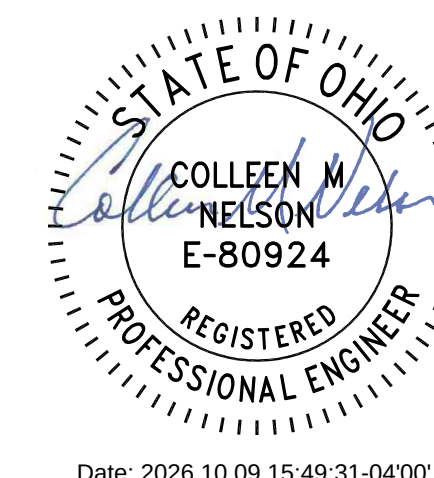


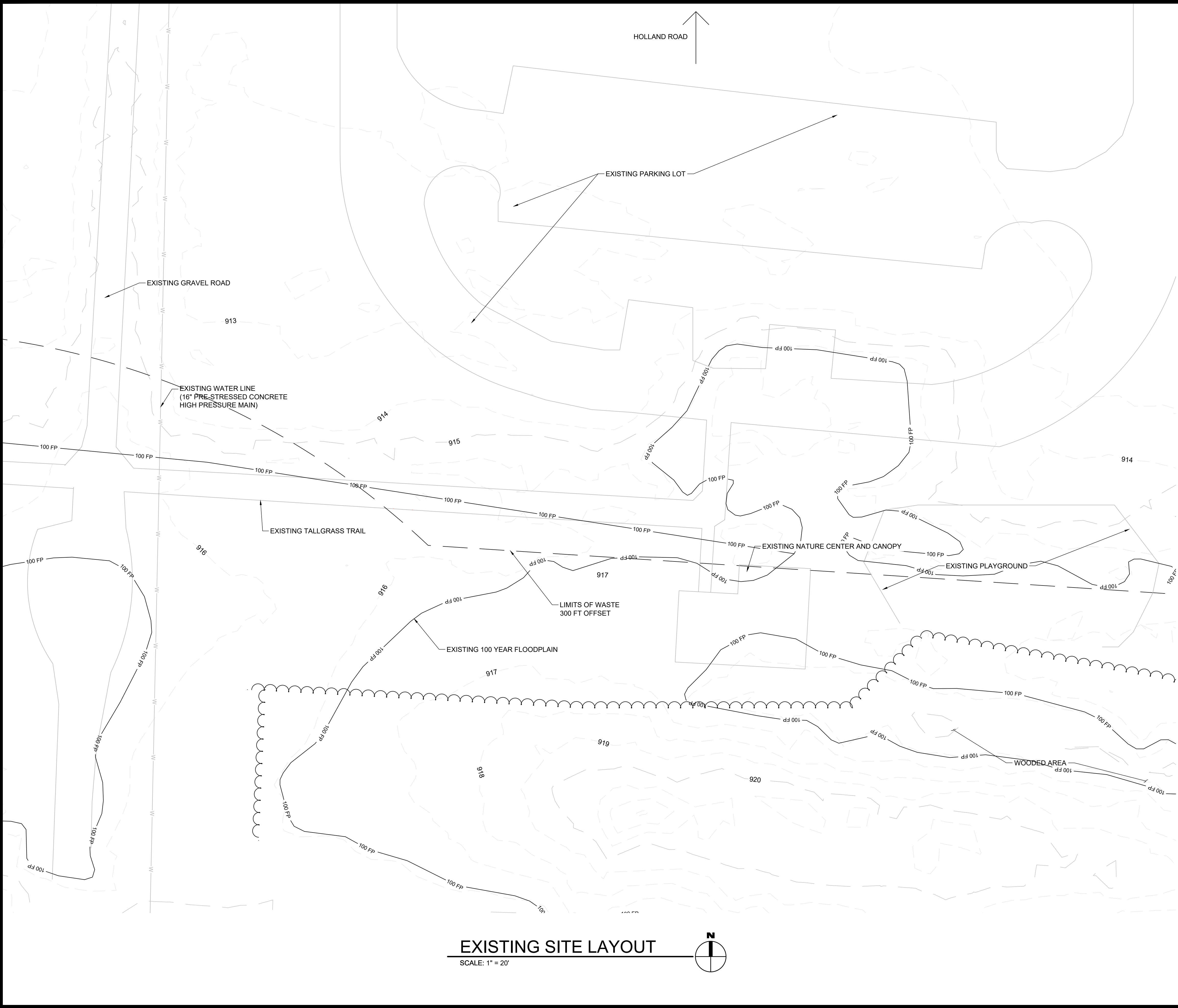
MARION COUNTY PARK DISTRICT
TALLGRASS MAINTENANCE BUILDING
MARION, OHIO
OCTOBER 2026



Sheet List Table	
Sheet Number	Sheet Title
G1	TITLE SHEET
C1	EXISTING SITE PLAN
C2	PROPOSED SITE PLAN
C3	SEDIMENT AND EROSION CONTROL NOTES
C4	SEDIMENT AND EROSION CONTROL DETAILS
S1	MAINTENANCE STORAGE PLAN AND DETAILS
S2	MAINTENANCE STORAGE DETAILS
E1	ELECTRICAL PLANS
E2	ELECTRICAL SPECIFICATIONS AND DIAGRAM



P:\PR59663\Cadd\Sheets\Pole Barn\C1 EXISTING SITE PLAN.dwg 9/23/2026 11:02:41 AM Megan Bowman PLOTTED: 10/9/2026 2:01:18 PM



GENERAL NOTES:

VERTICAL CONTROL. ELEVATIONS SHOWN ARE BASED ON OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM (OGRIP). LIDAR DATA DOWNLOAD FROM THE OGRIPS WEBSITE IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.

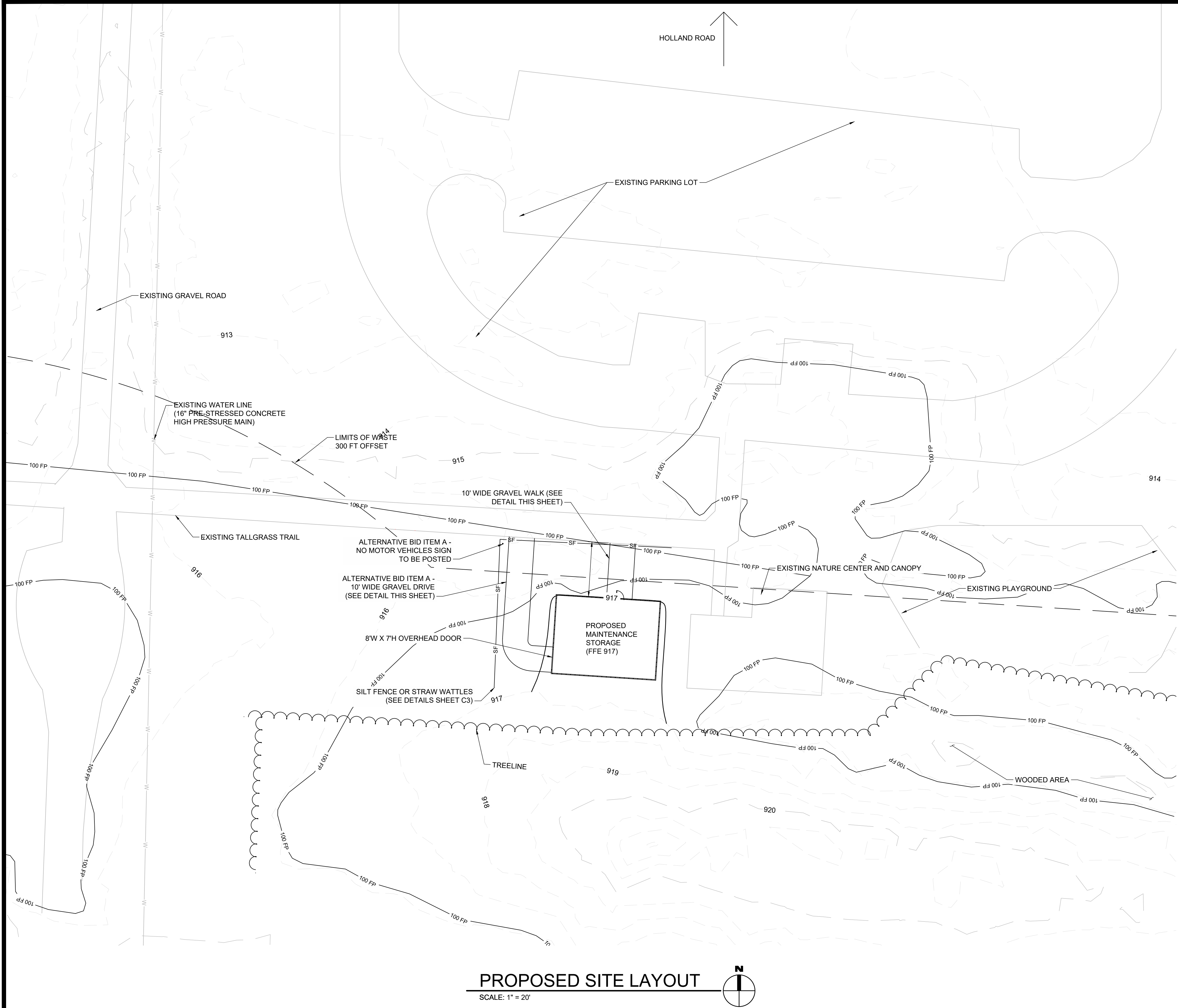
HORIZONTAL CONTROL. HORIZONTAL CONTROL IS BASED ON OHIO STATE PLANE COORDINATE SYSTEM. STATE PLANE GRID SOUTH NAD83(2011), OHIO NORTH ZONE 3402

EXISTING UTILITIES AND STRUCTURES. THE LOCATIONS OF UTILITIES AND STRUCTURES SHOWN ON THE PLANS WERE IDENTIFIED FROM HISTORICAL PLANS AND ARE NOT NECESSARILY COMPLETE OR CORRECT. THE LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL UTILITIES, SERVICES, STRUCTURES, & APPURTENANCES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

UTILITY COMPANY NOTIFICATION. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 2 WORKING DAYS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND AND/OR OVERHEAD LINES. CONTACT OHIO UTILITIES PROTECTION SERVICE, 1-800-362-2764. NONMEMBER UTILITIES MUST BE CONTACTED.

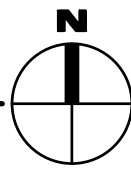
NO.	DESCRIPTION	DATE

JOB NO:	PR59663
DATE:	OCT 2026
DESIGNED BY:	MLB
DRAWN BY:	MLB
CHECKED BY:	BWT
APPROVED BY:	BWT
SCALE:	NONE
EXISTING SITE PLAN	



PROPOSED SITE LAYOUT

SCALE: 1" = 20'



GENERAL NOTES:

VERTICAL CONTROL. ELEVATIONS SHOWN ARE BASED ON OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM (OGrip). LIDAR DATA DOWNLOAD FROM THE OGripS WEBSITE IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.

HORIZONTAL CONTROL. HORIZONTAL CONTROL IS BASED ON OHIO STATE PLANE COORDINATE SYSTEM. STATE PLANE GRID SOUTH NAD83(2011), OHIO NORTH ZONE 3402

EXISTING UTILITIES AND STRUCTURES. THE LOCATIONS OF UTILITIES AND STRUCTURES SHOWN ON THE PLANS WERE IDENTIFIED FROM HISTORICAL PLANS AND ARE NOT NECESSARILY COMPLETE OR CORRECT. THE LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL UTILITIES, SERVICES, STRUCTURES, & APPURTENANCES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

UTILITY COMPANY NOTIFICATION. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 2 WORKING DAYS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND AND/OR OVERHEAD LINES. CONTACT OHIO UTILITIES PROTECTION SERVICE, 1-800-362-2764. NONMEMBER UTILITIES MUST BE CONTACTED.

FINISH GRADING AND SEEDING: ALL AREAS THAT ARE DISTURBED OR DAMAGED DURING CONSTRUCTION THAT ARE NOT TO BE PAVED OR OTHERWISE COVERED, SHALL BE BROUGHT TO FINISH GRADE AS SHOWN, AND SEEDED ACCORDING TO ODOT ITEM 659 CLASS 2 SEED MIX

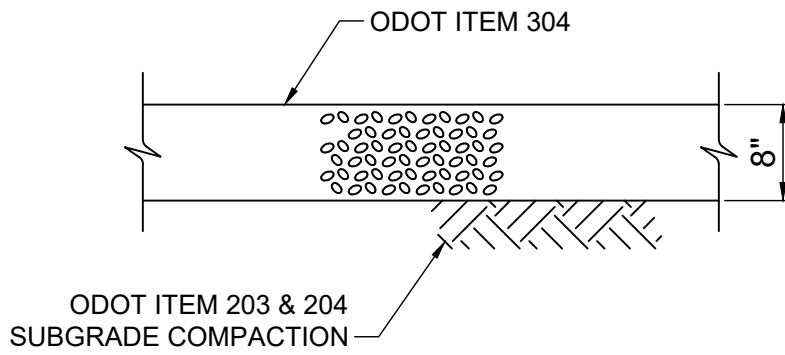
FLOODPLAIN. FEMA LITTLE SCIOTO RIVER 100 YEAR FLOODPLAIN ZONE AE AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP (FIRM). COMMUNITY PANEL NUMBER 39101C0210E, EFFECTIVE DATE 12/21/2023. THE BASE FLOOD ELEVATION AT THIS SITE IS ESTABLISHED AT 916 FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.

SIGN DETAILS

SCALE: NONE

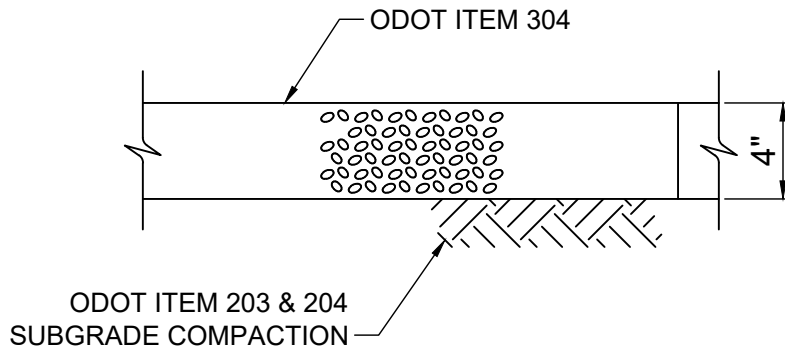
NOTES:

- SQUARE STEEL POST POST DRIVEN INTO GROUND. PERFORATED SQUARE STEEL SIGN POST AND ANCHOR. 2-INCH SQUARE SIGN POST, GALVANIZED STEEL. PRE-PUNCHED 7/16" MOUNT HOLES, 1" CENTER TO CENTER. POST AND ANCHOR BY ZUMAR, OR APPROVED EQUAL.
- SIGN INSTALLATION HEIGHT SHALL BE 5' TO BOTTOM OF SIGN.



ALTERNATE: GRAVEL DRIVE

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



GRAVEL WALKWAY

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

330 RUSH ALLEY
SUITE 700
COLUMBUS, OH 43215

B&N
burgessniple.com

MARION COUNTY PARK DISTRICT
TALLGRASS MAINTENANCE BUILDING
MARION, OHIO
OCTOBER 2026

NO.	DESCRIPTION	DATE

JOB NO:	PR59663
DATE:	OCT 2026
DESIGNED BY:	MLB
DRAWN BY:	MLB
CHECKED BY:	BWT
APPROVED BY:	BWT
SCALE:	NONE

PROPOSED SITE
PLAN

C2

SHEET: OF

P:\PR59663\Cadd\Sheets\Pole Barn\C3 SEDIMENT AND EROSION CONTROL NOTES.dwg 9/23/2026 12:06:44 PM Megan Bowman PLOTTED: 10/9/2026 2:01:29 PM

1.0 INTRODUCTION

THIS STORM WATER POLLUTION PREVENTION PLAN (SWP3) HAS BEEN PREPARED TO COMPLY WITH OHIO EPA CONSTRUCTION GENERAL STORM WATER PERMIT OHCO00005. A COPY OF THE NOTICE OF TERMINATION (NOT) MUST BE SUBMITTED TO THE OHIO EPA WITHIN 45 DAYS OF COMPLETING ALL LAND DISTURBANCE ACTIVITIES. THE PURPOSE OF THE SWP3 IS TO IDENTIFY THE POTENTIAL SOURCES OF STORM WATER POLLUTION FROM THE PROJECT AND ESTABLISH MEASURES AND PROCEDURES FOR PREVENTING STORM WATER POLLUTION.

ACTIVITIES DURING THE PROJECT WILL INCLUDE CLEARING, GRADING, EXCAVATING, GRUBBING, AND / OR FILLING ACTIVITIES WHICH WILL RESULT IN THE DISTURBANCE OF MORE THAN ONE ACRE OF LAND AREA. ALL REQUIRED PREVENTATIVE MEASURES TO PROVIDE EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT WILL BE UTILIZED THROUGHOUT THE PROJECT.

