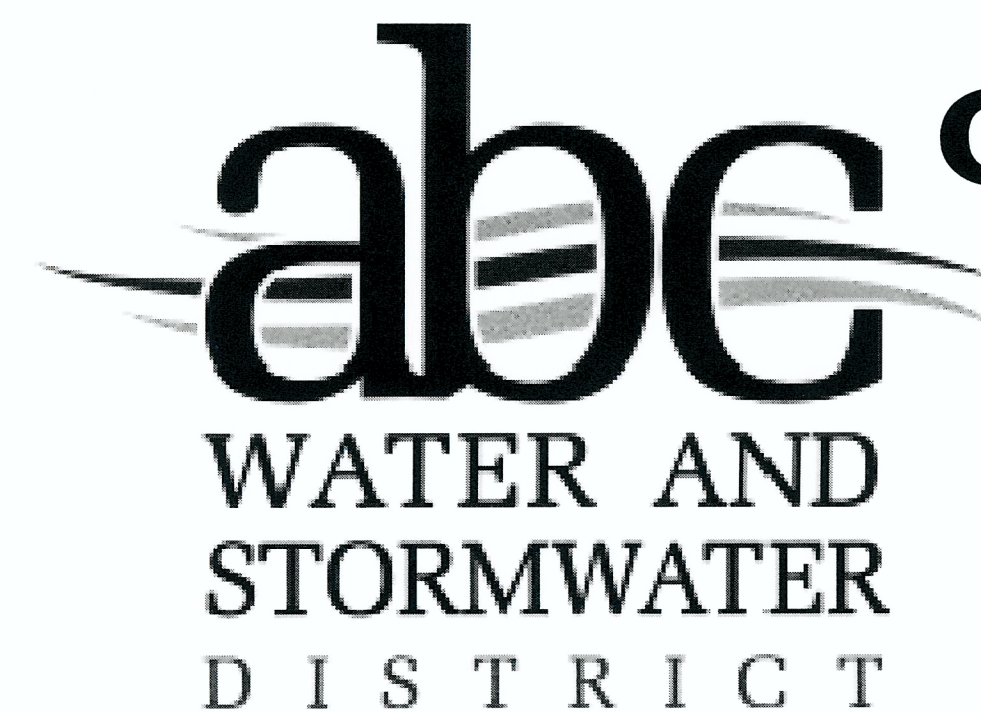


ABC WATER & STORMWATER DISTRICT MARKET STREET ELEMENTARY SCHOOL BUILDING DEMOLITION

ODNR FUNDING - CAPITAL IMPROVEMENT COMMUNITY
RECREATION PROJECT AS DESCRIBED IN S.B. 310
ARPA FUNDED PROJECT



CONTRACT C - SITE IMPROVEMENTS MAHONING COUNTY, OHIO SEPTEMBER 2022

ABC WATER & STORMWATER DISTRICT BOARD:

JASON LOREE	BOARD MEMBER
KEITH ROGERS	BOARD MEMBER
MICHAEL DOCKRY	BOARD MEMBER
STEPHANIE LANDERS	ADMINISTRATIVE ASSISTANT

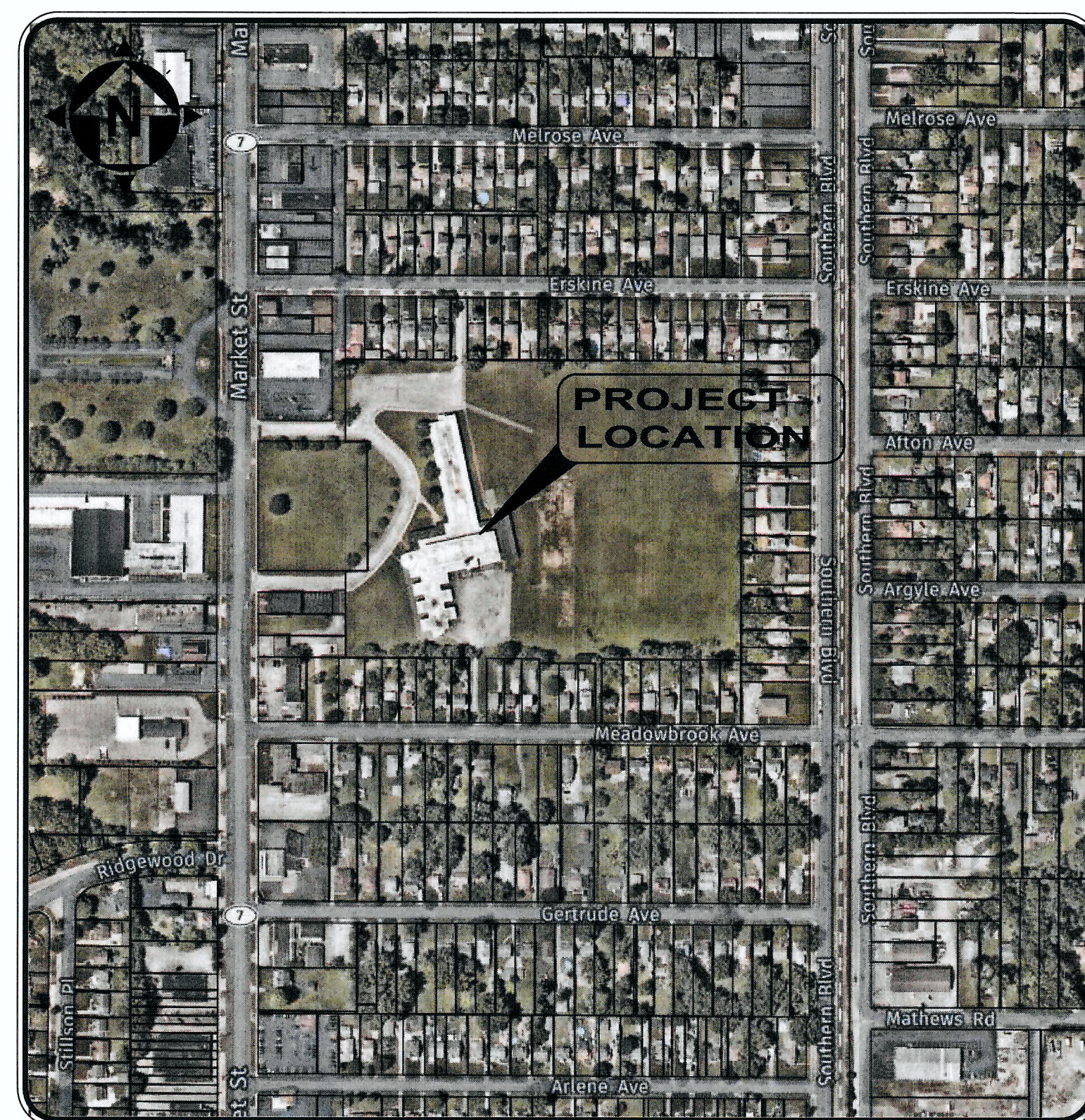


OHIO 811 DESIGN SERIAL NUMBER & UTILITY LIST:

