BID SET

8/12/2020

THE CITY OF CUYAHOGA FALLS

WEST BATH ROAD IMPROVEMENTS

CUYAHOGA FALLS, OHIO

OCTOBER, 2020

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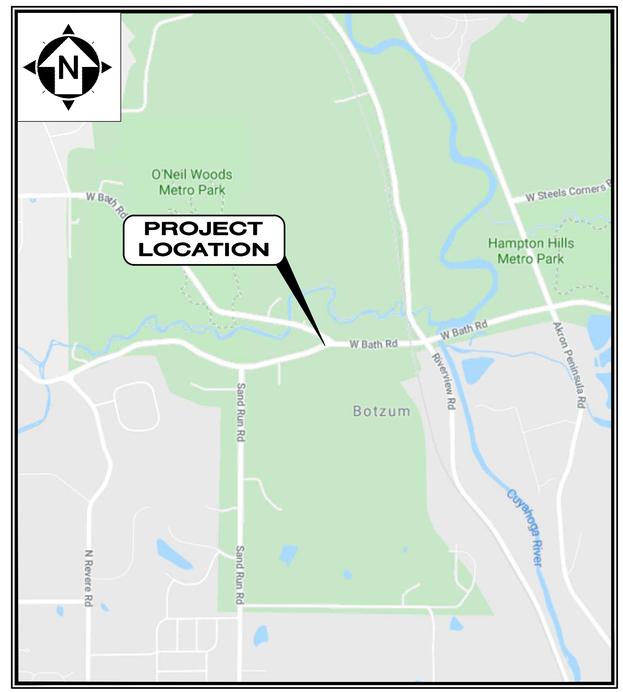

LOCATION MAP

NOT TO SCALE

CITY OF CUYAHOGA FALLS APPROVALS:

MAYOR	DON WALTERS	8/13/2020 DATE
DIRECTOR OF PUBLIC SERVICE	ANTHONY ZUMBO, P.E., P.S.	8/13/2020 DATE
FINANCE DIRECTOR	BRYAN HOFFMAN	8/13/2020 DATE
CITY ENGINEER	TONY DEMASI, P.E.	8/12/2020 DATE

OUPS DESIGN SERIAL NUMBERS:

#B926300673–00B

OUPS UTILITY LIST:

1. WATER – CITY OF CUYAHOGA FALLS
2. GAS – DOMINION GAS
3. PHONE – AT&T
4. FIBER – CHARTER COMMUNICATIONS
5. SANITARY – CITY OF CUYAHOGA FALLS
6. ELECTRIC – OHIO EDISON

OHIO Utilities Protection SERVICE
Call Before You Dig

1-800-362-2764

CALL TWO WORKING DAYS BEFORE YOU DIG
(NON MEMBERS MUST BE CALLED DIRECTLY)

1. 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 @ 1–800–362–2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE THEIR EFFORTS WITH THE LISTED OUPS ONE CALL UTILITIES AS WELL AS ANY ENCOUNTERED UTILITIES THAT MAY BE UNLISTED.

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ENGINEER'S PROJECT No. 190665

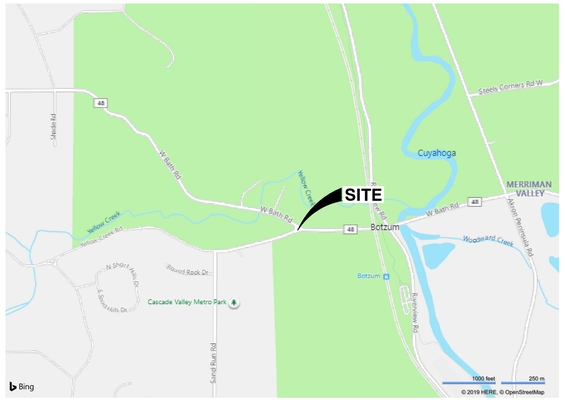
ENGINEER OF RECORD JUSTIN R. HASELTON, P.E. No. 72378 DATE

STATE OF OHIO
JUSTIN R. HASELTON
E-72378
REGISTERED
PROFESSIONAL ENGINEER

\\CTC.LOCAL\CT_DATA\PROJECTS\2019\190665\DWG\SHEETS\C_190665 – TITLE SHEET.DWG – 8/7/2020 1:52:17 PM – HASELTON

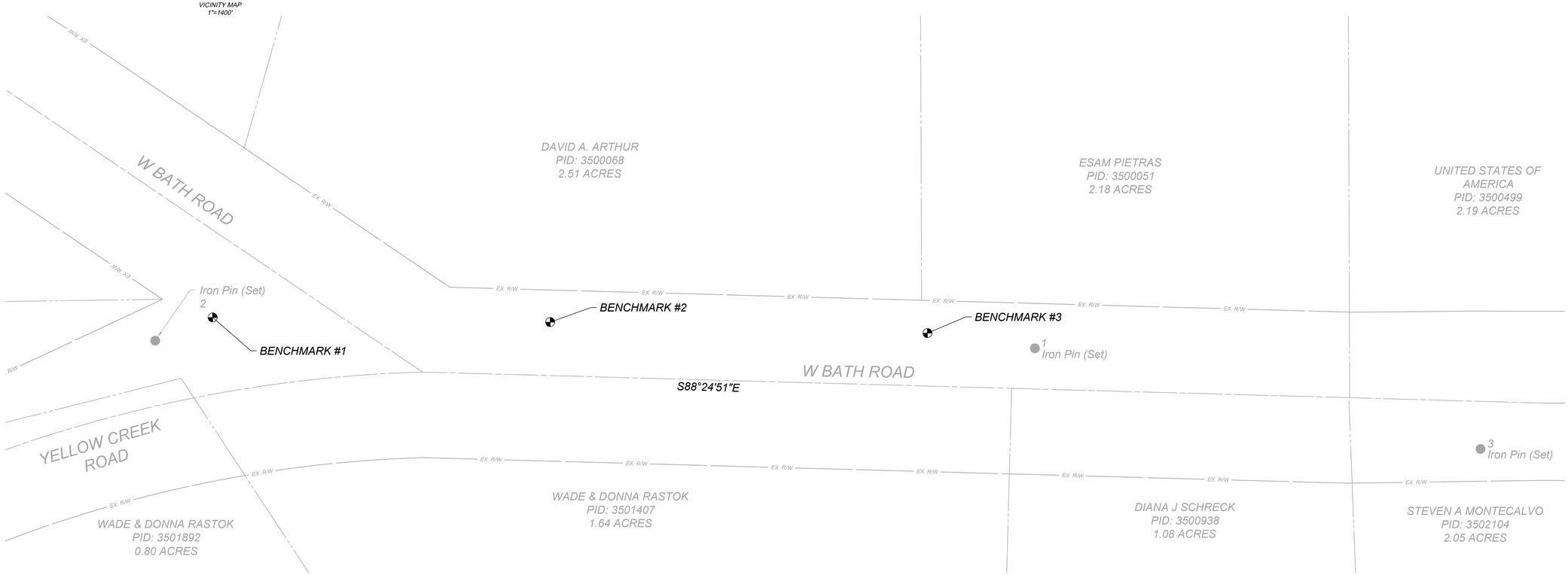
W BATH ROAD CONTROL MAP

STATE OF OHIO, COUNTY OF SUMMIT, CITY OF CUYAHOGA FALLS



VICINITY MAP
1"=1400'

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	546125.32	2221693.46	759.82	SCIPIS
2	546127.98	2221385.15	771.01	SCIPIS
3	546090.02	2221849.68	758.71	SCIPIS



LEGEND

- *IRON PIN W/RED CAP SET*
- *IRON PIN FOUND*
- *PUBLIC RIGHT-OF-WAY*
- *CENTERLINE PUBLIC RIGHT OF WAY*
- *PARCEL/LOT LINES*

NOTES:

1) HORIZONTAL DATUM IS OH–N, NORTH AMERICAN DATUM 1983, US SURVEY FEET

2) VERTICAL DATUM IS NAVD 1988

3) BASIS OF BEARINGS IS GRID NORTH AS DETERMINED BY GPS OBSERVATIONS DURING THE MONTH OF SEPTEMBER 2019

4) RECORDS SHOWN HEREON ARE PER SUMMIT COUNTY AUDITOR'S OFFICE

BENCHMARKS:

BM#1
BEING A SPIKE SET IN THE SOUTH SIDE OF A UTILITY POLE LOCATED INSIDE AN ISLAND AT THE INTERSECTION OF W BATH ROAD AND YELLOW CREEK ROAD. SAID POLE BEING IN FRONT OF STREET ADDRESS 2008 YELLOW CREEK ROAD. SAID POLE BEING APPROXIMATELY 63 FEET NORTHEASTERLY FROM THE DRIVEWAY OF SAID 2008 YELLOW CREEK ROAD.
ELEV.=769.77'

BM#2
BEING A SPIKE SET IN THE SOUTH SIDE OF A UTILITY POLE LOCATED ON THE NORTHERLY SIDE OF W BATH ROAD, SAID POLE BEING APPROXIMATELY 102 FEET EASTERLY FROM THE INTERSECTION OF W BATH ROAD AND YELLOW CREEK ROAD.
ELEV.=763.92'

BM#3
BEING A SPIKE SET IN THE SOUTH SIDE OF A UTILITY POLE LOCATED ON THE NORTHERLY SIDE OF W BATH ROAD, SAID POLE BEING APPROXIMATELY 234 FEET EASTERLY FROM THE INTERSECTION OF W BATH ROAD AND YELLOW CREEK ROAD.
ELEV.=761.25'

