Addendum #3
Lakeland School Corporation
Maintenance Building

Date: May 1st, 2026
Project: Maintenance Building
Project #: 25082
Pages: 1 of 4 (8-1/2x11) pages
Bid Dates: **THURSDAY, May 14th, 2026 at 11:30 am (prevailing local time)**

General Note:

The original Specifications and Drawings dated April 10, 2026 for the project referenced above are amended as noted in this Addendum No. 3. Receipt of this Addendum and any subsequent Addenda must be acknowledged on the Bid Form. Items changed or added by this addendum are to take precedence over the items or descriptions of the work in the project manual and the drawings. Items not mentioned in this addendum are to remain as described in the original plans and specifications.

Addendum #4 with the additional answers to contractor questions, and updated sheets & details will be issued on May 4th. There will be no questions accepted after Addendum #4 is issued.

Clarification Items:

*Q: 13 34 19 1.01 – Section H. An alternate bid to add one more bay to the west is to be bid as an alternate. This expanded alternate bay is also to have an expandable end wall to allow for additional future expansions. *Please clarify**
A: Intent is for PEMB (west end wall) to have ability to add bays in the future.

*Q: 01 23 00 1.04 A: ALTERNATE 1: "deduct wash bay" contradicts Bid form 96 p2 "alternate bid no. 1 – "Add wash bay". *Please clarify base bid**
A: Bid form 96 is accurate. Alternate 1 is to ADD wash bay scope.

Q: Does there need to be a railing on the sides of the stairwell leading to the mezzanine?
A: Yes railing on both sides.

Q: Wall types show 5/8" drywall on both sides but you also have those same wall types with note 9. So do you want both layers of 5/8" drywall and then the 5/8" plywood on top of the drywall? If so, does that then make those door jambs 5/8" wider.
A: No gyp. bd. is not necessary behind plywood. Plywood directly on framing where shown.

Q: Please provide wall details at mower lift in column line 4D.
A: No special details.

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Maintenance Building

Specifications Items:

Section 00 11 13 Advertisement to Bidders

1. Change bid date to May 14th at 11:30 am.

Drawing Set Items:

Sheet C1-000 – Existing Conditions Plan

Sheet C1-010 – Erosion Control Plan

Sheet C1-011 – Erosion Control Notes and Details

Sheet C1-020 – Site Demolition – Overall Plan

Sheet C1-100 – Site Layout Overall Plan

Sheet C2-100 – Site Grading and Drainage Plan

Sheet C3-100 – Site Utilities Overall Plan

Sheet C3-101 – Site Utilities Enlargement Plan

Sheet C6-100 – Site Details

Sheet C6-101 – Site Details

(*Updated Site Placement and Details)*

Sheet E0-1 Electrical Notes & Legends

1. Note #6. Schedule 40 PVC is acceptable
2. Note #7. BRANCH CIRCUITS RUN CONCEALED IN WALLS OR ABOVE CEILINGS SHALL BE RUN IN EMT, OR MC CABLE.

Sheet E1-1 Electrical Plan

1. No fire alarm is required.
2. 4" communication line says "by others" Outside the bldg. by the site contactor. EC to install to 5' outside the building.
3. Electric conduit and handholes says "by others" Conduit & handholes 5' outside the building by the site contractor.
4. The exposed conduit can be EMT. No minimum height.

5. Yes its acceptable to run Branch circuits under slab in NMC/PVC with GRC through slab penetrations.
6. See revised Electrical Riser Diagram.
7. Removing Mezzanine Unit 2 from the project. There will be no outdoor HP / Condenser C2 and no disconnect,

Sheet E21-1 Electrical Reflected Ceiling Plan

1. The switches referenced by note #3 are not dimmers. There are 2 fan speed controls.
2. The 10' diameter ceiling fans to be Hunter ECO HVLS FAN CONTROL THRU HUNTER 350 SERIES CONTROLLERS.

Sheet M1-1 HVAC Plan

1. The thermostat for Unit 1 is in the meeting room south wall.
2. Unit 2 thermostat located by the R/A grille on the east wall.
3. Unit 7 thermostat to be on the west wall by the light switch.
4. Carbon Monoxide detection System is by the Mechanical.
5. Remove Unit 2 from the project. Remove HP / condenser C1.
6. Thermostats to be Honeywell Home RTH9585WF1004 Wi-Fi Smart Color Thermostat, 7 day programmable, Touch Screen, Energy Star, Alexa Ready, Gray

Sheet P1-1 Plumbing Plan

1. Grease interceptor, HVAC unit, electric and gas meters all say "by others" Grease interceptor, HVAC unit by MEP Contractor. Gas meter by gas company. 1.5" Water Meter Provided by Town of LaGrange Water Department (INTERIOR INSTALLATION BY PC) . See detail this addendum. INSTALLATION of the WATER METER BY PC.
2. Mezzanine Unit 2, remove from the project. No condensate line, Gas line, or floor drain from the mezzanine.
3. Waterline copper piping, Type K copper to be used underground, Type L to be used aboveground.
4. PEX piping is not approved for the project.

Sheet P2-2 Plumbing Details

1. Note K, Trap seals are acceptable.
2. No vent line is needed off the trench drains.

Attachments:

1. Electrical Riser Diagram.
2. Water Meter Backflow Preventer Detail.
3. E2-1 Electrical Reflected Ceiling Plan
4. Light fixture heights.
5. Updated Civil Sheets Listed Above

END

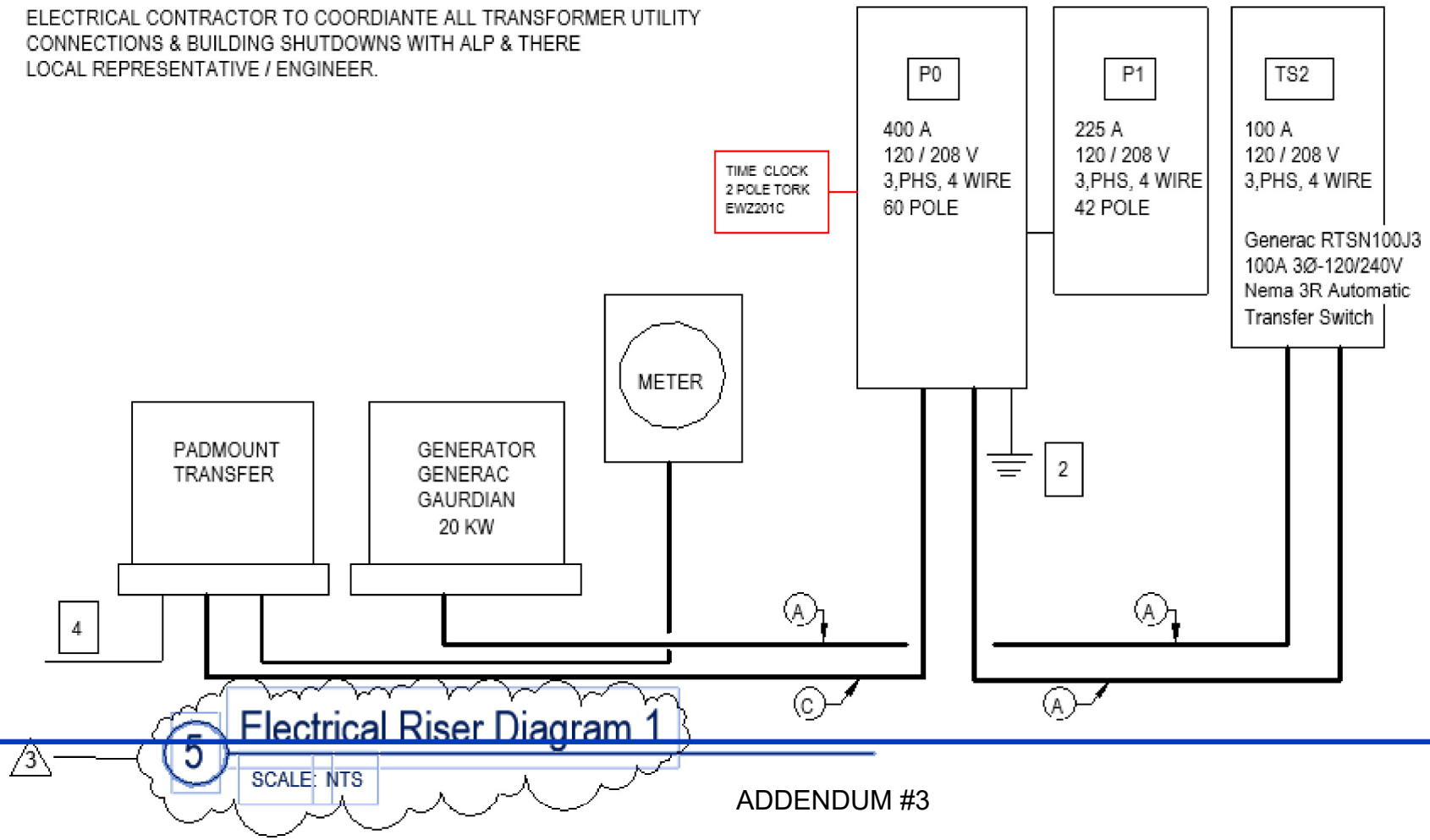
ELECTRICAL RISER NOTES

1	SURGE PROTECTION DEVICE
2	GROUND
3	36" COVER OVER ELECTRICAL LINES.
4	SEE SITE ELECTRICAL PLAN FOR ELECTRICAL SERVICE
5	4" PVC SPARE CONDUIT

ELECTRICAL CONTRACTOR TO COORDIANTE ALL TRANSFORMER UTILITY CONNECTIONS & BUILDING SHUTDOWNS WITH ALP & THERE LOCAL REPRESENTATIVE / ENGINEER.

FEEDER SIZES

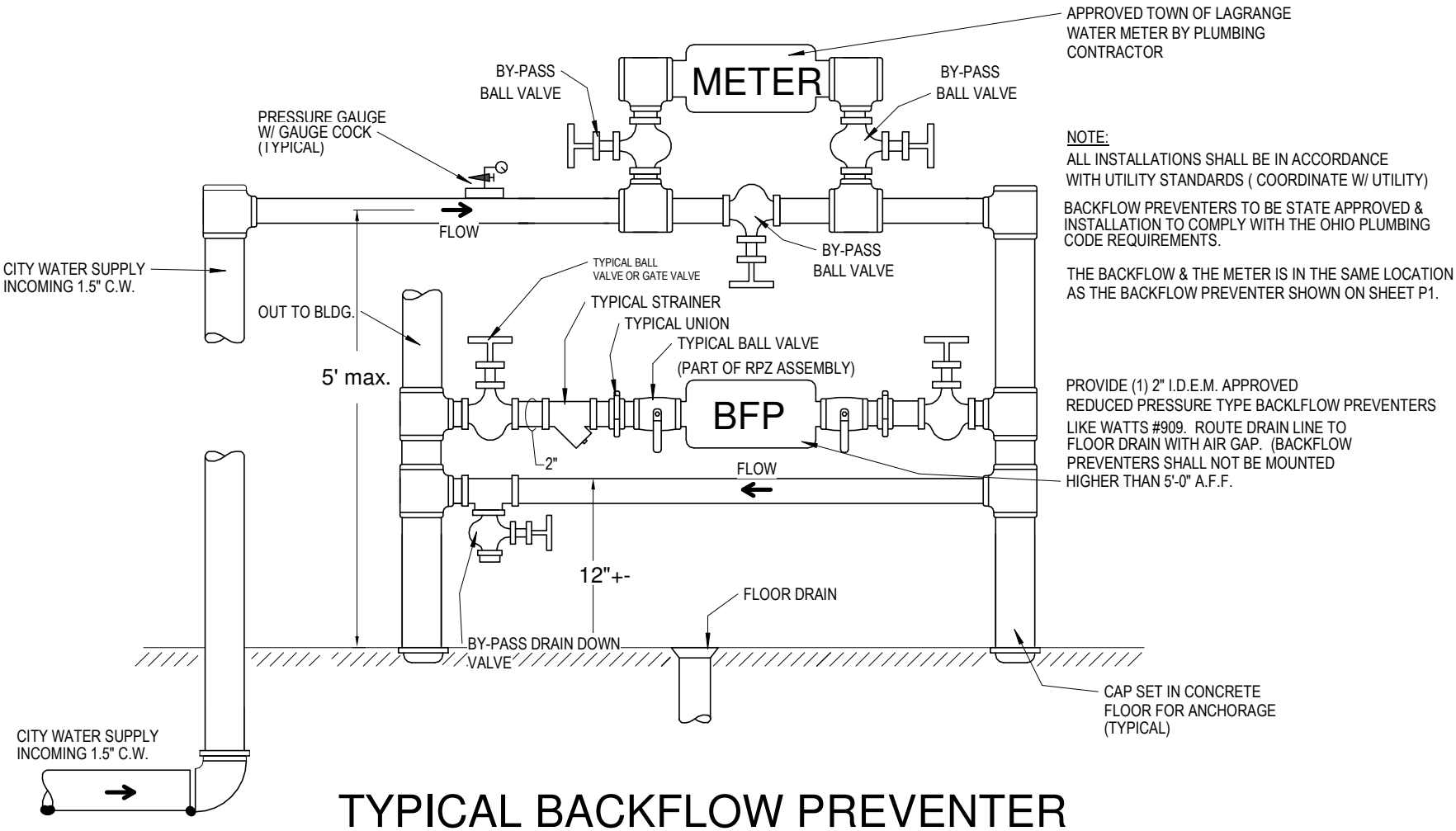
- (A) (1) SETS, 4 #3 MCM THWN CU. W/ GRD #8 CU. 1 1/2"C 100A
- (B) (1) SETS, 4 #4/0 MCM THWN CU. W/ GRD #4 CU. 2 1/2"C 225A
- (C) (1) SETS, 4 #600 MCM THWN CU. W/ GRD #3 CU. 3.5"C 400A
- (D) (1) SETS, 4 #3/0 MCM THWN CU. W/ GRD #4 CU. 2 1/2"C 200A
- (E) (2) SETS, 4 #350 MCM THWN CU EACH. W/ GRD #1 CU. 4"C 600A
- (F) (1) SETS, 4 #8 MCM THWN CU. W/ GRD #10 CU. 1.5"C 40A



