

# LAKE COUNTY LAND REUTILIZATION CORPORATION DEMOLITION PROGRAM 11600 CONCORD HAMB DEN ROAD

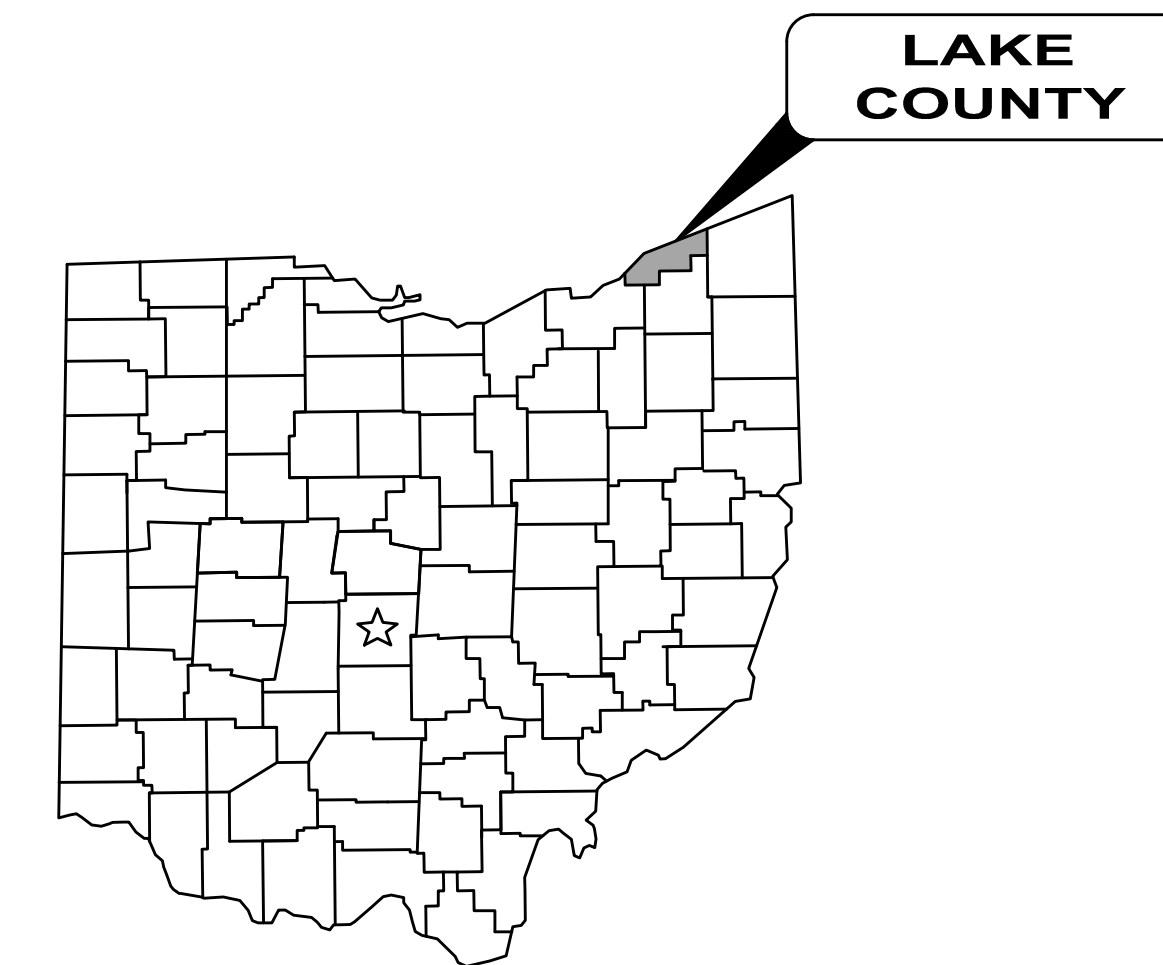
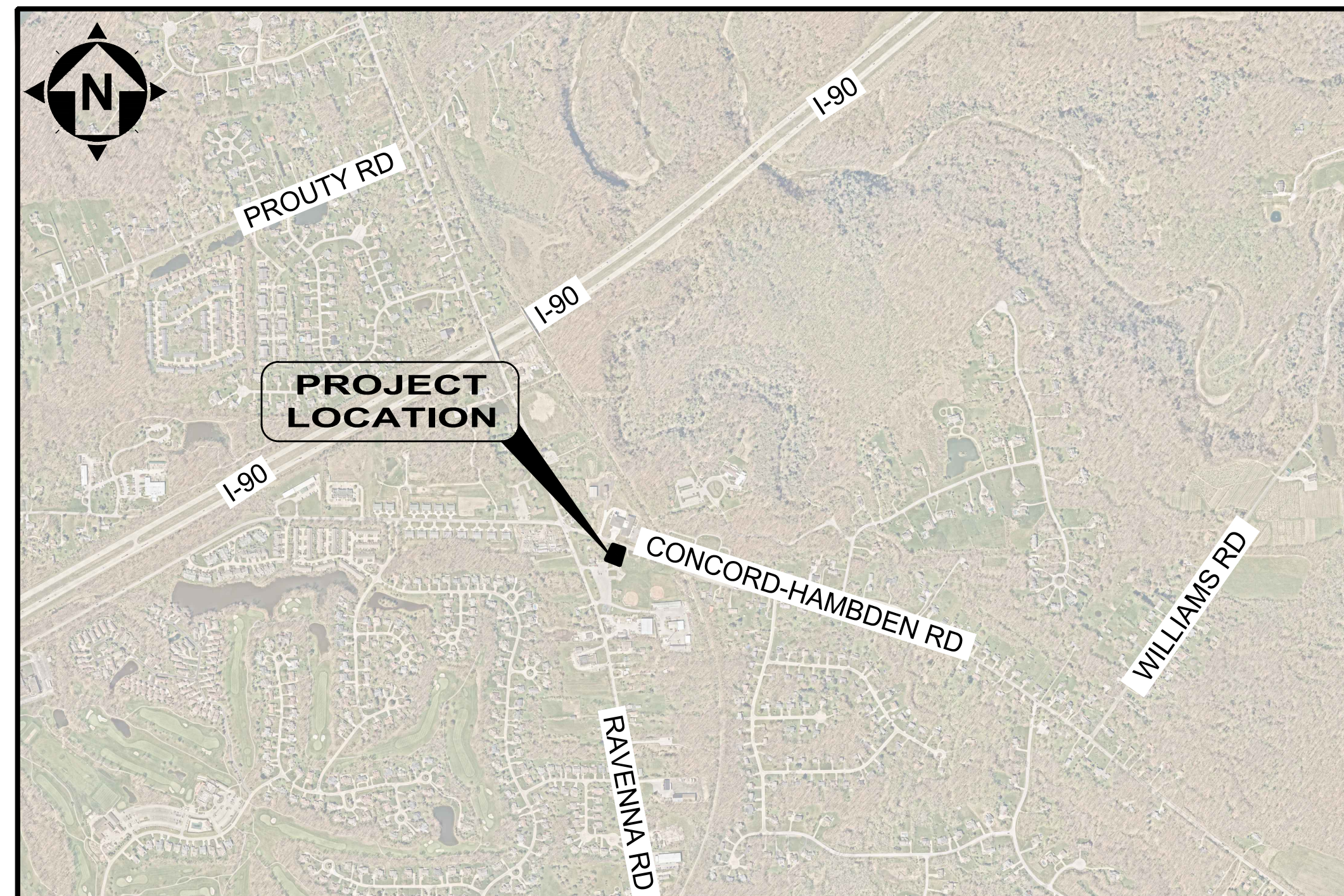
OHIO DEPARTMENT OF DEVELOPMENT BUILDING DEMOLITION AND SITE  
REVITALIZATION PROGRAM

LAKE COUNTY, OHIO

OCTOBER 2024

**LAKE COUNTY REUTILIZATION CORPORATION BOARD OF DIRECTORS:**

JOHN M. ROGERS, ESQ.	EXECUTIVE DIRECTOR
TIMOTHY S. MANROSS	CHAIR & SELECTED DIRECTOR
GABE CICONETTI	VICE CHAIR TOWNSHIP DIRECTOR
MALCOLM A. CHAFFER	REALTOR & SELECTED DIRECTOR
JOHN R. HAMERCHEK	COMMISSIONER
RICHARD J. REGOVICH	COMMISSIONER
MICHAEL ZUREN	TREASURER
JACK CORNACHIO	SELECTED DIRECTOR
JEFF SHIBLEY	SELECTED DIRECTOR
KENNETH FILIPIAK	MENTOR CITY MANAGER, MUNICIPAL DIRECTOR



**DEVELOPED FOR:**

LAKE COUNTY LAND REUTILIZATION CORPORATION  
8 NORTH STATE STREET, SUITE 215  
PAINESVILLE, OH 44077

**ENGINEER:**

CT CONSULTANTS, INC.  
8150 Sterling Ct  
MENTOR, OH 44060

(440) 951-9000 PHONE  
(440) 951-7487 FAX

**PROJECT ADDRESS:**

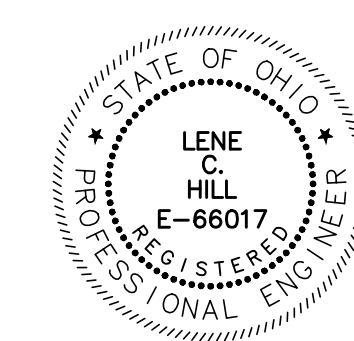
11600 CONCORD HAMB DEN RD  
CONCORD TOWNSHIP, OH 44077  
CONCORD TOWNSHIP FIRE DEPARTMENT

**LOCATION MAP**

1" = 1000'



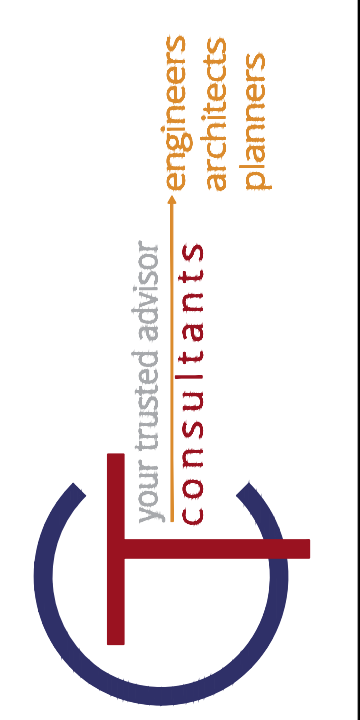
LENE C. HILL, P.E.