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NO	REVISION	DATE

ISSUED FOR:	BID
ISSUE DATE:	8/12/20
SCALE:	1"=20'
SURVEYED BY:	BAK
CHECKED BY:	JWC
APPROVED BY:	TMM

WEST BATH ROAD IMPROVEMENTS
CITY OF CUYAHOGA FALLS
SUMMIT COUNTY, OHIO

CONTROL MAP

PROJECT NO. 190665
DISCIPLINE SURVEY
SHEET NAME CNTRL-01
SHEET 2 OF 10

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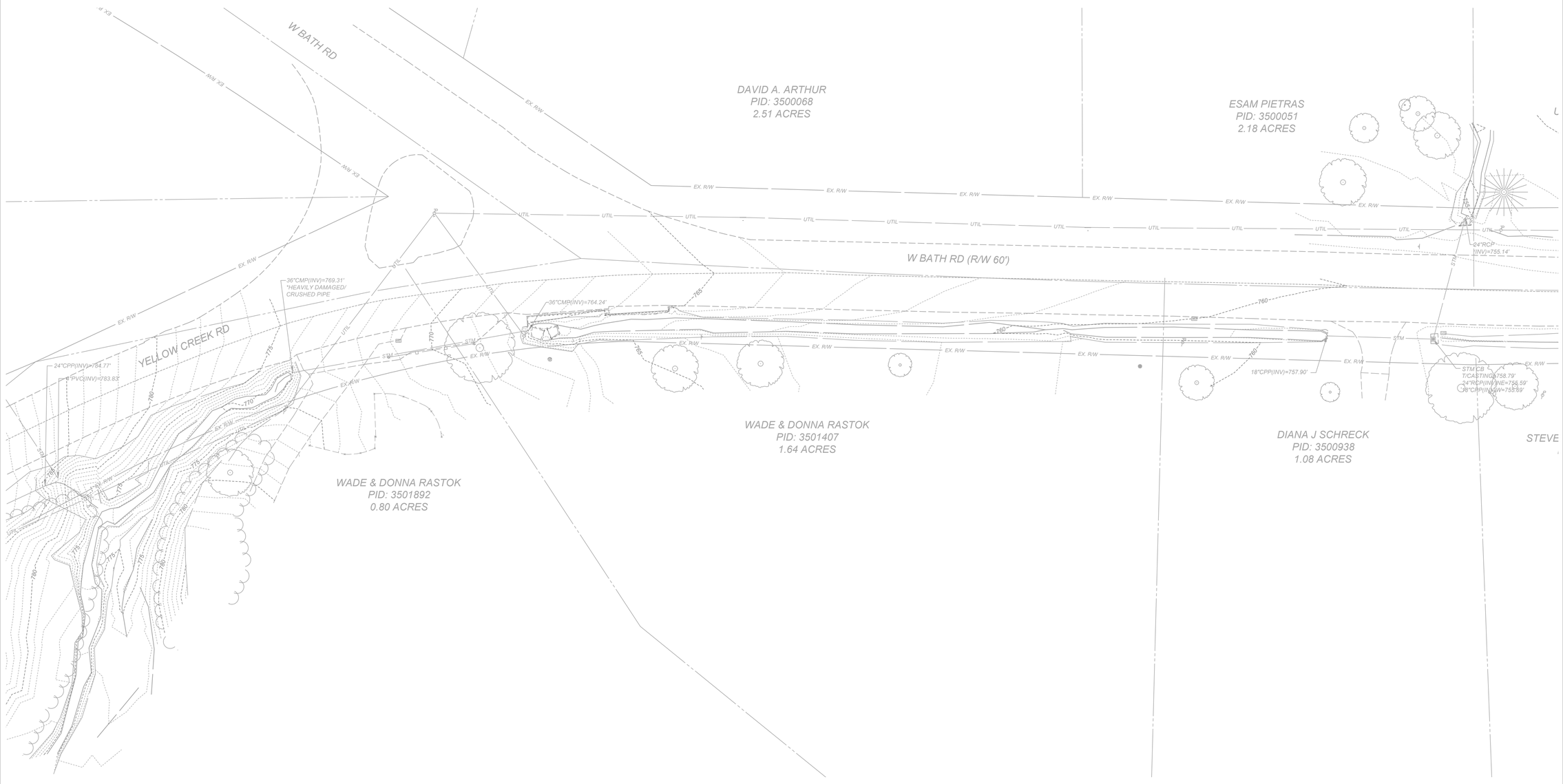

BAR SCALE
20' 10' 0' 20'
SCALE: 1"= 20'

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NO	REVISION	DATE

ISSUED FOR:	BID
ISSUE DATE:	08/12/20
SCALE:	AS SHOWN
DESIGNED BY:	JRH
DRAWN BY:	DPK
CHECKED BY:	TRL

WEST BATH ROAD IMPROVEMENTS

CITY OF CUYAHOGA FALLS
SUMMIT COUNTY, OHIO

EXISTING CONDITIONS

PROJECT NO.
190665

DISCIPLINE
CIVIL

SHEET NAME
EC-01

SHEET 3 OF 10

H:\2019\190665\DWG\SHEETS\C_190665 - EXISTING CONDITIONS.DWG - EC - 8/7/2020 1:58:27 PM - DANIEL KONSCHAK

GENERAL

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE PLANS AND TECHNICAL SPECIFICATIONS, VISIT THE PROJECT SITE AND NOTIFY IN WRITING THE PROJECT ENGINEER OF ANY DISCREPANCIES IN THE PLANS OR SPECIFICATIONS PRIOR TO CONSTRUCTION.
2. ANY REVISIONS TO THE ACCEPTED CONSTRUCTION PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION IN THE FIELD.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A CURRENT SET OF "AS BUILT" DRAWINGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND SHALL NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES.
5. NO WORK MAY COMMENCE WITHOUT AN EXECUTED NOTICE TO PROCEED.
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH OSHA AND ENGINEER SAFETY REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL VISITORS, EMPLOYEES AND WORKERS ON THE CONSTRUCTION SITE.
7. THE CONTRACTOR SHALL CONSTRUCT THIS PROJECT IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL BUILDING CODES TOGETHER WITH THE LATEST EDITION (2019) OF THE STATE OF OHIO, DEPT. OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS).
8. 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.
9. ANY DISTURBED AREAS NOT SCHEDULED FOR CONSTRUCTION ACTIVITIES WITHIN THIRTY DAYS OF DISTURBANCE SHALL BE TEMPORARILY STABILIZED AND SEEDED.
10. 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 AND CONSTRUCTION MATERIALS.
11. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SECURITY OF ALL STORED MATERIALS ON OWNER'S SITE.
12. THE CONTRACTOR SHALL COORDINATE WITH OWNER AND ENGINEER THE STORAGE OF STORED MATERIALS AND REMOVED EXISTING EQUIPMENT TO BE RETAINED.
13. ACCESS MUST BE MAINTAINED FOR EMERGENCY VEHICLES AT ALL TIMES.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN PEDESTRIAN, LOCAL ROADWAY AND DRIVEWAY ACCESS AT ALL TIMES. CLOSING OFF OF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE OR BOULEVARD MAY NOT OCCUR WITHOUT THE PRIOR CONSENT OF MUNICIPAL OFFICIALS AND THE ENGINEER.
15. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE "UNIFORM MANUAL OF TRAFFIC CONTROL."
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SIGNING AND TRAFFIC CONTROL AS DIRECTED BY THE LOCAL MUNICIPALITY. ALL SIGNS AND MATERIAL USED SHALL CONFORM TO THE SPECIFICATIONS SET FORTH IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
17. THE CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION VIDEO SURVEY OF THE ENTIRE PROJECT AREA. ANY DAMAGE DEEMED TO BE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT HIS OWN EXPENSE. ALL COSTS ASSOCIATED FOR THIS WORK, INCLUDING THE VIDEO TAPE SURVEY, SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MOBILIZATION, AS PER PLAN.
18. THE CONTRACTOR MUST MAINTAIN ADEQUATE ACCESS FOR ALL VEHICLES WHICH UTILIZE THE FACILITY. THE SITE AT WHICH THE WORK IS TO BE PERFORMED WILL BE MAINTAINED DURING THE PERFORMANCE OF THIS CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF AND AVOID INTERFERENCE TO FACILITY OPERATION.

DUST CONTROL

1. DUST CONTROL MEASURES TO BE PROVIDED BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL ANTICIPATE STREET SWEEPING ON A DAILY BASIS AT A MINIMUM. NO SEPARATE PAYMENT SHALL BE MADE.

NOISE CONTROL PRACTICES

1. CONSTRUCTION EQUIPMENT WILL BE PROVIDED WITH INTAKE SILENCERS AND MUFFLERS AS REQUIRED BY SAFETY STANDARDS AND LOCAL NOISE ORDINANCE.
2. CONSTRUCTION ACTIVITIES WILL BE LIMITED TO DAYTIME HOURS.

CLEARING AND GRUBBING

1. THE CONTRACTOR SHALL INCLUDE ALL NECESSARY PRECAUTIONS TO PROTECT AND SAVE ALL TREES WHICH ARE ADJACENT TO THE LINE OF WORK AND SHALL REMOVE ONLY THOSE TREES WHICH ARE DESIGNATED FOR REMOVAL ON THE PLANS OR DIRECTED BY THE ENGINEER. TREE ROOTS AND OVERHANGING BRANCHES SHALL BE CUT WHEN REQUIRED, THE CUTTING OF ROOTS AND BRANCHES SHALL BE DONE IN A MANNER TO LEAVE A SMOOTH END WITHOUT SPLITTING OR CRUSHING. THE CUT END SHALL BE NEATLY TRIMMED. ALL DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER. WHERE MISCELLANEOUS SMALL TREES AND SHRUBS ARE NOTED TO BE REMOVED AND RESET, THE COST OF SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT. SOIL AND OTHER MATERIALS WILL NOT BE STORED NEXT TO OR WITHIN THE DRIP-LINE OF TREES.

EXCAVATION

1. THE OWNER AND ENGINEER DO NOT GUARANTEE THE SUITABILITY OR SUGGEST THAT THE EXISTING EXCAVATED MATERIAL IN ITS PRESENT STATE WILL CONSIST OF THE PROPER MOISTURE CONTENT TO ACHIEVE THE REQUIRED COMPACTION WITHOUT DRYING OR ADDING WATER TO THE MATERIAL. UPON REQUEST THE OWNER WILL PROVIDE ACCESS TO THE SITE FOR THE CONTRACTOR TO CONDUCT SUCH INVESTIGATIONS AND TESTS DEEMED NECESSARY TO MAKE HIS DETERMINATION.