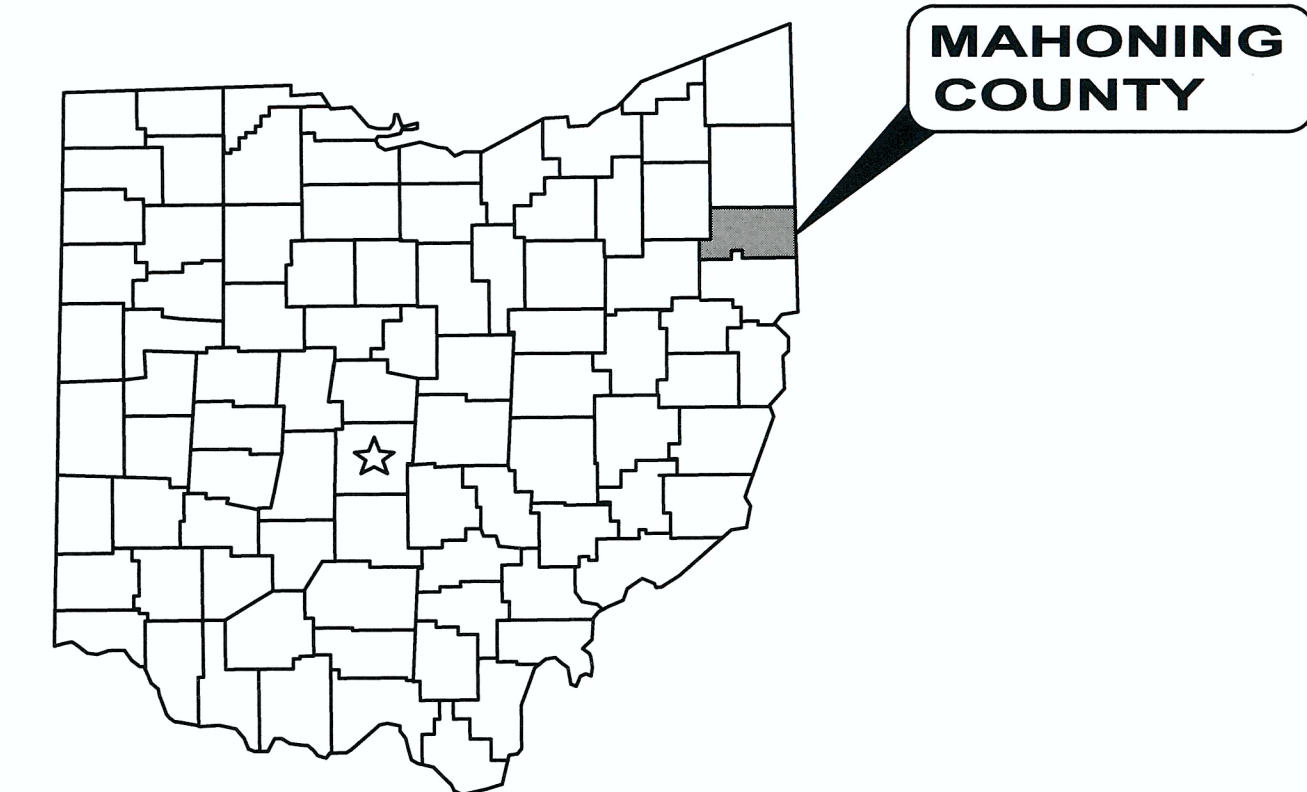
INCLUDE 811 DIG DESIGN NUMBER

- | | |
|--|---|
| 1. ARMSTRONG CABLE (COMMUNICATIONS) | 5. EVERFLOW (COMMUNICATIONS) |
| 2. AT&T (COMMUNICATIONS) | 6. MAHONING COUNTY SANITARY ENGINEERS (SEWER) |
| 3. CITY OF YOUNGSTOWN WATER DEPARTMENT (WATER) | 7. OHIO EDISON (ELECTRIC) |
| 4. DOMINION EAST OHIO (GAS) | |

- UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.
- THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



LOCATION MAP
NOT TO SCALE



OFFICE:

ABC WATER AND STORMWATER DISTRICT
P.O. BOX 3554
YOUNGSTOWN, OHIO 44512

(330) 729-2080 PHONE
(330) 729-2054 FAX

ENGINEER:

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

(330) 951-9000 PHONE
(330) 951-7487 FAX

PROJECT SITE AND ADDRESS:

PROJECT ADDRESS: 5555 MARKET STREET, BOARDMAN



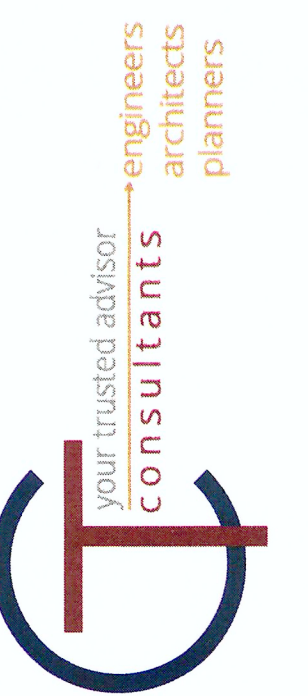
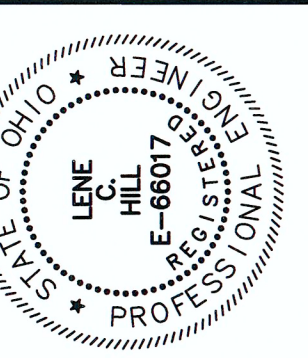
ENGINEER'S PROJECT No. 220563

LENE C. HILL, P.E.

P.E. - 66017

DATE

9/20/2022



NO	REVISION	DATE

MARKET STREET ELEMENTARY
SCHOOL BUILDING DEMOLITION
CONTRACT C
MAHONING COUNTY BOARDMAN, OHIO

PROJECT NO: 220563	
DRAWING NAME SITE - 01	
SHEET 1	OF 8

COVER SHEET

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. (330) 746-1200 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.

ARMSTRONG CABLE
GENO SHONCE
9328 WOODWORTH RD
NORTH LIMA, OH, 44452
330-726-0115 EXT. 224
GSHONCE@AGOC.COM

OHIO EDISON
CHARLIE COLIADIS, PE
730 SOUTH AVENUE
YOUNGSTOWN, OHIO 44502
330-740-7625

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

THE CITY OF YOUNGSTOWN
WATER DEPARTMENT
160 NORTH WEST AVENUE
YOUNGSTOWN, OHIO 44502
330-742-1362

MAHONING COUNTY SANITARY ENGINEERS
PATRICK GINETTI, PE, PS
761 INDUSTRIAL ROAD
YOUNGSTOWN, OHIO 44509
330-793-5514

CANFIELD TOWNSHIP
KEITH ROGERS
21 S. BROAD STREET
CANFIELD, OHIO 44406
330-533-4239

AT&T
ENGINEERING
LUCIE HINSHAW
50 WEST BOWERY STREET
AKRON, OHIO 44308
330-384-3048

CONSTRUCTION
MATTHEW HIGGENBOTHAM
330-797-2818

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.

STANDARD SPECIFICATIONS:

- THE "CONSTRUCTION AND MATERIAL SPECIFICATIONS" OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT), 2019 EDITION, CURRENT ODOT SUPPLEMENTAL SPECIFICATIONS, AND CURRENT ODOT STANDARD DRAWINGS SHALL GOVERN WORK AND MATERIALS WHICH ARE NOT SPECIFIED OR MODIFIED HEREIN OR ON THE PROJECT CONTRACT DRAWINGS. ALL REFERENCES TO "THE DEPARTMENT" SHALL BE CHANGED TO "THE OWNER OR HIS REPRESENTATIVE." THE PROJECT CONTRACT DRAWINGS AND SPECIFICATIONS, IN THE EVENT OF A DISCREPANCY, SHALL SUPERSEDE THE ODOT SPECIFICATIONS.
- THE ABSENCE OF AN "AS PER PLAN" DESIGNATION ON SOME ITEM DESCRIPTIONS IN THE PROPOSAL FOR WHICH THERE ARE CLEAR AND CONTROLLING PLAN NOTES, SPECIFICATIONS, OR OTHER REQUIREMENTS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO READ, BID AND CONSTRUCT THOSE PARTICULAR ITEMS IN ACCORDANCE WITH THE GOVERNING PLAN NOTES, SPECIFICATIONS, OR OTHER REQUIREMENTS AND THE CONTRACTOR SHALL HAVE NO BASIS OF CLAIM BASED UPON AN "ORDER OF PRECEDENCE".

UNDERGROUND UTILITIES:

- THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. THE OWNER NOR THE ENGINEER ENSURES THEIR ACCURACY OR COMPLETENESS.
- 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.