THE SWP3 ADDENDUM CONTAINS THE CERTIFICATION STATEMENT FOR THE SWP3 AND THE ACKNOWLEDGMENT FORM FOR RECORDING THE SIGNATURES OF ALL CONTRACTORS AND SUBCONTRACTORS, ACKNOWLEDGING THAT THEY HAVE REVIEWED AND UNDERSTAND THE CONDITIONS AND RESPONSIBILITIES OF THE SWP3.

THE IMPLEMENTATION OF SOIL AND EROSION CONTROL SHALL CONFORM TO THE REQUIREMENT OF OHIO EPA PERMIT # OHCO00005.

2.0 PLAN REVISION AND AMENDMENT

2.1 PLAN REVISION

THE SWP3 WILL BE AMENDED BY THE CONTRACTOR WITHIN 10 DAYS AFTER NOTIFICATION FROM THE OHIO EPA THAT THE SWP3 DOES NOT MEET ONE OR MORE OF THE MINIMUM REQUIREMENTS OF THE GENERAL PERMIT. IF REQUESTED, THE REVISED SWP3 OR A WRITTEN CERTIFICATION THAT THE REQUESTED CHANGES HAVE BEEN MADE WILL BE SUBMITTED TO THE OHIO EPA.

2.2 PLAN AMENDMENT

THE CONTRACTOR SHALL MODIFY/COMPLETE THIS SWPPP TO REFLECT THE PLANNED MEASURES AND LOCATIONS OF PRACTICES. THE SWP3 WILL BE AMENDED BY THE CONTRACTOR WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OF THE STATE OR IF THE SWP3 PROVES TO BE INEFFECTIVE IN ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. A PLAN AMENDMENT LOG IS PROVIDED IN SECTION G OF THE SWP3 ADDENDUM.

3.0 SITE DESCRIPTION

3.1 SITE DESCRIPTION/CONSTRUCTION ACTIVITY

THE PROJECT IS LOCATED IN MARION, OHIO. THE PROJECT INVOLVES CONSTRUCTION OF A MAINTENANCE STORAGE BUILDING.

THE AREA WHERE SOIL WILL BE DISTURBED IS CURRENTLY FARMLAND. THE SOIL DISTURBING ACTIVITIES WILL INCLUDE EXCAVATION AND GRADING FOR THE CONSTRUCTION OF THE SUBSTATION PADS. STOCKPILES AND STAGING AREAS WILL ALSO BE NECESSARY. DISTURBED SURFACE AREAS WILL BE STABILIZED AT THE COMPLETION OF THE PROJECT. A "GRADING AND STABILIZATION LOG" WILL BE MAINTAINED TO DOCUMENT THE GRADING AND STABILIZATION ACTIVITIES WHICH OCCUR AFTER CONSTRUCTION ACTIVITIES COMMENCE.

3.2 SOIL DATA

THE PRINCIPAL SOIL TYPES MAPPED IN THE PROJECT AREA ARE AqUXA.

3.3 PRIOR LAND USES

THE AREA THAT WILL BE DISTURBED IS CURRENTLY PARK LAND.

3.4 IMPLEMENTATION SCHEDULE

EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO SOIL DISTURBING ACTIVITIES. THE CONTRACTOR WILL MONITOR REGIONAL WEATHER FORECASTS AND DIRECT INSTALLATION OF COVERINGS OR OTHER STABILIZATION METHODS WHEN A 24-HOUR RAINFALL EVENT IS EXPECTED TO EXCEED 1/2 INCH.

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 2 DAYS OF THE LAST DISTURBANCE IF THE AREA IS WITHIN 50 FEET OF A STREAM, AND WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS MORE THAN 50 FEET AWAY FROM A STREAM. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH.

4.0 CONTROL MEASURES

- THE DESIGN OF EROSION CONTROL SYSTEMS SHALL FOLLOW THE REQUIREMENTS OF OHIO EPA. THE CONTRACTOR SHALL BE CONSIDERED THE DEVELOPER OF THE STORMWATER DISCHARGE.
- THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE WATER LEAVES THE PROJECT, INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM SEWERS, WHETHER SPECIFICALLY SHOWN ON THE PLANS OR NOT. ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED.
- ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT FILTERS, SILT FILTER FENCE, FILTER SOCKS, SEDIMENT BASIN, ROCK CHECK DAMS, AND TEMPORARY GROUND COVER. THE USE OF STRAW BALES IS PROHIBITED.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE WORK AREA AT ALL TIMES CONSISTENT WITH EROSION CONTROL PRACTICES.
- DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR 14 DAYS OR MORE SHALL BE SEEDED WITHIN 7 CALENDAR DAYS OF THE LAST DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.
- STABILIZATION PRACTICES:

TEMPORARY STABILIZATION - TOP SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 14 DAYS WILL BE STABILIZED WITH TEMPORARY SEED AND MULCH NO LATER THAN 7 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED SHALL BE APPLIED AS PER THE TEMPORARY SEEDING SPECIFICATIONS. AREAS OF THE SITE WHICH ARE TO BE PAVED WILL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE.

PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OR WITHIN 2 DAYS FOR AREAS WITHIN

50 FEET OF A STREAM.

STABILIZATION TYPE	J	F	M	A	M	J	J	A	S	O	N	D
PERMANENT SEEDING			●	●	●	*	*	*	●	●		
DDRMANT SEEDING	●	●									●	●
TEMPORARY SEEDING			●	●	●	*	*	*	●	●		
SODDING			**	**	**	**	**	**	**	**		
MULCHING	●	●	●	●	●	●	●	●	●	●	●	●

* - IRRIGATION NEEDED
** - IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SOD IS APPLIED

- ALL DENUDED AREAS, INCLUDING STOCKPILED TOPSOIL AND EXCAVATED MATERIAL, ARE TO BE PROTECTED THROUGH THE USE OF TEMPORARY SEEDING, OR COVERED WITH ANCHORED STRAW MULCH.
- FINAL GRADING WILL BE CONSISTENT WITH PRECONSTRUCTION TOPOGRAPHY TO MAINTAIN DRAINAGE AND AESTHETICS.
- REMOVE ONLY THE TREES, SHRUBS, AND GRASSES THAT MUST BE REMOVED TO PERMIT ACTUAL CONSTRUCTION. PROTECT THE REMAINING TO PRESERVE THEIR AESTHETIC AND EROSION CONTROL VALUE.
- BACKFILL TRENCHES IMMEDIATELY AFTER USE. SEED AND MULCH TRENCH AREA WITHIN 7 DAYS AFTER AREA OR SECTION HAS BEEN OPENED.
- SETTLING FACILITIES, SEDIMENT FILTERS, PERIMETER CONTROLS- AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING OR CONSTRUCTION AND WITHIN 7 DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.
- STORM SEWER INLET PROTECTION - THERE ARE NO STORM SEWERS IN THE AREA.
- WORKING IN OR CROSSING STREAMS - STREAMS INCLUDING BED AND BANKS SHALL BE RESTABILIZED IMMEDIATELY AFTER IN-CHANNEL WORK IS COMPLETED, INTERRUPTED, OR STOPPED. TO THE EXTENT PRACTICABLE, CONSTRUCTION VEHICLES SHALL BE KEPT OUT OF STREAMS. WHERE IN-CHANNEL WORK IS NECESSARY, PRECAUTIONS SHALL BE TAKEN TO STABILIZE THE WORK AREA DURING CONSTRUCTION TO MINIMIZE EROSION. WHERE A STREAM MUST BE CROSSED BY CONSTRUCTION VEHICLES REGULARLY DURING CONSTRUCTION, A TEMPORARY CULVERT SHALL BE PROVIDED.
- CONSTRUCTION ACCESS ROUTES - MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, OR ONTO PUBLIC ROADS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFF-SITE TRACKING OF SEDIMENTS BY VEHICLES AND EQUIPMENT IS ELIMINATED. SEE STABILIZED CONSTRUCTION ENTRANCE DETAIL. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEEP DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPULIN.
- SLOUGHING AND DUMPING - NO SOIL, ROCK, DEBRIS, OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP, OR ERODE INTO A WATER RESOURCE UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE OWNER. UNSTABLE SOILS PRONE TO SLIPPING OR LANDSLIDING SHALL NOT BE GRADED, EXCAVATED, FILLED, OR HAVE LOADS IMPOSED UPON THEM UNLESS THE WORK IS DONE IN ACCORDANCE WITH A QUALIFIED PROFESSIONAL ENGINEER'S RECOMMENDATIONS TO CORRECT, ELIMINATE, OR ADEQUATELY ADDRESS THE PROBLEMS.
- MAINTENANCE AND INSPECTION - ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DESIGNED AND CONSTRUCTED TO MINIMIZE MAINTENANCE REQUIREMENTS. THEY SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ENSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. MAINTENANCE AND INSPECTION OF ALL EROSION/SEDIMENT CONTROL DEVICES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. INSPECTIONS SHALL BE PERFORMED BY THE CONTRACTOR, ONCE EVERY 7 CALENDAR DAYS AND/OR WITHIN 24 HOURS AFTER A RAIN EVENT OF GREATER THAN 0.5 INCHES IN A 24-HOUR PERIOD. THESE INSPECTIONS SHALL IDENTIFY AREAS CONTRIBUTING TO STORMWATER DISCHARGES ASSOCIATED WITH THE PROJECT; EVALUATE THE ADEQUACY, IMPLEMENTATION, AND MAINTENANCE OF EXISTING AND PROPOSED EROSION/SEDIMENTATION MEASURES; AND DETERMINE WHETHER ADDITIONAL MEASURES ARE REQUIRED. ACCEPTABLE INSPECTION REPORTS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER WITHIN 48 HOURS OF INSPECTION COMPLETION. THE REPORT SHALL CONTAIN THE RESULTS OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN, A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE PLAN, AND IDENTIFYING ANY INCIDENTS OF NONCOMPLIANCE. KEEP RECORDS FOR 3 YEARS AFTER COMPLETION OF PROJECT.
- IF AN INSPECTION REVEALS THAT A CONTROL PRACTICE IS IN NEED OF REPAIR OR MAINTENANCE IT SHALL BE REPAIRED OR MAINTAINED WITHIN 3 DAYS OF THE INSPECTION.
- IF AN INSPECTION REVEALS THAT A CONTROL PRACTICE FAILS TO PERFORM ITS INTENDED FUNCTION AND THAT ANOTHER, MORE APPROPRIATE CONTROL PRACTICE IS REQUIRED, THE NEW CONTROL PRACTICE SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
- IF AN INSPECTION REVEALS THAT A CONTROL PRACTICE HAS NOT BEEN IMPLEMENTED IN ACCORDANCE WITH THE SCHEDULE CONTAINED IN PART III.D OF THE PERMIT, THE CONTROL PRACTICE SHALL BE IMPLEMENTED WITHIN 10 DAYS FROM THE DATE OF THE INSPECTION. IF THE INSPECTION REVEALS THAT THE PLANNED CONTROL PRACTICE IS NOT NEEDED, THE RECORD SHALL CONTAIN A STATEMENT OF EXPLANATION AS TO WHY THE CONTROL PRACTICE IS NOT NEEDED.
- THE INSPECTION FREQUENCY MAY BE REDUCED TO ONCE PER MONTH FOR DORMANT SITES IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR EXTENDED PERIODS OF TIME (E.G., SITE IS COVERED WITH SNOW, ICE, OR THE GROUND IS FROZEN).
- OUTFLOWS FROM DEWATERING OPERATIONS - ALL WATER PRODUCED FROM CLEANING AND DEWATERING OPERATIONS, WHETHER SPECIFICALLY FROM TRENCH DEWATERING OPERATIONS OR FROM MORE EXTENSIVE DEWATERING OPERATIONS, SHALL BE DISCHARGED IN SUCH A MANNER AS TO ELIMINATE EROSION FROM SUCH DISCHARGE.
- DEWATERING ACTIVITIES - THERE SHALL BE NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES. SEDIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE, PRIOR TO DISCHARGE.
- PROCESS WASTEWATER - ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.
- ADDITIONAL CONTROLS - THE CONTRACTOR SHALL ENSURE THAT NO SEDIMENTS ARE TRACKED

OFF-SITE BY CONSTRUCTION EQUIPMENT, VEHICLES, AND WORKERS. THE CONTRACTOR SHALL ALSO ENSURE THAT NO SOLID OR LIQUID WASTE IS DISCHARGED INTO ANY STORMWATER FLOW.

- WASTE DISPOSAL - ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER RENTED FROM A LICENSED SOLID WASTE MANAGEMENT COMPANY. THE DUMPSTER WILL MEET ALL LOCAL, AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE PER WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED OFF-SITE. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ONSITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE CONTRACTOR'S FIELD OFFICE. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&D) WASTE WILL BE DISPOSED OF IN AN OHIO EPA APPROVED C&D LANDFILL AS REQUIRED BY ORC 3714.
- HAZARDOUS WASTE - ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES. THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.
- SANITARY WASTE - ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION.
- TEMPORARY EROSION AND SEDIMENT CONTROL PLAN AVAILABILITY AND UPDATES - THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENSURE THE IMMEDIATE AVAILABILITY OF THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN ON-SITE. THE CONTRACTOR SHALL ALSO BE SOLELY RESPONSIBLE TO PERFORM ALL UPDATES AND ADJUSTMENTS TO THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN.
- SWP3 AVAILABILITY AND UPDATES - SEE INTRODUCTION SECTION, THIS SHEET.
- PERMANENT VEGETATION- SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE APPROVING AGENCY, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY & TO SURVIVE ADVERSE WEATHER CONDITIONS.
- CONCRETE WASHOUT - IF CONCRETE IS NEEDED AT THE SITE, A DESIGNATED TEMPORARY ABOVE-GRADE CONCRETE WASHOUT AREA SHALL BE CONSTRUCTED. SIGNS SHALL BE POSTED MARKING THE LOCATION OF THE WASHOUT AREA TO ENSURE THAT CONCRETE EQUIPMENT OPERATORS USE THE PROPER FACILITY. CONCRETE POURS WILL NOT BE CONDUCTED DURING OR BEFORE AN ANTICIPATED STORM EVENT. CONCRETE MIXER TRUCKS AND CHUTES WILL BE WASHED IN THE DESIGNATED AREA OR CONCRETE WASTES WILL BE PROPERLY DISPOSED OF OFF-SITE. WHEN THE TEMPORARY WASHOUT AREA IS NO LONGER NEEDED FOR THE CONSTRUCTION PROJECT, THE HARDENED CONCRETE AND MATERIALS USED TO CONSTRUCT THE AREA WILL BE REMOVED AND DISPOSED OF OFF-SITE.
- RECORD KEEPING - THE FOLLOWING IS A LIST OF RECORDS THAT WILL NEED TO BE KEPT AT THE PROJECT SITE AND MADE AVAILABLE FOR INSPECTORS TO REVIEW:
 - DATES OF GRADING, CONSTRUCTION ACTIVITY, AND STABILIZATION
 - INSPECTION REPORTS (KEEP RECORDS FOR 3 YEARS AFTER COMPLETION OF PROJECT)
- SPILL PREVENTION:
 - MATERIAL MANAGEMENT PRACTICES: THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF.
 - GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.
 - AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
 - ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
 - PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
 - SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
 - WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
 - MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
 - THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.
 - HAZARDOUS PRODUCTS: THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.
 - PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
 - ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
 - IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.
- PRODUCT SPECIFIC PRACTICES:

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

 - PETROLEUM PRODUCTS - ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING

TO THE MANUFACTURER'S RECOMMENDATIONS.

- FUEL STORAGE TANKS - SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIKED AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.
- FERTILIZERS - FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
- PAINTS - ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

5.0 PROHIBITED CONSTRUCTION ACTIVITIES

THE CONTRACTOR SHALL NOT USE CONSTRUCTION PROCEDURES, ACTIVITIES, OR OPERATIONS THAT MAY UNNECESSARILY IMPACT THE NATURAL ENVIRONMENTAL OR THE PUBLIC HEALTH AND SAFETY. PROHIBITED CONSTRUCTION PROCEDURES, ACTIVITIES, OR OPERATIONS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

- DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOOD PLAINS, EVEN WITH THE PERMISSION OF THE PROPERTY OWNER.
- INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR OUTSIDE THE PROPERTY LIMITS.
- PUMPING OF SEDIMENT LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS INTO ANY SURFACE WATERS, ANY STREAM CORRIDORS, ANY WETLANDS, OR STORM DRAINS.
- DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS, SOAPS, BITUMINOUS MATERIALS, RAW SEWAGE, CONCRETE WASHWATER, AND/OR ANY OTHER HARMFUL WASTE, INTO OR ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS, OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO.
- PERMANENT OR UNSPECIFIED ALTERATION OF THE FLOWLINE OF A STREAM.
- DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.
- DISPOSAL OF TREES, BRUSH, AND OTHER DEBRIS IN ANY STREAM CORRIDORS, WETLANDS, OR SURFACE WATERS.
- OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT.
- STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR STOCKPILING CONSTRUCTION MATERIALS ON PROPERTY (PUBLIC OR PRIVATE) NOT PREVIOUSLY SPECIFIED BY THE OWNER FOR SAID PURPOSES.

