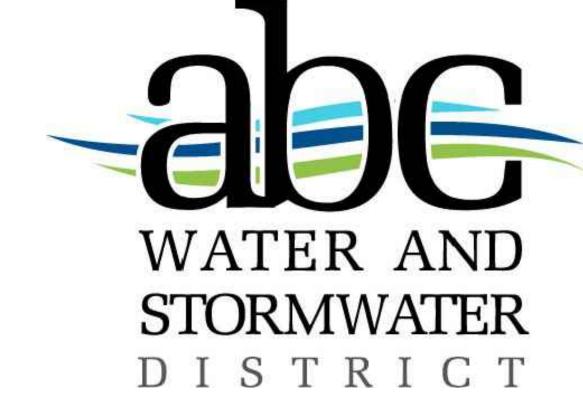
ABC WATER & STORMWATER DISTRICT COLLEEN DRIVE STORM IMPROVEMENTS



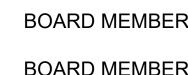
ABC WATER & STORMWATER DISTRICT BOARD:

JASON LOREE

KEITH ROGERS

ROBERT SANTOS

STEPHANIE LANDERS



BOARD MEMBER

ADMINISTRATIVE ASSISTANT



OHIO 811 DESIGN SERIAL NUMBER & UTILITY LIST:

TICKET A401600504-00A. A401800513-00A

STORM SEWER AND ROADWAY MARILYN SFERRA KENNER, PE BOARDMAN TOWNSHIP ROAD DEPARTMENT 8299 MARKET STREET BOARDMAN, OHIO 44512 330-726-4190

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

DOMINION EAST OHIO (GAS) **GINO MINNITI** 320 SPRINGSIDE DR. SUITE 320 AKRON, OHIO 44333 (330) 608-2576 GINO.A.MINNITI@DOMINIONENERGY.COM

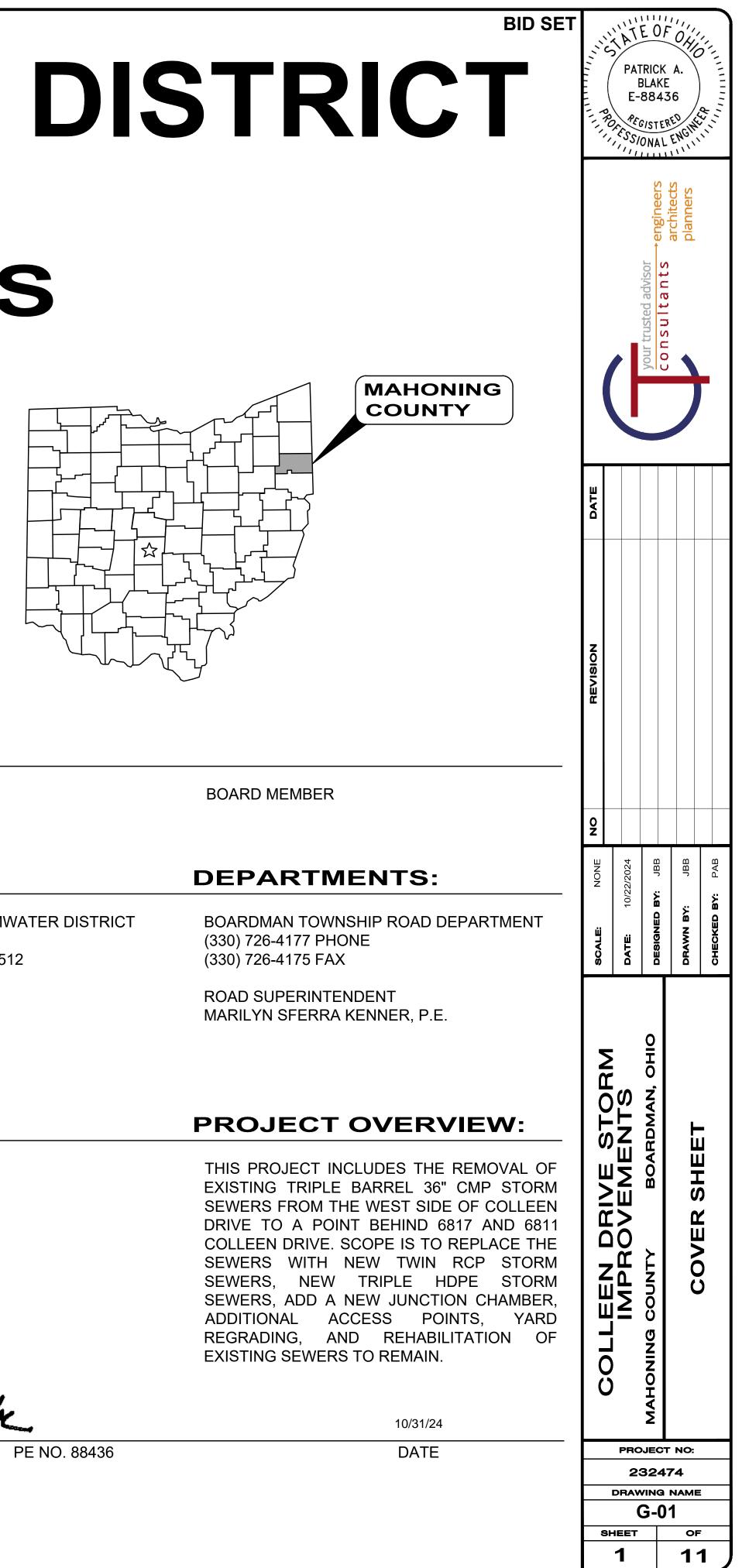
FIRST ENERGY (ELECTRIC) MICHAEL BECK 730 SOUTH AVENUE YOUNGSTOWN, OHIO 44502 330-740-7704 BECKM@FIRSTENERGYCORP.COM ARMSTRONG CABLE COMMUNICATIONS) GENE SHONCE 9328 WOODWORTH RD NORTH LIMA, OH, 44452 330-726-0115 EXT. 224 GSHONCE@AGOC.COM AT&T (COMMUNICATIONS) ORRICE ROBINSON **50 WEST BOWERY STREET** AKRON, OHIO 44308 330-734-5117 TR3463@ATT.COM

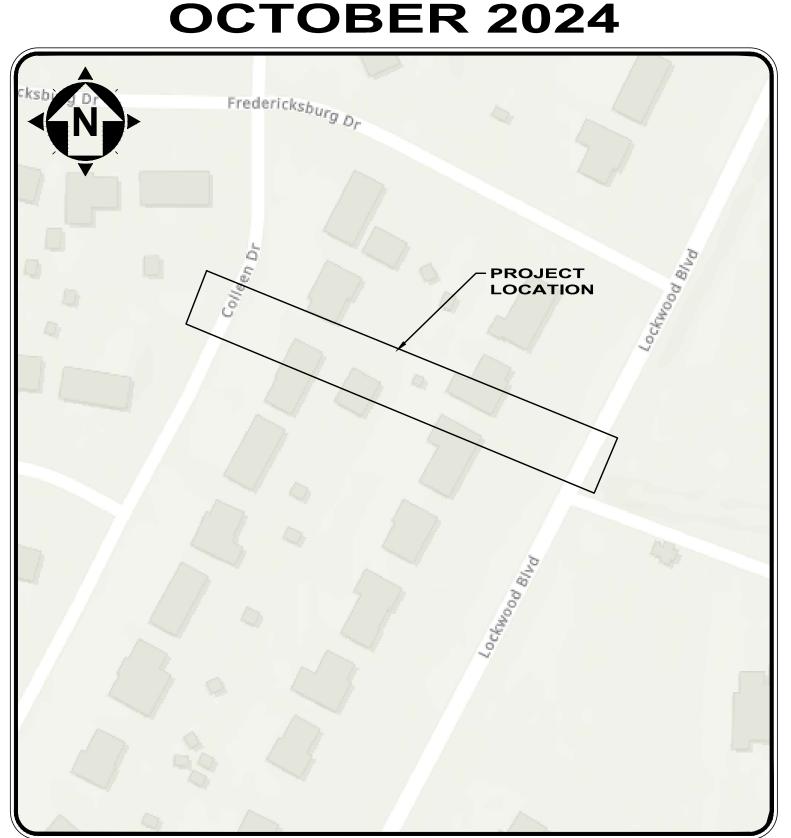
THE CITY OF YOUNGSTOWN WATER DEPARTMENT **GIOVAN GILBERT 160 NORTH WEST AVENUE** YOUNGSTOWN, OHIO 44502 330-742-8751

- 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.
- 2. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE AT 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.

H:\2023\232474\DWG\SHEETS\G 232474 - COVER SHEET.DWG - SHEET NAME - 10/8/2024 2:35:08 PM - JARED BORDNER BOSLE

MAHONING COUNTY, OHIO







OWNER:

JASON LOREE

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 COURT MENTOR, OH 44060 (440) 951-9000 PHONE

PATRICK A. BLAKE, P.E.

ENGINEER'S PROJECT No. 232474

C (GENERAL CIVIL			
S S	STRUCTURAL			
INDEX EX	PLAINAT	ION:		
		INDEX OF S	HEETS	
	Sheet Number			Sheet ID
	1			G-01
	2	SHEET INDEX GENERAL NOTES		G-02 <u>G-03</u>
SHEET				
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				REFERENCE DIMENSIONS ARE GIVEN FOR INFORMATION ONLY. THEY ARE CALCULATE
				DIMENSIONS NOT INTENDED TO BE USED WITHOUT FIELD VERIFICATION AND ARE
				USEFUL IN SHOWING INTENDED DESIGN.
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GENERAL ABBREVIATIONS:

		—			
AR	AIR RELEASE VALVE	FRP	FIBERGLASS REINFORCED PLASTIC	PT	PRESSURE TEMPERATURE RELIEF
AV	AIR & VACUUM VALVE	FTG	FITTING	PV	PLUG VALVE
BA	BALL VALVE	GL	GLOBE VALVE	PVC	POLYVINYL CHLORIDE PIPE
BFV	BUTTERFLY VALVE	GS	GALVANIZED STEEL	R/W	RIGHT OF WAY
BK	BACKPRESSURE VALVE	GV	GATE VALVE	RJ	RESTRAINED JOINT
BM	BENCH MARK	HDPE	HIGH-DENSITY POLYETHYLENE PIPE	SAN	SANITARY
BP	BACKFLOW PREVENTER	KG	KNIFE GATE VALVE	SCH	SCHEDULE
СВ	CATCH BASIN	KN	KNIFE VALVE	SB	SOIL BORING
CL	CENTER LINE	MH	MANHOLE	SDR	STANDARD DIAMETER RATIO
CO	CONE VALVE	MIN	MINIMUM	SS	STAINLESS STEEL
CPP	CORRUGATED PLASTIC PIPE	MJ	MECHANICAL JOINT	STA	STATION
CV	CHECK VALVE	MV	MUD VALVE	STL	STEEL PIPE
DIP	DUCTILE IRON PIPE	Ν	NORTHING	STM	STORM
E	EASTING	ОН	OVERHEAD	SU	SURGE VALVE
EG	EXISTING GRADE	PD	PLUG DRAIN VALVE	SV	SOLENOID VALVE
EL	ELEVATION	PF	PRESSURE RELIEF	TYP	TYPCIAL
EX	EXISTING	PG	PRESSURE REGULATOR	UG	UNDERGROUND
FG	FINISHED GRADE	PI	PINCH VALVE	VB	VALVE BOX
FH	FIRE HYDRANT	PR	PROPOSED	WAT	WATER
FL	FLANGED	PRV	PRESSURE REDUCING VALVE	WV	WATER VALVE

SITE SYMBOL LEGEND:

<u>EX:</u>	<u>PR:</u>	
MB	MB	POST, MAILBOX
-0-	-	POST, SIGN
0	æ	POST, SIGN - DOUBLE
0 0	••	POST, SIGN - DUAL
		BUSH
\bigcirc	\bigcirc	TREE, DECIDUOUS
	₩	TREE, EVERGREEN
4		TREE, STUMP
Ø	ø	NAIL - MAG
0	٠	PIN - IRON
\odot	0	PIPE - IRON
\bigtriangleup		SPIKE
GM	GM	GAS METER
\otimes	Ø	GAS VALVE
\odot	Ø	GAS VENT
P	ø	POLE - ELECTRIC (POWER)
ø		POLE - GENERAL
Ģ	Å	POLE - GUY
(¢	POLE - GUY ANCHOR
Ŕ	¢	POLE - LIGHT
S	6	SANITARY MANHOLE - 48"
		CATCH BASIN - 2X2
		CURB INLET - 2X3
	E	STORM DRAIN
\bigcirc	Ø	STORM MANHOLE - 48"
Q	đ	WATER HYDRANT, FDC
Q	0	WATER HYDRANT, FIRE
\otimes	WV Ø	WATER VALVE W/TEXT
WM	WM	WATER METER
WM	WM	WATER METER PIT

SITE LINE LEGEND:

<u>EX:</u>	
EX. R/W	RIGHT-OF-WAY (APPROXIMATE NOT SURVEYED) PROPERTY LINE
	(APPROXIMATE NOT SURVEYED) BUILDING OUTLINES
650	CONTOURS - MAJOR
648	CONTOURS - MINOR
	DITCH CENTERLINE
	SLOPE LINE
	SLOPE - BREAKLINE
	SLOPE - TOP
	SLOPE - TOE
	WATER EDGE
	EDGE OF ROAD
XXXXXXX	FENCE - GENERAL
o o o o o o	FENCE - CHAIN LINK
	TREE LINE
ELEC ELEC	ELECTRIC LINE
ELEC-OH ELEC-OH	ELECTRIC LINE - OH
ELEC-UG ELEC-UG	ELECTRIC LINE - UG
GAS GAS	GAS LINE
GS GS GS GS	GAS SERVICE
SAN SAN SAN	SANITARY LINE
STM STM	STORM LINE
WAT WAT	WATER LINE
WS WS WS WS	WATER SERVICE
	CENTERLINE

<u>PR:</u>

PAVEMENT SAWCUT
 EDGE OF PAVEMENT
 CENTERLINE

PERMANENT CONSTRUCTION EASEMENT LINE (PCE)
 TEMPORARY CONSTRUCTION EASEMENT LINE (TCE)

– – WORK LIMITS

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9	PROPOSED STORM SEWER REHAB	C-06					
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11	SWPPP NOTES & DETAILS	C-08					

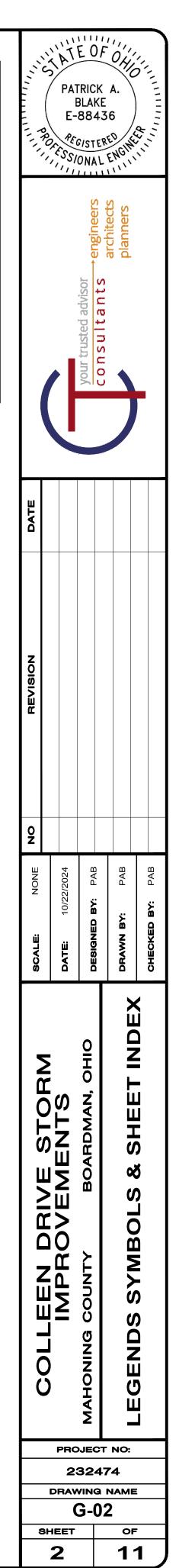
GENERAL MATERIAL HATCHES:

PROPOSED ASPHALT ROADWAY (PLAN)

PROPOSED ASPHALT DRIVEWAY (PLAN)

EXISTING BUILDING (PLAN)

DENOTES ITEM OR AREA FOR DEMOLITION



GENERAL:

- 1. THE STANDARD SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, LATEST EDITION, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS AND STANDARD DRAWINGS SHALL GOVERN ALL WORK NOT COVERED BY THESE DRAWINGS. ALL WORK CONTEMPLATED SHALL BE COVERED BY THE PROJECT SPECIFIC CONTRACT DOCUMENTS.
- 2. THE CONTRACTOR WILL DO ALL OF THE WORK AND FURNISH ALL OF THE LABOR AND MATERIALS NECESSARY FOR THE FINAL COMPLETION OF THIS CONTRACT IN THE MANNER AND UNDER THE CONDITIONS HEREIN SPECIFIED AND PROVIDED AND IN ACCORDANCE WITH THE CONTRACT DRAWINGS.
- 3. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED BY THE OWNER PRIOR TO THE COMMENCEMENT OF ANY WORK. IN ADDITION, THE CONTRACTOR SHALL PROVIDE 48 HOUR NOTICE TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK.
- 4. THE CONTRACTOR SHALL PROVIDE FOR UNINTERRUPTED OPERATION OF ALL PUBLIC UTILITY SERVICE TO PRIVATE PROPERTIES. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS OF ANY SCHEDULED SHUT-OFF AT LEAST 24 HOURS IN ADVANCE IN WRITING.
- 5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SAFE LOCAL ACCESS, VEHICULAR AND PEDESTRIAN, TO ALL PROPERTIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR WILL FURNISH, MAINTAIN AND SUBSEQUENTLY REMOVE ALL NECESSARY SAFEGUARDS SUCH AS BARRICADES, BARRIERS, TEMPORARY PAVEMENT, NO PARKING SIGNS, LIGHTING, FLAGGERS, SIGNING AND OTHER TRAFFIC CONTROLS TO INSURE THE SAFETY OF PERSONS AND VEHICLES DURING CONSTRUCTION WITHIN THE PROJECT LIMITS.
- 6. MAINTAINING TRAFFIC SHALL BE IN ACCORDANCE WITH ODOT ITEM 614 AND THE CURRENT OHIO MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE OPERATIONS.
- 7. ALL SHOP DRAWINGS WILL BE SUBMITTED TO THE ENGINEER FOR PRELIMINARY CHECKING. THE ENGINEER SHALL FORWARD THE CHECKED SHOP DRAWINGS TO THE OWNER FOR FINAL CHECKING AND APPROVAL. SHOP DRAWINGS MUST BE APPROVED PRIOR TO ORDERING ANY MATERIALS.
- 8. BEFORE THE OWNER WILL APPROVE AND ACCEPT THE WORK AND RELEASE THE GUARANTEE RETAINER, THE CONTRACTOR WILL FURNISH THE OWNER A WRITTEN REPORT INDICATING THE RESOLUTION OF ANY AND ALL PROPERTY DAMAGE CLAIMS FILED WITH THE CONTRACTOR BY ANY PARTY DURING THE CONSTRUCTION PERIOD. THE INFORMATION TO BE SUPPLIED SHALL INCLUDE, BUT NOT BE LIMITED TO, NAME OF CLAIMANT, DATE FILED WITH CONTRACTOR, NAME OF INSURANCE COMPANY AND/OR ADJUSTER HANDLING CLAIM, HOW CLAIM WAS RESOLVED AND IF CLAIM WAS NOT RESOLVED FOR THE FULL AMOUNT, A STATEMENT INDICATING THE REASON FOR SUCH ACTION.
- 9. ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT WILL BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, PAVEMENT STRIPING GRINDING, AND ANY POWER-OPERATED CONSTRUCTION-TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 7:00 PM AND 8:00 AM MONDAY THROUGH SATURDAY. NO WORK ON SUNDAY OR LEGAL HOLIDAYS, UNLESS OTHERWISE APPROVED BY THE OWNER. IN ADDITION, ANY SUCH DEVICE SHALL NOT BE OPERATED AT ANY TIME OR SUCH MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEED THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT. THE OWNER HAS THE AUTHORITY TO PROHIBIT THE USE OF ANY EQUIPMENT THAT VIOLATES THESE REQUIREMENTS.
- 10. SAFE PEDESTRIAN INGRESS AND EGRESS FOR ALL PROPERTIES ADJACENT TO THE IMPROVEMENT MUST BE PROVIDED AT ALL TIMES.
- 11. ALL CATCH BASINS WITHIN 100 FEET OF THE PROJECT AREA SHALL BE COMPLETELY AND THOROUGHLY CLEANED AT THE CONCLUSION OF CONSTRUCTION AND PRIOR TO PROJECT ACCEPTANCE.
- 12. ANY REVISIONS TO THE ACCEPTED CONSTRUCTION PLANS SHALL BE REVIEWED AND APPROVED BY THE OWNER PRIOR TO IMPLEMENTATION IN THE FIELD.
- 13. 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.
- 14. THE CONTRACTOR SHALL CONSTRUCT THIS PROJECT IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL BUILDING CODES.
- 15. ALL EXCAVATIONS ARE TO BE SECURED AND PROTECTED AT ALL TIMES.
- 16. ANY DISTURBED AREA WHICH ARE NOT SCHEDULED FOR CONSTRUCTION ACTIVITIES WITHIN FOURTEEN (14) DAYS OF DISTURBANCE SHALL BE TEMPORARILY STABILIZED.
- 17. ALL SEDIMENT AND EROSION CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- 18. ALL POLLUTANTS OTHER THAN SEDIMENT THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND LEGALLY DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORM OR SURFACE WATERS. POLLUTANTS OF CONCERN INCLUDE, BUT ARE NOT LIMITED TO, FUELS, LUBRICANTS, SOLVENTS, CONCRETE BI-PRODUCTS AND CONSTRUCTION MATERIALS.
- 19. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SECURITY OF ALL STORED MATERIALS.
- 20. CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF ALL EXISTING BARNS, SHEDS, STRUCTURES, 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.
- 21. AS BUILT RECORDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A SET OF PROJECT RECORD DOCUMENTS. THESE DOCUMENTS SHALL INCLUDE REVIEWED SHOP DRAWINGS, CHANGE ORDERS, EQUIPMENT OPERATING INSTRUCTIONS, FIELD TEST RECORDS, AND AS BUILT DRAWINGS. THE AS BUILT DRAWINGS SHALL BE MARKED LEGIBLY IN RED WITH THE ACTUAL LOCATION OF EQUIPMENT AND CONDUITS AS CONSTRUCTED. ALL EQUIPMENT AND UNDERGROUND CONDUITS INSTALLED SHALL HAVE LOCATIONS MARKED IN DISTANCE OFF A LANDMARK AT LEAST EVERY 25 FEET AND AS NECESSARY AT BENDS FOR LOCATING AT A LATER DATE. FINAL DOCUMENTS AND PLANS SHALL BE DELIVERED TO THE OWNER.

DRAINAGE, SOIL EROSION, SEDIMENT, AND DUST CONTROL:

- 1. POSITIVE DRAINAGE OF ALL CONSTRUCTION AREAS SHALL BE MAINTAINED AT ALL TIMES.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SOIL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH ODOT ITEM 670, OHIO RAINWATER AND LAND DEVELOPMENT MANUAL AND AS REQUIRED BY THE MAHONING COUNTY SOIL AND WATER CONSERVATION DISTRICT.
- 3. THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY, SUCH AS CALCIUM CHLORIDE, WATER OR A MOTORIZED DUST-FREE STREET SWEEPING DEVICE PERFORMED DAILY OR AS DIRECTED BY THE OWNER, TO MAINTAIN ALL PAVED AREAS AFFECTED BY THE CONSTRUCTION.