5 Electrical Riser Diagram 1

SCALE: NTS

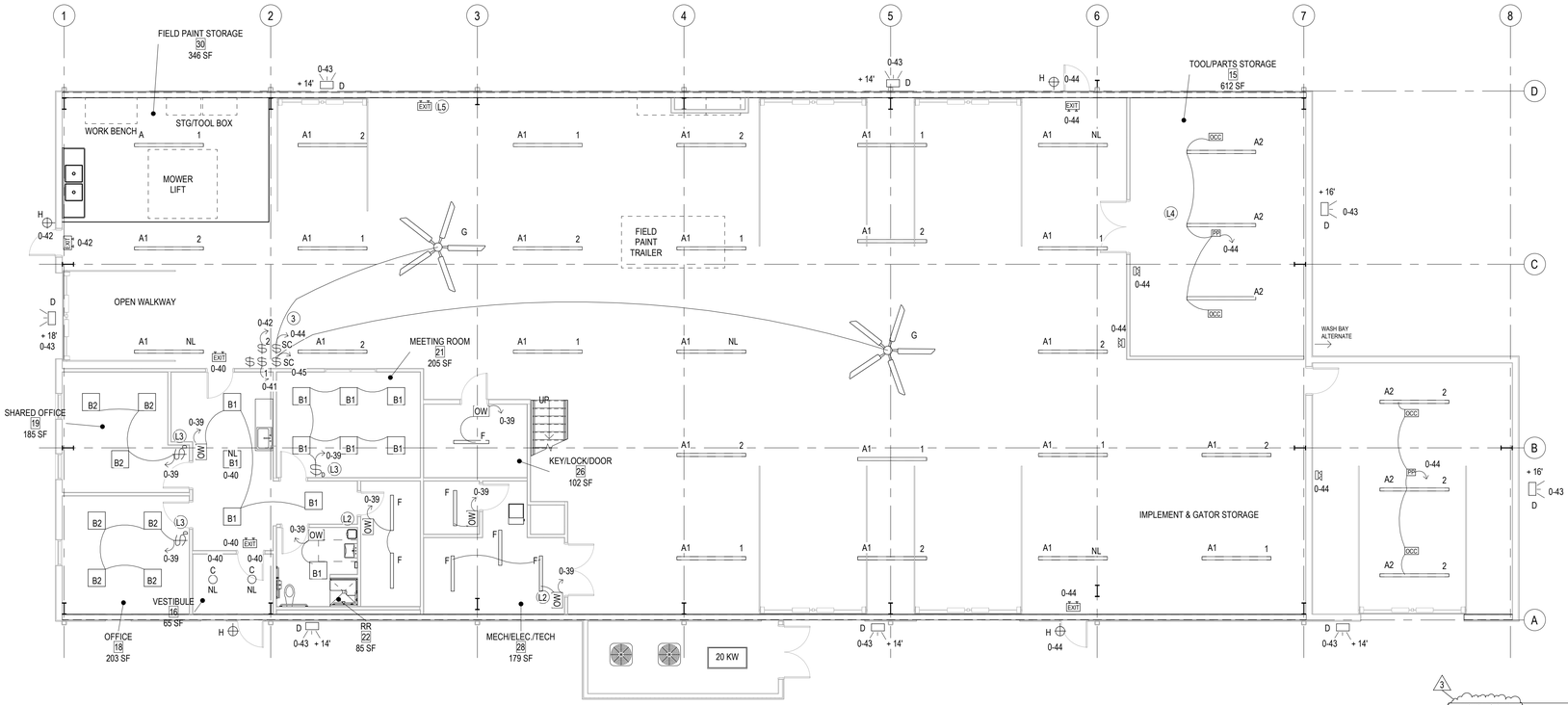
ADDENDUM #3



TYPICAL BACKFLOW PREVENTER
WTR. METER SETTING ARRANGEMENT

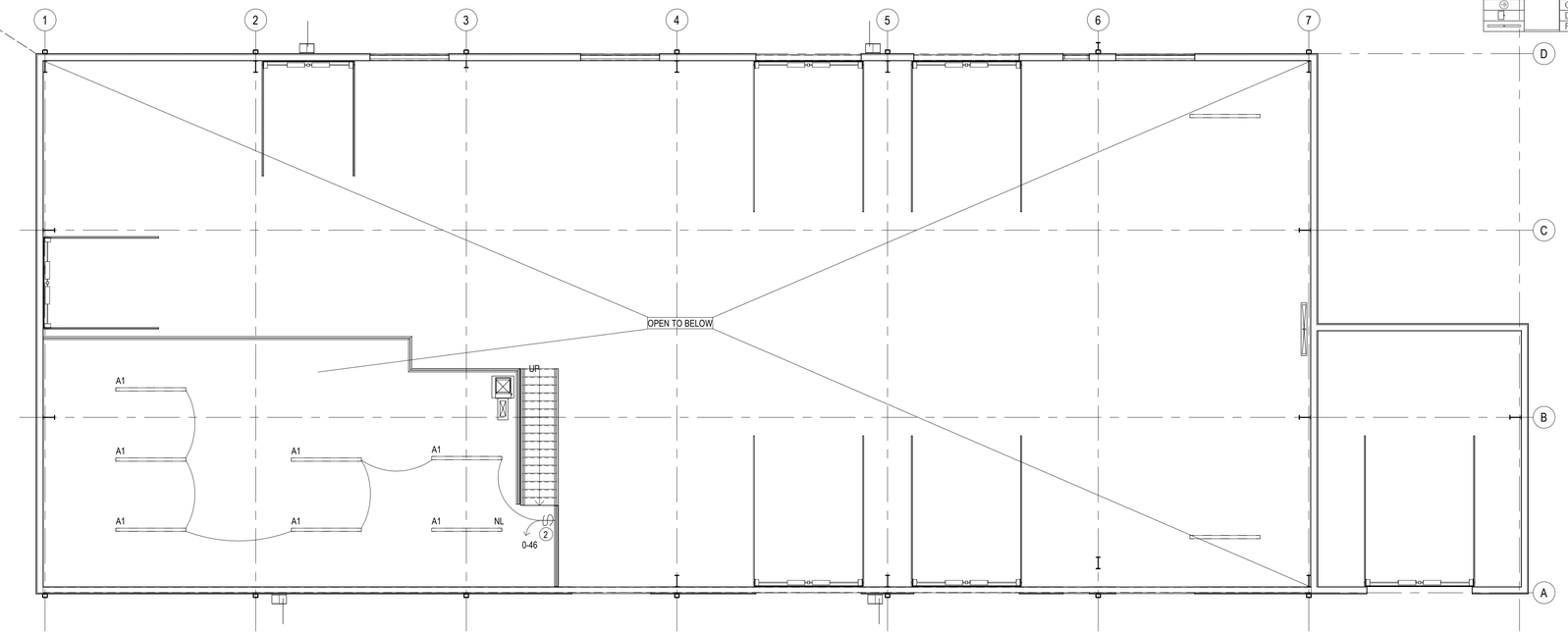
NTS

ADDENDUM #3



1 FIRST FLOOR LIGHTING PLAN

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



2 4 - MEZZANINE ELECTRICAL REFLECTED CEILING PLAN

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

LIGHTING NOTES

1. ALL OCCUPANCY SENSOR TO BE SET TO TURN OFF LIGHTS LESS THAN 30 MINUTES AFTER ANYBODY LEAVES THE ROOM.
2. EMERGENCY LIGHTS OR EMERGENCY LIGHT FIXTURES TO HAVE EMERGENCY BALLASTS WIRE FOR NON SWITCHING OPERATION.
3. EXACT LOCATION OF THIS BANK OF LIGHTS DIMMERS TO BE BY OWNER. 2 LOCATIONS.
4. UL 924 DEVICE REQUIRED AT LED FIXTURES WHEN USED AS EM & ALSO USED AS DIMMABLE FIXTURES.
5. NIGHT LIGHTS TO BE ON NON SWITCHING LEG OF CIRCUIT.
6. EXTERIOR LIGHTS TO BE CONTROLLED BY TIME CLOCK.
7. THE A1 & A2, FIXTURE HIEGHTS VARY. A1 & A2, TO HAVE 36" LONG STEMS, FIELD CUT OPTION FOR STEMS TO 32". STEMS TO BE 36" LONG BUT CUT TO 32" MOUNT TO BTTM. OF ROOF DECK.
8. TYPE A1 FIXTURES IN MEZZANINE TO BE MOUNTED TO BTTM. SIDE OF ROOF PURLINS.
9. BOTTOM OF 10' CEILING FANS TO BE 14' AFF. PROVIDE 5' EXTENSION ROD & 2' EXTENSION ROD. CONTROL THRU HUNTER 350 SERIES CONTROLLERS.

LIGHTING FIXTURE SCHEDULE

Schedule

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lumens per Lamp	LLF	Wattage
	A1		Lithonia Lighting	CSS L96 14000LM 40K 80CRI	Contractor Single Strip LED, 96", 14000 Lumens, 4000K, 80 CRI	14382	0.95	112.0262
	A2		Lithonia Lighting	CSS L96 AL04 @10000 SWW3 @4000 80CRI	CSS LED Single Strip Light, 96", Switchable lumens (6000LM / 8000LM / 10000LM), Switchable White (3500K, 4000K, 5000K), 80 CRI, Set to 10000LM 4000K	9993	0.95	83.98
	B1		Lithonia Lighting	CPX 2X2 ALO7 (Low) SWW7 (40K) A12 MVOLT	LED Panel 2ft2ft, Switchable Lumens-2500LM, 80CRI,Switchable White 40K, Prismatic A12 Pattern, 120-277V,	2563	0.95	19.33
	B2		Lithonia Lighting	CPX 2X2 ALO7 (Mid) SWW7 (40K) A12 MVOLT	LED Panel 2ft2ft, Switchable Lumens-3200LM, 80CRI,Switchable White 40K, Prismatic A12 Pattern, 120-277V,	3451	0.95	25.98
	C		Lithonia Lighting	LBRE ALO1 @10LM SWW1 @40K AR LSS WD	6 INCH LBR DOWNLIGHT 1000LM 4000K CLEAR SEMI-SPECULAR WIDE 80 CRI	1168	0.95	13.06
	D		Lithonia Lighting	TWX2 LED ALO PE @6850LM 40K	TWX2 LED WITH ALO - PHOTO CELL PERFORMANCE PACKAGE, 4000K	6842	0.95	53.6584
	EXIT		Lithonia Lighting	LQM S W RG MVOLT	Thermoplastic LED Exit 1.2V, 900mAH Ni-Cad Battery,	Absolute	0.95	1.5
	F		Lithonia Lighting	CSS L48 ALO3 @4000 SWW3 @40 80CRI	Contractor LED Single Strip Light, 48", Switchable lumens (3000LM / 4000LM /5000LM), , Switchable White (3500K, 4000K, 5000K), 80 CRI, Set to 4000LM 4000K	4206	0.95	34.2
	H		Isolite Corp	OWL	OWLAC/EM OWLin Normal AC Mode	1529	0.95	15.8
	G		HUNTER FANS		ECO HVLS FAN 10' DIA. 120 V 350 SERIES CONTROLLER			

Luminaire Schedule

Project: 20260060-SP LAKELAND MAINTENANCE BUILDING - LIGHTING R2 4-29-26

Symbol	Qty	Label	Arrangement	Lum. Watts	Lum. Lumens	LLF	Manufacturer	Description
		A1	Single	108.2	13536	0.850	COLM	MPS8-35VL-CW-EDU (CM48SCF3-KIT)
	8	A2	Single	133	16092	0.850	COLM	MPS8-35XL-CW-EDU (CM48SCF3-KIT)
		B1	Single	24.45	2991	0.850	COLM	CBT22-A-LSCS-EDD (3500K 2750 LM - LOW)
		B2	Single	30.05	3583	0.850	COLM	CBT22-A-LSCS-EDD (3500K 3300 LM - MID)
		C	Single	19.3	1579	0.850	PRES	LBRP-M-LS-SL-CSI-34-WD_LBRP-4RD-T-D (3500K 1400LM)
		D	Single	39.8	6894	0.850	EXO	WGH2-LSCS-4K-40W
		F	Single	40.1	4556	0.850	COLM	MPS4-35ML-CW-EDU

LIGHT FIXTURE SCHEDULE GENERAL NOTES:

A. ALL LIGHT FIXTURES SHALL BE UL LISTED.

B. REFERENCE SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.

C. ALL BIDDERS, INCLUDING THOSE SPECIFIED AND MANUFACTURERS LISTED AS "EQUAL", SHALL SUBMIT PRODUCT CUTSHEETS TO THE ENGINEER TEN (10) DAYS PRIOR TO BID FOR FINAL WRITTEN APPROVAL. "EQUAL" FIXTURES SHALL BE OF EQUAL OR BETTER QUALITY AND PERFORMANCE TO THE SPECIFIED FIXTURE. BURDEN OF PROOF SHALL BE ON THE MANUFACTURER AND SHALL PROVIDE WORKING 120 VOLT SAMPLE WITH CORD AND PLUG AT THE REQUEST OF THE ENGINEER.