SPILL AND SPILL REPORTING:

SMALL SPILLS (LESS THAN 25 GALLONS) SHALL BE IMMEDIATELY CLEANED UP USING ABSORBENT OR BY CONTAINERIZING THE SPILL AND IMPACTED SOIL. DISPOSE OF THE WASTE AT A SANITARY LANDFILL.

SPILLS OF 25 GALLONS OR MORE OF PETROLEUM MUST BE REPORTED TO THE FOLLOWING AGENCIES WITHIN 30 MINUTES OF DISCOVERY OF THE RELEASE OR SPILL:

- OHIO EPA AT 1-800-282-9378
- LOCAL FIRE DEPARTMENT (911)
- NATIONAL RESPONSE CENTER 800-424-8802
- LOCAL EMERGENCY PLANNING COORDINATOR FOR MARION COUNTY

DESCRIPTION	INSERT SITE
TOTAL AREA OF PROPERTY	<u>9.788</u> ACRES
ESTIMATED TOTAL AREA OF DISTURBANCE	<u>0.08</u> ACRES
RUNOFF COEFFICIENT	<u>0.16</u> <u>0.16</u>
IMPERVIOUS AREA	<u>0.10</u> ACRES <u>0.18</u> ACRES
LATITUDE	<u>-83.185594</u>
LONGITUDE	<u>MARION WEST</u>
USGS 7.5 MINUTE QUADRANGLE	<u>LITTLE SCIOTO RIVER</u>
IMMEDIATE RECEIVING WATERS	<u>SCIOTO RIVER</u>
SUBSEQUENT RECEIVING WATERS	
ESTIMATED CONSTRUCTION START DATE	OCTOBER 2026
ESTIMATED CONSTRUCTION COMPLETION DATE	NOVEMBER 2026
CONSTRUCTION SITE CONTACT	TBD
CONTACT INFORMATION	TBD
PERSON RESPONSIBLE FOR SWP3 AUTHORIZATION AND AMENDMENT	N/A
CONTACT INFORMATION	TBD
CONSTRUCTION SITE OPERATORS	TBD
CONTACT INFORMATION	TBD

330 RUSH ALLEY
SUITE 700
COLUMBUS, OH 43215

B&N
burgessniple.com

MARION COUNTY PARK DISTRICT
TALLGRASS MAINTENANCE BUILDING
MARION, OHIO
OCTOBER 2026

NO.	DESCRIPTION	DATE

JOB NO: PR59663

DATE: OCT 2026

DESIGNED BY: MLB

DRAWN BY: MLB

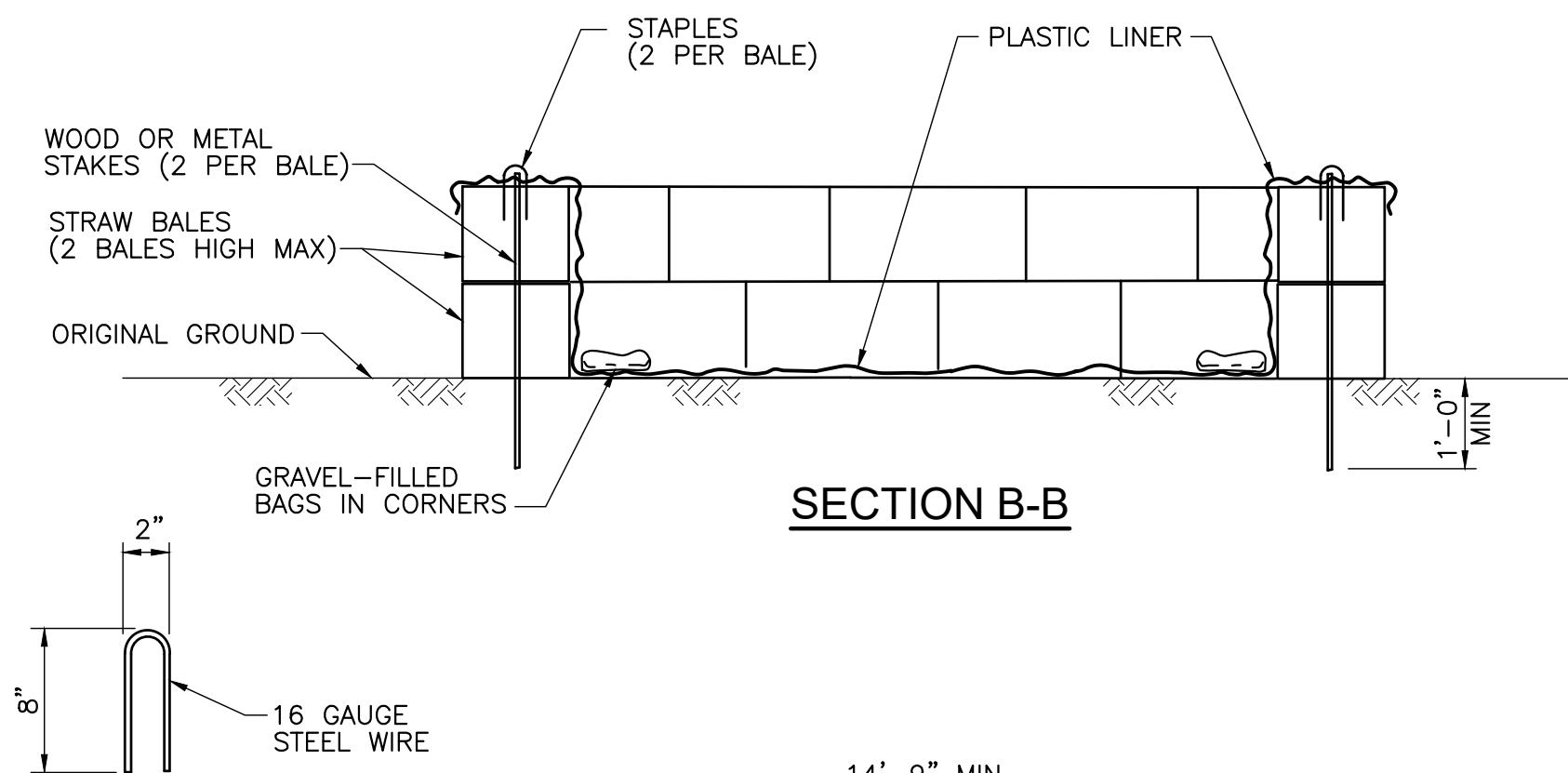
CHECKED BY: BWT

APPROVED BY: BWT

SCALE: NONE

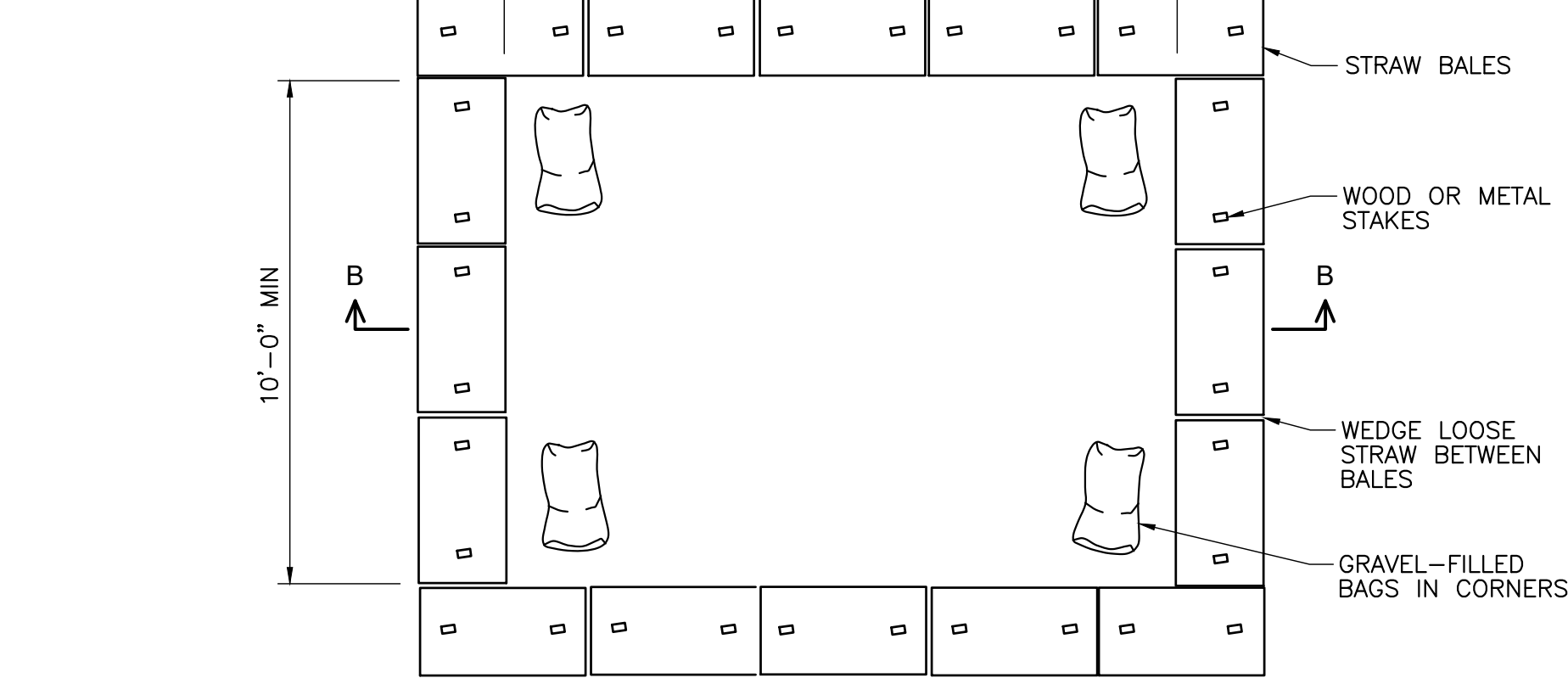
SEDIMENT AND
EROSION CONTROL
PLAN

C3
SHEET: OF



SECTION B-B

STAPLE DETAIL

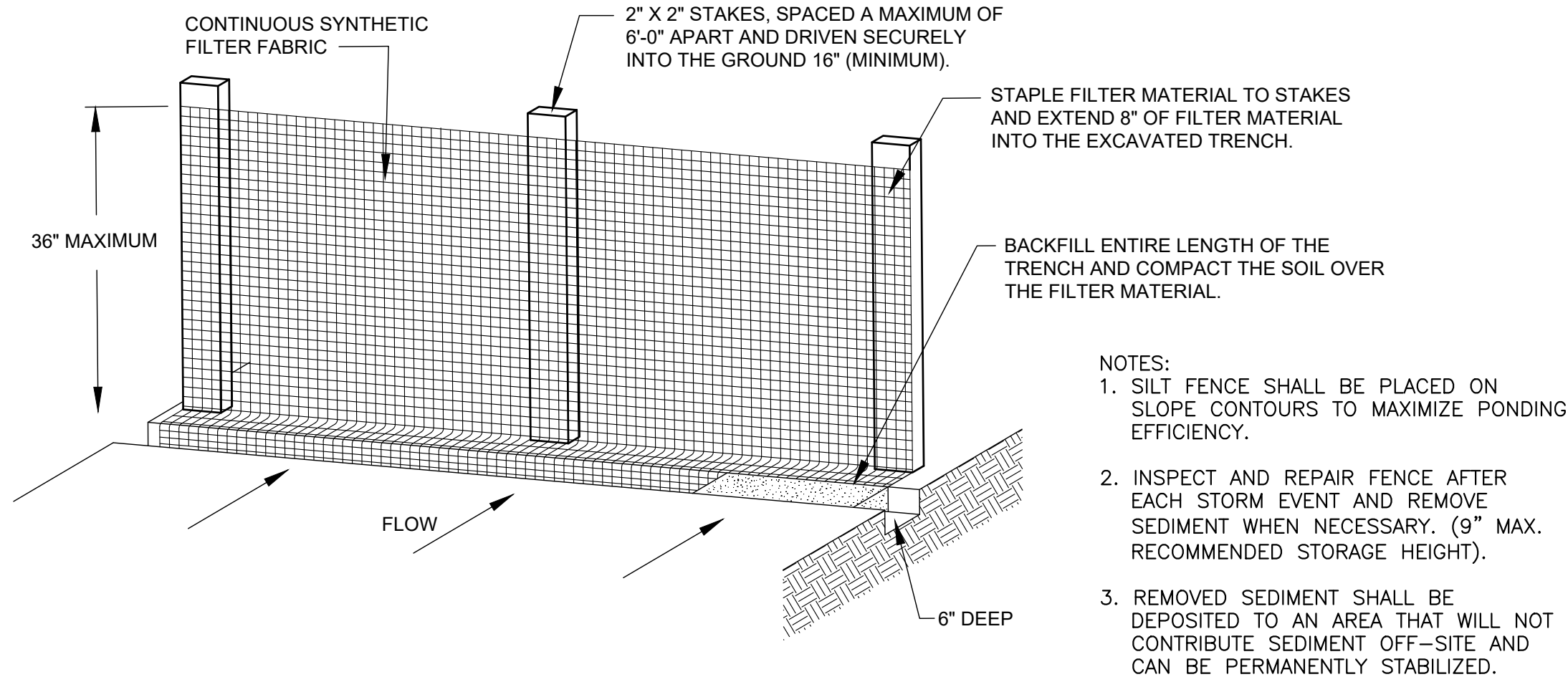


PLAN

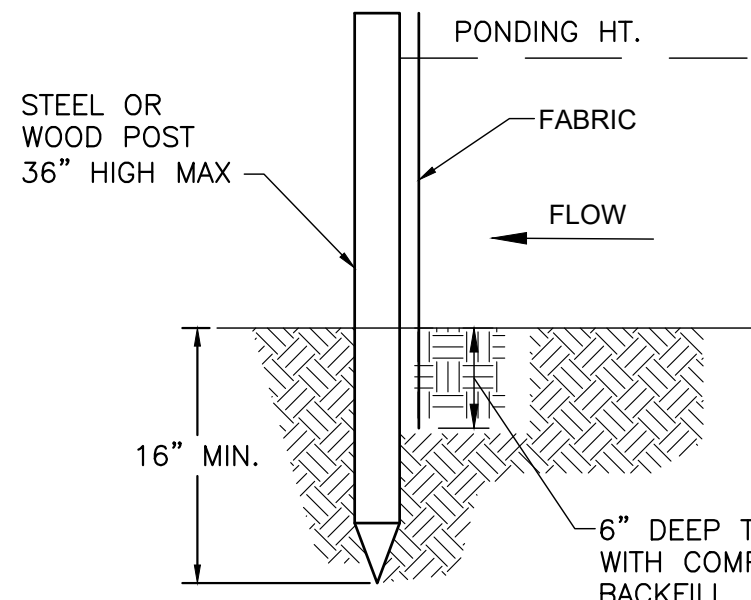
EXAMPLE OF TEMPORARY CONCRETE
WASHOUT FACILITY (ABOVE GRADE)

SPECIFICATIONS FOR SEEDING & MULCHING			
SEED TYPE	SEEDING DATES	PER 1000 SQ. FT.	PER ACRE
TALL FESCUE & ANNUAL RYEGRASS	MARCH 1 TO SEPTEMBER 15	2 POUND & 1/2 POUND	80 POUND & 20 POUND
SMALL GRAIN, STRAW		100 POUNDS OR 2 OR 3 BALES	2 TONS OR 50 BALES
FERTILIZER		25 POUNDS OF 12-12-12 OR THE EQUIVALENT	100 POUNDS OF 12-12-12 OR THE EQUIVALENT
TEMPORARY SEEDING			
RYE OR WHEAT	SEPTEMBER 15 TO OCTOBER 30	3 POUNDS	2 BUSHELS
SOIL PROTECTION			
SMALL GRAIN, STRAW MULCH	OCTOBER 30 TO MARCH 1	2 TO 3 BALES	2 TONS

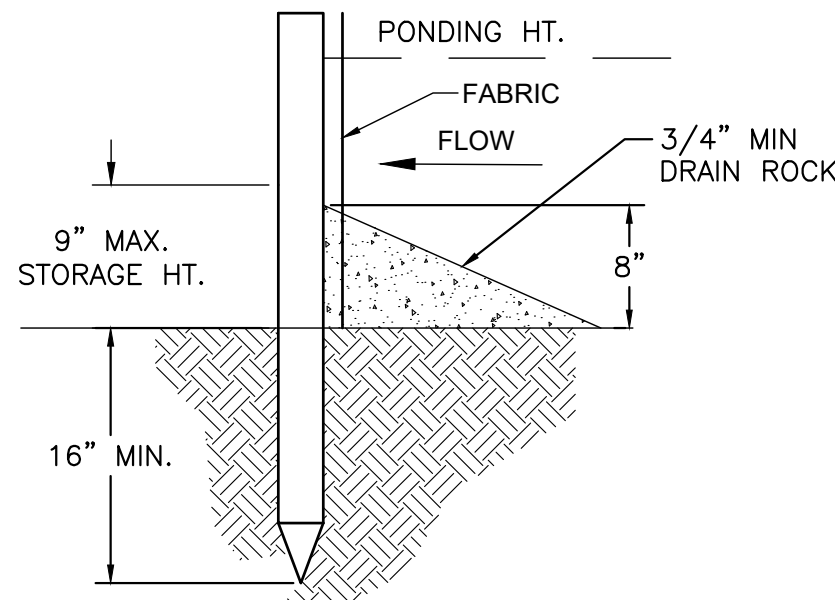
THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER FOR EROSION AND SILTATION CONTROL MEASURES:			
207	PERIMETER FILTER FABRIC FENCE	60 L.F.	
207	INLET PROTECTION	10 EA.	