P.E. - 66017

09/23/2024

DATE



DATE	REVISION	NO	REVIEW	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			09/12/2024	AS SHOWN	SNK	SNK	SNK	LCH	

**11600 CONCORD HAMB DEN RD  
BUILDING DEMOLITION  
CONCORD TOWNSHIP  
LAKE COUNTY, OH**

**COVER**

PROJECT NO.	241185
DISCIPLINE	CIVIL
SHEET NAME	COVER
SHEET	OF
1	7

**GENERAL NOTES:**

- ANY REVISIONS TO THE ACCEPTED CONSTRUCTION PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION IN THE FIELD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND SHALL NOTIFY THE ENGINEER, IN WRITING, OF ANY DISCREPANCIES.
- NO WORK SHALL COMMENCE WITHOUT AN EXECUTED NOTICE TO PROCEED.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH OSHA SAFETY REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL VISITORS, EMPLOYEES AND WORKERS ON THE CONSTRUCTION SITE.
- THE CONTRACTOR SHALL CONSTRUCT THIS PROJECT IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL BUILDING CODES.
- ALL EXCAVATIONS ARE TO BE SECURED AND PROTECTED AT ALL TIMES.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SECURITY, STORAGE, AND PROPER DISPOSAL OF ALL STORED AND EXCAVATED MATERIALS.
- ALL EROSION AND SEDIMENT CONTROL BMP DEVICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREAS NOT SCHEDULED FOR CONSTRUCTION ACTIVITIES WITHIN 14 DAYS OF DISTURBANCE SHALL BE TEMPORARILY STABILIZED.
- THE CONTRACTOR SHALL WORK WITHIN DESIGNATED STREET RIGHTS-OF-WAY, UTILITY EASEMENTS, AND CONSTRUCTION EASEMENTS WHILE CONSTRUCTING THIS PROJECT UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL MINIMIZE LAND AND PROPERTY DISTURBANCE WITHIN SAID RIGHTS-OF-WAY AND EASEMENTS.
- THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS, CONCRETE MONUMENTS, OR ANY OTHER TYPE OF LAND MONUMENT. THE CONTRACTOR SHALL HAVE ALL MONUMENTS IN THE PROXIMITY OF THE WORK REFERENCED. THE CONTRACTOR SHALL REPLACE DESTROYED OR DISTURBED LAND MONUMENTS AND SHALL FURNISH A CERTIFICATION BY AN OHIO REGISTERED SURVEYOR THAT THE MONUMENTS HAVE BEEN RESTORED.
- ALL POLLUTANTS OTHER THAN SEDIMENT THAT ARE GENERATED ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND LEGALLY DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORM OR SURFACE WATERS OR PLUGGING OF STORM CATCH BASINS AND PIPES. POLLUTANTS OF CONCERN INCLUDE, BUT ARE NOT LIMITED TO, FUELS, LUBRICANTS, SOLVENTS, CONCRETE BI-PRODUCTS AND CONSTRUCTION MATERIALS.
- CONTRACTOR IS REQUIRED TO SUBMIT A COMPREHENSIVE WORK SCHEDULE AT THE PRE-CONSTRUCTION MEETING FOR REVIEW AND APPROVAL BY THE OWNER.
- THE CONTRACTOR SHALL NOT COMMENCE WITH ANY FORM OF CONSTRUCTION WITHOUT CONTACTING CT CONSULTANTS, INC. (440) 951-9000 A MINIMUM OF 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITY TO ARRANGE FOR OBSERVATION. IF ANY CHANGE IN WORK SCHEDULE BECOMES NECESSARY, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT CT CONSULTANTS, INC. TO AVOID UNNECESSARY OBSERVATION COSTS. IF NO NOTIFICATION IS MADE IN REGARDS TO CANCELLATION OF WORK, THE CONTRACTOR WILL BE CHARGED FOR THE TIME INCURRED.
- ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED FROM 8:00 A.M. TO 5:00 P.M. MONDAY THROUGH FRIDAY, UNLESS OTHERWISE APPROVED BY THE MUNICIPALITY AND THE ENGINEER.
- THE CONTRACTOR IS REQUIRED TO BRUSH CLEAN THE ROADWAY AND DRIVEWAY APRON SURFACES EACH DAY DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR IS REQUIRED TO RESTORE ALL AREAS AND/OR ITEMS AFFECTED, DISTURBED, OR DAMAGED DURING CONSTRUCTION TO PRE-CONSTRUCTION CONDITIONS, OR BETTER.

**EXISTING UTILITIES:**

- THE LOCATIONS OF THE UNDERGROUND UTILITIES ARE PLOTTED ACCORDING TO THE INFORMATION FURNISHED BY THE UTILITIES CONCERNED AND THE OWNER DOES NOT GUARANTEE THE ACCURACY THEREOF. CONTRACTOR TO CALL OUPS (1-800-362-2764) "48 HOURS BEFORE YOU DIG" AND CALL OIL & GAS PRODUCERS PROTECTIVE (1-800-925-0988). CONTRACTOR ALSO TO COORDINATE HIS WORK WITH THE UTILITIES LISTED ON THIS SHEET.
- IN THE EVENT OF DAMAGE TO EXISTING PUBLIC AND/OR PRIVATE UTILITIES, THE AGENCY CONCERNED SHALL BE NOTIFIED IMMEDIATELY AND ALL REPAIR WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE AGENCY AT NO ADDITIONAL EXPENSE TO THE OWNER INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS. UTILITY RELOCATION AND SUPPORT COST SHALL BE INCLUDED IN OTHER BID ITEMS.
- THE UTILITY OWNERSHIPS, AS REPORTED BY OUPS, ARE AS LISTED ON THE COVER SHEET OF THIS PROJECT'S PLAN SET AND THE CONTACT INFORMATION FOR EACH UTILITY, IF AVAILABLE, IS LISTED BELOW.

DOMINION EAST OHIO  
320 SPRINGSIDE DR. SUITE 320  
AKRON, OHIO 44333  
RELOCATION@DOMINIONENERGY.COM

PAINESVILLE CITY WATER DEPARTMENT  
495 STORRS ST  
PAINESVILLE, OH 44077  
GEORGE GINNIS  
440-392-2975

AQUA OHIO  
762 WEST LANCASTER AVE  
BRYN MAWR, PA 19010  
(440) 255-3984

ENBRIDGE GAS OHIO  
1201 E 55TH ST  
CLEVELAND, OH 44103  
(1800) 362-7557

LAKE COUNTY DEPARTMENT OF UTILITIES  
105 MAIN ST  
PAINESVILLE, OH 44077  
(440) 350-2070

NORTHEAST OHIO NATURAL GAS CORP.  
5640 LANCASTER-NEWARK RD  
PLEASANTVILLE, OH 43148  
(1800) 237-2099

THE ILLUMINATING COMPANY  
76 S MAIN ST  
AKRON, OH 44308  
(1800) 589-3101

AT&T  
JAMES JANIS  
13630 LORAIN AVE.  
CLEVELAND, OHIO 44111  
216-476-6142

**PROTECTION OF THE PUBLIC NOTES:**

- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF THE PUBLIC FROM ANY HAZARDS CAUSED BY THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL PROVIDE SIGNS, BARRICADES, FENCING, PLATES, COVERS, ETC. NEEDED TO PROVIDE THIS PROTECTION. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS WITH RESPECT TO PROTECTING THE PUBLIC.

**DUST CONTROL:**

- WATER IS TO BE PROVIDED BY THE CONTRACTOR FOR USE AS DUST CONTROL, AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE.

**PROTECTION OF EXISTING UTILITIES:**

- SHOULD IT BECOME NECESSARY TO CHANGE THE POSITION OR TEMPORARILY REMOVE ANY EXISTING UTILITY IN ORDER TO PERMIT THE CONTRACTOR TO USE A PARTICULAR METHOD OF CONSTRUCTION OR IN ORDER TO CLEAR THE STRUCTURES BEING BUILT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE LOCATION AND CIRCUMSTANCES AND SHALL CEASE WORK, IF NECESSARY, UNTIL SATISFACTORY ARRANGEMENTS HAVE BEEN MADE BY THE OWNERS OF SAID EXISTING UTILITY TO PROPERLY CARE FOR THE SAME. NO CLAIMS FOR DAMAGES WILL BE ALLOWED ON ACCOUNT OF ANY DELAY OCCASIONED THEREBY. THE ENTIRE COST OF THE CHANGES OR TEMPORARY REMOVAL MUST BE INCLUDED IN THE PRICES STIPULATED FOR THE VARIOUS ITEMS OF WORK TO BE DONE UNDER THIS CONTRACT.
- NO SURFACE, GROUND OR TRENCH WATER SHALL BE ALLOWED TO FLOW INTO EXISTING SANITARY SEWERS.
- CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF ALL FENCES, RETAINING WALLS, STEPS, UTILITY POLES, MONUMENTS, UTILITY APPURTENANCES, SIGNAGE AND LANDSCAPE BEDS. IF DAMAGED, THE CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF THESE ITEMS AT NO ADDITIONAL COST TO THE OWNER.

**UNDERGROUND UTILITIES:**

- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL PUBLIC AND PRIVATE UTILITIES WHICH MAY BE AFFECTED BY THE CONSTRUCTION. THE LOCATION OF UTILITIES AND STRUCTURES, BOTH SURFACE AND SUBSURFACE, ARE SHOWN ON THE DRAWINGS FROM DATA AVAILABLE AT THE TIMES OF SURVEY AND ARE NOT NECESSARILY COMPLETE OR CORRECT. THE EXACT LOCATION AND PROTECTION OF UTILITIES AND STRUCTURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST THREE DAYS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO CONSTRUCTION TO HAVE UTILITIES STAKED, MARKED OR OTHERWISE DESIGNATED IN THE CONSTRUCTION AREA IN SUCH A MANNER OR LOCATING SHALL BE COORDINATED TO STAY 48 HOURS AHEAD OF THE PLANNED CONSTRUCTION.
- THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF THE UTILITY OR STRUCTURE AND ITS EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE UTILITY OWNER.
- OSHA STANDARDS PROHIBIT CRANE OR BACKHOE OPERATIONS WITHIN TEN (10) FEET OF ENERGIZED PRIMARY CONDUCTORS. TEMPORARY RELOCATION OF ELECTRICAL UTILITIES, INCLUDING RESTRAINT POLES, RELOCATION OF POLES AND RUBBER COVERING OF ENERGIZED CONDUCTORS MAY BE REQUIRED. THE COORDINATION AND COST OF THESE SERVICES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MAY RESTRAIN POLES IF THE METHOD OF SUPPORT HAS BEEN SUBMITTED TO AND APPROVED BY THE UTILITY OWNER.