D. MANUFACTURERS/VENDORS WISHING TO BID SUBSTITUTE FIXTURES OTHER THAN THOSE LISTED ON THE LIGHT FIXTURE SCHEDULE, SHALL SUBMIT CUTSHEETS AS REQUIRED PER SPECIFICATION SECTION 16500 AND AT THE REQUEST OF THE ENGINEER PROVIDE FACTORY POINT-BY-POINT CALCULATIONS USING AGI32 AND PROVIDE ELECTRONIC .AGI FILE TEN (10) DAYS PRIOR TO BID FOR WRITTEN APPROVAL. BURDEN OF PROOF SHALL BE ON THE MANUFACTURER AND SHALL PROVIDE WORKING 120 VOLT SAMPLE OF EACH SUBSTITUTE FIXTURE WITH CORD AND PLUG AT THE REQUEST OF THE ENGINEER.

E. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTORS TO ALL FIXTURES WITH EMERGENCY LED BATTERY PACKS AS REQUIRED.

F. CONTRACTOR SHALL FOCUS, AIM AND ADJUST LIGHT FIXTURES UNDER THE SUPERVISION AND DIRECTION OF THE ENGINEER AND ARCHITECT. ALLOW LABOR FOR FINAL FOCUS AND ADJUSTMENTS AFTER DARK. LIFTS AND SCAFFOLDING SHALL BE AVAILABLE.

G. CONFIRM ALL FINISHES AND MOUNTING HEIGHTS WITH ARCHITECT DURING SHOP DRAWING REVIEW. PROVIDE CUSTOM, FACTORY CUT STEM LENGTHS AS REQUIRED.

H. REFER TO DRAWINGS FOR MOUNTING REQUIREMENTS, NUMBER OF FACES AND ARROWS (CHEVRONS) FOR ALL EXIT SIGNS. COORDINATE WITH ARCHITECT'S REFLECTED CEILING PLANS.

I. CONTRACTOR SHALL VERIFY CEILING TYPES PRIOR TO ORDERING FIXTURE AND PROVIDE FIXTURES APPROPRIATE TO THE ACTUAL CONDITION. THIS IS TO INCLUDE SPECIFIC TYPE OF LAY-IN CEILING GRID.

J. ALL FIXTURES SHALL HAVE INTERNAL FAST-BLOW FUSING.

K. ALL LAY-IN FIXTURES SHALL BE PROVIDED WITH SCREW ON HOLD DOWN CLIPS, AND MAX. 6'-0" LONG ½" FLEXIBLE CONDUIT WHIPS WITH TWO #12 AND #12 GROUND.

L. COORDINATE EXIT / EM MOUNTING HEIGHT AT LOCATION SHOWN

M. FOR LIGHTING IN EXPOSED STRUCTURE AREAS, EC SHALL PROVIDE UNI-STRUT OR SIMILAR HARDWARE FOR FIXTURE INSTALLATION BETWEEN JOISTS.

N. ALL CEILING OR HIGH WALL MOUNTED OCCUPANCY VACANCY, OR DAY LIGHT HARVESTING SENSORS SHALL HAVE A WALL MOUNTED OVERIDE SWITCH IN THE LOCATION SHOWN.

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REVISIONS
1 | 4-21-26 | Addenda 1
5-1-26 | ADDENDUM 3

12/17/25
LAKELAND SCHOOL CORPORATION

25082 - PROJECT B.1 - MAINTENANCE BUILDING

E 075 N, LAGRANGE, IN 46761

SCHEMATIC DESIGN - PRICING SET

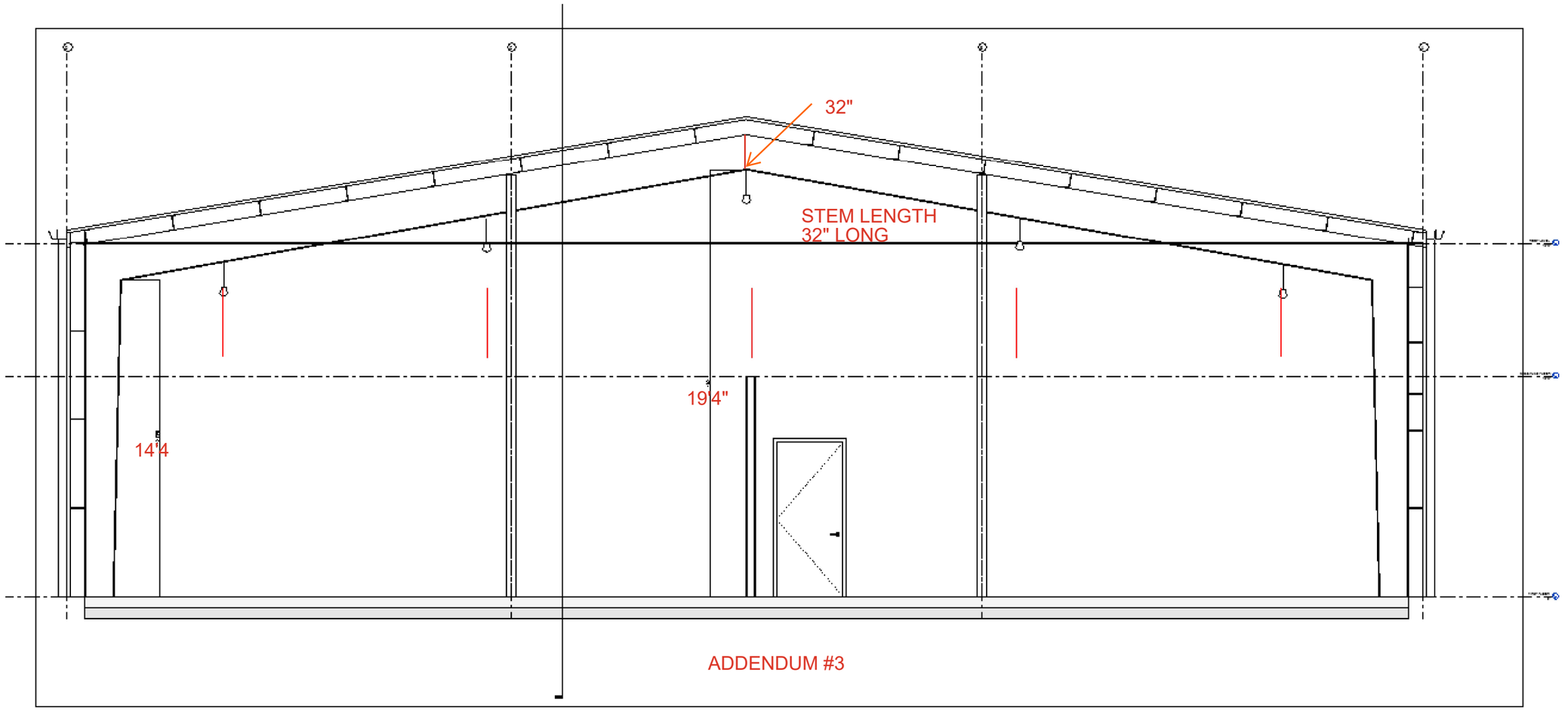
WINFRID D. WILLIAMS REGISTERED No. 10600161 STATE OF INDIANA ARCHITECT

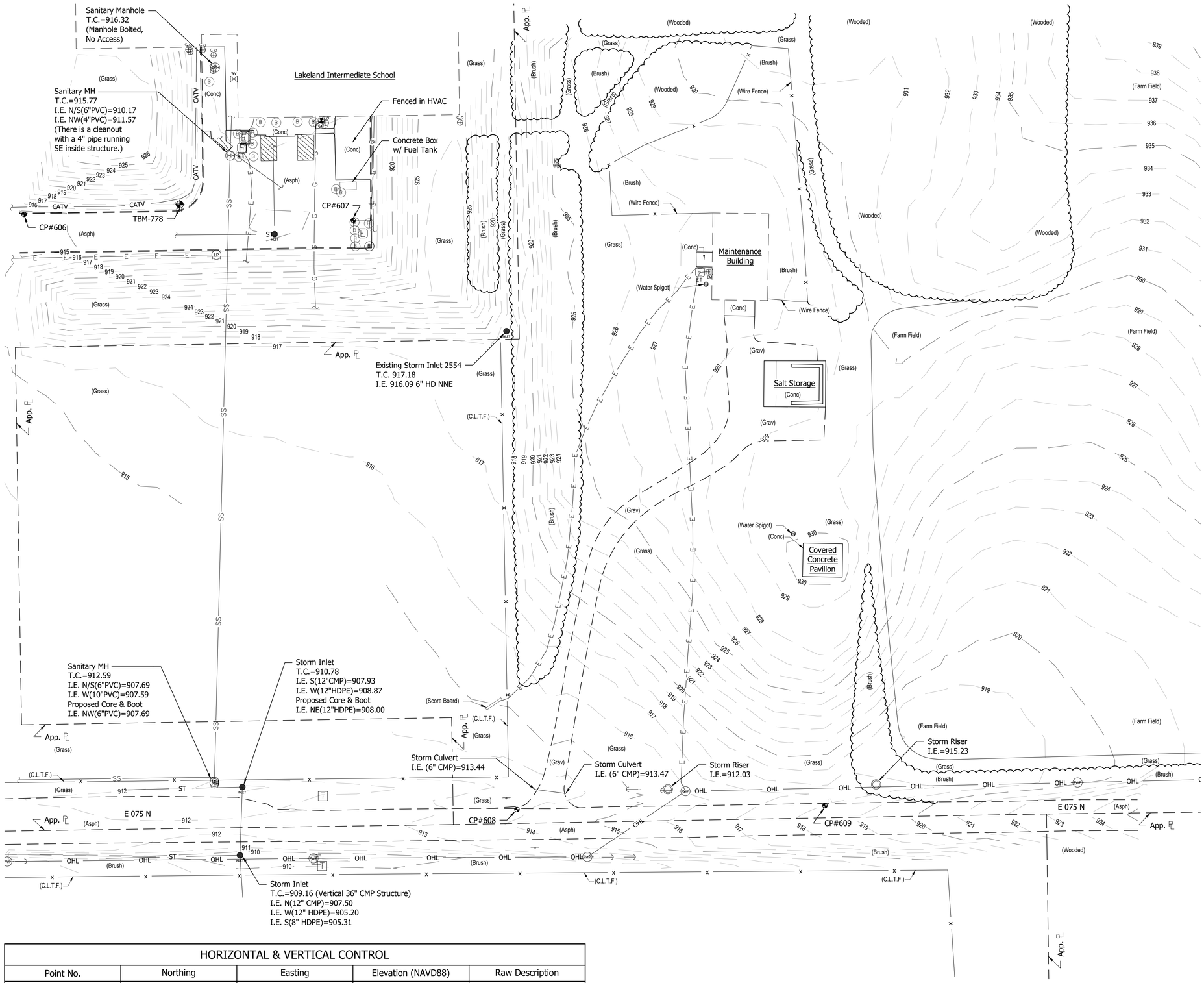
SCHEMATIC DESIGN - PRICING SET
12/17/25
krM JOB NO.
25082
DRAWN BY
Author

DRAWING NAME
ELECTRICAL REFLECTED CEILING PLAN

DRAWING NO.
E2-1

SHEET PRINTED 5/1/2026 8:55:46 AM


32"
STEM LENGTH
32" LONG
19'4"
14'4
ADDENDUM #3



HORIZONTAL & VERTICAL CONTROL

Point No.	Northing	Easting	Elevation (NAVD88)	Raw Description
CP#606	2333199.67	399344.52	914.68	MAGNAIL
CP#607	2333195.78	399557.15	915.32	MAGNAIL
CP#608	2332815.26	399662.87	913.84	MAGNAIL
CP#609	2332817.74	399861.82	917.99	MAGNAIL
TBM-778	2333206.05	399445.08	918.84	TOP NUT OF FIRE HYDRANT

GENERAL NOTES

1. This drawing is not intended to be represented as a retracement or original boundary survey. Deeds, record plat information, and minimal monumentation investigation were used to depict the apparent property lines. Discrepancies exist between record information and found monumentation. Further research and an in depth investigation may be required to determine title.
2. Horizontal and vertical data is based on a solution derived from the Global Positioning System (GPS) Observations processed in INDOT continuously operating reference stations. The coordinate system is US State Plane 1983, NAD 1983 (CONUS), Indiana East Zone. Ground elevations are based upon said INDOT solution on the 1988 North American Vertical Datum (NAVD88). This orthometric elevation was derived utilizing the most recent Geoid Model (GEOID18).
3. Indiana 811 was contacted by client requesting location of buried utilities for this project. GPRS was contracted by land surveyor for private utility locates. All buried utilities marked as a result of the contacts were located in the field and are shown. Other buried utilities may exist on this site that were not marked.
4. GIS data was used to depict the apparent property lines. Further research and an in depth investigation may be required to determine title.
5. The Troyer Group, Inc. is not responsible for the accuracy of the Existing Conditions Plan. Errors or omissions from the survey, changes to the project site after the survey was performed, or other factors may contribute to any discrepancy between this plan and job site conditions. It is the responsibility of the contractor to determine current existing conditions prior to bidding the project.

