

Project Name: Lewton - Bid Package I DemolitionProject No.: 221125-100Architect: KingscottDate: 6/11/2025Bid Package No.: IBid Due Date: 6/18/2025 @ 2:00PM

This Addendum is issued to inform the bidders of modifications in the scope of work being bid for this project.

A. Documents included in this Addendum:

- Current RFI's – Inclusive of all Bid Package I – Demolition RFI's received.
- Pre-Bid Conference Sign In Sheet
- Changes to Drawings;
 - NONE
- Changes to Specifications;
 - NONE
- Changes to Project Manual
 - Corrected the drawing included at the end of WC 01 – previous drawing was the site logistics plan, the intent was for this to be the demolition & future earthwork scope clarification drawing.
 - Increased Construction Manager Allowance in WC 07 from \$10,000 to \$15,000.
- Changes to the Site Safety Manual
 - Revised all references to a previous project to reference the current project.

B. Other modifications:

- None

C. Bids are due 6/18/2025 @ 2:00PM.

- **Include in your bid the increase or decrease for all materials, labor, supervision, overhead and profit required to properly and completely execute the work described in this Addendum.**
- **Acknowledge receipt of this Addendum on the Bid Proposal Form.**

The applicable provisions of the Contract Documents shall govern all work included herein unless specifically noted otherwise.

END OF ADDENDUM NO. [#1]



The Christman Company

RFI LOG

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact
12	Stabilized Construction Accesses	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
Q: Austin Brown Sent Tue Jun 10, 2025 at 04:28 pm EDT Will the demolition contractor be responsible for providing stabilized construction entrances?														
A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:29 pm EDT Yes, as indicated on the SESC drawings, all measures including provision of stabilized construction accesses in 3 locations shall be provided by, and maintained by the demolition work category during the course of demolition until future earthwork contractor has began work on site.														
11	Clearing and Grubbing Responsibility	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
Q: Austin Brown Sent Tue Jun 10, 2025 at 04:25 pm EDT Are demolition contractors required to clear and grub the entire site, or will this be handled in another bid package by a site worker?														
A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:28 pm EDT Similar to stripping and stockpiling all topsoil, the only requirement for clearing and grubbing is for all significantly disturbed areas. Note that all tree and stump removal is to be performed by the demolition contractor. All other areas which are not disturbed may remain until future earthwork contractor can strip the site of all topsoil.														
10	Universal Waste Report	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
Q: Austin Brown Sent Tue Jun 10, 2025 at 04:21 pm EDT Is there a universal / hazardous waste report to accompany the asbestos report?														
A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:23 pm EDT There is no universal waste report available for this project. The drawings, specifications, BDN's Hazardous Material Report, and project manual shall be the only sources for identifying all hazardous materials to be removed for bidding purposes.														
9	BDN and Christman bid form	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
Q: Austin Brown Sent Tue Jun 10, 2025 at 04:18 pm EDT Are bidders required to submit both Christman and BDN bid forms?														
A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:19 pm EDT The only required bid form to be filled and submitted is the Christman bid form.														
8	Demolition Permit Responsibility	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
Q: Austin Brown Sent Tue Jun 10, 2025 at 04:17 pm EDT Who is responsible for issuing the demolition permit?														
A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:18 pm EDT The demolition contractor shall submit for, and pay all associated costs with the permitting requirements for abatement and demolition, with the exception for the SESC permit only.														
7	Clarification on WC01 Fencing	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					



The Christman Company

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact
	Q: Austin Brown Sent Tue Jun 10, 2025 at 04:13 pm EDT Work Category 01 states that the fencing in Work Category 07 is by others. Can you please verify that demolition contractors do not have to include any temporary fencing?													
	A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:15 pm EDT It shall be assumed that there is absolutely no fencing required to be provided by the Demolition contractor, and the fencing is entirely under the Work Category 07 responsibility, with the specific exception of any guardrails or temporary measures necessary for safe work to take place during the abatement & demolition progress.													
6	Topsoil Removal	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
	Q: Austin Brown Sent Tue Jun 10, 2025 at 04:09 pm EDT Will topsoil only be required to be stripped the width of a dozer bucket around disturbed areas and stockpiled for later use? Or will demolition contractors be required to strip and stockpile topsoil within the entire work boundaries? It is our opinion that stripping and stockpiling topsoil outside of disturbed areas should be handled by the site contractor along with providing new topsoil at unknown extents for build back purposes to eliminate unnecessary overlap in costs.													
	A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:12 pm EDT Demolition contractor shall strip topsoil in areas where the site has been significantly disturbed (footing excavations, equipment removal, etc.), and stockpiled for future use. All areas where no work has taken place may remain for future removal by earthwork contractor.													
5	SESC Maintenance	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
	Q: Austin Brown Sent Tue Jun 10, 2025 at 04:06 pm EDT Who is responsible for maintaining SESC measures after WC 01 is complete and demobilized from the site in December 2025? Specs state that maintenance of SESC measures is to extend until March 2026.													
	A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:08 pm EDT SESC measures are to be maintained by the demolition contractor from the start of the project in August/September until the future earthwork contractor is on site, assumed time at this moment is in March 2026.													
4	Contract insurance requirements	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
	Q: Austin Brown Sent Tue Jun 10, 2025 at 04:05 pm EDT Are the insurance requirements provided in the sample subcontract accurate for this project?													
	A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:06 pm EDT Yes, contracts issued for this project will have the same insurance requirements as found in the sample contract in the project manual.													
3	Backfill Compaction Testing	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
	Q: Austin Brown Sent Tue Jun 10, 2025 at 03:57 pm EDT Who is responsible for backfill compaction testing?													
	A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 03:58 pm EDT The owner will supply a 3rd party testing agency to verify compaction & fill material.													
2	3rd Party Asbestos Testing	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
	Q: Austin Brown Sent Tue Jun 10, 2025 at 03:50 pm EDT Will the owner handle 3 rd party clearance testing after asbestos abatement?													
	A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 03:56 pm EDT Yes, the owner will handle 3rd party clearance testing, this is to be provided by BDN.													



The Christman Company

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact
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1	Slide Gates Sizing Requirements	Closed		None	Brown, Austin (Th...	06/10/2025	Austin Brown	06/14/2025	06/10/25					
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Austin Brown Sent Tue Jun 10, 2025 at 02:57 pm EDT
Good afternoon,
Q: I was measuring out your gates for the project and I found that there are 2- 40' slide gates and 1- 30' slide gates. Is this correct?

Also do you need any walk gates for this project?

A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 03:49 pm EDT
Work Category 07 Fencing shall assume 3 separate gates sized at 30' in length per project manual, WC07 Specific Notes and Details-Item 1.

Bid# SB-0063 For Lewiston Demo + Abatement
 Date/Time 6/6/25 2pm Pre Bid

Name	Company	Address	City/State/Zip	Phone #	Email Address
Dave Bennett	Global Green	Dearborn Heights 2743 Powers Ave		313-790-4758	Daveeggsg1.com
Phil Emmons	Mackenzie	4248 W. Saginaw Grand Ledge	MI. 48837	517 627-8408	Emmons & mackenzie.com
Matt Klood	BIRKLEIN	200 Bay View N Midland 48642		989-205-6663	MACKED@ BIRKLEIN.COM
Eric Krzwicki	AAI	3420 N. G. Av. Lansing		517-719- 2512	ekrznicki@ aagaisa.com
Jonathan Schueller	Pro-Soil Site Service	3323 N East St Lansing, MI		517-231-4744	jschueller@ prosoil.us
Jeremy Yoho	Trust Thermal	2707 S DECAVEY RD Oakridge	Oakridge	989-720-8834	Yoho@TRUSTTHERMAL.com
Barrett Walquist	ET Mackenzie Co	4248 W. Saginaw Hwy Grand Ledge, MI	Grand Ledge, MI		bwalquist@mackenzieco.com
Kyle Duran	ET Mackenzie Co	4248 W. Saginaw Hwy	Grand Ledge, MI	517.231.8608	Kduran@mackenzieco.com
Brandon Pitsch	Xtreme Demo	1547 Buchanan	GR	616 889.8904	brandonp@xtremedemo.com
Gene Gutina	Pitsch Co	675 Richmond St NW	AK 44504	66-363-4895	gene@pitschco.com
Ken Lawler	BOS Environmental	24422 Ryan Warren, MI	Warren MI 48091	586-755-9030	Klawler@BOS Environmental.com
TODD RANISHAW	A.D.S	9859 LOCKS RD MULLIKEN MI		517-649-4642	TEAD@ABATEMENT DEMO SERVICES.COM

Bid# _____ **For** _____

Date/Time Leuston

[illegible]

Work Category No. 01 – Demolition & Abatement**Work Included:**

The subcontractor shall timely perform all Demolition work, as detailed below, in accordance with the contract documents (including Bidding Requirements, Proposal Section, Contract Forms, General Conditions, Supplemental Conditions, General Requirements, Addenda, etc.), including, but not limited to, the following Specification Sections and Work Scope Items. Unless otherwise noted, this contractor is responsible for all items specified in the following specifications sections:

See Work Category Index and Cross Reference

Work Category Notes:

- I. Complete demolition and off-site disposal of all items of work as shown and/or specified except as noted below. Includes all architectural, structural, mechanical, and electrical demolition. Removals to include, but not limited to, concrete walls, saw-cutting of concrete and masonry walls/foundations, steel framing, existing equipment, cabinets, ceilings, flooring, piping, conduit, etc. Includes all labor, material, accessories, and equipment to complete this work.
 - A. This work category is responsible for their own dumpsters and disposal.
 - B. Provide waste shipment records to BDN, the Construction Manager, and Owner when received by waste facility for all asbestos containing materials.
2. Install all backfill to existing grade as required, including where footings and structures were removed to full depth (as verified by CM prior to backfilling) with required fill per drawings and specifications.