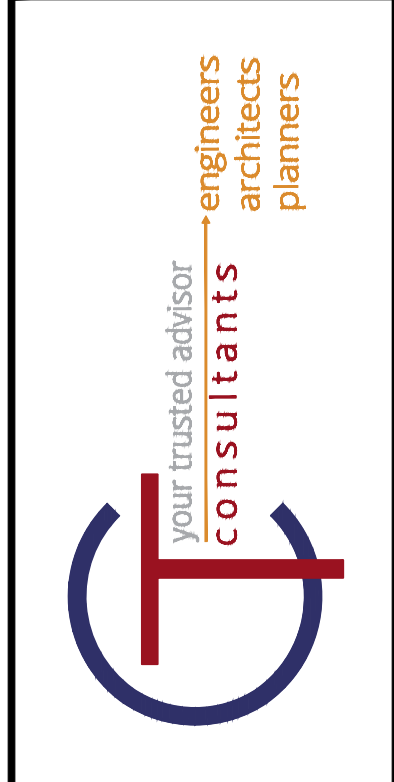
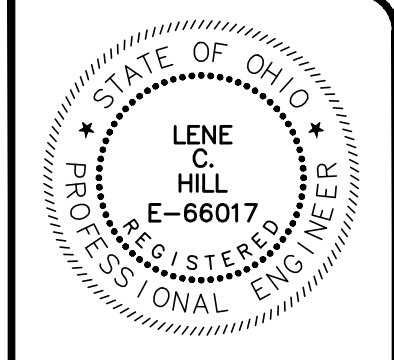
**PROHIBITED CONSTRUCTION ACTIVITIES:**

- 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 ON THE PLANS BY THE ENGINEER FOR SUCH PURPOSES.
- RUNNING WELL POINT OR PUMP DISCHARGE LINES THROUGH PRIVATE OR PUBLIC PROPERTY AND RIGHTS-OF-WAY WITHOUT PERMISSION OF THE PROPERTY OWNER AND THE CONSENT OF THE ENGINEER.
- OPERATION ENTAILING THE USE OF VIBRATORY HAMMERS OR COMPACTORS OUTSIDE THE HOURS OF 8:00 AM TO 5:00 PM OR OUTSIDE THE HOURS ALLOWED BY LOCAL ORDINANCES OR REGULATIONS.
- CLOSING OFF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE OR BOULEVARD WITHOUT THE PRIOR CONSENT OF MUNICIPAL OFFICIALS AND THE ENGINEER AND CLOSING CLEAR ACCESS:
  - BY FIRE PROTECTION EQUIPMENT AND EMERGENCY VEHICLES;
  - BY THE PUBLIC TO ANY COMMERCIAL OR PROFESSIONAL PLACE OF BUSINESS, QUASI-PUBLIC OR PUBLIC ESTABLISHMENT, OR PLACE OF RESIDENCE; OR
  - BY VEHICLES TO DRIVEWAYS WITHOUT THE PROVISION OF ALTERNATIVE MEANS OF BUILDING INGRESS AND EGRESS.

**NOISE CONTROL PRACTICES:**

- CONSTRUCTION ACTIVITIES WILL BE LIMITED TO WEEKDAY 8:00 AM TO 5:00 PM, UNLESS APPROVED IN ADVANCE BY THE OWNER AND THE ENGINEER.
- CONSTRUCTION EQUIPMENT WILL BE PROVIDED WITH INTAKE SILENCERS AND MUFFLERS, AS REQUIRED BY SAFETY STANDARDS.
- ALL CONSTRUCTION VEHICLES SHOULD BE EQUIPPED WITH PROPER EMISSIONS CONTROL EQUIPMENT.
- PERIODICALLY CHECK EQUIPMENT AND MACHINERY FOR PROPER TUNING TO MINIMIZE EXHAUST EMISSIONS AND NOISE.

INDEX OF SHEETS	
SHEET NUMBER	SHEET NAME
1	COVER SHEET
2	GENERAL NOTES
3	EXISTING CONDITIONS
4	DEMOLITION PLAN AND SWPPP
5-7	SWPPP NOTES AND DETAILS

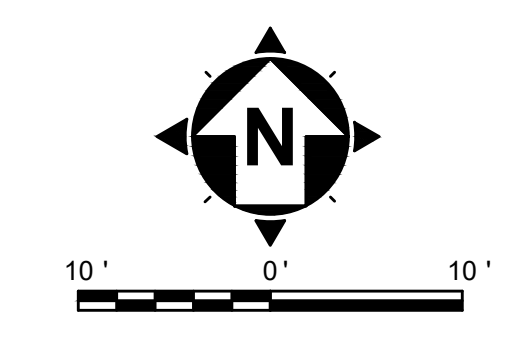


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SCALE: AS SHOWN	AS SHOWN			
DESIGNED BY: SNK	SNK			
DRAWN BY: SNK	SNK			
CHECKED BY: LCH	LCH			

**11600 CONCORD HAMBDEN RD  
BUILDING DEMOLITION  
CONCORD TOWNSHIP  
LAKE COUNTY, OH**

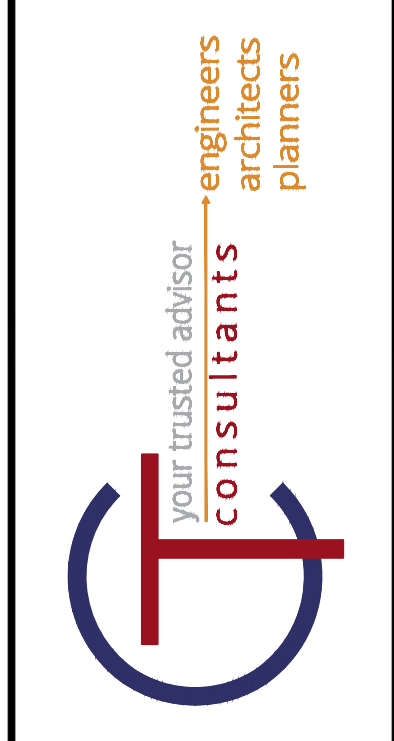
**GENERAL NOTES**

PROJECT NO.	241185
DISCIPLINE	CIVIL
SHEET NAME	GN
SHEET	OF
2	7



**EXISTING CONDITIONS NOTES**

1. THE EXISTING UTILITIES SHOWN ON THESE PLANS WERE OBTAINED FROM SITE VISIT OBSERVATION ONLY. ALTHOUGH GRAPHICALLY SHOWN FROM THE INFORMATION MADE AVAILABLE, THERE IS NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, OF THE COMPLETENESS, CORRECTNESS OR ACCURACY OF SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE EXISTENCE AS WELL AS THE ACTUAL LOCATION, ALIGNMENT, AND ELEVATIONS OF ALL EXISTING UTILITIES WITHIN AND ADJACENT TO THE GENERAL LIMITS OF THESE IMPROVEMENTS INCLUDING WATERLINES, SANITARY AND STORM SEWERS, GAS LINES, COMMUNICATION LINES/BANKS, ELECTRIC LINES, ETC. THIS MAY REQUIRE EXPLORATORY EXCAVATIONS TO BE PERFORMED BY THE CONTRACTOR FOR WHICH HE WILL NOT BE REIMBURSED. THE CONTRACTOR SHALL NOT ASSUME EXISTING UTILITIES WERE INSTALLED AT TYPICAL OR STANDARD DEPTHS OR AT UNIFORM SLOPES, GRADES OR DEPTHS BETWEEN ACCESS POINTS (CATCH BASINS, MANHOLES, JUNCTION CHAMBERS, ETC.)
3. THE CONTRACTOR SHALL CONFIRM OR LOCATE ALL UNDERGROUND UTILITIES WITHIN EXCAVATION LIMITS, WHETHER OR NOT SHOWN ON THE CONSTRUCTION PLANS OR FIELD MARKED BY OUPS, OGPUPS OR OTHER UTILITY MARKING SERVICE. THE CONTRACTOR SHALL DOCUMENT ANY UTILITY NOT SHOWN OR DIFFERING FROM THE CONSTRUCTION PLANS, AND PROVIDE THE INFORMATION TO THE OWNER SHOWING LOCATIONS WITH MEASUREMENTS TO REFERENCE POINTS. ANY RESULTING UTILITY CONFLICTS WITH PROPOSED IMPROVEMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER AND DESIGN ENGINEER.
4. PROPERTY LINES AND RIGHT-OF-WAY ARE BASED ON GIS INFORMATION AND SHOULD NOT BE USED TO DETERMINE LOCATION OF THE PROPERTY LINES IN THE FIELD.
5. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES ON SITE, COORDINATE WITH UTILITY COMPANIES TO TURN THEM OFF, AND CAP THEM AT THE RIGHT-OF-WAY.

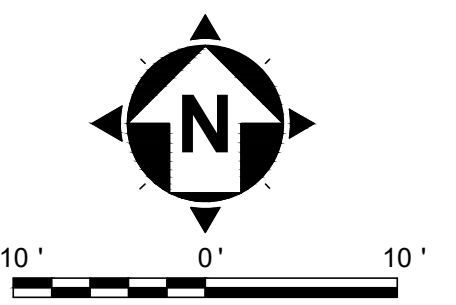


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ISSUE DATE: 09/12/2024	AS SHOWN			
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DESIGNED BY:	SNK			
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CHECKED BY:	LCH			