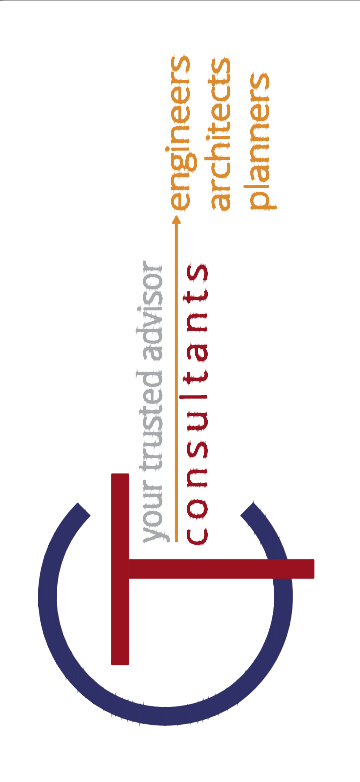
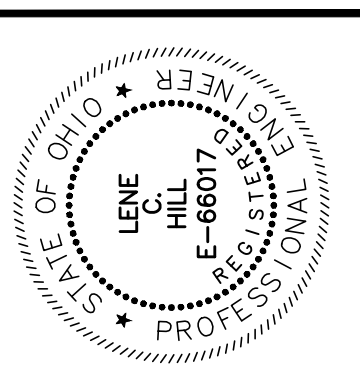
NOISE CONTROL PRACTICES:

- 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.

RESTORATION:

- REMOVAL AND/OR DISTURBANCE OF EXISTING ITEMS, SUCH AS, BUT NOT LIMITED TO: TREES, LIGHTPOLES, VEGETATION BEDS, LANDSCAPE ITEMS, MAILBOXES, IRRIGATION LINES, ETC. SHALL BE LIMITED TO AND CONTROLLED WITHIN THE SMALLEST AREA AS PRACTICAL IN ORDER TO FACILITATE THE CONSTRUCTION OF THE 48" DIAMETER STORM SEWER.
- EXISTING DISTURBED LAWN AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS OR BETTER. LAWN AREAS SHALL BE RE-SEEDED WITH A SEED MIXTURE MATCHING THE EXISTING GRASS COMPOSITION.
- DISTURBED EXISTING ITEMS, SUCH AS, BUT NOT LIMITED TO: LANDSCAPING ITEMS, VEGETATION, IRRIGATION LINES, ETC., AND AREAS ARE TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS OR BETTER AND UTILIZE THE SAME EXISTING ELEMENTS/MATERIALS FOR THE RESTORATION. THE CONTRACTOR SHALL COORDINATE RESTORATION EFFORTS WITH THE HOMEOWNER TO DETERMINE THE CORRECT MATERIALS TO UTILIZE.
- PROPOSED CONCRETE SHALL BE SEALED WITH CURE 'N SEAL, OR APPROVED SUBSTITUTE.

Sheet Index	
Sheet Number	Sheet Title
1	COVER SHEET
2	General Notes
3	Existing Conditions
4	Demolition Plan
5	Grading Plan and SWPPP
7	SWPPP Notes 1
8	SWPPP Notes 2
8	SWPPP Details



NO	REVISION	DATE

ISSUED FOR:	BID
DATE:	09/22/22
DESIGNED BY:	LCH
DRAWN BY:	VJS
CHECKED BY:	LCH

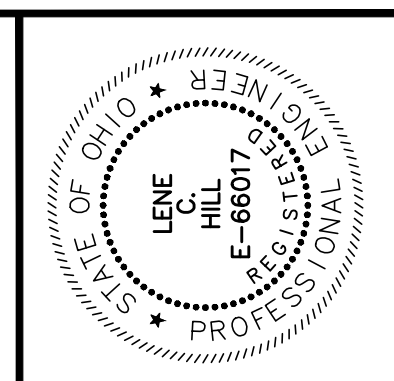
MARKET STREET ELEMENTARY SCHOOL BUILDING DEMOLITION CONTRACT C
 MAHONING COUNTY BOARDMAN, OHIO
GENERAL NOTES

PROJECT NO:	
220563	
DRAWING NAME	
SITE-02	
SHEET	OF
2	8



EXISTING CONDITIONS NOTES

1. CONTOURS SHOWN ON THESE PLANS WERE OBTAINED FROM LIDAR. NO FIELD DATA WAS OBTAINED.
2. THE EXISTING UNDERGROUND UTILITIES SHOWN ON THESE CONSTRUCTION PLANS WERE OBTAINED FROM AVAILABLE RECORDS 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.
3. 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.)
4. 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.
5. THE SURVEY AND STREET ALIGNMENTS SHOWN ARE BASED ON GIS INFORMATION. NO FIELD VERIFICATION HAS BEEN COMPLETED.

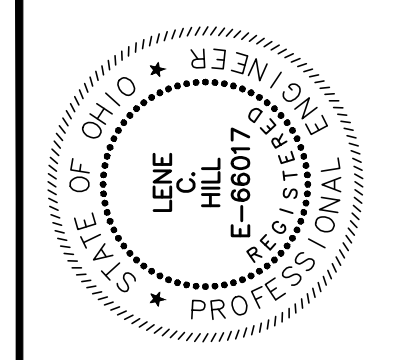


NO	REVISION	DATE

ISSUED FOR:	BID	09/22/22
DATE:	DESIGNED BY:	LCH
	DRAWN BY:	VJS
	CHECKED BY:	LCH

MARKET STREET ELEMENTARY SCHOOL BUILDING DEMOLITION CONTRACT C
 MAHONING COUNTY BOARDMAN, OHIO
EXISTING CONDITIONS

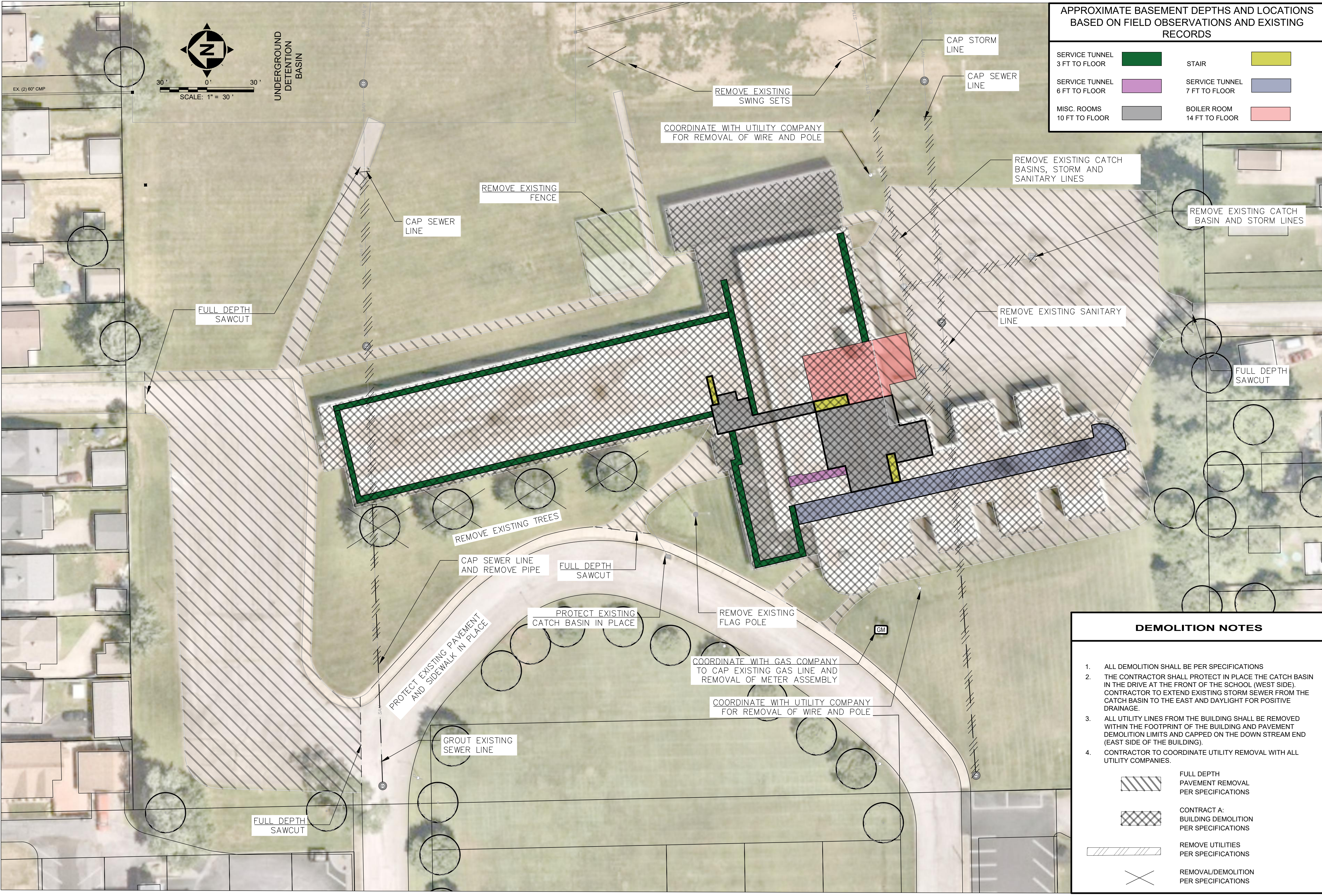
PROJECT NO:	220563
DRAWING NAME	SITE - 03
SHEET	OF
3	8