- NOTES:
1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
 2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. (9" MAX. RECOMMENDED STORAGE HEIGHT).
 3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

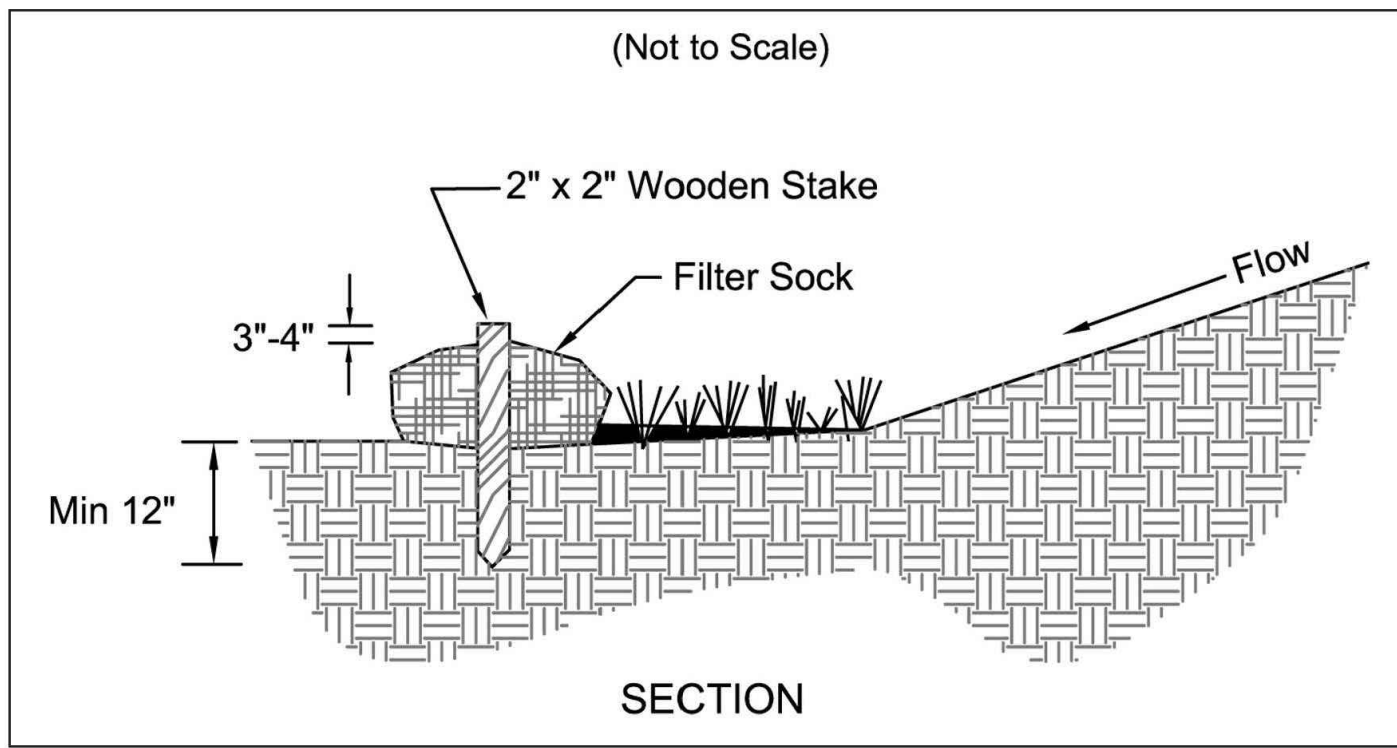


TRENCH DETAIL



INSTALLATION WITHOUT TRENCHING

FILTER FABRIC FENCE



SECTION

1. Materials – Compost used for filter socks shall be weed, pathogen and insect free and free of any refuse, contaminants or other materials toxic to plant growth. They shall be derived from a well-decomposed source of organic matter and consist of a particles ranging from 3/8" to 2".
2. Filter Socks shall be 3 or 5 mil continuous, tubular, HDPE 3/8" knitted mesh netting material, filled with compost passing the above specifications for compost products.
3. Filter socks will be placed on a level line across slopes, generally parallel to the base of the slope or other affected area. On slopes approaching 2:1, additional socks shall be provided at the top and as needed mid-slope.
4. Filter socks intended to be left as a permanent filter or part of the natural landscape, shall be seeded at the time of installation for establishment of permanent vegetation.
5. Filter Socks are not to be used in concentrated flow situations or in runoff channels.
6. Routinely inspect filter socks after each significant rain, maintaining filter socks in a functional condition at all times.
7. Remove sediments collected at the base of the filter socks when they reach 1/3 of the exposed height of the practice.
8. Where the filter sock deteriorates or fails, it will be repaired or replaced with a more effective alternative.
9. Removal – Filter socks will be dispersed on site when no longer required in such as way as to facilitate and not obstruct seedings.

INSTALLATION:

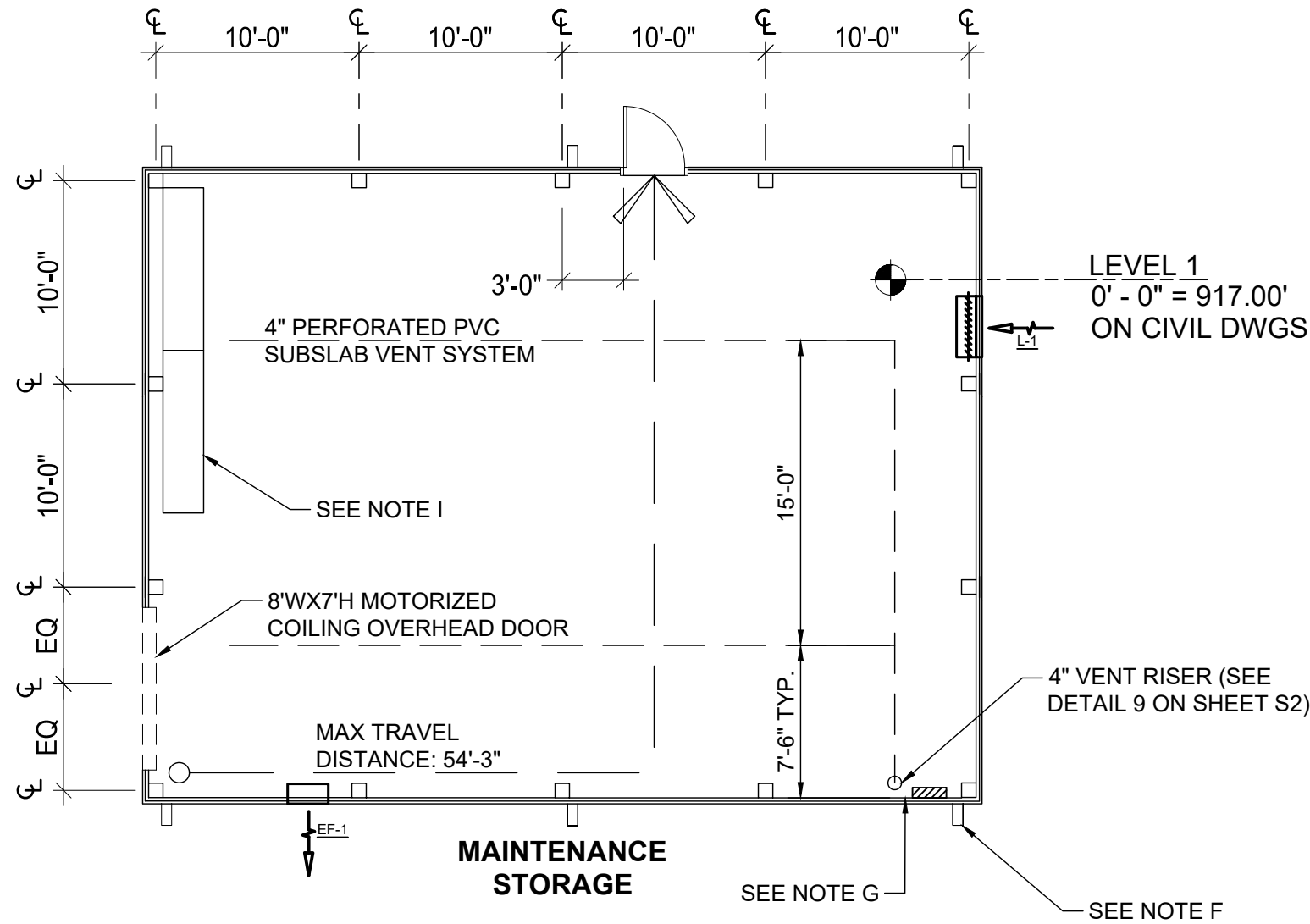
MAINTENANCE:

NO.	DESCRIPTION	DATE

JOB NO:	PR59663
DATE:	OCT 2026
DESIGNED BY:	MLB
DRAWN BY:	MLB
CHECKED BY:	BWT
APPROVED BY:	BWT
SCALE:	NONE

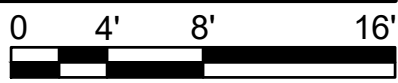
SEDIMENT AND
EROSION CONTROL
PLAN

P:\PR59663\Cadd\Sheets\Pole Barn\S1 MAINTENANCE STORAGE PLAN AND DETAILS.dwg 10/9/2026 1:39:41 PM Megan Bowman PLOTTED: 10/9/2026 2:01:37 PM



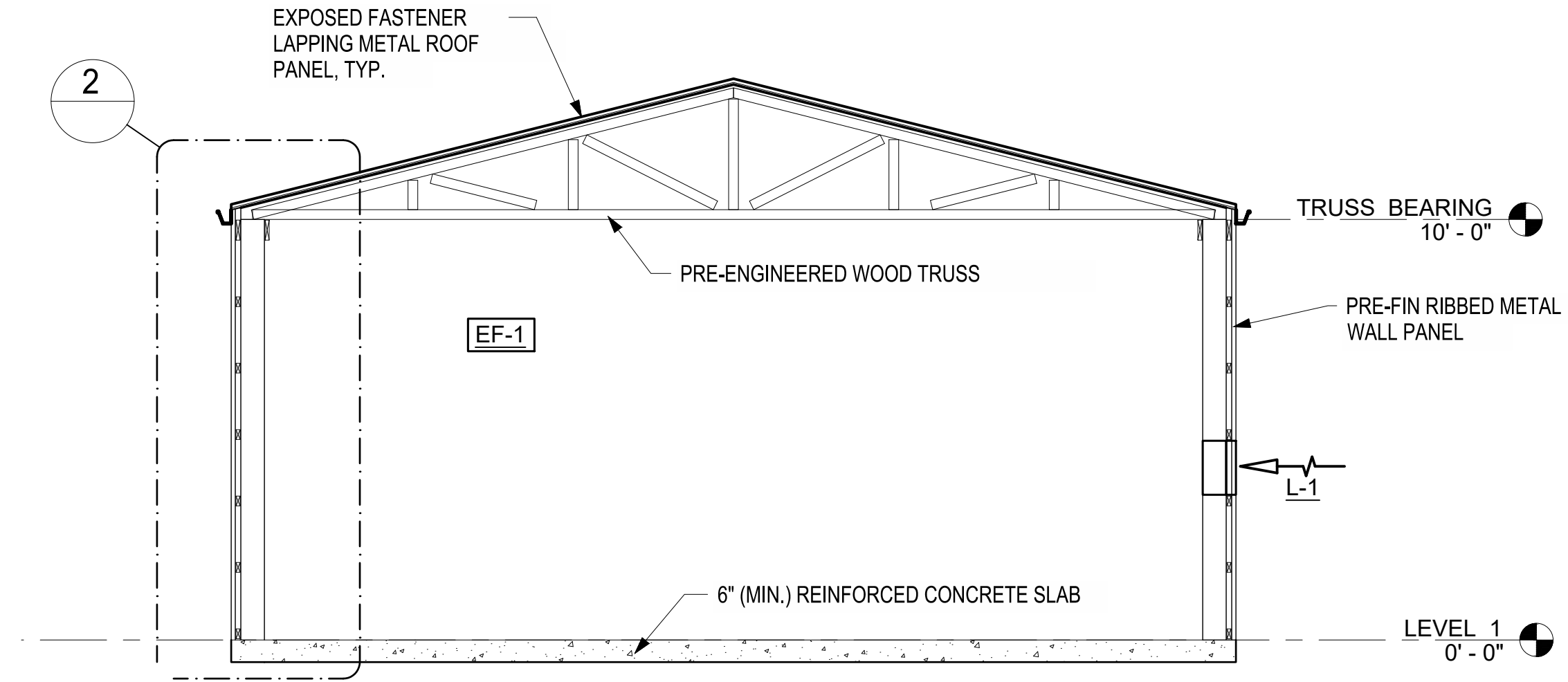
MAINTENANCE STORAGE PLAN

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



GENERAL NOTES

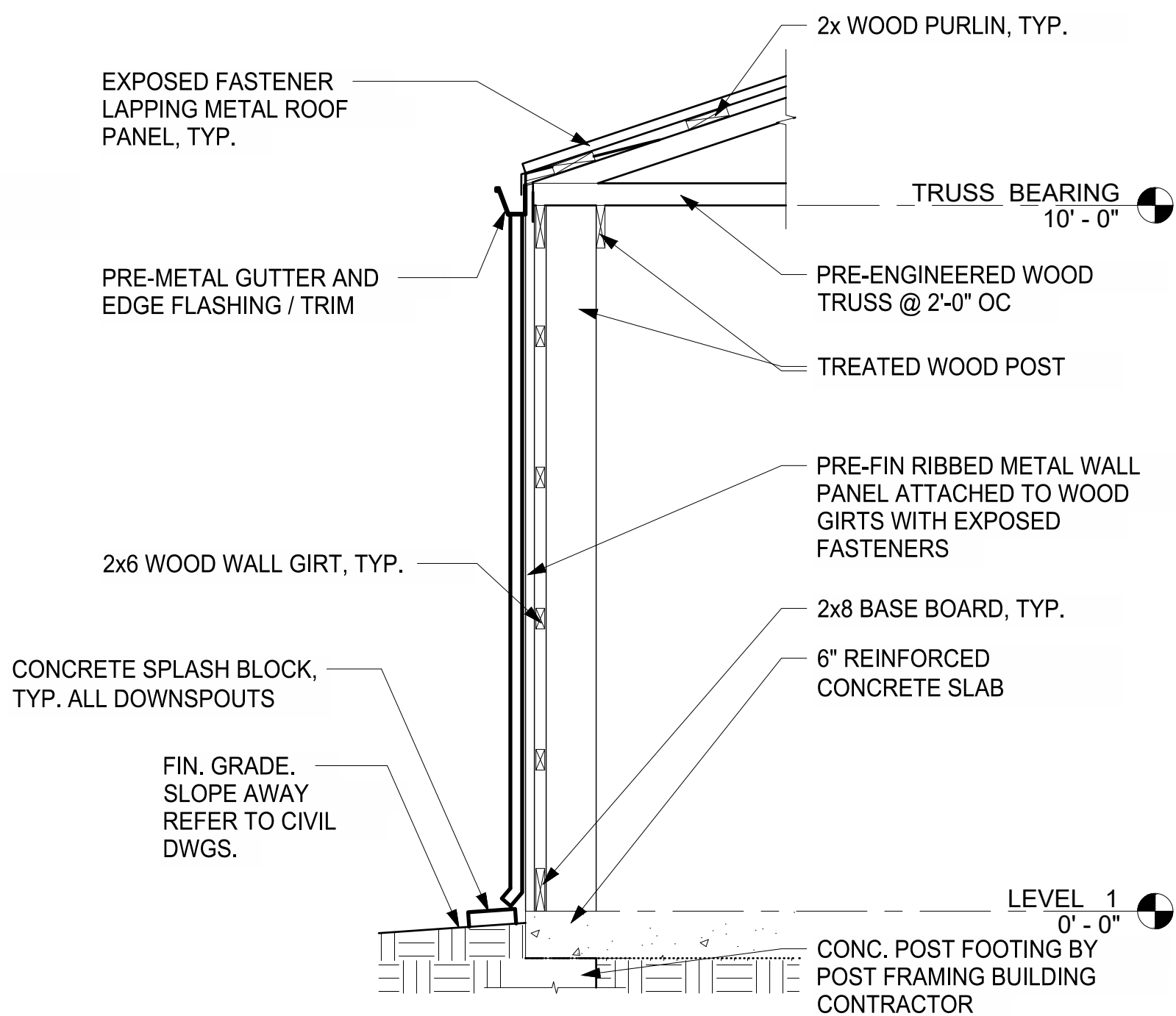
- BUILDING TO BE PROVIDED AS AN ENGINEERED WOOD POST FRAME STRUCTURE VIA DELEGATED DESIGN BASED UPON THE CONSTRUCTION DOCUMENT PACKAGE. REFER ALSO TO SPECIFICATION 13 34 00 'ENGINEERED POST FRAME STRUCTURES'. WOOD FRAME BUILDING SHALL BE A COMPLETE FULLY FUNCTIONAL UTILITY BUILDING INCLUDING STRUCTURAL FRAME AND FOUNDATION, ROOF AND WALL ENCLOSURE PANELS, GUTTERS AND DOWNSPOUTS, DOOR SYSTEMS (MAN DOORS AND OVERHEAD DOORS) AND COMPACTED GRAVEL BASE. REFER TO ELECTRICAL DRAWINGS FOR POWER AND LIGHTING DESCRIPTION. NO INTERIOR FINISHES REQUIRED.
- BUILDING WALL SYSTEM TO INCLUDE VERTICAL AND HORIZONTAL STRUCTURAL ELEMENTS ADEQUATE TO SUPPORT THE WALL SYSTEM AROUND DOOR OPENINGS AND ADEQUATE FOR ATTACHMENT AND SUPPORT OF MAN DOORS AND OVERHEAD DOORS.
- MAN DOORS TO BE GALVANIZED EXTERIOR HOLLOW METAL ASSEMBLIES, FACTORY PRIMED FIELD PAINTED. MINIMUM PERFORMANCE LEVEL B, MODEL 1 FULL FLUSH, TOP AND BOTTOM FLUSH CLOSURES. REFER ALSO TO DOOR SCHEDULE.
- REFER TO CIVIL AND MEP SHEETS FOR DESCRIPTION OF ADJACENT SITE FEATURES AND REQUIREMENTS.
- REFER TO CODES & STANDARDS FOR FIRE.
- ALL DOWNSPOUTS TO HAVE CONCRETE SPLASH BLOCK. PROVIDE 4'x6' PLYWOOD PANEL FOR EQUIPMENT MOUNTING.
- COORDINATE DOWNSPOUT LOCATION WITH CIVIL PLANS.
- CONTRACTOR SHALL INSTALL 24-INCH WIDE LUMBER SHELVING (SEE DETAIL ON SHEET S2)
-