**11600 CONCORD HAMB DEN RD  
BUILDING DEMOLITION  
CONCORD TOWNSHIP  
LAKE COUNTY, OH**

**EXISTING CONDITIONS**

PROJECT NO.	241185
DISCIPLINE	CIVIL
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**DEMOLITION NOTES:**

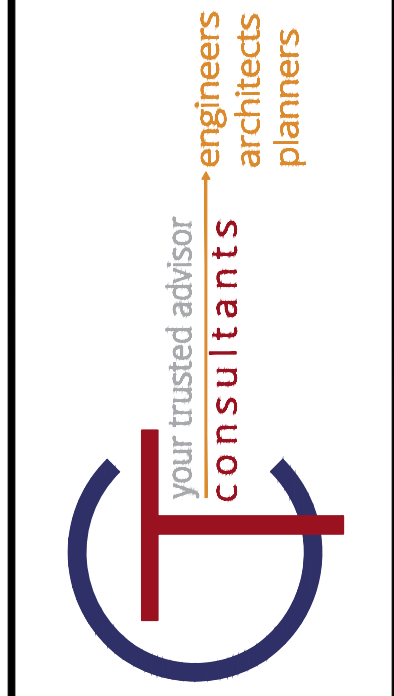
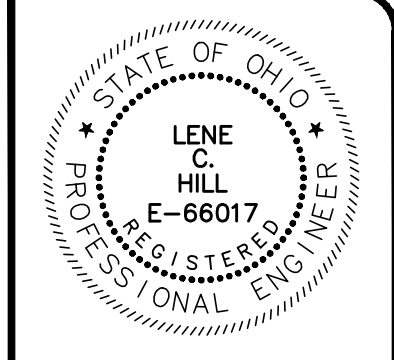
- 01 STRUCTURE TO BE DEMOLISHED, INCLUDING ALL ASSOCIATED FOUNDATIONS AND UTILITIES PER SPECIFICATIONS. FILL WITH ENGINEERED FILL PER SPECIFICATIONS. GRADE SLOPE TO MATCH SLOPE ON BOTH SIDES OF EX. BUILDING. MINIMUM 3:1 SLOPE. TOP WITH 6" OF TOPSOIL AND SEED PER SPECIFICATIONS.
- 02 CONC. DRIVE TO BE DEMOLISHED, INCLUDING SUBBASE AND CURBS. CUT AT JOINT. FILL WITH ENGINEERED FILL AS NEEDED. TOP WITH 6" OF TOPSOIL AND SEED PER SPECIFICATIONS.
- 03 CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES TO THE BUILDING, INCLUDING BUT NOT LIMITED TO NATURAL GAS, ELECTRICAL, WATER, STORM AND SANITARY SEWER. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR THE SHUT OFF. CAP ALL UNDERGROUND UTILITIES AT THE RW.
- 04 CONTRACTOR TO INSTALL SECURITY FENCE AROUND BUILDING AND MATERIAL LAY-DOWN AREA.
- 05 REMOVE CONCRETE STAIRS AND CONCRETE SIDEWALK/PATIO.
- 06 CONTRACTOR SHALL COORDINATE WITH THE ELECTRIC COMPANY FOR DISCONNECTING AND REMOVAL OF OVERHEAD WIRES TO THE BUILDING.
- 07 EXISTING PAVEMENT/SIDEWALK TO REMAIN.
- 08 WOODEN RETAINING WALL TO REMAIN.
- 09 POST WITH ELECTRICAL TO REMAIN.
- 10 PROTECT EXISTING INLET BASINS AND STORM SEWER.
- 11 ASPHALT PAVEMENT TO BE REMOVED.
- 12 ELECTRICAL POLE TO REMAIN.
- 13 CONC. PAD TO BE REMOVED.
- 14 WOODEN RETAINING WALL TO BE REMOVED WITHIN DISTURBANCE LIMITS.
- 15 ELECTRICAL TOWER TO BE REMOVED.

**SHEET CODED NOTES**

- (SDL) SOIL DISTURBANCE LIMIT
- (FSA) FUEL STORAGE & VEHICLE FUELING AREA
- (SA) SANITARY FACILITY
- (FS) FILTER SOCK
- (IP) STORM INLET PROTECTION; DANDY BAG

**NOTES**

1. CONTRACTOR SHALL ENSURE THAT THERE IS POSITIVE DRAINAGE ACROSS THE DISTURBED AREA AND THAT THE SITE DRAINS TO EXISTING CATCH BASINS.
2. CONTRACTOR WILL NEED TO PROVIDE WATER. THERE WILL BE NO ACCESS TO CITY WATER.



ISSUED FOR:	REVIEW	NO	REVISION	DATE
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**11600 CONCORD HAMB DEN RD  
BUILDING DEMOLITION  
CONCORD TOWNSHIP  
LAKE COUNTY, OH**

**DEMO AND SWPPP**

PROJECT NO.	241185
DISCIPLINE	CIVIL
SHEET NAME	SWPPP
SHEET	OF
4	7

**SITE INFORMATION**

PROJECT INFORMATION:  
11600 CONCORD HAMB DEN ROAD  
CONCORD TOWNSHIP, LAKE COUNTY, OHIO 44077  
LATITUDE: 41.673959 LONGITUDE: -81.222682

DEVELOPER:  
LAKE COUNTY LAND REUTILIZATION CORPORATION  
8 NORTH STATE STREET, SUITE 215  
PAINESVILLE, OH 44077

OWNER INFORMATION:  
CONCORD TOWNSHIP BOARD OF TRUSTEES  
7229 RAVENNA ROAD  
CONCORD TOWNSHIP, OH 44077

SITE-CIVIL ENGINEER INFORMATION:  
CT CONSULTANTS, INC.  
8150 STERLING COURT  
MENTOR, OHIO 44060  
CONTACT: LENE HILL, PE  
PHONE: 440-530-2212  
EMAIL: LHILL@CTCONSULTANTS.COM

TYPE OF CONSTRUCTION:  
DEMOLITION

TYPE OF PROJECT:  
( ) RETAIL ( ) COMMUNITY ( ) MIXED USE  
( ) OFFICE ( ) RECREATION ( ) RESIDENTIAL  
( ) MEDICAL (X) PUBLIC SAFETY ( ) RESTAURANT  
( ) UTILITY ( ) EDUCATION ( ) APARTMENT  
( ) ROAD ( ) INDUSTRIAL ( ) MANUFACTURING

DESCRIPTION OF PROJECT:  
DEMOLISH EXISTING BUILDING, PAVEMENT, SIDEWALK/PATIO, CONCRETE FOUNDATIONS, ELECTRICAL TOWER/POLES, AND UTILITIES. SEED AND SOD PER SPECIFICATIONS IN DISTURBED AREAS.

SOIL DISTURBING ACTIVITIES INCLUDE:  
EROSION AND SEDIMENT CONTROL INSTALLATION; REMOVAL OF TREES, VEGETATION, TOPSOIL, BUILDING FOUNDATIONS, UTILITIES AND SOIL BENEATH PAVEMENT SUBBASE; EARTHWORK GRADING.

DESCRIPTION OF PRIOR LAND USE:  
BUILDING WITH CONCRETE STAIRS/FOUNDATIONS, PARKING AREAS, AND UTILITIES.

SITE AREA INFORMATION:  
TOTAL PROPERTY AREA: 14.764 AC.  
PROJECT LIMIT/CONSTRUCTION AREA: 0.1606 AC.  
AREA OF SOIL DISTURBANCE: 0.1606 AC.  
EXISTING IMPERVIOUS AREA: 0.1213 AC.  
PROPOSED IMPERVIOUS AREA: 0.0000 AC.  
INCREASE/DECREASE OF IMPERVIOUS AREA: -100.00 %

NAME OF RECEIVING STREAM, SURFACE WATER OR MS4:  
JORDAN CREEK, TO BIG CREEK, TO GRAND RIVER, TO LAKE ERIE

QUALITY OF STORM WATER DISCHARGE FROM SITE:  
UNKNOWN

ESTIMATED CONSTRUCTION START DATE: 10/01/2024  
ESTIMATED CONSTRUCTION COMPLETION DATE: 06/01/2025

**GENERAL NOTES**

- THE CONTRACTOR SHALL REVIEW AND FOLLOW THE PRACTICES AND REQUIREMENTS PROVIDED IN THE CURRENT, ACTIVE OHIO EPA NPDES PERMIT.
- THIS SWP3 HAS BEEN PREPARED SHOWING THE ITEMS LISTED BELOW, BUT THE CONTRACTOR MAY NEED TO MOVE OR ADD ITEMS AS CONSTRUCTION PROGRESSES OR DURING THE VARIOUS STAGES OF CONSTRUCTION.
  - LIMITS OF EARTH DISTURBING ACTIVITY
  - CONSTRUCTION ENTRANCE(S)
  - EROSION AND SEDIMENT CONTROL MEASURES
  - INLET PROTECTIONS
  - EQUIPMENT STAGING
  - FUEL STORAGE AND VEHICLE FUELING AREA
  - CONSTRUCTION TRAILER(S)
  - SANITATION FACILITY
  - MATERIAL STOCKPILE LOCATION(S)
  - CHEMICAL COMPOUND MIXING AND STORAGE AREA
  - ANY OTHER EROSION CONTROL REQUIRED
- ALL WORK REQUIRED TO IMPLEMENT THE SW3P INCLUDING INSPECTION FEES, MAINTENANCE AND REPAIRS SHALL BE DONE BY AND AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL AMEND THE SW3P WHEN THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE THAT REQUIRES INSTALLATION OF BMPs OR MODIFICATION TO EXISTING BMPs.
- ADDITIONAL OR DIFFERENT BMPs MAY BE NEEDED AS CONSTRUCTION PROGRESSES OR AS REQUIRED BY THE OWNER, SWCD OR OHIO EPA.
- PHASE CONSTRUCTION ACTIVITIES TO MINIMIZE LAND DISTURBED AT ANY ONE TIME AND LEAVE EXISTING VEGETATION IN PLACE AS LONG AS POSSIBLE.

**ADMINISTRATIVE NOTES**

- AN OHIO EPA NPDES PERMIT IS REQUIRED WHERE CONSTRUCTION ACTIVITIES DISTURB 1 OR MORE ACRES OF LAND, OR SMALLER SITES LESS THAN 1 ACRE THAT ARE PART OF A LARGER COMMON DEVELOPMENT. DISTURBED LAND IS LAND IN WHICH VEGETATION HAS BEEN CLEARED AND SOILS ARE EXPOSED TO STORM WATER. A NOI IS REQUIRED FOR THIS PROJECT AND MUST BE FILED WITH THE OHIO EPA AT LEAST 21 DAYS PRIOR TO THE START OF CONSTRUCTION BECAUSE THE TOTAL LAND DISTURBANCE IS GREATER THAN 1 ACRE.
- THE CONTRACTOR SHALL FOLLOW THE PRACTICES AND REQUIREMENTS PROVIDED IN THE OHIO EPA NPDES CONSTRUCTION SITE STORMWATER GENERAL PERMIT OHC000005 AND THE ODNR RAINWATER AND LAND DEVELOPMENT MANUAL, AND BE RESPONSIBLE FOR ALL NPDES TERMS AND CONDITIONS UNTIL A NOT IS FILED.
- NO CONSTRUCTION ACTIVITIES MAY BEGIN UNTIL ALL OF THE FOLLOWING OCCUR:
  - OHIO EPA NPDES AUTHORIZATION LETTER RECEIVED
  - THE CONTRACTOR FILES A CO-PERMITTEE APPLICATION TO THE OHIO EPA
  - THE CONTRACTOR ATTENDS A PRE-CONSTRUCTION MEETING WITH THE SWCD TO DISCUSS OHIO EPA NPDES PERMIT REQUIREMENTS
- OHIO EPA APPLICATION FORMS (I.E. NOI, NOT, CO-PERMITTEE NOI/NOT, INDIVIDUAL LOT NOI/NOT AND PERMIT TRANSFER) ARE ONLY ACCESSIBLE ELECTRONICALLY VIA THE OHIO EPA STREAMS APPLICATION SUBMITTAL SYSTEM USING AN INDIVIDUAL EBUSINESS CENTER ACCOUNT. VISIT THE OHIO EPA'S ELECTRONIC BUSINESS SERVICES WEBSITE FOR MORE INFORMATION, GUIDANCE AND REPORTING QUESTIONS.
- THE CONTRACTOR SHALL SELECT INDIVIDUALS TO BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND COMPLETING INSPECTION AND MAINTENANCE REPORTS. THE CONTRACTOR SHALL COMPLETE A "DELEGATION OF AUTHORITY FOR STORMWATER POLLUTION PREVENTION PLAN" AND PROVIDE A COPY TO THE OWNER AND SWCD.
- ALL PROCEDURES AND REQUIREMENTS CONTAINED IN THIS SW3P APPLY TO ALL GENERAL AND SUBCONTRACTORS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT, INFORM, REQUIRE AND ENFORCE ALL ASPECTS AND PROCEDURES OF THE SW3P. THE CONTRACTOR SHALL HAVE ALL SUBCONTRACTORS THAT ARE OR MAY BE ENGAGED IN ACTIVITIES THAT COULD IMPACT STORMWATER COMPLETE A "SUBCONTRACTOR AGREEMENT FOR EROSION AND SEDIMENT CONTROL", AND PROVIDE A COPY TO THE OWNER AND SWCD. EACH CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ALL FINES, DAMAGES AND LIABILITY RESULTING FROM FAILURE TO PROVIDE THE REQUIRED POLLUTION CONTROL.
- THE CONTRACTOR SHALL KEEP ON-SITE COPIES OF THE NOI, NPDES, SW3P AND INSPECTION LOGS/REPORTS.
- ALL EROSION AND SEDIMENT CONTROL WORK SHALL BE SUBJECT TO INSPECTION BY THE SWCD AND OHIO EPA.