NO	REVISION	DATE

ISSUED FOR:	BID	06/22/22
DATE:	DESIGNED BY:	LCH
DRAWN BY:	VJS	
CHECKED BY:	LCH	

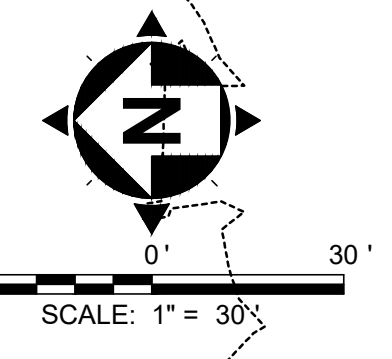
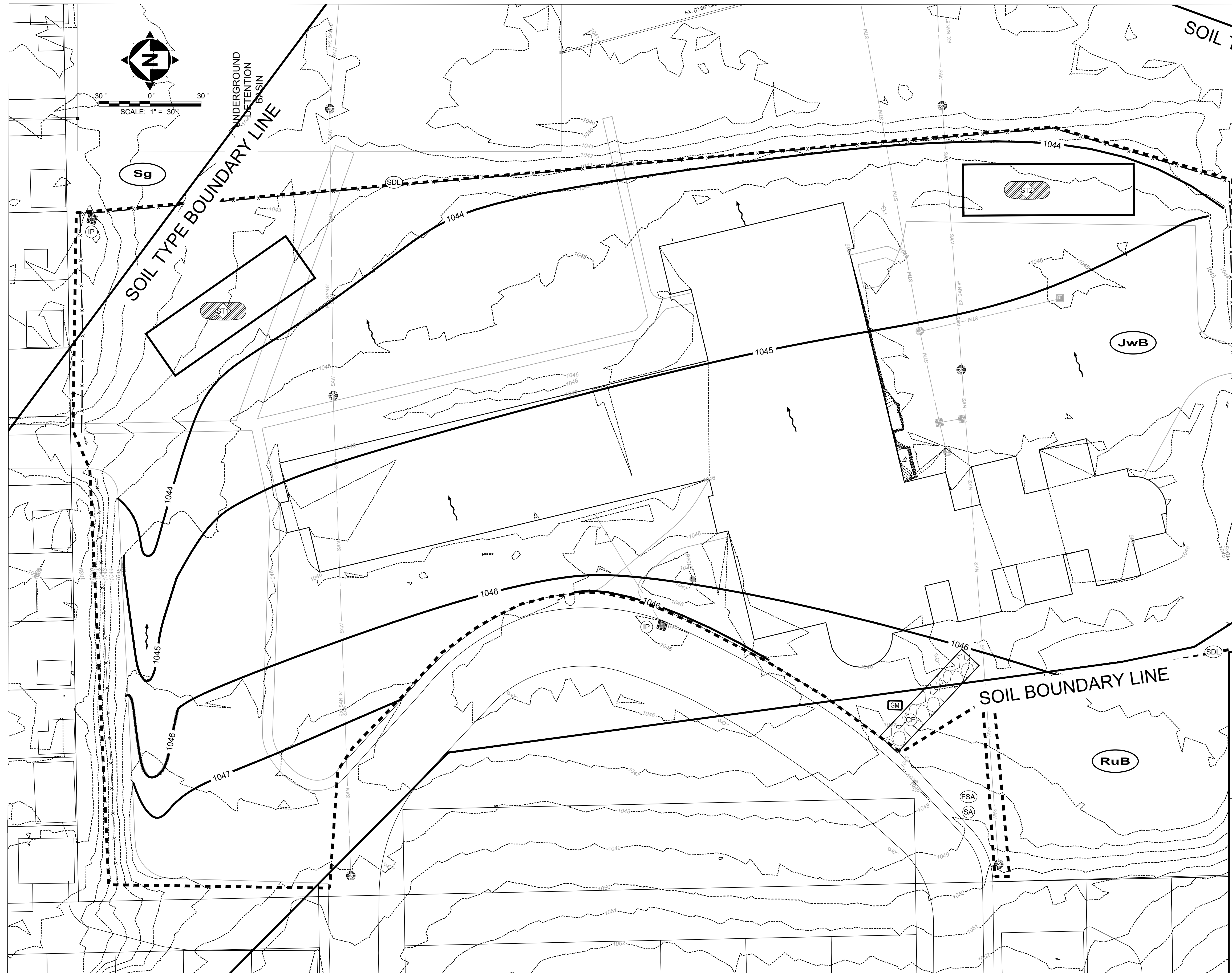
MARKET STREET ELEMENTARY SCHOOL BUILDING DEMOLITION CONTRACT C	
MAHONING COUNTY	BOARDMAN, OHIO
DEMOLITION PLAN	
PROJECT NO: 220563	
DRAWING NAME: SITE - 04	
SHEET 4	OF 8



APPROXIMATE BASEMENT DEPTHS AND LOCATIONS BASED ON FIELD OBSERVATIONS AND EXISTING RECORDS

SERVICE TUNNEL 3 FT TO FLOOR	STAIR
SERVICE TUNNEL 6 FT TO FLOOR	SERVICE TUNNEL 7 FT TO FLOOR
MISC. ROOMS 10 FT TO FLOOR	BOILER ROOM 14 FT TO FLOOR

- DEMOLITION NOTES**
- ALL DEMOLITION SHALL BE PER SPECIFICATIONS
 - THE CONTRACTOR SHALL PROTECT IN PLACE THE CATCH BASIN IN THE DRIVE AT THE FRONT OF THE SCHOOL (WEST SIDE). CONTRACTOR TO EXTEND EXISTING STORM SEWER FROM THE CATCH BASIN TO THE EAST AND DAYLIGHT FOR POSITIVE DRAINAGE.
 - ALL UTILITY LINES FROM THE BUILDING SHALL BE REMOVED WITHIN THE FOOTPRINT OF THE BUILDING AND PAVEMENT DEMOLITION LIMITS AND CARPED ON THE DOWN STREAM END (EAST SIDE OF THE BUILDING).
 - CONTRACTOR TO COORDINATE UTILITY REMOVAL WITH ALL UTILITY COMPANIES.
- | | |
|--|--|
| | FULL DEPTH PAVEMENT REMOVAL PER SPECIFICATIONS |
| | CONTRACT A: BUILDING DEMOLITION PER SPECIFICATIONS |
| | REMOVE UTILITIES PER SPECIFICATIONS |
| | REMOVAL/DEMOLITION PER SPECIFICATIONS |



SEDIMENT TRAP CRITERIA		
	ST 1	ST 2
LENGTH	~100 FT.	~100 FT.
WIDTH	~30 FT.	~30 FT.
TOP EMBANKMENT ELEV.	1045.5 FT.	1047.5 FT.
TOP OF DEWATERING ZONE ELEV.	1044 FT.	1046 FT.
TOP OF SEDIMENT STORAGE ELEV.	1042 FT.	1044 FT.
BOTTOM OF SEDIMENT TRAP ELEV.	1041.5 FT.	1043.5 FT.
DRAINAGE AREA	2.5 AC.	2.5 AC.
SEDIMENT VOLUME REQ.	2,500 CF.	2,500 CF.
SEDIMENT VOLUME PROVIDED	2,700 CF.	2,700 CF.
DEWATERING VOLUME REQ.	4,500 CF.	4,500 CF.
DEWATERING VOLUME PROVIDED	5,000 CF.	5,000 CF.