EXISTING UTILITIES

1. EXISTING UTILITIES SHOWN ARE FROM BEST AVAILABLE RECORDS AND FIELD INVESTIGATIONS AND ARE NOT NECESSARILY COMPLETE OR EXACT. THE CONTRACTORS ARE RESPONSIBLE FOR INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTORS SHALL EXPOSE BY PRE-EXCAVATING ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION, AND SHALL MAKE ADJUSTMENTS IN ELEVATIONS AS DIRECTED BY THE ENGINEER TO PROVIDE SUFFICIENT CLEARANCE BETWEEN THE PROPOSED AND EXISTING UTILITIES. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE UTILITY OWNER.
2. 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 DOMINION EAST OHIO GAS COMPANY, OHIO EDISON, AT&T AND CABLE TV FOR GAS LINE AND/OR POLE RELOCATION.
3. OSHA STANDARDS PROHIBITING CRANE OR BACKHOE OPERATIONS WITHIN SET DISTANCES OF ENERGIZED PRIMARY CONDUCTORS SHALL BE OBSERVED. 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.
4. 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 CITY INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS, CABLE (OHIO EDISON, AT&T & TV) RELOCATION AND SUPPORT.
5. 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 CITY.

THE OWNERSHIPS ARE AS FOLLOWS:

DOMINION EAST OHIO (DISTRIBUTION)
320 SPRINGSIDE DRIVE, SUITE 320
AKRON, OHIO 44333
(330) 664-2409
ATTN: HEIDI M DEISZ

OHIO EDISON
1910 WEST MARKET STREET
AKRON, OHIO 44313
(330) 830-7092
ATTN: MICHAEL JANSON

AT&T
50 WEST BOWERY, 6TH FLOOR
AKRON, OHIO 44308
(330) 384-3048
ATTN: LUCIE HINSHAW

CF ELECTRIC SERVICE
2310 SECOND STREET
CUYAHOGA FALLS, OHIO 44221
330-971-8060
ATTN: MICHAEL DOUGHERTY

CUYAHOGA FALLS WATER DEPARTMENT
2560 BAILEY ROAD
CUYAHOGA FALLS, OHIO 44221
(330) 971-8130
ATTN:

DEPARTMENT OF PUBLIC SERVICES
2310 2ND STREET
CUYAHOGA FALLS, OHIO 44221
(330) 971-8000
ATTN: ANTHONY ZUMBO

SPECTRUM CABLE
1919 BRITTAIN ROAD
AKRON, OHIO 44313
(330) 800-1192

PROHIBITED CONSTRUCTION ACTIVITIES

1. THE USE OF EXPLOSIVES WITHIN CITY LIMITS, UNLESS A PERMIT IS ISSUED BY THE CITY.
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. OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT.
5. 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.
6. 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.
7. OPERATION ENTAILING THE USE OF VIBRATORY HAMMERS OR COMPACTORS OUTSIDE THE HOURS OF 8:00 AM AND 5:00 PM OR OUTSIDE THE HOURS CALL OUT IN THE SPECIFIC PROJECT REQUIREMENTS SECTION OF THE SPECIFICATIONS;
8. LOCATING STOCKPILE STORAGE AREAS IN ENVIRONMENTALLY SENSITIVE AREAS.
9. DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.
10. DISPOSING OF TREES, BRUSH AND OTHER DEBRIS IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS OR AT UNSPECIFIED LOCATIONS.
11. 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.

PROTECTION OF EXISTING UTILITIES AND PIPES

1. THE CONTRACTOR SHALL BE REQUIRED, AT THEIR EXPENSE, TO DO EVERYTHING NECESSARY TO PROTECT, SUPPORT AND SUSTAIN ALL SANITARY SEWERS, STORM DRAINS, WATER, PROCESS OR GAS PIPES, SERVICE PIPES, ELECTRIC LIGHTS, POWER AND TELEPHONE POLES, CONDUIT AND OTHER FIXTURES LAID ACROSS OR ALONG THE SITE OF THE WORK. THE ENGINEER AS WELL AS THE COMPANY OR CORPORATION OWNING SAID PIPES, POLES OR CONDUITS MUST BE NOTIFIED OF THE SAME BY THE CONTRACTOR, BEFORE ANY SUCH FIXTURES ARE REMOVED OR DISTURBED. IN CASE ANY OF THE SAID SEWER, DRAIN, GAS, PROCESS OR WATER PIPES, SERVICE PIPES, ELECTRIC LIGHT, POWER AND TELEPHONE POLES, CONDUITS OR OTHER FIXTURES ARE DAMAGED THEY SHALL BE REPAIRED BY THE AUTHORITIES HAVING CONTROL OF THE SAME AND THE EXPENSE OF SAID REPAIRS SHALL BE DEDUCTED FROM THE MONIES WHICH ARE DUE OR TO BECOME DUE TO THE CONTRACTOR UNDER THIS CONTRACT.
2. EXISTING UTILITY (GAS, ELECTRICAL, CABLE TELEVISION, TELEPHONE, WATER LINE, STORM OR SANITARY SEWER, WATER LINE OR STORM OR SANITARY SEWER APPURTENANCE, ETC.) IN OR OUTSIDE THE CONSTRUCTION LIMITS DAMAGED DURING THE CONSTRUCTION OF THE PROPOSED PROJECT, WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE. INDIVIDUAL SANITARY, STORM, GAS, WATER, ELECTRIC AND TELEPHONE AND CABLE SERVICE CONNECTIONS ARE NOT SHOWN. THE CONTRACTOR SHALL LOCATE AND PROTECT SERVICE CONNECTIONS THROUGHOUT THE COURSE OF THE WORK. IN THE EVENT SERVICE CONNECTIONS ARE BROKEN OR DISTURBED, THE CONTRACTOR SHALL REPAIR OR REPLACE THE SERVICE CONNECTION TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER
3. 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 ENGINEER OF THE LOCATION AND CIRCUMSTANCES IMMEDIATELY
4. NO SURFACE, GROUND OR TRENCH WATER SHALL BE ALLOWED TO FLOW INTO EXISTING SANITARY SEWERS.

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. THE DISPOSAL OF ALL CONSTRUCTION DEBRIS SHALL BE AT AN APPROVED LANDFILL. THE DISPOSAL OF ALL "CLEAN" WASTE MATERIAL SHALL BE AT APPROVED LANDFILLS, AND/OR OTHER SITES APPROVED BY THE OWNER AND ENGINEER. THE DISPOSAL OF EXISTING PIPELINE AND TANK SEDIMENTS AND WASTEWATER SLUDGE SHALL BE AT AN APPROVED LANDFILL. THE CONTRACTOR SHALL OBTAIN ALL APPROVALS, PERMITS, LICENSES, ETC. FROM LOCAL, STATE AND FEDERAL AGENCIES AND/OR PRIVATE LANDOWNERS. THE CONTRACTOR SHALL FURNISH THE ENGINEER A COPY OF ALL APPROVALS OR WRITTEN PERMISSION PRIOR TO DISPOSING OF ANY WASTE AT SAID SITE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE RESTORATION OF ALL MATERIAL WASTE AND TEMPORARY STORAGE AREAS USED IN THE COURSE OF THIS CONTRACT. THE RESTORATION WORK SHALL INCLUDE CLEANUP, SHAPING AND GRADING AND ESTABLISHMENT OF VEGETATIVE COVER BY SEEDING AND MULCHING IN ACCORDANCE WITH O.D.O.T. SPECIFICATION NO. 659. THE FINAL GRADING OF WASTE AREAS SHALL BE PROPERLY SLOPED TO PROVIDE DRAINAGE RUNOFF.
3. TEMPORARY SURFACES WHERE EXCAVATION IS 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.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL UNUSED EXCAVATIONS SO THAT THE ORIGINAL SITE CONTOURS ARE PRESERVED UNLESS NOTED OTHERWISE. WASTING ON SITE SHALL NOT BE ANTICIPATED.
5. DUMP SITES MUST BE APPROVED BY THE OWNER AND THE ENGINEER.

EROSION AND SEDIMENTATION CONTROL

1. SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY SEEDING AND MULCHING IMMEDIATELY UPON COMPLETION OF EXCAVATION OR FILL AND FINISHED GRADING IN ACCORDANCE WITH ITEM 659 OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.
2. AS CONSTRUCTION IS COMPLETED, PERMANENTLY STABILIZE EACH DISTURBED AREA WITH PERENNIAL VEGETATION INSTALLED ACCORDING TO SOIL CONSERVATION SERVICE (OR EQUIVALENT) STANDARDS AND SPECIFICATIONS.
3. CONTRACTOR SHALL REMOVE DAILY ALL MUD, SOIL AND DEBRIS THAT MAY BE TRACKED ONTO EXISTING STREETS, DRIVES OR WALKS BY HIS EQUIPMENT OR THAT OF SUBCONTRACTORS OR SUPPLIERS.
4. ALL EXCESS EXCAVATION SHALL BE DISPOSED OF IN A LOCATION TO BE SELECTED BY THE CONTRACTOR. ALL DUMP SITES FOR THE DISPOSAL OF EXCESS MATERIAL SHALL HAVE WRITTEN PERMISSION FROM THE OWNER AND SHALL BE APPROVED IN ADVANCE BY THE CITY ENGINEER. THE CONTRACTOR(S) SHALL PROVIDE TO THE ENGINEER AND OEPA-DEFA THE LOCATION(S) FOR EXCESS SOIL PLACEMENT PRIOR TO DISPOSAL. THE CONTRACTOR(S) SHALL ENSURE THAT THE SOIL IS NOT PLACED IN ANY WATER BODY, FLOODPLAIN, WETLAND, DRAINAGE COURSE OR ENVIRONMENTALLY SENSITIVE AREA EVEN WITH THE PERMISSION OF THE PROPERTY OWNER. THE CONTRACTOR MUST OBTAIN A PERMIT FROM THE CITY OF CUYAHOGA FALLS IF THE MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY, WHEN ORDERED BY THE ENGINEER, WATER OR CALCIUM CHLORIDE FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE ORIGINATING FROM CONSTRUCTION ACTIVITIES. CALCIUM CHLORIDE SHALL NOT BE UTILIZED ON OR BE ALLOWED TO TRACK ONTO PAVED SURFACES. SUFFICIENT QUANTITIES OF CALCIUM CHLORIDE SHALL BE STORED ON THE JOB SITE AT ALL TIMES TO BE USED FOR DUST CONTROL. THE COST OF DUST CONTROL SHALL BE INCLUDED IN THE BID PRICES FOR ALL ITEMS OF THE PROPOSAL.

