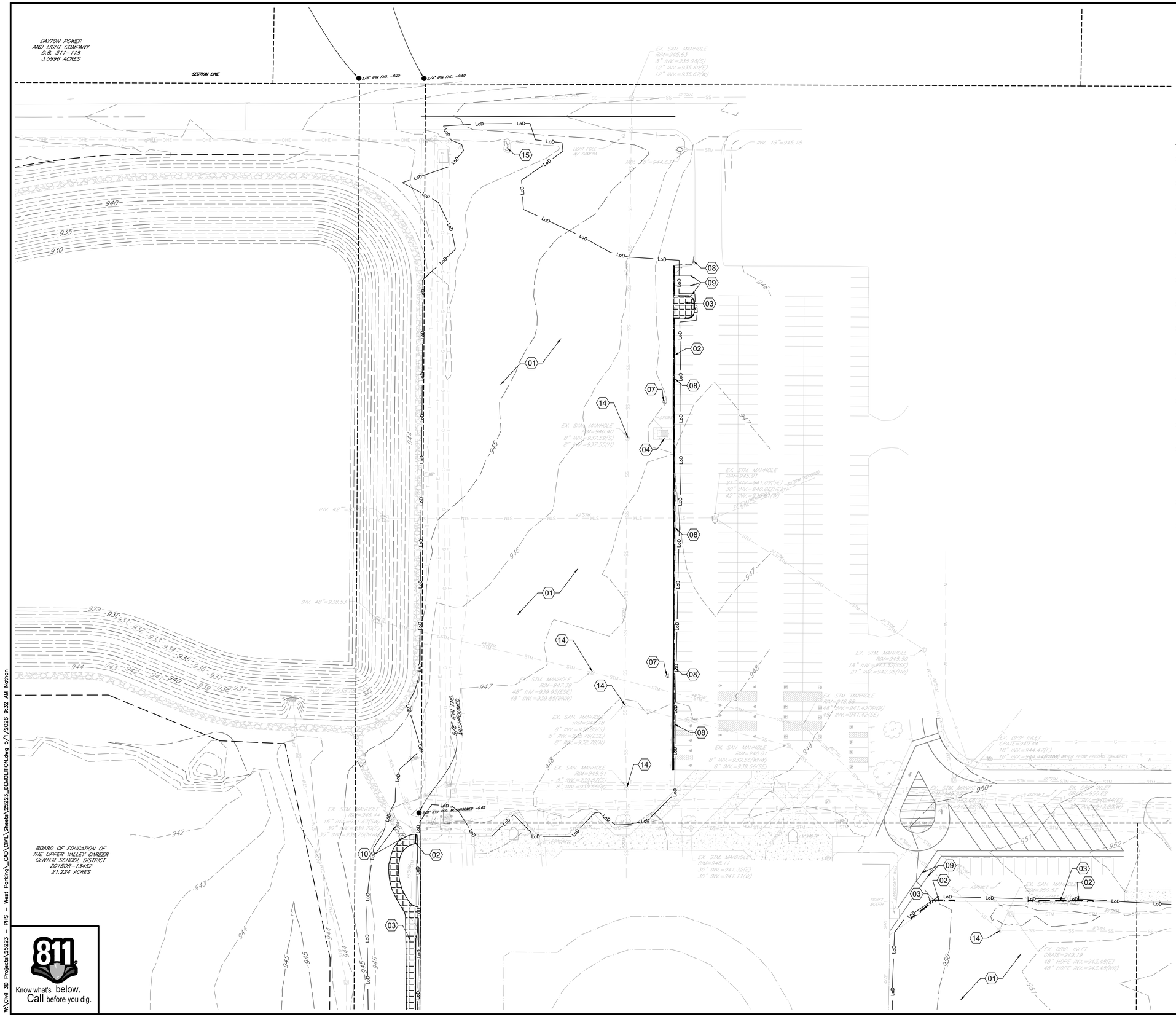
STATE OF OHIO
NATHAN D. HEY
77917
REGISTERED PROFESSIONAL ENGINEER
05/01/2026 9:36:31 AM

Item	Description	Date
1	BID SET	05/01/2026

SITE DEVELOPMENT PLANS FOR:
PIQUA HIGH SCHOOL WEST PARKING LOTS
1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT ENGINEERS ▼ SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0060 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	
Date: 05.01.2026	
Sheet: GENERAL NOTES	
Sheet No.: C-0.1	



GRAPHIC SCALE

40 0 20 40

1 inch = 40 ft.

DEMOLITION KEYNOTES

01 CLEAR & GRUB

02 SAWCUT PAVEMENT FOR CLEAN EDGE

03 EX. ASPHALT - TO BE REMOVED

04 PROTECT EX. CONC. PAD

05 EX. CONCRETE - TO BE REMOVED

06 EX. TREE - TO BE REMOVED

07 EX. LIGHT POLE - TO BE DEMOLISHED
- SEE LIGHTING PLANS FOR FURTHER INFORMATION

08 EX. BUMPER BLOCKS - TO BE REMOVED

09 EX. PARKING STRIPE - TO BE REMOVED

10 PORTION OF EX. GRAVEL - TO BE REMOVED

11 EX. LIGHT POLE - TO BE RELOCATED
- SEE LIGHTING PLANS FOR FURTHER INFORMATION

12 EX. BRUSH - TO BE REMOVED

13 EX. IRRIGATION SYSTEM - TO BE PROTECTED
- EXACT LOCATION UNKNOWN BUT ASSUMED TO BE CLOSE TO AND/OR WITHIN CURRENT PRACTICE FIELD
- ANY DAMAGE TO IRRIGATION SYSTEM RESULTING FROM ADJACENT CONSTRUCTION SHALL BE REMEDIED AT THE CONTRACTOR'S EXPENSE

14 EX. STRUCTURE - TO BE ADJUSTED TO GRADE
- SEE UTILITY PLANS FOR FURTHER INFORMATION

15 EX. SIGNAGE - TO REMAIN
- PROTECT FROM DAMAGE

DEMO LEGEND

- EX. ASPHALT PAVEMENT - TO BE REMOVED
- EX. CONCRETE - TO BE REMOVED
- EX. TREE - TO BE REMOVED
- LoD — LIMITS OF DISTURBANCE
- SAWCUT EX. PAVEMENT
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811 Know what's below. Call before you dig.

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STATE OF OHIO
NATHAN D. HEY
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05/01/2026 9:36:31 AM

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ENGINEERS & SURVEYORS
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Design: NDT	Proj: 25223
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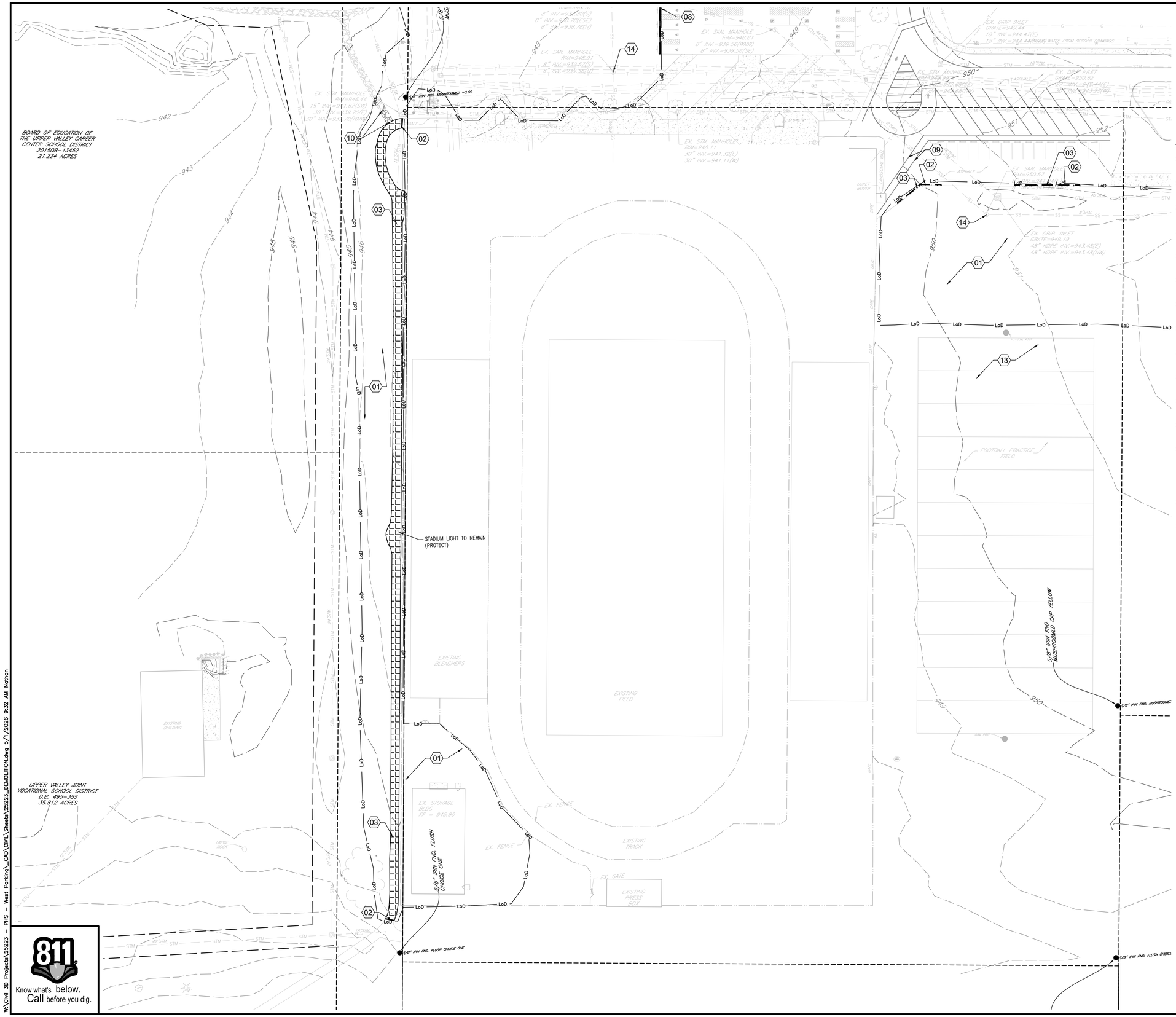
Scale: SEE SHEET	

Date: 05.01.2026

Sheet: NORTH EX. CONDITIONS & DEMO PLAN

Sheet No.: C-1.0



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02 SAWCUT PAVEMENT FOR CLEAN EDGE

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05 EX. CONCRETE - TO BE REMOVED

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GRAPHIC SCALE
40 0 20 40
1 inch = 40 ft.

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28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0660 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	

Date: 05.01.2026

Sheet: SOUTH EX. CONDITIONS & DEMO PLAN

Sheet No.: C-1.1

GRAPHIC SCALE

40 0 20 40

1 inch = 40 ft.

DEMOLITION KEYNOTES

01 CLEAR & GRUB

02 SAWCUT PAVEMENT FOR CLEAN EDGE

03 EX. ASPHALT - TO BE REMOVED

04 PROTECT EX. CONC. PAD

05 EX. CONCRETE - TO BE REMOVED

06 EX. TREE - TO BE REMOVED

07 EX. LIGHT POLE - TO BE DEMOLISHED
- SEE LIGHTING PLANS FOR FURTHER INFORMATION

08 EX. BUMPER BLOCKS - TO BE REMOVED

09 EX. PARKING STRIPE - TO BE REMOVED

10 PORTION OF EX. GRAVEL - TO BE REMOVED

11 EX. LIGHT POLE - TO BE RELOCATED
- SEE LIGHTING PLANS FOR FURTHER INFORMATION

12 EX. BRUSH - TO BE REMOVED

13 EX. IRRIGATION SYSTEM - TO BE PROTECTED
- EXACT LOCATION UNKNOWN BUT ASSUMED TO BE CLOSE TO AND/OR WITHIN CURRENT PRACTICE FIELD
- ANY DAMAGE TO IRRIGATION SYSTEM RESULTING FROM ADJACENT CONSTRUCTION SHALL BE REMEDIED AT THE CONTRACTOR'S EXPENSE

14 EX. STRUCTURE - TO BE ADJUSTED TO GRADE
- SEE UTILITY PLANS FOR FURTHER INFORMATION

15 EX. SIGNAGE - TO REMAIN
- PROTECT FROM DAMAGE

DEMO LEGEND

- EX. ASPHALT PAVEMENT - TO BE REMOVED
- EX. CONCRETE - TO BE REMOVED
- EX. TREE - TO BE REMOVED
- LoD — LIMITS OF DISTURBANCE
- SAWCUT EX. PAVEMENT
- EX. BRUSH - TO BE REMOVED

Know what's below. Call before you dig.

W:\Civil 3D Projects\25223 - PHS - West Parking_CAD\CIVIL\Sheets\25223_DEMOLITION.dwg 5/1/2026 9:32 AM Nathan

STATE OF OHIO
NATHAN D. TIBEY
67917
REGISTERED PROFESSIONAL ENGINEER

05/01/2026 9:36:31 AM

Item	Description	Date
1	BID SET	05/01/2026

SITE DEVELOPMENT PLANS FOR:

PIQUA HIGH SCHOOL WEST PARKING LOTS

1 INDIAN TRAIL

CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT ENGINEERS ▼ SURVEYORS

28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0060 | BURKHARDTINC.COM

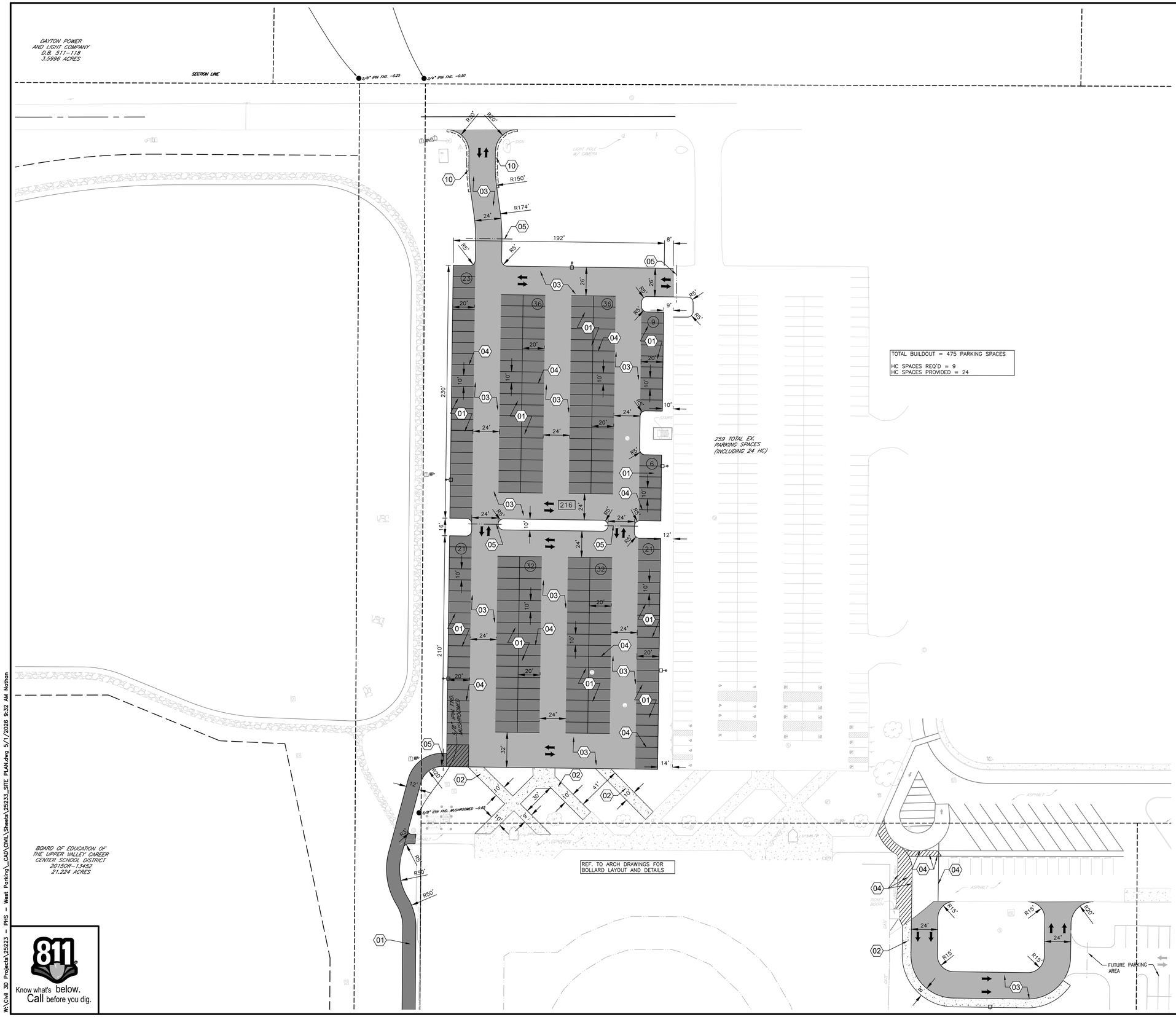
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	

Date: 05.01.2026

Sheet: EAST EX. CONDITIONS & DEMO PLAN

Sheet No.: C-1.2



GRAPHIC SCALE

40 0 20 40

1 inch = 40 ft.

SITE KEYNOTES

01 STANDARD-DUTY ASPHALT PAVEMENT
- PER DETAIL / SHEET C-5.0

02 CONCRETE SIDEWALK
- PER DETAIL / SHEET C-5.0

03 HEAVY-DUTY ASPHALT PAVEMENT
- PER DETAIL / SHEET C-5.0

04 PARKING STRIPE / HATCH
- 4" WIDE PAINTED STRIPES.
- HATCHING TO BE AT 45 DEGREE AND 2'-0" O.C.
- STRIPING ON ASPHALT PAVEMENT TO BE PAINTED WHITE.

05 PROP. GATE
- SEE ARCHITECTURAL PLANS FOR DETAILS

06 CONCRETE SIDEWALK WITH INTEGRAL CURB
- PER DETAIL / SHEET C-5.0

07 CURB RAMP
- PER DETAIL / SHEET C-2.2

08 ADA PARKING SYMBOL
- PER DETAIL / SHEET C-2.2

09 HANDICAP PARKING SIGNAGE
- PER DETAIL / SHEET C-2.2

10 GRAVEL SHOULDER
- 2' WIDTH

SITE & PAVEMENT LEGEND

(4) NUMBER OF PARKING SPACES

[222] TOTAL NUMBER OF PARKING SPACES (PER LOT)

HEAVY-DUTY ASPHALT

STANDARD-DUTY ASPHALT

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

W:\Civil 3D Projects\25223 — PHS — West Parking_CAD\CIVIL\Sheets\25233_SITE PLAN.dwg 5/1/2026 9:32 AM Nathan

STATE OF OHIO
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Item	Description	Date
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Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	

Date: 05.01.2026

Sheet: NORTH SITE PLAN

Sheet No.: C-2.0

BOARD OF EDUCATION OF
THE UPPER VALLEY CAREER
CENTER SCHOOL DISTRICT
2015OR-13452
21.224 ACRES

UPPER VALLEY JOINT
VOCATIONAL SCHOOL DISTRICT
O.R. 485-355
35.812 ACRES

REF. TO ARCH DRAWINGS FOR
BOLLARD LAYOUT AND DETAILS

5/8" IRN FND. MUSHROOMED -0.62

5/8" IRN FND. FLUSH CHOICE ONE

5/8" IRN FND. MUSHROOMED CAP YELLOW

5/8" IRN FND. MUSHROOMED

5/8" IRN FND. FLUSH CHOICE

STADIUM LIGHT TO REMAIN
(PROTECT)

FUTURE PARKING
AREA

EX. STORAGE
BLDG
FF = 945.90

EXISTING
BLEACHERS

EXISTING
FIELD

EXISTING
TRACK

EXISTING
PRESS
BOX

FOOTBALL PRACTICE
FIELD

EXISTING
BUILDING

LARGE
ROCK

EX. FENCE

EX. GATE

ASPHALT

TICKET
BOOTH

GRAPHIC SCALE
40 0 20 40
1 inch = 40 ft.

SITE KEYNOTES

01 STANDARD-DUTY ASPHALT PAVEMENT
- PER DETAIL / SHEET C-5.0

02 CONCRETE SIDEWALK
- PER DETAIL / SHEET C-5.0

03 HEAVY-DUTY ASPHALT PAVEMENT
- PER DETAIL / SHEET C-5.0

04 PARKING STRIPE / HATCH
- 4" WIDE PAINTED STRIPES.
- HATCHING TO BE AT 45 DEGREE AND 2'-0" O.C.
- STRIPING ON ASPHALT PAVEMENT TO BE PAINTED WHITE.