MAINTENACE STORAGE SHED SECTION

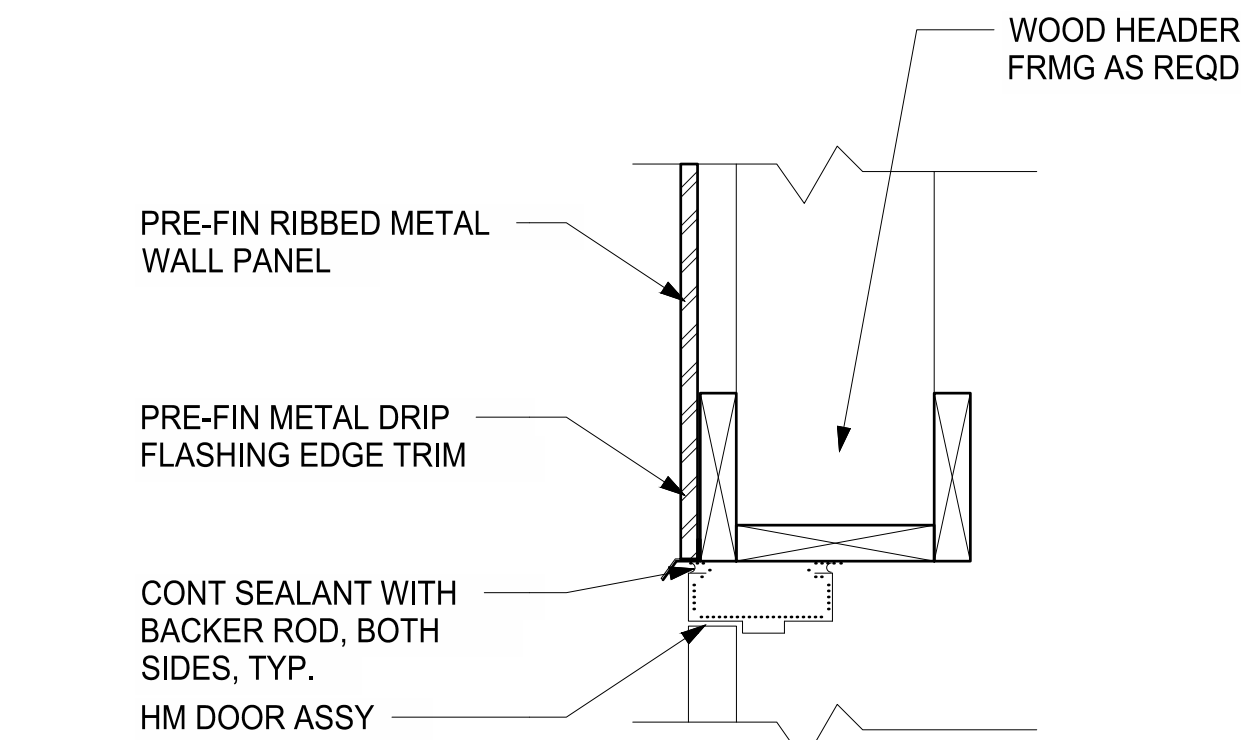
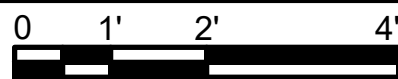
SCALE: NOT TO SCALE

NOTE: EXTERIOR OF MAINTENANCE STORAGE SHED SHALL MATCH THE PROPOSED NATURE CENTER BY OTHERS. METAL ROOF SHALL BE DARK GREY, METAL WALL PANELS SHALL BE COUNTRYLANE RED AND ALL TRIM SHALL BE KHAKI BROWN. COLOR SAMPLES SHALL BE SUBMITTED TO OWNER FOR FINAL APPROVAL PRIOR TO ORDERING MATERIALS.



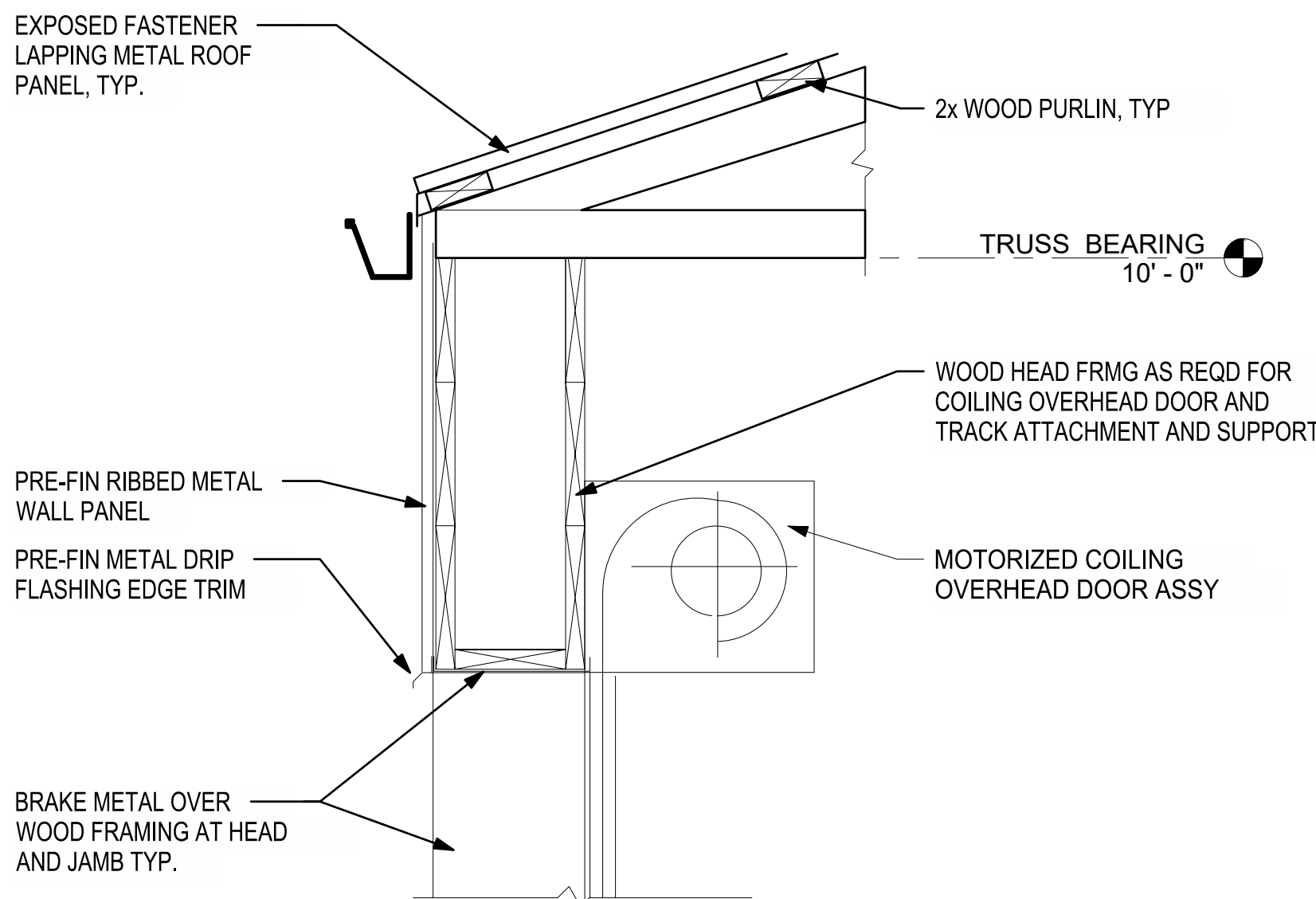
2 WALL SECTION

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



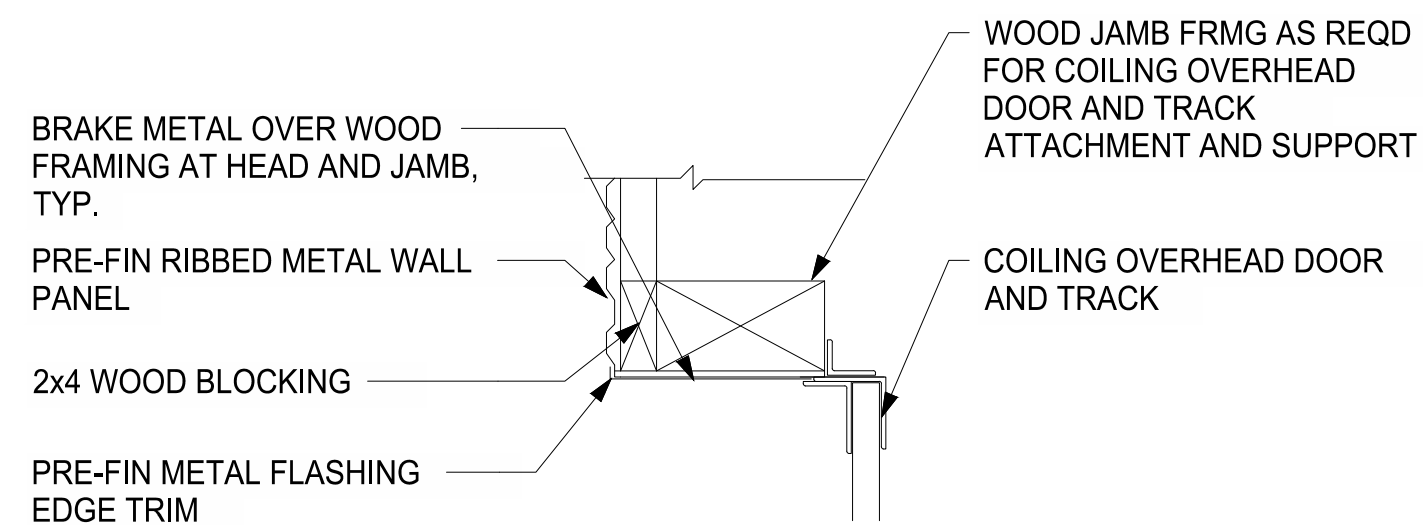
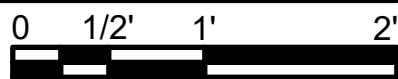
3 MAN DOOR HEAD DETAIL

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



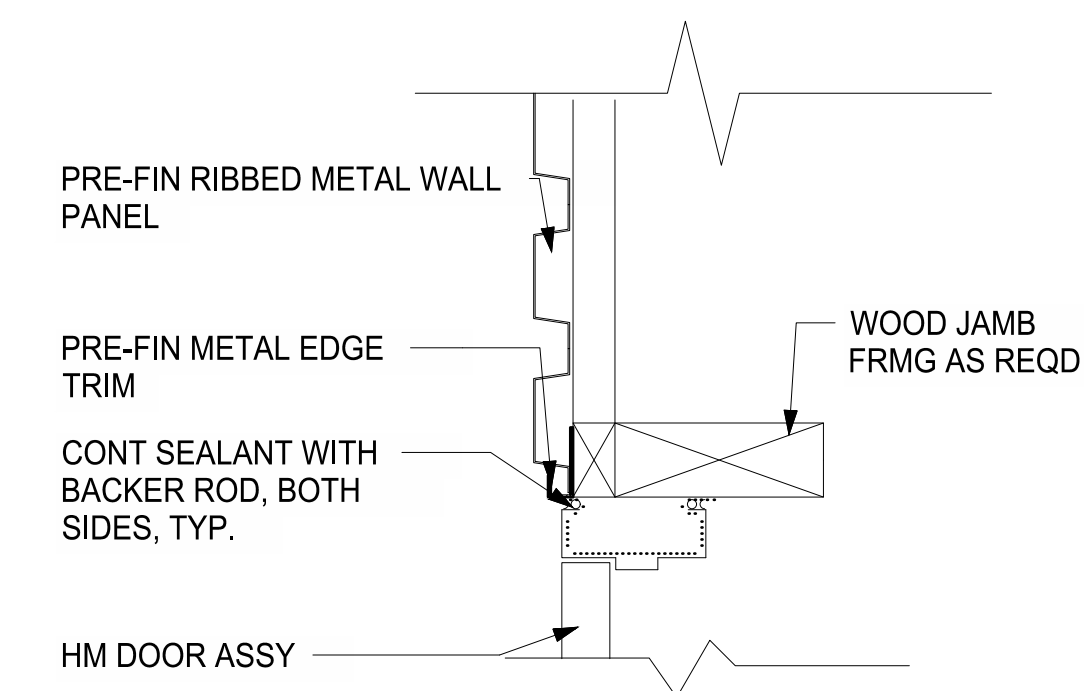
4 OVERHEAD DOOR HEAD DETAIL

SCALE: 1" = 1'-0"