MATERIAL DISPOSAL AND TEMPORARY SURFACES:

- 1. THE REMOVAL AND DISPOSAL OF ALL SURPLUS EXCAVATED MATERIAL AND CONSTRUCTION DEBRIS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR ULTIMATE DISPOSAL. THE DISPOSAL OF ALL CONSTRUCTION DEBRIS SHALL BE AT A LOCATION APPROVED BY THE OWNER. THE DISPOSAL OF ALL "CLEAN" WASTE MATERIAL SHALL BE AT APPROVED LANDFILLS, AND/OR OTHER SITES APPROVED BY THE OWNER. THE DISPOSAL OF EXISTING PIPELINE AND TANK SEDIMENTS AND WASTEWATER SLUDGE SHALL BE AT AN APPROVED LOCATION. THE CONTRACTOR SHALL OBTAIN ALL APPROVALS, PERMITS, LICENSES, ETC. FROM LOCAL, STATE AND FEDERAL AGENCIES AND/OR PRIVATE LANDOWNERS. THE CONTRACTOR SHALL FURNISH THE OWNER A COPY OF ALL APPROVALS OR WRITTEN PERMISSION PRIOR TO DISPOSING OF ANY WASTE AT SAID SITE.
- 2. TEMPORARY SURFACES WHERE EXCAVATION ARE LOCATED IN STREETS, DRIVES AND PARKING AREAS SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR AND SHALL BE FULLY MAINTAINED TO MINIMIZE INCONVENIENCE TO THE PUBLIC AT NO ADDITIONAL COST TO THE OWNER.
- 3. THE ABOVE DESCRIBED WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF ALL WORK AND INCLUDED IN THE RESPECTIVE PAY ITEMS AND SHALL NOT BE A SEPARATE PAY ITEM.

UTILITIES:

1. 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 OHIO811 (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.

2. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS CFR 1926 SUBPART P - EXCAVATIONS. NO EXTRA PAYMENTS WILL BE CONSIDERED FOR ANY AND ALL COSTS INCURRED WHILE MEETING THIS REQUIREMENT. THE CONTRACTOR SHALL SUPPLY AND DESIGNATE THE "COMPETENT PERSON" PER CFR 1926.650(B). THE NAME OF THIS PERSON SHALL BE SUBMITTED TO THE OWNER PRIOR TO THE START OF CONSTRUCTION.

3. 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.

4. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST THREE (3) WORKING 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.

5. 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 AND PROPERTY OWNER.

6. 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.

7. 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. CABLE RELOCATION AND SUPPORT COST SHALL BE INCLUDED IN OTHER BID ITEMS.

8. WHERE EXISTING POWER OR TELEPHONE POLES ARE IN CLOSE PROXIMITY TO WORK, THE CONTRACTOR SHALL COORDINATE HIS WORK EFFORTS WITH THOSE OF THE UTILITY COMPANIES SUCH THAT THEIR EXISTING FACILITIES CAN BE MAINTAINED AND PROTECTED DURING THE TIME WORK IS GOING ON ADJACENT TO THE POLE. THE COST FOR ANY REQUIRED PROTECTION OR RELOCATION OF EXISTING POWER OR TELEPHONE POLES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NOT BE THE RESPONSIBILITY OF THE OWNER.

9. SHOULD IT BECOME NECESSARY TO CHANGE THE POSITION OR TEMPORARILY REMOVE ANY STORM DRAIN, SANITARY SEWER, ELECTRIC CONDUITS, WATER PIPES, GAS PIPES, PROCESS OR OTHER PIPES OR WIRES 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 OWNER OF THE LOCATION AND CIRCUMSTANCES AND SHALL CEASE WORK, IF NECESSARY, UNTIL SATISFACTORY ARRANGEMENTS HAVE BEEN MADE BY THE OWNERS OF SAID PIPES OR WIRES 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.

EXCAVATION, BACKFILL AND COMPACTION:

1. ALL EXCAVATION WILL BE CONSIDERED UNCLASSIFIED, NO ADDITIONAL COMPENSATION WILL BE ALLOWED THE CONTRACTOR FOR ROCK OR SHALE EXCAVATION.

2. ALL AGGREGATE FILL WILL BE AS DESCRIBED IN THE SPECIFICATIONS FOR SPECIFIC SITE WORK. ALL EXCAVATION FROM THIS SITE WILL BE REMOVED FROM SITE AND WILL NOT BE CONSIDERED ACCEPTABLE AS BACKFILL, UNLESS APPROVED BY OWNER. UPON REQUEST, THE OWNER WILL PROVIDE ACCESS TO THE SITE FOR THE CONTRACTOR TO CONDUCT SUCH INVESTIGATION AND TESTS DEEMED NECESSARY TO MAKE HIS DETERMINATION. NO EXTRA PAYMENT WILL BE MADE TO DISPOSE OF UNSUITABLE MATERIAL OR FURNISH AND PLACE SUITABLE MATERIAL MEETING THE ODOT REQUIREMENTS FOR "COMPACTED BACKFILL".

CONTRACTOR SHALL SELECT EQUIPMENT TO MINIMIZE OVERBURDEN LOAD BETWEEN THE RESIDENTIAL STRUCTURES

4. CONTRACTOR SHALL SUBMIT LOG OF EQUIPMENT WHICH WILL BE USED ON SITE AND NOTE ANY PRECAUTIONS WHICH WILL BE TAKEN TO MINIMIZE EXCESSIVE LOADING BETWEEN THE STRUCTURES, AND MINIMIZE RISK TO STRUCTURES WITH REGARD TO SCHEDULE AND WEATHER CONDITIONS.

5. EXCAVATION SHALL NOT TAKE PLACE WITHOUT A CONSTRUCTION REPRESENTATIVE (OWNER'S REPRESENTATIVE) ON

6. SLAG PRODUCTS OR CRUSHED CONCRETE WILL NOT BE PERMITTED FOR BEDDING, BACKFILL, OR TRAFFIC COMPACTED SURFACE.

7. ALL UTILITY LINES CROSSING THE NEW EXCAVATION, (I.E. STORM SEWERS, STORM LATERALS, WATERLINES, WATERLINE CONNECTIONS, SANITARY SEWERS, SANITARY LATERALS, GAS MAINS, GAS SERVICE CONNECTIONS, UNDERGROUND OCT CONDUITS. CABLE TV LINES) SHALL BE PROTECTED AND SUPPORTED WITH HARDWOOD PLANKS OR REMOVED AND REPLACED, RECONNECTED AND SUPPORTED ACROSS THE ENTIRE WIDTH OF THE EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE PAID FOR THE ABOVE WORK UNLESS ANY OF THE ABOVE UTILITIES ARE ENCOUNTERED AND NOT SHOWN ON THE DRAWINGS.

8. ANY COMPACTION TESTING REQUIRED AT THE SOLE DISCRETION OF THE ENGINEER SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

9. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND MANAGEMENT OF ALL GROUNDWATER AND SURFACE WATER AS NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS.

PROHIBITED CONSTRUCTION ACTIVITIES:

1. THE USE OF EXPLOSIVES WITHIN MUNICIPAL LIMITS.

2. PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS DIRECTLY INTO ANY SURFACE WATERS, STREAM CORRIDORS, OR STORM SEWERS; ALL SUCH WATER WILL BE PROPERLY FILTERED OR SETTLED TO REMOVE SILT PRIOR TO RELEASE.

3. DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWAGE, OR ANY OTHER HARMFUL WASTE INTO OR ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO.

4. NO SURFACE, GROUND OR TRENCH WATER SHALL BE ALLOWED TO FLOW INTO EXISTING SANITARY SEWERS.

5. OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT.

6. 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.

7. 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 OWNER.

8. CLOSING OFF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE OR BOULEVARD WITHOUT THE PRIOR CONSENT OF MUNICIPAL OFFICIALS AND THE OWNER AND CLOSING CLEAR ACCESS:

8.1. BY FIRE PROTECTION EQUIPMENT AND EMERGENCY VEHICLES;

8.2. BY THE PUBLIC TO ANY COMMERCIAL OR PROFESSIONAL PLACE OF BUSINESS, QUASI-PUBLIC OR PUBLIC ESTABLISHMENT, OR PLACE OF RESIDENCE; OR

8.3. BY VEHICLES TO DRIVEWAYS WITHOUT THE PROVISION OF ALTERNATIVE MEANS OF BUILDING INGRESS AND EGRESS.

STORM SEWER SYSTEM NOTES:

- ZONE OF INFLUENCE.
- PRIOR TO INSTALLATION OR WORK WITHIN AREA OR CONCERN.
- GROUNDWATER COLLECTED NEAR THE FOOTER.
- LINES UNLESS DIRECTED OTHERWISE WITHIN.
- DRAINAGE TO THE STRUCTURE.
- SEE "DRAIN PIPE CONNECTION DETAIL".

- 12. ALL GRATES SHALL BE BICYCLE SAFE, UNLESS OTHERWISE NOTED.
- ORDERING MATERIALS.
- INCIDENTAL TO THE PROJECT.

GENERAL SITE RESTORATION:

- OR ANY OTHER AREAS DISTURBED BY CONSTRUCTION.
- FOR OTHER RELATED ITEMS OF WORK.

1. CONTRACTOR SHALL FILL ALL VOIDS AT PIPE CONNECTIONS TO EXISTING & NEW CATCH BASINS INSIDE & OUTSIDE WITH NON-SHRINK GROUT. GROUT WATER-TIGHT AND FLUSH TO ALL INTERIOR WALLS.

2. THE CONTRACTOR SHALL CONFIRM CONNECTIVITY OF DOWNSPOUTS BY DYE TESTING.

3. PRIOR TO COMMENCING EXCAVATION FOR THE REMOVAL AND REPLACEMENT OF THE STORM SEWER, CONTRACTOR SHALL POTHOLE, LOCATE AND CONFIRM ELEVATION AND LOCATION OF FOOTINGS. REPORT FINDINGS TO ENGINEER REGARDING LOCATION OF FOOTER AND CONFIRM THE EXCAVATION LIMITS RELATIVE TO

4. IF REMOVAL OF EXISTING TRIPLE BARREL STORM SEWERS INFRINGES UPON ZONE OF INFLUENCE, CONTRACTOR IS RESPONSIBLE FOR SHORING DESIGNED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF OHIO INCLUDING STAMPED DESIGN TO BE SUBMITTED TO THE ENGINEER. THE ENGINEER MUST APPROVE SHORING

5. RECONNECT FOOTER DRAINS IF NEEDED, ENSURE PROPER DRAINAGE. COORDINATE WITH HOMEOWNER AS NECESSARY. IF DRAINS ARE DYSFUNCTIONAL, REPLACE FOOTER DRAINS TO ASSURE ADEQUATE DRAINAGE OF

6. CONTRACTOR SHALL RE-CONNECT ALL ENCOUNTERED DOWNSPOUT DRAINS AND OTHER STORM SEWER DRAIN

7. ALL EXISTING UTILITY LINE ELEVATIONS SHOWN ARE ESTIMATED AND MUST BE FIELD DETERMINED BY THE CONTRACTOR. CONFLICTS MUST BE RESOLVED BY THE CONTRACTOR AND THE UTILITY OWNER.