LEGEND

- ST — Storm Sewer
- SS — Sanitary Sewer
- E — Underground Electric
- CATV — Underground Cable TV
- G — Underground Gas
- W — Underground Water
- OHL — Overhead Line
- 000 — Existing Major Contour
- 000 — Existing Minor Contour
- Tree Line
- X — Fence Line: Chain Link Type Fence (C.L.T.F.) or Wire Type Fence
- Electric Box
- Round Inlet
- Electric Transformer
- Gas Meter
- Fire Hydrant
- Handicap Striping
- Iron Pin Found
- Manhole
- Storm Riser
- Power Pole
- Sign
- Telephone Pedestal
- Water Meter
- Water Spigot
- Water Valve
- Clean out
- Guy Anchor
- Bench Mark
- Horizontal Control

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3 Addendum #3, 4/30/2026

12/17/25
LAKELAND SCHOOL CORPORATION

25082 - PROJECT B.1 - MAINTENANCE BUILDING

E 075 N. LAGRANGE, IN 46761

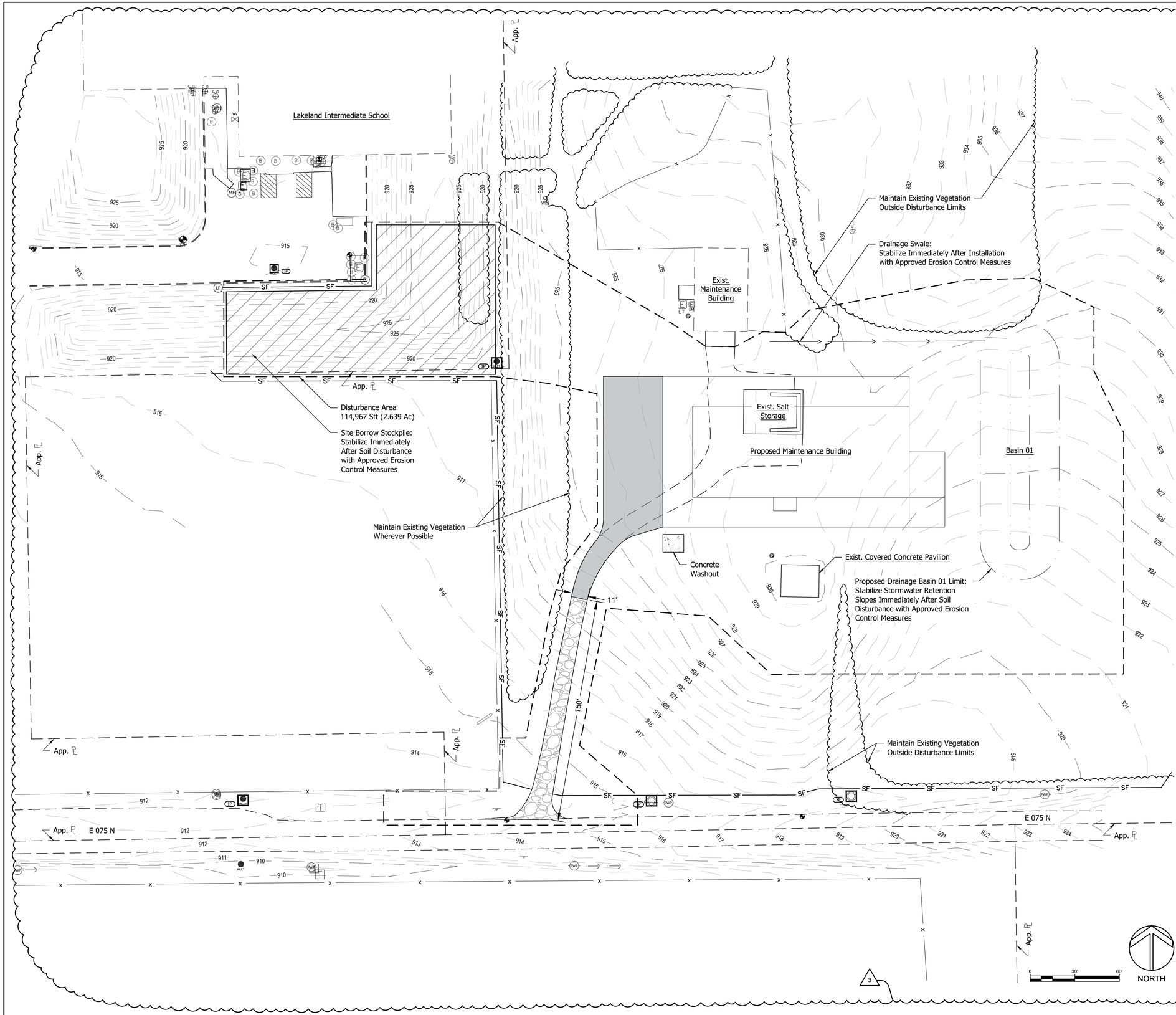
BID SET

RYAN JOSEPH ANDERSON
REGISTERED
No. 12400404
STATE OF
INDIANA
PROFESSIONAL ENGINEER
04/30/2026

BID SET
4/30/26
krM JOB NO.
25082
DRAWN BY
BWC

DRAWING NAME
EXISTING CONDITIONS PLAN

DRAWING NO.
C1-000



GENERAL NOTES

1. Contractor shall field verify all existing conditions. If discrepancies are discovered by Contractor, Contractor shall notify Owner and Engineer immediately for coordination to remedy discrepancies.
2. Contractor shall install additional inlet protection as required for proposed storm water structures.
3. Refer to Erosion Control Notes and Details Sheet (C1-011) for Erosion Control and Construction Sequence Notes in compliance with the Indiana Stormwater Quality Manual.
4. All excavation and site grading shall comply with local, state, and federal regulations, including required IDEM CSGP, prior to the start of construction.
5. All erosion control measures must comply with the required IDEM CSGP, Indiana Stormwater Quality Manual, and local ordinances.
6. Contractor shall install temporary silt fence barriers to contain runoff around stockpiled material.
7. Contractor shall stockpile topsoil separately for use as directed by Owner.
8. Dust control shall comply with the required IDEM CSGP, Indiana Stormwater Quality Manual, and local air quality standards.
9. All disturbed areas shall be stabilized with seed, mulch, or approved methods within 7 days of achieving final grade.
10. Vegetation must achieve 70% density per 2 ft by 2 ft area coverage for permanent stabilization per IDEM CSGP requirements.
11. Access points shall be maintained on an IDEM CSGP approved calendar cycle. A stabilized construction entrance free of mud and debris shall be used to minimize off-site tracking per plan.
12. Any discovery of hazardous materials during grading activities must be immediately reported to the Owner, Engineer, and all appropriate authorities regardless of time of day or day of week.
13. Work in areas affected by hazardous materials must cease until further instructions are provided by Owner.

LEGEND

- Existing Major Contour
- Existing Minor Contour
- Ditch Flowline
- Top of Bank / Toe of Slope; Refer to Sheet C2-100 for Details
- Tree Line
- Fence Line
- Disturbance Limits
- SF — Silt Fence; Refer to Detail 1/C1-011
- Inlet Protection; Refer to Detail 3/C1-011
- Construction Entrance; Refer to Detail 2/C1-011
- Construction Staging
- Concrete Washout; Refer to Detail 4/C1-011
- Electric Box
- Round Inlet
- Electric Transformer
- Gas Meter
- Fire Hydrant
- Iron Pin Found
- Manhole
- Storm Riser
- Power Pole
- Sign
- Telephone Pedestal
- Water Meter
- Water Spigot
- Water Valve
- Clean out
- Guy Anchor
- Bench Mark
- Horizontal Control

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3 Addendum #3, 4/30/2026

12/17/25
LAKELAND SCHOOL CORPORATION

25082 - PROJECT B.1 - MAINTENANCE BUILDING

E 075 N, LAGRANGE, IN 46761

BID SET

KIM JOSEPH ANDERSON
REGISTERED
No. 12400404
STATE OF INDIANA
PROFESSIONAL ENGINEER
04/30/2026

BID SET
4/30/26
krM JOB NO.
25082
DRAWN BY
BWC

DRAWING NAME
EROSION CONTROL PLAN

DRAWING NO.
C1-010

EROSION CONTROL AND CONSTRUCTION SEQUENCE NOTES

1. EVALUATE THE SITE

Before construction, evaluate the site; mark vegetative areas and trees to be protected, unique areas to preserve, on-site septic system absorption fields, and vegetation suitable for filter strips, especially in perimeter areas.

Protect trees and sensitive areas

- To prevent root damage, do not grade, burn, place soil piles, or park vehicles near trees or in areas marked for preservation.
- Place plastic mesh or snow fence barriers around tree drip lines to protect the root zone.
- Place a physical barrier, such as plastic fencing, around the area designated for a septic system absorption field (if applicable).

2. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS

Identify the areas where sediment laden runoff could leave the construction site, and install perimeter controls to minimize the potential for off-site sedimentation. Perimeter controls shall be in place before any earthmoving activities begin.

Protect down-slope areas with vegetative filter strips

- On slopes of less than six percent, preserve a 20-to-30-foot wide (minimum) vegetative buffer strip around the perimeter of the property and use it as a filter strip for trapping sediment.
- Do not mow filter strip vegetation shorter than four inches.

Protect down-slope areas with silt fences and other appropriate practices

- Use silt fence or straw wattles along the perimeter of project area's down-slope side(s) to trap sediment.

Install gravel construction entrance

- Identify existing pavement for access or install a stabilized gravel construction entrance to prevent tracking of mud onto the road by all vehicles. Maintain throughout construction. Sweep paved surfaces daily to remove any sediment that leaves the site. Refer to gravel construction entrance detail.

Protect storm sewer inlets

- Inlet protection devices alone are not efficient in removing sediment from stormwater runoff. Additional erosion and sediment control measures must be incorporated into the plan and the day-to-day construction operations to minimize the amount of sediment entering paved surfaces. The best defense in controlling sedimentation is the installation of perimeter protection down-slope of the construction activity, using gravel construction entrances, and daily cleaning and removal of sediment from paved surfaces.
- "The Indiana Stormwater Quality Manual" contains standards and specifications for various inlet protection devices as well as maintenance guidelines for each device. As these practices are not designed to trap large amounts of sediment and require frequent maintenance if they are to remain effective.
- When selecting an inlet protection measure, it is important to select a device that does not block the inlet entirely. Total obstruction of the inlet will cause excessive ponding and, in some situations, bypass flow that may result in erosion.
- Protect on-site storm sewer drop inlets with silt fence material, gravel ring, commercial basket, or approved equal. Refer to inlet protection detail(s).
- Inlet protection shall be placed before pavement or landscape area within 50' or upstream from structure is disturbed. Protection is to remain and be maintained until pavement and/or planting area are stabilized.

3. PREPARE THE SITE FOR CONSTRUCTION

Prepare the site for construction and for installation of utilities. Make sure all contractors (especially excavating contractor) are aware of areas to be protected.

Salvage and stockpile topsoil or subsoil

- Remove topsoil (typically the upper four to six inches of soil material) and stockpile separately.
- Remove subsoil, including any excavated material associated with basement construction, and stockpile separately from the topsoil.
- On small building sites, it may not be feasible to stockpile soil material on each individual lot due to space limitations. In these situations, soil material should be transported to protected areas designated on the overall construction plan or those areas designated by the developer.
- Locate the stockpiles away from any down-slope street, driveway, stream, lake, wetland, ditch, or drainage way.
- Immediately after stockpiling, temporary seed the stockpiles with annual rye or winter wheat and/or install sediment barriers around the perimeter of stockpiles. Sediment barriers should be placed 10' from the toe of slope.

4. BUILD STRUCTURE(S) AND INSTALL UTILITIES

Construct the structure(s) and install associated utilities, including the sewage disposal system and water well (if applicable); then consider the following:

Install downspout extenders and roof drain connections

- Although not required, downspout extenders are highly recommended as a means of preventing lot erosion from roof runoff.
- Add the extenders as soon as the gutters and downspouts are installed.
- Be sure the extenders have a stable outlet, such as a paved area, or a well vegetated area. Do not route runoff directly to a street in winter due to the formation of ice.

Construction materials

- Manage hazardous chemicals, materials, and other compounds to avoid contamination of runoff. Hazardous materials should be stored with secondary containment.
- Dispose of concrete wash water in an area away from surface waters where soil can act as a filter or evaporate the water. Dispose of remaining cement. Be aware that this water can kill vegetation. For large sites, a constructed concrete washout should be provided per the Indiana Stormwater Quality manual.
- Prevent the discharge of sediment from dewatering operations into storm sewers and surface waters.

Maintain control practices

- Maintain all erosion and sediment control practices until construction is completed and the lot is stabilized.
- Inspect the control practices a minimum of twice a week and after each storm event over 1/2" and daily during prolonged storm events, making any needed repairs immediately.
- Toward the end of each work day, sweep or scrape up any soil tracked onto paved surfaces. Do not flush areas with water.
- Keep an up-to-date record onsite of any alterations to the stormwater pollution prevention plan.
- See construction/land disturbance stormwater permitting requirements for monitoring and documentation of erosion control measures.

Additional temporary measures

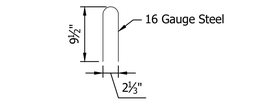
- If construction window extends through winter, temporary mulching as specified in Chapter 7 of the Indiana Stormwater Quality Manual should be used.
- Temporary seeding should be installed on any cleared area that will be undisturbed for 15 days or more.
- Control dust on site when necessary using methods which comply with the Indiana Stormwater Quality Manual.
- Inlet protection shall be provided for all new storm inlets upon installation.