5 OVERHEAD DOOR JAMB DETAIL

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



6 MAN DOOR JAMB DETAIL

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



330 RUSH ALLEY
SUITE 700
COLUMBUS, OH 43215

B&N
burgessniple.com

MARION COUNTY PARK DISTRICT
TALLGRASS MAINTENANCE BUILDING
MARION, OHIO
OCTOBER 2026

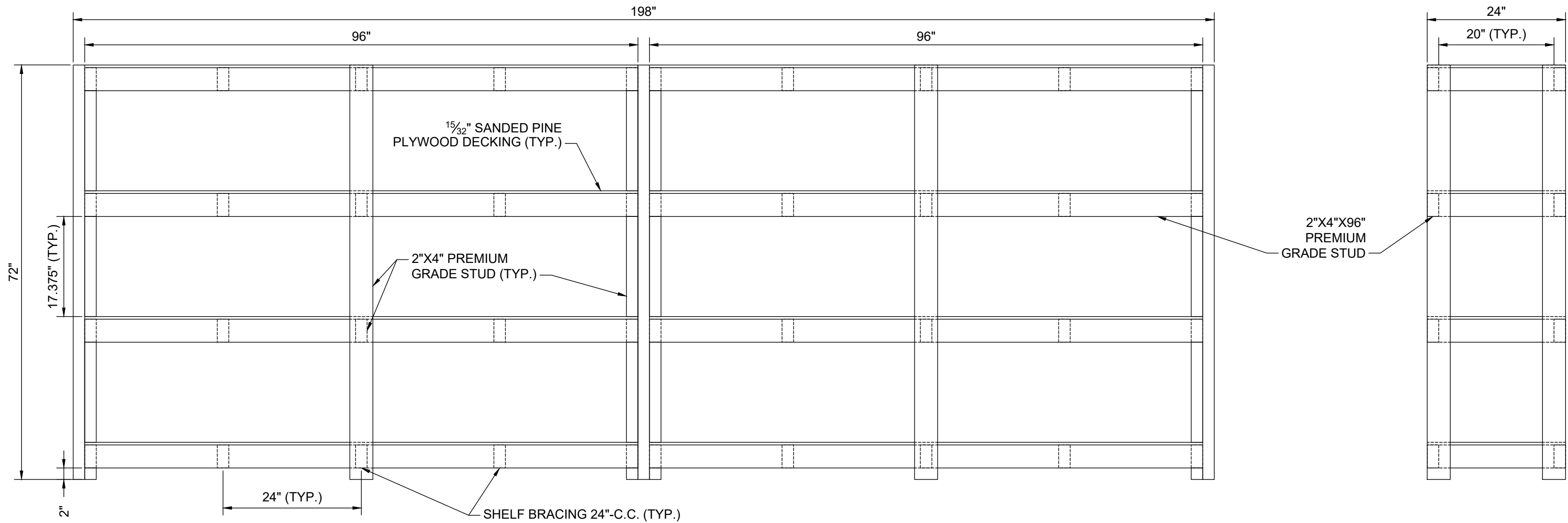
NO.	DESCRIPTION	DATE

JOB NO: PR59663
DATE: OCT 2026
DESIGNED BY: MLB
DRAWN BY: MLB
CHECKED BY: BWT
APPROVED BY: BWT
SCALE: NONE

MAINTENANCE
STORAGE PLAN AND
DETAILS

S1

SHEET: OF

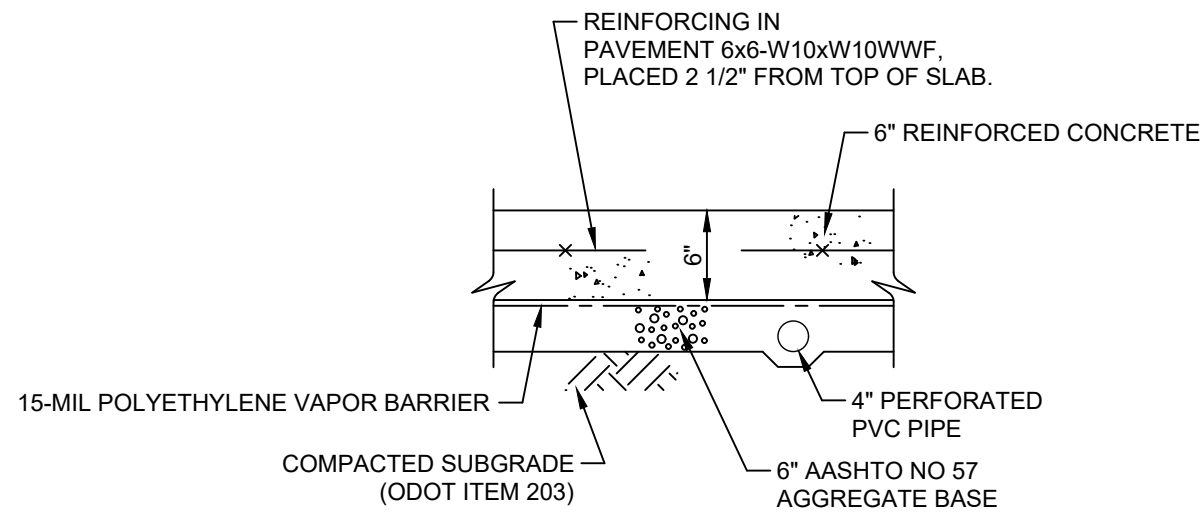


7 LUMBER SHELVING DETAIL
SCALE: 3/4" = 1'-0"



NOTE:

VAPOR BARRIER, ASTM E1745 CLASS A COMPLIANT WITH PERMEANCE OF 0.01 BEFORE AND AFTER MANDATORY CONDITIONING AS REQUIRED. INSTALL PER ASTM E 1643-10. FOLLOWING LEVELING AND TAMPING OF GRANULAR BASE FOR SLABS ON GRADE, PLACE VAPOR RETARDER SHEETING WITH LONGEST DIMENSION PARALLEL WITH DIRECTION OF POUR. LAP JOINTS 6-INCHES AND SEAL VAPOR BARRIER JOINTS WITH MANUFACTURERS RECOMMENDED MASTIC AND/OR PRESSURE SENSITIVE TAPE.



8 REINFORCED CONCRETE SLAB DETAIL
SCALE: NOT TO SCALE

CODES AND SPECIFICATIONS

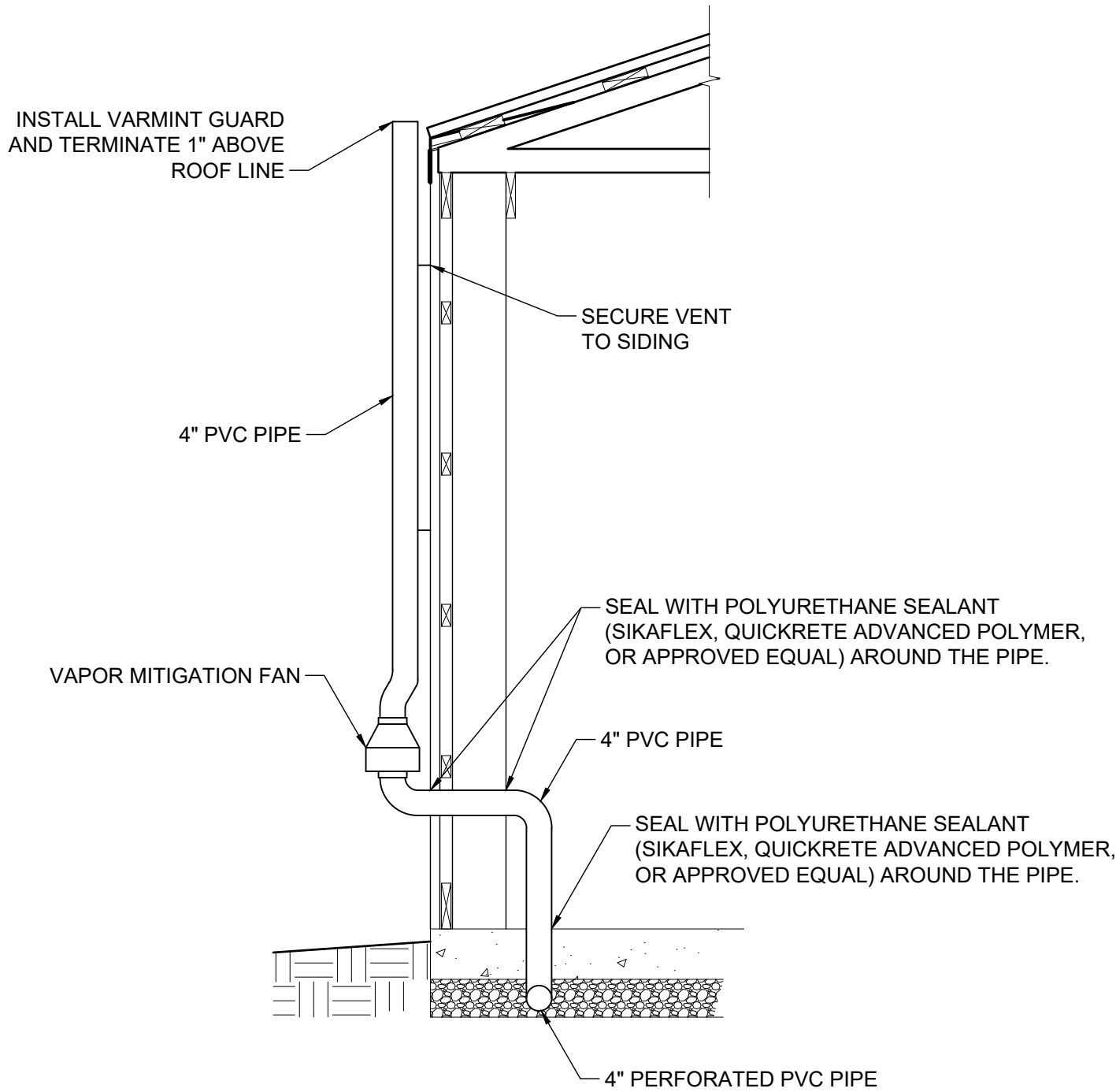
2024 OHIO BUILDING CODE (BASED ON 2021 IBC)

MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES-SEI/ASCE 7-10

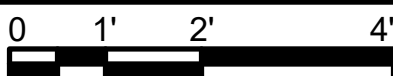
AMERICAN CONCRETE INSTITUTE:

- ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
- ACI 302.1R "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION"
- ACI 304R "GUIDE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE"
- ACI 311.1R "ACI MANUAL OF CONCRETE INSPECTION (SP-2)"
- ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
- ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
- ACI 347R "GUIDE TO FORMWORK FOR CONCRETE"
- ACI 350 "ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES"
- ACI SP-15 "FIELD REFERENCE MANUAL"
- ACI 530 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) - STEEL CONSTRUCTION MANUAL - FOURTEENTH EDITION



9 VAPOR MITIGATION DETAIL
SCALE: 1/2" = 1'-0"



NOTES:

- VAPOR MITIGATION FAN. VAPOR MITIGATION FAN SHALL BE RADONAWAY XP201 PRO SERIES RADON FAN P/N 28470 OR APPROVED EQUAL. FAN SHALL OPERATE CONTINUOUSLY AND SHALL BE 120V, 60HZ, 1.5 AMP POWER SUPPLY. INSTALL PER MANUFACTURER RECOMMENDATIONS. FAN VENT SHALL TERMINATE 1" ABOVE ROOF LINE AND SHALL INCLUDE A VARMINT GUARD. FAN VENT SHALL BE PROPERLY SUPPORTED AND SECURED TO THE BUILDING SIDING.
- VAPOR MITIGATION SUB-SLAB PIPING. PERFORATED PIPE AND FITTINGS SHALL BE POLYVINYL CHLORIDE (PVC) CONFORMING TO ASTM D3034 WITH A MINIMUM PIPE WALL THICKNESS OF SDR 26. ALL PIPE SPIGOTS SHALL HAVE A "HOME" MARK TO FACILITATE JOINT CLOSURE. FITTINGS SHALL BE FACTORY MADE AND PROVIDED WITH JOINTS OF PROPER DESIGN TO CONNECT TO THE PIPE OR APPROVED ADAPTERS SHALL BE FURNISHED TO CONNECT THE PIPE TO FITTINGS. PIPE SHALL BE STRAIGHT WITH A MAXIMUM DEVIATION FROM STRAIGHTNESS OF 1/16 INCH PER FOOT OF PIPE WHEN MEASURED IN ACCORDANCE WITH ASTM D2122. PIPE JOINTS SHALL BE ELASTOMERICALLY GASKETED CONFORMING TO ASTM D3212 PUSH ON TYPE.
1. INSTALLATION. INSTALL VAPOR MITIGATION PIPING TO THE ELEVATIONS, SLOPES, AND ALIGNMENT SHOWN ON THE DRAWING. PROVIDE FITTINGS AND/OR COUPLINGS AS APPROPRIATE TO MAKE CONNECTIONS TO EXISTING PIPING OR STRUCTURES AS REQUIRED.
2. PIPING SHALL BE PROPERLY SUPPORTED ACROSS AND WITHIN ALL EXCAVATED AREAS WITH COMPACTED GRANULAR BACKFILL.
3. PVC PIPE SHALL BE TESTED FOR DEFLECTION WITH RIDGID BALLS OR MANDRELS USING NO MECHANICAL MEANS OF PULLING FOLLOWING TRENCH BACKFILL AND COMPACTION. PIPE DEFLECTION SHALL NOT EXCEED 5 PERCENT OF THE PIPE DIAMETER.
4. PERFORATION SHALL BE 1/4" AT 1-FOOT CENTER TO CENTER ALONG THE LENGTH OF THE PIPE WITH A MINIMUM OF 3 PERFORATIONS AROUND THE CIRCUMFERENCE OF THE PIPE AT EACH LOCATION.
3. VAPOR MITIGATION ABOVE-SLAB PIPING. PIPE AND FITTINGS SHALL BE SCHEDULE 80 POLYVINYL CHLORIDE (PVC) CONFORMING TO ASTM D1785, PVC 11209 AND ASTM D2467, PVC 1120. PVC PIPE SHALL BE JOINED WITH SOLVENT-CEMENTED SOCKET-TYPE JOINTS EXCEPT WHERE FLANGED OR THREADED JOINTS ARE REQUIRED AT EXPANSION JOINTS, VALVES, OR EQUIPMENT CONNECTIONS. SOLVENT PRIMER SHALL COFORM TO ASTM F656. CEMENT SHALL BE A HEAVY-BODY, MEDIUM-SETTING, HIGH-STRENGTH, CHEMICAL-RESISTANT SOLVENT CEMENT CONFORMING TO ASTM F493. PRIMER AND CEMENT SHALL BE FROM THE SAME MANUFACTURER.
- 3.1. INSTALLATION. INSTALL PIPING TO THE ELEVATIONS, SLOPES, AND ALIGNMENT SHOWN ON THE DRAWING. PROVIDE FITTINGS AND/OR COUPLINGS AS APPROPRIATE TO MAKE CONNECTIONS TO EXISTING PIPING OR STRUCTURES AS REQUIRED.