Perform all selective removal for structures and items to be turned over to ownership including play structures, mailboxes, and signage. Contractor to selectively remove all items to be turned over to ownership, including footings intact, without damage.
3. Once removal is complete (including footings) of play structures at various locations, complete removal of play surface to virgin material required. Backfill in accordance with specifications and drawings with appropriate fill to grade as required.
4. Provide all dust control measures as required for demolition activities. If fire sprinklers are to be used, this WC to coordinate with local municipality for all permitting, backflow preventers, and temporary water needs. This shall include all temporary measures required to satisfy local municipality and permitting required.
5. Complete demolition and removal of all footings & foundation structures.
6. Complete demolition and removal of all storm & sanitary structures out to property boundary for capping & marking for future use/removal by others. This WC to coordinate with local municipalities for all permitting, inspections, etc., as required as it relates to utility demolition.
7. Coordinate scheduling and sequencing of this work with other contractors for power and utility shutdowns, capping, and continuation of utility services as required. Coordinate scheduling and sequencing of work with other trades. Contractor shall acknowledge and adhere to the construction schedule and sequencing.
8. Furnish and install all hoisting, scaffolding, temporary platforms, chutes, etc., as required for the performance of this work.
9. Remove and relocate all items designated to be returned to owner to a location on site as determined by

the owner and/or general contractor.

10. Provide, maintain and remove barricades, signage, and other safety precautions that may be required where removal of equipment and/or structure leaves unsafe conditions. Site fencing to be by others. This WC responsible for all temporary safety structures/guards as required by MIOSHA/Christman Safety standards.
11. Provide, maintain, and remove temporary partitions, dust control, and negative exhaust for work. Take precautions and provide measures to protect the public and fellow workers during the performance of this work. Protect existing structures, utilities / drains, equipment, flooring, and other finishes from damage during the performance of this contract.

Specific Notes and Details:

The following details and notes are included in this Work Category; this list is to clarify the specific items noted below and does not exclude other details or otherwise limit the scope of work for this Work Category.

1. This WC responsible for all tree removal, including stumps and roots. As tree demolition may occur outside project site fence, this WC is responsible to coordinate with temporary fencing contractor to perform all work necessary prior to installation of temporary fencing, or ensure tree removal will not require additional fencing relocation during removal. This WC shall maintain all SESC measures for tree/root demolition including but not limited to re-seeding and straw upon completion of tree removal
2. This WC is responsible for all SESC measures (installation and maintenance, as required by weather events and local municipality requirements) until Bid Package 2 construction begins in March 2026. Include logs by a CSWO, maintenance of roads and street sweeping as required by the Construction Manager/local municipality, installation and maintenance of 50' construction access at all site entrances as shown on the SESC plan, silt sack bags in all catch basins at surrounding streets (Mt. Hope Ave., Lewton Place, and corner of Belaire Dr.) and internal to the project until demolition of structures is complete.

NOTE: Construction Manager will file for and hold the permit for all SESC activities as required by local municipality. All inspections performed (weekly at a minimum, and after every rain event) shall be submitted to the construction manager for onsite records. All corrections, violations, etc., as required by local municipality shall be corrected and maintained by this WC until March 2026.

3. Locate, coordinate, and demolish all underground utilities as required (fiber internet, gas service, water, sanitary, etc.), cut and cap at ROW and remove within property boundaries. Coordination, permitting and all other required information with local municipalities for this work is required.
4. Ensure all work is done in accordance with local requirements for dust control and noise ordinance.
5. This Work Category is responsible for all costs associated with acquiring and providing all demolition permitting requirements, right of way permits, sidewalk closures, lane closures, etc., as required to complete a full demolition of the building and site furnishings. Reference drawing C2.1 – Demolition Plan at the bottom of this WC for highlighted notes by Construction Manager in BLUE to be by future earthwork contractor.
6. This Work Category responsible for all temporary water requirements, including provision of temporary bulk water permitting through the City of Lansing, backflow preventor, and all temporary water use costs.
7. Perform all hazardous material abatement (asbestos, lead, PCBs, and all others) as defined in BDN's report. This is to include all selective demolition required to uncover, expose, and abate until complete. Upon completion, verification of full abatement by ownership's third party testing agency shall be scheduled for final verification prior to demolition of structures. Include all materials, tools, equipment, etc. necessary to perform a full and complete abatement of asbestos containing materials (ACM) and presumed asbestos containing materials (PACM) as outlined in the BDN report.

Related Work by Others:

- I. Site fencing to be by WC 07, and installed in coordination with demolition activities.

Allowances:

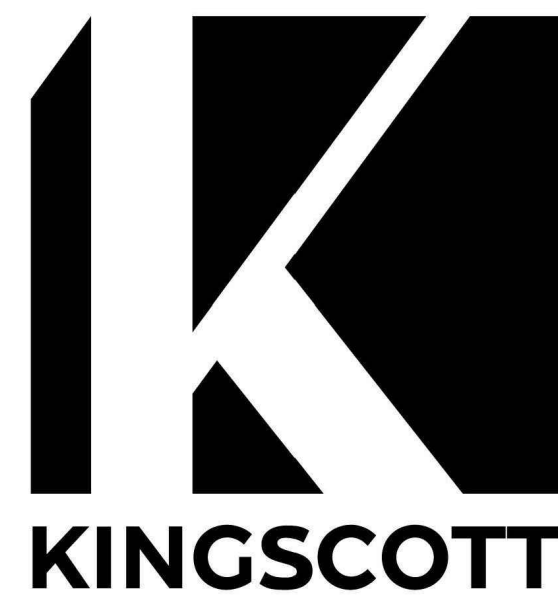
This Contractor shall include in their Base Bid a Construction Manager's allowance of \$50,000. Reference Section 01020 for specific instructions on allowances.

Unit Prices:

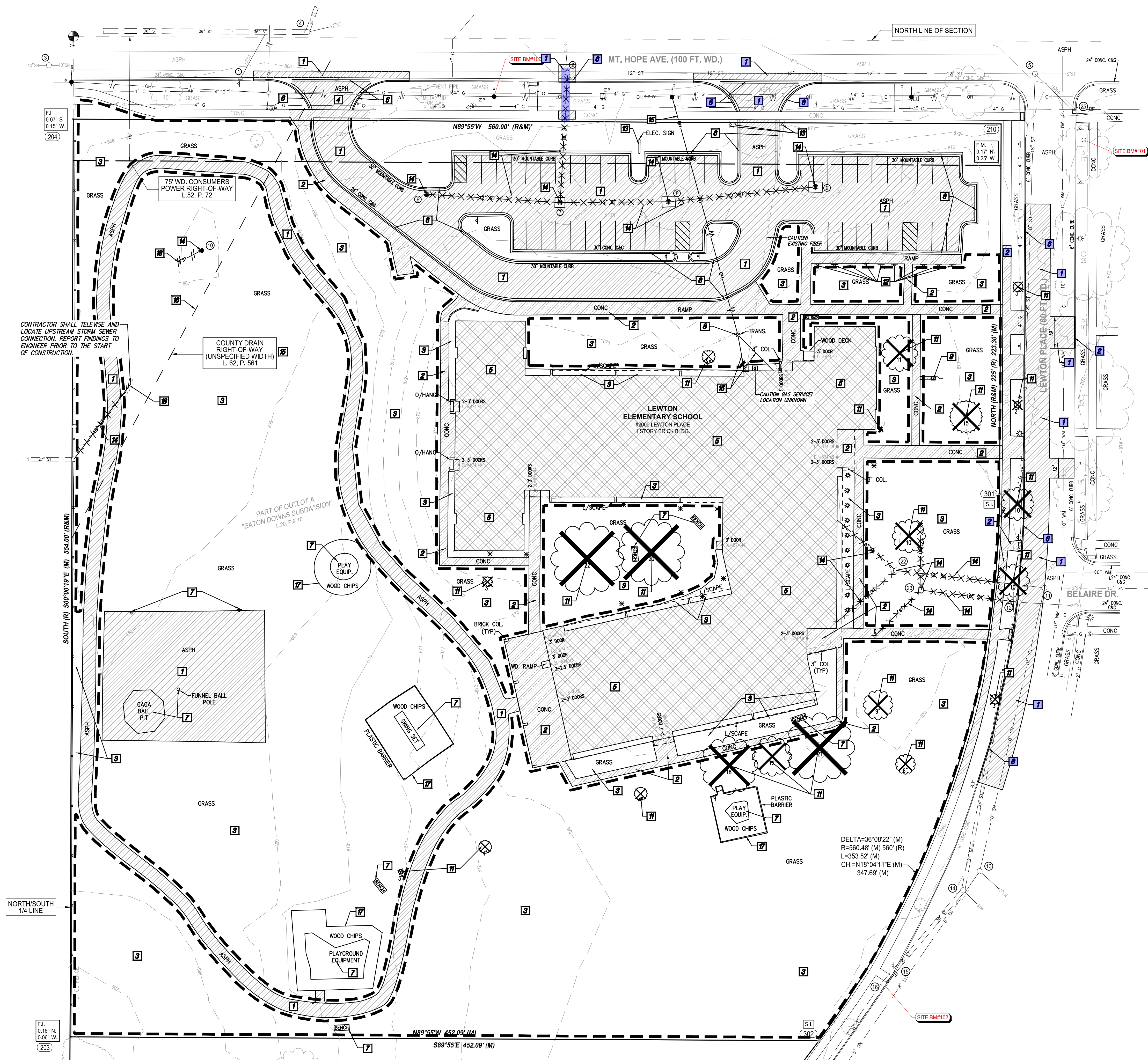
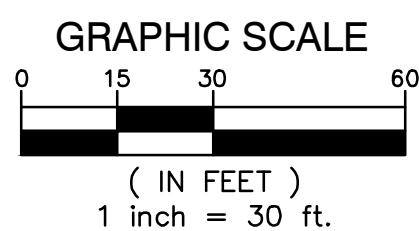
Unit Prices are to be complete furnished in-place operations, and include all costs, incidental materials and work, insurance, fringes, bonds, engineering, overhead and profit. Reference the Trade Contract Proposal form for unit pricing required.

End of Work Category No. 01

Demolition & Earthwork Scope Plan



KALAMAZOO | CHELSEA | GRAND RAPIDS | ROYAL OAK



DEMOLITION PHASING NOTES

DEMOLITION TO BE DONE IN PHASES:

PHASE 1 DEMOLITION ITEMS FOR LSD NO. SB-0063:

1 BUILDING

7 TREES

ASSOCIATED UTILITY POLES (IF APPLICABLE)

PHASE 2 DEMOLITION ITEMS FOR LSD NO. SB-0064:

ALL OTHERS NOT LISTED IN PHASE 1

DEMOLITION NOTES

- 1 REMOVE ASPHALT PAVEMENT TO FULL DEPTH. SAWCUT FULL DEPTH WHERE NEW PAVEMENT WILL BE PLACED ADJACENT TO EXISTING PAVEMENT. EXCAVATE EXISTING AGGREGATE BASE AND SUBGRADE AS NECESSARY TO INSTALL NEW PAVEMENT SECTION AS SHOWN ON THE PAVING PLANS, INCLUDING NEW AGGREGATE BASE.
- 2 REMOVE CONCRETE PAVEMENT TO FULL DEPTH. SAWCUT FULL DEPTH TO NEAREST JOINT WHERE NEW PAVEMENT WILL BE PLACED ADJACENT TO EXISTING PAVEMENT.
- 3 CLEAR AND GRUB TO THE LIMITS SHOWN. INCLUDE REMOVAL OF ALL STUMP, POSTS, FENCEPOSTS, GRAVEL, BRICKS, CHIMNEYS, GRASS, AND TREES NOT INDICATED FOR PROTECTION, INCLUDING ROOTS. STRIP TOPSOIL AND STOCKPILE ON SITE IN DESIGNATED LOCATION.
- 4 REMOVE ASPHALT PAVEMENT TO FULL DEPTH (ASSUMED TO BE "X" BASED ON THE GEOTECH REPORT). EXISTING AGGREGATE BASE TO REMAIN, REPAIR, AND COMPACT FOR PLACEMENT OF NEW ASPHALT PAVEMENT. SAWCUT FULL DEPTH WHERE NEW PAVEMENT WILL BE PLACED.
- 5 DEMOLITION OF EXISTING BUILDING. EARTHWORK CONTRACTOR SHALL ASSUME THAT THE EXISTING PAD WILL BE BACKFILLED AFTER DEMOLITION SO THAT THE GRADES GENERALLY MATCH THE SURROUNDING GROUND ELEVATIONS. AREAS WHERE FOOTINGS AND BASEMENTS EXIST WILL BE FILLED APPROPRIATELY WITH CLASS 2 CRUSHED FILL AFTER DEMOLITION, AND COMPACTED TO 95% OF MAXIMUM DENSITY. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DEMO PLANS FOR COMPLETE BUILDING DEMOLITION.
- 6 REMOVE EXISTING CONCRETE CURBS AND GUTTER.
- 7 REMOVE AND SALVAGE RECREATIONAL AND ATHLETIC EQUIPMENT, BENCHES, BLEACHERS, ETC. THAT FALL WITHIN THE CONSTRUCTION AREA. STAGE IN ON SITE LOCATION AS SPECIFIED BY OWNER (UNLESS NOTED ON THE PLANS).
- 8 PROTECT EXISTING UTILITIES AND UTILITY STRUCTURES TO REMAIN.
- 9 REMOVE EXISTING FLAREPOLE INCLUDING ANY FOOTINGS OR FOUNDATIONS IF PRESENT.
- 10 PROTECT EXISTING TREES AND LANDSCAPING TO REMAIN DURING CONSTRUCTION. SEE TREE PROTECTION DETAIL THIS SHEET.
- 11 REMOVE EXISTING TREE (INCLUDING STUMPS AND ROOTS).
- 12 EXISTING SIGNAGE AND MAILBOXES WITHIN THE CLEANING LIMITS ARE TO BE REMOVED AND SALVAGED. STAGE IN ON SITE LOCATION AS SPECIFIED BY OWNER.
- 13 PROTECT EXISTING SIGNS TO REMAIN DURING CONSTRUCTION.
- 14 REMOVE EXISTING UTILITY PIPE AND STRUCTURES. BACKFILL WITH CLASS 1 FILL AND COMPACT TO 95% OF MAXIMUM DENSITY. INSTALL WATERPROOF BULKHEAD AT STRUCTURES TO REMAIN. GROUT PIPE ENDS THAT REMAIN.
- 15 REMOVE AND DISPOSE OF EXISTING OVERHEAD ELECTRICAL LINES. CONTRACTOR TO COORDINATE REMOVAL OF OVERHEAD ELECTRIC WITH THE CONTRACTOR TO KEEP ANY EXISTING BUILDING OVERSTANDING ELECTRICAL LINES ACTIVE UNTIL BUILDING DEMOLITION PROCESS BEGINS.
- 16 ABANDON EXISTING COUNTY DRAIN EASEMENT PER INDIAN COUNTY DRAIN COMMISSION STANDARDS. COORDINATE WITH I.C.D.C. AND RECORD DRAIN EASEMENT ABANDONMENT.
- 17 REMOVE EXISTING PLASTIC BARRIERS AROUND PLAYGROUND EQUIPMENT.
- 18 ABANDON EXISTING STORM SEWER PIPE IN PLACE (CONTRACTOR TO CONFIRM NO BLIND TAPS, CUT AND INSTALL WATERPROOF CAP AT EXISTING PIPES AND INSTALL WATERPROOF BULKHEAD AT STRUCTURES WHERE PIPE IS TO BE ABANDONED IN PLACE. FILL WITH FLOWABLE GROUT).

ALL DEPRESSIONS CREATED BY DEMOLITION PROCEDURES SHALL BE BACKFILLED WITH CLASS 6 FILL MATERIAL IN 8" LIFTS COMPACTED TO 95% OF MAXIMUM UNIT WEIGHT UP TO PROPOSED SUBGRADE.