Revegetate Building Site

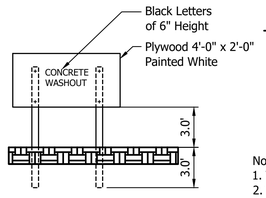
- Redistribute the stockpiled subsoil and topsoil.
- Spread the stockpiled subsoil to rough grade.
- Spread the stockpiled topsoil to a depth of four to six inches over rough graded areas.
- Fertilized and lime according to soil test results or recommendations of a seed supplier or a professional landscape contractor.
- Contact local seed suppliers or professional landscape contractors for recommended seeding mixtures and rates.
- Immediately after all outside construction activities are completed, stabilize the lot with sod, seed, and/or mulch.
- Follow recommendations of a professional landscape contractor for installation of sod or seed.
- Water newly seeded or sodded areas as needed to keep the soil moist. Less watering is needed once grass is two inches tall.
- Mulch newly seeded areas. Spread straw mulch on newly seeded areas, using one and one-half to two bales of straw per 1,000 square feet. On flat or gently sloping land, anchor the mulch by crimping it two or four inches into the soil. On steep slopes, anchor the mulch with netting or tackifiers. An alternative to anchored mulch would be the use of erosion control blankets.
- Monitor site for bare areas and maintain erosion control measures until the vegetative cover meets or exceeds 70% density.

5. REMOVE REMAINING TEMPORARY CONTROL MEASURES

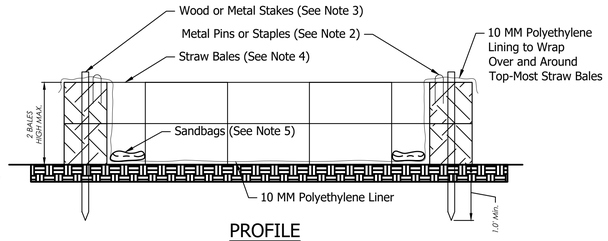
- Once the sod and/or vegetation is well established (minimum of 70% cover), remove any remaining temporary erosion and sediment control practices and stabilize any disturbed area remaining.
- Remove downspout extenders or shorten to outlet on an established vegetated area, allowing for maximum filtration.
- Remove storm sewer inlet protection measures when area within 50' or upstream of the structure has been stabilized.



STAPLE DETAIL



CONCRETE WASHOUT SIGN

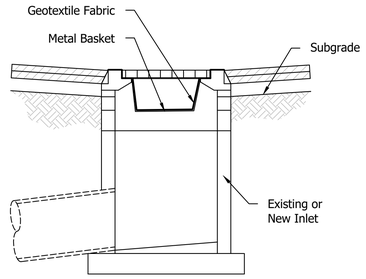


PROFILE

Notes:
1. The Concrete Washout Sign Shall be Installed Within 10 Lft of the Temporary Concrete Washout Unit.
2. The Polyethylene Liner Shall be Secured to Straw Bales with Metal Pins or Staples.
3. Wood or Metal Stakes to Secure the Straw Bales (2 per Bale)
4. Alternative Materials can be Substituted for the Straw Bales to Provide Structural Containment with Prior Approval.
5. Sandbags, Gravel-Filled Bags or Other Appropriate Anchoring Systems Shall be Used to Hold Polyethylene Lining In Place.
6. Prefabricated Washout Systems May be Used with Prior Approval from Governing Jurisdiction.

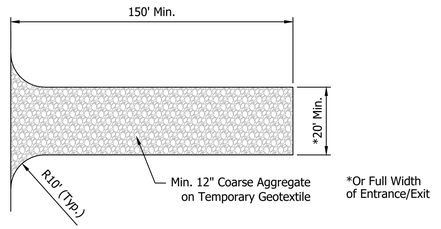
4 CONCRETE WASHOUT

Scale: NTS



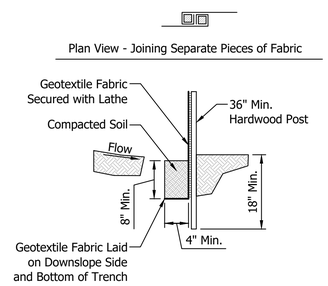
3 INLET PROTECTION

Scale: NTS



2 CONSTRUCTION ENTRANCE

Scale: NTS



1 SILT FENCE

Scale: NTS

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REVISIONS

3 Addendum #3, 4/30/2026

12/17/25
LAKELAND SCHOOL CORPORATION

25082 - PROJECT B.1 - MAINTENANCE BUILDING

E 075 N, LAGRANGE, IN 46761

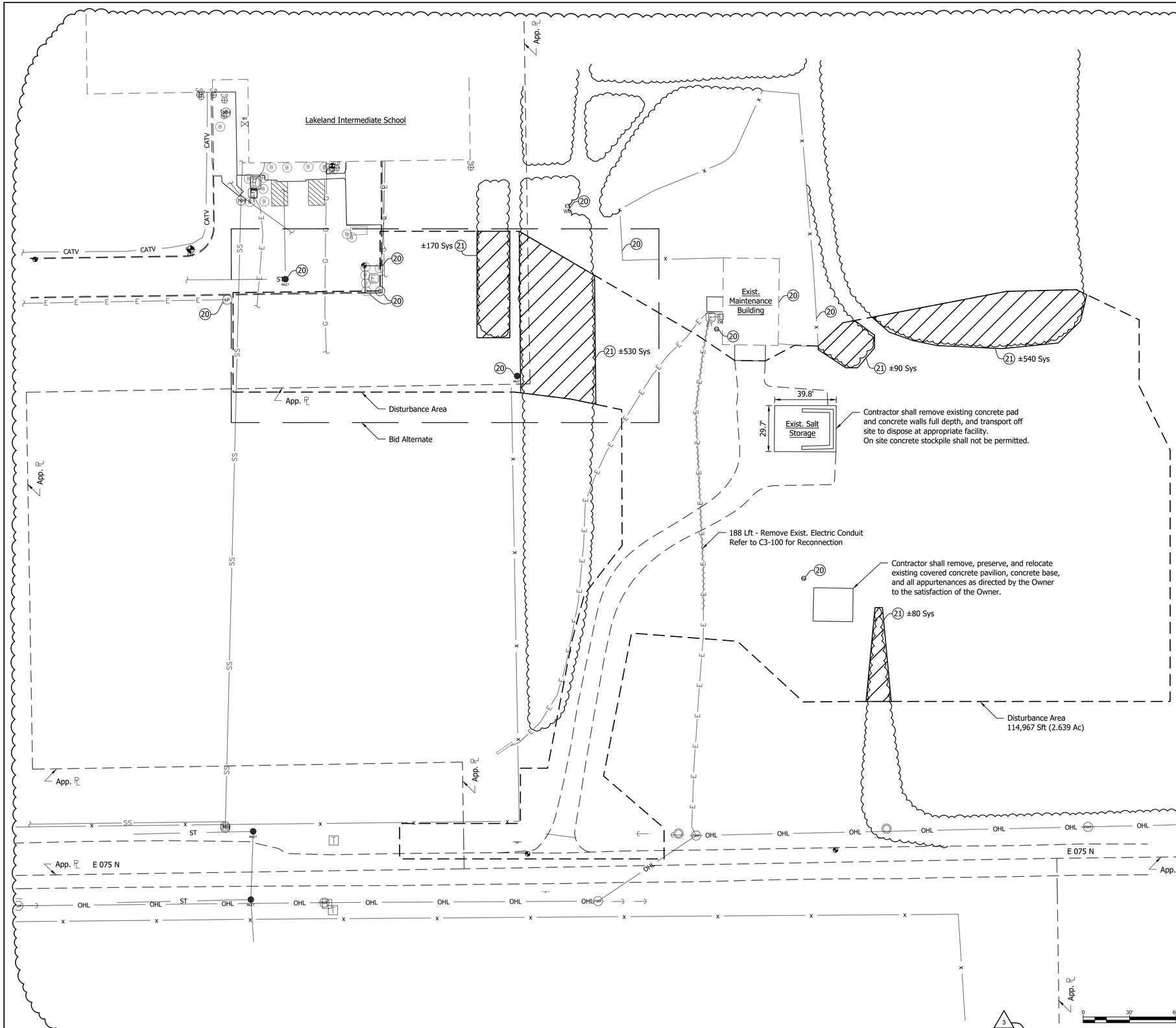
BID SET

RYAN JOSEPH ANDERSON
REGISTERED
No. 12400404
STATE OF INDIANA
PROFESSIONAL ENGINEER
04/30/2026

BID SET
4/30/26
krM JOB NO.
25082
DRAWN BY
BWC

DRAWING NAME
EROSION CONTROL NOTES AND DETAILS

DRAWING NO.
C1-011



DEMOLITION NOTES

1. Contractor shall call Indiana 811 or submit an Online Ticket with Exactix to begin the process for locating utilities and wait the required number of workings days for utility locates prior to any excavation work. Protecting marked and unmarked utility locations are the sole responsibility of the Contractor. Damages to utilities shall be remedied by Contractor at the discretion of the Owner to the satisfaction of the Owner at no additional cost to the Owner.
2. All edges of disturbed pavement to be saw cut, full depth, to achieve clean, straight lines between existing and new pavement.
3. Contractor shall protect existing conditions, including pavement and subgrade facilities, not marked for demolition. Damages to existing conditions not marked for demolition shall be remedied by Contractor at the discretion of the Owner to the satisfaction of the Owner at no additional cost to the Owner.
4. Contractor shall field verify all existing conditions. If discrepancies are discovered by Contractor, Contractor shall notify Owner and Engineer immediately for coordination to remedy discrepancies.
5. Contractor shall dispose of removed materials on a continuous and daily basis as needed. An accumulation of trash debris will not be permitted.
6. The Contractor shall coordinate with Owner regarding the sequencing and timing of all utility disconnections and relocations prior to commencing work. The Contractor shall provide the Owner with adequate advance notice of anticipated utility work to allow for proper scheduling and notification to utility providers and affected parties. The Contractor shall schedule utility interruptions to minimize disruption to existing operations.

KEYNOTES

20 Protect Existing Structure

21 Remove Existing Vegetation; Contractor shall coordinate with Owner prior to tree removal.

LEGEND

- Disturbance Limits
- Bid Alternate Limits
- Utility Removal Limits
- ST — Storm Sewer
- SS — Sanitary Sewer
- E — Underground Electric
- CATV — Underground Cable TV
- G — Underground Gas
- W — Underground Water
- OHL — Overhead Line
- Tree Line
- X — Fence Line
- Electric Box
- INLET — Round Inlet
- Electric Transformer
- GAS — Gas Meter
- FH — Fire Hydrant
- MH — Manhole
- Storm Riser
- PWR — Power Pole
- Sign
- Telephone Pedestal
- WM — Water Meter
- Water Spigot
- Water Valve
- Clean out
- Guy Anchor
- Bench Mark

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PROFESSIONAL ENGINEER
04/30/2026