05 PROP. GATE
- SEE ARCHITECTURAL PLANS FOR DETAILS

06 CONCRETE SIDEWALK WITH INTEGRAL CURB
- PER DETAIL / SHEET C-5.0

07 CURB RAMP
- PER DETAIL / SHEET C-2.2

08 ADA PARKING SYMBOL
- PER DETAIL / SHEET C-2.2

09 HANDICAP PARKING SIGNAGE
- PER DETAIL / SHEET C-2.2

10 GRAVEL SHOULDER
- 2' WIDTH

SITE & PAVEMENT LEGEND

(4) NUMBER OF PARKING SPACES

[222] TOTAL NUMBER OF PARKING SPACES (PER LOT)

HEAVY-DUTY ASPHALT

STANDARD-DUTY ASPHALT

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

W:\Civil 3D Projects\25223 - PHS - West Parking_CAD\CIVIL\Sheets\25233_SITE PLAN.dwg 5/1/2026 9:32 AM Nathan

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NATHAN D. HEY
E-27917
REGISTERED PROFESSIONAL ENGINEER
05/01/2026 9:36:31 AM

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1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

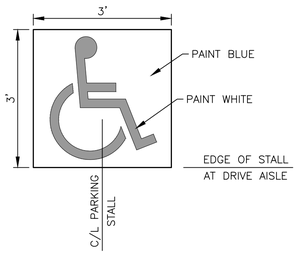
BURKHARDT
ENGINEERS • SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0069 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	

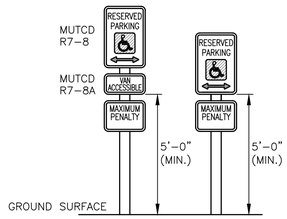
Date: 05.01.2026

Sheet: SOUTH SITE PLAN

Sheet No.: C-2.1

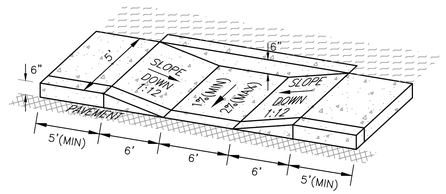


ADA PARKING SYMBOL
NOT TO SCALE



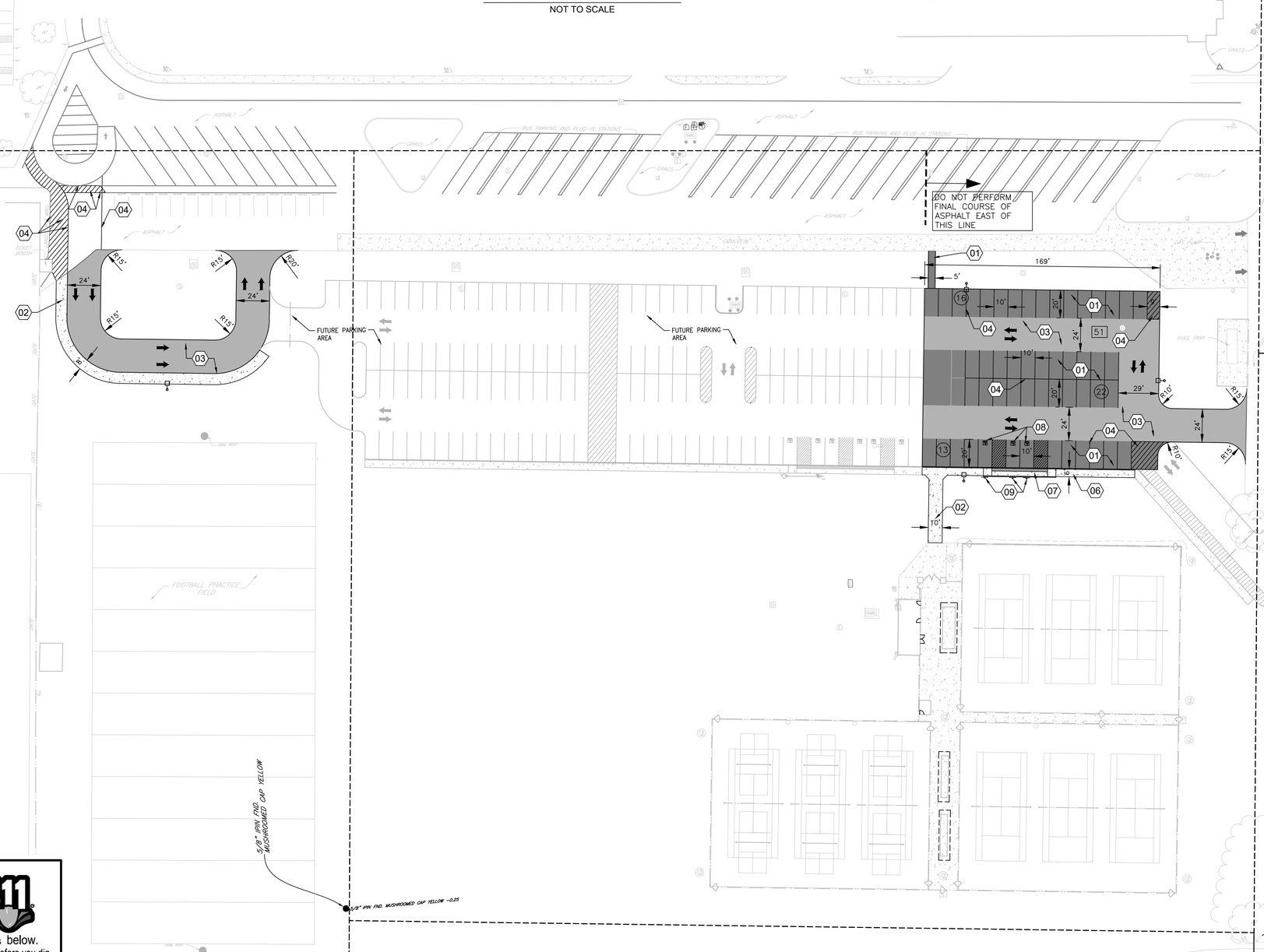
NOTES:
1. MAXIMUM PENALTY SHOULD BE STATED PER LOCAL AUTHORITY.
2. SIGNS TO BE MOUNTED ON FACE OF BUILDING IF POSSIBLE.
3. IF POST MOUNTED, POST SHOULD BE PAINTED TO MATCH BUILDING.

HANDICAP PARKING SIGNAGE
NOT TO SCALE



NOTES:
1. HANDICAP RAMP TO BE INSTALLED PER ADA REQUIREMENTS.
2. SEE CONCRETE ADA RAMP SECTION.

ADA ACCESSIBLE RAMP DETAIL
NOT TO SCALE



GRAPHIC SCALE
40 0 20 40
1 inch = 40 ft.

SITE KEYNOTES

01 STANDARD-DUTY ASPHALT PAVEMENT
- PER DETAIL / SHEET C-5.0

02 CONCRETE SIDEWALK
- PER DETAIL / SHEET C-5.0

03 HEAVY-DUTY ASPHALT PAVEMENT
- PER DETAIL / SHEET C-5.0

04 PARKING STRIPE / HATCH
- 4" WIDE PAINTED STRIPES.
- HATCHING TO BE AT 45 DEGREE AND 2'-0" O.C.
- STRIPING ON ASPHALT PAVEMENT TO BE PAINTED WHITE.

05 PROP. GATE
- SEE ARCHITECTURAL PLANS FOR DETAILS

06 CONCRETE SIDEWALK WITH INTEGRAL CURB
- PER DETAIL / SHEET C-5.0

07 CURB RAMP
- PER DETAIL / SHEET C-2.2

08 ADA PARKING SYMBOL
- PER DETAIL / SHEET C-2.2

09 HANDICAP PARKING SIGNAGE
- PER DETAIL / SHEET C-2.2

10 GRAVEL SHOULDER
- 2' WIDTH

SITE & PAVEMENT LEGEND

(4)	NUMBER OF PARKING SPACES
222	TOTAL NUMBER OF PARKING SPACES (PER LOT)
	HEAVY-DUTY ASPHALT
	STANDARD-DUTY ASPHALT

Know what's below. Call before you dig.

W:\Civil 3D Projects\25223 - PHS - West Parking_CAD\CIVIL\Sheets\25233_SITE PLAN.dwg 5/1/2026 9:32 AM Nathan

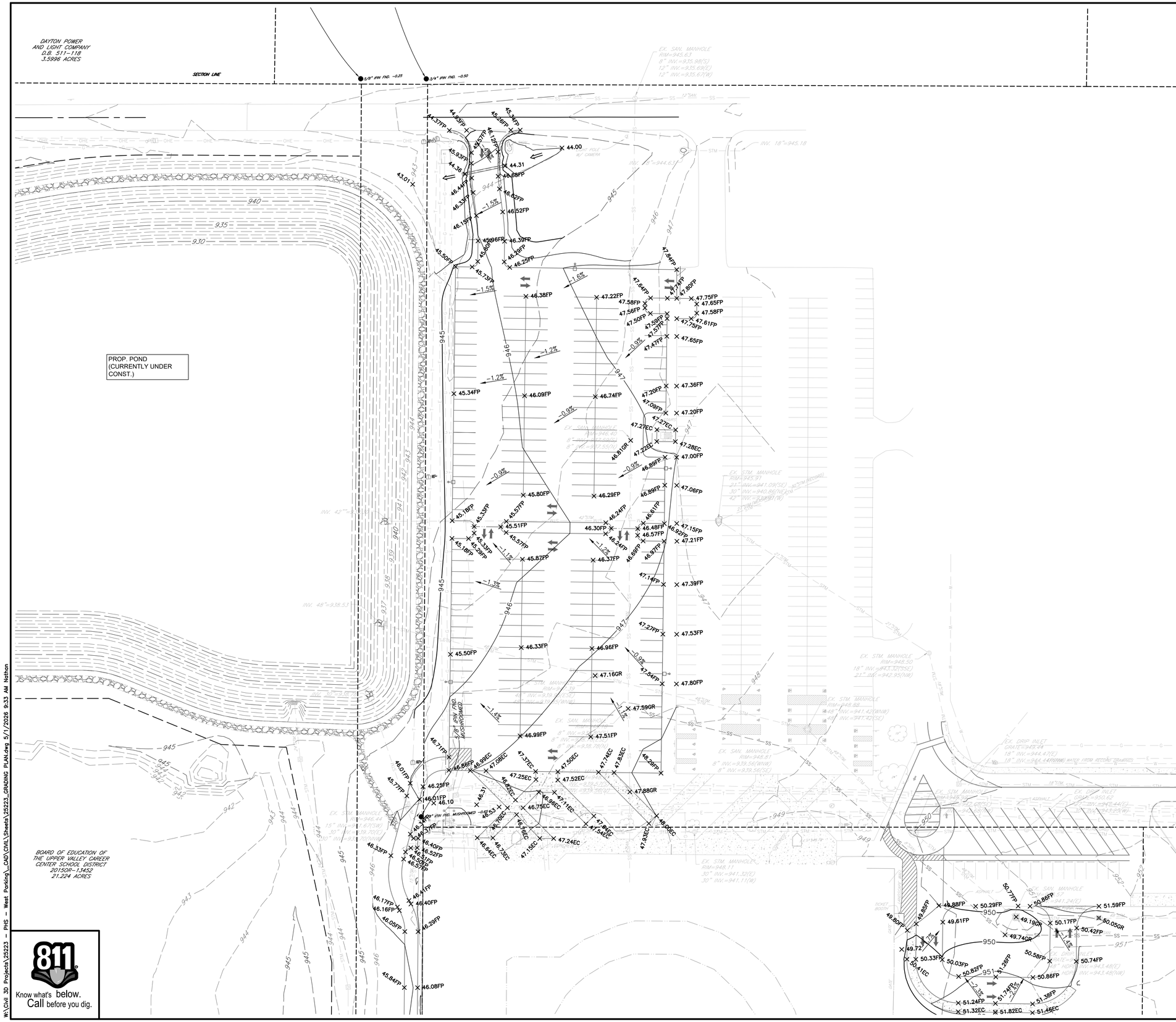
STATE OF OHIO
NATHAN D. TIBEY
E-27917
REGISTERED PROFESSIONAL ENGINEER
05/01/2026 9:36:31 AM

Item	Description	Date
1	BID SET	05/01/2026

SITE DEVELOPMENT PLANS FOR:
PIQUA HIGH SCHOOL WEST PARKING LOTS
1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT
ENGINEERS ▼ SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-9060 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	
Date: 05.01.2026	
Sheet: EAST SITE PLAN	
Sheet No.: C-2.2	


DAYTON POWER AND LIGHT COMPANY D.B. 511-118 3.5996 ACRES
SECTION LINE
5/8" IRN FND. -0.25
3/4" IRN FND. -0.50
PROP. POND (CURRENTLY UNDER CONST.)
BOARD OF EDUCATION OF THE UPPER VALLEY CAREER CENTER SCHOOL DISTRICT 2015/08-1,3422 21.224 ACRES
EX. SAN. MANHOLE RIM=945.63 8" INV.=935.98(S) 12" INV.=935.69(E) 12" INV.=935.67(W)
EX. STM. MANHOLE RIM=945.91 21" INV.=941.09(SE) 30" INV.=940.86(NE&W) 42" INV.=939.55(S)
EX. STM. MANHOLE RIM=948.11 30" INV.=941.32(E) 30" INV.=941.11(W)
EX. STM. MANHOLE RIM=945.88 18" INV.=943.32(SSE) 21" INV.=942.95(NW)
EX. STM. MANHOLE RIM=948.86 48" INV.=941.42(WNW) 48" INV.=941.42(SSE)
EX. SAN. MANHOLE RIM=946.40 8" INV.=932.55(S)
EX. SAN. MANHOLE RIM=938.78 8" INV.=929.56(WNW) 8" INV.=929.56(SE)
EX. DRIP INLET GRATE=945.44 18" INV.=944.47(E) 18" INV.=944.14(RIGHT) WATER FROM RETORT DRAINS
EX. STM. MANHOLE RIM=950.62 48" INV.=941.44(E) 48" INV.=941.44(W) 48" INV.=941.44(NW)
EX. STM. MANHOLE RIM=948.11 30" INV.=941.32(E) 30" INV.=941.11(W

GRADING LEGEND

× 100.00TC	PROP. TOP OF CURB ELEVATION
× 100.00FP	PROP. FINISHED PAVEMENT ELEVATION
× 100.00EC	PROP. EDGE OF CONCRETE ELEVATION
× 100.00GR	PROP. TOP OF GRATE/RIM ELEVATION
× 100.00	PROP. SPOT ELEVATION
× *100.00*	EX. SPOT ELEVATION
⟹	PROP. FLOW ARROW
1000	PROP. CONTOUR - INDEX
1000	PROP. CONTOUR - INTERMEDIATE
1000	EX. CONTOUR - INDEX
1000	EX. CONTOUR - INTERMEDIATE

SPOT ELEVATIONS PROVIDED ON THIS PLAN ARE LOCATED AT HORIZONTAL GEOMETRY CHANGES (CORNERS, CURVES/RADII, END POINTS, ETC.) AND VERTICAL GRADE BREAKS (HIGH POINTS, LOW POINTS, AND SLOPE CHANGES). ADDITIONAL SPOT ELEVATIONS MAY BE PROVIDED UPON REQUEST.

THIS PROJECT WILL GENERATE APPROXIMATELY 3000 CY OF EXCESS DIRT.

THE OWNER CONSULT WITH BOWSER-MORNER TO OBSERVE AND TEST DIRT SPOILS TO DETERMINE IF SUITABLE AS STRUCTURAL FILL FOR FUTURE BUILDING PADS OR PAVEMENT SUBGRADE.

CONTRACTOR SHALL STRIP EXCESS TOPSOIL AND STOCKPILE WITHIN THE AREA SHOWN ON SHEET C-6.2 AND LABELED AS "TOPSOIL STOCKPILE AREA". THIS PILE SHALL BE CONTAINED WITH THE DESIGNATED AREA AND SHALL BE LESS THAN 8' IN HEIGHT.

CONTRACTOR SHALL SAVE ALL SUITABLE SOILS AND STOCKPILE WITHIN THE AREA SHOWN ON SHEET C-6.2 AND LABELED AS "SUITABLE FILL DIRT STOCKPILE AREA". THIS PILE SHALL ALSO BE LESS THAN 8' IN HEIGHT.

BOTH PILES SHALL BE STABILIZED AND SEEDED UPON COMPLETION OF CONSTRUCTION.

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

W:\Civil 3D Projects\25223 — PHS — West Parking_CAD\CIVIL\Sheets\25223_GRADING PLAN.dwg 5/1/2026 9:33 AM Nathan

STATE OF OHIO — NATHAN D. TIBEY — 77917 — REGISTERED PROFESSIONAL ENGINEER
05/01/2026 9:36:31 AM

Item	Description	Date
1	BID SET	05/01/2026

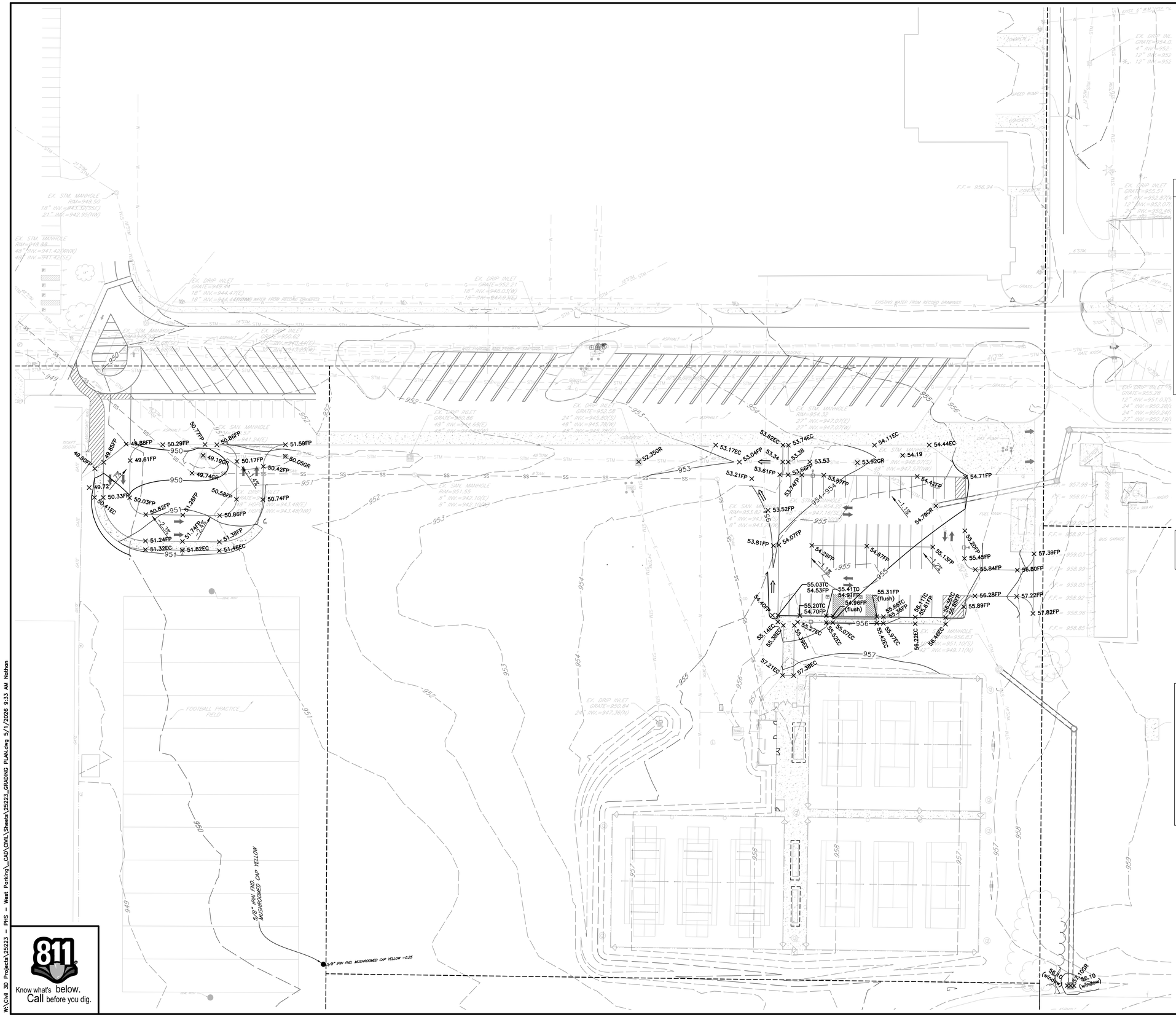
SITE DEVELOPMENT PLANS FOR:

PIQUA HIGH SCHOOL WEST PARKING LOTS

1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT ENGINEERS • SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0060 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	
Date: 05.01.2026	
Sheet: SOUTH GRADING PLAN	
Sheet No.: C-3.1	



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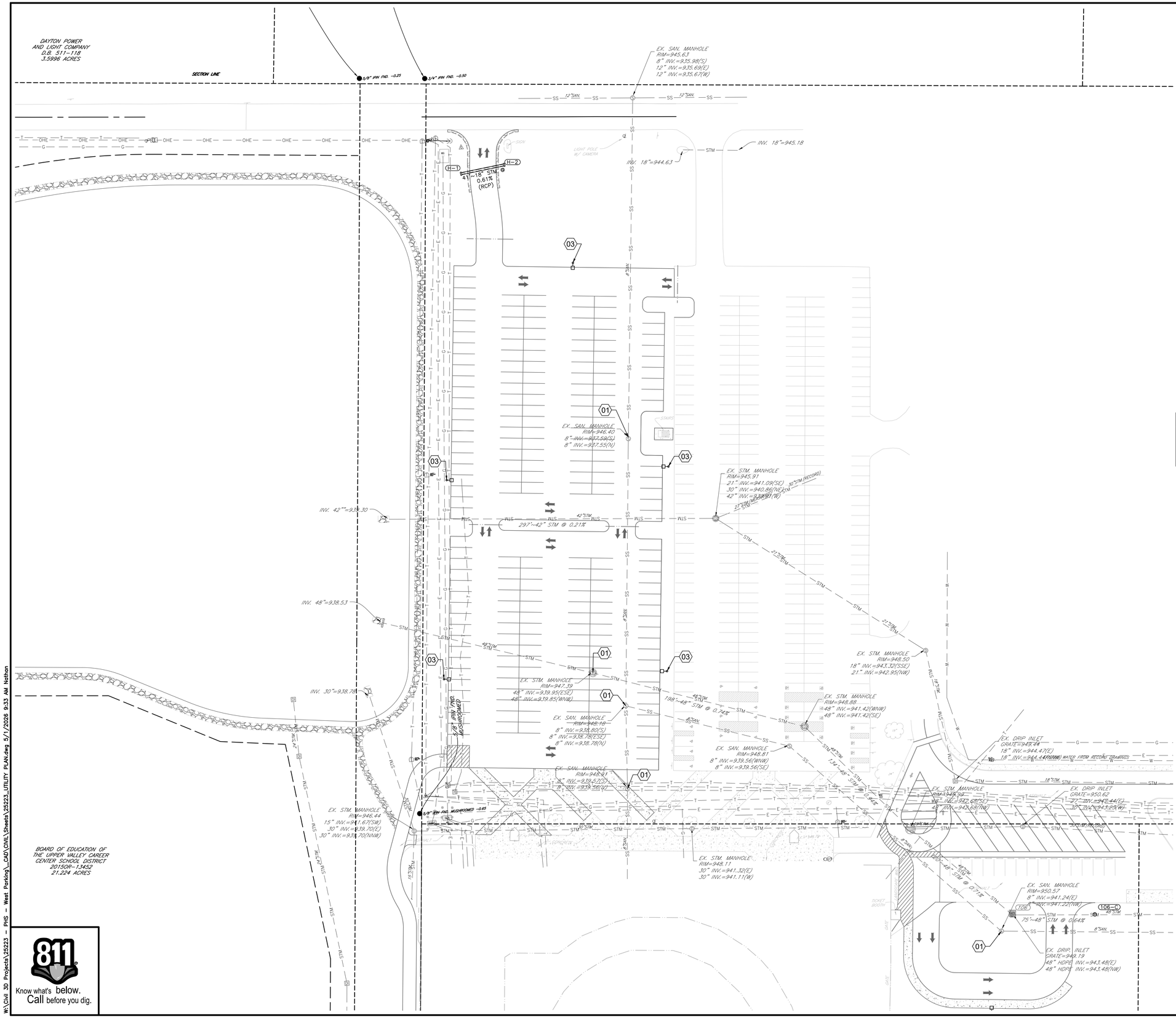
Scale: SEE SHEET	

Date: 05.01.2026

Sheet: EAST GRADING PLAN

Sheet No.: C-3.2

W:\Civil 3D Projects\25223 - PHS - West Parking_CAD\CIVIL\Sheets\25223_GRADING PLAN.dwg 5/1/2026 9:33 AM Nathan



GRAPHIC SCALE

40 0 20 40

1 inch = 40 ft.