MAINTENANCE OF TRAFFIC

1. A MINIMUM OF ONE (1) LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON BY USE OF THE EXISTING PAVEMENT. NO TRUCKS SHALL BE TEMPORARILY PARKED WITHIN AN ACTIVE TRAFFIC LANE.
2. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

USE OF ROADS

1. ALL PROJECT VEHICLES, INCLUDING THOSE HAULING EQUIPMENT AND/OR MATERIALS TO OR FROM THE SITE SHALL UTILIZE STATE ROUTES ONLY. THE USE OF LOCAL ROADS BY THE CONTRACTOR IS PROHIBITED.

DAMAGE TO PAVEMENT

1. ANY DAMAGE TO PAVEMENT, IMMEDIATELY ADJACENT TO THE SITE, WHICH IS CAUSED BY INGRESS OR EGRESS OF CONSTRUCTION TRAFFIC, OR ANY NEGLIGENT ACT OF THE CONTRACTOR, SHALL BE REPAIRED AT NO COST TO THE CITY OF CUYAHOGA FALLS..

EXCAVATION PUMPING AND DEWATERING

1. CONVEY ANY TURBID WATER REMOVED FROM EXCAVATIONS IN A CLOSED CONDUIT TO A SETTLING POND OR FILTERING DEVICE, BEFORE RELEASE FROM THE CONSTRUCTION SITE OR ASSOCIATED DISTURBED AREAS. DO NOT USE TRENCH EXCAVATIONS AS TEMPORARY DRAINAGE CHANNELS.
2. PRIOR TO INSTALLING GROUNDWATER DEWATERING WELLS, CONTACT THE OHIO DEPARTMENT OF NATURAL RESOURCES, DIVISION OF WATER (614-265-6740) FOR REPORTING REQUIREMENTS AND ABANDONMENT OF DEWATERING WELLS.
3. GROUNDWATER WHICH DOES NOT CONTAIN SEDIMENT OR OTHER POLLUTANTS IS NOT REQUIRED TO BE TREATED PRIOR TO DISCHARGE FROM THE CONSTRUCTION SITE. SEDIMENT FREE WATER SHALL NOT BE DIRECTED TO THE CONSTRUCTION STORM WATER TREATMENT SYSTEM.
4. DISCHARGE SEDIMENT FREE GROUNDWATER TO STABILIZED SITES, SUCH AS UNCUT GRASSED SWALES, STREAMS OR STORM SEWERS. DO NOT DISCHARGE FLOWS ONTO DISTURBED AREAS, EXPOSED SOILS IN DRAINAGES OR STREAM BANKS, OR ANY OTHER SITE WHERE THE FLOW COULD CAUSE EROSION.
5. WRITTEN PERMISSION OF THE PROPERTY OWNER AND THE CONSENT OF THE ENGINEER MUST BE OBTAINED TO RUN WELL POINT OR PUMP DISCHARGE LINES THROUGH PRIVATE PROPERTY, PUBLIC PROPERTY OR RIGHTS-OF-WAY.

MATERIAL SPECIFICATIONS

1. MATERIAL SPECIFICATIONS CALLED FOR ON THE PLANS REPRESENT THE MINIMUM REQUIRED FOR EACH APPLICATION. THE OWNER MAY REQUEST OR THE CONTRACTOR MAY DESIRE TO SUBSTITUTE ALTERNATE MATERIALS. ANY SUCH SUBSTITUTIONS MUST BE EQUIVALENT IN QUALITY TO THE MATERIAL CALLED FOR AND MUST BE APPROVED IN WRITING BY THE ENGINEER.

STORM SEWER INSTALLATION

1. MATERIALS FOR THE STORM SEWER: ALL ELLIPTICAL CULVERTS AND FITTINGS SHALL BE REINFORCED CONCRETE PIPE AND SHALL BE APPROVED BY THE ENGINEER. ALL OTHER STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE OR HDP.
   MATERIAL SPECIFICATION: ASTM C76, AASHTO M294
   JOINT SPECIFICATION: ASTM C443, ASTM D3212
   INSTALLATION SPECIFICATION: SEE CUYAHOGA FALLS CONSTRUCTION SPECS
2. ALL GRAVITY SEWER STORM WILL BE TELEVISED AND A COPIES OF THE TELEVISED RECORD WILL BE GIVEN TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL TESTING ASSOCIATED WITH THE STORM SEWER.

STRUCTURAL BACKFILL AND FILL

1. THE CONTRACTOR MAY TEST IN-PLACE STRENGTH USING NON-DESTRUCTIVE PROCEDURES OF ASTM C803, PENETRATION RESISTANCE.
2. EXISTING ON-SITE SOILS WHICH ARE FREE OF ORGANIC CONTAMINATION AND OTHER OBJECTIONABLE MATERIALS MAY BE UTILIZED AS SITE FILL MATERIAL. COMPACT MAXIMUM EIGHT (8") INCH LOOSE LAYERS UNIFORMLY TO NOT LESS THAN 95% STANDARD PROCTOR UNLESS OTHERWISE SPECIFIED. REFER TO THE SPECIFICATIONS SECTION 310000 FOR EARTHWORK. RECYCLED CONCRETE, SHALE AND/OR SLAG MAY NOT BE USED AS A BACKFILL OR FILL MATERIAL.
3. POROUS STRUCTURAL BACKFILL SHALL BE GRAVEL OR STONE; NO. 467, NO. 57, NO. 67, NO. 6 OR NO. 78 SIZE.

SITE GRADING NOTES

1. THE CONTRACTOR SHALL BLEND NEW EARTHWORK WITH EXISTING CONTOURS.
2. GRADING SURROUNDING DRAINAGE STRUCTURES SHALL HAVE A UNIFORM AND POSITIVE SLOPE FROM LAST GIVEN ELEVATION TO STRUCTURE.
3. THE CONTRACTOR SHALL ENSURE ALL SURFACES DRAIN ACCORDING TO THE NEW SITE CONDITIONS.
4. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AND SWALE OVER EXISTING STREAM.

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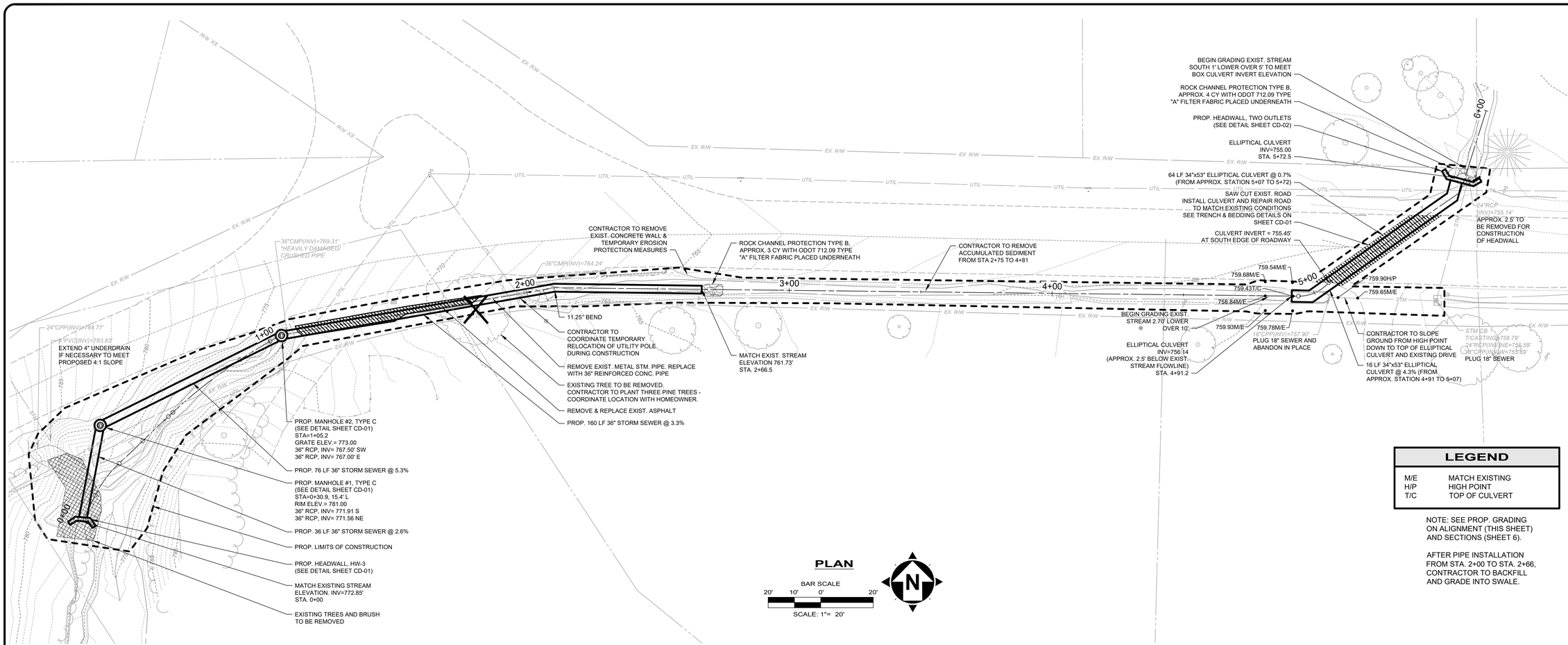
SCALE: AS SHOWN
DESIGNED BY: JRH
DRAWN BY: DPK
CHECKED BY: TRL