**EROSION CONTROL NOTES**

- SPECIAL MEASURES SHALL BE TAKEN TO STABILIZE DRAINAGE CHANNELS AND STORM WATER OUTFALLS.
- DIVERT SURFACE RUNOFF AWAY FROM DISTURBED AREAS AND STEEP SLOPES WHEREVER PRACTICABLE.
- STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN THE TIME FRAMES IN THE FOLLOWING TABLES:

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY CONTROLS
AREA WITHIN 50 FEET OF A SURFACE WATER, NOT AT FINAL GRADE AND TO REMAIN IDLE MORE THAN 14 DAYS	WITHIN 2 DAYS OF MOST RECENT DISTURBANCE
ANY OTHER AREA TO BE DORMANT MORE THAN 14 DAYS, BUT LESS THAN 1 YEAR	WITHIN 7 DAYS OF MOST RECENT DISTURBANCE
AREA TO REMAIN IDLE OVER WINTER	PRIOR TO ONSET OF WINTER WEATHER
AREA TO BE PAVED	STABILIZE WITH STONE SUBBASE UNTIL PAVED

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY CONTROLS
AREA TO BE DORMANT FOR 1 YEAR OR MORE	WITHIN 7 DAYS OF MOST RECENT DISTURBANCE
AREA WITHIN 50 FEET OF A SURFACE WATER AND AT FINAL GRADE	WITHIN 2 DAYS OF REACHING FINAL GRADE
ANY OTHER AREA AT FINAL GRADE	WITHIN 7 DAYS OF REACHING FINAL GRADE

**SEDIMENT CONTROL NOTES**

- INLET PROTECTION AND SEDIMENT BARRIERS MUST BE INSTALLED PRIOR TO CLEARING AND GRUBBING.
- SEDIMENT PONDS, TEMPORARILY MODIFIED PERMANENT PONDS AND PERIMETER SEDIMENT BARRIERS MUST BE INSTALLED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF CLEARING AND GRUBBING, AND CONTINUE TO FUNCTION UNTIL ALL DISTURBED UPLAND AREAS ARE STABILIZED.
- SEDIMENT CONTROLS MUST POND RUNOFF TO BE CONSIDERED FUNCTIONAL.
- SEDIMENT-LADEN TRENCH OR GROUND WATER MUST PASS THROUGH A SEDIMENT-SETTLING POND OR BE DEWATERED IN-PLACE USING A SUMP PIT, FILTER BAG OR OTHER COMPARABLE METHOD, PRIOR TO DISCHARGE FROM THE SITE.
- TRENCH AND GROUND WATER FREE FROM SEDIMENT OR OTHER POLLUTANTS MAY BE DISCHARGED WITHOUT TREATMENT, PROVIDED THIS WATER DOES NOT BECOME POLLUTANT-LADEN BY TRAVERSING OVER DISTURBED SOILS OR OTHER POLLUTANT SOURCES.
- SETTLED MATERIAL SHALL BE DISPOSED OF IN A STABILIZED LOCATION WHERE IT WILL NOT BE CARRIED OFF-SITE OR INTO A STORM SEWER BY RAINFALL.

**OTHER WASTE CONTROL NOTES**

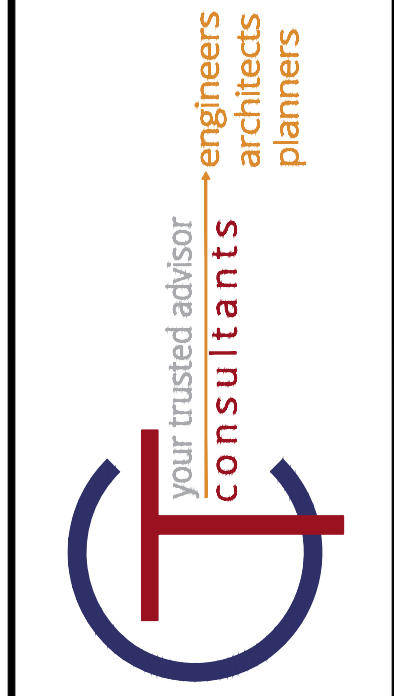
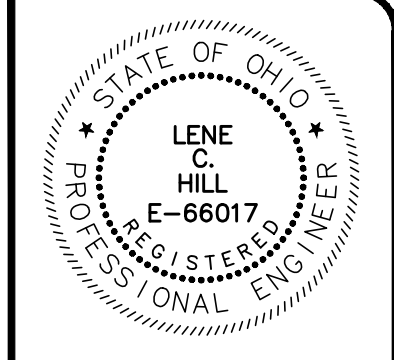
- SOIL STOCKPILES SHALL BE RINGED WITH SILT FENCE ALONG THE BOTTOM FOOTPRINT. IF THE STOCKPILE WILL BE INACTIVE FOR 14 DAYS OR MORE, THE SURFACE SHALL BE SEEDED OR STABILIZED WITHIN 7 DAYS OF LAST DISTURBANCE.
- CONCRETE TRUCKS ARE NOT PERMITTED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONTO THE GROUND OR INTO STORM INLETS, DITCHES, STREAMS, WETLANDS OR ANY OTHER SURFACE WATERS. ALL EXCESS CONCRETE AND CONCRETE WASHOUT, INCLUDING FROM HAND MIXERS AND LIGHT EQUIPMENT, MUST BE DISPOSED OF IN A CONCRETE WASHOUT AREA TO COLLECT AND HARDEN.
- OFF-SITE TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES MUST BE MINIMIZED. THE CONTRACTOR SHALL SWEEP ALL ADJACENT ROADS TO REMOVE MUD, DIRT OR ROCK TRACKED FROM THE SITE AT THE END OF EACH WORK DAY OR AS REQUIRED DURING THE DAY. DUMP TRUCKS HAULING MATERIAL FROM THE SITE SHALL BE COVERED WITH A TARPULIN.
- IT IS PROHIBITED TO BURN, BURY OR POUR ONTO THE GROUND OR INTO STORM INLETS, DITCHES, STREAMS, WETLANDS OR ANY OTHER SURFACE WATERS SOLID OR LIQUID WASTE INCLUDING TRASH, CONSTRUCTION DEBRIS, SOLVENTS, PAINT, DIESEL FUEL, GASOLINE, MOTOR OIL, HYDRAULIC FLUID, CEMENT CURING COMPOUND, ANTIFREEZE OR OTHER TOXIC OR HAZARDOUS WASTE. WASTE MATERIALS SHALL BE COLLECTED IN A SECURELY LIDDED DUMPSTER, DISPOSED OF IN AN APPROVED LANDFILL AND EMPTIED AS NECESSARY.
- FUEL TANKS, DRUMS AND OTHER CONTAINERS HOLDING CHEMICALS MUST BE STORED WITHIN A DIKED AREA WITH A VOLUME OF AT LEAST 110% OF THE LARGEST TANK. A DIKED AREA IS NOT NECESSARY IF A SELF-CONTAINED SPILL PROOF TANK IS USED.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY SANITARY FACILITIES AT THE SITE. SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS 1 TIME PER WEEK, OR MORE OFTEN IF NECESSARY.
- ANY TOXIC OR HAZARDOUS MATERIAL SPILL, REGARDLESS OF SIZE, MUST BE REPORTED WITHIN 30 MINUTES TO THE LOCAL FIRE DEPARTMENT AND OHIO EPA.
- CONTAMINATED SOIL, SOIL WHERE CONSTRUCTION CHEMICALS HAVE BEEN SPILLED OR HAZARDOUS WASTE MATERIALS MUST BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
- STORM WATER THAT COMES IN CONTACT WITH CONTAMINATED SOIL OR HAS A VISIBLE SHEEN MUST BE COLLECTED BY A VACUUM TRUCK AND DISPOSED OF AS A WASTE WATER.

**TMDLS AND BMPs SELECTED**

TEMPORARY SEDIMENT CONTROL:  
( ) SEDIMENT BASIN ( ) SEDIMENT TRAP  
( ) SILT FENCE (X) INLET PROTECTION  
(X) FILTER SOCK ( ) FILTER BERM

**SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES**

- INSTALL FILTER SOCK AND CONSTRUCTION ENTRANCE.
- INSTALL OTHER TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS AS SOON AS POSSIBLE, BUT NO LATER THAN 7 DAYS AFTER FIRST SOIL DISTURBANCE. INSPECT AND MAINTAIN BMPs FOR THE PROJECT DURATION UNTIL UPSLOPE AREAS ARE PERMANENTLY STABILIZED.
- BEGIN SITE DEMOLITION.
- APPLY PERMANENT SEED.
- CONTINUE INSPECTIONS, MAINTENANCE, RECORD KEEPING, AND SITE POSTING UNTIL FINAL STABILIZATION ACHIEVED.
- DISPOSE OF ALL DEBRIS AND WASTE MATERIAL.



ISSUED FOR:	REVIEW	NO	REVISION	DATE
ISSUE DATE: 09/12/2024	AS SHOWN			
SCALE:	SNK			
DESIGNED BY:	SNK			
DRAWN BY:	SNK			
CHECKED BY:	LCH			

**11600 CONCORD HAMB DEN RD  
BUILDING DEMOLITION  
CONCORD TOWNSHIP  
LAKE COUNTY, OH**

**SWPPP NOTES**

PROJECT NO. <b>241185</b>
DISCIPLINE <b>CIVIL</b>
SHEET NAME <b>NOTES</b>
SHEET <b>5</b> OF <b>7</b>

**DELEGATION OF AUTHORITY FOR EROSION AND SEDIMENT CONTROL**

PROJECT NAME: \_\_\_\_\_  
PROJECT ADDRESS: \_\_\_\_\_

I, \_\_\_\_\_, HEREBY DESIGNATE THE PERSON OR DESCRIBED POSITION BELOW TO BE A DULY AUTHORIZED REPRESENTATIVE FOR THE PURPOSE OF OVERSEEING COMPLIANCE WITH ENVIRONMENTAL REQUIREMENTS, INCLUDING THE OHIO EPA NPDES CONSTRUCTION GENERAL PERMIT, AT THE DESIGNATED PROJECT. THE DESIGNEE IS AUTHORIZED TO SIGN REPORTS, STORM WATER POLLUTION PREVENTION PLANS (SWP3) AND OTHER DOCUMENTS AS REQUIRED BY THE NPDES PERMIT.