CONTRACTOR IS RESPONSIBLE FOR DOING AN EARTHWORK CALCULATION FOR CUT AND FILL REQUIREMENTS, AND IS RESPONSIBLE FOR INCLUDING IMPORT AND EXPORT OF MATERIALS IN THEIR BILL. ALL EXCESS MATERIAL (INCLUDING TOPSOIL, CLEAN FILL, AND WASTE MATERIAL) SHALL BE REMOVED FROM THE SITE.

CONTRACTOR TO PROTECT EXISTING WALKS, PAVEMENT, CURBS, GUTTERS, WALLS, FENCES, GATES, LANDSCAPING AND TREES TO REMAIN DURING CONSTRUCTION.

KINGSCOTT ASSOCIATES, INC. WILL PREPARE AND INCLUDE SPECIFICATION SECTION 01220 UNIT PRICES FOR UNDERCUT AND REPLACEMENT OF POOR SOILS. UNIT PRICE TO INCLUDE DISPOSAL OF POOR SOILS AND IMPORT AND PLACEMENT OF 17"x3" CRUSHED CONCRETE OR 3/4" MAX CRUSHED CONCRETE WITH GEOTEXTILE FABRIC, UP TO PROPOSED SUBGRADE.

PROTECT GEOTECHNICAL BORINGS DURING DEMOLITION.

CONTRACTOR SHALL TELEPHONE AND LOCATE UPSTREAM STORM SEWER CONNECTION. REPORT FINDINGS TO ENGINEER PRIOR TO THE START OF CONSTRUCTION.

COUNTY DRAIN RIGHT-OF-WAY (UNSPECIFIED WIDTH) L=52.1' S61

PART OF OUTLOT A "EATON DOWNS SUBDIVISION" L=80' P=10

DELTA=36°08'22" (M)
R=560.48' (M) 560' (R)
L=353.52' (M)
CH=N18°04'11"E (M)
347.69' (M)

LEGEND

- | | |
|--|---|
| --- PROPOSED WATERMAIN | ● PROPOSED SAN MANHOLE (SAN) |
| --- PROPOSED SANITARY | ● PROPOSED STORM MANHOLE (SM) |
| --- PROPOSED STORM SEWER | ● PROPOSED CATCH BASIN (CB) |
| --- PROPOSED GAS MAIN | ● PROPOSED INLET (INL) |
| --- PROPOSED ELECTRIC | ● PROPOSED END SECTION (ES) |
| ● PROPOSED HYDRANT | ● PROPOSED FIELD CATCH BASIN (FCB) W/REINFORCED CONCRETE OR STANCHION (SP) W/ BAR GRATE COVER |
| ● PROPOSED GATE VALVE & WELL (GVW) | ● UTILITY CROSSING (SEE DATA TABLE) |
| ● PROPOSED TAPPING SLEEVE, VALVE & WELL (TSVM) | ● STORM SEWER STRUCTURE, TYPE STRUCT. NO. |
| ● STANDARD BITUMINOUS PAVEMENT | ● SANITARY SEWER STRUCTURE |
| ● HEAVY-DUTY BITUMINOUS PAVEMENT | ● WATERMAIN STRUCTURE |
| ● DEEP-STRENGTH BITUMINOUS PAVEMENT | |
| ● CONCRETE PAVEMENT | |
| ● CONCRETE SIDEWALK | |

ALL NOTES IN BLUE TO BE BY FUTURE EARTHWORK CONTRACTOR

Lewton School Demo

Lansing School District

2000 Lewton Pl.
Lansing, MI 48915



REVISIONS/REVIEW DATE
CONSTRUCTION DOCUMENTS 5/2/2025

KEY PLAN

LSD NO. SB-0063
JOB NO. 2616.01G

SHEET TITLE
DEMOLITION PLAN

SHEET NO.
C2.1

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Work Category No. 07 – Temporary Fencing

Work Included:

The subcontractor shall timely perform all Fencing work, as detailed below, in accordance with the contract documents (including Bidding Requirements, Proposal Section, Contract Forms, General Conditions, Supplemental Conditions, General Requirements, Addenda, etc.), including, but not limited to, the following Specification Sections and Work Scope Items. Unless otherwise noted, this contractor is responsible for all items specified in the following specifications sections:

See Work Category Index and Cross Reference

Work Category Notes:

1. Furnish and install fencing shown and/or specified including but not limited to sliding gates, chain link fencing and privacy fabric. Includes all material, labor, accessories, and equipment for a complete installation.
2. Protection and cleaning of walkways, parking lots, drives, etc. during and at the completion of this work. Includes removal of spoils.
3. Field verification of underground piping, electrical conduit, site utilities, etc., prior to digging, trenching, plowing or spading operations.
4. Include all layout, staking, and auger work.
5. Fencing shall not use existing buildings or other existing structures as support. Fencing must be an independent entity.

Specific Notes and Details:

The following details and notes are included in this Work Category; this list is to clarify the specific items noted below and does not exclude other details or otherwise limit the scope of work for this Work Category.

1. Provide, install, maintain, and remove three (3) sliding gates. The sliding gates to be minimum 30' in width, and span the full site entrances/exits. Locations are shown on the logistics plan. Remove any concrete footings/foundations installed as part of the gate posts installation. Ensure rolling gate posts are installed with appropriate footings to ensure they do not fall out of adjustment during use. Include all service and adjustment required for duration of demolition and new construction.
2. Provide, install, maintain, and remove new rolled chain link fence around the perimeter of the site as shown on the logistics plan. Fencing to be 6' chain link fence with driven posts. Rolled chain link fence shall be free of damage when installed, and show no prior use. Site posts shall be installed at a distance determined by the installing contractor to ensure shade cloth and wind do not impede the integrity of the fence when shade cloth is fully adhered as described below.
3. Provide, install, and maintain windscreen on the fencing. Windscreen to be black in color, 90% privacy, and entire height of the fence. Grommets to be fully adhered to the site fence, with no grommets skipped for a full and complete installation. Shade cloth to be installed on the interior site side of the fence. Installing contractor shall use metal ties in lieu of plastic zip ties.
4. All temporary fencing and gates to be in place for the duration of the abatement/demo project as well as the new school build that has an estimated completion in Spring 2028.
5. Provide removal of, and reinstallation of gates when site paving occurs in coordination with curb removal, and reinstallation upon curb concrete curing.
6. Coordination with Demolition contractor is required for temporary fencing installation, including tree

removal requirements to ensure demolition contractor shall be able to perform all work necessary without impacting the site fencing.

7. This WC shall provide twenty (20) 10' long temporary panels in addition to all site fencing installed for future use by Construction Manager for utility tie in by future Earthwork contractor, and adjustments in the site fence as required. This shall include twenty two (22) fence panel bases, and forty (40) sandbags.

Related Work by Others:

- I. Refer to Sections 00210 and 01019 for testing requirements and responsibilities.

Allowances:

This Contractor shall include in their Base Bid a Construction Manager's allowance of \$15,000. Reference Section 01020 for specific instructions on allowances.

Unit Prices:

Unit Prices are to be complete furnished in-place operations, and include all costs, incidental materials and work, insurance, fringes, bonds, engineering, overhead and profit. Reference the Trade Contract Proposal form for unit pricing required.

End of Work Category No. 07



PROJECT SAFETY MANUAL

**Lansing School District
Lewton – Demo & Abatement
Lansing, MI**

May 15th, 2025

Statement of Safety Program

It is a fundamental value of The Christman Company that safety always is a primary consideration. It is our policy and a top priority to do all in our power to provide a safe work place for all workers and to mandate the use of good safety practices. Adherence to established safety standards and procedures is required of everyone at all times on the Lewton Project site.

There is no phase of the operation that has greater importance than accident prevention and the preservation of human resources.

This Project Specific Safety Program has been developed in support of these concepts to serve as a reference in assisting all project trade contractors in satisfying their responsibility “to provide a safe, healthful work place, free of recognized hazards.”

The Christman Company
Austin Brown
Assistant Project Manager

The Christman Company
Andrew Dobbs
Project Manager

The Christman Company
Rob Crowe
Vice President

The Christman Company
Donald V. Staley
Vice President/Safety Director

Project Name/Number

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Project Name/Number**I. Introduction**

This Project Safety Manual provides an administrative structure within which The Christman Company and subcontractors present on the Project site shall provide for the safety and health of their employees and other individuals affected by their activities and for the protection of property. This Manual does not relieve subcontractors of any of their traditional or specific legal responsibilities with respect to occupational safety and health or the protection of property. Instead, this Manual provides for coordination among the various subcontractors' individual programs, monitoring of subcontractors' conformance with their individual programs, and the requirements of this Manual, initiation of corrective actions when nonconformances are identified, and documentation of safety related programs, meetings, and incidents. This Project Safety Manual for Lewton has been developed to assist all subcontractors working at the Project site in satisfying their responsibility to provide a safe and healthful work place, free of recognized hazards, for their employees.