UTILITY KEYNOTES

01 ADJUST RIM/GRATE/LID TO GRADE
- SEE SHEETS C-3.0 & C-3.1 FOR GRADES
- SEE SHEET C-4.2 FOR PROFILES IF APPLICABLE

02 TEMPORARY STORM PLUG
- PROVIDE WATER TIGHT CAP
- PROVIDE PAINTED 2 x 4 FOR FUTURE EXCAVATION & CONNECTION

03 PROPOSED LIGHT POLE
- SEE LIGHTING PLANS FOR FINAL LOCATION AND DETAILS
- SHOWN FOR INFORMATIONAL PURPOSES ONLY

PROPOSED UTILITY LEGEND	
■	PROP. CATCH BASIN
▬▬▬	PROP. STORM SEWER
⊙	PROP. INLINE DRAIN

NOTE: REFER TO ELECTRICAL DRAWINGS FOR INSTALLATION OF CONDUITS OR OTHER ELECTRICAL SITE COMPONENTS.

NOTE: CONTRACTOR SHALL PROVIDE ALL REQUIRED PUBLIC AND PRIVATE UTILITY LOCATION SERVICES TO LOCATE EXISTING UTILITIES IN THE AREAS OF WORK. IT SHOULD BE NOTED THAT ALONG THE NORTH SIDE OF THE FOOTBALL STADIUM AND TO THE WEST EDGE OF THE NEW FOOTBALL PARKING LOT, THAT THERE ARE NUMEROUS UTILITIES IN THESE AREAS. IT IS LIKELY THAT THE CONTRACTOR MAY NEED TO UTILIZE A VAC-TRUCK FOR LIGHT POLE EXCAVATIONS AND TRENCHING IN CERTAIN LOCATIONS, ETC. THIS WORK SHALL BE INCLUDED IN THE BID AMOUNT.

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

W:\Civil 3D Projects\25223 - PHS - West Parking_CAD\CIVIL\Sheets\25223_UTILITY PLAN.dwg 5/1/2026 9:33 AM Nathan

STATE OF OHIO — NATHAN D. ABEY — 77917 — REGISTERED PROFESSIONAL ENGINEER

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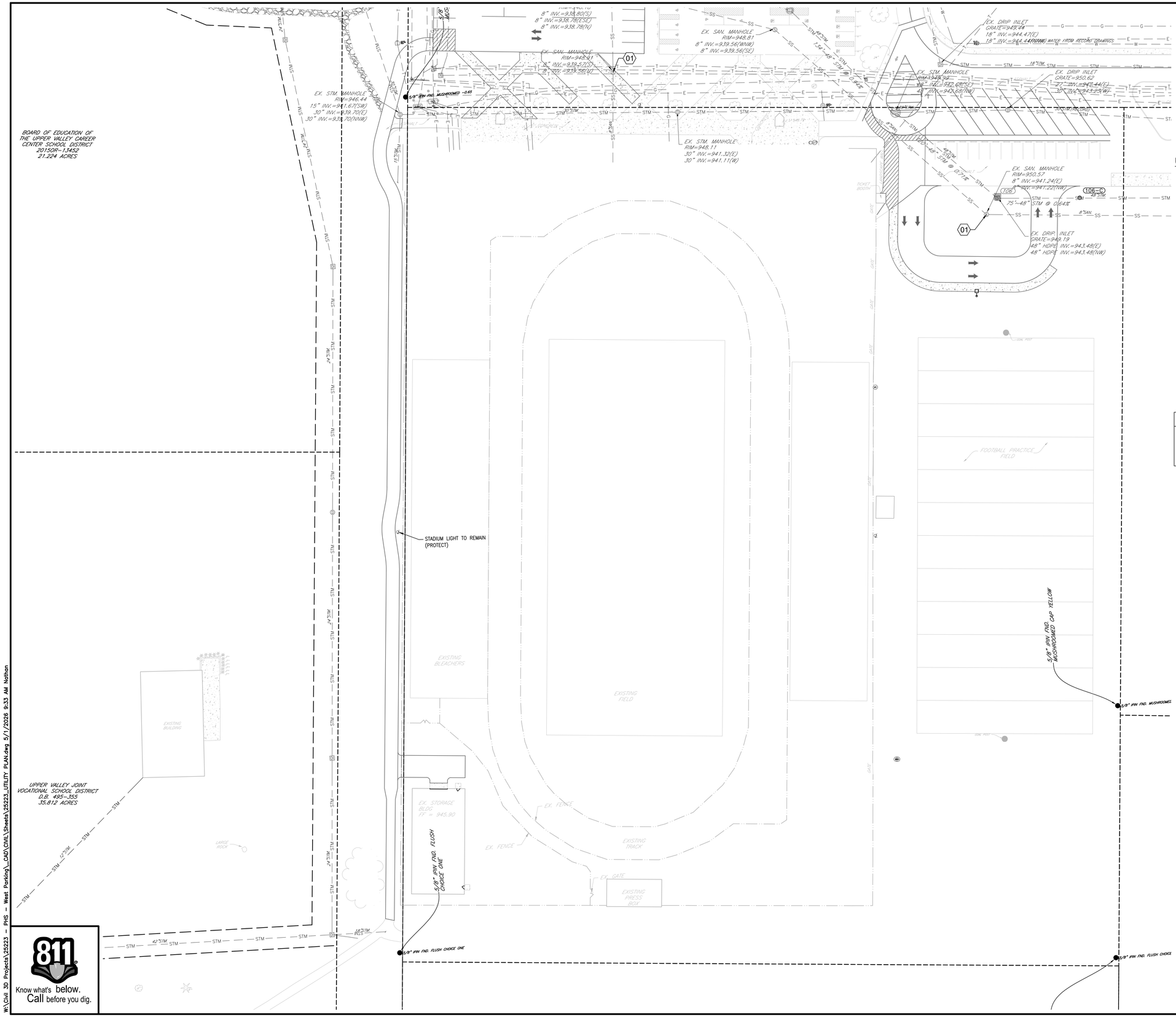

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▬▬▬	PROP. STORM SEWER
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Design: NDT	Proj: 25223
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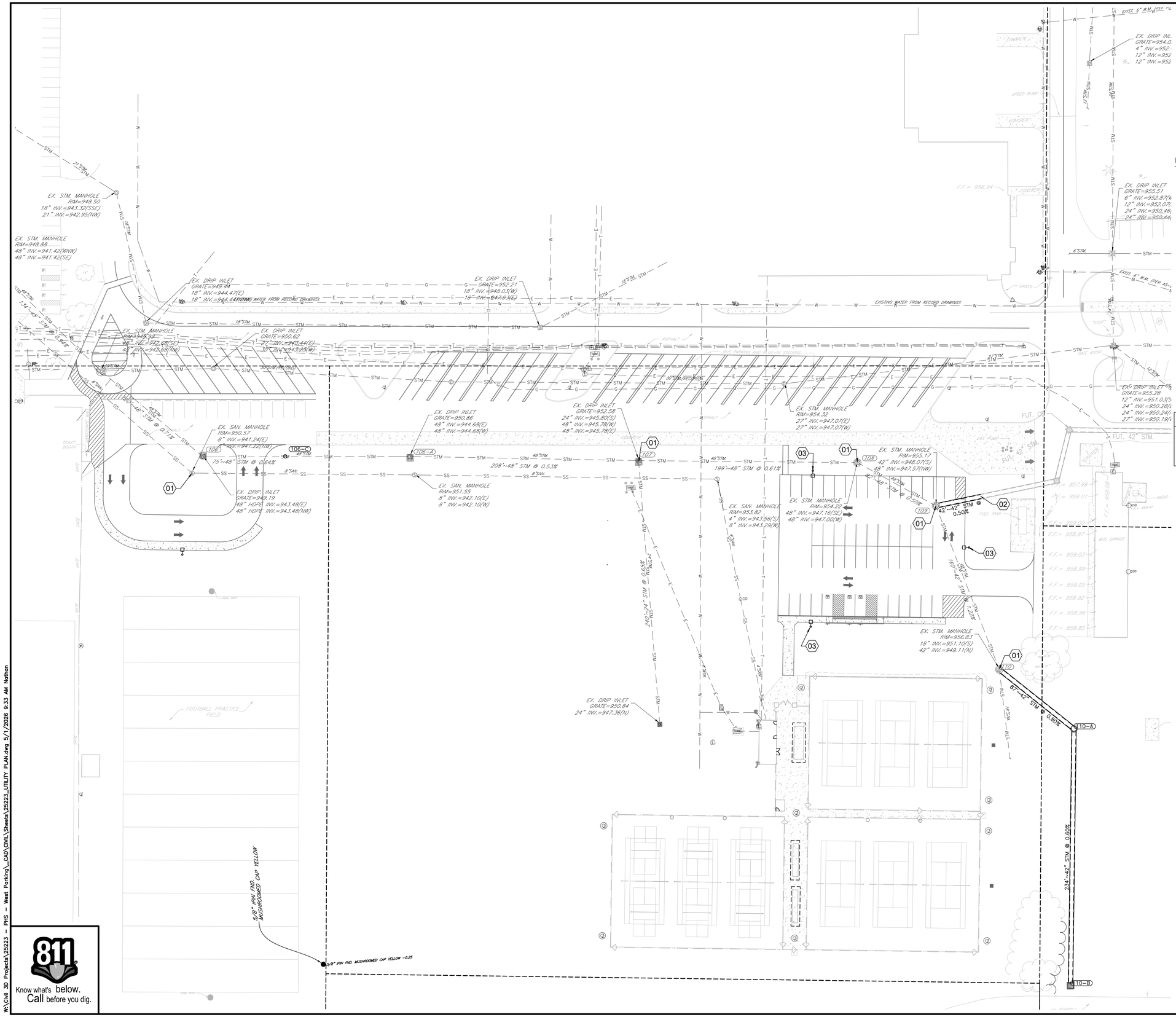
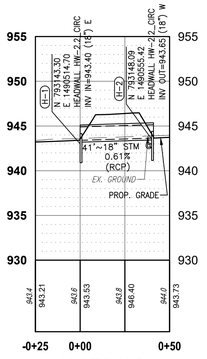
Check: SRF	Tab:
Scale: SEE SHEET	

Date: 05.01.2026

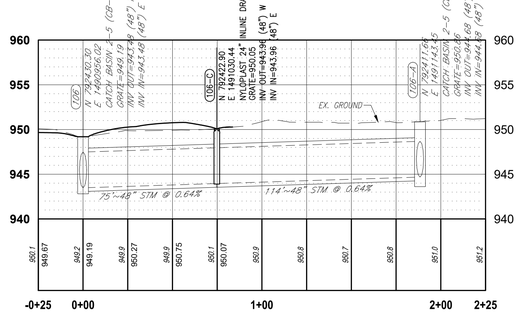
Sheet: SOUTH UTILITY PLAN

Sheet No.: C-4.1

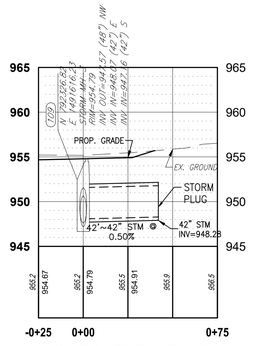

EX. STM. MANHOLE
RIM=948.50
18" INV.=943.32(SSE)
21" INV.=942.95(NW)
EX. STM. MANHOLE
RIM=948.88
48" INV.=941.42(WNW)
48" INV.=941.42(SE)
EX. DRIP INLET
GRATE=949.44
18" INV.=944.47(E)
18" INV.=944.44(WNW)
EXISTING WATER FROM RECORD DRAWINGS
EX. DRIP INLET
GRATE=952.21
18" INV.=948.03(W)
EX. DRIP INLET
GRATE=950.62
27" INV.=946.44(E)
30" INV.=943.23(W)
EX. STM. MANHOLE
RIM=948.39
EX. SAN. MANHOLE
RIM=950.57
8" INV.=941.24(E)
8" INV.=941.22(NW)
EX. DRIP INLET
GRATE=949.19
48" HDPE INV.=943.48(E)
48" HDPE INV.=943.48(NW)
EX. DRIP INLET
GRATE=950.86
48" INV.=944.68(E)
48" INV.=944.68(W)
EX. DRIP INLET
GRATE=952.58
24" INV.=945.80(S)
48" INV.=945.78(E)
EX. STM. MANHOLE
RIM=954.32
27" INV.=947.07(E)
27" INV.=947.07(W)
EX. SAN. MANHOLE
RIM=951.55
8" INV.=942.10(E)
8" INV.=942.10(W)
EX. SAN. MANHOLE
RIM=953.82
4" INV.=943.56(S)
8" INV.=943.29(W)
EX. STM. MANHOLE
RIM=954.22
48" INV.=947.16(SE)
48" INV.=947.00(W)
EX. STM. MANHOLE
RIM=955.12
42" INV.=948.07(S)
48" INV.=947.57(NW)
EX. STM. MANHOLE
RIM=956.83
18" INV.=951.10(S)
42" INV.=949.71(N)
EX. DRIP INLET
GRATE=950.84
24" INV.=947.36(N)
EX. DRIP INLET
GRATE=955.51
EX. DRIP INLET
GRATE=954.0
EXIST. 6" W.M. (PER AS-BUILTS)
F.F.= 956.94
F.F.= 957.98
F.F.= 958.01
F.F.= 958.97
F.F.= 959.03
F.F.= 958.99
F.F.= 959.05
F.F.= 958.92
F.F.= 958.96
F.F.= 958.85
FUT. 42" STM.
FUT. DI
106
106-A
106-B
107
108
109
110
110-A
110-B
01
02
03
199'-48" STM @ 0.61%
208'-48" STM @ 0.53%
75'-48" STM @ 0.64%
42'-42" STM @ 0.50%
160'-42" STM @ 0.50%
87'-42" STM @ 0.60%
234'-42" STM @ 0.60%
240'-24" STM @ 0.63%
1.54'-48" STM @ 0.64%
0.71'-48" STM @ 0.71%
EXISTING WATER FROM RECORD DRAWINGS
EXISTING WATER FROM RECORD DRAWINGS
EXISTING WATER FROM RECORD DRAWINGS



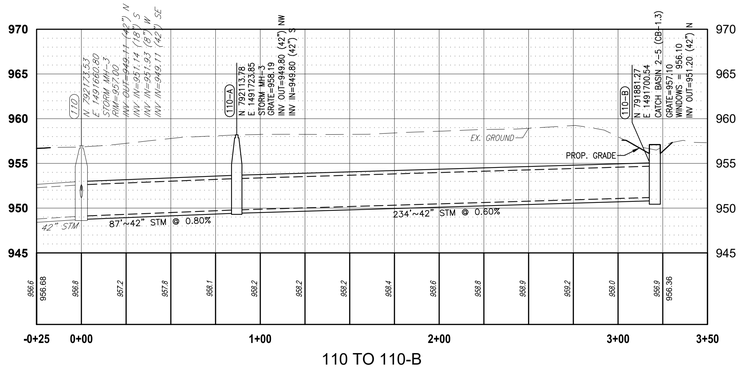
H-1 TO H-2



106 TO 106-A

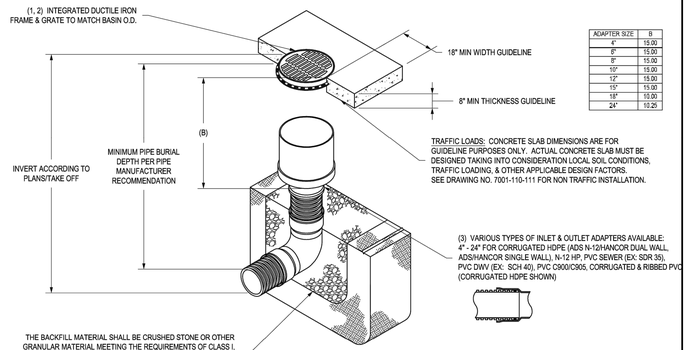


109 TO STORM PLUG



110 TO 110-B

NYLOPLAST 24 " INLINE DRAIN: 2724AG _ _ X



ADAPTER SIZE	B
4"	15.00
6"	15.00
8"	15.00
10"	15.00
12"	15.00
15"	15.00
18"	10.00
24"	10.25

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	2466OGP	7001-110-216
STANDARD	MEETS H-20	2466OGS	7001-110-217
SOLID COVER	MEETS H-20	2466OGC	7001-110-218
DOME	N/A	2466OGD	7001-110-219
DROP IN GRATE	LIGHT DUTY	2401DI	7001-110-075

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
4 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.
5 - DIMENSIONS ARE IN INCHES
6 - SEE DRAWING NO. 7001-110-375 FOR ADS N-12 & HANCOR DUAL WALL BELL INFORMATION & DRAWING NO. 7001-110-364 FOR N-12 HP BELL INFORMATION.

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DRAWN BY EBC | DATE 04-03-06 | MATERIAL
REVISED BY NMH | DATE 03-15-16 | PROJECT NO./NAME
DWG SIZE A | SCALE 1:40 | SHEET 1 OF 1

ADS Nyloplast
3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

TITLE
24 IN INLINE DRAIN QUICK SPEC INSTALLATION DETAIL

DWG NO. 7003-110-028 REV E

DETAIL FOR STRUCTURE 106-C

(USE THIS OR APPROVED EQUAL)

GRAPHIC SCALE
80 4 0 8
1 inch = 8 ft.

GRAPHIC SCALE
40 0 20 40
1 inch = 40 ft.

STATE OF OHIO
NATHAN D. TIBEY
7917
REGISTERED PROFESSIONAL ENGINEER
05/01/2026 9:36:31 AM

Item	Description	Date
1	BID SET	05/01/2026

SITE DEVELOPMENT PLANS FOR:
PIQUA HIGH SCHOOL WEST PARKING LOTS
1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT ENGINEERS ▾ SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-9060 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	

Date: 05.01.2026

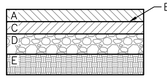
Sheet: UTILITY PROFILES

Sheet No.: C-4.3

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

W:\Civil 3D Projects\25223 - PHS - West Parking_CAD\CIVIL\Sheets\25223_UTILITY PLAN.dwg 5/1/2026 9:33 AM Nothon

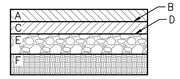
KEY
A – 1.5" SURFACE COURSE ASPHALT CONCRETE
ODOT ITEM 448 – TYPE 1, PG64–22
B – TACK COAT, ODOT ITEM 407
0.10 GAL/SY
C – 2.5" INTERMEDIATE COURSE ASPHALT CONCRETE
ODOT ITEM 448 – TYPE 2, PG64–22
D – 8" AGGREGATE BASE
ODOT ITEM 304
E – COMPACTED SUBGRADE
ODOT ITEM 204



SEE GEOTECHNICAL REPORT PREPARED BY BOWSER–MORNER DATED MARCH 10, 2026 FOR ADDITIONAL INFORMATION.