8. FINAL INLET BASIN RIMS TO BE 3" BELOW FINAL LAWN GRADE IN UNPAVED AREAS TO ALLOW FOR POSITIVE

9. WHEN CONNECTING EXISTING STORM SEWER OR STORM UNDERDRAIN LINES TO A NEW STORM SEWER OR STRUCTURE, CONTRACTOR SHALL MAKE CONNECTION BY INSTALLING A MIN 5'-0" NEW STORM SEWER DRAIN LINE (MATCH EXISTING DIA.) & A SILT TIGHT COUPLING OR CONCRETE ENCASED JOINT AS APPROVED BY THE OWNER

10. PROPOSED STORM SEWER PIPE JOINTS AND FITTINGS SHALL BE WATERTIGHT.

11. INSTALL SILT SACK IN ALL CATCH BASINS, REMOVE WHEN DISTURBED AREAS ARE STABILIZED.

13. NO PIPES SHALL ENTER ANY INLET BOXES OR CATCH BASINS AT THE CORNERS.

14. PRIOR TO ORDERING CATCH BASIN AND MANHOLE STRUCTURES FOR REPLACEMENT/INSTALLATION, THE CONTRACTOR SHALL INSPECT EACH LOCATION TO FIELD VERIFY EXISTING STORM CATCH BASIN AND MANHOLE SIZES AND INVERTS, AS WELL AS ALL PIPE MATERIALS, SIZES, ALIGNMENT AND INVERTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONNECTION OF ALL EXISTING, ACTIVE SEWERS AT EACH STRUCTURE LOCATION, UNLESS OTHERWISE NOTED IN THE PLANS. THE COSTS FOR INSPECTIONS SHALL BE INCLUDED IN THE UNIT PRICE STIPULATED FOR STRUCTURES TO BE REMOVED AND REPLACED OR INSTALLED. THE RESULTS OF THE CONTRACTOR SURVEY SHALL ALSO BE SHARED WITH THE ENGINEER'S REPRESENTATIVE PRIOR TO

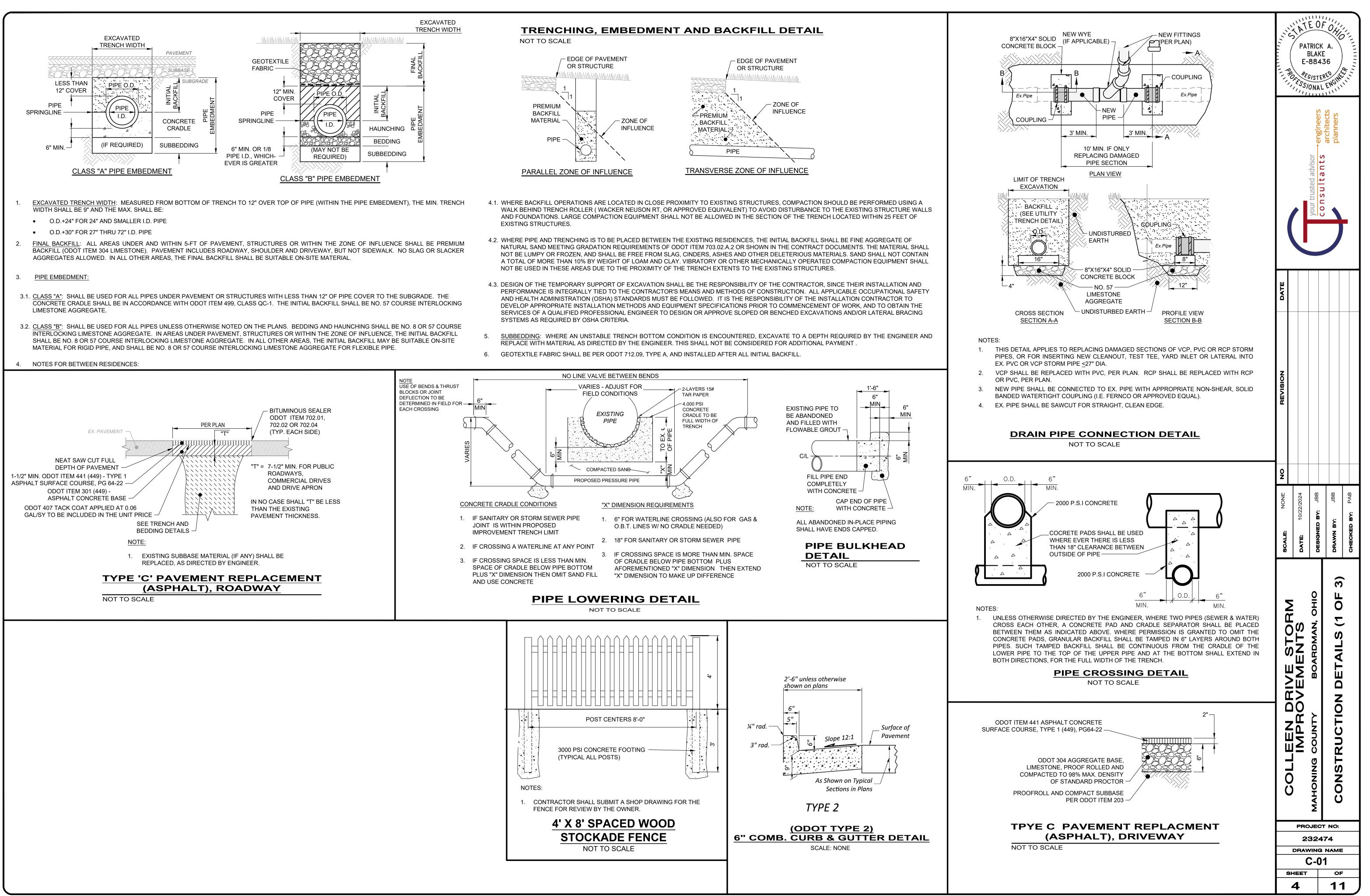
15. ALL SAW CUTS, SHALL BE FULL DEPTH ACCOMPLISHED USING A DIAMOND BLADE SAW. SAW CUTS ARE

1. CONTRACTOR SHALL RESTORE ANY DISTURBED AREAS CAUSED FROM CONSTRUCTION TO PRE-CONSTRUCTION CONDITIONS OR BETTER; INCLUDING PAVEMENT, LAWN, LANDSCAPING, STRUCTURES, YARD APPURTENANCES,

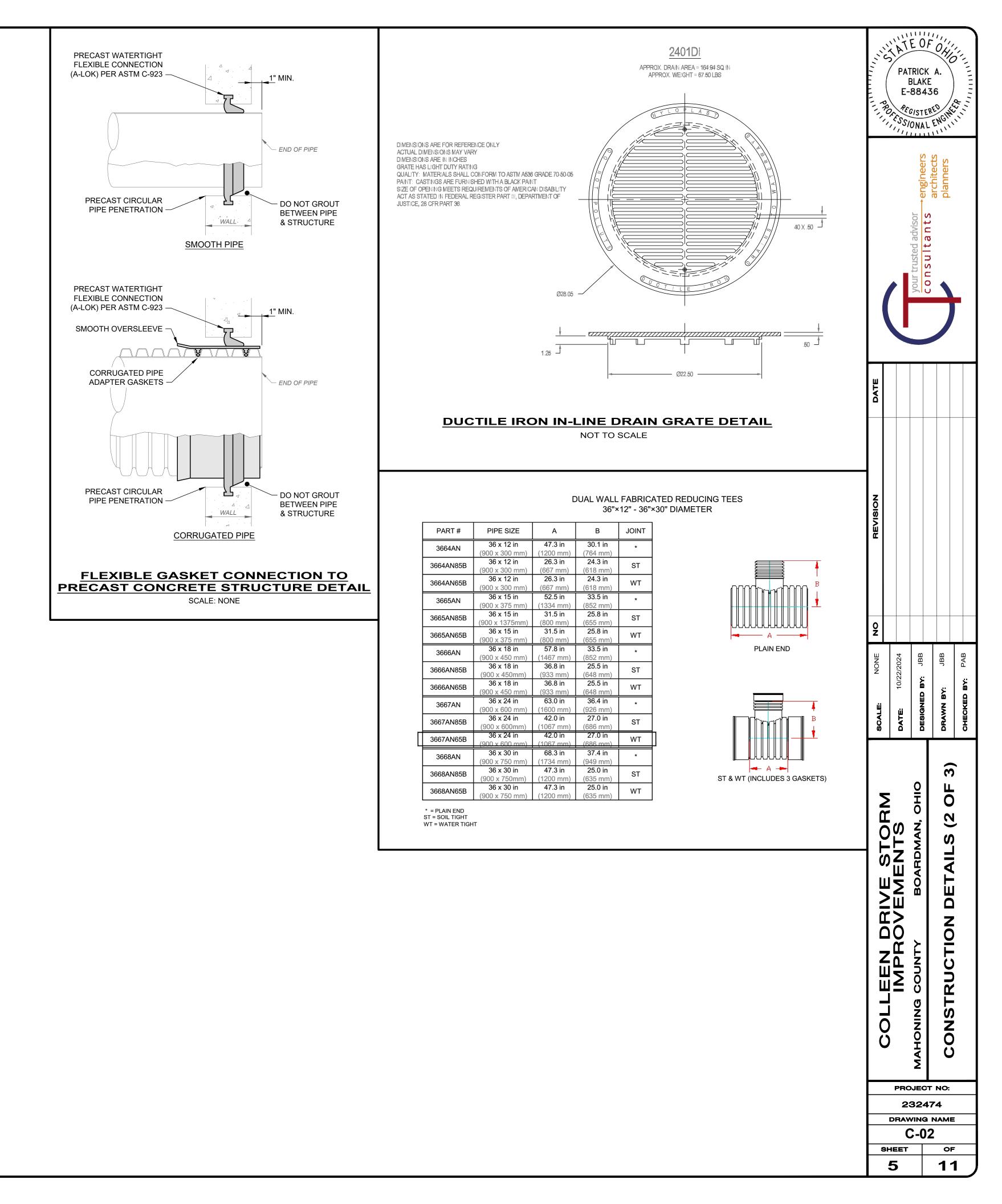
2. ALL GRASS AREAS ARE TO BE RESTORED UNLESS OTHERWISE SHOWN ON THE CONTRACT DRAWINGS.

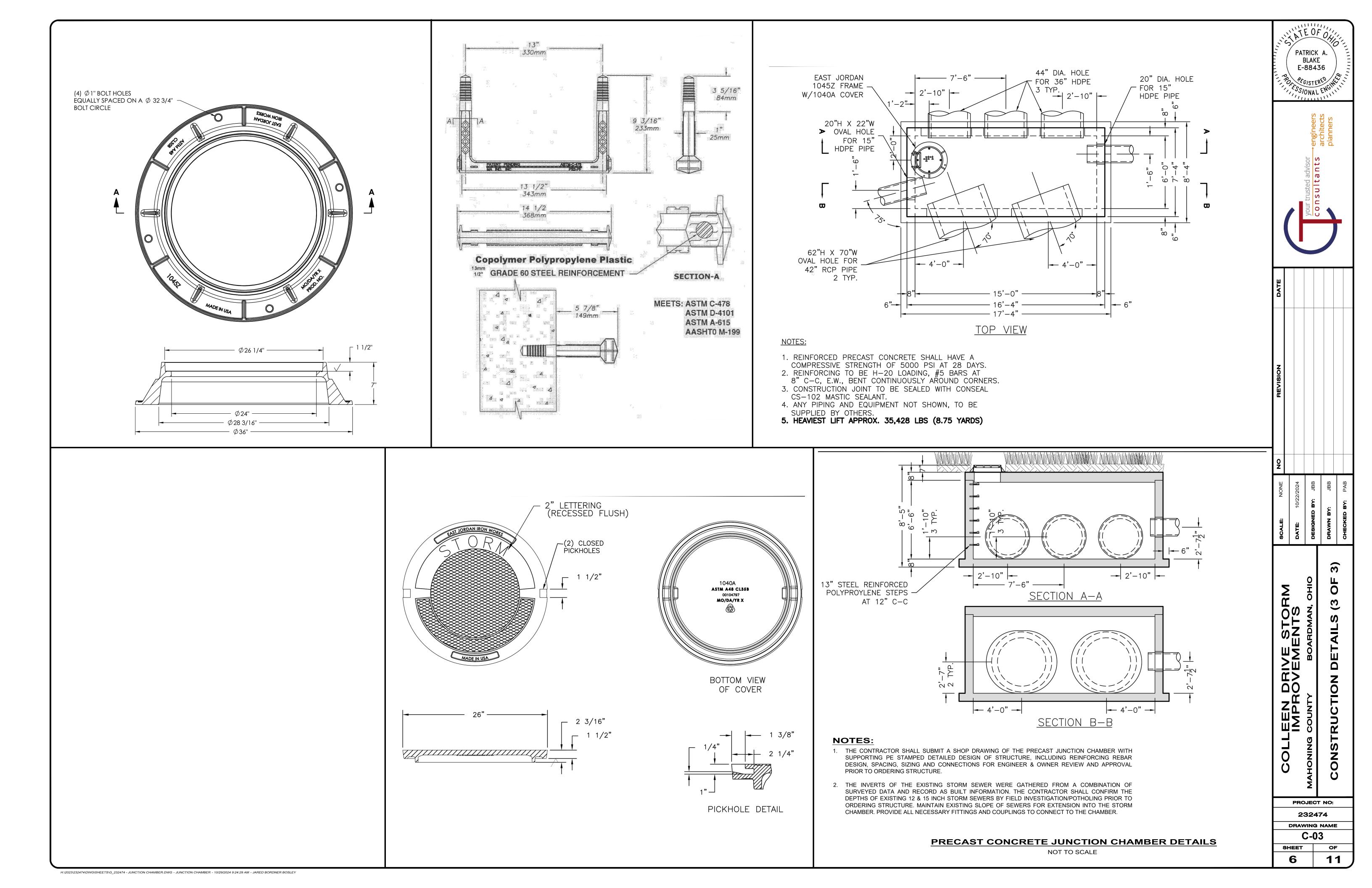
3. ALL EXISTING STORM SEWER FACILITIES, INCLUDING TILE, DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED, REPLACED, OR RECONNECTED TO THE EXISTING OR PROPOSED SYSTEM. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK. THE CONTRACTOR SHALL INCLUDE THE COST OF SUCH WORK IN THE UNIT PRICE