330 RUSH ALLEY
SUITE 700
COLUMBUS, OH 43215

B&N
burgessniple.com

MARION COUNTY PARK DISTRICT
TALLGRASS MAINTENANCE BUILDING
MARION, OHIO
OCTOBER 2026

NO.	DESCRIPTION	DATE

JOB NO:	PR59663
DATE:	OCT 2026
DESIGNED BY:	MLB
DRAWN BY:	MLB
CHECKED BY:	BWT
APPROVED BY:	BWT
SCALE:	NONE

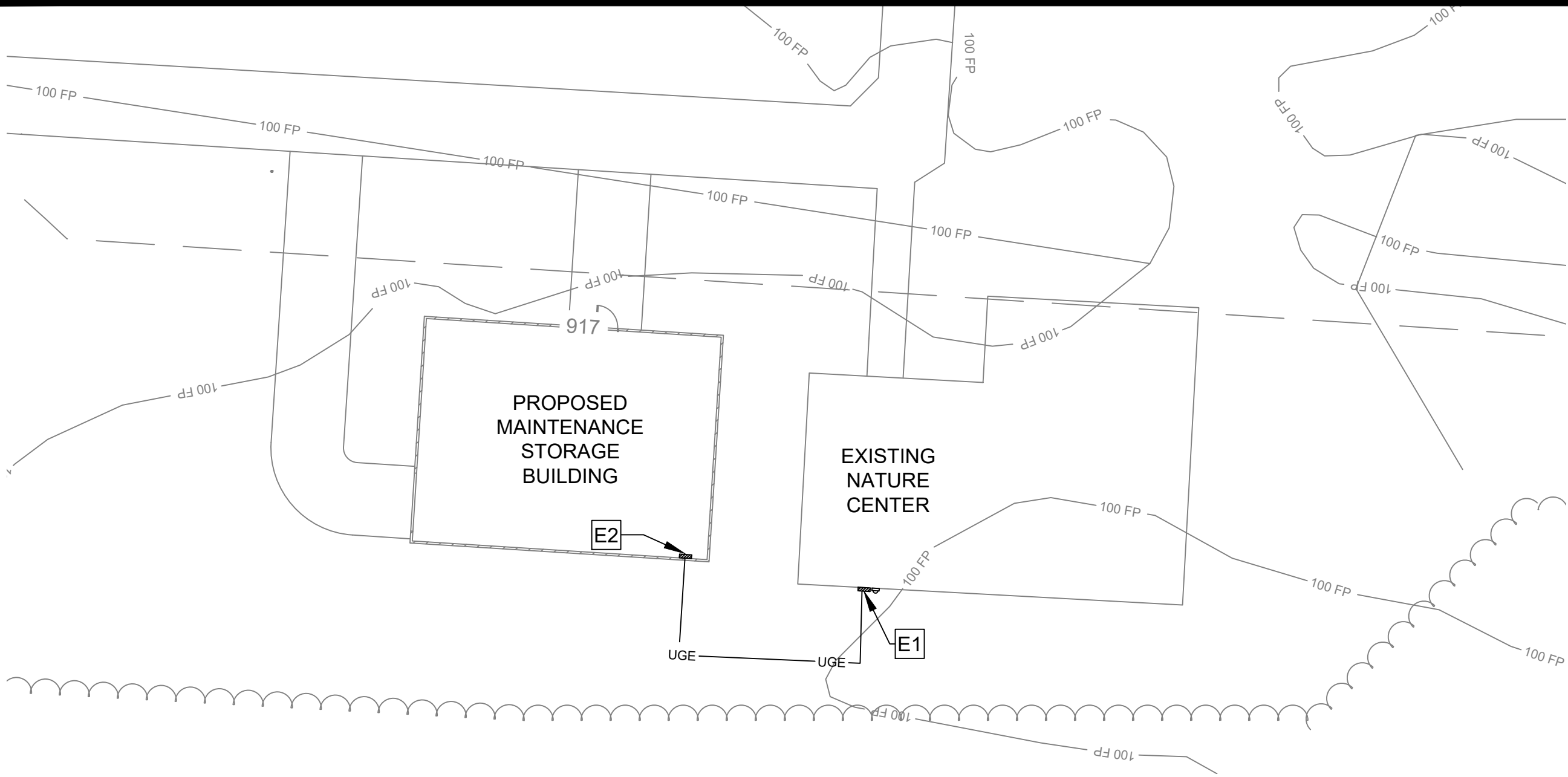
MAINTENANCE
STORAGE DETAILS

S1

SHEET: OF

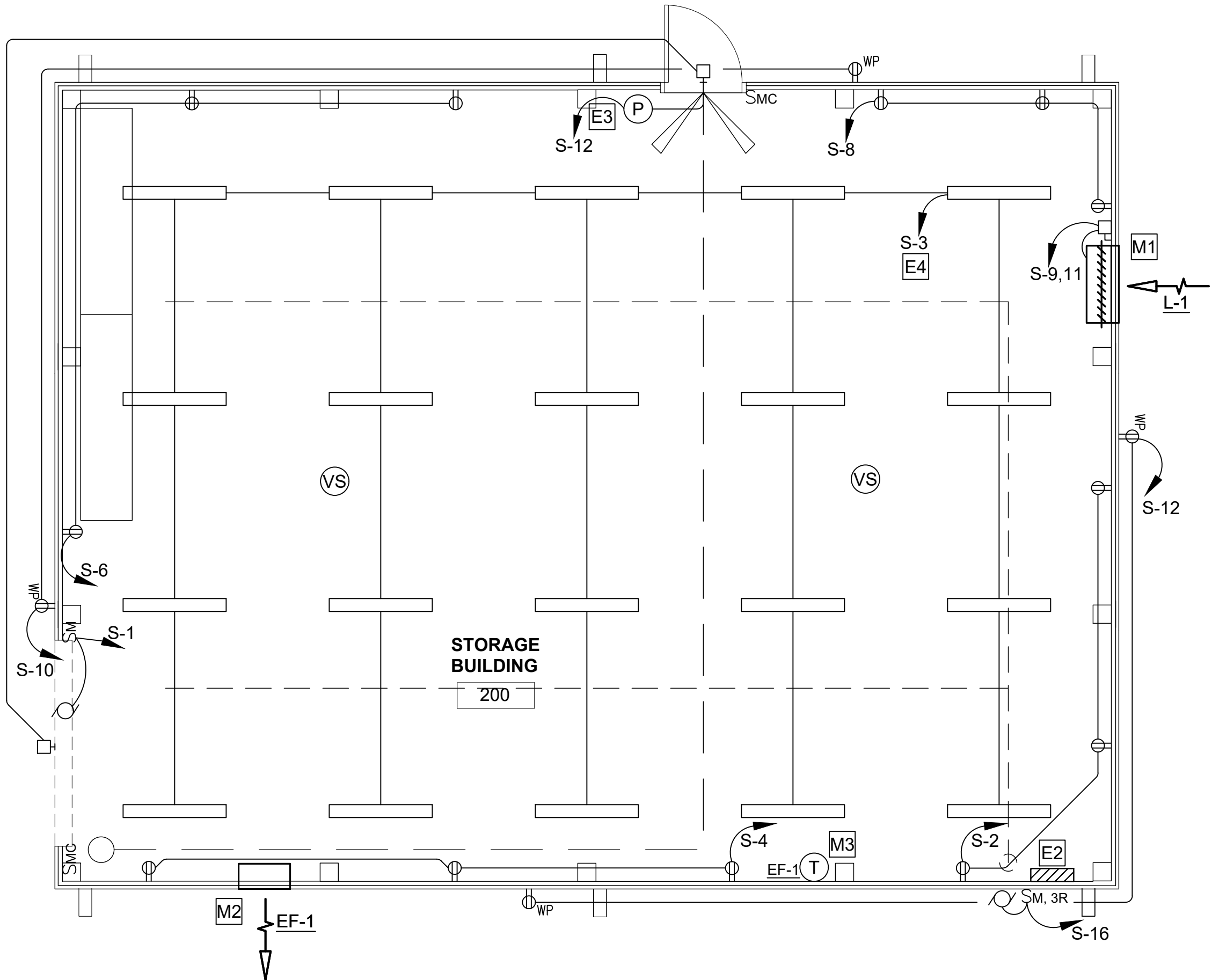
PLOTTED: 10/9/2026 2:01:49 PM

P:\PF59663\Cadd\Sheets\Pole Bam\E1 ELECTRICAL PLANS.dwg 10/9/2026 1:25:15 PM Megan Bowman



ELECTRICAL SITE PLAN

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



ELECTRICAL FLOOR PLAN

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

ELECTRICAL GENERAL NOTES

- THE LIST OF EQUIPMENT, TABULATIONS OF DATA, AND SCHEDULES APPEARING ON THE DRAWINGS ARE INCLUDED ONLY FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR IN ARRIVING AT A MORE COMPLETE UNDERSTANDING OF THE INTENDED INSTALLATION. THEY ARE NOT INTENDED, NOR SHALL BE CONSTRUED, AS RELIEVING THE RESPONSIBILITY OF THE CONTRACTOR IN MAKING HIS OWN TAKEOFF AND PROVIDING ALL REQUIRED WORK AND COORDINATION AS REQUIRED BY THE CONSTRUCTION DOCUMENTS, SPECIFICATIONS AND ALL APPLICABLE CODES AND STANDARDS.
- CIRCUIT ROUTING AS SHOWN ON THE PLANS IS DIAGRAMMATIC. BRANCH CIRCUIT CONDUIT ROUTING SHALL BE COORDINATED IN THE FIELD BY THE CONTRACTOR TO MEET SPECIFICATIONS, CODE REQUIREMENTS, AND TO PROVIDE A NEAT, WORKMAN LIKE, FULLY OPERATIONAL SYSTEM.
- UNLESS NOTED OTHERWISE, ELECTRICAL PANELS, TRANSFORMERS, ETC. SHALL NOT BE UNDER PIPING, DUCTWORK AND OTHER MECHANICAL EQUIPMENT. SEE MECHANICAL AND PLUMBING DRAWING FOR COORDINATION OF LOCATION.
- PROVIDE A BUSHING OR ADAPTOR ON ALL RGC CONDUIT WHERE IT ENTERS A BOX, FITTING, OR ENCLOSURE TO PROTECT WIRE FROM ABRASION UNLESS THE BOX, FITTING, OR ENCLOSURE DESIGN PROVIDES EQUIVALENT PROTECTION.
- UNLESS INDICATED, WIRING SHALL BE CONSIDERED 3#12, 1#12G, IN 3/4" CONDUIT. CONDUIT SIZES AS SHOWN ARE BASED ON THHN/THWN INSULATED WIRE. THE CONTRACTOR SHALL VERIFY CONDUIT SIZE WILL MEET NEC CONDUIT FILL REQUIREMENTS IF USING WIRING WITH A DIFFERENT INSULATION TYPE OR THICKNESS.
- ALL PENETRATIONS THROUGH FIRE RATED WALL, FLOORS AND SMOKE PARTITIONS SHALL BE SEALED WITH AN APPROVED FIRE PROOFING SEALANT OR UL LISTED PENETRATION DEVICE.
- PROVIDE SEPARATE NEUTRAL FOR ALL CIRCUITS.
- LIGHT FIXTURES SHALL BE PROVIDED COMPLETE WITH ALL ACCESSORIES AND MISCELLANEOUS HARDWARE REQUIRED FOR PROPER INSTALLATION.
- TRAVELERS FOR MULTIPLE LOCATION OR LEVEL SWITCHING (THREE AND FOUR WAY, OR DUAL LEVEL) ARE NOT MARKED ON THE PLANS. CONTRACTOR SHALL PROVIDE QUANTITY OF CONDUCTORS REQUIRED FOR THE INDICATED SWITCHING ARRANGEMENT. A NEUTRAL SHALL BE PROVIDED TO EACH SWITCH LOCATION.
- ELECTRICAL CONTRACTOR TO PROVIDE FINAL PANELBOARD SCHEDULES AFTER COMPLETION OF PROJECT.

LOUVER SCHEDULE

TAG	SERVICE	SIZE (IN) (WxH)	FREE AREA (SF)	CFM	SERVES	REMARKS
LV-1	INTAKE	36x36	5	2400	STORAGE	SEE NOTES

NOTES:

- SELECTIONS BASED ON GREENHECK.
- PROVIDE INSECT SCREEN FOR INTAKE SERVICE.
- PROVIDE ALUMINUM STORMPROOF CONSTRUCTION.
- PROVIDE WITH INTEGRAL BACKDRAFT DAMPER.

FAN SCHEDULE

TAG	LOCATION	FAN TYPE	CFM	ESP (IN WG)	MAX SONES	DRIVE	HP	VOLTS	PHASE	MODEL NO.	REMARKS
EF-1	STORAGE	EXHAUST	2400	0.20	9	DIRECT	3/4	230	1	SE1-18-429-VG	SEE NOTES

NOTES:

- SELECTIONS BASED ON GREENHECK.
- PROVIDE DIRECT DRIVE FAN WITH ELECTRONIC SPEED CONTROLLER.
- PROVIDE WITH INTEGRAL BACKDRAFT DAMPER.
- INTERLOCK FAN WITH LOW-VOLTAGE THERMOSTAT. SET THERMOSTAT SETPOINT AT 85° F.

LOAD CENTER 'S' SCHEDULE

40A MCB, 120/240V, 1-PHASE, 3 WIRE, SURFACE MOUNTED														
LOAD SERVED	LOAD (A)		BKR TRIP	WIRE SIZE	CKT. NO.		CKT. NO.	WIRE SIZE	BKR TRIP	LOAD (A)		LOAD SERVED		
	A	B								A	B			
OVERHEAD DOOR	9.6		20	#12	1		2	#12	20	6.0		INTERIOR RECEPTACLES SW		
INTERIOR LIGHTING		7.0	20	#12	3		4	#12	20		6.0	INTERIOR RECEPTACLES S		
SPARE			20	--	5		6	#12	20	6.0		INTERIOR RECEPTACLES NE		
EXTERIOR LIGHTING		0.5	20	#12	7		8	#12	20		6.0	INTERIOR RECEPTACLES NW		
EXHAUST FAN, EF-1	7.5		15	#12	9		10	#12	20	3.0		EXTERIOR RECEPTACLES NE		
					11		12	#12	20		3.0	EXTERIOR RECEPTACLES SW		
SPARE			20	--	13		14	--	20			SPARE		
SPARE			20	--	15		16	#12	15		0.6	VAPOR MITIGATION FAN		
SPACE			--	--	17		18	--	--			SPACE		
SPACE			--	--	19		20	--	--			SPACE		
SPARE			--	--	21		22	--	--			SPACE		
SPACE			--	--	23		24	--	--			SPACE		
TOTAL		17.1	15.0									15.0	15.6	TOTAL
TOTAL CONNECTED AMPS A: 32.1 B: 30.6														

ELECTRICAL CODED NOTES:

- E1 EXISTING PANELBOARD, 100A MCB, 120/240V, 1Ø, 3W, EATON MODEL PRL1A. PROVIDE NEW 40A-2P CIRCUIT BREAKER IN AVAILABLE SPACE. NEW CIRCUIT BREAKERS MUST BE COMPATIBLE WITH THE EXISTING PANELBOARD.
- E2 PROVIDE NEW LOAD CENTER 'S', 40A MCB, 120/240V, 1Ø, 3W. CONNECT TO NEW 40A-2P CIRCUIT BREAKER IN EXISTING PANELBOARD WITH 3 #8, 1 #10 GND, 1" CONDUIT.
- E3 CONNECT EXTERIOR LIGHTING VIA PHOTOCELL.
- E4 SEE INTERIOR LIGHTING CONTROL WIRING DIAGRAM, SHEET E2.
- E5 MOTORIZED OVERHEAD DOOR, MAXIMUM 1/2 HP, 120V.

MECHANICAL CODED NOTES:

- M1 PROVIDE LOUVER AND STAINLESS STEEL SLEEVE THROUGH WALL. INSTALL BOTTOM OF LOUVER APPROXIMATELY 4'-0" ABOVE FINISHED FLOOR. PROVIDE LOUVER WITH BACKDRAFT DAMPER.
- M2 PROVIDE SIDEWALL PROPELLER EXHAUST FAN AND SUPPORTS COMPLETE.
- M3 PROVIDE LOW VOLTAGE THERMOSTAT AND CONTROL WIRING. MOUNT THERMOSTAT 60" ABOVE FINISHED FLOOR.

ELECTRICAL LEGEND

- EXTERIOR WALLPACK LUMINAIRE, WALL MOUNTED 120" AFF. HUBBELL OUTDOOR LIGHTING, MODEL #LNC2-12L-4K-035-4-120-ER, OR APPROVED EQUAL.
LINEAR LED LUMINAIRE; COLUMBIA LIGHTING, MODEL #LCL4-30-ML-EU - RATED AT 5150 LUMENS, OR APPROVED EQUAL. MOUNT SUSPENDED FROM STRUCTURE AT 10'-0" AFF.
- ⊙ PHOTOCELL, MOUNT ON ROOF FACING NORTH PER MANUFACTURER'S INSTRUCTIONS
- ⊙ VACANCY SENSOR, DUAL TECHNOLOGY ULTRASONIC/ INFRARED, MANUAL ON, AUTO OFF, LUTRON MODEL LOS-CDT-2000, OR APPROVED EQUAL. PROVIDE POWER PACK, LUTRON MODEL PP-DV-M, OR APPROVED EQUAL COMPATIBLE WITH SENSOR.
- ⊙ LOW VOLTAGE MOMENTARY CONTACT SWITCH, LUTRON NTRCS-1, OR APPROVED EQUAL COMPATIBLE WITH VACANCY SENSOR AND POWER PACK.
- ⊙ MOTOR RATED SWITCH
- ⊙ MOTOR RATED SWITCH IN NEMA 3R ENCLOSURE
- ⊙ DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTING TYPE, 20A, 120V, 18" AFF, UON
- ⊙ DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTING TYPE, 20A, 120V WITH WEATHERPROOF COVER, 18" ABOVE FINISHED GRADE OR FLOOR, UON
- ⊙ ELECTRICAL PANEL OR LOAD CENTER, 120/240V, 1Ø, 3W