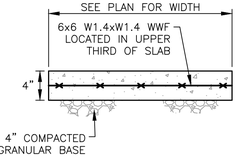
STANDARD-DUTY PAVEMENT SECTION
NOT TO SCALE

KEY
A – 1.5" SURFACE COURSE ASPHALT CONCRETE
ODOT ITEM 448 – TYPE 1, PG64–22
B – TACK COAT, ODOT ITEM 407
0.10 GAL/SY
C – 3.5" INTERMEDIATE COURSE ASPHALT CONCRETE
ODOT ITEM 448 – TYPE 2, PG64–22
D – PRIME COAT, ODOT ITEM 408
0.50 GAL/SY
E – 10" AGGREGATE BASE
ODOT ITEM 304
D – COMPACTED SUBGRADE
ODOT ITEM 204



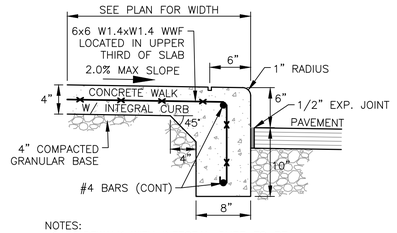
SEE GEOTECHNICAL REPORT PREPARED BY BOWSER–MORNER DATED MARCH 10, 2026 FOR ADDITIONAL INFORMATION.

HEAVY-DUTY PAVEMENT SECTION
NOT TO SCALE



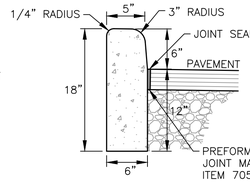
NOTES:
1. SIDEWALK TO BE CONSTRUCTED USING 3500 PSI CONCRETE.
2. SIDEWALK TO HAVE TOOLED CONTROL JOINTS NOT EXCEEDING 5 FT. SPACING IN ANY DIRECTION.
3. PROVIDE THICKENED EDGE / TURN DOWN WHERE SIDEWALK MEETS ASPHALT PAVEMENT.
4. PROVIDE EXPANSION JOINT MATERIAL WHERE SIDEWALK ABUTS BUILDING.

CONCRETE SIDEWALK DETAIL
NOT TO SCALE



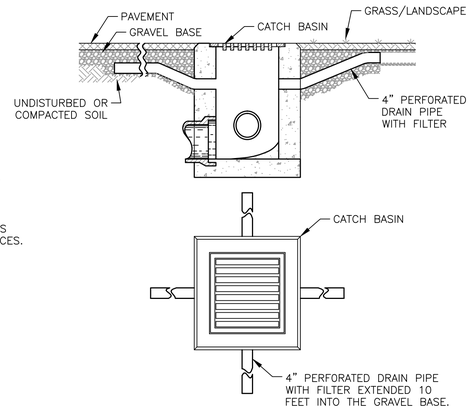
NOTES:
1. SIDEWALK WITH INTEGRAL CURB TO BE CONSTRUCTED OF 3500 PSI CONCRETE (MIN.).
2. SIDEWALK TO HAVE TOOLED CONTROL JOINTS NOT EXCEEDING 5 FT. SPACING IN ANY DIRECTION.
3. PROVIDE EXPANSION JOINT MATERIAL WHERE SIDEWALK ABUTS BUILDING.

CONCRETE SIDEWALK WITH INTEGRAL CURB DETAIL
NOT TO SCALE

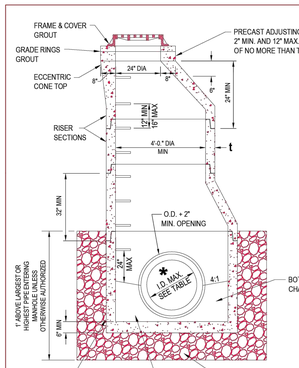


NOTES:
1. ODOT TYPE 6 CURB
2. PROVIDE A SMOOTH AND EVEN FINISH PLUS ROUNDED EDGING TO ALL EXPOSED SURFACES.

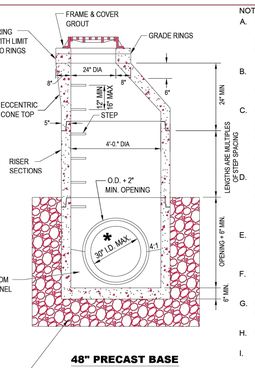
BARRIER CURB DETAIL
NOT TO SCALE



CATCH BASIN FINGER DRAIN DETAIL
NOT TO SCALE



60" TO 96" PRECAST BASE
SEE TABLE FOR MAXIMUM PIPE SIZES



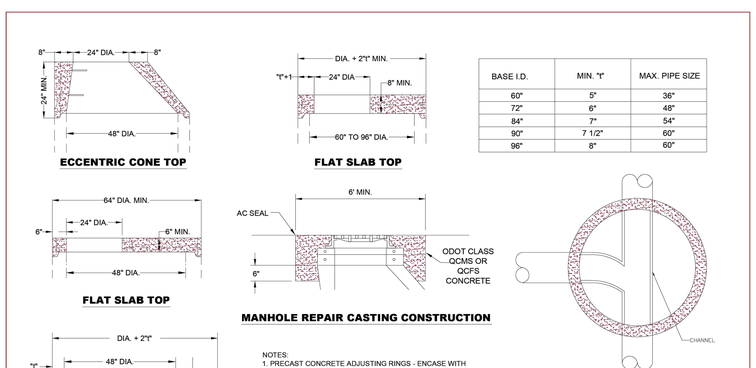
48" PRECAST BASE
FOR 30" & SMALLER PIPE

✱ BASE I.D.	MIN "t"	MAX. PIPE SIZE
60"	5"	36"
72"	6"	48"
84"	7"	54"
90"	7 1/2"	60"
96"	8"	60"

NOTE: DUE TO PIPE ORIENTATION, LARGER DIAMETER BASE THAN WHAT IS SPECIFIED TO ACCEPT PIPE MAY BE REQUIRED.

NOTES
A. STORM MANHOLE FRAME AND APPROVED VENTED LID SHALL BE EQUAL OF NEENAH NO. R-1767 OR EAST JORDON IRON WORKS NO 1600.
B. TOP AND TRANSITION (OR REDUCER) SECTIONS MY BE EITHER ECCENTRIC CONE OR FLAT SLAB.
C. OPENINGS IN RISER SECTIONS FOR 18 INCH AND SMALLER INLET PIPES MAY BE PREFABRICATED OR CUT IN THE FIELD PROVIDED THE SIDES OF THE PIPE AT THE SPRING LINE DO NOT PROJECT INTO THE MANHOLE.
D. MATERIALS FOR BASES AND OTHER PRECAST SECTIONS, INCLUDING REINFORCEMENT SHALL COMPLY WITH ODOT REQUIREMENTS OF 706.13 (ASTM C-478).
E. LOCATE THE CENTERLINE OF MANHOLE CONES OVER THE CENTERLINE OF THE MAIN SEWER WHENEVER POSSIBLE.
F. FOR PIPE SIZES LARGER THAN 60 INCHED REFER TO ODOT TYPE 4 TO 5 MANHOLE.
G. NO LATERALS MAY PROTRUDE INTO INTERNAL MANHOLE.
H. MAXIMUM SPACING SHALL BE 400 FEET.
I. WHEN CONNECTING TO AN EXISTING STORM MANHOLE CARE SHALL BE TAKEN TO KEEP OPENING AS MINIMAL AS POSSIBLE. IF POSSIBLE, SAW CUT OR USE ROTARY HAMMER FOR OPENING TO MINIMIZE DAMAGE TO STORM MANHOLE AND PIPE MUST BE CUT PARALLEL TO STORM MANHOLE. USE NON-SHRINK GROUT AROUND PIPE TO SEAL BETWEEN PIPE AND STORM MANHOLE.
J. JOINTS BETWEEN SECTIONS TO BE EITHER MORTAR OR BITUMINOUS PIPE JOINT FILLER (ODOT 706.10)

CITY OF PIQUA	TYPE 3 STORM MANHOLE	REVISIONS:	DATE APPROVED: DEC. 2016
ACCESS Engineering Solutions		12-19-16 BG	PAGE No. 600-5



BASE I.D.	MIN. "t"	MAX. PIPE SIZE
60"	5"	36"
72"	6"	48"
84"	7"	54"
90"	7 1/2"	60"
96"	8"	60"

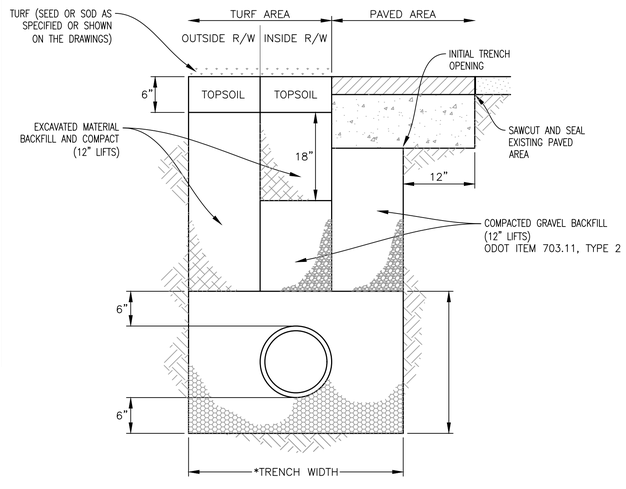
NOTES:
1. PRECAST CONCRETE ADJUSTING RINGS - ENCASE WITH CONCRETE 6" DOWN FROM BARREL TOP AND UP TO THE PAVEMENT SURFACE.
2. SET MANHOLE, PRECAST ADJUSTING RINGS AND CASTING. PAVE OVER MANHOLE. EXCAVATE CASTING AND COLLARS AND ENCASE COLLARS AND CASTINGS PER DETAIL.

NOTE:
ALL INVERTS TO BE CHANNELED FOR OPTIMUM FLOW.

CITY OF PIQUA	TYPE 3 STORM MANHOLE DETAILS	REVISIONS:	DATE APPROVED: DEC. 2016
ACCESS Engineering Solutions		12-19-16 BG	PAGE No. 600-6

STORM MANHOLE
NOT TO SCALE

NOTE: ALL RESTORATION MUST COMPLY WITH THE REQUIREMENTS OF THE LOCAL JURISDICTION



PIPE BEDDING MATERIAL

DIAMETER	ODOT TABLE 703-1 SIZE
LESS THAN 15"	#7 OR #8 – 100% CRUSHED
15" – 30"	#67 – 100% CRUSHED
GREATER THAN 30"	#57 – 100% CRUSHED

*TRENCH WIDTH

DIAMETER	TRENCH WIDTH
15" OR LESS	O.D. + 18"(MIN.)
GREATER THAN 15"	(O.D.X1.25) + 18"(MIN.)

PIPE BEDDING AND TRENCH DETAIL FOR THERMOPLASTIC PIPE
NOT TO SCALE

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

W:\Civil 3D Projects\25223 – PHS – West Parking_CAD\CIVIL\Sheets\25223_GENERAL.dwg 5/1/2026 9:33 AM Nathan

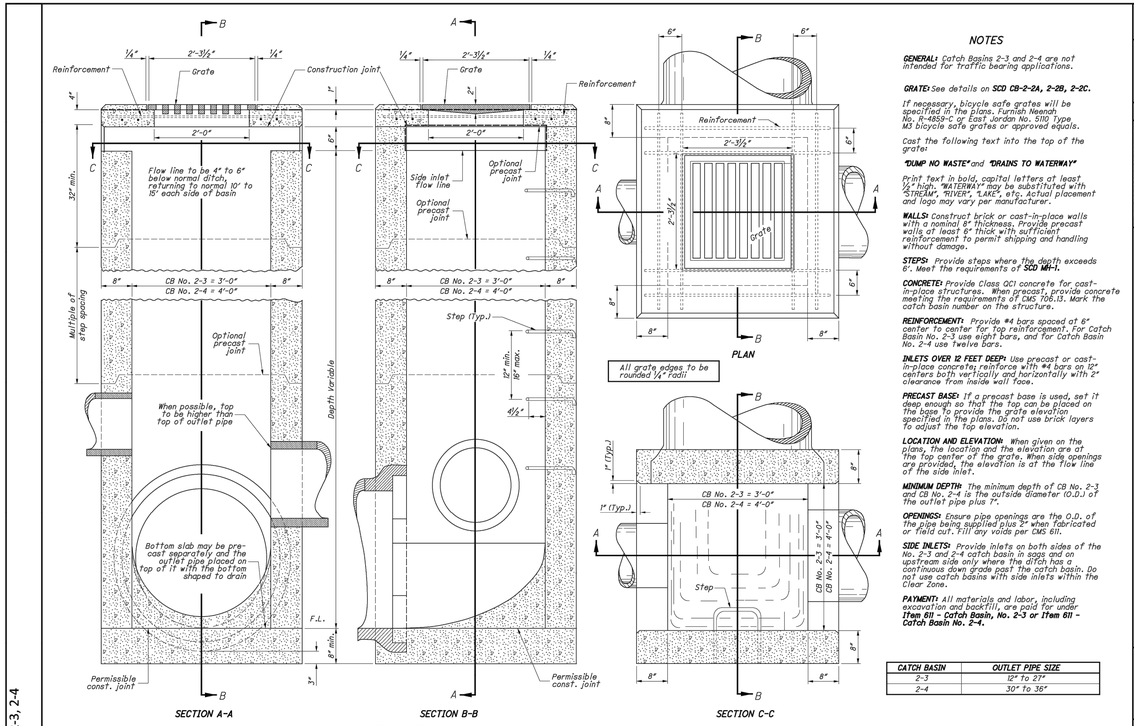
STATE OF OHIO
NATHAN D. HEY
77917
REGISTERED PROFESSIONAL ENGINEER
05/01/2026 9:36:31 AM

Item	Description	Date
1	BID SET	05/01/2026

SITE DEVELOPMENT PLANS FOR:
PIQUA HIGH SCHOOL WEST PARKING LOTS
1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT
ENGINEERS & SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0060 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	
Date: 05.01.2026	
Sheet: SITE DETAILS	
Sheet No.: C-5.0	



NOTES

GENERAL: *Catch Basins 2-3 and 2-4 are not intended for traffic bearing applications.*

GRATE: *See details on* **SCD CB-2-2A, 2-2B, 2-2C.**

If necessary, bicycle safe grates will be specified in the plans. Furnish Neenah No. R-4859-C or East Jordan No. 5110 Type M3 bicycle safe grates or approved equals.

Cast the following text into the top of the grate:

"DUMP NO WASTE" *and* ***"DRAINS TO WATERWAY"***

Print text in bold, capital letters at least ½" high. "WATERWAY" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logo may vary per manufacturer.

WALLS: *Construct brick or cast-in-place walls with a nominal 8" thickness. Provide precast walls at least 6" thick with sufficient reinforcement to permit shipping and handling without damage.*

STEPS: *Provide steps where the depth exceeds 6'. Meet the requirements of* **SCD MH-1.**

CONCRETE: *Provide Class QC1 concrete for cast-in-place structures. When precast, provide concrete meeting the requirements of CMS 706.13. Mark the catch basin number on the structure.*

REINFORCEMENT: *Provide #4 bars spaced at 6" center to center for top reinforcement. For Catch Basin No. 2-3 use eight bars, and for Catch Basin No. 2-4 use twelve bars.*

INLETS OVER 12 FEET DEEP: *Use precast or cast-in-place concrete; reinforce with #4 bars on 12" centers both vertically and horizontally with 2" clearance from inside wall face.*

PRECAST BASE: *If a precast base is used, set it deep enough so that the top can be placed on the base to provide the grate elevation specified in the plans. Do not use brick layers to adjust the top elevation.*

LOCATION AND ELEVATION: *When given on the plans, the location and the elevation are at the top center of the grate. When side openings are provided, the elevation is at the flow line of the side inlet.*

MINIMUM DEPTH: *The minimum depth of CB No. 2-3 and CB No. 2-4 is the outside diameter (O.D.) of the outlet pipe plus 7".*

OPENINGS: *Ensure pipe openings are the O.D. of the pipe being supplied plus 2" when fabricated or field cut. Fill any voids per CMS 611.*

SIDE INLETS: *Provide inlets on both sides of the No. 2-3 and 2-4 catch basin in sags and on upstream side only where the ditch has a continuous down grade past the catch basin. Do not use catch basins with side inlets within the Clear Zone.*

PAYMENT: *All materials and labor, including excavation and backfill, are paid for under* ***Item 611 - Catch Basin, No. 2-3 or Item 611 - Catch Basin No. 2-4.***

CATCH BASIN	OUTLET PIPE SIZE
2-3	12" to 27"
2-4	30" to 36"

OFFICE OF HYDRAULIC ENGINEERING

REVISIONS:
7-19-2002
7-15-2005
7-20-2012
1-18-2013
1-15-2016
7-16-2021
1-20-2023
7-19-2024

STDS ENGINEER: K. Brandon

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ENGINEERING ADMINISTRATOR: Jeffery E. Syar

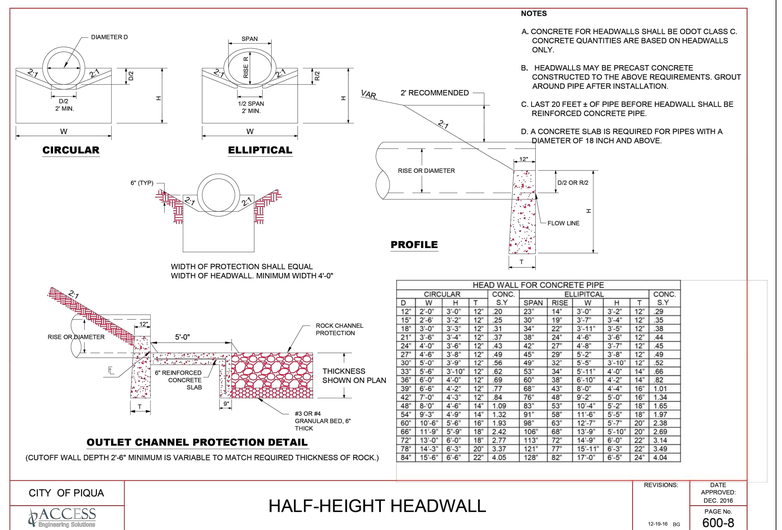
STANDARD HYDRAULIC CONSTRUCTION DRAWING
CATCH BASIN No.'s 2-3, 2-4

DESIGN AGENCY

SCD NUMBER: CB-2-3, 2-4
SHEET: P.1 | TOTAL: 1

CB-2-3, 2-4

ODOT 2-3 CATCH BASIN
NOT TO SCALE



NOTES

A. CONCRETE FOR HEADWALLS SHALL BE ODOT CLASS C. CONCRETE QUANTITIES ARE BASED ON HEADWALLS ONLY.

B. HEADWALLS MAY BE PRECAST CONCRETE CONSTRUCTED TO THE ABOVE REQUIREMENTS. GROUT AROUND PIPE AFTER INSTALLATION.

C. LAST 20 FEET ± OF PIPE BEFORE HEADWALL SHALL BE REINFORCED CONCRETE PIPE.

D. A CONCRETE SLAB IS REQUIRED FOR PIPES WITH A DIAMETER OF 18 INCH AND ABOVE.

HEAD WALL FOR CONCRETE PIPE

CIRCULAR				CONC.	ELLIPTICAL					CONC.
D	W	I	H	T	S.Y.	SPAN	RISE	W	H	T	S.Y.
12"	2'-0"	3'-0"	12"	.20		23"	14"	3'-0"	3'-2"	12"	.29
15"	2'-6"	3'-2"	12"	.25		30"	19"	3'-7"	3'-4"	12"	.35
18"	3'-0"	3'-3"	12"	.31		34"	22"	3'-11"	3'-5"	12"	.38
21"	3'-6"	3'-4"	12"	.37		38"	24"	4'-6"	3'-6"	12"	.44
24"	4'-0"	3'-6"	12"	.43		42"	27"	4'-8"	3'-7"	12"	.45
27"	4'-6"	3'-8"	12"	.49		45"	29"	5'-2"	3'-8"	12"	.49
30"	5'-0"	3'-9"	12"	.56		49"	32"	5'-5"	3'-10"	12"	.52
33"	5'-6"	3'-10"	12"	.62		53"	34"	5'-11"	4'-0"	14"	.66
36"	6'-0"	4'-0"	12"	.69		60"	38"	6'-10"	4'-2"	14"	.82
39"	6'-6"	4'-2"	12"	.77		68"	43"	8'-0"	4'-4"	16"	1.01
42"	7'-0"	4'-3"	12"	.84		76"	48"	9'-2"	5'-0"	16"	1.34
48"	8'-0"	4'-6"	14"	1.09		83"	53"	10'-4"	5'-2"	18"	1.65
54"	9'-3"	4'-9"	14"	1.32		91"	58"	11'-6"	5'-5"	18"	1.97
60"	10'-6"	5'-6"	16"	1.93		98"	63"	12'-7"	5'-7"	20"	2.38
66"	11'-9"	5'-9"	18"	2.42		106"	68"	13'-9"	5'-10"	20"	2.69
72"	13'-0"	6'-0"	18"	2.77		113"	72"	14'-9"	6'-0"	22"	3.14
78"	14'-3"	6'-3"	20"	3.37		121"	77"	15'-11"	6'-3"	22"	3.49
84"	15'-6"	6'-6"	22"	4.05		128"	82"	17'-0"	6'-5"	24"	4.04

CITY OF PIQUA

ACCESS Engineering Solutions

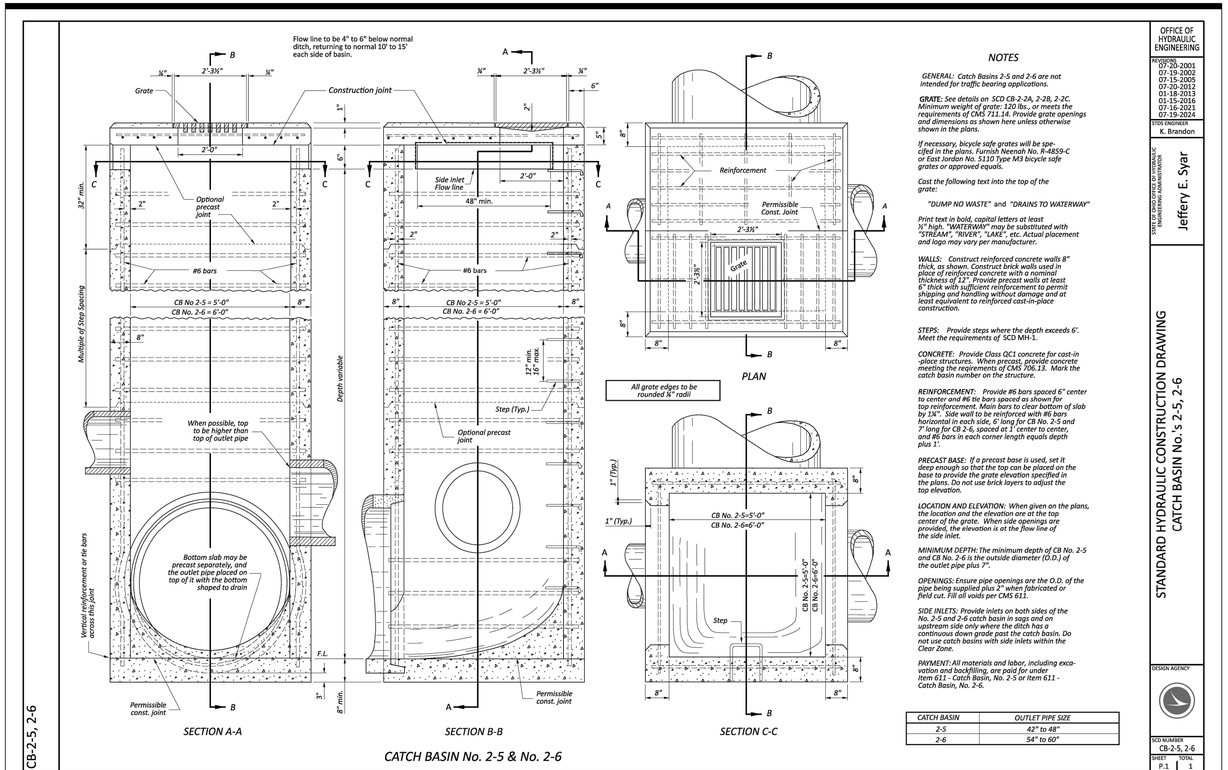
HALF-HEIGHT HEADWALL

REVISIONS: 12-19-16 BG

DATE APPROVED: DEC. 2016

PAGE No. 600-8

HALF-HEIGHT HEADWALL
NOT TO SCALE



NOTES

GENERAL: Catch Basins 2-5 and 2-6 are not intended for traffic bearing applications.