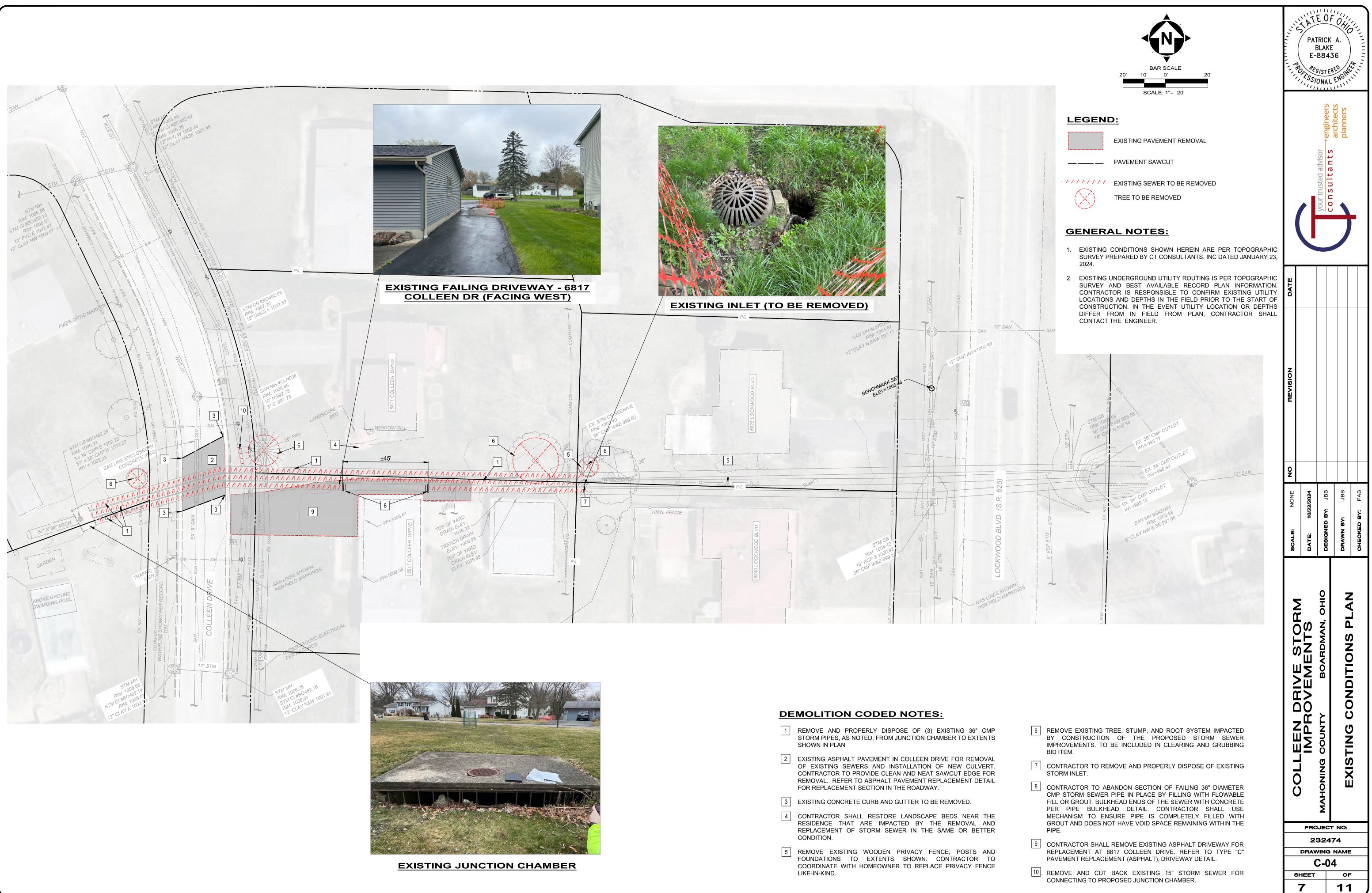
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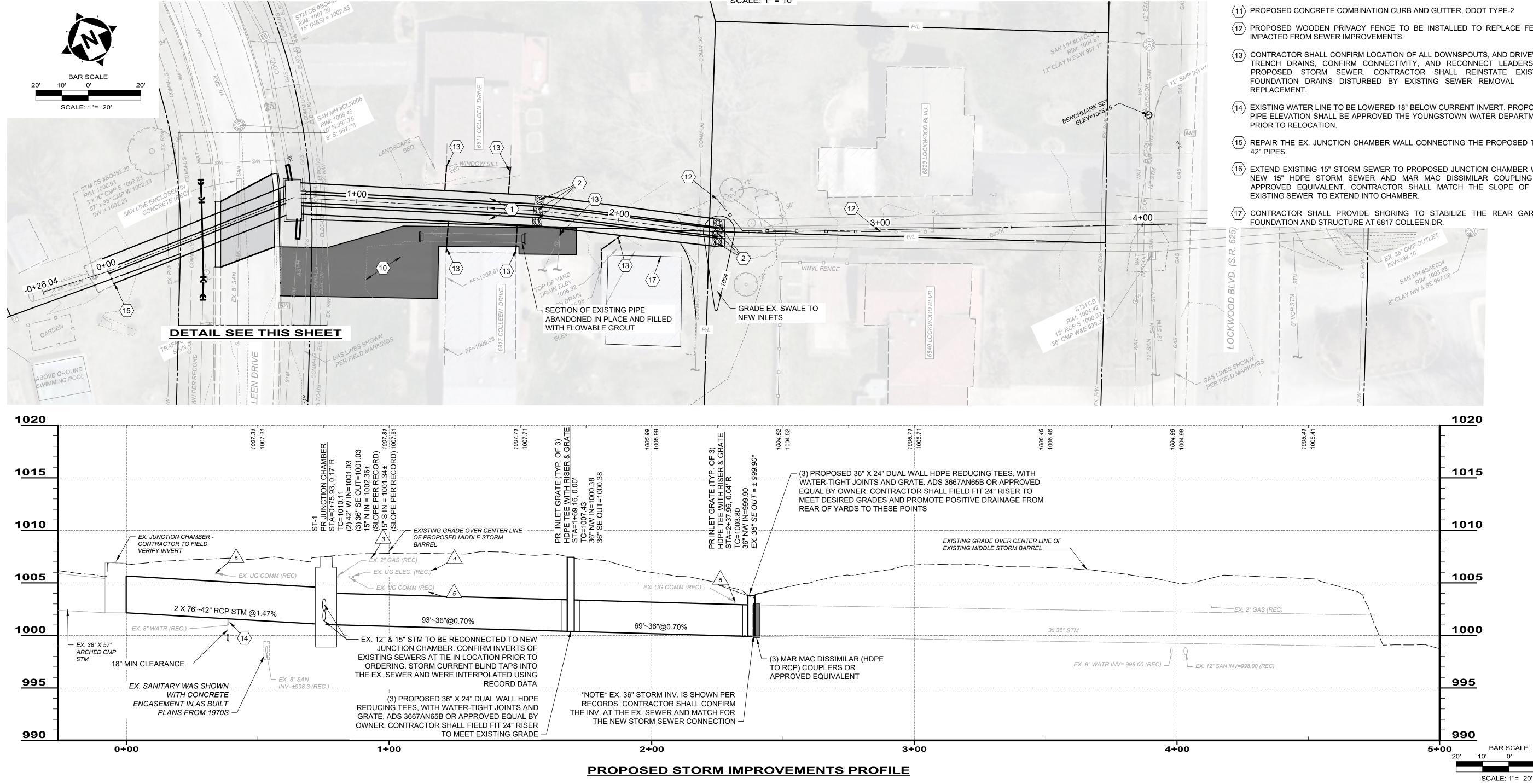
SITE GENERAL NOTES:

- EXISTING CONDITIONS SHOWN HEREIN ARE PER TOPOGRAPHIC SURVEY PREPARED BY CT CONSULTANTS. INC DATED JANUARY 23, 2024.
- 2. EXISTING UNDERGROUND UTILITY ROUTING IS PER TOPOGRAPHIC SURVEY AND BEST AVAILABLE RECORD PLAN INFORMATION. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING EXISTING UTILITY LOCATIONS AND DEPTHS IN THE FIELD PRIOR TO CONSTRUCTION. IN THE EVENT UTILITY LOCATION DIFFERS IN FIELD FROM PLAN, CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER.
- CONTRACTOR TO RECONNECT ALL ACTIVE EXISTING DRAIN LINES AND ROOF DRAINS, SHOWN OR NOT SHOWN IN THE PLANS, TO THE PROPOSED STORM SEWER SYSTEM - SEE 'DRAIN PIPE CONNECTION DETAIL. ANY AND ALL STORM STRUCTURES, PIPES, DRAINS, ETC. NOT ILLUSTRATED IN THE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER AND DYE-TESTED TO DETERMINE THE FLOW PATH.
- THE PROPOSED IMPROVEMENTS ARE INTENDED TO TIE-IN TO EXISTING, SURROUNDING GRADES AND MAINTAIN EXISTING ELEVATIONS, UNLESS OTHERWISE NOTED IN THE PLANS.
- 5. ALL INTERFACES BETWEEN PROPOSED CONCRETE CURBING AND ASPHALT PAVEMENT, ASPHALT JOINTS AT PROPOSED SAWCUTS, AND BETWEEN PROPOSED CONCRETE AND ASPHALT SURFACES SHALL BE NEATLY SEALED WITH A RUBBERIZED ASPHALT SEALANT
- CONTRACTOR TO COORDINATE WITH HOMEOWNER(S) AND NOTIFY HOMEOWNER(S) OF TEMPORARY DISTURBANCES TO BE EXPECTED RESULTING FROM CONSTRUCTION INCLUDING START DATES AT LEAST 48 HOURS IN ADVANCE.