All employees, subcontractors, trades people, and visitors are required to watch The Christman Company Safety Orientation Video prior to performing work at the site. The video may be viewed at the site office.

II. Implementation Responsibility

Each and every person working at the Project site shall be responsible to be knowledgeable of the contents of this Manual and comply with every requirement contained herein.

III. Subcontractor Safety Programs

Each subcontractor is required to submit a copy of its written safety program to The Christman Company prior to commencing work at the Project site. Each program shall meet the requirements of the codes and regulations of OSHA, local and other authorities having jurisdiction over the work to be performed and shall include disciplinary procedures and safety orientation training procedures applicable to subcontractor personnel.

Each subcontractor safety program shall include, as a minimum, the following requirements:

- A. All trades are to complete a Jobsite Hazards Analysis (JHA) form every day for all work activities.
- B. Conduct weekly safety (Tool Box) meetings.
- C. Monitor jobsite safety issues daily.
- D. Conduct fire inspections.
- E. Review project specific requirements with employees.
- F. Conduct tool and equipment inspections.
- G. Review all personal protective equipment with employees.
- H. Address fall protection measures.
- I. Address Right-To-Know regulations, including Safety Data Sheets (SDS')

Project Name/Number

- J. Provide hazardous material awareness training.

IV. Discipline Policy

All Subcontractors entering onto this Project are required to comply with all aspects of the project safety program requirements. Those that do not adhere to this program will be subject to this discipline policy. The Project will utilize a three step process for minor infractions; repeat or major offenses of the safety program are subject to immediate removal from the Project.

1. Any re-entry employment programs for safety violations will be initiated only by The Christman Company Superintendent and Project Manager.
2. Verbal warning - The verbal warning **shall be considered given** at the signing of the contract. This warning is to be communicated by the Subcontractor to **all** Subcontractor personnel prior to entering this Project.
3. Written warning - The second warning will be a written warning, documented, with a copy sent to the employee's Supervisor and Corporate Office.
4. A written warning, at the discretion of The Christman Company Superintendent, can result in either removal from the Project or re-orientation of the safety program. The re-orientation will be attended by both the violator and his/her Foreman. This re-orientation may consist of:
 - Video training in the related area of the violation
 - Written verification by the employee that he/she is capable of identifying the hazards related to the violation.
 - The completion of a written Job Hazard Analysis by the employee and his Foreman for the task in which the violation occurred.
5. In addition, any Foreman that has had his/her crew members attend three (3) re-orientation sessions for any reason is subject to removal from the Project.
6. The third infraction of the same safety program issue will result in removal from the Project.
7. Any Foreman, General Foreman, or Superintendent who forces or directs any employee to violate a safety procedure, will be removed from the Project immediately.
8. Any violation deemed threatening to life, limb or major property damage will be grounds for immediate removal from the Project.

Subcontractors will comply with all provisions of The Christman Company's safety program. In the event of Subcontractor's noncompliance, the Subcontract may be canceled, terminated, or suspended, in whole or in part, and The Christman Company may complete the work at the cost of the Subcontractor in accordance with the Subcontract Agreement.

Project Name/Number**V. Weekly Safety Meetings**

The Christman Company will hold weekly construction coordination/safety meetings. All active, on-site subcontractors shall be represented at these meetings. At the beginning of each meeting current safety topics, issues, concerns and problems will be discussed.

Each active, on-site subcontractor shall conduct weekly toolbox meetings. Every worker active on site shall attend. Each subcontractor shall furnish the following documentation to The Christman Company after each toolbox meeting: date, topic(s) discussed, names of attendees, subcontractor's name, and any safety concerns noted.

VI. Safety Inspections

The Christman Company's Project Superintendent will conduct informal inspections of conditions, practices and equipment on a daily basis. The Christman Company's Safety Manager shall schedule visits to the Project site, unannounced, to inspect the work in progress. All safety discrepancies noted shall be reviewed with the Project Superintendent responsible to ensure that corrective measures are implemented.

Supervisors of all active on-site subcontractors are responsible to conduct daily inspections of conditions, practices, and equipment relating to their work areas/activities. Safety discrepancies discovered, along with the corrective measures taken, shall be reviewed with The Christman Company Project Superintendent.

VII. Drug/ Substance Abuse Testing Program

- A. Any employee injured at the Project site and needing offsite medical attention will be tested for alcohol and drugs.** If the injured party was hurt by the action of another person who was not injured, this person must also submit to substance abuse testing. Additionally, any employee causing or contributing to a major incident not resulting in injury will be tested for alcohol and drugs. An employee who tests positive for illegal substances or alcohol will not be allowed to return to the project site. Any employee who refuses to submit to substance abuse testing will not be allowed to work at the project site.
- B. It is the responsibility of the employer to make sure that the testing is performed at the time of the incident.** It is also the responsibility of the employer to cover any costs incurred due to the testing. Results of the testing will be considered confidential. **An employee that is tested late (not within 8 hours of the incident) will be considered as "not tested" and will not be allowed to return to work on the project site.**

Notes:

- 1. Visitors and delivery personnel are not included.
- 2. The drug-screening test shall include testing for cannabinoids, depressants, dissociative anesthetics, hallucinogens, opioids and morphine derivatives, and stimulants. **Refer to Attachment I.**

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VIII. Hazardous Material Control Program

Each subcontractor is responsible for the safe storage, use and disposal of any hazardous material required to perform their scope of work. Each subcontractor using such materials shall provide The Christman Company with a copy of their Hazardous Material Control Program before any of his material is delivered to the Project site. Each program shall, at a minimum, include the following:

- A. Identification and classification of hazardous materials
- B. Safety and health precautions
- C. Training in safe storage, handling and use
- D. Transporting, labeling, packaging, documenting and disposal requirements
- E. Safety Data Sheets (SDS) for all chemicals

Each subcontractor is to submit to The Christman Company a complete list of hazardous chemicals that may be used at the Project site along with a copy of a Safety Data Sheet (SDS) for each. Copies of any subsequent SDS amendments, additions, or corrections shall also be promptly submitted. Additionally, a list of the chemicals that are on site is to be submitted to The Christman Company.

The Christman Company will maintain a master file of all jobsite SDS' for every subcontractor in the on-site Project office. This information will be made available to any employee upon request.

It is the responsibility of each subcontractor to provide proper and adequate employee training as required under this Act.

Compliance with the storage, use and disposal requirements as outlined on labels and SDS's is mandatory for all users; full understanding of these requirements is expected of all users and suppliers of hazardous materials.

IX. Existing Hazardous Material

The Christman Company Site Manager and / or Superintendent and Owner/Client shall review all areas of the Project site for existence of hazardous materials, such as asbestos and lead. If asbestos exists in areas that involve construction work, the Owner/Client shall arrange to remove the asbestos before any construction work takes place in each area.

If lead-based paint exists in areas, which involve construction work, each Subcontractor working in the areas shall be responsible for complying with the requirements of the OSHA standard for lead exposure. The recognition of possible contaminated areas is key to avoiding exposure. If you discover an area that you suspect lead may be present you are to bring it to the attention of The Christman Company Project Superintendent.

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Proper communication regarding the hazardous materials is to be conveyed to all people that may possibly be exposed to the hazard.

Remember - If a suspect hazardous material is discovered notify The Christman Company's Project Superintendent immediately.

X. Personal Protective Equipment and Clothing

Each subcontractor shall supply each of their workers with the proper safety equipment, take any necessary precautions to maintain the equipment according to current regulations and specifications and accept responsibility to assure that proper safety equipment is used when required. All workers shall be required to wear appropriate personal protective equipment and clothing where there is an exposure to hazardous conditions and where needed to reduce hazards to the worker. The following list represents the minimum requirements:

A. Outer Garments

- I. Suitable outerwear is defined as clothing designed to protect from expected hazards. Outer garments should be well fitting. Short sleeve garments may be worn where no hazards to exposure exist. **High Visibility Shirts or Vests must be worn at all times.** For daytime and nighttime work within the right-of-way, apparel shall be labeled as meeting the requirements of ANSI 107-1999 standard performance for Class 2 risk exposure. For the same condition described above but the activity is flagging traffic, a type 3 is to be used.

Tank tops or "muscle shirts" are not permitted. Full pants are to be worn. Neckties should not be worn when working around moving machinery. All employees are to avoid loose sleeves, frills or trims that could present hazards. Racist or profane slogans on outer garments are not permitted.