GRATE: *See details on SCD CB-2-2A, 2-2B, 2-2C. Minimum weight of grate: 120 lbs., or meets the requirements of CMS 711.14. Provide grate openings and dimensions as shown here unless otherwise shown in the plans.*

If necessary, bicycle safe grates will be specified in the plans. Furnish Neenah No. R-4859-C or East Jordan No. 5110 Type M3 bicycle safe grates or approved equals.

Cast the following text into the top of the grate:

"DUMP NO WASTE" and "DRAINS TO WATERWAY"

Print text in bold, capital letters at least ½" high. "WATERWAY" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logo may vary per manufacturer.

WALLS: Construct reinforced concrete walls 8" thick, as shown. Construct brick walls used in place of reinforced concrete with a nominal thickness of 12". Provide precast walls at least 6" thick with sufficient reinforcement to permit shipping and handling without damage and at least equivalent to reinforced cast-in-place construction.

STEPS: Provide steps where the depth exceeds 6'. Meet the requirements of SCD MH-1.

CONCRETE: Provide Class QC1 concrete for cast-in -place structures. When precast, provide concrete meeting the requirements of CMS 706.13. Mark the catch basin number on the structure.

REINFORCEMENT: Provide #6 bars spaced 6" center to center and #6 tie bars spaced as shown for top reinforcement. Main bars to clear bottom of slab by 1½". Side wall to be reinforced with #6 bars horizontal in each side, 6' long for CB No. 2-5 and 7' long for CB 2-6, spaced at 1' center to center, and #6 bars in each corner length equals depth plus 1'.

PRECAST BASE: If a precast base is used, set it deep enough so that the top can be placed on the base to provide the grate elevation specified in the plans. Do not use brick layers to adjust the top elevation.

LOCATION AND ELEVATION: When given on the plans, the location and the elevation are at the top center of the grate. When side openings are provided, the elevation is at the flow line of the side inlet.

MINIMUM DEPTH: The minimum depth of CB No. 2-5 and CB No. 2-6 is the outside diameter (O.D.) of the outlet pipe plus 7".

OPENINGS: Ensure pipe openings are the O.D. of the pipe being supplied plus 2" when fabricated or field cut. Fill all voids per CMS 611.

SIDE INLETS: Provide inlets on both sides of the No. 2-5 and 2-6 catch basin in sags and on upstream side only where the ditch has a continuous down grade past the catch basin. Do not use catch basins with side inlets within the Clear Zone.

PAYMENT: All materials and labor, including excavation and backfilling, are paid for under Item 611 - Catch Basin, No. 2-5 or Item 611 - Catch Basin, No. 2-6.

CATCH BASIN	OUTLET PIPE SIZE
2-5	42" to 48"
2-6	54" to 60"

OFFICE OF HYDRAULIC ENGINEERING

REVISIONS:
07-20-2001
07-19-2002
07-15-2005
07-20-2012
01-18-2013
01-15-2016
07-16-2021
07-19-2024

STDS ENGINEER: K. Brandon

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ENGINEERING ADMINISTRATOR: Jeffery E. Syar

STANDARD HYDRAULIC CONSTRUCTION DRAWING
CATCH BASIN No.'s 2-5, 2-6

DESIGN AGENCY

SCD NUMBER: CB-2-5, 2-6
SHEET: P.1 | TOTAL: 1

CB-2-5, 2-6

ODOT 2-5 CATCH BASIN
NOT TO SCALE

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

W:\Civil 3D Projects\25223 – PHS – West Parking_CAD\CIVIL\Sheets\25223_GENERAL.dwg 5/1/2026 9:33 AM Nathan

NATHAN D. HEY — 77917 — REGISTERED PROFESSIONAL ENGINEER — STATE OF OHIO

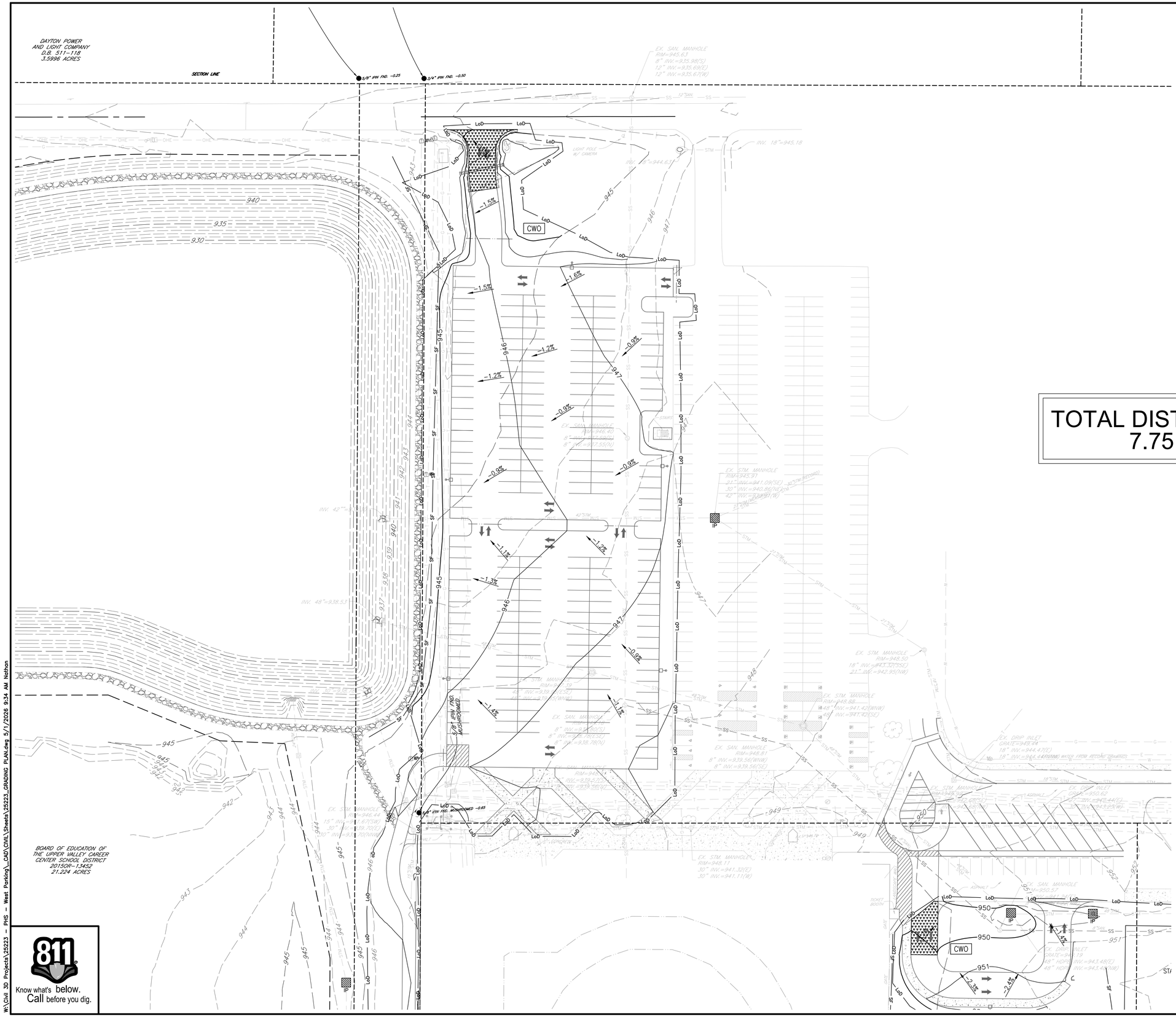
05/01/2026 9:36:31 AM

Item	Description	Date
1	BID SET	05/01/2026

SITE DEVELOPMENT PLANS FOR:
PIQUA HIGH SCHOOL WEST PARKING LOTS
1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT ENGINEERS • SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0060 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	
Date: 05.01.2026	
Sheet: SITE DETAILS	
Sheet No.: C-5.1	


DAYTON POWER AND LIGHT COMPANY D.B. 511-118 3.5996 ACRES
SECTION LINE
5/8" IRN FND. -0.25
3/4" IRN FND. -0.50
BOARD OF EDUCATION OF THE UPPER VALLEY CAREER CENTER SCHOOL DISTRICT 2015OR-13452 21.224 ACRES
CWO
LoD
SF
IP
-1.5%
-1.6%
-1.2%
-0.9%
-1.1%
-1.3%
-1.4%
-1.7%
-2.3%
940
945
950
951
952
STM
SS
OHE
EX. SAN. MANHOLE RIM=945.63 8" INV.=935.98(S) 12" INV.=935.63(E) 12" INV.=935.67(W)
EX. SAN. MANHOLE RIM=946.40 8" INV.=937.55(N)
EX. STM. MANHOLE RIM=945.91 21" INV.=941.09(SE) 30" INV.=940.86(NE) 42" INV.=939.91(W)
EX. STM. MANHOLE RIM=948.50 18" INV.=943.30(SSE) 21" INV.=942.95(NW)
EX. STM. MANHOLE RIM=948.88 48" INV.=941.42(WNW) 48" INV.=941.42(SE)
EX. SAN. MANHOLE RIM=948.81 8" INV.=939.56(WNW) 8" INV.=939.56(SE)
EX. STM. MANHOLE RIM=948.11 30" INV.=941.11(W)
EX. DRIP INLET GRATE=949.74 18" INV.=944.47(E) 18" INV.=944.44(WNW)
EX. DRIP INLET GRATE=950.02 18" INV.=944.44(E) 18" INV.=944.24(W)
EX. SAN. MANHOLE RIM=950.57
EX. DRIP INLET GRATE=949.19 18" HDPE INV.=943.48(E) 18" HDPE INV.=943.48(NW)
LIGHT POLE W/ CAMERA
INV. 18"=944.63
INV. 18"=945.18
INV. 48"=938.53
INV. 30"=938.68
INV. 42"=938.78
INV. 42"=938.93
INV. 42"=939.08
INV. 42"=939.23
INV. 42"=939.38
INV. 42"=939.53
INV. 42"=939.68
INV. 42"=939.83
INV. 42"=939.98
INV. 42"=940.13
INV. 42"=940.28
INV. 42"=940.43
INV. 42"=940.58
INV. 42"=940.73
INV. 42"=940.88
INV. 42"=941.03
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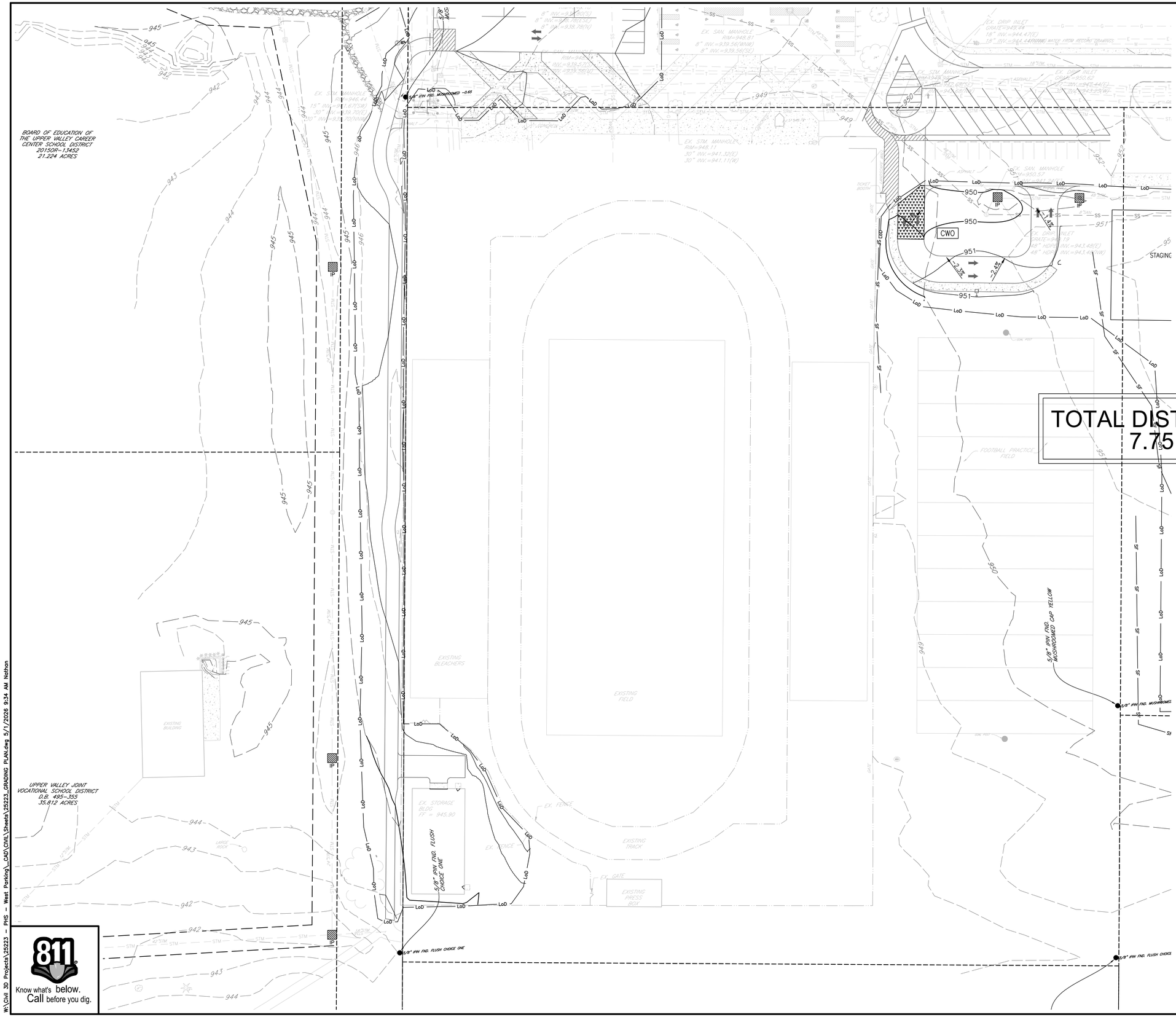
INV. 42"=941.63
INV.



PROPOSED EROSION CONTROL LEGEND

- IP — INLET PROTECTION — SEE DETAIL ON SHEET C-6.2
- SF — SILT FENCE — SEE DETAIL ON SHEET C-6.2
- CWO — CONCRETE WASHOUT — SEE DETAIL ON SHEET C-6.2
- CONSTRUCTION ENTRANCE — SEE DETAIL ON SHEET C-6.2
- LoD — LIMITS OF DISTURBANCE

TOTAL DISTURBED AREA
7.75 ± acres

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W:\Civil 3D Projects\25223 - PHS - West Parking_CAD\CIVIL\Sheets\25223_GRADING PLAN.dwg 5/1/2026 9:34 AM Nathon

STATE OF OHIO — NATHAN D. TIBEY — 77917 — REGISTERED PROFESSIONAL ENGINEER
05/01/2026 9:36:32 AM

Item	Description	Date
1	BID SET	05/01/2026

SITE DEVELOPMENT PLANS FOR:
PIQUA HIGH SCHOOL WEST PARKING LOTS
1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT
ENGINEERS ▼ SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0060 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	

Date: 05.01.2026

Sheet: SOUTH SWPPP PLAN

Sheet No.: C-6.1

TOTAL DISTURBED AREA
7.75 ± acres

GRAPHIC SCALE
40 0 20 40
1 inch = 40 ft.

PROPOSED EROSION CONTROL LEGEND

- IP — INLET PROTECTION — SEE DETAIL ON SHEET C-6.2
- SF — SILT FENCE — SEE DETAIL ON SHEET C-6.2
- CWO — CONCRETE WASHOUT — SEE DETAIL ON SHEET C-6.2
- CONSTRUCTION ENTRANCE — SEE DETAIL ON SHEET C-6.2
- LoD — LIMITS OF DISTURBANCE

STAGING AREA

SUITABLE FILL DIRT STOCKPILE AREA

TOPSOIL STOCKPILE AREA

FOOTBALL PRACTICE FIELD

EXISTING WATER FROM RECORD DRAWINGS

5/8" IRON PIN, END MUSHROOMED CAP, YELLOW -0.25

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

W:\Civil 3D Projects\25223 - PHS - West Parking_CAD\Civil\Sheets\25223_GRADING PLAN.dwg 5/1/2026 9:34 AM Nathan

STATE OF OHIO — NATHAN D. TIBEY — 77917 — REGISTERED PROFESSIONAL ENGINEER

05/01/2026 9:36:32 AM

Item	Description	Date
1	BID SET	05/01/2026

SITE DEVELOPMENT PLANS FOR:

PIQUA HIGH SCHOOL WEST PARKING LOTS

1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT ENGINEERS ▾ SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0069 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	