NAME OF QUALIFIED PERSON AND/OR POSITION \_\_\_\_\_  
COMPANY NAME \_\_\_\_\_ PHONE NO. \_\_\_\_\_  
STREET ADDRESS \_\_\_\_\_

BY SIGNING THIS AUTHORIZATION, I CERTIFY UNDER THE PENALTY OF LAW THAT ALL REQUIRED DOCUMENTS WILL BE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON(S) WHO MANAGES THE SYSTEM OR IS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION TO BE SUBMITTED WILL BE, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SUBSTANTIAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

COMPANY NAME \_\_\_\_\_ PHONE NO. \_\_\_\_\_  
STREET ADDRESS \_\_\_\_\_  
PRINT NAME AND TITLE \_\_\_\_\_  
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**SUBCONTRACTOR AGREEMENT FOR EROSION AND SEDIMENT CONTROL**

PROJECT NAME: \_\_\_\_\_  
PROJECT ADDRESS: \_\_\_\_\_

BY SIGNING THIS AGREEMENT, I CERTIFY UNDER THE PENALTY OF LAW THAT I HAVE READ AND UNDERSTAND THE TERMS AND CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) FOR THE DESIGNATED PROJECT AND AGREE TO FOLLOW THE PRACTICES DESCRIBED. AS A SUBCONTRACTOR, I AM REQUIRED TO COMPLY WITH THE SWP3 FOR ANY WORK I PERFORM AT THE PROJECT. IT IS MY RESPONSIBILITY TO OBTAIN A COPY OF THE SWP3 FROM THE CONTRACTOR AND TO ADVISE MY EMPLOYEES WORKING ON THIS PROJECT OF THE REQUIREMENTS. I AM AWARE THERE ARE SUBSTANTIAL PENALTIES OR LOSS OF CONTRACT FOR VIOLATING ANY CONDITION OF THE SWP3, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

COMPANY NAME \_\_\_\_\_ PHONE NO. \_\_\_\_\_  
STREET ADDRESS \_\_\_\_\_

PRINT NAME AND TITLE \_\_\_\_\_  
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DESCRIPTION OF CONSTRUCTION SERVICE(S) I AM TO PROVIDE:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**FINAL CERTIFICATION AND NOTIFICATION FOR EROSION AND SEDIMENT CONTROL**

PROJECT NAME: \_\_\_\_\_  
PROJECT ADDRESS: \_\_\_\_\_

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED FOR THE DESIGNATED PROJECT. BASED ON MY INQUIRY OF THE PERSON(S) WHO MANAGED THE SYSTEM OR DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SUBSTANTIAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

COMPANY NAME \_\_\_\_\_ PHONE NO. \_\_\_\_\_  
STREET ADDRESS \_\_\_\_\_

PRINT NAME AND TITLE \_\_\_\_\_  
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**SOIL TYPES**

NAME	DESCRIPTION
MhB	MAHONING SILT LOAM, SHALE SUBSTRATUM, 2 TO 6 PERCENT SLOPES

**GRADING AND STABILIZATION ACTIVITY LOG**

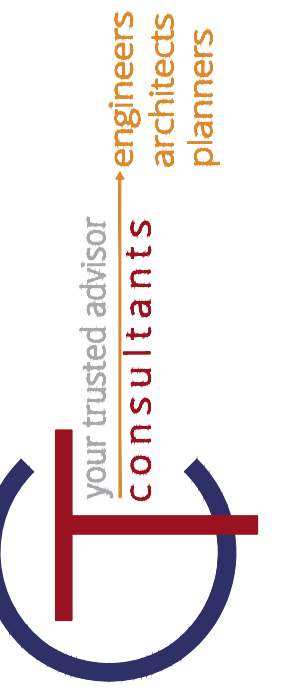
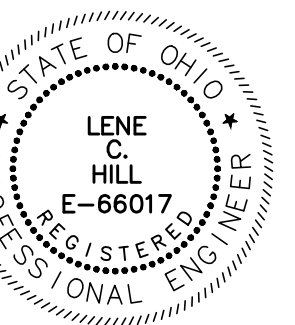
PROJECT NAME: \_\_\_\_\_ SHEET NO.: \_\_\_\_\_  
PROJECT ADDRESS: \_\_\_\_\_

DATE GRADING ACTIVITY INITIATED	DESCRIPTION OF GRADING ACTIVITY	DATE GRADING ACTIVITY CEASED	STABILIZATION MEASURE INITIATED		DESCRIPTION OF STABILIZATION MEASURE AND LOCATION (ATTACH SKETCH IF NECESSARY)
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**EROSION AND SEDIMENT CONTROL AMENDMENT LOG**

PROJECT NAME: \_\_\_\_\_ SHEET NO.: \_\_\_\_\_  
PROJECT ADDRESS: \_\_\_\_\_

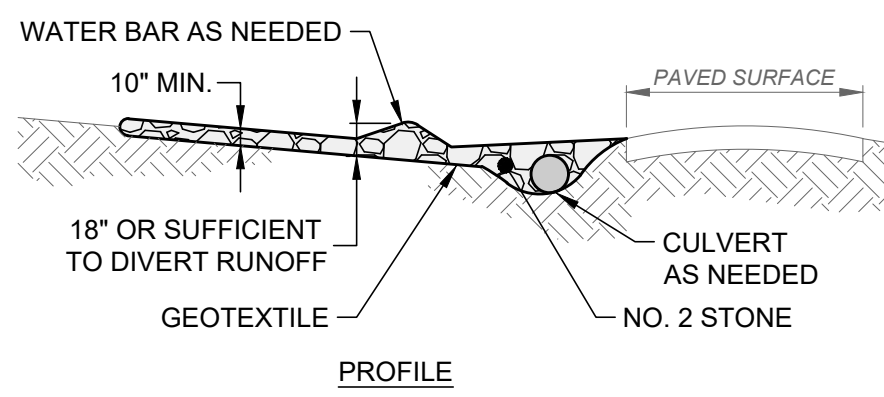
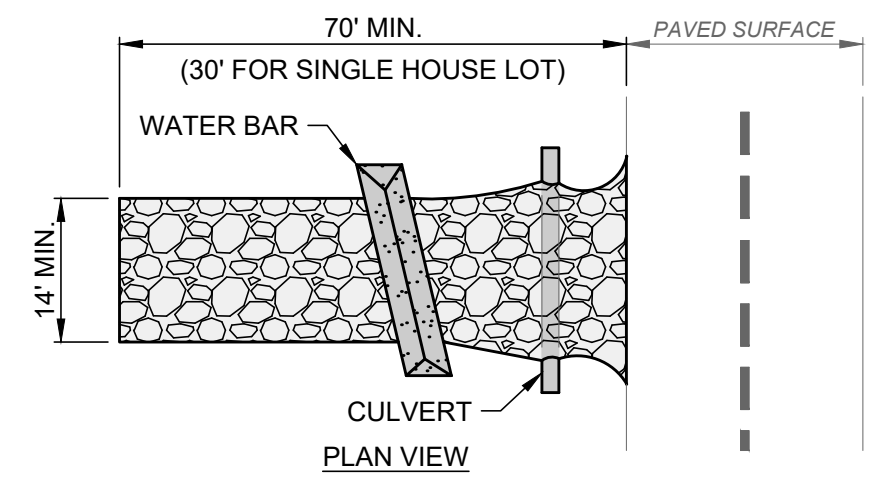
AMENDMENT NO.	DATE OF AMENDMENT	DESCRIPTION OF AMENDMENT	DESCRIPTION OF STABILIZATION MEASURE AND LOCATION (ATTACH SKETCH IF NECESSARY)



ISSUED FOR:	REVIEW	NO	REVISION	DATE
ISSUE DATE: 09/12/2024	AS SHOWN			
SCALE:	DESIGNED BY: SNK			
	DRAWN BY: SNK			
	CHECKED BY: LCH			

**11600 CONCORD HAMBDEN RD  
BUILDING DEMOLITION  
CONCORD TOWNSHIP  
LAKE COUNTY, OH**

PROJECT NO. <b>241185</b>
DISCIPLINE <b>CIVIL</b>
SHEET NAME <b>NOTES</b>
SHEET <b>6</b> OF <b>7</b>

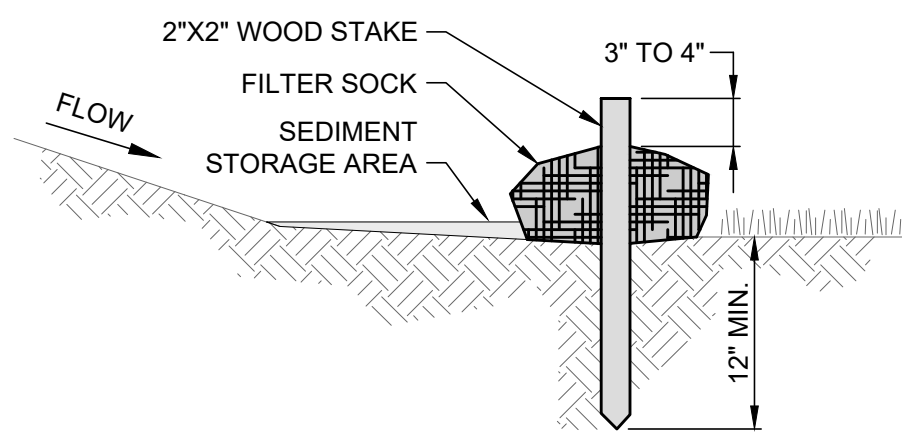


**NOTES:**

- GEOTEXTILE SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS MEETING THE FOLLOWING:
 

TENSILE STRENGTH	200 LB
PUNCTURE STRENGTH	80 PSI
TEAR STRENGTH	50 LB
BURST STRENGTH	320 PSI
ELONGATION	20%
EQUIVALENT OPENING SIZE	< 0.6 MM
PERMITTIVITY	0.001 CM/SEC.
- INSTALL WATER BAR, AS NEEDED, TO PREVENT SURFACE RUNOFF FROM FLOWING OUT ONTO PAVEMENT.
- APPLY ADDITIONAL STONE AS CONDITIONS DEMAND, REPLENISH STONE WHEN THE DEPTH IS LESS THAN 6", AND REPLACE IF STONES BECOMES MUD-LADEN.
- IMMEDIATELY REMOVE MUD DROPPED, WASHED OR TRACKED ONTO ROADS OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS BY SCRAPING OR SWEEPING.
- CONSTRUCTION ENTRANCE SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES OR PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
- CONSTRUCTION ENTRANCE SHALL REMAIN UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY.