WEST BATH ROAD IMPROVEMENTS
CITY OF CUYAHOGA FALLS
SUMMIT COUNTY, OHIO

GENERAL NOTES

PROJECT NO. 190665
DISCIPLINE: CIVIL
SHEET NAME: GN-01
SHEET 4 OF 10



LEGEND

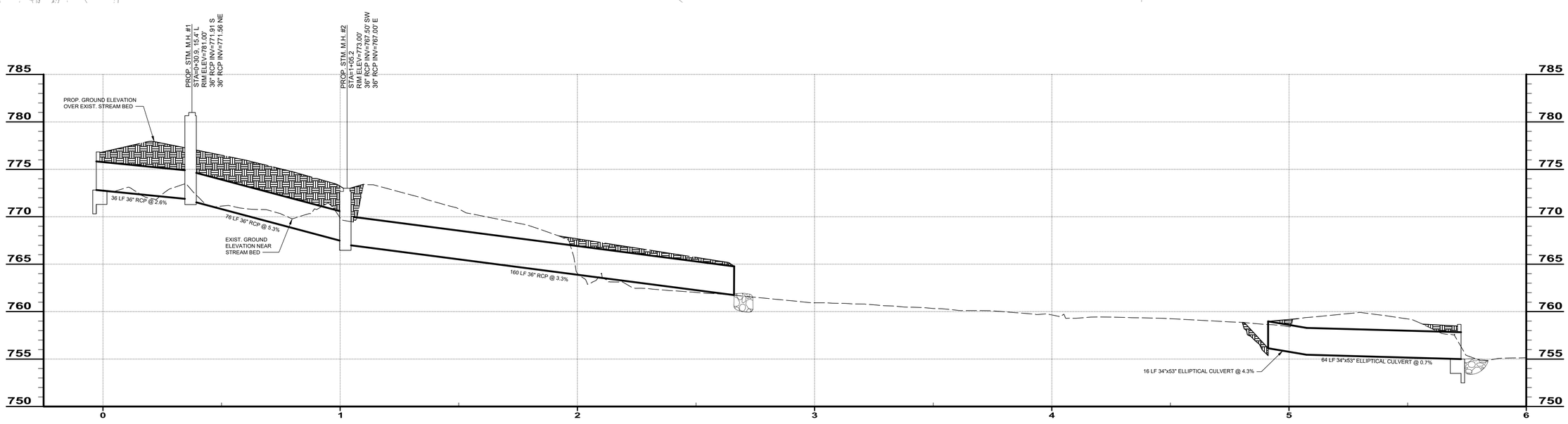
M/E	MATCH EXISTING
H/P	HIGH POINT
T/C	TOP OF CULVERT

NOTE: SEE PROP. GRADING ON ALIGNMENT (THIS SHEET) AND SECTIONS (SHEET 6).

AFTER PIPE INSTALLATION FROM STA. 2+00 TO STA. 2+66, CONTRACTOR TO BACKFILL AND GRADE INTO SWALE.

PLAN

BAR SCALE
20' 10' 0' 20'
SCALE: 1"= 20'



PROFILE (SCALE 1"H:20' 1"V:5')

NO	REVISION	DATE

ISSUED FOR: BID
ISSUE DATE: 08/12/20
SCALE: AS SHOWN
DESIGNED BY: JRH
DRAWN BY: DPK
CHECKED BY: TRL

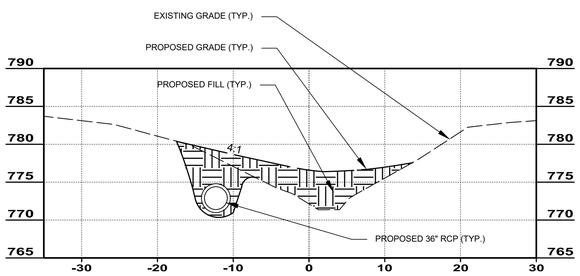
WEST BATH ROAD IMPROVEMENTS
CITY OF CUYAHOGA FALLS
SUMMIT COUNTY, OHIO

PLAN AND PROFILE

PROJECT NO. 190665
DISCIPLINE CIVIL
SHEET NAME PP-01
SHEET 5 OF 10

C:\CT\CAD_DRIVES_H2019\190665\DWG\BASE\C_190665 - P - BASE - DK2.DWG - PLAN PROFILE - 8/7/2020 2:18:33 PM - DANIEL KONSCHAK

NOTE: CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE AND SWALE OVER EXIST. STREAM



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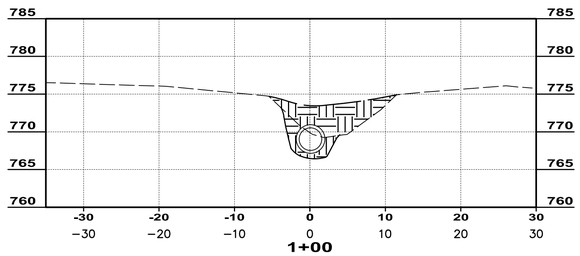

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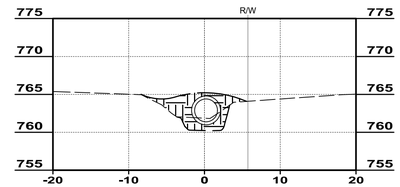

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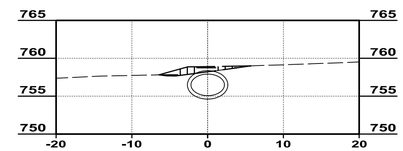

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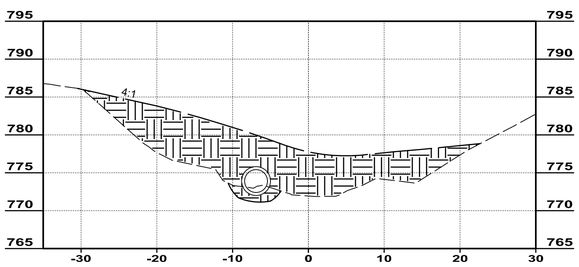

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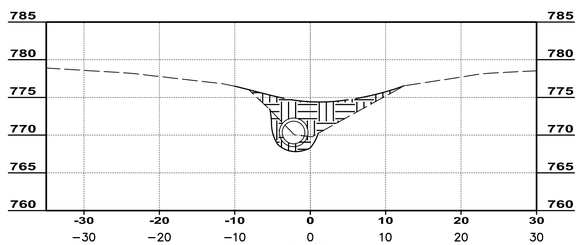

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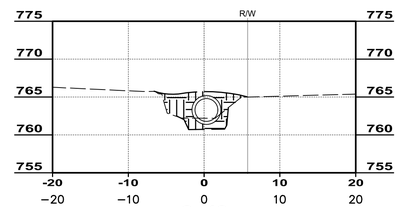

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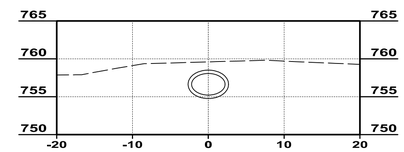

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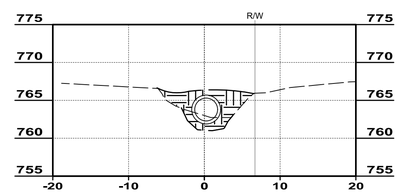

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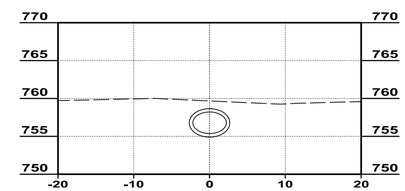

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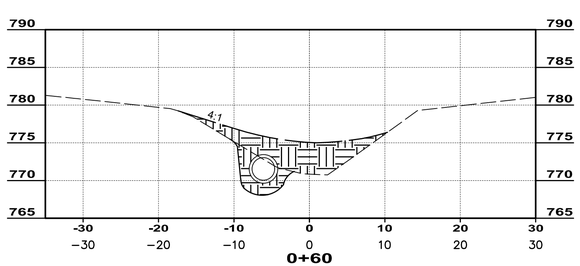

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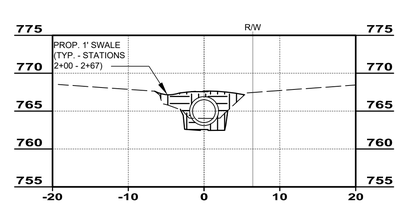

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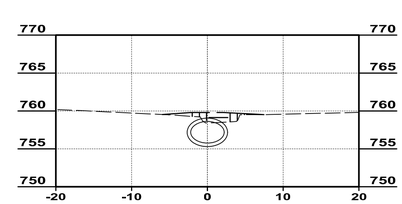

5+00

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DESIGNED BY:	JRH
DRAWN BY:	DPK
CHECKED BY:	TRL

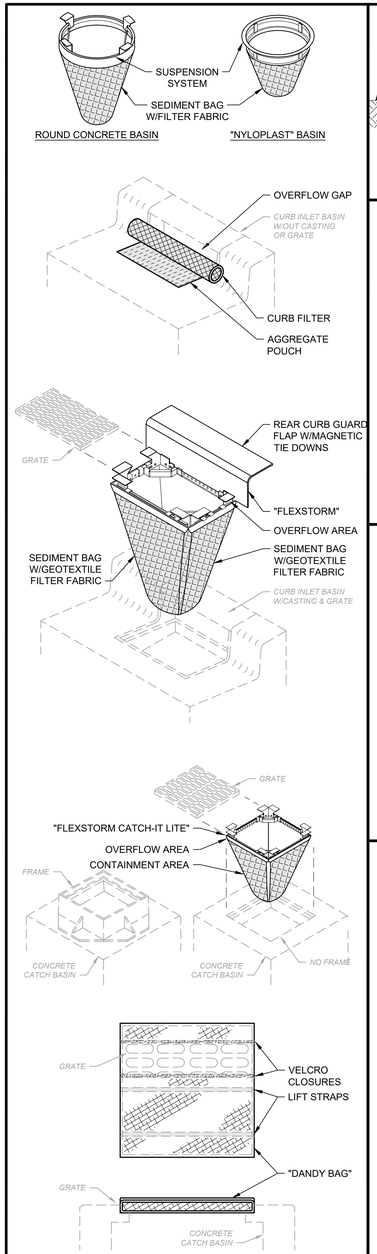
WEST BATH ROAD IMPROVEMENTS

CITY OF CUYAHOGA FALLS
SUMMIT COUNTY, OHIO

CROSS SECTIONS

PROJECT NO.
190665
DISCIPLINE
CIVIL
SHEET NAME
CS-01

SHEET	OF
6	10

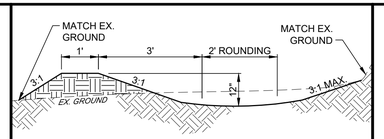


NOTES:

1. ALL NEW AND EXISTING STORM INLET BASINS WITHIN THE WORK LIMITS SHALL HAVE INLET PROTECTION INSTALLED.
2. INLET PROTECTION SHALL BE INSTALLED AS EACH STORM INLET IS CONSTRUCTED.
3. 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.