SOILS LEGEND

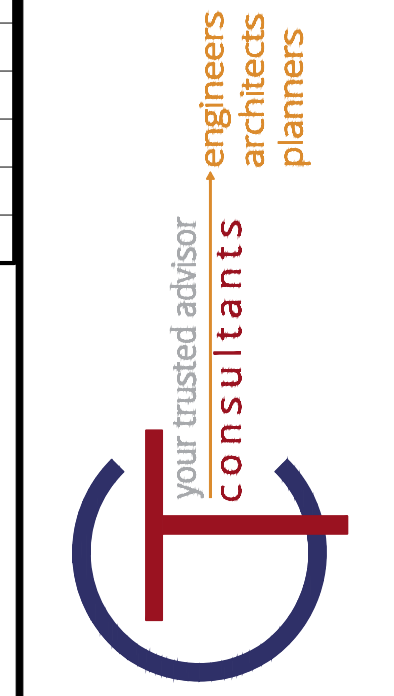
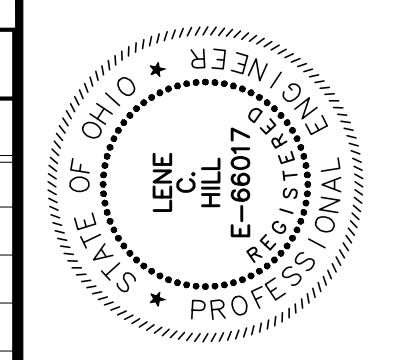
- JwB** JIMTOWN-URBAN LAND COMPLEX
- RuB** RITTMAN-URBAN LAND COMPLEX, 2-6% SLOPE
- Sg** SEBRING-URBAN LAND COMPLEX, 0-2% SLOPE

SHEET CODED NOTES

- SDL** SOIL DISTURBANCE LIMIT
- CE** CONSTRUCTION ENTRANCE
- IP** STORM INLET PROTECTION; DANDY BAG
- FSA** FUEL STORAGE & VEHICLE FUELING AREA
- SA** SANITARY FACILITY
- SILT FENCE**
- ST** SEDIMENT TRAP

NOTES

1. CONTRACTOR SHALL ENSURE THAT THERE IS POSITIVE DRAINAGE ACROSS THE SITE.



NO.	REVISION	DATE

ISSUED FOR: **BID**

DATE: 09/22/22

DESIGNED BY: LCH

DRAWN BY: VJS

CHECKED BY: LCH

MARKET STREET ELEMENTARY SCHOOL BUILDING DEMOLITION CONTRACT C

MAHoning COUNTY BOARDMAN, OHIO

GRADING AND SWPPP PLAN

PROJECT NO: **220563**

DRAWING NAME: **SITE - 05**

SHEET **5** OF **8**

SITE INFORMATION

PROJECT INFORMATION:
5555 MARKET STREET
CITY OF BOARDMAN, MAHONIMG COUNTY, OHIO 44512
LATITUDE: 41.04185 LONGITUDE: 80.66062

OWNER INFORMATION:
ABC WATER AND STORMWATER DISTRICT
8299 Market STREET, BOARDMAN, OHIO 44512
CONTACT: JASON JOREE
PHONE: 330-729-2080

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	(X) COMMUNITY	() MIXED USE
() OFFICE	() RECREATION	() RESIDENTIAL
() MEDICAL	() PUBLIC SAFETY	() RESTAURANT
() UTILITY	() EDUCATION	() APARTMENT
() ROAD	() INDUSTRIAL	() MANUFACTURING

DESCRIPTION OF PROJECT:
DEMOLISH EXISTING BUILDING, FOUNDATIONS, UTILITIES AND PAVEMENTS. SEED AND MULCH 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; AND INSTALLATION OF NEW BUILDING, STORM WATER MANAGEMENT SYSTEM, UTILITIES AND NEW PAVEMENT. AND SEED AND MULCH DISTURBED AREAS.

DESCRIPTION OF PRIOR LAND USE:
BUILDING WITH DRIVEWAYS, PARKING AREAS AND UTILITIES.

SITE AREA INFORMATION:

TOTAL PROPERTY AREA:	13.3	AC.
PROJECT LIMIT/CONSTRUCTION AREA:	6.7	AC.
AREA OF SOIL DISTURBANCE:	3.7	AC.
EXISTING IMPERVIOUS AREA:	2.5	AC.
PROPOSED IMPERVIOUS AREA:	0.00	AC.
INCREASE/DECREASE OF IMPERVIOUS AREA:	-100	%
PRE-CONSTRUCTION RUNOFF COEFFICIENT:	92.2	
POST-CONSTRUCTION RUNOFF COEFFICIENT:	80.0	

NAME OF RECEIVING STREAM, SURFACE WATER OR MS4:
CRANBERRY RUN TO MILLCREEK

QUALITY OF STORM WATER DISCHARGE FROM SITE:
UNKNOWN

ESTIMATED CONSTRUCTION START DATE: 10/21/2022
ESTIMATED CONSTRUCTION COMPLETION DATE: 05/02/2022

- GENERAL NOTES**
- THE CONTRACTOR SHALL REVIEW AND FOLLOW THE PRACTICES AND REQUIREMENTS PROVIDED IN THE CURRENT, ACTIVE OHIO EPA NPDES PERMIT NO. 3IN00000*HD.
 - 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 OH0000005 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

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

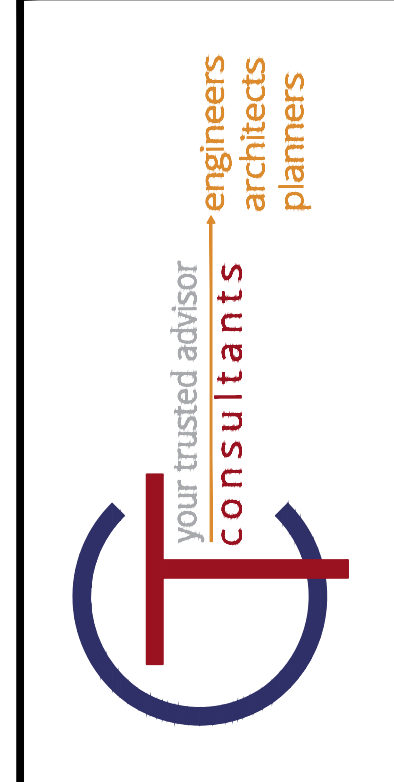
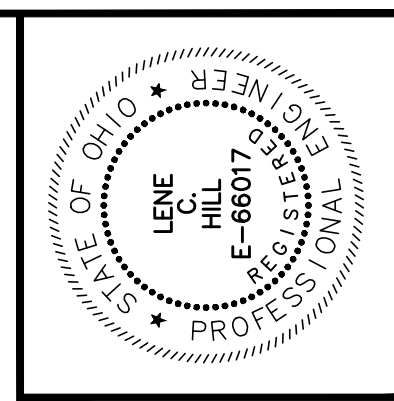
- SEDIMENT CONTROL NOTES**
- INLET PROTECTION AND SEDIMENT BARRIERS MUST BE INSTALLED PRIOR TO CLEARING AND GRUBBING.
 - SEDIMENT PONDS, TEMPORARILY MODIFIED PERMANENT PONDS AND PERIMETER SEDIMENT BARRIERS MUST BE INSTALLED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF CLEARING AND 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 (X) SEDIMENT TRAP
(X) SILT FENCE (X) INLET PROTECTION
(X) FILTER SOCK () FILTER BERM
- SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES**
- HOLD A PRE-CONSTRUCTION MEETING TO DISCUSS OHIO EPA NPDES PERMIT REQUIREMENTS.
 - CONTRACTOR SUBMITS CONSTRUCTION SCHEDULE FOR CONSTRUCTION ACTIVITIES.
 - BEGIN INSPECTION, MAINTENANCE, RECORD KEEPING AND SITE POSTING OF BMPS.
 - ESTABLISH STAGING AREA AND NON-SEDIMENT BMPS.
 - INSTALL SILT FENCE, INLET PROTECTION 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.
 - INSTALL DEWATERING MEASURES.
 - BEGIN EARTHWORK OPERATIONS.
 - APPLY TEMPORARY SEED.
 - INSPECT AND CLEAN EXISTING AND NEW STORM SEWERS AND INLETS.
 - APPLY PERMANENT SEED.
 - CONTINUE INSPECTIONS, MAINTENANCE, RECORD KEEPING, AND SITE POSTING UNTIL FINAL STABILIZATION ACHIEVED.
 - REMOVE TEMPORARY BMPS FROM STORM SEWER AND INLETS, AND OPEN GUTTERS AND DITCHES TO OBTAIN FREE DRAINAGE.
 - DISPOSE OF ALL DEBRIS AND WASTE MATERIAL.