Date: 05.01.2026

Sheet: EAST SWPPP PLAN

Sheet No.: C-6.2

GENERAL STORMWATER POLLUTION PREVENTION NOTES

1. All erosion and sediment control practices must conform to the standards and specifications set forth by the Local, State, and Federal Authorities.
2. Construction activities shall be scheduled such that a minimum area of the site is disturbed at a time. Construction operation shall be scheduled and performed so that preventative soil erosion control measures are in place prior to excavation in critical areas and temporary stabilization measures are in place immediately following backfilling operations. Contractor shall reduce effects of storm water by using and/or maintaining grassed swales, infiltration structures, or water diversions.
3. Special precautions will be taken in the use of construction equipment to prevent situations that promote erosion.
4. Cleanup will be done in a manner to ensure that erosion control measures are not disturbed.
5. The soil erosion controls are to be inspected once a week and within 24 hours of a 0.50 inch or greater rain event. A written log of these inspections and improvements to controls shall be kept on site. The logs shall include the date of inspection, name of the inspector, weather conditions, actions taken to correct any problems and the date corrective actions were taken.
6. Temporary soil stabilization shall occur within 7 days after rough grading if the area will remain idle longer than 14 days. Any disturbed area that is not going to be worked for 365 days or more must be permanently stabilized (seeded and mulched) within 7 days of most recent disturbance.
7. Trenches for underground utility lines and pipes shall be temporarily stabilized within 7 days if they are to remain inactive for 14 days. Trench dewatering devices shall discharge in a manner that filters soil-laden water before discharging it to a receiving drainage ditch or pond. If seeding, mulching or other erosion and sediment control measures were previously installed; these protective measures shall be reinstalled. Pipelines with joints that allow a manufactured length of pipe to be placed in the trench with the pipe joint assembled/made in the trench require an open pipeline trench that is only slightly longer than the length of pipe being installed. The total length of excavated trench open at any time should not be greater than the total length of pipeline/utility that can be placed in the trench and backfilled in one working day. No more than 50 linear feet of open trench should exist when pipeline/utility line installation ceases at the end of the work day.
8. Soil stockpiles shall be stabilized or protected to prevent soil loss.
9. All disturbed areas shall be permanently stabilized within 7 days of final grading. Further, soil erosion control measures shall be maintained until permanent stabilization is complete, at which time temporary measures will be removed. Permanent vegetation is a ground cover dense enough to cover 80% of the soil surface and mature enough to survive winter weather conditions.
10. Silt fence to be 2' minimum from property lines in areas where work is near adjacent properties.
11. The Contractor shall establish a permanent on-site benchmark prior to clearing, grubbing and/or demolition.
12. Haul Routes - The Contractor shall be responsible for the cleanup of any mud, dirt, or debris deposited on haul roads as a result of his operations. Soil shall be removed from roads and paved surfaces at the end of each day in such a manner that does not create off-site sedimentation in order to ensure safety and abate off-site soil loss. Collected sediments shall be placed in a stable location on site or taken off-site to a stable location. Contractor shall use State Routes (and shortest distance non-state routes) for project haul route.
13. No solid or liquid waste shall be discharged into storm water runoff.
14. Disposal of solid, sanitary and toxic waste - Solid, sanitary and toxic waste must be disposed of in a proper manner in accordance with local, state and federal regulations. It is prohibited to burn, bury or pour out onto ground or into storm sewer any solvents, paint, stains, gasoline, diesel fuel, used motor oil, hydraulic fluid, antifreeze, cement curing compounds and other such toxic or hazardous waste.
15. Wash out of cement trucks should occur in the designated area where the washing can collect and be disposed of properly when it hardens.
16. If a concrete washout area, and/or a stockpile area are needed, a delineated area for each must be provided and maintained for them. Areas can be located in an alternate location than that shown on the plans if necessary due to construction operations and other field considerations.
17. No fuel storage is permitted on-site.
18. All storm sewers, infiltration, detention, and retention areas shall be cleared of construction sediment upon completion of construction.
19. The General Contractor shall be responsible for submitting a Notice of Intent (NOI) and Notice of Termination (NOT) as required by the Ohio EPA.
20. The General Contractor is responsible for ensuring that all soil erosion and sediment control practices comply with the Ohio EPA's General Permit for Construction No. OHC000005 and follow the best practices set forth in the ODNR Rainwater and Land Development Manual.
21. Dumpsters shall be provided for the disposal of debris, trash, hazardous and petroleum waste. All containers must be covered and leak proof.
22. All construction and demolition debris waste will be disposed of in an OEPA approved C&DD landfill as required by Ohio Revised Code 3714.
23. Any areas that will be used for mixing or storing fertilizers, lime, asphalt or concrete or used for vehicle fueling shall be designated and these areas should be kept away from any watercourses or storm sewers.
24. A Spill Prevention Control and Countermeasures (SPCC) Plan shall be developed if the site has one above ground storage tank of 660 gallons or more, total above ground tank storage of 1330 gallons, or below ground storage of 42,000 gallons of fuel.
25. All contaminated soils must be treated and/or disposed in OEPA approved soild waste management facilities or hazardous waste treatment, storage or disposal facilities (TSDFs).
26. In the event of a large release of petroleum waste (25 gallons or more) contractor shall contact OEPA at 1-800-282-9378, the local fire department and the local emergency planning committee (LEPC) within 30 minutes of spill.
27. Protected storage areas for industrial or construction materials shall be used to minimize exposure of such materials to storm water.
28. If the Contractor uses pumps to assist in construction dewatering efforts, the water must be filtered prior to discharging it into the municipal storm sewer system, ensuring that no soil, silt or sediment enters the system.
29. Contractor to review and determine the best locations for construction entrance, concrete washout, dumpsters, and other SWPPP elements. All dirt and sediment is to be kept off public streets.
30. Contractor shall coordinate all soil erosion control and construction entrance with the City of Piqua prior to start.

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SOIL EROSION CONTROL SEQUENCE OF CONSTRUCTION

A. Stone tracking pad atop geotextile liner.
B. Install silt fence and protection fencing.
C. Install sediment basin if applicable.
D. Initial clearing, grubbing, and demolition.
E. Strip and stockpile top soil.
F. Rough grade and balance site.
G. Install underground utilities (i.e. Sanitary, Storm & Water)
H. Place inlet filters on all storm inlets.
I. Install franchise utilities (i.e. Gas, Electric, Telephone & Cable TV).
J. Final grade site.
K. Install pavement, curb, and other hardscape structures/surfaces.
L. Stabilize ditches, swales, common areas and slopes.
M. Establish permanent vegetation for all disturbed areas.
N. Remove all temporary erosion and sediment control devices.
O. Clean out storm sewer system, infiltration, detention, and retention areas upon completion.

SOIL EROSION CONTROL MAINTENANCE

1. Inlet protection devices and barriers shall be repaired or replaced if they show signs of undermining or deterioration.
2. All seeded areas shall be checked regularly to see that a good stand is maintained. Areas should be fertilized, watered, and reseeded as necessary.
3. Silt fences shall be repaired to their original conditions if damaged. Sediment shall be removed from the silt fences when it reaches one-half the height of the silt fence.
4. The construction entrance shall be maintained in a condition which will prevent tracking or flow of mud onto public rights-of-way.
5. Sediment from the storm sewers, infiltration, detention, and retention areas shall be removed as necessary to maintain proper functionality.

SOIL EROSION CONTROL PRODUCT NOTES

All stormwater inlets shall be protected with Geotextile Inlet Protection or Inlet Filters (Dandy Products, Flexstorm, or equivalent).

INSPECTION NOTES

1. Inspections shall be made weekly and within 24 hours after a rain event of 0.5 inches within a 24 hour period. Inspection frequency may be reduced to monthly for dormant sites if the entire site is temporarily stabilized or if runoff is unlikely due to weather conditions for extended periods of time.
2. Only qualified inspection personnel shall perform inspections.
3. Inspection checklist shall be completed and signed by the inspector after every inspection. The inspection checklist shall contain the following: date, name/title/qualifications of inspectors, weather for the period since the last inspection (rainfall amounts, duration, etc.), weather and description of any discharges occuring at time of inspection, location of discharges or other pollutants from the site, location of BMP needing maintenance, location of any failed BMPs, location for additional BMPs needed based on inspection, corrective actions required including any changes to the SWP3 and implementation dates.
4. The inspection records are to be kept 3 years after termination of construction activity.
5. Non sediment pond BMPs are to be repaired 3 days after inspections and sediment ponds to be repaired or cleaned out within 10 days after inspection.
6. If a BMP is not functioning like it was intended to it shall be replaced within 10 days of inspection.
7. For missing BMPs they shall be installed within 10 days of inspection.

SITE OVERVIEW:

NATURE OF CONSTRUCTION ACTIVITY: Project consists of constructing two new parking lots. Mass grading will be performed as necessary to construct the project and we anticipate that existing soils may need to be transported off site due to the grading cuts expected. Runoff from the site will be collected in a new storm sewer system and routed into the existing regional detention basin which controls storm water quantity and quality for this project. Soil erosion control measures will be implemented throughout construction to prevent soil, silt, and other debris from entering the public storm sewer system.

TOTAL AREA TO BE DISTURBED: Approximately 6.38 acres will be disturbed.

EXISTING SOILS: Site consists of Brookston Silty Clay Loam, Celina Silt Loam, Crosby Silt Loam and Odell Silt Loam.

EXISTING LAND USE: Land is currently used as lawn space and pavement. Land use will change to two new parking lots and lawn space. Property is not known to have had hazardous or solid waste.

NAME OF SURFACE WATER: The storm water enters an existing 54" culvert opening near the rear of the Upper Valley Career Center and ultimately drains into Garbry Creek.

WETLANDS: There are no wetlands in the work area.

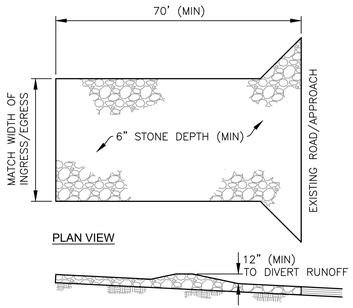
DISTURBED AREA CALCULATIONS AND RUNOFF COEFFICIENTS

Total Area Disturbed = 7.75 Acres

Pre-Developed Condition:
Percent Impervious = 0.28% (0.02 Acres)
Runoff Coefficient = 0.30

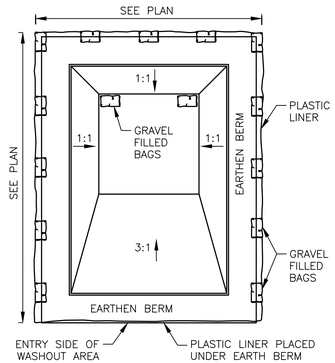
Post-Developed Condition:
Percent Impervious = 56.4% (4.37 Acres)
Runoff Coefficient = 0.64

*Runoff Coefficient Used for Impervious Areas = 0.90
*Runoff Coefficient Used for Lawns = 0.30



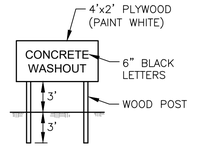
NOTES:
1. STONE SHALL BE 1.5"–2.5" IN DIAMETER
2. GEOTEXTILE FABRIC SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. (US 200 OR EQUIV.)

CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

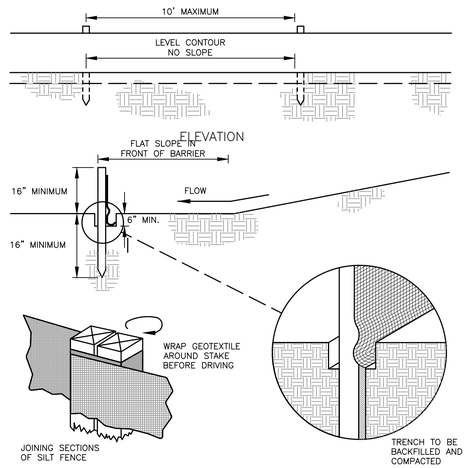


NOTES:
1. PLASTIC LINER SHALL BE ANCHORED WITH GRAVEL–FILLED BAGS.
2. CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10' OF THE CONCRETE WASHOUT AREA.

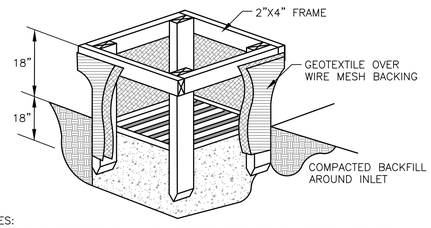
CONCRETE WASHOUT AREA
NOT TO SCALE



CONCRETE WASHOUT SIGN
NOT TO SCALE

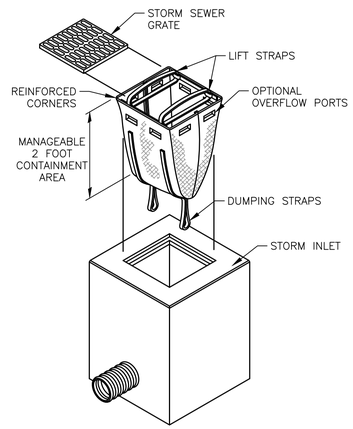


SILT FENCE & INLET PROTECTION INSTALLATION DETAIL
NOT TO SCALE



NOTES:
1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 IN.
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2–BY–4–IN. CONSTRUCTION–GRADE LUMBER. THE 2–BY–4–IN. POSTS SHALL BE DRIVEN 1 FT. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2–BY–4–IN. FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20–40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 IN. BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6–IN. LAYERS UNTIL EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
7. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 IN. HIGHER THAN THE TOP OF THE FRAME.

INLET PROTECTION DETAIL
NOT TO SCALE



DANDY SACK™ DETAIL
NOT TO SCALE

STATE OF OHIO
NATHAN D. HINEY
67917
REGISTERED PROFESSIONAL ENGINEER
05/01/2026 9:36:32 AM

Item	Description	Date
1	BID SET	05/01/2026

SITE DEVELOPMENT PLANS FOR:
PIQUA HIGH SCHOOL WEST PARKING LOTS
1 INDIAN TRAIL
CITY OF PIQUA, MIAMI COUNTY, OHIO

BURKHARDT ENGINEERS • SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0060 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

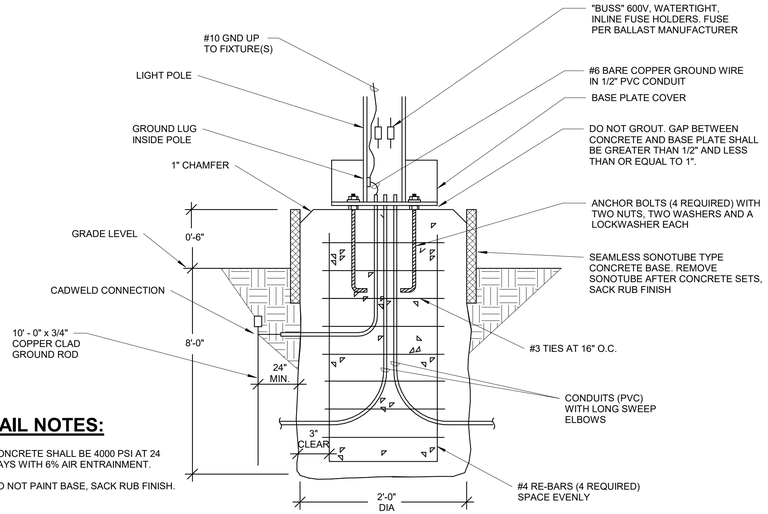
Design: NDT	Proj: 25223
Draw: NDT	Dwg:
Check: SRF	Tab:
Scale: SEE SHEET	

Date: 05.01.2026

Sheet: SWPPP NOTES & DETAILS

Sheet No.: C-6.3

W:\Civil 3D Projects\25223 – PHS – West Parking_CAD\CIVIL\Sheets\25223_GENERAL.dwg 5/1/2026 9:34 AM Nathan



DETAIL NOTES:

1. CONCRETE SHALL BE 4000 PSI AT 24 DAYS WITH 6% AIR ENTRAINMENT.
2. DO NOT PAINT BASE, SACK RUB FINISH.

② PARKING LOT POLE BASE
NTS

ABBREVIATIONS

A	AMPS
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BKR	BREAKER
C	CONDUIT
CATV	CABLE TELEVISION
CUH	CABINET UNIT HEATER
CKT	CIRCUIT
Cu	COPPER
E	EXISTING
EF	EXHAUST FAN
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	EMERGENCY METALLIC TUBING
FCU	FAN COIL UNIT
G	GROUND
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
HP	HORSEPOWER
J	JUNCTION BOX
KVA	KILOVOLT AMPERE
KW	KILOWATTS
LGTG	LIGHTING
MECH	MECHANICAL
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
PVC	POLYVINYL CHLORIDE
P	PHASE (POLE)
TTB	TELEPHONE TERMINAL BOX
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
V	VOLTS
VAV	VARIABLE AIR VOLUME
VIF	VERIFY IN FIELD
W	WATTS
WC	WATER COOLER
WP	WEATHERPROOF
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE

GENERAL PROJECT NOTES

1. WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL, STATE OF OHIO, 2023 NEC AND NATIONAL CODES, RECOMMENDATIONS, REGULATIONS, AND REQUIREMENTS.
2. CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING AS REQUIRED FOR HIS WORK. OPENING SHALL BE FILLED IN, PATCHED, PAINTED AND FINISHED IN A MANNER TO MATCH THE QUALITY OF THE EXISTING, LIKE ADJACENT SURFACES.
3. ALL CONDUIT SHALL BE 3/4" MINIMUM U.N.O. MC CABLE IS ALLOWED.
4. ALL BRANCH CIRCUITS AND FEEDERS SHALL CONTAIN A GREEN INSULATED GROUND CONDUCTOR. GROUNDING BY MEANS OF RACEWAY IS NOT PERMITTED.
5. NO MORE THAN 3 PHASE CONDUCTORS SHALL BE INSTALLED IN ANY ONE CIRCUIT, UNLESS NOTED OTHERWISE. EACH BRANCH CIRCUIT SHALL CONTAIN THEIR OWN NEUTRAL CONDUCTOR. NO SHARED NEUTRALS.
6. BRANCH CIRCUIT WIRING CHART TO BE UTILIZED AS GUIDELINE FOR VOLTAGE DROP COMPENSATION, INCREASE CONDUIT SIZING PER WIRE SIZE. (APPLIES TO ALL SHEETS)
   A. 20A-277 VOLT CIRCUITS
      a. #12 WIRE - 75' LENGTH MAX.
      b. #10 WIRE - 125' LENGTH MAX. - #10 GRD.
      c. #8 WIRE - 200' LENGTH MAX. - #8 GRD.
      d. #6 WIRE - 300' LENGTH MAX. - #6 GRD.
7. PROVIDE ALL PULL BOXES, IN ACCESSIBLE AREA, THAT EXCEED NEC NUMBER OF BENDS OR LENGTH IN FEEDER AND BRANCH CIRCUITS. INSTALL BOXES WHERE REQUIRED PER CODE.
8. VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION, TRENCHING, OR DRILLING.
9. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED JUNCTION BOXES, PULL BOXES. ETC FOR A COMPLETE INSTALLATION PER THE N.E.C. AND LOCAL CODES. ALL CONDUCTORS SHALL BE RATED FOR 90 DEGREE CELSIUS.
10. ALL LOADS CALCULATED AND SHARED ON THESE PLANS ARE INTENDED FOR ENGINEERING USE ONLY AND NOT INTENDED TO BE USED BY ANYONE ELSE FOR ANY REASON. ANY USE OF THESE CALCULATIONS BY ANYONE OTHER THAN L2 ENGINEERING IS DONE AT THEIR OWN RISK.
11. FINAL COORDINATION WITH EQUIPMENT IS THE RESPONSIBILTY OF THE E.C. COORDINATION SHOWN ON PLANS IS FOR THE BASIS OF DESIGN, ANY CHANGES TO EQUIPMENT FOR ANY REASON MUST BE COORDINATED BY THE E.C. PRIOR TO ROUGH IN OR PURCHASING OF ELECTRICAL EQUIPMENT.
12. THE ELECTRICAL SCOPE INCLUDES ALL CONSTRUCTION DOCUMENTS. SOME OF THE ELECTRICAL DEMOLITION AND NEW WORK SCOPE OR DETAILS MAY BE SHOWN ON OTHER DISCIPLINES INCLUDING, BUT NOT LIMITED TO, ARCHITECTRUAL, PLUMBING AND HAVC DRAWINGS. IT IS THE RSPONSIBILITY OF THE EC TO REVIEW ALL DOCUMENTS AND PROVIDE ALL LABOR AND MATERIALS SHOWN ON ALL DRAWINGS AND ALL SPECIFICATIONS. EC IS RESPONSIBLE FOR OBTAINING A COMPLETE SET OF THE CONSTRUCTION DOCUMENTS.
13. CONDUCTORS FOR BRANCH CIRCUITRY ARE #12 AWG MINIMUM, UNLESS NOTED. DERATE PER CODE WHERE CIRCUITS ARE COMBINED.
14. ALL HOMERUN CONDUCTORS BACK TO PANEL SHALL BE #10 AWG MINIMUM, UNLESS NOTED. PROVIDE A GREEN GROUND CONDUCTOR IN ALL BRANCH CIRCUITRY. DERATE PER CODE WHERE CIRCUITS ARE COMBINED.
15. WHERE TERMINATED IN J-BOX, ALL SPARE CIRCUITRY SHALL BE LABELED WITH PANEL AND CIRCUIT NUMBER.

ELECTRICAL LEGEND

LIGHTING

A1	LIGHTING FIXTURE. REFER TO FIXTURE SCHEDULE. LETTER INDICATES TYPE.
A1 NL	EMERGENCY LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP. "NL" INDICATES NIGHT LIGHT CIRCUIT. REFER TO FIXTURE SCHEDULE FOR BATTERY REQUIREMENTS.
C1	LIGHTING FIXTURE. LETTER INDICATES TYPE.
C1	EMERGENCY LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP.
X1	CEILING MOUNTED EXIT SIGN. REFER TO FIXTURE SCHEDULE. SHADED AREA DENOTES FACE(S) OF UNIT. CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.
X1	WALL MOUNTED EXIT SIGN. REFER TO FIXTURE SCHEDULE. SHADED AREA DENOTES FACE(S) OF UNIT. CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.
EM	EMERGENCY EGRESS LIGHT. REFER TO FIXTURE SCHEDULE.
D	CEILING MOUNTED DAYLIGHT SENSOR.
OC	CEILING MOUNTED OCCUPANCY SENSOR.
	SINGLE POLE WALL SWITCH. 120/277 VOLT, 20 AMP. 44" AFF.
	POLE MOUNTED LIGHTING FIXTURE. REFER TO FIXTURE SCHEDULE FOR REQUIREMENTS AND POLE INFORMATION.
	EXTERIOR LIGHT FIXTURE. ER, EXISTING TO REMAIN, PL1 - NEW FIXTURE. REFER TO FIXTURE SCHEDULE.
PC	PHOTOCELL

POWER

	DUPLEX RECEPTACLE. 120 VOLT, 20 AMP. 18" AFF UNO.
	DUPLEX RECEPTACLE MOUNTED AT 44" OR ABOVE BACKSPLASH. 120 VOLT, 20 AMP.
	DOUBLE DUPLEX RECEPTACLE. 120 VOLT, 20 AMP. 18" AFF UNO.
	120 VOLT DOUBLE DUPLEX, 20 AMP RECEPTACLE MOUNTED AT 46" AFF OR 4" ABOVE BACKSPLASH.
GF/WP	DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTION. 120 VOLT, 20 AMP. 18" AFF UNO, WP-WEATHERPROOF BOX
C	DUPLEX RECEPTACLE. CEILING MOUNTED
	SPECIAL PURPOSE RECEPTACE. REFER TO FLOOR PLANS FOR NEMA CONFIGURATION.
m	FRACTIONAL HP MOTOR STARTER WITH THERMAL OVERLOADS.
	ELECTRICAL MOTOR.
XXX-1	HOMERUN TO PANELBOARD. NOTION INDICATES PANEL AND CIRCUIT NUMBER. (ALL CONDUCTORS SHALL BE #10 UNLESS NOTED OTHERWISE.)
	ELECTRICAL PANELBOARD.
J	JUNCTION BOX.
	CONDUIT STUB-OUT AND CAP BELOW GRADE. MARK STUB-OUT AT GRADE LEVEL.
UE	UNDERGROUND HIGH VOLTAGE OR SECONDARY SERVICE FEED.
4X	SAFETY DISCONNECT SWITCH (NON-FUSED). 4X INDICATES ENCLOSURE TYPE.
	SAFETY DISCONNECT SWITCH (FUSED).
	COMBINATON MOTOR STARTER/DISCONNECT. WITH HOA SWITCH AT UNIT (FUSIBLE). OR (CIRCUIT BREAKER FOR ELEVATOR).
T1	TRANSFORMER (NUMBER INDICATES WHICH TRANSFORMER).