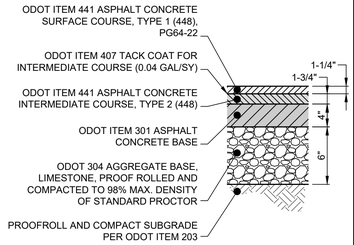
INLET PROTECTION DETAIL

SCALE: NONE



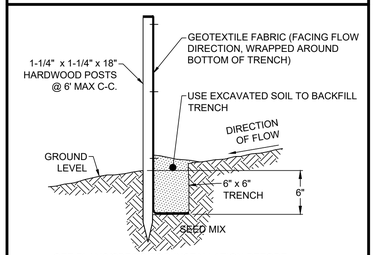
SWALE DETAIL

SCALE: NONE



ASPHALT PAVEMENT REPAIR DETAIL

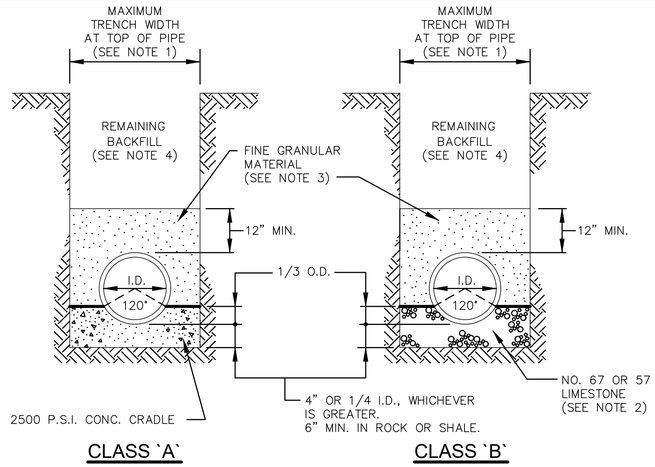
SCALE: NONE



SEE PLANS/SPEC'S FOR INSTALLATION BEFORE CONSTRUCTION BEGINS.

SILT FENCE DETAIL

SCALE: NONE

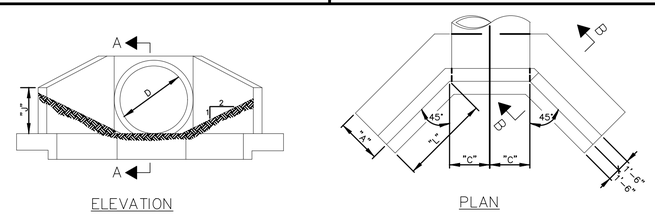


NOTES:

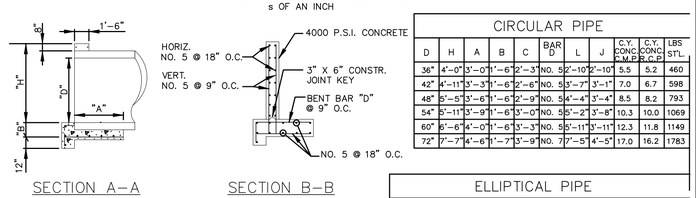
1. MAXIMUM TRENCH AT TOP OF PIPE SHALL BE O.D.+ 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D.; O.D.+ 30" FOR PIPE LARGER THAN 24" I.D. TO 66" I.D.; AND O.D.+ 48" FOR PIPE SIZES 72" AND OVER.
2. PIPE BEDDING SHALL BE NO. 67 OR NO. 57 LIMESTONE.
3. PIPE BACKFILL SHALL BE NO. 67 OR NO. 57 LIMESTONE TO 12" ABOVE TOP OF PIPE.
4. ALL BACKFILL SHALL BE TAMPED WITH MACHINE MOUNTED TAMPING EQUIPMENT. NO FLOODING, JETTING OR PUDDLING OF BACKFILL WILL BE PERMITTED. BACKFILL SHALL BE COMPLETED TO 100% OF MAXIMUM LABORATORY DRY DENSITY PER ASTM D698. REMAINING TRENCH BACKFILL SHALL BE LOW STRENGTH MORTAR (LSM) TO TOP OF TRENCH UNDER PAVEMENT.
5. ALL BEDDING SHALL BE CLASS 'B' UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER.
6. SLAG SHALL NOT BE USED.
7. CLAY DAMS SHALL BE REQUIRED WHEN AND WHERE NECESSARY PER PLAN OR AS DIRECTED BY THE ENGINEER.

TRENCH & BEDDING DETAILS

SCALE: NONE



NOTE: CHAMFER ALL EXPOSED CORNERS OF AN INCH



CIRCULAR PIPE

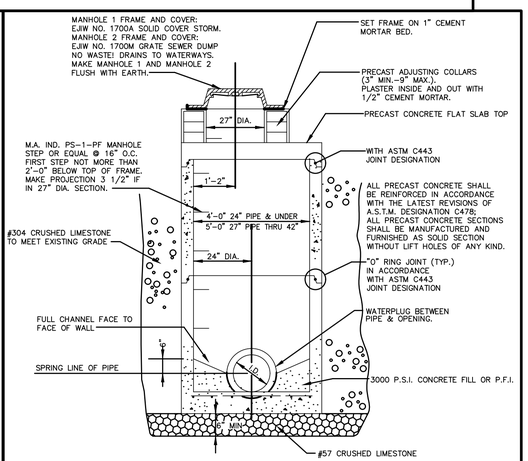
D	H	A	B	C	BAR D	L	J	C.Y. CONC. C.M.P.	C.Y. CONC. R.C.P.	LBS STL.
36"	4'-0"	3'-0"	1'-6"	2'-3"	NO. 5	2'-10"	2'-10"	5.5	5.2	460
42"	4'-11"	3'-3"	1'-6"	2'-6"	NO. 5	3'-7"	3'-1"	7.0	6.7	598
48"	5'-5"	3'-6"	1'-6"	2'-9"	NO. 5	4'-4"	3'-4"	8.5	8.2	793
54"	5'-11"	3'-9"	1'-6"	3'-0"	NO. 5	5'-2"	3'-8"	10.3	10.0	1069
60"	6'-6"	4'-0"	1'-6"	3'-3"	NO. 5	5'-11"	3'-11"	12.3	11.8	1149
72"	7'-7"	4'-6"	1'-7"	3'-9"	NO. 7	7'-5"	4'-5"	17.0	16.2	1783

ELLIPTICAL PIPE

SPAN	RISE	H	A	B	C	BAR D	L	J	C.Y. CONC. C.M.P.	C.Y. CONC. R.C.P.	LBS STL.
68"	43"	5'-0"	3'-3"	1'-7"	3'-7"	NO. 5	6'-11"	3'-2"	9.1	8.7	800

HW-3 HEADWALL DETAIL

SCALE: NONE



TYPE C PRECAST MANHOLE

SCALE: NONE (FOR STORM SEWERS ONLY)

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CHECKED BY:	TRL

WEST BATH ROAD IMPROVEMENTS

CITY OF CUYAHOGA FALLS
SUMMIT COUNTY, OHIO

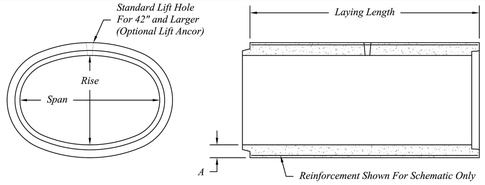
CONSTRUCTION DETAILS - 01

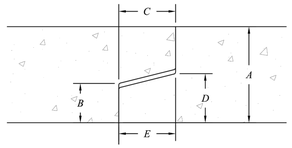
PROJECT NO. 190665

DISCIPLINE: CIVIL

SHEET NAME: CD-01

SHEET 7 OF 10





Equivalent Round (in)			A	B	C	D	E		
Dia.	Rise	Span	Wall (in)	Bell Width	Bell Depth	Spigot Width	Spigot Length	Section Length	Lbs / Section
24	19	30	3.25	1.25	2.0	1.50	2.0	8.0'	2760
30	24	38	3.75	1.375	2.5	1.75	2.5	8.0'	3488
36	29	45	4.5	1.75	3.0	2.25	3.0	8.0'	5032
42	34	53	5	1.875	3.5	2.50	3.5	8.0'	6456
48	38	60	5.5	2.1875	3.75	2.875	3.75	8.0'	8080
54	43	68	6	2.375	4.0	3.125	4.0	8.0'	9960
60	48	76	6.5	2.625	4.0	3.375	4.0	8.0'	11952
66	53	83	7	2.75	5.0	3.75	5.0	8.0'	14112
72	58	91	7.5	2.875	5.5	4.00	5.5	8.0'	16456
78	63	98	8	3.00	6.0	4.25	6.0	8.0'	19008
84	68	106	8.5	3.25	6.0	4.50	6.0	8.0'	21704
90	72	113	9	3.50	6.0	4.75	6.0	8.0'	24584
96	77	121	9.5	3.75	6.0	5.00	6.0	8.0'	27680
102	82	128	9.75	4.50	7.0	5.50	7.0	8.0'	29800

Elliptical Pipe Is Manufactured To ASTM C-507, Reinforcing Class As Required.

Elliptical Pipe Is Independently Air & Hydrostatic Tested.

ELLIPTICAL PIPE DETAIL

SCALE: NONE

1. *Segment Is Cut While Concrete Is Still Green For Required Angle As Shown In Figure A. Trim Exposed Mesh As Required.*
2. *Reinforcing Mesh Is Lapped And Welded After Setting Segment To Required Angle As Shown In Figure B.*
3. *Exposed Area Is Filled And Finished With Redline Speed-Crete Or Equal.*

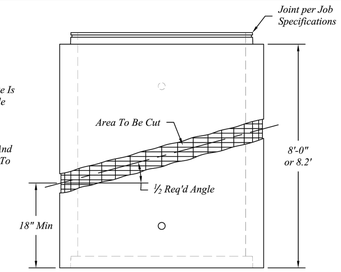


Figure A

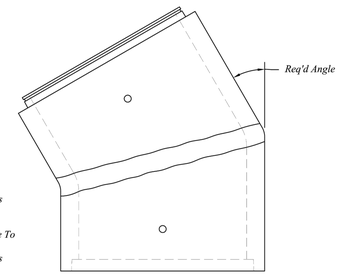


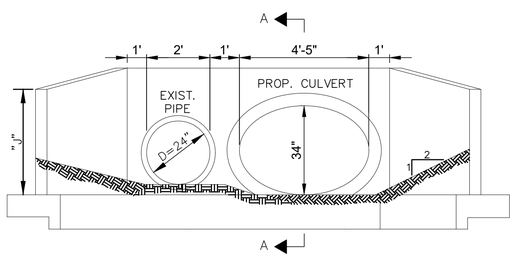
Figure B

Reinforced Concrete Pipe To Be Manufactured To ASTM C-76 Specifications, Reinforcing Class as Required.