- PERMIT CLOSURE REQUIREMENTS**
- FINAL STABILIZATION REQUIRES THE CONTRACTOR TO REMOVE ALL TEMPORARY SEDIMENT AND EROSION CONTROLS FROM THE SITE AND ALL SEDIMENT TRAPPED BY THOSE CONTROLS BE PERMANENTLY STABILIZED.
 - THE CONTRACTOR SHALL COMPLETE A "FINAL CERTIFICATION AND NOTIFICATION FOR EROSION AND SEDIMENT CONTROL" UPON PROJECT COMPLETION AND PROVIDE A COPY TO THE OWNER AND SWCD.
 - ONCE CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SITE REACHES FINAL STABILIZATION, THE CONTRACTOR MUST TERMINATE THE NPDES PERMIT COVERAGE BY FILING A NOT WITH THE OHIO EPA WITHIN 45 DAYS OF FINAL STABILIZATION. FINAL STABILIZATION IS DEFINED AS AN ESTABLISHED VEGETATIVE GROUND COVER OF AT LEAST 70% GROWTH DENSITY, OR OTHER MEANS OF PERMANENT STABILIZATION, OVER ALL AREAS DISTURBED DURING CONSTRUCTION.
 - THE CONTRACTOR MUST MAINTAIN ALL REPORTS FOR 3 YEARS AFTER THE NOT IS FILED, AND PROVIDE DIGITAL COPIES TO THE OWNER AND SWCD.

- MAINTENANCE REQUIREMENTS**
- BMPs SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL UPSLOPE AREAS THEY CONTROL ARE STABILIZED.
 - THE CONTRACTOR SHALL PROVIDE A QUALIFIED PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROLS, POSSESS THE TECHNICAL SKILLS TO ASSESS SITE CONDITIONS THAT COULD IMPACT STORM WATER QUALITY, AND CAN ASSESS THE EFFECTIVENESS OF ANY BMP SELECTED.
 - A QUALIFIED PERSON MUST INSPECT BMPS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL IN A 24-HOUR PERIOD TO DETERMINE IF THE SWP3 WAS PROPERLY IMPLEMENTED.
 - THE QUALIFIED PERSON MUST PREPARE A WRITTEN REPORT AFTER EACH INSPECTION SUMMARIZING INSPECTION RESULTS INCLUDING THE FOLLOWING:
 - DATE OF INSPECTION
 - NAME AND QUALIFICATION OF THE INSPECTOR
 - WEATHER CONDITIONS
 - LOCATIONS WHERE IN-STREAM OR OFF-SITE SEDIMENTATION OR OTHER POLLUTANTS WERE OBSERVED.
 - LOCATIONS OF BMPS NEEDING MAINTENANCE.
 - LOCATIONS OF BMPS FAILING TO OPERATE CORRECTLY OR PROVIDE ADEQUATE PROTECTION.
 - LOCATION OF AREAS IN NEED OF ADDITIONAL BMPS NOT IN PLACE AT THE TIME OF INSPECTION.
 - CORRECTIVE ACTIONS REQUIRED, CHANGES TO THE SWP3 AND IMPLEMENTATION DATES.
 - GRADING AND STABILIZATION ACTIVITY LOG
 - EROSION AND SEDIMENT CONTROL AMENDMENT LOG
 - ALL INCIDENCES OF NON-COMPLIANCE MUST BE IDENTIFIED IN THE REPORT. IF A REPORT DOES NOT IDENTIFY INCIDENCES OF NON-COMPLIANCE, IT MUST CONTAIN A CERTIFICATION THE SITE IS IN COMPLIANCE AT THE TIME OF INSPECTION.
 - BMP MAINTENANCE OR REPAIR MUST BE COMPLETED WITHIN 3 DAYS, AND SEDIMENT POND MAINTENANCE OR REPAIR WITHIN 10 DAYS, OF THE INSPECTION THAT REVEALED A DEFICIENCY.
 - WHEN AN INSPECTION REVEALS A BMP IS NOT EFFECTIVE AND A MORE APPROPRIATE BMP IS REQUIRED, THE SWP3 SHALL BE AMENDED, THE NEW BMP INSTALLED WITHIN 10 DAYS OF THE INSPECTION THAT REVEALED THE DEFICIENCY, AND THE "STORMWATER POLLUTION PREVENTION PLAN AMENDMENT LOG" FORM COMPLETED.
 - WHEN AN INSPECTION REVEALS A BMP HAS NOT BEEN INSTALLED, BUT IS REQUIRED TO PROVIDE ADEQUATE CONTROL, IT MUST BE INSTALLED PRIOR TO THE NEXT STORM EVENT WHICH PRODUCES RUNOFF, BUT IN NO CASE LATER THAN 10 DAYS FROM THE INSPECTION THAT REVEALED THE DEFICIENCY.
 - THE INSPECTION FREQUENCY MAY BE REDUCED TO 1 TIME PER MONTH IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WINTER WEATHER (I.E. SUSTAINED SNOW COVER OR FROZEN GROUND CONDITIONS). A WAIVER OF INSPECTION REQUIREMENTS IS AVAILABLE UNTIL 1 MONTH BEFORE THAWING CONDITIONS ARE EXPECTED IF ALL THE FOLLOWING CONDITIONS ARE MET:
 - SOIL DISTURBANCE ACTIVITIES HAVE BEEN SUSPENDED.
 - THE BEGINNING AND ENDING DATES OF THE WAIVER PERIOD ARE DOCUMENTED IN THE SW3P.
 - ONCE A DEFINABLE AREA HAS BEEN FULLY STABILIZED, IT MAY BE MARKED ON THE SW3P AND NO FURTHER INSPECTION REQUIREMENTS ARE REQUIRED FOR THAT AREA OF THE SITE.
 - INSPECTIONS SHALL BE PERFORMED UNTIL A NOT IS FILED WITH THE OHIO EPA.