GENERAL

- ---	DETAIL # ____ DETAIL REFERENCE TAG, DRAWING # REFER TO DETAIL SHEETS
XX	KEYNOTE FOR DRAWING
	DETAIL REFERENCE TAG (SECTION)
	INDICATES NEW WORK.
	INDICATES TO BE REMOVED.
	INDICATES EXISTING TO REMAIN.

LIGHTING FIXTURE SCHEDULE

FIXTURE SYMBOL	FIXTURE VOLTAGE	FIXTURE INPUT WATTS	TEMPERATURE (K)	DELIVERED LUMENS	MANUFACTURER AND MODEL NUMBER	OTHER ACCEPTABLE MANUFACTURER	DIFFUSER MEDIA	CLASSIFICATION	TRIM COLOR						MOUNTING	SIZE (IN.)			NOTES
								EM - EMERGENCY N - NORMAL HAZ - HAZARDOUS HB - HIGH BAY LB - LOW BAY HM - HIGH MAST	WHITE	NICKEL	CHROME	BRUSHED NICKEL	STANDARD	SEE NOTE	S - SURFACE R - RECESSED SM - STEM MTD. WM - WALL MTD. C - CHAIN MTD. UC - UNDER CAB. CS - CEIL. SURF. PM - POLE MTD.	DIAMETER OR WIDTH	LENGTH	DEPTH	
FL1	480	170	5000	18759	LITHONIA #DSXF3-LED-6-P2-50K-70CRI-MFL-480-IS-PE-DDBXD	AS PRE-APPROVED	-	-					1	PM	-	-	-	2,6,7
FL2	480	140	5000	20038	LITHONIA #DSXF3-LED-6-P2-50K-70CRI-FL-480-IS-PE-DDBXD	AS PRE-APPROVED	-	-					1	PM	-	-	-	2,6,7
LP1	-	-	-	-	EXO #SSSH-28-50B-TA-BDBT-DB-VM2-BHH-2-180	AS PRE-APPROVED	-	-					1	-	-	-	-	3
LP2	-	-	-	-	EXO #SSS-H-28-50B-TA-BDBT-DB-VM2-BHH-3-120	AS PRE-APPROVED	-	-					1	-	-	-	-	4
LP3	-	-	-	-	EXO# SSS-H-28-50B-TA-BDBT-DB-VM2-BHH-4-90	AS PRE-APPROVED	-	-					1	-	-	-	-	5

NOTES:

1. DARK BRONZE.
2. PROVIDE TENON MOUNTING OPTION. REFER TO ASSOCIATED LIGHT POLE FOR MOUNTING CONFIGURATION.
3. PROVIDE TENON BRACKET FOR TWO FIXTURES MOUNTED AT 180 DEGREES.
4. PROVIDE TENON BRACKET FOR THREE FIXTURES MOUNTED AT 120 DEGREES.
5. PROVIDE TENON BRACKET FOR FOUR FIXTURES MOUNTED AT 90 DEGREES.
6. FIXTURES SHALL HAVE INTEGRAL PHOTOCELL CONTROLS.
7. REFER TO PLANS FOR POLES THAT REQUIRE 3/4" COUPLING AT 12' FOR CAMERA MOUNTING LOCATION. POLE OPTION #C07-X-12.

ELECTRICAL INDEX OF DRAWINGS

SHEET NUMBER	SHEET NAME
E0.1	ELECTRICAL LEGEND, SCHEDULES, GENERAL NOTES, AND DETAILS
E0.2	ELECTRICAL SPECIFICATIONS
E1.0	OVERALL SITE LIGHTING PLAN
E1.1	FOOTBALL LOT - SITE LIGHTING
E1.2	TENNIS LOT - SITE LIGHTING

L2 ENGINEERING
7949 Washington Woods Dr
Dayton, OH 45459
www.LtwoE.com

CONSULTANTS:

STATE OF OHIO
RICHARD L. SIMPKINS II
69390
REGISTERED PROFESSIONAL ENGINEER
4/30/2026

#	DATE	DESCRIPTION
	05/01/2026	FOR BID/PERMIT

CLIENT:
PIQUA CITY SCHOOLS
#WEAREPIQUA

PROJECT TITLE
PHS - PARKING LOT LIGHTING
1 INDIAN TRAIL
PIQUA, OH 45356

DRAWING TITLE
ELECTRICAL LEGEND, SCHEDULES, GENERAL NOTES, AND DETAILS

DESIGNED BY	ATD
DRAWN BY	ATD
CHECKED BY	RLS
DATE	04/07/2026

DRAWING NO.
E0.1

4/30/2026 8:15:58 PM

ELECTRICAL SPECIFICATIONS

GENERAL PROVISIONS

A. REFERENCE

1. THE GENERAL CONDITIONS AND OTHER CONTRACT DRAWINGS AS SET FORTH IN THE FOREGOING PAGES ARE HEREBY INCORPORATED INTO AND BECOME A PART OF THE SPECIFICATIONS FOR WORK UNDER THIS PROJECT, INSOFAR AS THEY APPLY HERETO.

2. ALL SPECIFICATIONS UNDER THIS DIVISION TITLE ARE DIRECTED TO AND ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. UNLESS OTHER TRADES OR PERSONS ARE SPECIFICALLY MENTIONED, "ELECTRICAL CONTRACTOR" IS INFERRED AND INTENDED.

B. CONTRACT DRAWINGS

1. THE DRAWINGS ACCOMPANYING THESE SPECIFICATIONS ARE COMPLEMENTARY EACH TO THE OTHER AND WHAT IS CALLED FOR BY ONE SHALL BE AS IF CALLED FOR BY BOTH.

2. CONSULT ALL CONTRACT DRAWINGS WHICH MAY AFFECT THE LOCATION OF EQUIPMENT, CONDUIT AND WIRING AND MAKE MINOR ADJUSTMENTS IN LOCATION TO SECURE COORDINATION.

3. WIRING LAYOUT IS SCHEMATIC AND EXACT LOCATIONS SHALL BE DETERMINED BY FIELD CONDITIONS.

4. OTHER THAN MINOR ADJUSTMENTS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.

C. JOB-SITE COPY OF DOCUMENTS

1. MAINTAIN AT THE SITE, ONE COPY OF ALL DRAWINGS, SPECIFICATIONS, ADDENDA APPROVED SHOP DRAWINGS, CHANGE ORDERS AND OTHER MODIFICATIONS, IN GOOD ORDER AND MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION. THESE SHALL BE AVAILABLE TO THE OWNER'S REPRESENTATIVE. THE DRAWINGS MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION SHALL BE DELIVERED TO THE OWNER'S REPRESENTATIVE FOR THE OWNER UPON COMPLETION OF THE WORK. AN ADDITIONAL SET OF DRAWINGS WILL BE FURNISHED BY THE OWNER'S REPRESENTATIVE FOR THIS PURPOSE UPON REQUEST.

D. MANUFACTURER'S DRAWINGS

1. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR REVIEW, (4) COPIES OF MANUFACTURER'S DRAWINGS AND WIRING DIAGRAMS (OR ELECTRONIC SUBMITTALS IN PDF FORMAT). THE ENGINEER WILL REVIEW CONTRACTOR'S SHOP DRAWINGS AND RELATED SUBMITTALS (AS INDICATED BELOW) WITH RESPECT TO THE ABILITY OF THE DETAILED WORK, WHEN COMPLETE, TO BE A PROPERLY FUNCTIONING INTEGRAL ELEMENT OF THE OVERALL SYSTEM DESIGNED BY THE ENGINEER. BEFORE SUBMITTING A SHOP DRAWING OR ANY RELATED MATERIAL TO THE ENGINEER, CONTRACTOR SHALL: REVIEW EACH SUCH SUBMISSION FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION. AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF CONTRACTOR; APPROVE EACH SUCH SUBMISSION BEFORE SUBMITTING IT; AND SO STAMP EACH SUCH SUBMISSION BEFORE SUBMITTING IT. THE ENGINEER SHALL ASSUME THAT NO SHOP DRAWING OR RELATED SUBMITTAL COMPRISES A VARIATION UNLESS CONTRACTOR ADVISES ENGINEER OTHERWISE VIA A WRITTEN INSTRUMENT WHICH IS ACKNOWLEDGED BY ENGINEER IN WRITING. THE ITEMS, TYPES OF SUBMITTALS AND RELATED MATERIAL (IF ANY) CALLED FOR ARE INDICATED BELOW:

ITEMS SHOP DRAWINGS TYPE SUBMITTALS REQUIRED

LIGHTING FIXTURES
WIRING DEVICES
LIGHTING CONTROLS

E. GUARANTEES

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEFECTS, REPAIRS AND REPLACEMENTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF SUBSTANTIAL COMPLETION AS DETERMINED BY THE OWNER'S REPRESENTATIVE. PRODUCT GUARANTEES GREATER THAN ONE (1) YEAR SHALL BE PASSED ALONG TO THE OWNER FOR FULL BENEFIT OF THE MANUFACTURER'S WARRANTY.

WORK INCLUDED

A. INSTALLATION, MATERIALS, AND WORKMANSHIP

6. FURNISH AND INSTALL ALL NECESSARY ANCHORS, SUPPORTS, STRAPS, BOXES, FITTINGS AND OTHER SIMILAR APPURTENANCES NOT INDICATED ON THE DRAWINGS BUT WHICH ARE REQUIRED FOR A COMPLETE AND PROPERLY INSTALLED SYSTEM CONSISTENT WITH THE ARCHITECTURAL TREATMENT OF THE BUILDING.

7. THE ELECTRICAL CONTRACTOR, INSOFAR AS THE WORK IS CONCERNED, SHALL AT ALL TIMES KEEP THE PREMISES IN A NEAT AND ORDERLY CONDITION, AND AT THE COMPLETION OF THE WORK, SHALL PROPERLY CLEAN UP AND CART AWAY DEBRIS AND EXCESS MATERIALS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF DUMPSTER & REFUSE DISPOSAL AS REQUIRED FOR ELECTRICAL WORK.

8. ALL MATERIALS SHALL BE NEW AND UNDETERIORATED AND OF A QUALITY NOT LESS THAN THE MINIMUM SPECIFIED.

B. COORDINATION OF PLANS AND SPECIFICATIONS

1. CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY IF THERE IS ANY QUESTIONS REGARDING THE MEANING OR INTENT OF EITHER PLANS OR SPECIFICATIONS, OR UPON NOTICING ANY DISCREPANCIES OR OMISSIONS IN EITHER PLANS OR SPECIFICATIONS.

C. CUTTING AND PATCHING

1. PATCHING SHALL MATCH EXISTING SURFACES IN KIND AND FINISH AND SHALL BE DONE BY THE GENERAL CONTRACTOR AT THE ELECTRICAL CONTRACTOR'S EXPENSE.

2. REPAIR OF DAMAGES, BY THE ELECTRICAL CONTRACTOR, TO NEWLY PATCHED AND REFINISHED AREAS SHALL BE DONE BY THE GENERAL CONTRACTOR AT THE ELECTRICAL CONTRACTOR'S EXPENSE, TO MATCH EXISTING CONDITION.

3. WHERE REQUIRED TO MAINTAIN FIRE RATING, OPENINGS SHALL BE SEALED UTILIZING 3M BRAND FIRE BARRIER PENETRATION SEALING SYSTEMS. FIRE BARRIER OR FIRE STOP SYSTEMS FROM CROUSE-HINDS, THOMAS & BETTS OR DOW CORNING MAY BE USED AT CONTRACTOR'S OPTION. THIS INCLUDES HOLES LEFT DUE TO REMOVAL OF EXISTING CONDUITS, BUS DUCT, ETC. OPENINGS SHALL BE TEMPORARILY FIRE STOPPED UNTIL PERMANENT FIRE STOPPING IS DONE.

D. CLEANING AND PAINTING

1. ALL ELECTRICAL EQUIPMENT SHALL BE KEPT DRY AND CLEAN DURING THE CONSTRUCTION PERIOD. INTERIOR OF ALL ENCLOSURES SHALL BE CLEANED OF DIRT AND DEBRIS BEFORE INSTALLING TRIM OR COVERS.

2. ALL FINISHED SURFACES OF EQUIPMENT FURNISHED UNDER THIS CONTRACT SHALL BE THOROUGHLY CLEANED OF DIRT AND ALL SCRATCHED OR DAMAGED SURFACES SHALL BE TOUCHED UP WITH MATCHING MATERIALS BEFORE FINAL ACCEPTANCE OF THE WORK.

3. WHEN ALL WORK IS COMPLETED AND ALL WORK HAS BEEN SATISFACTORILY TESTED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE, ALL CONDUIT AND OTHER EXPOSED SURFACES SHALL BE THOROUGHLY CLEANED.

CODES AND FEES

A. CODES:

1. ALL WORK PERFORMED UNDER THIS SPECIFICATION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS PREPARED AND PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION AND ANY APPLICABLE STATE OR LOCAL CODES.

B. FEES:

1. OBTAIN AND PAY FOR ANY AND ALL PERMITS REQUIRED BY ALL LAWS AND REGULATIONS AND PUBLIC AUTHORITY HAVING SUCH JURISDICTION.

TESTS AND SPECIFICAITONS

A. OBTAIN ALL INSPECTIONS REQUIRED BY ALL LAWS, ORDINANCES, RULES, REGULATIONS OR PUBLIC AUTHORITY HAVING JURISDICTION AND OBTAIN CERTIFICATES OF SUCH INSPECTIONS AND SUBMIT SAME TO THE OWNER'S REPRESENTATIVE. PAY ALL FEES, CHARGES AND OTHER EXPENSES IN CONNECTION THEREIN. OBTAIN OCCUPANCY PERMIT AS REQUIRED BY OWNER. FINAL PAYMENT SHALL NOT BE MADE UNTIL OCCUPANCY PERMIT IS OBTAINED.

B. WORK SHALL BE UNACCEPTABLE WHEN FOUND TO BE DEFECTIVE OR CONTRARY TO THE PLANS SPECIFICATIONS, CODES SPECIFIED OR ACCEPTED STANDARDS OF GOOD WORKMANSHIP.

C. THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK FOUND UNACCEPTABLE BY THE OWNER'S REPRESENTATIVE WHETHER OBSERVED BEFORE OR AFTER SUBSTANTIAL COMPLETION AND WHETHER OR NOT FABRICATED, INSTALLED OR COMPLETED. THE CONTRACTOR SHALL BEAR ALL COSTS OF CORRECTING SUCH UNACCEPTABLE WORK, INCLUDING COMPENSATION FOR THE OWNERS REPRESENTATIVE ADDITIONAL SERVICES MADE NECESSARY THEREBY.

D. THE ELECTRICAL CONTRACTOR SHALL TEST AND OBTAIN ACCEPTANCE FOR THE FOLLOWING SYSTEMS:

1. EMERGENCY LIGHTING.
2. RECEPTACLE AND EQUIPMENT POWER.
3. LIGHTING.
4. LIGHTING CONTROLS

CONDUIT

A. FURNISH AND INSTALL ALL CONDUITS, BOXES, FITTINGS, ETC., FOR A COMPLETE RACEWAY SYSTEM.

B. ALL WIRING SHALL BE RUN IN EMT CONDUIT OR MC CABLE UNLESS OTHERWISE NOTED.

C. ALL CONDUIT SIZES STATED HEREIN OR MARKED ON THE DRAWINGS ARE MINIMUM SIZE AND SHALL BE NO LESS THAN 1/2" UNLESS OTHERWISE NOTED.

D. ALL CONDUIT SHALL BE SUBSTANTIALLY SUPPORTED BY PIPE STRAPS OR SUITABLE CLAMPS OR HANGERS ATTACHED TO THE ELEMENTS OF THE BUILDING STRUCTURE TO PROVIDE RIGID INSTALLATION; IN NO CASE SHALL CONDUIT BE ATTACHED OR SUPPORTED FROM ADJOINING PIPE OR INSTALLED IN SUCH A MANNER AS TO PREVENT THE READY REMOVAL OF OTHER PIPE FOR REPAIRS. "MINERALAC" TYPE SUPPORTS AND "UNISTRUT" TYPE ONE BOLT SUPPORTS WITH SQUARE ENDS SHALL NOT BE USED AT ANY LOCATION.

WIRE AND CABLE

A. ALL CONDUCTORS SHALL BE STRANDED AND OF THE AWG SIZE AND TYPE SHOWN ON THE DRAWINGS. WHERE NO SIZE OR TYPE IS SHOWN, CONDUCTORS SHALL NOT BE LESS THAN #12 TYPE XHHW, THHN, OR THWN. ALL CONDUCTORS SHALL BE COPPER AND HAVE 600 VOLT INSULATION; BE UL LABELED AND OF AMERICAN MANUFACTURER.

B. ALL CONNECTIONS ARE TO BE MADE USING PRESSURE TYPE TERMINALS.

C. THE FOLLOWING COLOR CODE SHALL BE USED:

	208 VOLT
PHASE A	BLACK
PHASE B	RED
PHASE C	BLUE
NEUTRAL	WHITE
EQUIPMENT GROUND	GREEN

D. CONDUCTORS NO. 10 AWG OR SMALLER SHALL HAVE INSULATION COLORED AS NOTED ABOVE.

E. CONDUCTORS NO.8 AWG OR LARGER SHALL HAVE INSULATION COLORED AS NOTED ABOVE OR COLORED TAPE, MINIMUM SIZE 1/2", WRAPPED TWICE AROUND AT THE FOLLOWING POINTS:

1. AT EACH TERMINAL.
2. AT EACH CONDUIT ENTRANCE.
3. AT INTERVALS NOT MORE THAN 12 INCHES APART.
4. IN ALL BOXES, PANEL TUBS, SWITCHBOARDS, ETC.

F. ALL BRANCH CIRCUITS SHALL BE MARKED IN THE PANELBOARD GUTTERS. MARKERS SHALL INDICATE CORRESPONDING BRANCH-CIRCUIT NUMBERS.

G. EACH BRANCH CIRCUIT REQUIRING A NEUTRAL SHALL BE FURNISHED WITH A SEPARATE INDIVIDUAL NEUTRAL CONDUCTOR.

BOXES AND PLATES

A. FURNISH AND INSTALL ALL OUTLET, JUNCTION, AND PULLBOXES AS INDICATED ON THE DRAWINGS AND AS NECESSARY TO INSTALL THE REQUIRED CONDUIT AND WIRING IN A NEAT AND WORKMANLIKE MANNER.

B. PULLBOXES AND JUNCTION BOXES SHALL BE GALVANIZED AND OF THE CORRECT SIZE AND SIZE AND GAUGE, IN ACCORDANCE WITH CODE REQUIREMENTS AND SHALL BE UL LABELED.

C. FLUSH OUTLET, JUNCTION AND PULLBOXES SHALL BE PRESSED STEEL GALVANIZED OR SHERARDIZED AND SHALL BE A MINIMUM OF 4" SQUARE OR OCTAGONAL SIMILAR TO APPLETON #40.

D. SWITCH PLATES ON FLUSH AND CAST BOXES SHALL BE UNBREAKABLE, FINISH TO MATCH DEVICE.

E. DUPLEX RECEPTACLE PLATES ON FLUSH AND CAST BOXES SHALL BE UNBREAKABLE, FINISH TO MATCH DEVICE.

F. ALL BOXES SHALL BE RIGIDLY SUPPORTED FROM BUILDING STRUCTURE INDEPENDENT OF THE CONDUIT SYSTEM. BOXES CAST INTO MASONRY OR CONCRETE ARE CONSIDERED TO BE RIGIDLY SUPPORTED.