B. Gloves

Hands are to be protected as dictated by working conditions. Gloves, mittens or hand leathers will be of the type consistent with the hazards present.

C. Hardhats

Hardhats must be worn on site at all times. Acceptable hardhats must meet the requirements of ANSI Standard Z89.1 – Type I Class E.

D. Eye and Face Protection

- A. Safety glasses are required at all times. Acceptable safety glasses must meet the requirements of the most current ANSI Standard Z87.1.
- B. Employees shall be required to wear proper eye and face protection during operations where a hazard or risk of injury exists from flying objects or particles, harmful contacts, exposures such as glare, liquids, injurious radiation, electrical flash, or a combination of these hazards.
- C. Contact lenses or US food and drug administration standard hardened lenses shall not be considered as eye protection.
- D. An employee who needs corrective lenses in spectacles where eye protection is required shall be protected by one of the following:

Project Name/Number

- a. Spectacles whose protective lenses provide optical correction.
 - b. Goggles that can be worn over the corrective lenses without disturbing the adjustment of the spectacles.
 - c. Goggles that incorporate corrective lenses mounted behind the protective lenses.
- E. Face and eye protection equipment shall be of proper size to fit the employee and protect against the intrusion of foreign objects. Face and eye protection shall be kept clean and in good repair. Equipment with structural or optical defects shall not be used.
- F. Face shields and goggles shall be used, as required, to provide eye and face protection when safety glasses are insufficient.
- G. Employees shall wear welding helmets with filter lenses when engaged in welding, cutting, or burning operations or the employee shall wear safety glasses with side shields or goggles under the shield when the shield is raised and is exposed to flying objects. Manufactured welding shields shall be placed around the work area to prevent flash exposure to other employees.
- E. Jewelry
Bracelets, necklaces, rings and earrings are not to be worn during operations where they present hazards to the wearer.
- F. Foot Protection
Work boots or approved safety shoes are to be worn at all times on the project. Special safety footwear for protection against exposure to electrical shock, chemicals, acids, caustics, and hot or molten materials may be required and it is the responsibility of the employer to provide their employees with the appropriate "special footwear" if it is deemed necessary. If an employee is using a Jack Hammer toe guards are required.
- G. Personal Protective Equipment
The use of personal protective gear, such as gloves, respirators, coveralls, safety glasses, ear protection, and the like, will be required as conditions demand and shall be reviewed at the time of employee orientation or when assigning duties. The contractor is required to supply all required PPE to their employees.
- H. Respirators
Any Subcontractor responsible to perform work that requires respiratory protection shall have a written respiratory program in place. A copy of the program shall be submitted to The Christman Company's Superintendent before commencement of any work activities that require the use of respirators. At a minimum, each respiratory protection program shall provide each employee with training relative to the need for use, fitting, fit testing, cleaning and storage of respirators.
- I. Fall Protection
Policy: Fall protection shall be worn and used, 100% of the time, by all persons when there is exposure to a fall greater than six (6) feet unless other provisions such as

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guardrails, safety nets, or fall restraints have been provided. This includes, but is not limited to, steel erection (including connecting, bolting-up, decking, welding or any other steel erection activity), precast erection, roofing activities and masonry work including overhand laying operations.

Exceptions: The safe use of ladders up to twenty-four (24) feet in length.

Unacceptable means of compliance: Safety monitors.

Example of an acceptable means of compliance: A warning barrier fifteen (15) feet from the potential fall hazard. The exception to this will be for roofers performing roofing activities. They will be allowed to move closer to the edge and establish their warning barrier at six (6) feet. Anyone required to cross the fifteen (15) foot or six (6) foot barrier line must comply with the fall protection policy. The barrier shall consist of ropes, chains or wires supported by stanchion posts erected as follows:

- The system shall be flagged at no more than six (6) foot intervals with a high-visibility material.
- The system shall be rigged and supported in such a way that its lowest point (including sag) is no less than thirty-four (34) inches from the walking/ working surface and its highest point is no more than thirty-nine (39) inches from the walking / working surface.
- After the system is erected, the stanchions shall be capable of resisting, without tipping over, a force of at least sixteen (16) pounds applied horizontally against the stanchion, thirty (30) inches above the walking / working surface, perpendicular to the warning line, and in the direction of the floor, roof or platform edge.
- The system line shall have a minimum tensile strength of 500 pounds and after being attached to the stanchions, shall be capable of supporting without breaking, the loads applied to the stanchions noted in the above item.
- The line shall be attached at each stanchion in such a way that pulling on one section of the line between stanchions will not result in slack being taken up in adjacent sections before the stanchion tips over.

XI. Emergency Telephone Numbers

Emergency telephone numbers for the ambulance, hospital, fire department, and police shall be posted in each jobsite office at each phone. Each contractor shall furnish The Christman Company with the emergency contact phone numbers for all key project personnel (e.g. jobsite supervisors, project managers, foreman, etc.). Contact numbers shall include mobile home, pager and other phone numbers available and necessary to access key personnel in the event of a project emergency. Distribution of these numbers will be limited and considered confidential.

XII. First Aid

Project Name/Number

Each subcontractor shall provide The Christman Company with the name or names of each designated first-aid certified worker. Each subcontractor is required to have at least one (1) certified worker on site during periods when the subcontractor is active.

The Christman Company will have a first aid kit on site at the Project office. Each subcontractor shall also provide a first aid kit on site.

XIII. Injury/ Accident Reporting and Investigation

Any worker incurring an injury while working at the **Lewton** Project site shall report the injury to his supervisor immediately. **All injuries shall be verbally reported to The Christman Company the day of the incident/accident, followed up in writing on the proper forms, within twenty-four (24) hours.** Each incident/accident shall be documented using an accident investigation report similar to The Christman Company report (refer to Attachment II). In the event of an accident, the following steps shall be taken:

- A. Make sure that accident victim receives appropriate medical attention. This may involve calling paramedics, arranging transportation to a hospital, or sending victim to a clinic depending on severity of injury.
- B. Notify The Christman Company's Superintendent immediately regardless of the seriousness of the incident or accident. This includes property damage.
- C. Perform a thorough investigation of all facts and circumstances surrounding the accident. This should include:
 1. Photographs of the accident site and any other pertinent areas or conditions, which document the circumstances existing at the time of the accident.
 2. Determine who, if anyone witnessed the accident. Obtain names, addresses and phone numbers and get written statements from them as to what they saw and any other facts they may be aware of regarding the accident and its cause.
 3. Interview the accident victim to hear his/her explanation of how the accident occurred.
 4. Fully complete an accident investigation report and submit a copy to The Christman Company's Superintendent.

All accidents resulting in property damage shall be reported immediately to The Christman Company Project Superintendent in order to allow for documentation of the extent of damage and determination of any required corrective action.

XIV. Assured Grounding Program

This program may be used to ensure that the scheduled inspection and safety condition of construction electrical equipment grounding conductors is satisfactory. The program applies to all extension cords and receptacles not part of the permanent building or structural wiring.

- A. Inspection Procedure

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The inspection procedure for all extension cords, attachment caps, plug/receptacle sets and equipment powered by a plug-in cord will include visual inspection at the beginning of each shift for signs of damage, defects, missing pins or insufficient insulation. Defective equipment will be removed from service until repaired and / or replaced.

B. Test Procedure

The test procedure for all extension cords and receptacles that are not permanent wiring includes testing for electrical conduction and correct attachment to the equipment ground conductor. The frequency of these tests will be as follows:

1. Prior to the first use.
2. Before equipment is returned to service following any repairs.
3. Before equipment is used following an incident which may have resulted in equipment damage.
4. At intervals not exceeding three months. Quarters and tape color should be coded following inspection. Winter (January through March) will be coded in white; Spring (April through June) will be coded in green; Summer (July through September) will be coded in red; and Fall (October through December) will be coded in brown.

Testing for each quarter is expected to occur between 15 days prior to and 15 days after the beginning of that quarter.

Each subcontractor is responsible for assigning a properly qualified person to coordinate their Assured Grounding Program and ensure compliance with this procedure and any other applicable codes and regulations.

Other forms of testing will be accepted as long as the record documentation of the testing can be provided upon request.

XV. General Jobsite Safety Rules

Violation of any of the following general jobsite safety rules is considered to be extremely serious and a detriment to the safety and welfare of all workers. Violation of these safety rules will be cause for disciplinary action up to and including permanent removal from the project.

- A. Report all injuries to the field office. Get first aid promptly.
- B. Keep your mind on your work at all times. No horseplay on the job.
- C. Personal safety equipment must be worn as prescribed for each job, such as: safety glasses for eye protection when sawing or chipping concrete or masonry; hard hats at all times within the confines of the Project site; gloves when handling materials that are harmful to the skin; safety shoes for protection against foot injuries – no tennis shoes, sneakers, or other light duty shoes.