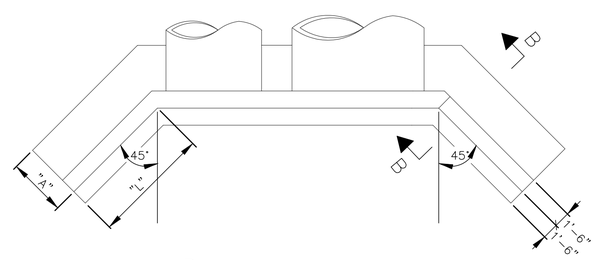
Elliptical Reinforced Concrete Pipe To Be Manufactured To ASTM C-507 Specifications, Reinforcing Class as Required.

PIPE BEND DETAIL

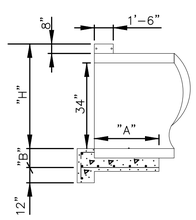
SCALE: NONE



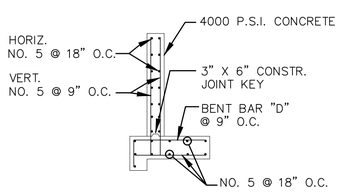
ELEVATION



PLAN



SECTION A–A



SECTION B–B

H	A	B	C	BAR D	L	J
4'–0"	3'–0"	1'–6"	2'–3"	NO. 5	2'–10"	2'–10"

NOTE:CHAMFER ALL EXPOSED CORNERS

HEADWALL DETAIL - TWO OUTLETS

SCALE: NONE

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engineers
architects
planners

NO	REVISION	DATE

ISSUED FOR: BID
ISSUE DATE: 08/12/20
SCALE: AS SHOWN
DESIGNED BY: DPK/JRH
DRAWN BY: DPK
CHECKED BY: JRH

WEST BATH ROAD IMPROVEMENTS

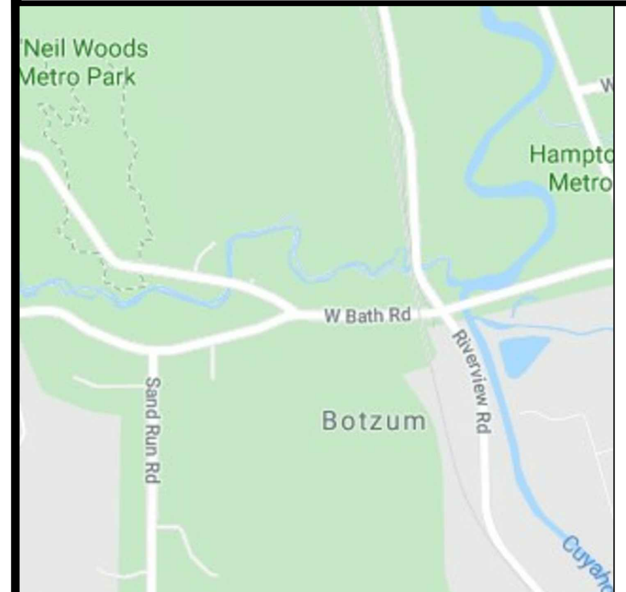
CITY OF CUYAHOGA FALLS
SUMMIT COUNTY, OHIO

CONSTRUCTION DETAILS - 02

PROJECT NO. 190665
DISCIPLINE CIVIL
SHEET NAME CD-02
SHEET 8 OF 10

C:\CTCAD_DRIVES_H2019\190665\SHEETS\C_190665 - CONSTRUCTION DETAILS.DWG - CD-02 - 8/10/2020 8:42:05 AM - JUSTIN HASELTON

VICINITY MAP



SCALE:
1" = 2,000'

SITE INFORMATION

PROJECT INFORMATION:
WEST BATH ROAD AT YELLOW CREEK ROAD
CITY OF CUYAHOGA FALLS, SUMMIT COUNTY, OHIO 44313
LATITUDE: 41.161927 LONGITUDE: −81.581171

OWNER INFORMATION:
CITY OF CUYAHOGA FALLS
2310 SECOND STREET, CUYAHOGA FALLS, OHIO 44221
CONTACT: TONY DEMASI
PHONE: (330) 971-8180

CIVIL ENGINEER INFORMATION:
CT CONSULTANTS, INC.
1001 LAKESIDE AVE. E, SUITE 1005
CLEVELAND, OHIO 44114
CONTACT: JUSTIN HASELTON, P.E.
PHONE: 216-430-8500

TYPE OF CONSTRUCTION:
(X) NEW (X) MAINTENANCE ( ) REDEVELOPMENT

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

DESCRIPTION OF PROJECT:
REDUCE ROADWAY EROSION, FLOODING AND PROPERTY DAMAGE BY MEANS OF CONSTRUCTING A NEW HEADWALL, REPLACING DAMAGED PIPE, EXTENDING STORM SEWER LINE, ADDING CULVERT UNDER ROAD AND REGRADING.
SOIL DISTURBING ACTIVITIES INCLUDE: EROSION AND SEDIMENT CONTROL INSTALLATION; REMOVAL OF TREES, VEGETATION, TOPSOIL, UTILITIES AND SOIL BENEATH PAVEMENT SUBBASE; EARTHWORK GRADING; AND INSTALLATION OF NEW STORM PIPE AND HEADWALL, STORM WATER MANAGEMENT SYSTEM, AND NEW PAVEMENT.

DESCRIPTION OF PRIOR LAND USE:
RESIDENTIAL ROAD WITH DRIVEWAYS AND UTILITIES. STREAM LEADING TO ROADSIDE DITCH.

SITE AREA INFORMATION:

PROJECT LIMIT/CONSTRUCTION AREA:	0.25	AC.
AREA OF SOIL DISTURBANCE:	0.08	AC.
EXISTING IMPERVIOUS AREA:	0.04	AC.
PROPOSED IMPERVIOUS AREA:	0.04	AC.
INCREASE/DECREASE OF IMPERVIOUS AREA:	0	%
PRE-CONSTRUCTION RUNOFF COEFFICIENT:	0.43	
POST-CONSTRUCTION RUNOFF COEFFICIENT:	0.43	

NAME OF RECEIVING STREAM, SURFACE WATER OR MS4:
UNNAMED STREAM TO THE YELLOW CREEK TO THE CUYAHOGA RIVER TO LAKE ERIE

ESTIMATED CONSTRUCTION START DATE: 10/19/2020
ESTIMATED CONSTRUCTION COMPLETION DATE: 12/31/2020

SOIL TYPES

NAME	DESCRIPTION	
CnB	CHILI LOAM, 2%-6% SLOPES	44%
FcB	FITCHVILLE SILT LOAM, 2%-6% SLOPES	17%
GfC2	GLENFORD SILT LOAM, 6%-12% SLOPES	23%
OtF	OSHTEMO-GLENFORD COMPLEX, 25%-75% SLOPES	16%

GENERAL NOTES

1) ALL WORK REQUIRED TO IMPLEMENT THE EROSION AND SEDIMENT CONTROL PLAN INCLUDING INSPECTION FEES, MAINTENANCE AND REPAIRS SHALL BE DONE BY AND AT THE EXPENSE OF THE CONTRACTOR.
2) THE CONTRACTOR SHALL AMEND THE EROSION AND SEDIMENT CONTROL PLAN WHEN THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE THAT REQUIRES INSTALLATION OF BMPS OR MODIFICATION TO EXISTING BMPS.
3) ADDITIONAL OR DIFFERENT BMPS MAY BE NEEDED AS CONSTRUCTION PROGRESSES OR AS REQUIRED BY THE OWNER, SWCD OR OHIO EPA.
4) PHASE CONSTRUCTION ACTIVITIES TO MINIMIZE LAND DISTURBED AT ANY ONE TIME AND LEAVE EXISTING VEGETATION IN PLACE AS LONG AS POSSIBLE.

ADMINISTRATIVE NOTES

1) A NOI IS NOT REQUIRED FOR THIS PROJECT BECAUSE THE TOTAL LAND DISTURBANCE IS LESS THAN 1 ACRE AND IS NOT PART OF A LARGER COMMON DEVELOPMENT.
2) THE CONTRACTOR SHALL FOLLOW THE PRACTICES AND REQUIREMENTS PROVIDED IN THE OHIO EPA NPDES CONSTRUCTION SITE STORM WATER GENERAL PERMIT OHC000004 AND THE ODNR RAINWATER AND LAND DEVELOPMENT MANUAL, AND BE RESPONSIBLE FOR ALL NPDES TERMS AND CONDITIONS UNTIL A NOT IS FILED.

EROSION CONTROL NOTES

1) SPECIAL MEASURES SHALL BE TAKEN TO STABILIZE DRAINAGE CHANNELS AND STORM WATER OUTFALLS.
2) DIVERT SURFACE RUNOFF AWAY FROM DISTURBED AREAS AND STEEP SLOPES WHEREVER PRACTICABLE.
3) 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

1) INLET PROTECTION AND SEDIMENT BARRIERS MUST BE INSTALLED PRIOR TO CLEARING AND GRUBBING.
2) PERIMETER SEDIMENT BARRIERS SHALL BE INSTALLED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF CLEARING AND GRUBBING.
3) 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.
4) SEDIMENT CONTROLS MUST POND RUNOFF TO BE CONSIDERED FUNCTIONAL.
5) 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.
6) 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.
7) 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.

EROSION CONTROL TIMETABLE

	2019					2020											
STABILIZATION	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
TEMP. SEEDING	⊗	○	○					○	○	⊗	⊗	⊗	⊗	○	○		
PERM. SEEDING	⊗	○	○						○	⊗	⊗	⊗	⊗	○	○		
SODDING	⊗	⊗	⊗					⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		
MULCHING	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
PAVING	○	○	○	○						○	○	○	○	○	○	○	

⊗ – IRRIGATION NEEDED

PERMIT CLOSURE REQUIREMENTS

1) 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.