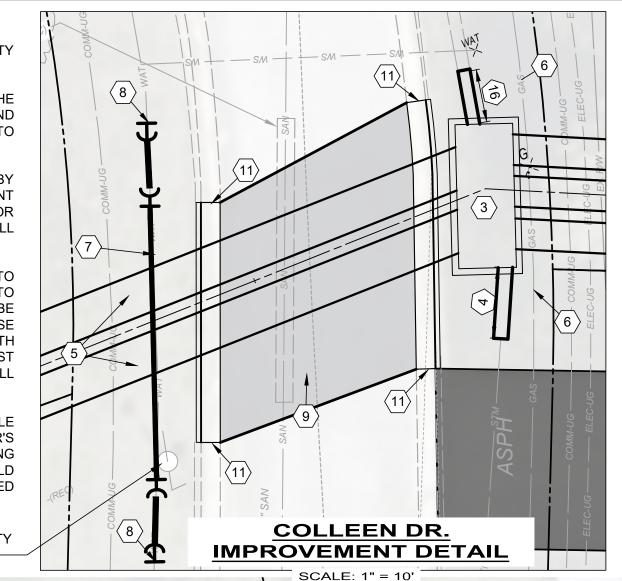
UTILITY RELOCATION NOTES:

- CONTRACTOR SHALL COORDINATE AND COMMUNICATE WITH UTILITY COMPANIES PRIOR TO WORK IN AND AROUND BURIED UTILITIES.
- /2 CITY OF YOUNGSTOWN WATERLINE RELOCATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING INSTALLATION AND DISINFECTION. CITY OF YOUNGSTOWN MUST BE ON THE SITE TO COORDINATE WITH HOMEOWNERS, FLUSH, AND SAMPLE THE SYSTEM.
- RELOCATION OF BURIED GAS UTILITIES WILL BE PERFORMED BY ENBRIDGE'S CONTRACTOR. ENBRIDGE WILL CUT AND CAP A SEGMENT OF THE EX. BURIED GAS LINE IN EXTENTS OF THE SEWER WORK PRIOR TO THAT WORK BEGINNING. OWNER'S CONTRACTOR SHALL COORDINATE THIS WORK.
- /4 OWNER'S CONTRACTOR SHALL COORDINATE WITH FIRST ENERGY TO DEENERGIZE EXISTING UNDERGROUND ELECTRIC SERVICES PRIOR TO CONSTRUCTION. DEENERGIZING EXISTING SERVICES SHALL BE PERFORMED BY THE UTILITY COMPANY CONTRACTOR AT THE EXPENSE OF OWNER'S CONTRACTOR. ANY CONDUIT IN THE WORK AREA WITH BEDDING/BACKFILL DISTURBED SHALL BE RESTORED PER FIRST ENERGY TRENCH STANDARDS. OWNER'S CONTRACTOR SHALL COORDINATE THIS WORK BY OTHERS WITH HIS OWN SCHEDULE.
- THERE WILL BE NO RELOCATION OF BURIED TELECOM (AT&T) OR CABLE (ARMSTRONG). IT WILL BE THE RESPONSIBILITY OF OWNER'S CONTRACTOR TO PROTECT THESE BURIED UTILITIES DURING CONSTRUCTION. OWNER'S CONTRACTOR SHALL CONDUCT FIELD INVESTIGATION AND VALIDATE LOCATION AND DEPTHS OF BURIED UTILITIES PRIOR TO CONSTRUCTION.

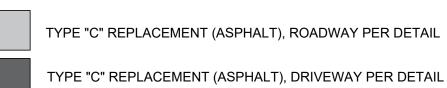
CONTRACTOR TO SUPPORT EX. UTILITY POLE



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LEGEND:



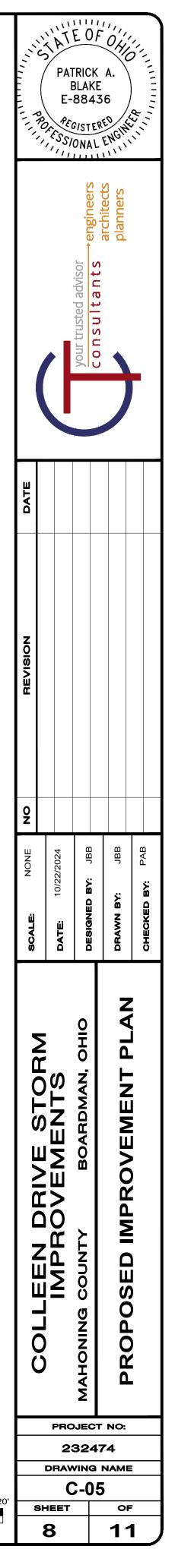


PROPOSED GRATE

SITE CODED NOTES:

- CONTRACTOR SHALL INSTALL 3 PROPOSED HDPE 36" DIAMETER STORM SEWER WITH WATER TIGHT JOINTS. JOINT SPACING (PIPE SEGMENT LENGTHS) NOT TO EXCEED 20-FT IN ORDER TO MINIMIZE RISK ASSOCIATED WITH EXCAVATION. CONTRACTOR SHALL EXERCISE CAUTION WORKING BETWEEN THE EXISTING RESIDENCES. WHERE BACKFILL OPERATIONS ARE LOCATED IN CLOSE PROXIMITY TO EXISTING STRUCTURES, COMPACTION SHOULD BE PERFORMED USING A WALK BEHIND TRENCH ROLLER TO AVOID DISTURBANCE TO THE EXISTING STRUCTURE WALLS AND FOUNDATIONS. LARGE COMPACTION EQUIPMENT SHALL NOT BE ALLOWED IN THE SECTION OF TRENCH LOCATED WITHIN 25 FEET OF EXISTING STRUCTURES. REFER TO TRENCH BEDDING DETAILS FOR MORE INFORMATION ON BEDDING AND BACKFILL.
- $\langle 2 \rangle$ proposed 36" X 24" dual wall hdpe reducing tees, with water-tight JOINTS AND GRATE. ADS 3667AN65B OR APPROVED EQUAL BY OWNER. (9) PROPOSED ASPHALT ROADWAY PAVEMENT REPLACEMENT WITHIN COLLEEN DR. FITTINGS & GRATE TO BE INCLUDED IN UNIT PRICE OF 36" CONDUIT. IMPACTED BY STORM SEWER REMOVAL AND NEW SEWER INSTALLATION. CONTRACTOR SHALL FIELD FIT 24" RISER TO MEET PROPOSED GRADES (TYP OF 3). PROVIDE POSITIVE DRAINAGE TO GRATES.

- $\langle 3 \rangle$ proposed reinforced concrete storm chamber. Refer to CONSTRUCTION DETAILS FOR DIMENSIONS AND GENERAL LAYOUT. CONTRACTOR SHALL SUBMIT PROFESSIONAL ENGINEER STAMPED SHOP DRAWINGS AND CUT SHEETS DETAILING STRUCTURAL DESIGN AND REINFORCEMENT SCHEDULE TO ENGINEER FOR APPROVAL PRIOR TO ORDERING. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING INFLUENT SEWER PIPES AND PROVIDE REQUIRED MEANS AND MATERIALS TO CONNECT THE EXISTING INFLUENT STORM SEWER PIPES TO THE NEW STRUCTURE. REFER TO CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.
- $\langle 4 \rangle$ extend existing 12" storm sewer to proposed junction chamber with NEW 15" HDPE STORM SEWER AND MAR MAC DISSIMILAR COUPLING OR APPROVED EQUIVALENT. CONTRACTOR SHALL MATCH THE SLOPE OF THE EXISTING SEWER TO EXTEND INTO CHAMBER.
- $\langle 5 \rangle$ PROPOSED TWIN 42" RCP PIPES.
- \langle 6 \rangle DOMINION TO CUT AND CAP EX. GAS LINE.
- 7 > LOWERING EX 8" WATER LINE, USE 45° LONG SWEEPING BENDS, PLACE NEW 8" DIP WATER LINE (50-LF) W/ POLYWRAP INSIDE 16" DIAMETER STEEL CASING (25 LF) WITH SPACERS. COORDINATE LOWERING WITH YOUNGSTOWN WATER DEPARTMENT. CONTRACTOR SHALL ABIDE BY ALL CERTIFICATIONS, LAWS AND STATE REGULATIONS PERTAINING TO ASBESTOS PIPE CUTTING AND REMOVAL LOWERING WILL REQUIRE CONTACTING YOUNGSTOWN WATER DEPARTMENT IN ADVANCE TO PLACE USERS UNDER A BOIL ADVISORY.
- $\langle 8 \rangle$ make new water pipe connection to existing water line with a YOUNGSTOWN WATER DEPARTMENT APPROVED PIPE COUPLING (TYP 2)
- $\langle 10
 angle$ PROPOSED TYPE C ASPHALT DRIVEWAY REPLACEMENT.
- $\langle 12 \rangle$ PROPOSED WOODEN PRIVACY FENCE TO BE INSTALLED TO REPLACE FENCE
- (13) CONTRACTOR SHALL CONFIRM LOCATION OF ALL DOWNSPOUTS, AND DRIVEWAY TRENCH DRAINS, CONFIRM CONNECTIVITY, AND RECONNECT LEADERS TO PROPOSED STORM SEWER. CONTRACTOR SHALL REINSTATE EXISTING FOUNDATION DRAINS DISTURBED BY EXISTING SEWER REMOVAL AND
- (14) EXISTING WATER LINE TO BE LOWERED 18" BELOW CURRENT INVERT. PROPOSED PIPE ELEVATION SHALL BE APPROVED THE YOUNGSTOWN WATER DEPARTMENT
- $\langle 15 \rangle$ REPAIR THE EX. JUNCTION CHAMBER WALL CONNECTING THE PROPOSED TWIN
- (16) EXTEND EXISTING 15" STORM SEWER TO PROPOSED JUNCTION CHAMBER WITH NEW 15" HDPE STORM SEWER AND MAR MAC DISSIMILAR COUPLING OR APPROVED EQUIVALENT. CONTRACTOR SHALL MATCH THE SLOPE OF THE
- $\langle 17 \rangle$ Contractor shall provide shoring to stabilize the rear garage