Project Name/Number

- D. Keep your shirt on to prevent sunburn and to protect against acid burns, steam burns, weld splatter and cuts. Minimum clothing for upper body is a "T" shirt. Legs to be protected by long pants – no shorts allowed.
- E. If any part of your body should come in contact with an acid or a caustic substance, rush to the nearest water available and flush over the affected part. Secure medical aid as soon as possible.
- F. Watch where you are walking. Don't run.
- G. The unauthorized use, sale, possession or distribution of alcohol, narcotics, drugs or controlled substances while working or working while under the influence of these substances is prohibited.
- H. Do not distract the attention of fellow workers – to do so may cause injury.
- I. Sanitation facilities are provided for your use. Use them.
- J. Good housekeeping is a must. Keep your work area free from rubbish and debris. Keep materials, tools, and equipment in a neat and orderly fashion.
- K. Do not use a compressor to blow dust or dirt from your clothes, hair, face, or hands.
- L. Use a respirator when working on operations where dust or fumes are present.
- M. Never work aloft if you are afraid to do so, are subject to dizzy spells, or if you are apt to be nervous or sick.
- N. In case of injury to a fellow worker, go for help. Never move an injured person unless it is absolutely necessary – further injury may result. Keep the injured as comfortable as possible and utilize jobsite first aid supplies until medics arrive.
- O. Know where firefighting equipment is located and learn how to use it.
- P. Learn to lift correctly – with the legs, not the back. If a load is too heavy, GET HELP.
- Q. Riding material hoists, crane ball, and sideboards or with your legs dangling over the ends or sides of trucks is not permitted.
- R. Do not use power tools and equipment until you have been properly instructed in their use and operation. Be sure that all guards are in place. Do not remove, displace, damage, or destroy any safety device or safeguard furnished or provided for use on the job, nor interfere with the use thereof.
- S. Rope off or barricade danger areas. Do not enter an area, which has been roped off or barricaded.
- T. If you must work around backhoes, cranes, trucks, and dozers, make sure operators are aware of your presence. All mobile equipment must have backup alarms.
- U. Never oil, lubricate or fuel equipment while it is running or in motion.
- V. Trenches 4 ft. in depth must have a ladder and over 5 ft. must be shored or sloped as required. Keep out of trenches or cuts that have not been properly sloped or shored. Inspect trenches and banks daily. Backfill material must not be stored closer than two feet from top of bank.
- W. Use the "four and one" rule when using a ladder – one foot of base for every four feet of height. Always secure the bottom of the ladder with cleats and/or safety feet. Lash off the top of the ladder to avoid shifting. Ladders must extend three feet above a landing for proper use. Defective ladders must be properly tagged and removed from service.
- X. Erect scaffolds according to manufacturers' recommendations.
- Y. Use only extension cords of the three prong type and protected with a GFCI.

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- Z. The use of fall protection with safety lines when working from unprotected high places is mandatory. Always keep your lines as tight as possible.
- AA. Never throw anything “overboard”. Someone may be passing below.
- AB. Open fires are prohibited.
- AC. Floor perimeter and floor openings shall be properly guarded at all times. Perimeter cabling must be flagged. All covers for floor openings must be secured and marked, “Hole Cover Do Not Remove”. A “hole” means a gap or void 2 inches or more in its least dimension, in a floor, roof, or other walking/working surface. Note – this includes mechanical and electrical sleeves.
- AD. All personnel operating a manlift or forklift must be certified.
- AE. No radios, MP3 players or personal listening devices are allowed on site.

XVI. Housekeeping

A clean work place is a safe work place. Every subcontractor and worker shall be responsible to adhere to the following housekeeping guidelines:

- A. Pick up and dispose of trash and debris on a daily basis. A sufficient number of trash receptacles shall be provided and emptied with regularity.
- B. **Work areas are to be kept clean, orderly and floors are to be swept daily.**
- C. Leads, hoses, and extension cords shall be hung up with a nonconductive material, off all floors, stairways, and walkways.
- D. Trash such as drinking cups, cans, and scraps from lunch are not to be thrown down, but disposed of properly in marked containers.
- E. Materials, equipment, concrete forms, pipe, etc., are to be orderly stacked so as not to obstruct walkways, doors, stairways, ladders, other points of access or egress, etc.
- F. Oil, grease, and other such liquid spills shall be cleaned up at the time of spill and are not to be left unattended.
- G. Participation in mandatory cleanup programs if the project requires it.

XVII. Ancillary Safety Procedures

- A. Lockout/Tagout – a procedure for cutting off all sources of energy or flow of medium to a piece of equipment or system. Refer to Attachment III.
- B. Confined Space Entry – a procedure to assure that workers who perform work in a confined space is protected. Refer to Attachment IV.
- C. Cranes – all cranes and cable (wire rope), rigged hoisting equipment shall have a current annual inspection by an accredited agency prior to working at this site. Contractors also are required to maintain a current annual inspection for the duration of the work. An accredited agency is a third party, which is recognized by the Department of Labor, Occupation Safety and Health Agency. A copy of the annual certification must be submitted to the respective general contractor immediately upon arrival on site. Rigging must be inspected and have required capacity tags.

Project Name/Number

- D. Powder-Actuated Tool Operator – each powder-actuated tool operator will be certified in accordance with OSHA requirements. Operators will carry their certification card on their person while operating powder-actuated tools.
- F. Hole Covers – Any contractor / trade that creates or exposes a hole or opening in a floor or wall is responsible to immediately protect the opening in accordance with OSHA regulations. At a minimum the hole is to be protected by barricades or a secured cover that is sufficient in strength to support any potential load that may be imposed. Additionally, anyone who removes a hole cover is responsible to protect the area while the exposure is present and to re-secure the cover or protection once the work is completed for that shift.

XVIII. Tobacco Use Protocol

Smoking and the use of all other tobacco products, is strictly prohibited within the boundaries of the Lewton project. The use of any tobacco product will be permitted off site. Violation of this policy will be cause for disciplinary action up to and including permanent removal from the project.

XIX. Crane Inspections

Each crane used at the Project site shall have a current annual crane inspection report, which documents that the crane has been inspected within the current year in accordance with established OSHA standards.

XX. Visitor Policy

All visitors to the Project site must report to The Christman Company Project Office upon arrival. All visitors shall comply with the policies and procedures of this Project Safety Manual while on site. Visitors are required to watch The Christman Company safety orientation video and sign the visitor release form. Visitors not sufficiently familiar with the jobsite shall be accompanied at all times by employees familiar with the Project. Visitors must wear a hardhat, Hi-Visibility shirt or safety vest, and proper footwear at all times while on site. Other PPE such as safety glasses are to be worn when the conditions warrant such protection. The contractor requesting approval of the visitor is responsible to issue the proper PPE that may be required.

XXI. Fire Prevention and Protection**A. Fire Prevention****I. Housekeeping**

Proper Housekeeping practices by all subcontractors will help to establish and maintain free and unobstructed egress from the project site. Housekeeping of the project is to be maintained by all subcontractors performing work on the site. It is each subcontractor's responsibility to report areas of the jobsite that present a likelihood of fire to The Christman Company superintendent. Depending on the

Project Name/Number

type of construction and the participation of the subcontractors in daily housekeeping efforts, The Christman Company may create and enforce a mandatory cleanup policy that will be adhered to by all subcontractors.

2. Storage of Flammable and Combustible Liquids

A. General Requirements

1. Only approved containers and portable tanks will be used for storage and handling of flammable and combustible liquids.
2. Approved metal safety cans will be used for handling and use of flammable liquids in quantities greater than one gallon. Plastic containers are prohibited. Flammable liquid materials may be used and handled in original shipping containers.
3. For storage, use and handling of flammable liquids in quantities of one gallon or less, only the original container or approved metal safety cans may be used.
4. Flammable or combustible liquids are not to be stored in areas used for exits, stairways or other high-traffic areas.
5. No storage of flammable or combustible materials is to occur on any roof.

B. Indoor Storage

1. No flammable materials may be stored inside.
2. Materials, which will react with water and create a fire hazard, shall not be stored in the same room with flammable or combustible liquids.

C. Outdoor Storage

1. All storage areas are to be created as to prevent the contamination of surrounding areas in the event of a spill. Proper consideration is to be given to the runoff of rainwater vs. the control of spilled or leaking materials.
2. Containers less than 60 gallons in size are to be placed in areas not to exceed a total of 1,100 gallons. Containers are to be separated by a five feet clearance and will not be nearer than 20 feet to a structure.
3. Portable tanks will not be nearer than 20 feet from any structure.