NO	DATE	REVISION

ISSUED FOR:	BID
DATE:	09/22/22
DESIGNED BY:	LCH
DRAWN BY:	VJS
CHECKED BY:	LCH

MARKET STREET ELEMENTARY SCHOOL BUILDING DEMOLITION CONTRACT C
MAHONING COUNTY BOARDMAN, OHIO
SWPPP NOTES

PROJECT NO:	220563
DRAWING NAME	SITE - 06
SHEET	OF
6	8

**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
JwB	JIMTOWN-URBAN LAND COMPLEX
RuB	RITTMAN-URBAN LAND COMPLEX, 2 TO 6 PERCENT SLOPE
Sg	SEBRING-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES

GRADING AND STABILIZATION ACTIVITY LOG

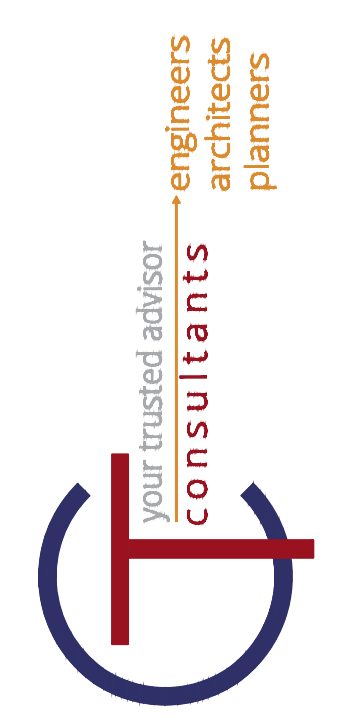
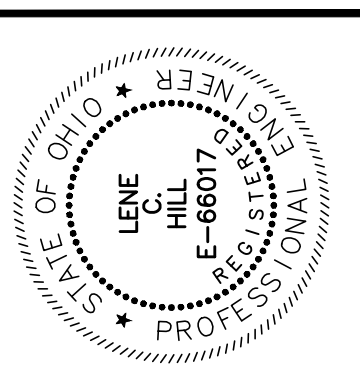
PROJECT NAME: _____ SHEET NO.: _____
PROJECT ADDRESS: _____

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)
			DATE	TYPE	
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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)



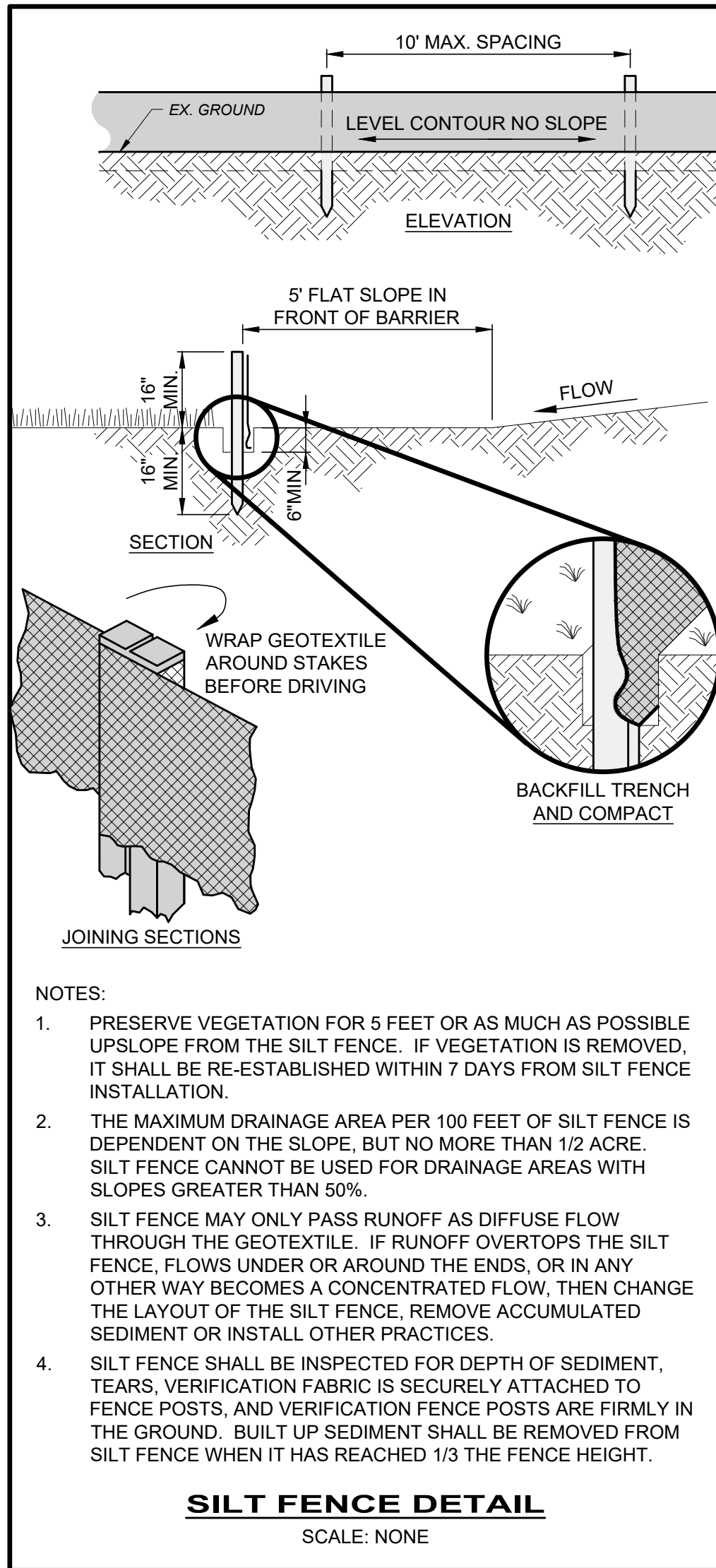
NO	REVISION	DATE

ISSUED FOR:	BID	09/22/22	LCH	VJS	LCH
DATE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:		

**MARKET STREET ELEMENTARY
SCHOOL BUILDING DEMOLITION
CONTRACT C**
MAHONING COUNTY BOARDMAN, OHIO

SWPPP NOTES

PROJECT NO:	220563
DRAWING NAME	SITE - 07
SHEET	OF
7	8

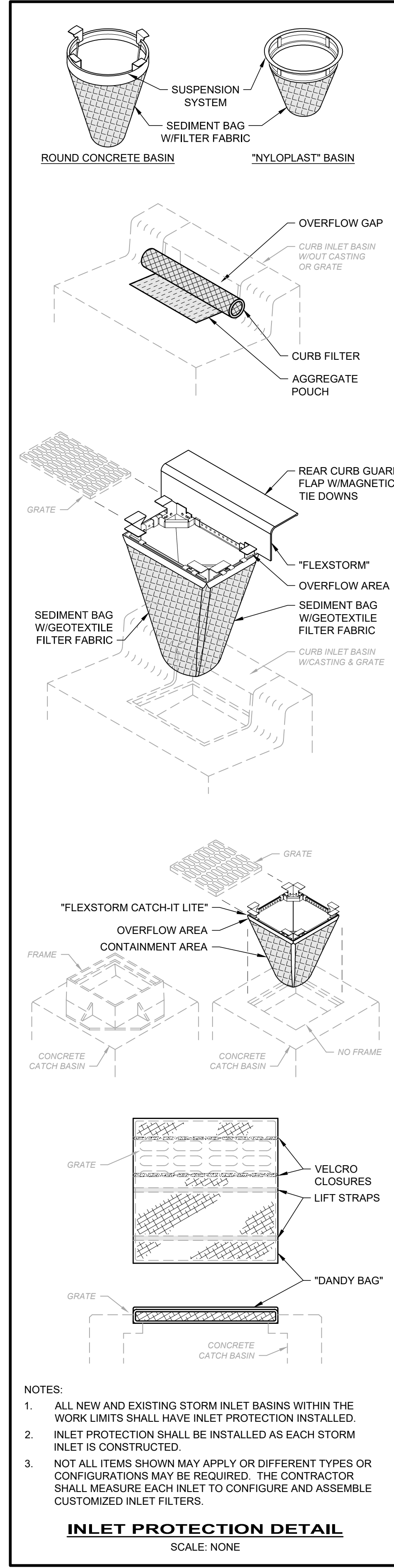


NOTES:

- 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
	PERENNIAL RYEGRASS TALL FESCUE	2 1	40 40
AUGUST 16 - OCTOBER 31	RYE	3	112
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
	WHEAT TALL FESCUE PERENNIAL RYEGRASS	3 1 1	120 40 40
NOVEMBER 1 - FEBRUARY 28	PERENNIAL RYEGRASS TALL FESCUE	2 1	40 40
	ONLY MULCH OR DORMANT SEEDING.		

TEMPORARY SEEDING DETAIL



- 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.