**CONSTRUCTION ENTRANCE DETAIL**  
SCALE: NONE

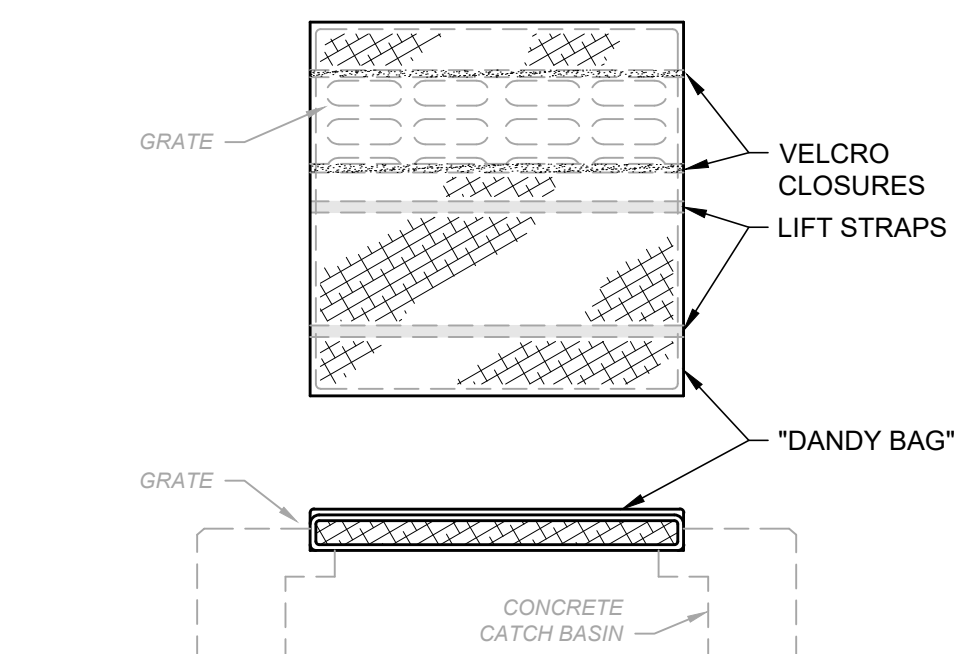
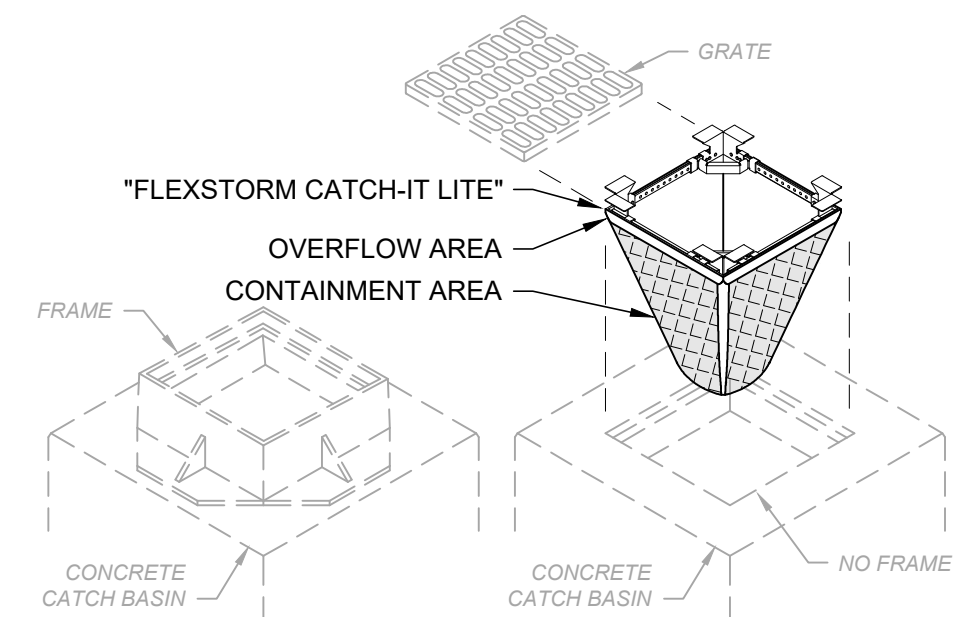
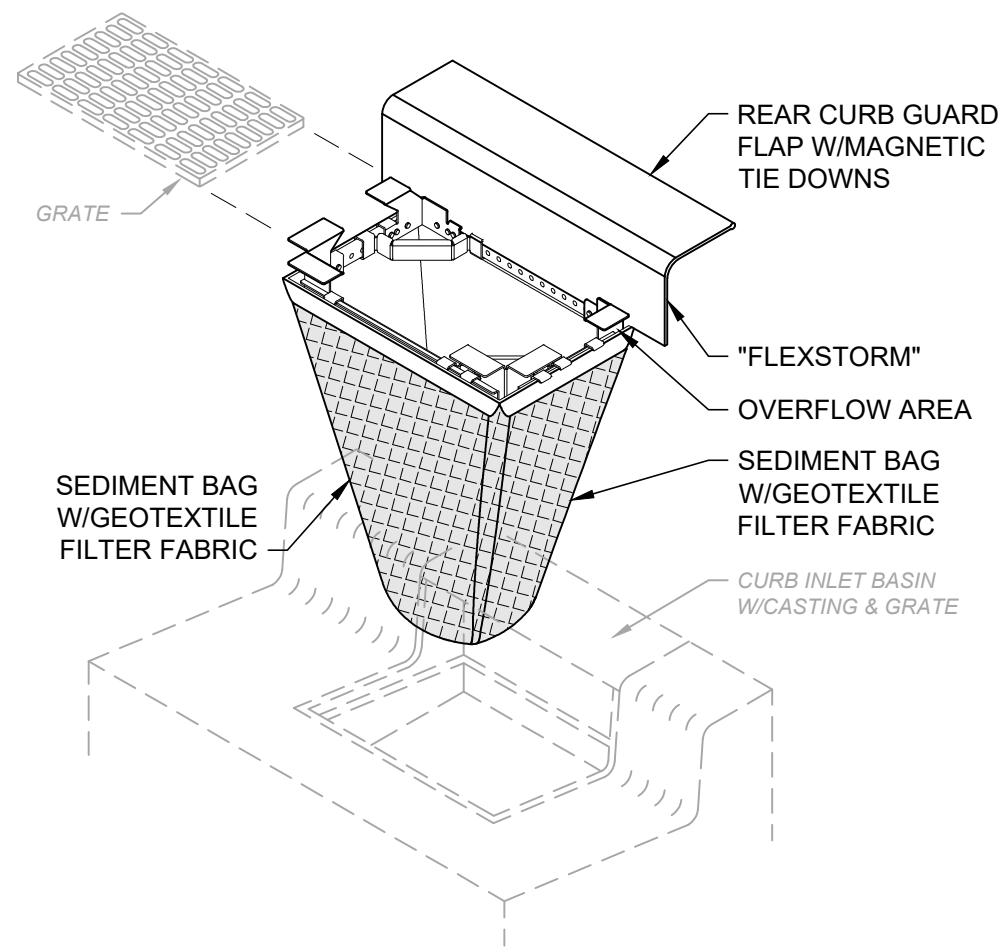
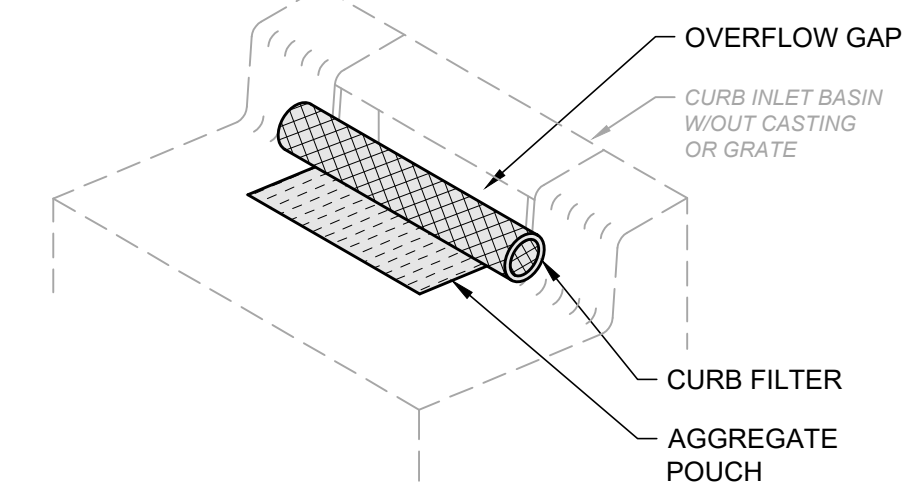
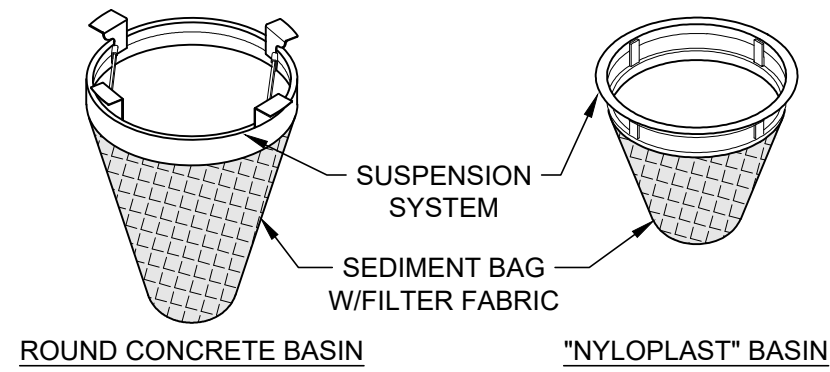


**NOTES:**

- FILTER SOCKS SHALL BE 3 OR 5 MIL CONTINUOUS, TUBULAR, HDPE 3/8" KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST.
- COMPOST SHALL BE WEED, PATHOGEN AND INSECT FREE, FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH, BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER, AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".
- FILTER SOCKS SHALL BE PLACED ON A LEVEL LINE ACROSS SLOPES PARALLEL TO THE BASE OF THE SLOPE. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND MID-SLOPE.
- FILTER SOCKS SHALL BE PLACED AT LEAST 5' FROM THE TOE OF SLOPE FOR SEDIMENT DEPOSIT.
- BUILT UP SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED 1/3 THE FILTER SOCK HEIGHT.
- WHEN A FILTER SOCK IS NO LONGER REQUIRED, IT SHALL BE DISPERSED ON-SITE.
- THE MAXIMUM DRAINAGE AREA PER 100 FEET OF FILTER SOCK IS 1/2 ACRE AND IS DEPENDENT ON THE SLOPE FOLLOWING THE GUIDANCE CHART BELOW:

MAX. SLOPE LENGTH ABOVE FILTER SOCK					
SLOPE	RATIO (H:V)	8'	12'	18'	24'
0% - 2%	0 - 50:1	125'	250'	300'	350'
2% - 10%	50:1 - 10:1	100'	125'	200'	250'
10% - 20%	10:1 - 5:1	75'	100'	150'	200'
20% - 50%	5:1 - 2:1	N/A	50'	75'	100'
≥ 50%	≥ 2:1	N/A	25'	50'	75'

**FILTER SOCK DETAIL**  
SCALE: NONE



**NOTES:**

- ALL NEW AND EXISTING STORM INLET BASINS WITHIN THE WORK LIMITS SHALL HAVE INLET PROTECTION INSTALLED.
- INLET PROTECTION SHALL BE INSTALLED AS EACH STORM INLET IS CONSTRUCTED.
- NOT ALL ITEMS SHOWN MAY APPLY OR DIFFERENT TYPES OR CONFIGURATIONS MAY BE REQUIRED. THE CONTRACTOR SHALL MEASURE EACH INLET TO CONFIGURE AND ASSEMBLE CUSTOMIZED INLET FILTERS.