SWITCHES

A.	120V-20A	LEGRAND #CS20AAC1W, HUBBELL #CS120W, EATON #CS120W
	120V-20A 3-WAY	LEGRAND #CS20AAC3W, HUBBELL #CS320W, EATON #CS320W
	120V-20A 4-WAY	LEGRAND #CS20AAC4W, HUBBELL #CS420W, EATON #CS420W
	120V-20A OC	LEGRAND #DSW-301-W, HUBBELL #AD2000W22, EATON #OSD10A-W
	120V-20A DOC	LEGRAND #DW-311-W, HUBBELL #ADD2000W1, EATON #OS10D7-W
	120V-20A PILOT	LEGRAND #692WG, HUBBELL #HBL1221PL, EATON #AH1221PL

RECEPTACLES

A.	120V-20A	LEGRAND #CR20W, HUBBELL #CR20W, EATON #CR20W
	120V-20A TR	LEGRAND #TR20W, HUBBELL #CR20WHITR, EATON #TRCR20W
	120V-20A GF	LEGRAND #2097TRAW, HUBBELL #GFRTR20W, EATON #SGF20W
	120V-20A USB	LEGRAND #TR20USBAC6W, HUBBELL #USB20ACPDW, EATON #TRUSBPDAC20W
	120V-20A WP/GF	LEGRAND #2097TRWRW, HUBBELL #GFRTW20W, EATON #TWRSGF20W

WIRING DEVICES

A. WIRING DEVICES SHALL BE FURNISHED IN STRICT ACCORDANCE WITH THE CATALOG NUMBERS AND MANUFACTURERS LISTED IN THE SCHEDULE WHICH FOLLOWS. OTHER SPECIAL PURPOSE DEVICES SHALL BE AS SPECIFIED ON THE DRAWINGS.

B. COORDINATE DEVICE COLOR WITH ARCHITECT.

IDENTIFICATION

H. EACH PIECE OF ELECTRICAL EQUIPMENT AND INDIVIDUAL SWITCHES, ALL DISCONNECTS, STARTERS ALL EXHAUST FAN MANUAL STARTING SWITCHES, ALL POWER AND LIGHTING PANELS, ALL CABINETS AND PULL BOXES, ETC., SHALL BE IDENTIFIED ON THE FRONT COVER OR TRIM WITH ITS NAME AND/OR DESIGNATION NUMBER OR LETTER AS SHOWN ON THE DRAWINGS AND WITH THE VOLTAGE AVAILABLE WITHIN THE PANEL.

I. IDENTIFICATION SHALL BE IN THE FORM OF LAMINATED PLASTIC NAMEPLATES, BLACK FACE, WITH THE LETTERS ENGRAVED INTO THE WHITE BACKGROUND, MINIMUM 1/4" HIGH. PLATES SHALL BE DRILLED ON EACH END FOR SHEETMETAL SCREW ATTACHMENT, NO "DYMO" OR SIMILAR TYPE LABELS WILL BE ALLOWED.

J. THE FOLLOWING IS AN EXAMPLE OF THE NAMEPLATE LAYOUT AND WORDING:

AC-1 DICONNECT
208V - 1• CKT B-1,2

K. PLASTIC NAMEPLATES SHALL BE ATTACHED TO FACE OF ELECTRICAL DEVICE BY SHEETMETAL SCREWS. LOCATE PLATE SO WORDING READS HORIZONTALLY AND PLATE DOES NOT OBSTRUCT OTHER IDENTIFICATION PLATES, LATCHES OR OPERATORS.

L. WHERE CIRCUIT BREAKERS OR FUSES ARE APPLIED IN COMPLIANCE WITH THE SERIES COMBINATION RATINGS MARKED ON THE EQUIPMENT BY THE MANUFACTURER, THE EQUIPMENT ENCLOSURE(S) SHALL BE LEGIBLY MARKED IN THE FIELD TO INDICATE THE EQUIPMENT HAS BEEN APPLIED WITH A SERIES COMBINATION RATING. THE MARKING SHALL BE READILY VISIBLE AND STATE "CAUTION - SERIES RATED SYSTEM."

GROUNDING

A. ALL FEEDERS AND BRANCH CIRCUITS OVER 100 VOLTS SHALL INCLUDE A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC TABLE 250.122, EXCEPT NOT BE SMALLER THAN #12 FOR POWER AND LIGHTING CIRCUITS AND #14 FOR CONTROL CIRCUITS. ALL GROUND CONDUCTORS SHALL BE GREEN, OR AS SPECIFIED UNDER SECTION "WIRE AND CABLE."

B. ALL GROUND CLAMPS SHALL BE PENN-UNION "GPL" TYPE OR SIMILAR BY O.Z. OR BURNDY.

C. CONDUIT FOR SOLITARY GROUND CONDUCTORS SHALL BE RIGID SCHEDULE 40 PVC NON-METALLIC ELECTRICAL CONDUIT WITH UL LABEL. SOLITARY GROUND CONDUCTORS SHALL NOT BE PLACED THROUGH METALLIC SLEEVES OR CONDUITS AND SHALL NOT BE COMPLETELY ENCIRCLED BY METALLIC HANGERS OR SUPPORTS.

D. THE GROUND CONDUCTOR SHALL BE CONNECTED TO THE NEUTRAL IN ONLY TWO LOCATIONS - ON THE SUPPLY SIDE OF THE SERVICE DISCONNECT MEANS PER NEC 250.24 AND ON SEPARATELY DERIVED SYSTEMS PER NEC 250.30.

E. AT EACH RECEPTACLE BOX, THE GROUND CONDUCTOR SHALL ENTER AND CONNECT, WITH NORMAL WIRING CONNECTOR, TO: 1) THE GROUND PIGTAIL TO RECEPTACLE; 2) THE GROUND PIGTAIL TO BOX GROUND SCREW; AND 3) THE OUTGOING GROUND CONDUCTOR TO NEXT DEVICE, IF NOT AT END OF RUN, METAL TO METAL CONTACT BETWEEN THE DEVICE YOKE AND THE OUTLET BOX IS NOT ACCEPTABLE AS A BOND FOR EITHER SURFACE MOUNTED BOXES OR FLUSH TYPE BOXES.

F. CONDUIT SYSTEM SHALL BE ELECTRICALLY CONTINUOUS. ALL LOCK NUTS SHALL CUT THROUGH ENAMELED OR PAINTED SURFACES ON ENCLOSURES, WHERE ENCLOSURES AND NON-CURRENT CARRYING METALS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS. WHERE REDUCING WASHERS ARE USED AND WHERE CONCENTRIC OR ECCENTRIC KNOCKOUTS ARE NOT COMPLETELY REMOVED BONDING BUSHINGS SHALL BE REQUIRED.

LIGHTING FIXTURES

A. FLUSH FIXTURES MAY BE FURNISHED WITH PRE-WIRED FEATURE PROVIDED THEY ARE UL APPROVED FOR 75.C WIRING AND THE JUNCTION BOX CAPACITY IS SUFFICIENT FOR THE CIRCUIT WIRING REQUIREMENTS.

B. CLEARANCES FOR RECESSED PORTIONS OF FIXTURES FROM COMBUSTIBLE MATERIAL AND THERMAL INSULATION, SHALL BE IN ACCORDANCE WITH NEC ARTICLE 410.66.

C. ANY FIXTURES SCRATCHED, BENT, CRACKED OR IN ANY WAY DAMAGED BEFORE ACCEPTANCE BY OWNER SHALL BE REPLACED AT THIS CONTRACTOR'S EXPENSE.

D. ALL FIXTURES SHALL BE IN WORKING ORDER AT THE TIME OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER.

E. ALL LIGHTING FIXTURES ARE TO BE GROUNDED ON THE INTERIOR OF THE FIXTURE HOUSING, ON CLEAN BARE METAL (FREE OF PAINT). BY USE OF A PIGTAIL AND FASTENED BY A SCREW USED FOR NO OTHER PURPOSE.

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L2 ENGINEERING
7949 Washington Woods Dr
Dayton, OH 45459
www.LtwoE.com

CONSULTANTS:

STATE OF OHIO
RICHARD L. SIMPKINS II
69890
PROFESSIONAL ENGINEER
REGISTERED
04/07/2026

#	DATE	DESCRIPTION
	05/01/2026	FOR BID/PERMIT

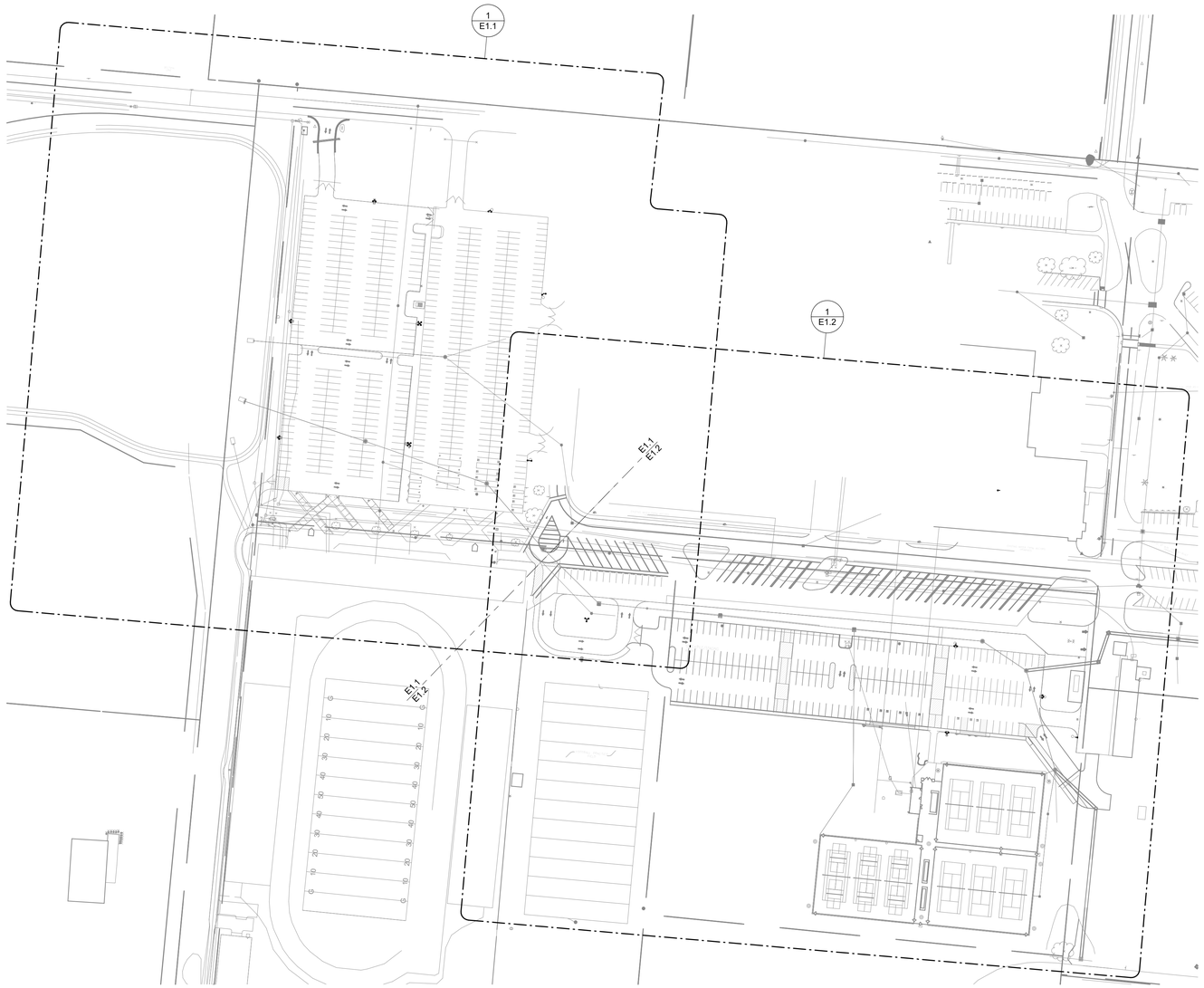
CLIENT:
PIQUA CITY SCHOOLS
#WEAREPIQUA

PROJECT TITLE
PHS - PARKING LOT LIGHTING
1 INDIAN TRAIL
PIQUA, OH 45356

DRAWING TITLE
ELECTRICAL SPECIFICATIONS

DESIGNED BY	ATD
DRAWN BY	ATD
CHECKED BY	RLS
DATE	04/07/2026

DRAWING NO.
E0.2



1 OVERALL SITE LIGHTING PLAN
1" = 100'-0"

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7949 Washington Woods Dr
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CONSULTANTS:

STATE OF OHIO
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69350
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OVERALL SITE LIGHTING PLAN

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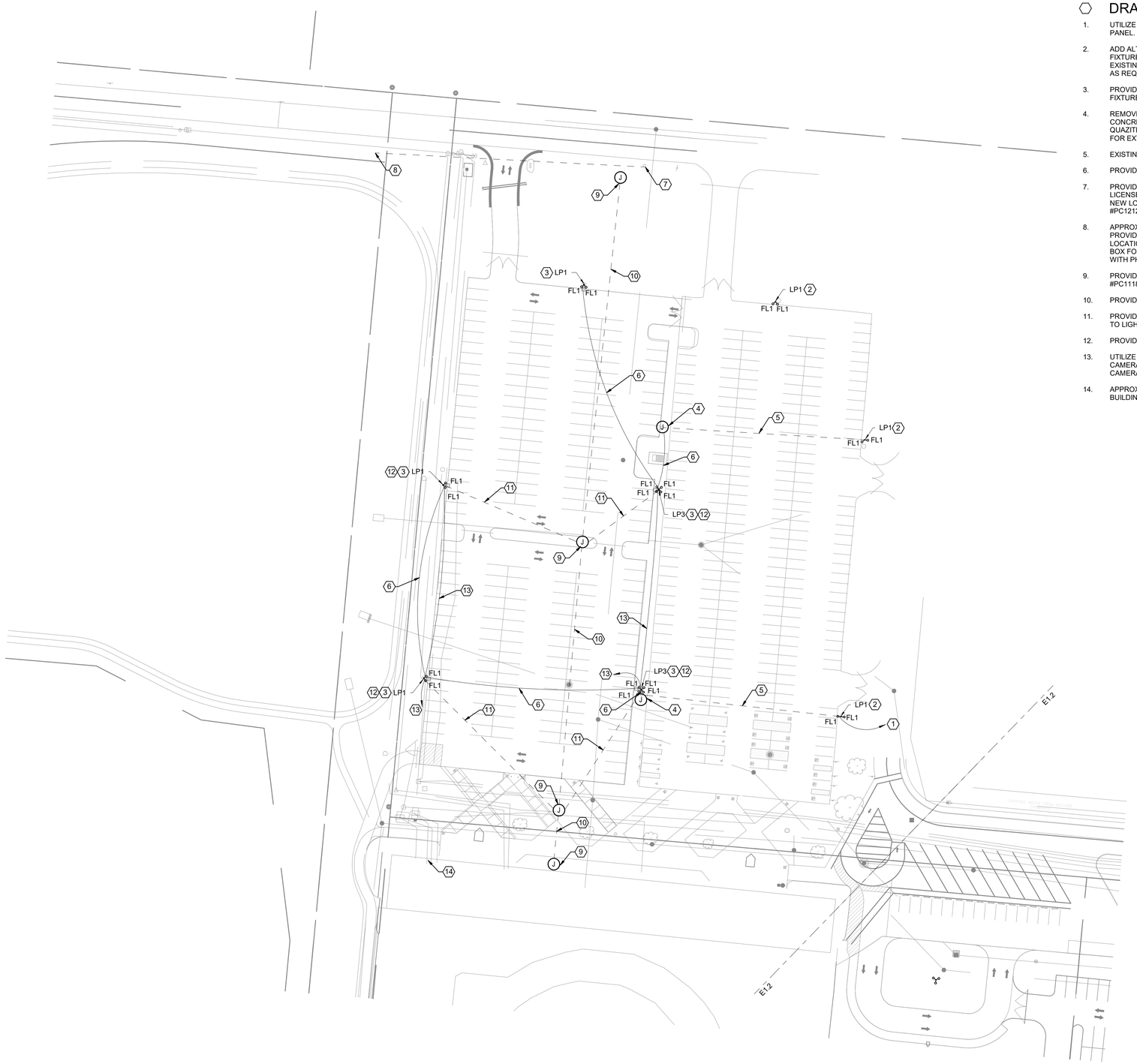
E1.0



1 FOOTBALL LOT - SITE LIGHTING PLAN
1" = 50'-0"

DRAWING NOTES

1. UTILIZE EXISTING UNSWITCHED LIGHTING CIRCUIT FROM EXISTING PANEL. EXTEND TO NEW POLE LOCATIONS AS INDICATED.
2. ADD ALTERNATE #2: PROVIDE NEW LIGHTING POLE AND LIGHTING FIXTURES INDICATED ON NEW CONCRETE BASE IN LOCATION OF EXISTING, REMOVED BASE. EXTEND EXISTING CONDUIT AND CIRCUIT AS REQUIRED. BASE BID: EXISTING TO REMAIN.
3. PROVIDE NEW CONCRETE BASE, LIGHTING POLE, AND LIGHTING FIXTURES AS INDICATED.
4. REMOVE EXISTING LIGHTING POLE, LIGHTING FIXTURES, AND CONCRETE BASE TO 2' BELOW FINISHED GRADE. PROVIDE IN-GRADE QUAZITE JUNCTION BOX AT LOCATION OF REMOVED CONCRETE BASE FOR EXTENSION OF EXISTING CIRCUIT TO NEW POLE LOCATIONS.
5. EXISTING LIGHTING CIRCUIT AND CONDUIT.
6. PROVIDE (2) #10, #10G IN 1" SCH 40 PVC.
7. PROVIDE IN-GRADE JUNCTION BOX IN LOCATION OF RELOCATED LICENSE PLATE READER. SPLICE AND EXTEND EXISTING CIRCUIT TO NEW LOCATION. RETAIN DATA FOR FUTURE USE. QUAZITE #PC1212BA18 OR EQUAL.
8. APPROXIMATE LOCATION OF RELOCATED LICENSE PLATE READER. PROVIDE (2) #10, #10G IN 1"C. FOR EXTENDED CIRCUIT FROM EXISTING LOCATION. PROVIDE 1" CONDUIT WITH PULL STRING TO IN-GRADE PULL BOX FOR DATA. COORDINATE NEW DATA CABLING REQUIREMENTS WITH PHS IT DEPARTMENT.
9. PROVIDE IN-GRADE PULL BOX FOR FUTURE DATA. QUAZITE #PC1118BA18 OR EQUAL.
10. PROVIDE 4" CONDUIT WITH PULL STRING FOR FUTURE DATA.
11. PROVIDE (1) 1" CONDUIT WITH PULL STRING FROM IN-GRADE PULL BOX TO LIGHT POLE.
12. PROVIDE POLE MANUFACTURER'S 3/4" COUPLING AT 12'.
13. UTILIZE EXISTING 120V-20A-1P BREAKER IN EXISTING PANEL 'PA-1' FOR CAMERA POWER. (1) CIRCUIT SHALL SERVE (4) POLES SHOWN WITH CAMERAS. PROVIDE (2) #8, #8G IN 1"C. SPLICE CIRCUIT IN PANELBOARD.
14. APPROXIMATE LOCATION OF PANEL 'PA-1' LOCATED IN FOOTBALL BUILDING.

L2 ENGINEERING
7949 Washington Woods Dr
Dayton, OH 45459
www.LtwoE.com

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#WEAREPIQUA

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DRAWING TITLE
FOOTBALL LOT - SITE LIGHTING

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E1.1

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1 TENNIS LOT - SITE LIGHTING PLAN
1" = 50'-0"

DRAWING NOTES

1. PROVIDE (2) #8, #8G IN 1" SCH 40 PVC.
2. PROVIDE (2) #10, #10G IN 1" SCH 40 PVC.
3. PROVIDE NEW CONCRETE POLE BASE, LIGHTING POLE, AND LIGHTING FIXTURES AS INDICATED.
4. UTILIZE EXISTING 480V-30A-2P BREAKER IN EXISTING PANEL 'TP'. SPLICE CIRCUIT IN PANELBOARD. CALCULATED LOAD: 3030W (6.3A @ 480V)
5. PROVIDE 2-POLE CONTACTOR FOR NEW PARKING LOT LIGHTING. UTILIZE EXISTING PHOTOCELL FOR CONTROL.
6. PROVIDE 1" SCH 40 PVC CONDUIT STUBBED OUT FROM LIGHT POLE BASE FOR FUTURE CIRCUIT EXTENSION. CAP AND MARK LOCATION.
7. ADD ALTERNATE #1: WORK SHOWN IN THIS AREA SHALL BE PART OF AN ALTERNATE BID ITEM.
8. EXISTING LIGHT POLE AND LIGHTING FIXTURE TO BE RELOCATED. REMOVE CONDUCTORS BACK TO NEAREST POLE. DO NOT SPLICE CONDUCTORS UNDERGROUND.
9. PROVIDE NEW CONCRETE POLE BASE FOR RELOCATED LIGHT POLE AND LIGHTING FIXTURE.
10. PROVIDE (2) #8, #8G IN EXISTING CONDUIT.
11. PROVIDE (2) #8, #8G IN NEW 1" SCH 40 PVC CONDUIT.
12. PROVIDE POLE MANUFACTURER'S 3/4" COUPLING AT 12'. REFER TO LIGHTING FIXTURE SCHEDULE.
13. PROVIDE IN-GRADE PULL BOX FOR FUTURE DATA. QUAZITE #PC1118BA18 OR EQUAL.
14. PROVIDE (1) 1" CONDUIT WITH PULL STRING FROM IN-GRADE PULL BOX TO LIGHT POLE.
15. PROVIDE (1) 2" CONDUIT FROM TENNIS BUILDING TO IN-GRADE PULL BOX FOR FUTURE DATA.
16. UTILIZE EXISTING 120V-20A-1P BREAKER IN EXISTING PANEL 'A' FOR CAMERA POWER. PROVIDE (2) #8, #8G IN 1"C.
17. APPROXIMATE LOCATION OF PANELS 'A' AND 'TP'.

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69397
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DRAWING TITLE
TENNIS LOT - SITE LIGHTING

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DRAWING NO.
E1.2

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