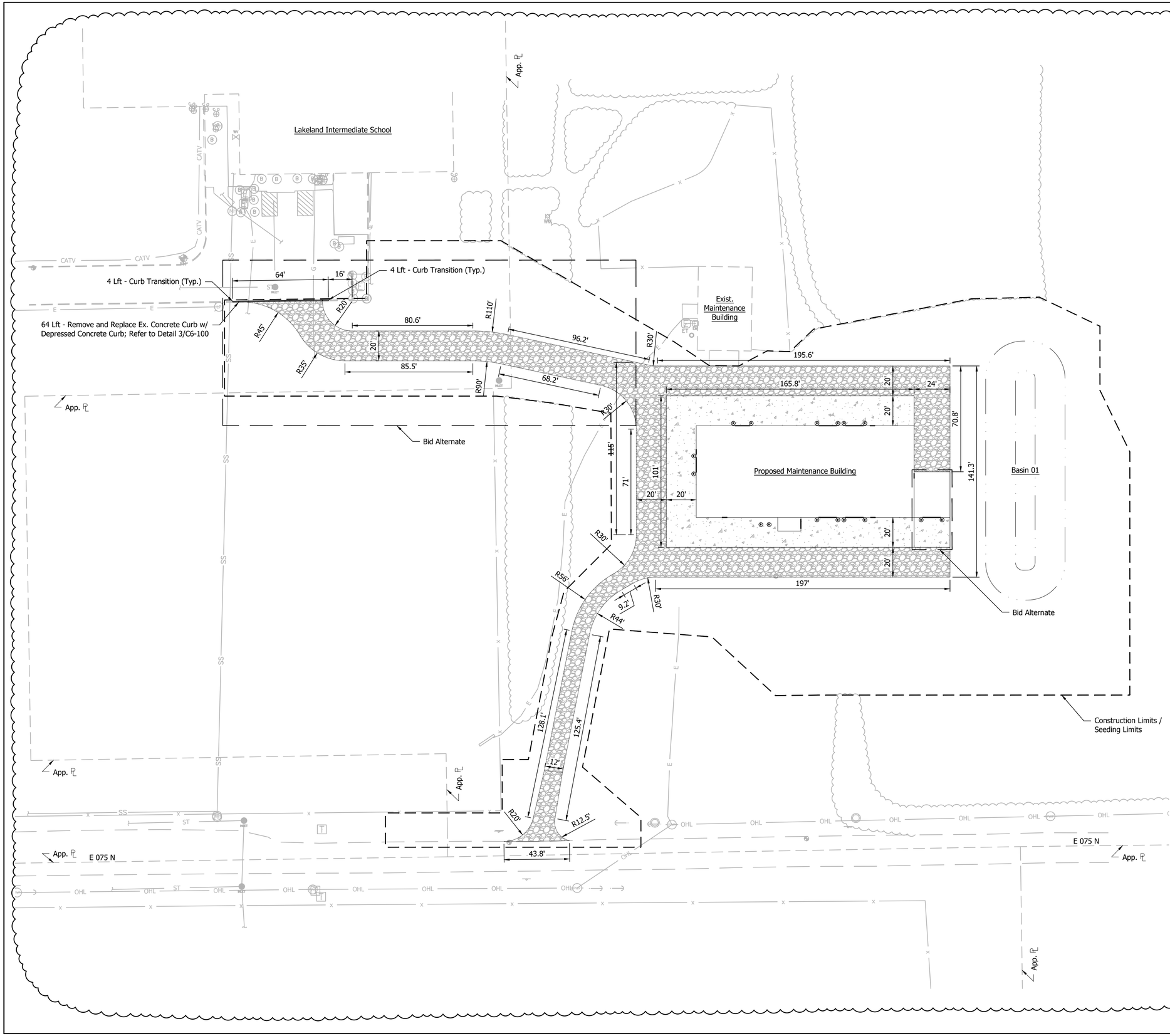
BID SET
4/30/26

krM JOB NO.
25082

DRAWN BY
BWC

DRAWING NAME
SITE DEMOLITION OVERALL PLAN

DRAWING NO.
C1-020



GENERAL NOTES

1. Refer to Architectural drawings for building dimensions and additional information.
2. Contractor shall field verify all existing conditions. If discrepancies are discovered by Contractor, Contractor shall notify Owner and Engineer immediately for coordination to remedy discrepancies.
3. All construction methods and materials must conform to current standards and specifications of the federal, state, county, town or local requirements, whichever has jurisdiction.
4. Contractor shall obtain all necessary permits and approvals before beginning work.
5. Damages to existing conditions not marked for demolition shall be remedied by Contractor at the discretion of the Owner to the satisfaction of the Owner at no additional cost to the Owner.

LEGEND

- Top of Bank / Toe of Slope; Refer to Sheet C2-100 for Details
- Bid Alternate Limits
- Concrete Apron; Refer to Detail 1/C6-100
- Aggregate Pavement; Refer to Detail 2/C6-100

SEEDING NOTES

1. Subgrade to be scarified to a min. depth of 2" prior to placing topsoil.
2. All Topsoil Ph is to be within 6.0-7.0 range.
3. Any undulations or irregularities in surface shall be smoothed prior to turfgrass installation. Flooded, washed out areas, damaged or otherwise shall be reconstructed and all grades re-established by the contractor in accordance with the drawings.
4. Removing debris, sticks, rocks, roots, vegetation clumps that exceed 1" in dia. prior to seeding.
5. Set finished grade of soil to 1" below adjacent hardscape surfaces for seeding.
6. Contractor is responsible for maintaining the accepted, final graded area until sod or seed installation.
7. Once installed, the contractor is responsible for the establishment of the turfgrass to 80% coverage. During the establishment period, contractor is responsible for weeding, watering, fertilizing, and other maintenance to ensure vigorous growth and coverage within a time period agreed upon prior to installation by owner and contractor. All visible weeds taller than turf shall be removed during establishment.
8. Lawn seed to be 40% Kentucky Bluegrass, 20% Creeping Red Fescue, 20% Annual Ryegrass, 20% Perennial Rye Grass. Sow at a rate of 5-6 Lbs/1000 sft.

0 30' 60'

NORTH

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04/30/2026

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4/29/26
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25082
DRAWN BY
BWC

DRAWING NAME
SITE LAYOUT OVERALL PLAN

DRAWING NO.
C1-100

BASIN 01

Elev. (ft)	Elev. Change (ft)	Area (sft)	Avg. Area (sft)	Volume (cft)
927.0		8663.0		
	1.0		7868.5	7868.5
926.0		7074.0		
	1.0		6330.0	6330.0
925.0		5586.0		
	1.0		4891.5	4891.5
924.0		4197.0		
	1.0		3553.5	3553.5
923.0		2910		
	1.0		2316.5	2316.5
922.0		1723		
		Total Volume (cft) =		17091.5
		6% Siltation Factor (cft) =		1025.5
		Total Available Storage (cft) =		16066.0
		Surplus Storage Volume (cft) =		3593.9

CATCHMENT 1 STORAGE REQUIRED

Rational Method:

Overall Area = 48689 sft

Storm Duration:
24 Hour, 100 Year Storm

Runoff Coefficient:

Building	C_1 =	1.00	
Pavement	C_2 =	0.98	
Gravel	C_3 =	0.80	
Lawn	C_4 =	0.20	

Surface Area:

Building	A_1 =	9674	sft
Pavement	A_2 =	5742	sft
Gravel	A_3 =	7441	sft
Lawn	A_4 =	25832	sft

Peak Discharge:

Composite Runoff Coefficient, C_{comp} =		0.54	
Rainfall Intensity, i =		0.238	in/hr
Area, A =		1.12	ac
Peak Runoff, Q =		0.14	cfs
Discharge (24 hr Storm) =		12472	cft
Total Required Storage =		12472	cft

GENERAL NOTES

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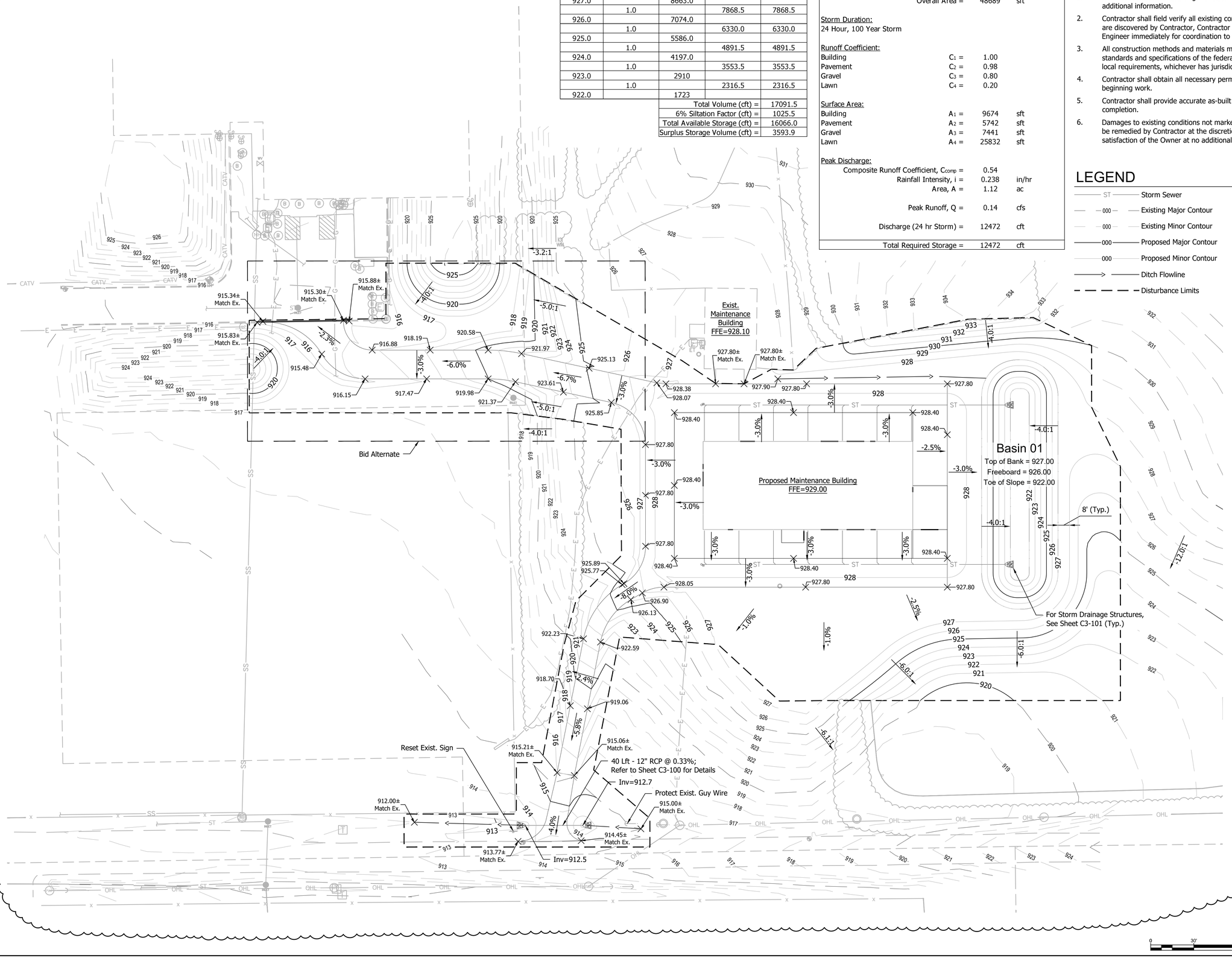
6. Damages to existing conditions not marked for demolition shall be remedied by Contractor at the discretion of the Owner to the satisfaction of the Owner at no additional cost to the Owner.

LEGEND

- ST — Storm Sewer
- 000 — Existing Major Contour
- 000 — Existing Minor Contour
- 000 — Proposed Major Contour
- 000 — Proposed Minor Contour
- Ditch Flowline
- Disturbance Limits



LAKELAND SCHOOL CORPORATION
LAGRANGE, IN 46761

REVISIONS

3 Addendum #3, 4/30/2026

12/17/25

25082 - PROJECT B.1 - MAINTENANCE BUILDING

E 075 N, LAGRANGE, IN 46761

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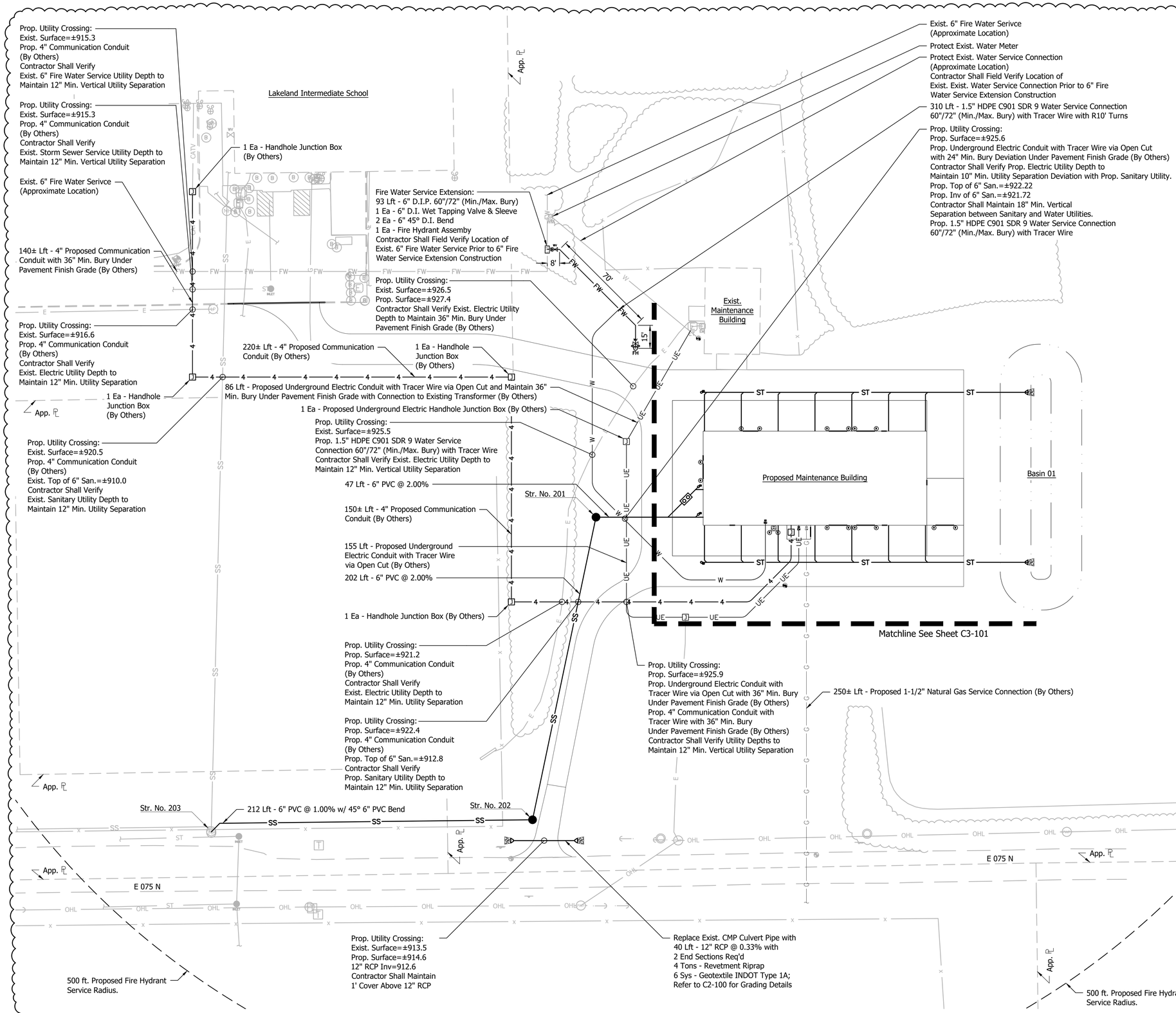
PROFESSIONAL ENGINEER
04/30/2026

BID SET
4/30/26
krM JOB NO.
25082
DRAWN BY
BWC

DRAWING NAME
SITE GRADING AND DRAINAGE PLAN

DRAWING NO.
C2-100



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5. Contractor shall coordinate with all utility providers and governing agencies before installation.
6. Contractor shall provide accurate as-built drawings upon project completion.
7. All water lines shall be flushed, disinfected, and pressure-tested before placing into service.
8. All natural gas lines shall be pressure tested and leak detection performed before being placed into service.
9. Communications service via proposed 4 inch conduit shall be coordinated with communications utility and Lakeland School Corporation operations.
10. All structures, pipe bedding, and backfill to be completed per specifications and details to be provided by Engineer.
11. All PVC pipe shall be SDR 35 unless otherwise noted.
12. Damages to existing conditions not marked for demolition shall be remedied by Contractor at the discretion of the Owner to the satisfaction of the Owner at no additional cost to the Owner.
13. Contractor shall implement traffic control measures per MUTCD guidelines during installation of utility connections within or adjacent to the public right-of-way.
14. The Contractor shall coordinate with the Owner regarding the sequencing and timing of all utility disconnections and relocations prior to commencing work. The Contractor shall provide the Owner with adequate advance notice of anticipated utility work to allow for proper scheduling and notification to utility providers and affected parties. The Contractor shall schedule utility interruptions to minimize disruption to existing operations.