D. Gas and Oxygen Bottles

1. Full and/or partially used compressed gas cylinders must be attached to approved carts and turned off after each use.
2. All compressed gas cylinders regardless of content amount (full, partially full or empty), shall be properly stored and secured in the area designated by The Christman Company.

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3. Valve protecting caps shall always be in place when cylinders are not connected for use.
4. When moving a cylinder, be sure to remove all gauges prior to the move. Be sure to use a rack when lifting a cylinder to and from upper elevations. Never move a cylinder by rolling it or by dropping it down to lower elevations.
5. Oxygen cylinders must be stored 20 feet away from fuel cylinders or separated by a solid 1- hour divider. Storage is considered as not being used within the next shift of work or 24-hour period, which is ever shorter. Oil and grease must be kept away from oxygen cylinders.
6. Compressed gas cylinders shall be legibly marked with the chemical or trade name of the gas. Marking shall be by stenciling, stamping, or labeling and shall not be readily removable.
7. All L.P.G. not connected for use must be properly stored in the designated area. **NO EXCEPTIONS!**

E. Temporary Heat

1. Temporary heaters must be installed and serviced by authorized technicians only.
2. Housekeeping in the area of the heater is extremely important and all subcontractors are responsible to insure that no materials are stored near the heater or in such a fashion that they may create a hazardous condition.
3. All temporary fuel burning heaters are to have functioning safety valves that will eliminate fuel flow in the event of flame outage.
4. If a heater is to operate for an extended period of time it must have a daily scheduled inspection to insure that it is operating correctly and that the area is clear of possible obstructions.
5. The Christman Company superintendent may assign maintenance, operation, and inspection responsibilities to a subcontractor.
6. All subcontractors are responsible to notify The Christman Company immediately in the event of a malfunctioning heater or potential for a hazardous condition.

F. Hot Work Operations and Permit Procedures

Many of Christman projects are within existing operating facilities. Clients may have established procedures at their facilities to ensure all safety precautions have been taken prior to initiating operations involving Hot Work. Additionally, Hot Work permits may be issued by Client operations personnel to control the work within operating areas and ensure that operator/maintenance/construction personnel are aware of client required safe work practices. It is the responsibility of all personnel entering client controlled operating areas to obtain the proper Client authorization and appropriate work permits. The Christman Company shall be informed of any intended Hot Work prior to initiating. The

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Christman Company will coordinate our Hot Work permitting program with any other existing program being implemented by the Client. Regardless if the Client has a Hot Work procedure, NO Hot Work shall take place without first coordinating with The Christman Company.

The purpose of this procedure is to eliminate the potential for injury to personnel and damage to equipment and property due to fire, sparks, heat or explosion resulting from cutting, welding and similar hot work.

A "Hot Work Permit" will be required by The Christman Company when using any equipment, tools or apparatus capable of generating heat, sparks or flames in any restricted areas; enclosed interior areas or as determined by the project superintendent or site safety manager (Refer to attached Hot Work Permit). The Christman Company, through designation of a Permit Authorizing Individual (PAI), will ensure adherence to this Hot Work permit procedure. Failure to comply with this Hot Work Permit procedure may result in immediate and permanent removal from the project. The discipline policy as described in section IV of the project specific safety manual will be enforced.

Upon issuance of the proper work permit by Christman or the Client's representative, the PAI shall completely perform the required actions indicated on the permit, check all boxes on the permit, and sign off on it. The PAI shall print their name and sign the work permit verifying he has reviewed the permit and understands the limitations and requirements within.

Upon receiving the permit, it is the responsibility of the PAI to review the permit with his employees/crew explaining the precautions and limitations of the proposed task and assure that the permit system is implemented correctly.

The following conditions apply to all hot work permits:

- The contractor will be responsible for providing all the required training, materials, personnel and protective equipment to conduct all hot work.
- Contractor personnel who perform fire watch duties must be trained to perform the task and trained to use a fire extinguisher.
- A permit is not valid for more than one shift. In any case, the duration of the Hot Work Permit shall not exceed 12 hours. A new permit is to be issued if the job/task duration exceeds 12 hours.
- Prior to starting operations, the working areas and any levels below must be reviewed to assure that flammable material and equipment has been removed from harm's way.
- Adjacent contractors have been informed of the impending hot work.
- Contractor supplied firefighting equipment must be in place and readily available for worker use.
- A restricted zone must be established outside of the working area and at any areas levels accessible below.
- A fire watch must be established and maintained for a designated period after hot work has been completed. The duration of the fire watch is dependent

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upon the type of hot work being performed and the working area. Fire watch can range from one (1) to two (2) hours.

- Hot work permits must be prominently displayed within the hot work area and available for review. Workers assigned to fire watch duty must be readily identifiable and within the area. Fire watch must be maintained through break and lunch periods.

Occasionally Special conditions may apply to hot work permits, based on the environment of the work area and the type of operations being performed. Special conditions to the permit may include the following:

- Fume monitoring and control measures.
- Flame retardant ground and wall coverings.
- Extended fire watch
- Dosing or spray down of work areas after hot work completion.
- Use of smoke and carbon monoxide detectors.
- Oxygen and gas monitoring.

Hot work permits are to be collected by the PAI at the expiration of the permit, conclusion of task or end of shift. After the permit has been closed out they are to be submitted to The Christman Company superintendent or site safety manager for review.

Copies of the permit will be retained by The Christman Company for the duration of the project.

B. Fire Protection

1. A means of egress shall be established and maintained. Each subcontractor is responsible to notify The Christman Company if the means of egress is not obvious or if it is obstructed.
2. The rules for evacuation will be posted on the project bulletin board area adjacent to the other OSHA required postings. If the location of the work is such that posting of the rules is not feasible, a copy of the rules and a map of the evacuation route (if applicable) will be given to each subcontractor working on the project. It is the responsibility of each subcontractor to make their employees aware of any such posted or otherwise conveyed rules, maps or procedures for the safe and orderly evacuation of the project.
3. Emergency phone numbers shall be posted next to each phone in the jobsite trailer or office.
4. Firefighting equipment shall be provided by the subcontractor for protection of their employees. In some cases, The Christman Company may provide "common area"

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protection. Each subcontractor is to coordinate their efforts to comply with this rule with The Christman Company superintendent. Defective equipment shall be immediately replaced and brought to the attention of The Christman Company superintendent.

5. Fire walls and exit stairways required for the completed buildings are given construction priority. Fire doors with automatic closing devices shall be hung on openings as soon as practicable.
6. Retain existing fire separations in buildings undergoing alterations or demolition until operations necessitate their removal.

C. Employee Emergency Action Plan

The Christman Company's project superintendent shall be the person in command in the event of a fire or other emergency. It shall be his responsibility to oversee that employees are evacuated and the emergency response team is notified. The superintendent shall designate another employee as second in command. Fires and other emergencies shall be reported to the superintendent immediately. All employees are required to familiarize themselves with the evacuation plan for the site and with the designated contacts for emergency response team.

In the event of a fire or other emergency, employees shall evacuate the building through the nearest exit after determining it is safe to do so. Upon exit from the unsafe area, the employee should contact his superintendent and coordinate efforts to call the emergency response team (911). Each foreman or superintendent is responsible for a head count of their employees after evacuation. The Christman Company superintendent is to be notified of any missing employees.

If critical operations must be conducted or continued within or near an unsafe area during a fire or other emergency and the superintendent deems that limited activity may continue in the area, the superintendent shall establish a plan to monitor those employees in the unsafe area as well as a way to quickly evacuate them should the conditions become worse. If monitoring and quick evacuation are not possible, the operations shall be abandoned until conditions improve.

All employees are responsible for the joint welfare of all other employees. During evacuation, ambulatory employees trained in first-aid/CPR are responsible to assess the conditions of non-ambulatory employees and assist in their evacuation. Employees who cannot be moved must be reported to the superintendent upon evacuation.



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Project Safety Manual

PROJECT SAFETY MANUAL
SUBCONTRACTOR AND TRADE CONTRACTOR ACKNOWLEDGEMENT

I hereby acknowledge receipt and comprehension of the policies and procedures set forth in this Manual and agree to comply with its directives.

In addition, I hereby agree to comply with any field or trade-related guidelines as they apply to the portion of work for which I have been contracted and will incorporate them into the ongoing safety effort. I also understand and agree to comply with any State and Federal OSHA and ANSI regulations, standards, codes and rules as they apply to my portion of the work.

(Signed)

(Print Name)

(Title)

(Company Name)

(Date)

**Please sign and fill out the information requested above and return to
The Christman Company.**