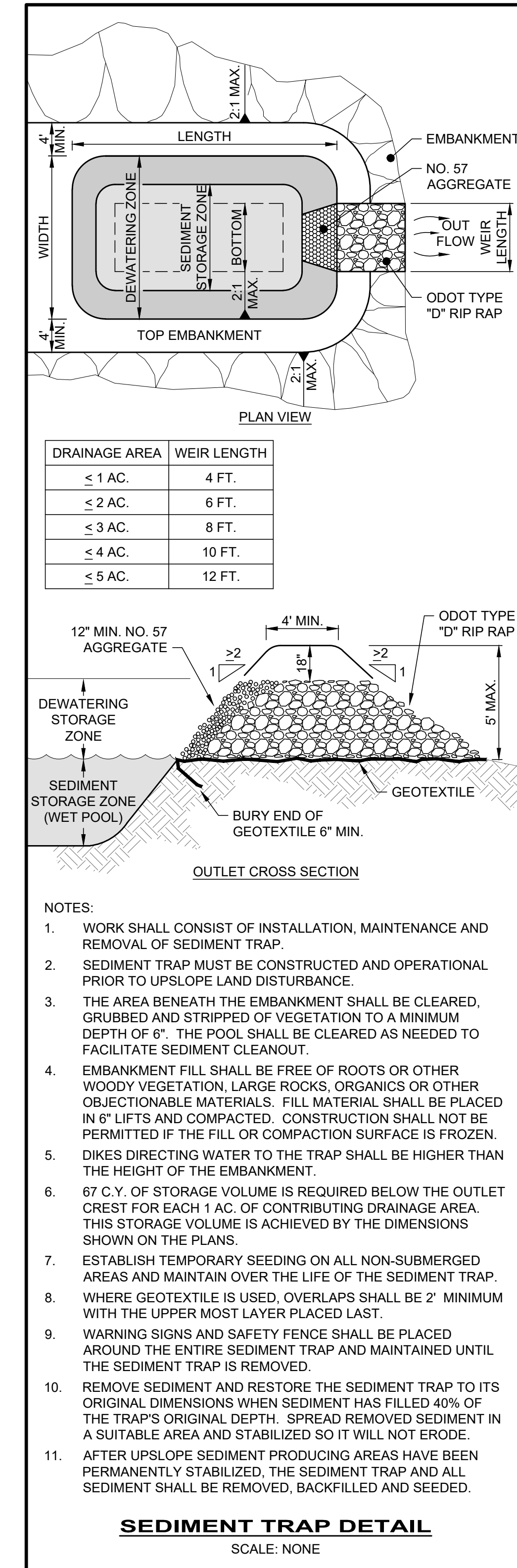
PERMANENT SEEDING FERTILIZATION AND MOWING CHART

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"
CROWN VETCH FESCUE	0-20-20	400	SPRING, AND YEARLY AFTER ESTABLISHED	DO NOT MOW
FLAT PEA FESCUE	0-20-20	400		

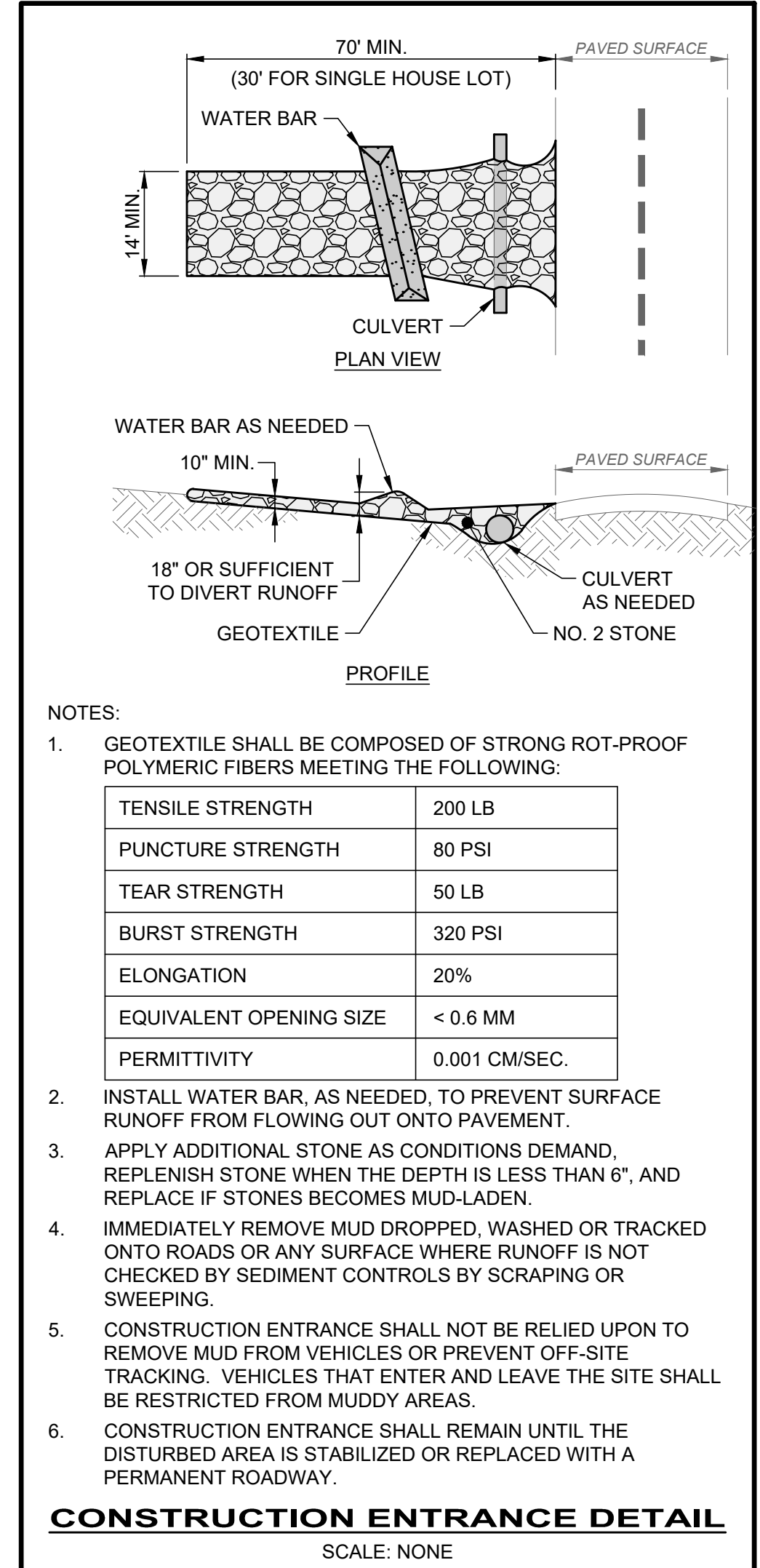
PERMANENT SEEDING SPECIES SELECTION

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 TALL FESCUE	10 - 20 20 - 30	DO NOT SEED LATER THAN AUGUST
FLAT PEA TALL FESCUE	20 - 25 20 - 30	DO NOT SEED LATER THAN AUGUST
ROAD DITCHES AND SWALES		
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE	90	
KENTUCKY BLUEGRASS	5	
LAWN		
KENTUCKY BLUEGRASS	100 - 120	FOR SHADED AREAS
PERENNIAL RYEGRASS	100 - 120	
KENTUCKY BLUEGRASS	100 - 120	
CREeping RED FESCUE	100 - 120	

PERMANENT SEEDING DETAIL



- NOTES:
- 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 DETAIL**



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NO.	REVISION	DATE

ISSUED FOR: BID
DATE: 09/22/22
DESIGNED BY: LCH
DRAWN BY: VJS
CHECKED BY: LCH

MARKET STREET ELEMENTARY SCHOOL BUILDING DEMOLITION CONTRACT C
MAHONING COUNTY BOARDMAN, OHIO

SWPPP DETAILS

PROJECT NO: **220563**
DRAWING NAME: **SITE - 08**
SHEET **8** OF **8**