LEGEND

- UE — UE — Underground Electric
- G — G — Gas
- 4 — 4 — 4" Communication Conduit w/ Tracer Wire; 18"/36" (Min./Max. Bury) (Typ.)
- FW — FW — Fire Water
- W — Water Service Line
- ST — Stormwater Sewer
- SS — Sanitary Sewer
- Top of Bank / Toe of Slope
- [J] Handhole Junction Box

STRUCTURE DATA

Str. No. 201
48" San. MH
Neenah R-1642
(Or Approved Equal)
N: 2333029.08
E: 399716.34
Rim=925.28
6" E Inv=922.10
w/ Inside Drop Connection
6" SW Inv=913.95

Str. No. 202
48" San. MH
Neenah R-1642
(Or Approved Equal)
N: 2332840.64
E: 399676.84
Rim=914.64
6" NE Inv=909.91
6" W Inv=909.81

Str. No. 203
Exist. San. MH
Rim=910.78
6" N Inv=907.69 (Exist.)
10" W Inv=907.59 (Exist.)
Core Drill & Boot to Accept
6" E Inv=907.69

3

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04/30/2026

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4/30/26
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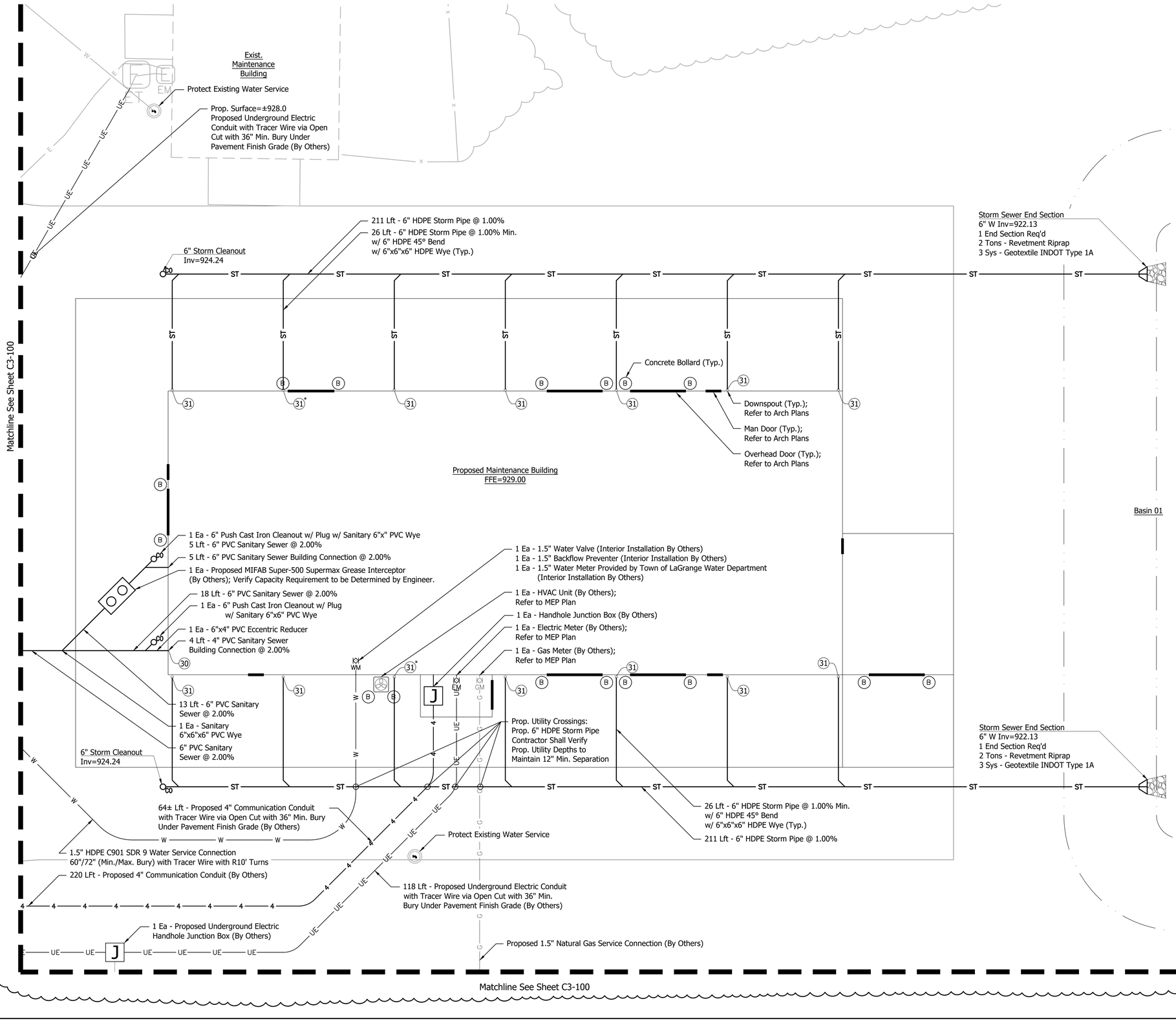
DRAWN BY
BWC

DRAWING NAME
SITE UTILITIES OVERALL PLAN

DRAWING NO.
C3-100



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5. Contractor shall coordinate with all utility providers and governing agencies before installation.
6. Contractor shall provide accurate as-built drawings upon project completion.
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8. All natural gas lines shall be pressure tested and leak detection performed before being placed into service.
9. Communications service via proposed 4 inch conduit shall be coordinated with communications utility and Lakeland School Corporation operations.
10. All structures, pipe bedding, and backfill to be completed per specifications and details to be provided by Engineer.
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KEYNOTES

(30) Sanitary Building Connection Invert to be at 923.50

(31) Storm Building Connection Invert to be at 924.50

(31)* Contractor Shall Provide Gutter Offset Bends to Mitigate Concrete Bollard Conflict.

LEGEND

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- G — G — Gas
- 4 — 4 — 4" Communication Conduit w/ Tracer Wire; 18"/36" (Min./Max. Bury) (Typ.)
- FW — FW — Fire Water
- W — Water Service Line
- ST — Stormwater Sewer
- SS — Sanitary Sewer
- Top of Bank / Toe of Slope
- (B) Concrete Bollard; Refer to Detail 6/C6-100

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LAKELAND SCHOOL CORPORATION
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04/30/2026

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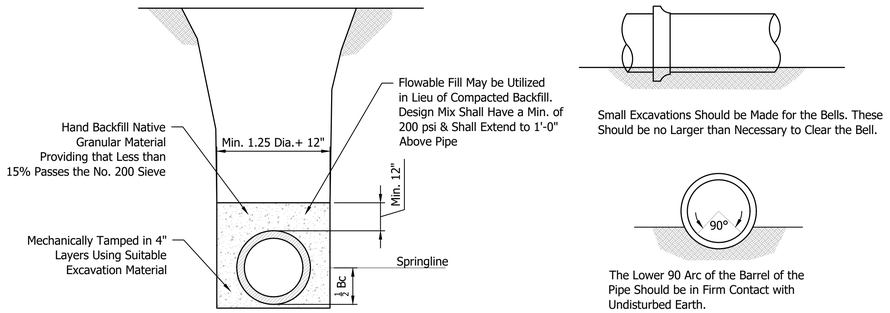
DRAWN BY
BWC

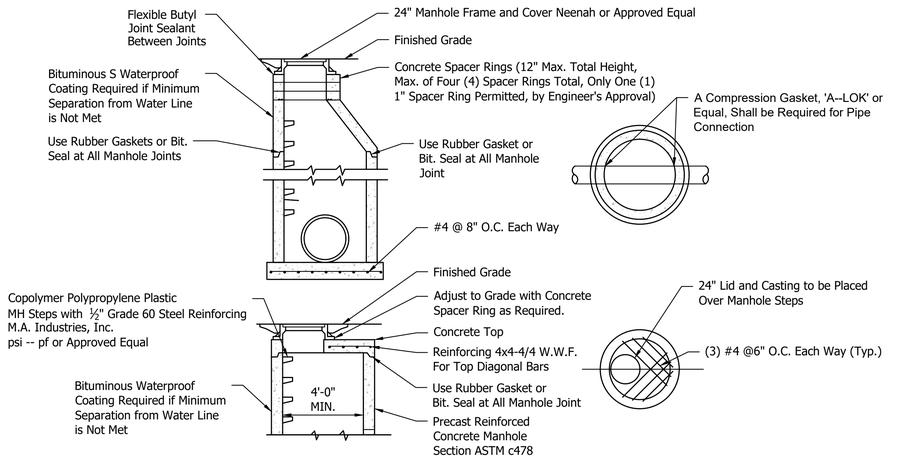
DRAWING NAME
SITE UTILITIES ENLARGEMENT PLAN

DRAWING NO.
C3-101



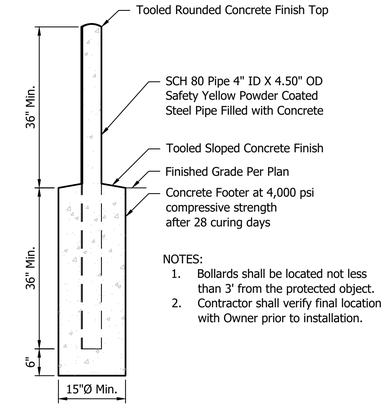
9 PIPE BEDDING

Scale: NTS



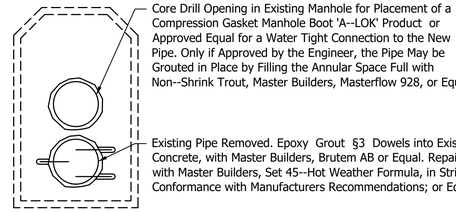
8 STORM MANHOLE

Scale: NTS



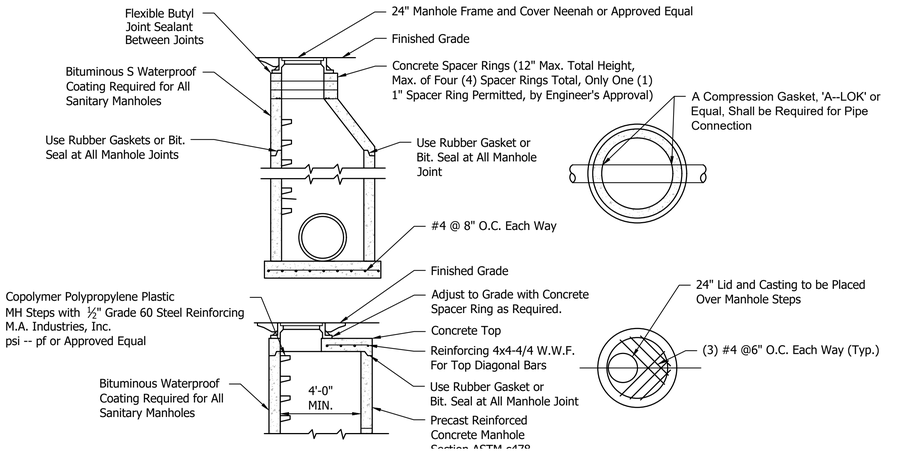
6 CONCRETE BOLLARD DETAIL

Scale: 3/4" = 1'-0"



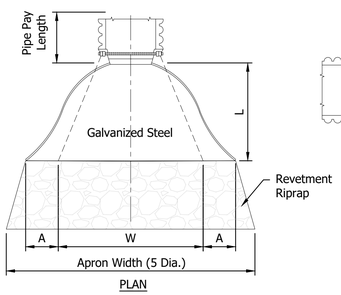
5 CORE DRILL OPENING IN EXISTING MANHOLE