330 RUSH ALLEY
SUITE 700
COLUMBUS, OH 43215

B&N
burgessniple.com

MARION COUNTY PARK DISTRICT
TALLGRASS MAINTENANCE BUILDING
MARION, OHIO
OCTOBER 2026

NO.	DESCRIPTION	DATE

JOB NO:	PR59663
DATE:	OCT 2026
DESIGNED BY:	CMC
DRAWN BY:	MLB
CHECKED BY:	BWT
APPROVED BY:	BWT
SCALE:	NONE

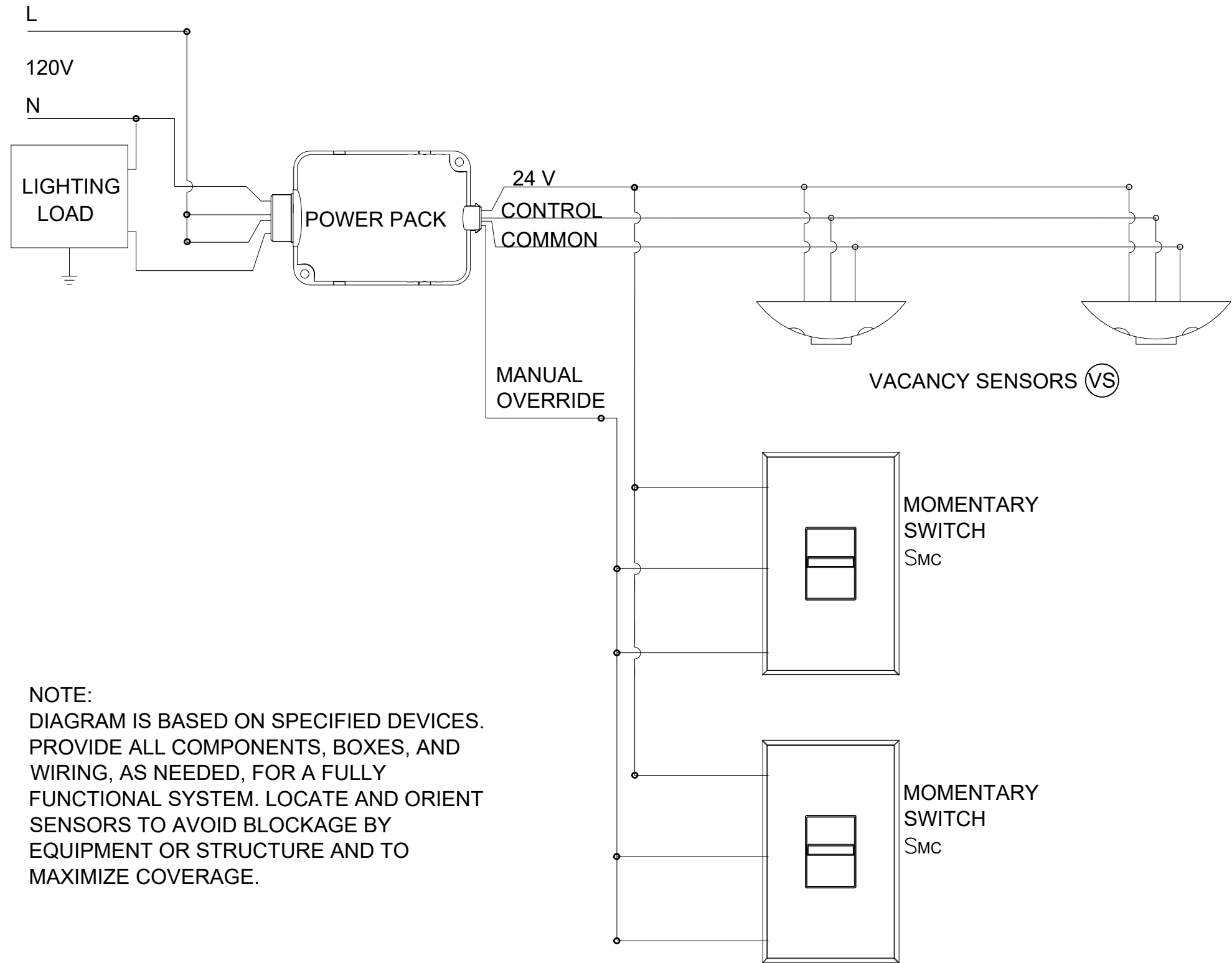
ELECTRICAL PLANS

E1

SHEET: OF

- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS ARE TO DESCRIBE THE INSTALLATION OF A COMPLETE, FULLY ADJUSTED, AND OPERATIONAL SYSTEM.
2. THE CONTRACTOR SHALL PROVIDE ALL SUPERVISION, LABOR, MATERIAL, EQUIPMENT, MACHINERY, AND ANY AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE SYSTEM.
3. ALL WORK UNDER THIS SECTION SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH STATE BUILDING CODES AND THE NATIONAL ELECTRIC CODE.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVAL, OBTAIN ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE INSTALLATION OF THEIR WORK.
5. THE DRAWINGS ARE DIAGRAMMATIC ONLY. THE CONTRACTOR MAY NEED TO MAKE FIELD ADJUSTMENTS TO ACCOMMODATE ACTUAL FIELD CONDITIONS.
6. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR THE GENERAL CONSTRUCTION OF THE BUILDING, FOR FLOORS AND CEILING HEIGHTS, FOR LOCATIONS OF WALLS, PARTITIONS, BEAMS, ETC.
7. MANUFACTURER'S LIST ARE TO ESTABLISH A STANDARD OF QUALITY AND NOT INTENDED TO LIMIT THE SELECTION TO THESE MANUFACTURERS.
8. CONTRACTOR SHALL VERIFY ALL LISTED MODEL NUMBERS WITH MANUFACTURERS TO INSURE PROPER APPLICATION OF EQUIPMENT.
9. EQUIPMENT AND MATERIALS SHALL BE HANDLED, STORED AND PROTECTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
10. THE CONTRACTOR SHALL PERFORM ANY AND ALL TRENCHING, EXCAVATION AND BACKFILLING REQUIRED FOR THE INSTALLATION OF HIS WORK.
11. THE CONTRACTOR SHALL FURNISH ALL NECESSARY SCAFFOLDING, STAGING, RIGGING AND HOISTING REQUIRED FOR THE COMPLETION OF HIS WORK.
12. ALL WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND OTHER TRADES INVOLVED IN THE CONSTRUCTION PROJECT. ALL WORK SHALL BE CAREFULLY LAID OUT IN ADVANCE TO COORDINATE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FEATURES OF CONSTRUCTION.
13. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING HIS BID SO AS TO BE THOROUGHLY FAMILIAR WITH THE JOB CONDITIONS AND/OR PECULIARITIES. NO EXTRA PAYMENT WILL BE ALLOWED FOR ANYTHING WHICH COULD HAVE BEEN ANTICIPATED FROM A VISIT TO THE SITE.
14. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
15. PROVIDE GROUNDING FOR ALL CONDUITS, MOTOR FRAMES, METAL CASINGS, RECEPTACLES, SYSTEM NEUTRAL, ETC. AND AS REQUIRED BY NEC AS MINIMUM. RESISTANCE TO GROUND SHALL NOT EXCEED 25 OHMS. CONTRACTOR SHALL SUBMIT GROUNDING TEST REPORT.
16. A GREEN INSULATED COPPER GROUND WIRE, SIZED PER NEC, SHALL BE INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUITS.
17. ALL FIXTURES SHOWN ON THE FIXTURE SCHEDULE SHALL BE FURNISHED AND INSTALLED, COMPLETE WITH ALL MOUNTING ACCESSORIES, LAMPS AND TUBES. FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE. ACRYLIC LENSES SHALL BE A MINIMUM THICKNESS OF 0.125 INCHES.
18. ALL WIRING SHALL BE RUN IN CONDUIT. FOR UNDER FLOOR INSTALLATIONS, CONDUIT SHALL BE RUN BELOW, NOT IN, THE SLAB. THE MINIMUM INDOOR CONDUIT SIZE SHALL BE 3/4". THE MINIMUM OUTDOOR UNDERGROUND CONDUIT SIZE SHALL BE 1". FEEDER CONDUITS EXTERIOR TO THE BUILDING FOUNDATION WALL BELOW GRADE SHALL BE SIZED AS SHOWN ON THE DRAWING. OUTDOOR EXPOSED CONDUIT SHALL BE RIGID CONDUIT. UNDERGROUND CONDUIT SHALL BE RIGID METALLIC CONDUIT OR NONMETALLIC RIGID CONDUIT WHERE NOTED. CONNECTION TO EQUIPMENT SHALL BE LIQUIDTIGHT FLEXIBLE METAL CONDUIT. OUTDOOR BOXES AND ENCLOSURES SHALL BE NEMA TYPE 3R OR TYPE 4. INDOOR CONDUIT SHALL BE ELECTRICAL METALLIC TUBING OR TYPE AC OR MC CABLE MAY BE USED FOR BRANCH CIRCUITS WHERE ALLOWED BY NEC AND NOT SUBJECT TO PHYSICAL DAMAGE, MOISTURE OR DAMPNESS. CONNECTION TO EQUIPMENT SHALL BE FLEXIBLE METAL CONDUIT EXCEPT IN WET OR DAMP LOCATIONS USE LIQUIDTIGHT FLEXIBLE METAL CONDUIT. INDOOR BOXES AND ENCLOSURES SHALL BE NEMA TYPE 1, EXCEPT IN DAMP OR WET LOCATIONS USE NEMA TYPE 4, STAINLESS STEEL. WHERE NONMETALLIC CONDUIT IS USED BELOW THE SLAB PROVIDE RIGID CONDUIT TO TURN UP INTO THE BUILDING SPACE OR AT ALL EXTERIOR WALLS, POLES OR EQUIPMENT. USE RACEWAY FITTINGS COMPATIBLE WITH RACEWAY AND SUITABLE FOR USE AND LOCATION. RUN CONCEALED RACEWAYS WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE CONSIDERING THE TYPE OF BUILDING CONSTRUCTION AND OBSTRUCTIONS. RACEWAYS SHALL RUN PARALLEL TO OR AT RIGHT ANGLES TO NEARBY SURFACES OR STRUCTURAL MEMBERS, AND FOLLOW THE SURFACE CONTOURS AS MUCH AS PRACTICAL. PROVIDE GROUNDING CONNECTIONS FOR RACEWAY, BOXES, AND COMPONENTS AS INDICATED AND INSTRUCTED BY MANUFACTURER. TIGHTEN CONNECTIONS AND TERMINALS, INCLUDING SCREWS AND BOLTS, ACCORDING TO EQUIPMENT MANUFACTURER'S PUBLISHED TORQUE-TIGHTENING VALUES FOR EQUIPMENT CONNECTORS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT INDICATED, TIGHTEN CONNECTORS AND TERMINALS ACCORDING TO TIGHTENING TORQUES SPECIFIED IN UL STANDARD 486A. ALL UNDERGROUND RACEWAYS SHALL BE IDENTIFIED BY "UNDERGROUND LINE MARKING TAPE" LOCATED DIRECTLY ABOVE THE RACEWAY AT 6" BELOW FINISHED GRADE. TAPE SHALL BE PERMANENT, BRIGHT-COLORED, CONTINUOUS, MAGNETIC STRIP, PRINTED, PLASTIC TAPE COMPOUNDED FOR DIRECT BURIAL NOT LESS THAN 6" WIDE AND 4 MILS THICK. PRINTED LEGEND SHALL BE INDICATIVE OF THE SERVICE IT IS MARKING. CONDUITS EXPOSED TO DIFFERENT TEMPERATURES SHALL BE SEALED AS REQUIRED BY NEC ARTICLE 300.7A.
19. COLOR FOR DEVICES SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
20. RECEPTACLES SHALL COMPLY WITH UL STANDARD 498, "STANDARD FOR ATTACHMENT PLUGS AND RECEPTACLES," HEAVY-DUTY GRADE 20 AMP RATED EXCEPT AS OTHERWISE INDICATED.

- GROUND-FAULT CIRCUIT INTERRUPTER (GFI) RECEPTACLES SHALL COMPLY WITH UL STANDARD 943. "GROUND FAULT CIRCUIT INTERRUPTERS," WITH INTEGRAL NEMA 5-20R DUPLEX RECEPTACLE.
22. SINGLE POLE AND THREE/FOUR-WAY TOGGLE TYPE SNAP SWITCHES SHALL BE 20 AMP 120/277 V. AC., RATED, QUITE-TYPE A.C. SWITCHES. NRTL LISTED AND LABELED AS COMPLYING WITH UL STANDARD 20 "GENERAL USE SNAP SWITCHES," AND WITH FEDERAL SPECIFICATION W-S-896.
23. WALL PLATES: SINGLE AND COMBINATION TYPES SHALL BE 302 STAINLESS STEEL THAT MATE AND MATCH WITH CORRESPONDING WIRING DEVICES.
24. CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC.
25. ELECTRICAL EQUIPMENT SHALL BE IDENTIFIED WITH LABELS OF ENGRAVED PLASTIC-LAMINATE ON EACH MAJOR UNIT OF ELECTRICAL EQUIPMENT IN THE BUILDING, INCLUDING CENTRAL OR MASTER UNIT OF EACH ELECTRICAL SYSTEM.
26. PANELBOARDS/LOADCENTERS SHALL BE TYPE, RATING, AND FEATURES AS INDICATED ON THE SCHEDULES. ENCLOSURES SHALL BE NEMA TYPE 1, UNLESS OTHERWISE INDICATED, FLUSH OR SURFACE MOUNTED AS INDICATED. CABINET SHALL BE CODE GAUGE, GALVANIZED STEEL. FRONTS SHALL BE SHEET STEEL WITH GRAY LACQUER FINISH WITH HINGED LOCKING DOOR. GROUND AND NEUTRAL BUS SHALL BE 100% RATED. BUS SHALL BE HARD DRAWN COPPER OF 98% CONDUCTIVITY. MAIN AND NEUTRAL LUGS SHALL BE BOLT-ON TYPE. EQUIPMENT GROUND BUS SHALL BE ADEQUATE FOR FEEDER AND BRANCH-CIRCUIT EQUIPMENT GROUND CONDUCTORS. BONDED TO BOX. DIRECTORY FRAME SHALL BE METAL, MOUNTED INSIDE EACH PANEL DOOR. AT THE COMPLETION OF THIS INSTALLATION, TYPE CIRCUIT DESIGNATIONS ON THE DIRECTORY CARD AND LEAVE IN THE CARD HOLDER PROVIDED INSIDE CABINET DOORS. TANDEM CIRCUIT BREAKERS SHALL NOT BE USED. MULTIPOLE BREAKERS SHALL HAVE COMMON TRIP. THE MINIMUM INTERRUPTING RATING FOR CIRCUIT BREAKERS RATED AT 120/240 VOLTS SHALL BE 22,000 AMPS RMS SYMMETRICAL. FOR FLUSH MOUNTED PANELS PROVIDE A MINIMUM OF (4) - 1" CONDUITS STUBBED TO THE CEILING SPACE FOR FUTURE USE.
27. ENCLOSED NONFUSIBLE DISCONNECT SWITCH SHALL BE NEMA KS 1, TYPE HD, HANDLE LOCKABLE WITH 2 PADLOCKS. ENCLOSED FUSIBLE DISCONNECT SWITCH, NEMA KS 1, TYPE HD, CLIPS TO ACCOMMODATE SPECIFIED FUSES, ENCLOSURE CONSISTENT WITH ENVIRONMENT WHERE LOCATED, HANDLE LOCKABLE WITH 2 PADLOCKS, AND INTERLOCKED WITH COVER IN CLOSED POSITION. ALL SWITCHES SHALL BE "HEAVY DUTY" RATED FOR THE VOLTAGE REQUIRED.
28. MAKE ALL NECESSARY TESTS TO INSURE THAT THE ENTIRE INSTALLATION IS FREE FROM IMPROPER GROUNDS AND FROM SHORTED AND/OR OPEN CIRCUITS. VOLTAGE, CURRENT, AND ROTATION TESTS SHALL BE MADE BEFORE ANY MOTORS ARE PLACED IN OPERATION. ALL LOADS MUST BE BALANCED ACROSS PHASES. CHECK TO SEE THAT ALL LIGHTS WORK AND ARE CONTROLLED BY SWITCHES INDICATED ON DRAWINGS OR BREAKERS SO INDICATED ON PANEL SCHEDULE.
29. MARK ALL DEVICES AS TO WHICH PANEL AND CIRCUIT THEY ARE CONNECTED.
30. ALL WIRING FOR EQUIPMENT SHALL BE ONE OF THE FOLLOWING TYPES THW, THHW, THWN WITH A RATING OF AT LEAST 75 DEG. C.
31. BACK TO BACK DEVICES LOCATED IN RATED WALLS SHALL BE SEPARATED BY A DISTANCE OF AT LEAST 24" HORIZONTALLY.
32. FINAL LOCATIONS OF ALL EXIT AND EMERGENCY LIGHTS SHALL BE VERIFIED WITH THE BUILDING INSPECTOR PRIOR TO INSTALLATION.
33. ALL WIRING SHALL BE IN ACCORDANCE WITH THE WIRING METHODS AS STATED PER NEC ARTICLE 518.4.
34. BRANCH CIRCUITS SHALL NOT EXCEED 80% OF OVERCURRENT PROTECTION. DEVICES SHALL BE RELOCATED TO ANOTHER CIRCUIT IF FOUND TO BE IN EXCESS OF 80%.
35. TRANSIENT VOLTAGE SURGE SUPPRESSION SYSTEM (TVSS) SHALL UTILIZE MULTIPLE, BI-DIRECTIONAL PROTECTION ELEMENTS TO SUPPRESS AND DIVERT TRANSIENT VOLTAGES VOLTAGES AND SURGE CURRENTS. THE SYSTEM SHALL BE DESIGNED TO MEET ALL APPLICABLE INDUSTRY STANDARDS AND SHALL BE U.L. 1449 LISTED. THE SYSTEM SHALL WITHSTAND A MINIMUM OF 1,000 CATEGORY C.3 IMPULSES PER ANSI/IEEE C62.45 CATEGORY C. THE SYSTEM SHALL OPERATE AT 480Y/277 VAC OR 208Y/120 VAC AS INDICATED, 3 PHASE, 4 WIRE, PLUS GROUND. THE TVSS SYSTEM SHALL PROTECT L-N, L-G AND N-G IN A WYE CONFIGURATION. THE TVSS SYSTEM SHALL HAVE A SINGLE IMPULSE SURGE CURRENT RATING OF 200,000 AMPS IN THE L-G MODE, 200,000 AMPS IN THE L-N MODE AND 200,000 AMPS IN THE N-G MODE. PROVIDE NOISE FILTERING SYSTEM CAPABLE OF MANAGING NOISE LEVELS PRODUCED BY ELECTROMAGNETIC INTERFERENCE AND RADIO FREQUENCY INTERFERENCE. PROTECTION ELEMENTS SHALL BE FUSED.



NOTE:
DIAGRAM IS BASED ON SPECIFIED DEVICES.
PROVIDE ALL COMPONENTS, BOXES, AND
WIRING, AS NEEDED, FOR A FULLY
FUNCTIONAL SYSTEM. LOCATE AND ORIENT
SENSORS TO AVOID BLOCKAGE BY
EQUIPMENT OR STRUCTURE AND TO
MAXIMIZE COVERAGE.

INTERIOR LIGHTING CONTROL WIRING DIAGRAM

SCALE: NONE