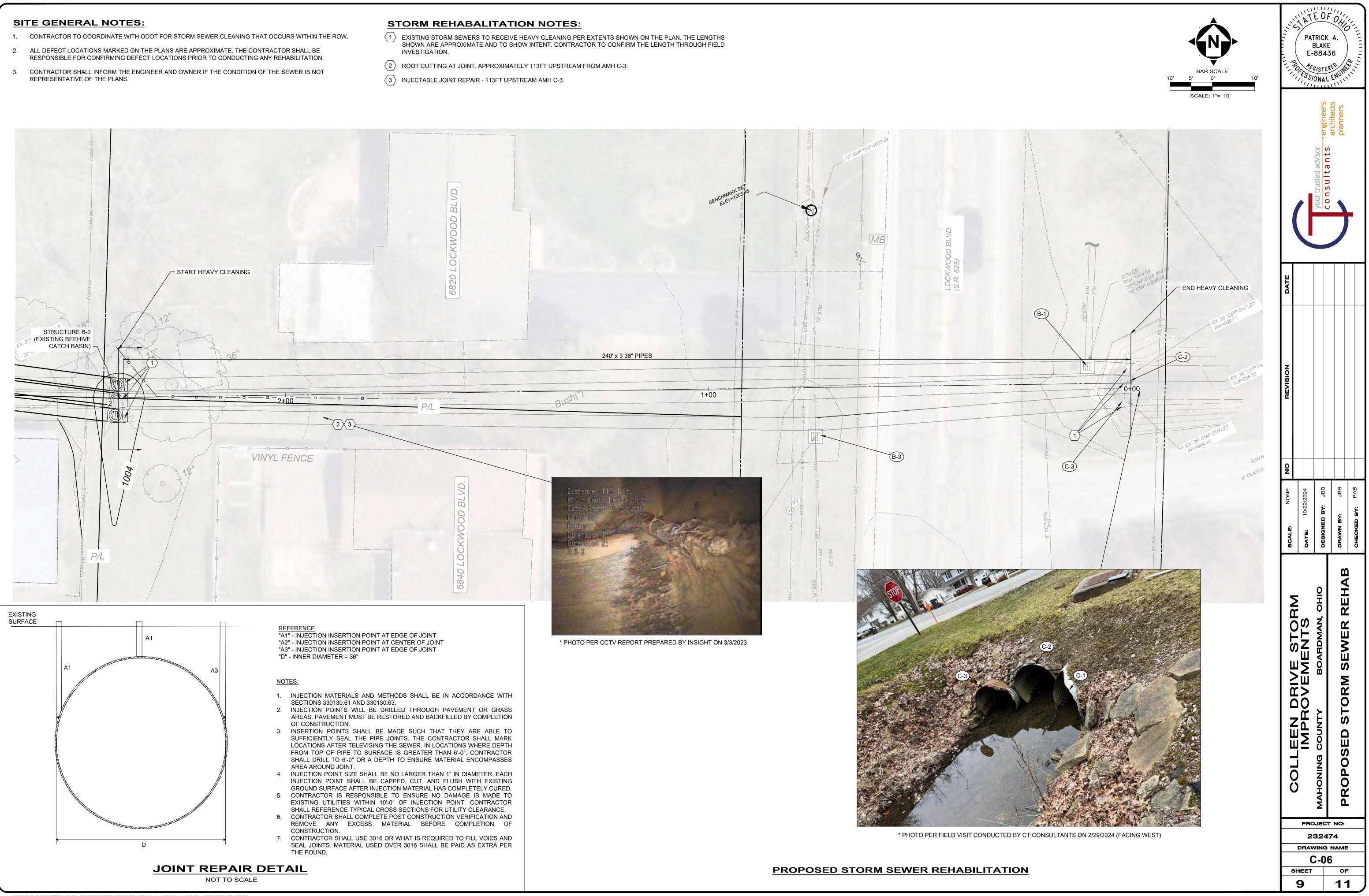


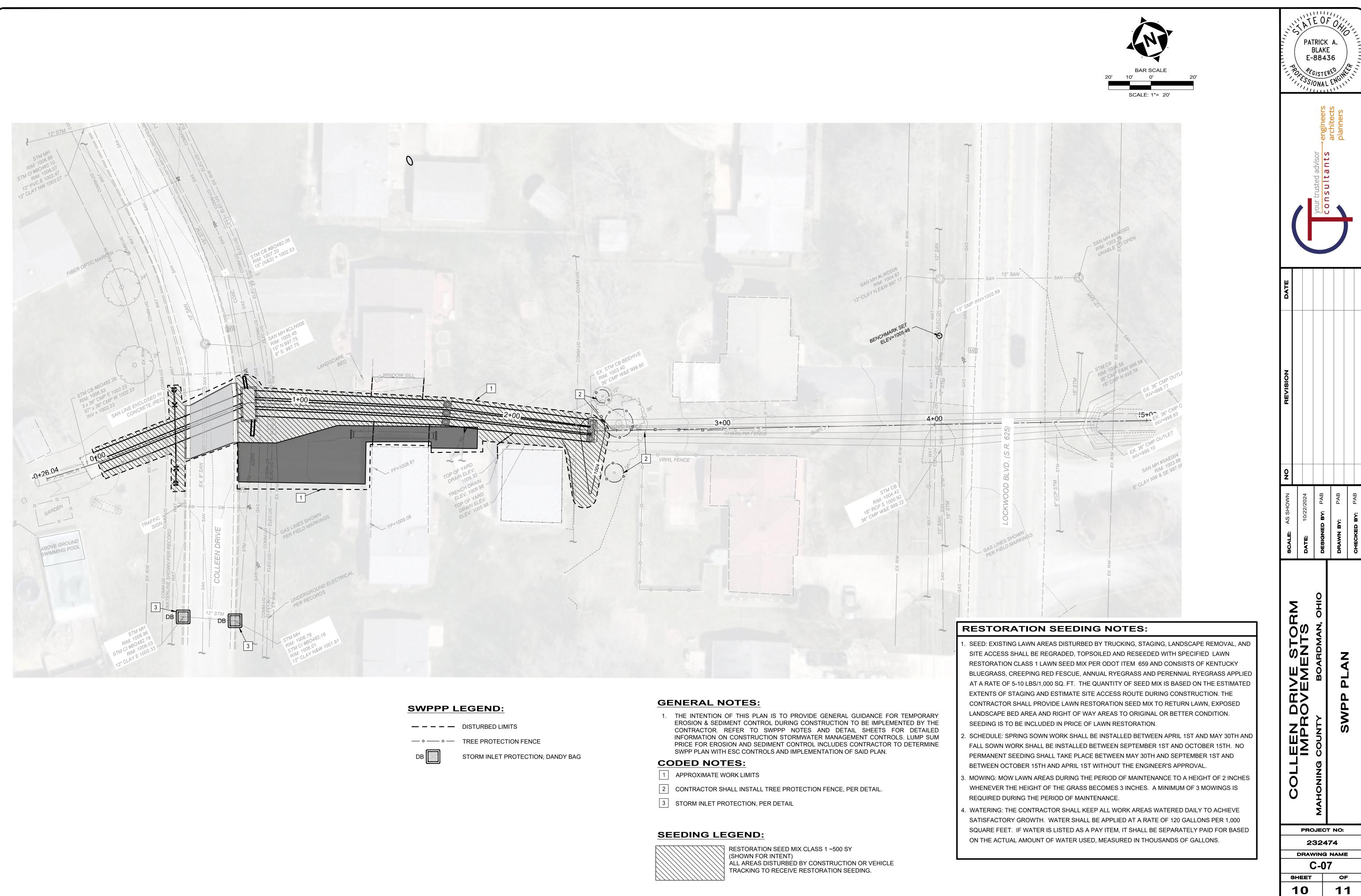


- ALL DEFECT LOCATIONS MARKED ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE
- REPRESENTATIVE OF THE PLANS.

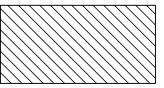


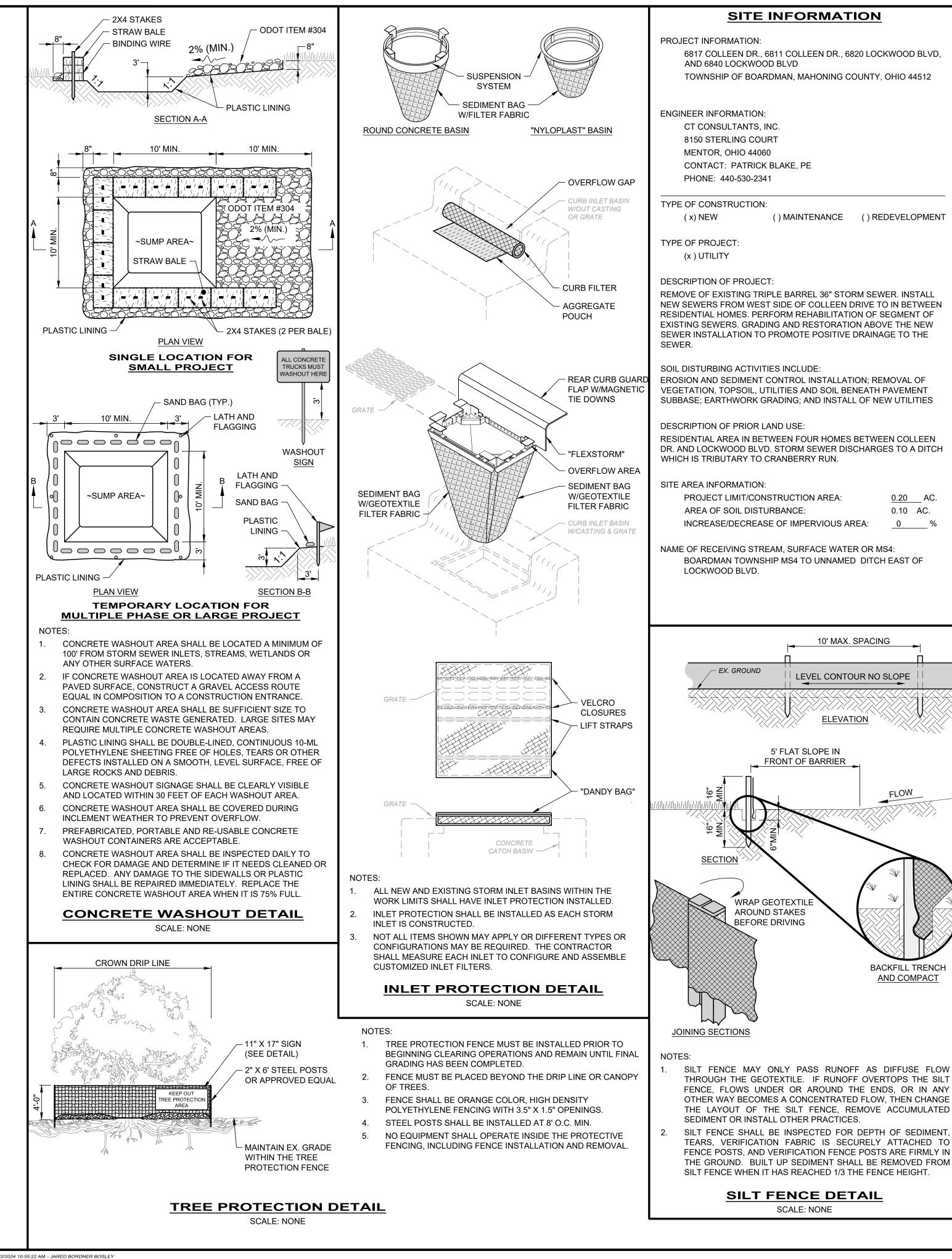
- INVESTIGATION.





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EROSION CONTROL NO

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

AREA REQUIRING TEMPORARY STABILIZATION	TIME FI APPLY C
ANY OTHER AREA TO BE DORMANT MORE THAN 14 DAYS, BUT LESS THAN 1 YEAR	WITHIN 7 DA RECENT DIS
AREA TO REMAIN IDLE OVER WINTER	PRIOR TO O
AREA TO BE PAVED	STABILIZE W SUBBASE UN
AREA REQUIRING PERMANENT STABILIZATION	TIME FI APPLY C
ANY AREA AT FINAL GRADE	WITHIN 7 DA

OTHER WASTE CONTROL

- CONCRETE TRUCKS ARE NOT PERMITTED TO W DISCHARGE SURPLUS CONCRETE OR DRUM WA THE GROUND OR INTO STORM INLETS, DITCHES WETLANDS OR ANY OTHER SURFACE WATERS. CONCRETE AND CONCRETE WASHOUT, INCLUE MIXERS AND LIGHT EQUIPMENT, MUST BE DISPO CONCRETE WASHOUT AREA TO COLLECT AND
- OFF-SITE TRACKING OF SEDIMENT BY CONSTRU MUST BE MINIMIZED. THE CONTRACTOR SHALL ADJACENT ROADS TO REMOVE MUD, DIRT OR F FROM THE SITE AT THE END OF EACH WORK DA REQUIRED DURING THE DAY. DUMP TRUCKS HA FROM THE SITE SHALL BE COVERED WITH A TAP
- IT IS PROHIBITED TO BURN, BURY OR POUR ONT OR INTO STORM INLETS, DITCHES, STREAMS, W OTHER SURFACE WATERS SOLID OR LIQUID WA TRASH, CONSTRUCTION DEBRIS, SOLVENTS, PA GASOLINE, MOTOR OIL, HYDRAULIC FLUID, CEM COMPOUND, ANTIFREEZE OR OTHER TOXIC OR WASTE. WASTE MATERIALS SHALL BE COLLECT SECURELY LIDDED DUMPSTER, DISPOSED OF IN LANDFILL AND EMPTIED AS NECESSARY.

%

- FUEL TANKS, DRUMS AND OTHER CONTAINERS CHEMICALS MUST BE STORED WITHIN A DIKED / VOLUME OF AT LEAST 110% OF THE LARGEST AREA IS NOT NECESSARY IF A SELF-CONTAINED TANK IS USED.
- ANY TOXIC OR HAZARDOUS MATERIAL SPILL, RE SIZE, MUST BE REPORTED WITHIN 30 MINUTES 7 FIRE DEPARTMENT AND OHIO EPA.
- CONTAMINATED SOIL, SOIL WHERE CONSTRUC HAVE BEEN SPILLED OR HAZARDOUS WASTE M BE REMOVED FROM THE SITE AND DISPOSED C ACCORDANCE WITH FEDERAL, STATE AND LOC/
- STORM WATER THAT COMES IN CONTACT WITH SOIL OR HAS A VISIBLE SHEEN MUST BE COLLEC VACUUM TRUCK AND DISPOSED OF AS A WASTE