Scale: NTS

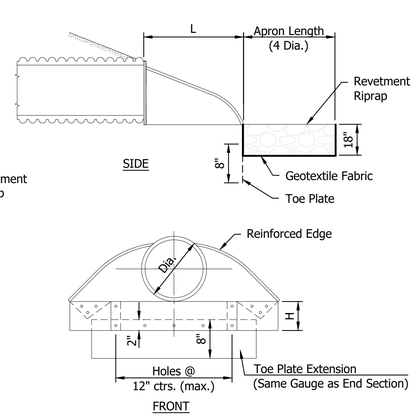


7 SANITARY MANHOLE

Scale: NTS

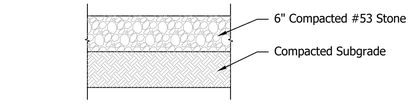


END SECTIONS FOR HDPE PIPE								
Dia.	Gauge	Weight	"A	"H	"L	"W	Slope	Overall Width
6"	18	10	4	3	8	12	2	20"
8"	18	14	5 3/4	4	14 1/2	16	2 1/4	27 1/2"
10"	18	17	7 5/8	6	14 1/2	20	2 1/2	35 1/4"
12"	16	25	7	6	21	24	2 1/2	38"



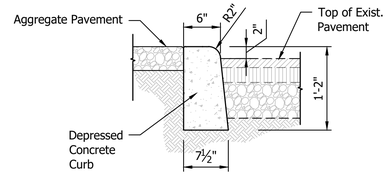
4 PIPE END SECTION W/ RIPRAP APRON

Scale: NTS



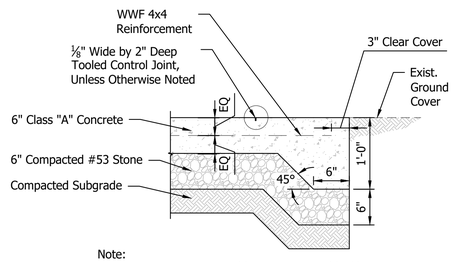
3 DEPRESSED CONCRETE CURB

Scale: 1" = 1'-0"



2 AGGREGATE PAVEMENT

Scale: 1" = 1'-0"



Note:
- Expansion Joint at Buildings or Immovable Objects and Every 50' O.C. (Typ.)
- Control Joint Spacing at 10' Maximum
- Maximum Slope 3% in All Directions

1 CONCRETE APRON

Scale: 1" = 1'-0"

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3 Addendum #3, 4/30/2026

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LAKELAND SCHOOL CORPORATION

25082 - PROJECT B.1 - MAINTENANCE BUILDING

E 075 N, LAGRANGE, IN 46761

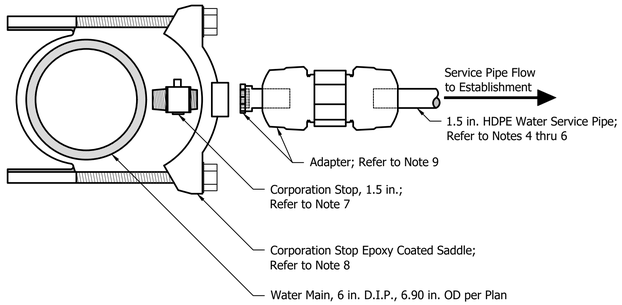
BID SET

WILLIAM JOSEPH ANDERSON REGISTERED No. 12400404 STATE OF INDIANA PROFESSIONAL ENGINEER
04/30/2026

BID SET
4/29/26
krM JOB NO.
25082
DRAWN BY
BWC

DRAWING NAME
SITE DETAILS

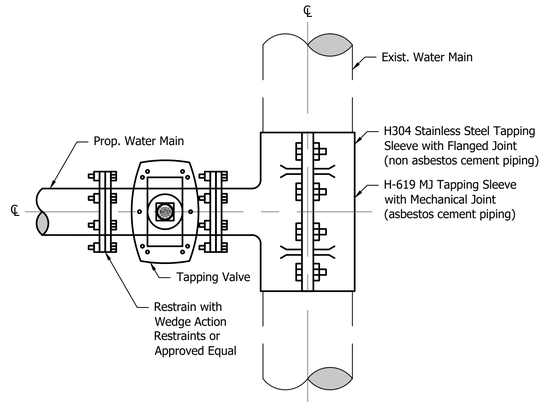
DRAWING NO.
C6-100



NOTES:
1. Contractor shall include all labor, equipment, and material for the work of Domestic Water Service Connection, 1.5 in. work.
2. Contractor shall coordinate with Town of LaGrange Water Department at least ten business days prior to physical tap work.
3. The physical tapping of the water main shall be performed under the direct supervision of the Town of LaGrange Water Department.
4. Water service pipe shall be HDPE AWWA C901 CTS SDR 9 with 1.241 in. ID X 1.625 in. OD in accordance with ASTM D3035 and ASTM D3350.
5. Water service pipe shall be black in color with black/blue stripe with tracer wire.
6. Water service pipe HDPE AWWA C901 connections shall be butt-fused joint and made from PE4710 classified as CC3 per ASTM D3350.
7. Corporation Stop shall be lead-free and located at 90° (level), and Mueller, or approved equal.
8. Contractor shall install JCM 406-6.84-7.60x1-1/2" DI Epoxy Coated Service Saddle with Double Stainless Steel Straps, or Approved Equal, for Corporation Stop.
9. Contractor shall install NIBCO Press Adapter Fitting, Straight, 1.5 in. CTS x 1.5 in. Pipe size, FTG x FNPT, Copper to AY McDonald 1.5 in. Q CTS Coupling (Compression x Compression), or approved equal, to 1.5 in. HPDE Water Service Pipe.

3 DOMESTIC WATER SERVICE CONNECTION, 1.5" IN.

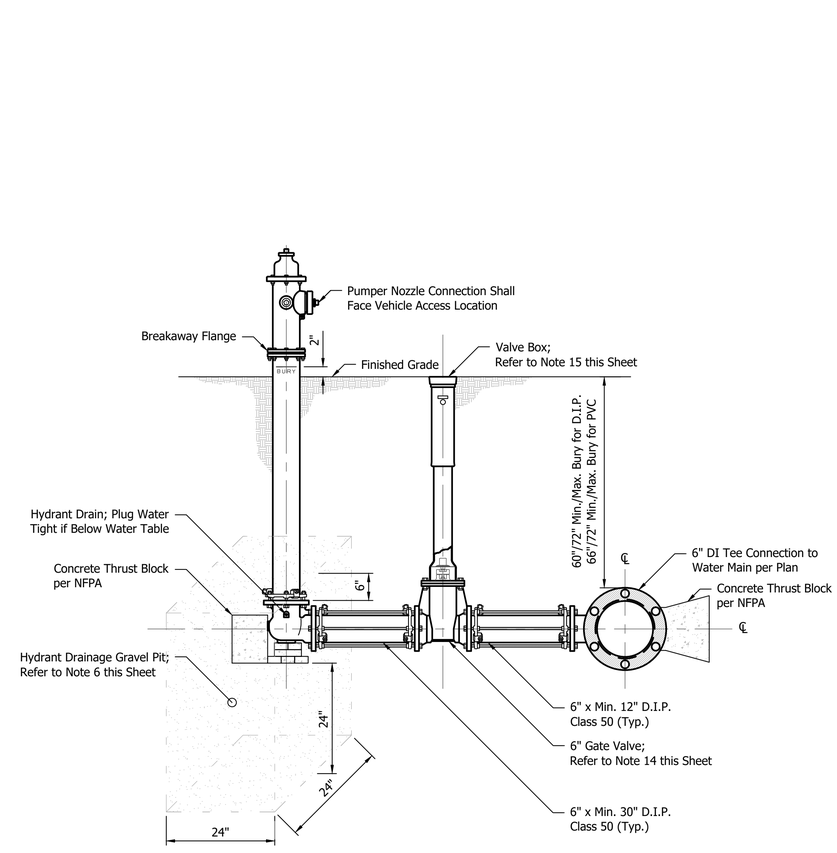
Scale: NTS

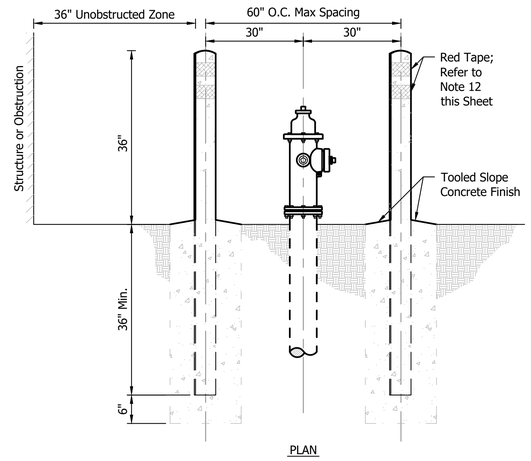


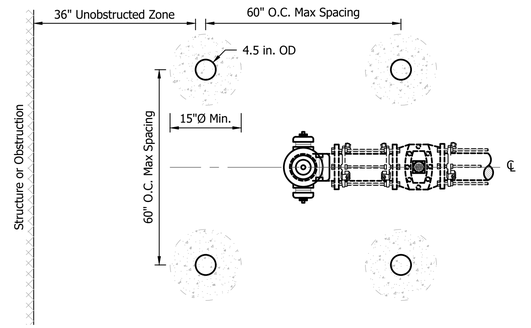
NOTES:
1. Contractor shall include all labor, equipment, and material for the work of Tapping Valve & Sleeve including all excavation and preparation work.
2. Tap made under pressure (Wet Tap) connecting prop. main to exist. main.
3. Contractor shall verify existing conditions for asbestos-cement piping prior to submittal of shop drawing for sleeve.
4. Contractor shall submit shop drawings of Tapping Valve & Sleeve to Owner and Engineer and purchase of Tapping Valve & Sleeve by Contractor is conditional upon approval of shop drawings by Owner and Engineer.
5. Tapping valve shall be Clow, Mueller, or approved equal.
6. Contractor shall coordinate with Town of LaGrange Water Department at least ten business days prior to physical tap work.
7. The physical tapping of the existing water main shall be performed under the direct supervision of the Town of LaGrange Water Department.

2 TAPPING VALVE & SLEEVE (WET TAP)

Scale: NTS







NOTES:
1. Contractor shall include all labor, equipment, and material for the work of Fire Hydrant Assembly including tapping valve and sleeve tee at water main, all connecting pipes, fitting and mechanical joint restraints, gate valve and box, and fire hydrant.
2. Contractor shall submit shop drawings of fire hydrant assembly to Owner and Engineer and purchase of fire hydrant assembly by Contractor is conditional upon approval of shop drawings by Owner and Engineer. Fire hydrants shall conform to ANSI/AWWA C502 and Fire Hydrant Manufacturer / Model / Paint Color shall comply with Local Water Department Specifications;
   Mueller / Centurion / Safety Yellow, or Approved Equal.
3. Paint color shall be per Manufacturer Paint Specifications.
4. Contractor shall provide concrete thrust blocking for all pipes, fittings, bends, valves, adapters, and fire hydrant assemblies per NFPA.
5. Contractor shall provide mechanical joint restraints for all pipe, fitting, bend, valve, adapter, and fire hydrant assembly joints per Manufacturer Specifications.
6. Subgrade disturbed beneath proposed fire hydrant assembly shall be compacted per current INDOT Standard Specification Division 207 for Subgrade Treatment per Geotechnical Engineer Recommendations.
7. Hydrant Drainage Gravel Pit shall comply with Ten States Standards for the horizontal and vertical separation from storm sewer and sanitary sewer. No. 5 stone for drain shall be minimum 2 in. in diameter with minimum gravel pit volume with void percentage to contain volume of hydrant barrel.
8. Install fire hydrant a minimum of 3 ft. from structures or obstructions and set the hydrant bury line 2 in. above finished grade.
9. Install fire hydrant a minimum of 24 in. from back of sidewalk, 36 in. from back of curb, 48 in. from edge of pavement, and 12 in. from Property Line. Final location of fire hydrant shall be determined by Owner and Engineer.
10. When the installation of safety bollards is recommended by the Engineer, shortest distance from safety bollard to structures or obstructions shall be a minimum of 3 ft.
11. Safety bollard shall be SCH 80 Pipe 4 in. ID X 4.50 in. OD safety yellow powder coated steel pipe filled with concrete with tooled rounded concrete finish top. Bollard and footer concrete shall be 4,000 psi compressive strength after 28 curing days.
12. Red tape shall be 3 in. in width with 2 in. vertical spacing beginning from the top of bollard with a minimum of two stripes. Tape shall comply with ASTM D-4956 Retro Reflective Sheeting Type V "Super High Intensity Sheeting for Delineators" and Adhesive Backing Class 1 "Pressure-sensitive adhesive".
13. Fire hydrant assembly installation including excavation, pipe bedding, haunching, and backfill shall comply with Specifications for Water Main Construction. Pipe bedding shall be 4 in. of No. 11 stone on subgrade. Pipe backfill shall be No. 11 stone from bedding to 1 ft. above top of pipe. Beneath and within 5 ft. of pavement limit pipe backfill shall be Compacted No. 53 stone over No. 11 stone pipe backfill to pavement section elevation per plan. Outside 5 ft. pavement limit pipe backfill shall be B Borrow, native soil, or approved equal to cross section elevation per plan.
14. Gate valve shall be cast iron body, fully bronze mounted, with a resilient seat and a non rising stem in accordance with AWWA C509.
15. Valve box shall be cast iron body, three-piece adjustable type. Cover shall be labeled "WATER". Valve box shall include the installation of alignment device "BoxLok", or approved equal. If depth exceeds 6 ft. Contractor shall install extension rod and secure with pin. Install top of casting 0.25 in. below finished pavement or flush within landscaped areas. Casting may be adjusted using adjustment rings.
16. Fire hydrant assembly barrel and valve box shall be straight and plumb. Contractor shall make corrections at the direction of the Owner prior to acception at the discretion of the Owner at no additional cost to the Owner.

1 FIRE HYDRANT ASSEMBLY

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