**INLET PROTECTION DETAIL**  
SCALE: NONE

- MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
  - UNROTTED SMALL GRAIN STRAW SPREAD UNIFORMLY AT 2 TONS/AC. (2 TO 3 BALES).
  - WOOD-CELLULOSE FIBER (I.E. HYDROSEEDING) APPLIED AT 1 TON/AC.
  - ROLLED EROSION CONTROL PRODUCT OR MULCH MATTING APPLIED PER MANUFACTURER RECOMMENDATION.
  - WOOD MULCH OR CHIPS APPLIED AT 6 TONS/AC.
- MULCH SHALL BE ANCHORED IMMEDIATELY BY ONE OF THE FOLLOWING METHODS:
  - PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL USING A DISK, CRIMPER OR SIMILAR TOOL.
  - NETTING PER MANUFACTURER RECOMMENDATION IN CONCENTRATED RUNOFF AREAS OR CRITICAL SLOPES.
  - SYNTHETIC BINDERS AT MANUFACTURER RATE.
  - WOOD-CELLULOSE FIBER BINDER AT A NET DRY WEIGHT OF 750 LB/AC., MIXED WITH WATER, AND CONTAIN 50 LB/100 GAL. MAX. OF WOOD CELLULOSE FIBER.

**MULCHING NOTES**

- SUBSOILING SHALL OCCUR WHEN SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING IS NOT PERMITTED ON SLIP-PRONE AREAS.
- THE SEED BED SHALL BE PREPARED BY APPLYING AGRICULTURAL GROUND LIMESTONE OR FERTILIZER AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC. OR FERTILIZER AT 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS. LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL TO A DEPTH OF 3".
- APPLY SEED UNIFORMLY ON FIRM, MOIST SEED BED BETWEEN MARCH 1 AND MAY 31 OR AUGUST 1 AND SEPTEMBER 30. TILLAGE FOR SEEDBED PREPARATION SHALL OCCUR WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. SEEDING SHOULD NOT BE APPLIED BETWEEN OCTOBER 1 AND NOVEMBER 20 BECAUSE SEEDS MAY GERMINATE, BUT WILL NOT SURVIVE THE WINTER. IF SEEDING MUST OCCUR, INCREASE THE SEEDING RATE BY 50% AND ANCHOR. APPLY ADDITIONAL MULCH AND IRRIGATION AS REQUIRED TO ENSURE GERMINATION.
- MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING.
- SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS.
- SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF SEEDING. DURING THIS PERIOD INSPECT FOR SOIL EROSION OR VEGETATION LOSS AND REPAIR BARE OR SPARSE AREAS, FILL GULLIES, RE-FERTILIZE, RE-SEED AND RE-MULCH AS NEEDED.
- ADEQUATE PERMANENT VEGETATION SHALL BE GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE BASED ON VISUAL INSPECTION.

PERMANENT SEEDING FERTILIZATION AND MOWING CHART				
MIXTURE	FORMULA	LB/ AC.	TIME	MOW
CREeping RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	10-10-10	500	FALL, YEARLY, OR AS NEEDED	≥3"
TALL FESCUE	10-10-10	500		≥4"
TURF-TYPE FESCUE	10-10-10	500		
CROWN VETCH FESCUE	0-20-20	400	SPRING, AND YEARLY AFTER ESTABLISHED	DO NOT MOW
FLAT PEA FESCUE	0-20-20	400		

PERMANENT SEEDING SPECIES SELECTION		
SEED MIX	SEED RATE LB/AC.	NOTES:
GENERAL USE		
CREeping RED FESCUE	20 - 40	FOR CLOSE MOWING AND WATERWAYS WITH ≤2.0 FT./SEC. VELOCITY
DOMESTIC RYEGRASS	10 - 20	
KENTUCKY BLUEGRASS	20 - 40	
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE	90	
STEEP BANKS OR CUT SLOPES		
TALL FESCUE	40 - 50	
CROWN VETCH	10 - 20	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20 - 30	
FLAT PEA	20 - 25	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20 - 30	
ROAD DITCHES AND SWALES		
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE	90	
KENTUCKY BLUEGRASS	100 - 120	
PERENNIAL RYEGRASS	100 - 120	
LAWN		
KENTUCKY BLUEGRASS	100 - 120	FOR SHADED AREAS
PERENNIAL RYEGRASS	100 - 120	

**PERMANENT SEEDING NOTES**

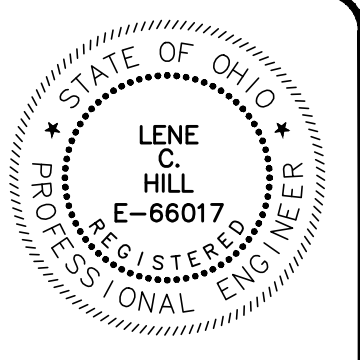
- THE SEED BED SHALL BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION.
- SOIL AMENDMENTS MAY BE REQUIRED TO ESTABLISH VEGETATION. PERFORM SOIL TESTS TO PREDICT THE NEED FOR LIME OR FERTILIZER. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC. OR FERTILIZER AT 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS
- APPLY SEED UNIFORMLY. COVER BROADCASTED SEED BY RAKING OR DRAGGING, AND LIGHTLY TAMPING INTO PLACE.
- MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING.
- INSPECT FOR SOIL EROSION OR VEGETATION LOSS AND REPAIR BARE OR SPARSE AREAS, FILL GULLIES, RE-FERTILIZE, RE-SEED AND RE-MULCH AS NEEDED.

TEMPORARY SEEDING SPECIES SELECTION			
DATES	SPECIES	LB/1,000 SF	LB/AC.
MARCH 1 - AUGUST 15	OATS	3	128
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
AUGUST 16 - OCTOBER 31	PERENNIAL RYEGRASS	2	40
	TALL FESCUE	1	40
	TALL FESCUE	1	40
NOVEMBER 1 - FEBRUARY 28	RYE	3	112
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
NOVEMBER 1 - FEBRUARY 28	PERENNIAL RYEGRASS	2	40
	TALL FESCUE	1	40
	TALL FESCUE	1	40
ONLY MULCH OR DORMANT SEEDING.			

**TEMPORARY SEEDING NOTES**

- SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN 48 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO INSTALLATION.
- SOD SHALL BE KEPT MOIST AND COVERED DURING HAULING AND PREPARATION FOR PLACEMENT.
- SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4" ± 1/4", EXCLUDING TOP GROWTH AND THATCH.
- AREAS SHALL BE GRADED AND TOPSOIL SPREAD AS NEEDED.
- THE SEEDBED SHALL BE PREPARED BY APPLYING AGRICULTURAL GROUND LIMESTONE OR FERTILIZER AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY LIME AT 100 LB/1,000 S.F. OR FERTILIZER AT 12 LB/1,000 S.F. OF 10-10-10 OR 12-12-12 ANALYSIS. LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL TO A DEPTH OF 3".
- BEFORE LAYING SOD, THE SURFACE SHALL BE FINE GRADED AND CLEARED OF DEBRIS, STONES AND CLOUDS LARGER THAN 3" DIAMETER. KNOCK DOWN HIGH SPOTS AND FILL IN LOW SPOTS SO SOIL IS LEVEL AND 1" BELOW THE GRADE OF ANY PAVED SURFACE, SUCH AS CURBS, WALKS AND PAVEMENT.
- DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURES, THE SOIL SHALL BE LIGHTLY IRRIGATED PRIOR TO LAYING SOD.
- DO NOT PLACE SOD ON FROZEN SOIL.
- THE FIRST ROW OF SOD SHALL BE LAID IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND TIGHTLY WEDGED AGAINST EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED IN A BRICK-LIKE PATTERN. ENSURE SOD IS NOT STRETCHED OR OVERLAPPED, AND JOINTS ARE BUTTED TIGHT.
- ON SLOPING AREAS WHERE EROSION MAY BE A PROBLEM, SOD SHALL BE LAID WITH THE LONG EDGE PARALLEL TO THE CONTOUR, WITH STAGGERED JOINTS AND BE SECURED WITH PEGS OR STAPLES.
- AS SODDING IS COMPLETED IN ANY ONE SECTION, ROLL OR TAMP THE SOD TO ENSURE SOLID CONTACT OF ROOTS WITH THE SOIL. WATER IMMEDIATELY AFTER ROLLING OR TAMPING UNTIL THE SOD AND SURFACE BELOW ARE THOROUGHLY WET. THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD SHALL BE COMPLETED WITHIN 8 HOURS.
- IN THE ABSENCE OF ADEQUATE RAINFALL DURING THE FIRST WEEK, WATER DAILY OR AS NECESSARY TO MAINTAIN MOIST SOIL. AFTER THE FIRST WEEK, WATER SOD AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE AND ENSURE ESTABLISHMENT.
- DO NOT MOW UNTIL SOD IS FIRMLY ROOTED.

**SODDING NOTES**



DATE	REVISION	NO	REVIEW	ISSUED FOR:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
				09/12/2024	AS SHOWN	SNK	SNK	LCH

**11600 CONCORD HAMBDEN RD**  
**BUILDING DEMOLITION**  
**CONCORD TOWNSHIP**  
LAKE COUNTY, OH

PROJECT NO.	241185
DISCIPLINE	CIVIL
SHEET NAME	DETAILS
SHEET	7
OF	7