GENERAL NOTES

- THE CONTRACTOR SHALL REVIEW AND FOLLOW AND REQUIREMENTS PROVIDED IN THE CURREN EPA NPDES PERMIT NO. 3IN00000*HD.
- THIS SWP3 HAS BEEN PREPARED SHOWING THE BELOW, BUT THE CONTRACTOR MAY NEED TO ITEMS AS CONSTRUCTION PROGRESSES OR DU VARIOUS STAGES OF CONSTRUCTION.
- LIMITS OF EARTH DISTURBING ACTIVITY
- EROSION AND SEDIMENT CONTROL MEAS
- INLET PROTECTIONS CONCRETE WASHOUT PIT
- ANY OTHER EROSION CONTROL REQUIRE ALL WORK REQUIRED TO IMPLEMENT THE SW3F
- INSPECTION FEES, MAINTENANCE AND REPAIRS BY AND AT THE EXPENSE OF THE CONTRACTOR THE CONTRACTOR SHALL AMEND THE SW3P WH
- CHANGE IN DESIGN, CONSTRUCTION, OPERATIC MAINTENANCE THAT REQUIRES INSTALLATION (MODIFICATION TO EXISTING BMPS.
- THE CONTRACTOR SHALL FOLLOW THE PRACT REQUIREMENTS PROVIDED IN THE OHIO EPA NP CONSTRUCTION SITE STORMWATER GENERAL AND THE ODNR RAINWATER AND LAND DEVELO
- THE CONTRACTOR SHALL SELECT INDIVIDUALS RESPONSIBLE FOR INSPECTIONS, MAINTENANC ACTIVITIES, AND COMPLETING INSPECTION AND REPORTS. THE CONTRACTOR SHALL COMPLET OF AUTHORITY FOR STORMWATER POLLUTION PLAN" AND PROVIDE A COPY TO THE OWNER AN
- ALL PROCEDURES AND REQUIREMENTS CONTA APPLY TO ALL GENERAL AND SUBCONTRACTOR RESPONSIBILITY OF THE CONTRACTOR TO IMPL REQUIRE AND ENFORCE ALL ASPECTS AND PRO SW3P. THE CONTRACTOR SHALL HAVE ALL SUB THAT ARE OR MAY BE ENGAGED IN ACTIVITIES IMPACT STORMWATER COMPLETE A "SUBCONT AGREEMENT FOR EROSION AND SEDIMENT CON PROVIDE A COPY TO THE OWNER AND SWCD AS CONTRACTOR SHALL ACCEPT FULL RESPONSIB FINES, DAMAGES AND LIABILITY RESULTING FRO PROVIDE THE REQUIRED POLLUTION CONTROL.
- THE CONTRACTOR SHALL KEEP ON-SITE COPIES AND INSPECTION LOGS/REPORTS.
- ALL EROSION AND SEDIMENT CONTROL WORK TO INSPECTION BY THE SWCD.

<u>INOTES</u>	MAINTENANCE REQUIREMENTS		ATE	0		
N TO STABILIZE DRAINAGE FALLS.	1. BMPS SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL UPSLOPE AREAS THEY CONTROL ARE STABILIZED.	10	/		`	Ś
OM DISTURBED AREAS AND	2. THE CONTRACTOR SHALL PROVIDE A QUALIFIED PERSON	Ë (/ PATI B	RICK Lake	1	1111
ABLE. S SHALL BE INITIATED	KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROLS, POSSESS THE TECHNICAL		E-8	3843	36	А
LLOWING TABLES:	SKILLS TO ASSESS SITE CONDITIONS THAT COULD IMPACT STORM WATER QUALITY, AND CAN ASSESS THE	1,10	REG FESSIC	STE	ENGIN	
TIME FRAME TO APPLY CONTROLS	EFFECTIVENESS OF ANY BMP SELECTED. 3. TO DETERMINE IF THE SWP3 WAS PROPERLY IMPLEMENTED.	´	/////		11111	
WITHIN 7 DAYS OF MOST	4. THE QUALIFIED PERSON MUST PREPARE A WRITTEN REPORT			S	S	
RECENT DISTURBANCE	AFTER EACH INSPECTION SUMMARIZING INSPECTION RESULTS INCLUDING THE FOLLOWING:			Jeer	itect	
PRIOR TO ONSET OF	 DATE OF INSPECTION NAME AND QUALIFICATION OF THE INSPECTOR 			engineers	architects planners	
WINTER WEATHER	WEATHER CONDITIONS			Ť		
STABILIZE WITH STONE SUBBASE UNTIL PAVED	LOCATIONS WHERE IN-STREAM OR OFF-SITE SEDIMENTATION OR OTHER POLLUTANTS WERE		*	a n t S		
	OBSERVED.LOCATIONS OF BMPS NEEDING MAINTENANCE.				i	
TIME FRAME TO APPLY CONTROLS	 LOCATIONS OF BMPS FAILING TO OPERATE CORRECTLY OR PROVIDE ADEQUATE PROTECTION. 			S II		
WITHIN 7 DAYS OF	 LOCATION OF AREAS IN NEED OF ADDITIONAL BMPS NOT IN PLACE AT THE TIME OF INSPECTION. 					
REACHING FINAL GRADE	CORRECTIVE ACTIONS REQUIRED, CHANGES TO THE			>		
FROL NOTES	 SW3P AND IMPLEMENTATION DATES. EROSION AND SEDIMENT CONTROL AMENDMENT LOG 					
TTED TO WASH OUT OR	5. ALL INCIDENCES OF NON-COMPLIANCE MUST BE IDENTIFIED IN THE REPORT. IF A REPORT DOES NOT IDENTIFY INCIDENCES					
R DRUM WASH WATER ONTO S, DITCHES, STREAMS,	OF NON-COMPLIANCE, IT MUST CONTAIN A CERTIFICATION THE SITE IS IN COMPLIANCE AT THE TIME OF INSPECTION.					
WATERS. ALL EXCESS	6. THE INSPECTION FREQUENCY MAY BE REDUCED TO 1 TIME PER					
T BE DISPOSED OF IN A ECT AND HARDEN.	MONTH IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WINTER WEATHER (I.E. SUSTAINED SNOW COVER OR EPOZEN GROUND CONDITIONS)	DATE				
CONSTRUCTION VEHICLES	SUSTAINED SNOW COVER OR FROZEN GROUND CONDITIONS). A WAIVER OF INSPECTION REQUIREMENTS IS AVAILABLE UNTIL 1 MONTH BEFORE THAWING CONDITIONS ARE EXPECTED IN ALL					
DR SHALL SWEEP ALL DIRT OR ROCK TRACKED WORK DAY OR AS	1 MONTH BEFORE THAWING CONDITIONS ARE EXPECTED IF ALL THE FOLLOWING CONDITIONS ARE MET:					
FRUCKS HAULING MATERIAL WITH A TARPAULIN.	 FROZEN CONDITIONS ARE ANTICIPATED TO CONTINUE FOR EXTENDED PERIODS OF TIME (I.E. MORE THAN 1 MONTH). 					
POUR ONTO THE GROUND						
REAMS, WETLANDS OR ANY LIQUID WASTE INCLUDING						
VENTS, PAINT, DIESEL FUEL, LUID, CEMENT CURING	SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES	NOï				
TOXIC OR HAZARDOUS E COLLECTED IN A		REVISION				
DSED OF IN AN APPROVED RY.	1. CONTRACTOR SUBMITS CONSTRUCTION SCHEDULE FOR	Ē				
NTAINERS HOLDING N A DIKED AREA WITH A	 CONSTRUCTION ACTIVITIES. BEGIN INSPECTION, MAINTENANCE, RECORD KEEPING AND SITE 					
ARGEST TANK. A DIKED CONTAINED SPILL PROOF	POSTING OF BMPS. 3. ESTABLISH STAGING AREA AND NON-SEDIMENT BMPS.					
L SPILL, REGARDLESS OF	4. INSTALL SILT FENCE, INLET PROTECTION					
MINUTES TO THE LOCAL	5. INSTALL OTHER TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS AS SOON AS POSSIBLE, BUT NO LATER THAN 7					
ONSTRUCTION CHEMICALS WASTE MATERIALS MUST	DAYS AFTER FIRST SOIL DISTURBANCE. INSPECT AND MAINTAIN BMPS FOR THE PROJECT DURATION UNTIL UPSLOPE	0 Z				
SPOSED OF IN AND LOCAL REGULATIONS.	AREAS ARE PERMANENTLY STABILIZED.6. BEGIN SITE DEMOLITION AND CONSTRUCTION.	NONE	124	PAB	PAB	PAB
FACT WITH CONTAMINATED BE COLLECTED BY A	 BEGIN EARTHWORK OPERATIONS. APPLY TEMPORARY SEED. 	0 N	0/22/2024	₽. L		
S A WASTE WATER.	9. INSTALL STORM SEWERS AND INLETS.		10		BX:	ED BY:
DTES	 INSPECT AND CLEAN EXISTING AND NEW STORM SEWERS AND INLETS. 	SCALE	DATE:	DESIGN	DRAWN	CHECKE
ND FOLLOW THE PRACTICES	 APPLY PERMANENT SEED. INSTALL LANDSCAPING. 	SC	DA	Ŭ	DR	Ю
HE CURRENT, ACTIVE OHIO	13. CONTINUE INSPECTIONS, MAINTENANCE, RECORD KEEPING,					
OWING THE ITEMS LISTED NEED TO MOVE OR ADD	AND SITE POSTING UNTIL FINAL STABILIZATION ACHIEVED. 14. REMOVE TEMPORARY BMPS FROM STORM SEWER AND INLETS,					
SES OR DURING THE N.	AND OPEN GUTTERS AND DITCHES TO OBTAIN FREE DRAINAGE.15. DISPOSE OF ALL DEBRIS AND WASTE MATERIAL.	_		⊆ 		
ACTIVITY ROL MEASURES		N N			S,	
			50	źΪ		
L REQUIRED	EROSION CONTROL TIMETABLE	ĬĔ		NAN,	F	•
THE SW3P INCLUDING D REPAIRS SHALL BE DONE	YEAR	l (C		ARD		
NTRACTOR.	STABILIZATION TYPE J F M A M J J A S O N D	Ш		¶ 0 8 0	¢	5
E SW3P WHEN THERE IS A , OPERATION OR	TEMPORARY SEEDING O	2	ĽШ	ш	S,	
ALLATION OF BMPS OR	PERMANENT SEEDING O		>		NOTE	I •
HE PRACTICES AND HIO EPA NPDES	SODDING 8 </td <td></td> <td></td> <td> </td> <td>Ö</td> <td>)</td>				Ö)
GENERAL PERMIT OHC000006 ID DEVELOPMENT MANUAL.	MOLEINING O O O O O O O O O O O PAVING O O O O O O O O O	Z	. <u> </u>			
DIVIDUALS TO BE INTENANCE AND REPAIR	☑ IRRIGATION NEEDED	ļ	Ξ		d d	
CTION AND MAINTENANCE COMPLETE A "DELEGATION	SEDIMENT CONTROL NOTES			_	٩ ۲	
OLLUTION PREVENTION OWNER AND SWCD.	1. INLET PROTECTION AND SEDIMENT BARRIERS MUST BE			UNINOH	SWPP)
ITS CONTAINED IN THIS SW3P NTRACTORS. IT IS THE	INSTALLED PRIOR TO CLEARING AND GRUBBING.))	z	•	•
OR TO IMPLEMENT, INFORM, S AND PROCEDURES OF THE	2. PERIMETER SEDIMENT BARRIERS MUST BE INSTALLED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START		,	ĂΑ ΜΑ Μ		
/E ALL SUBCONTRACTORS CTIVITIES THAT COULD	OF CLEARING AND GRUBBING, AND CONTINUE TO FUNCTION UNTIL ALL DISTURBED UPLAND AREAS ARE STABILIZED.			Σ		
'SUBCONTRACTOR IMENT CONTROL", AND	 SEDIMENT CONTROLS MUST POND RUNOFF TO BE CONSIDERED FUNCTIONAL. 		PRO	JECI	「 NO:	
D SWCD AS NEEDED. EACH	4. TRENCH AND GROUND WATER FREE FROM SEDIMENT OR OTHER POLLUTANTS MAY BE DISCHARGED WITHOUT			324		_
JLTING FROM FAILURE TO CONTROL.	TREATMENT, PROVIDED THIS WATER DOES NOT BECOME POLLUTANT-LADEN BY TRAVERSING OVER DISTURBED SOILS			ING		<u>.</u>
THE COPIES OF THE, SW3P	OR OTHER POLLUTANT SOURCES. 5. SETTLED MATERIAL SHALL BE DISPOSED OF IN A STABILIZED	81) OF	-
OL WORK SHALL BE SUBJECT	LOCATION WHERE IT WILL NOT BE CARRIED OFF-SITE OR INTO A STORM SEWER BY RAINFALL.	1	11	T	11	