TMDLS AND BMPS SELECTED

1) THE FOLLOWING BMPS ARE SELECTED TO ADDRESS APPLICABLE TMDLS FOR THE PROJECT:

CONSTRUCTION SITE:
( ) DEMARCATE PROTECTED AREA BEFORE CONSTRUCTION
(X) MAINTAIN PORTABLE TOILET AND EMPTY W/OUT SPILL
(X) PROPER STORAGE OF LANDSCAPE FERTILIZER
(X) MS4 MONTHLY INSPECTIONS DURING CONSTRUCTION
(X) RESOLVE NON-COMPLIANCE EROSION AND SEDIMENT CONTROL PLAN INSPECTION ITEMS
( ) FINAL INSPECTION TO ENSURE BMP IMPLEMENTATION

TEMPORARY EROSION CONTROL:
( ) CHECK DAMS ( ) TEMPORARY DIVERSION
( ) SLOPE DRAIN ( ) STREAM UTILITY CROSSING
( ) DEWATERING ( ) STREAM CROSSING

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

SOIL STABILIZATION:
(X) DUST CONTROL (X) PHASED DISTURBANCE
(X) MULCHING (X) CLEARING AND GRUBBING
( ) SODDING (X) TEMPORARY SEEDING
(X) TOPSOILING (X) PERMANENT SEEDING
( ) GRADE TREATMENT (X) CONSTRUCTION ENTRANCE
( ) TEMPORARY ROLLED EROSION CONTROL PRODUCTS
( ) TURF REINFORCEMENT MATTING
(X) TREE AND NATURAL AREA PRESERVATION

PERMANENT EROSION CONTROL:
(X) GRASSED SWALE ( ) ROCK LINED CHANNEL
( ) LEVEL SPREADER (X) ROCK OUTLET PROTECTION
( ) DIVERSION ( ) SUBSURFACE DRAIN

POLLUTION PREVENTION AND GOOD HOUSEKEEPING:
(X) ROUTINE FACILITY INSPECTIONS
(X) VISUAL ASSESSMENT OF STORM WATER DISCHARGE
( ) ANNUAL COMPREHENSIVE SITE INSPECTION
( ) SWEEP PARKING LOT AND DRIVE LANES
(X) CLEAN CATCH BASINS
(X) STORE WASTE IN LIDDED CONTAINERS
(X) LOCATE SNOW DISPOSAL AREAS AWAY FROM BMPS
( ) ESTABLISH "PICK-UP PET WASTE" STATION

POST-CONSTRUCTION:
( ) WETLAND SETBACK ( ) STREAM SETBACK
( ) WATER QUALITY POND ( ) PERMEABLE PAVEMENT
( ) GRASS FILTER STRIP ( ) INFILTRATION TRENCH
( ) TREE BOX FILTER ( ) SAND FILTER
( ) GREEN ROOF ( ) LTMA
( ) BIORETENTION AREA ( ) CISTERN
( ) BIORETENTION WITH INTERNAL WATER STORAGE
( ) OPEN CHANNEL SWALES
( ) WET EXTENDED DETENTION BASIN
( ) DRY EXTENDED DETENTION BASIN WITH FOREBAY
( ) RETROFIT SWMF TO TREAT WQV
( ) RETROFIT SWMF TO INCREASE INFILTRATION
( ) RETROFIT SWMF POND TO FUNCTION AS WETLAND
( ) AS-BUILT POST-BMPS
( ) SUBMIT LTMA ANNUAL MAINTENANCE REPORT TO MS4
( ) REDUCE IMPERVIOUS SURFACES
( ) DECREASE QUANTITY OF PARKING SPACES
( ) LOW IMPACT DEVELOPMENT
( ) CONSERVATION DEVELOPMENT
( ) DISCONNECT DOWNSPOUT AND REDIRECT TO BMP
( ) VEGETATE MAINTENANCE/STORAGE YARD OPEN AREAS
( ) IMPLEMENT LOW-MOW OR NO-MOW PRACTICES
( ) PEST MANAGEMENT PROGRAM

MAINTENANCE REQUIREMENTS

1) BMPS SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL UPSLOPE AREAS THEY CONTROL ARE STABILIZED.
2) 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.
2) 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.
3) 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
4) 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.
5) 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.
6) 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 "STORM WATER POLLUTION PREVENTION PLAN AMENDMENT LOG" FORM COMPLETED.
7) 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.
8) 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:
   - FROZEN CONDITIONS ARE ANTICIPATED TO CONTINUE FOR EXTENDED PERIODS OF TIME (I.E. MORE THAN 1 MONTH).
   - SOIL DISTURBANCE ACTIVITIES HAVE BEEN SUSPENDED.
   - THE BEGINNING AND ENDING DATES OF THE WAIVER PERIOD ARE DOCUMENTED IN THE SWP3.
9) ONCE A DEFINABLE AREA HAS BEEN FULLY STABILIZED, IT MAY BE MARKED ON THE SWP3 AND NO FURTHER INSPECTION REQUIREMENTS ARE REQUIRED FOR THAT AREA OF THE SITE.
10) INSPECTIONS SHALL BE PERFORMED UNTIL A NOT IS FILED WITH THE OHIO EPA.

SEEDING NOTES

TEMPORARY SEEDING
SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY SEEDING AND STRAW MULCHING ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF EXCAVATION OR FILL AND FINISH GRADING IN ACCORDANCE WITH SPECIFICATIONS OF THE ODNR RAINWATER AND LAND DEVELOPMENT MANUAL.

EMBANKMENTS SHALL BE SEEDED AND STRAW MULCHED WITHIN SEVEN (7) DAYS OF COMPLETED CONSTRUCTION.

DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR A PERIOD OF FOURTEEN (14) DAYS OR LONGER SHALL BE STABILIZED WITH SEEDING AND STRAW MULCHING, OR OTHER APPROPRIATE MEANS, WITHIN SEVEN (7) DAYS AFTER EARTH MOVING CEASES. PERMANENT SOILS STABILIZATION SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.

STABILIZE AREAS WITHIN FIFTY (50) FEET OF ANY STREAM OR WETLAND WITHIN TWO (2) DAYS ON ALL INACTIVE DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR FOURTEEN (14) DAYS OR LONGER.

SEEDED AREAS SHALL BE INSPECTED AND WHERE THE SEED HAS NOT PRODUCED 80% COVER SHALL BE RESEEDED AS NECESSARY BY THE CONTRACTOR. AREAS SHALL BE STABILIZED WITH STRAW MULCH WHEN SUB-CONDITIONS PROHIBIT SEEDING.

STRAW MULCHING SHALL BE APPLIED AT A RATE OF 90 POUNDS PER 1000 SQ.FT. OF DISTURBED AREA OR TWO (2) TONS PER ACRE. ALL HYDROSEEDING MUST BE WOOD CELLULOSE FIBER AND APPLIED AT 2000 LBS/AC OR 46 POUNDS PER 1000 SQ.FT.

PERMANENT SEEDING
PERMANENT SEEDING SHALL BE COMPLETED WITHIN 7 DAYS OF ACHIEVING FINAL GRADE IN AREAS DESIGNATED BY THE OWNER THAT WILL REMAIN UNDISTURBED FOR MORE THAN 12 MONTHS. SEEDING SHALL PER SPECIFICATIONS.

OTHER WASTE CONTROL NOTES

1) 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.
2) 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.
3) 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 TARPAULIN.
4) 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.
5) 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.
6) 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.
7) ANY TOXIC OR HAZARDOUS MATERIAL SPILL, REGARDLESS OF SIZE, MUST BE REPORTED WITHIN 30 MINUTES TO THE LOCAL FIRE DEPARTMENT AND OHIO EPA.
8) 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.
9) 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.

SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES

1) OHIO EPA NPDES PERMIT REQUIREMENTS.
2) CONTRACTOR SUBMITS CONSTRUCTION SCHEDULE FOR CONSTRUCTION ACTIVITIES.
3) BEGIN INSPECTION, MAINTENANCE, RECORD KEEPING AND SITE POSTING OF BMPS.
4) ESTABLISH STAGING AREA AND NON-SEDIMENT BMPS.
5) INSTALL SILT FENCE AND CONSTRUCTION ENTRANCE.
6) 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.
7) BEGIN SITE DEMOLITION AND CONSTRUCTION.
8) INSTALL DEWATERING MEASURES.
9) BEGIN EARTHWORK OPERATIONS.
10) APPLY TEMPORARY SEED.
11) INSTALL STORM SEWERS.
12) INSPECT AND CLEAN EXISTING AND NEW STORM SEWERS.
13) APPLY PERMANENT SEED.
14) CONTINUE INSPECTIONS, MAINTENANCE, RECORD KEEPING, AND SITE POSTING UNTIL FINAL STABILIZATION ACHIEVED.
15) REMOVE TEMPORARY BMPS FROM STORM SEWER AND INLETS, AND OPEN GUTTERS AND DITCHES TO OBTAIN FREE DRAINAGE.
16) DISPOSE OF ALL DEBRIS AND WASTE MATERIAL.

your trusted advisor
consultants → engineers, architects, planners

NO	REVISION	DATE

ISSUED FOR:	BID
ISSUE DATE:	08/12/20
SCALE:	AS SHOWN
DESIGNED BY:	JRH
DRAWN BY:	DPK
CHECKED BY:	TRL

WEST BATH ROAD IMPROVEMENTS
CITY OF CUYAHOGA FALLS
SUMMIT COUNTY, OHIO

EROSION & SEDIMENT CONTROL - 01

PROJECT NO.
190665
DISCIPLINE
CIVIL
SHEET NAME
E&SC-01

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	
				☐ TEMP. ☐ PERM.	
				☐ TEMP. ☐ PERM.	
				☐ TEMP. ☐ PERM.	
				☐ TEMP. ☐ PERM.	
				☐ TEMP. ☐ PERM.	
				☐ TEMP. ☐ PERM.	
				☐ TEMP. ☐ PERM.	
				☐ TEMP. ☐ PERM.	

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)

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engineers
architects
planners

NO	REVISION	DATE

ISSUED FOR: BID
ISSUE DATE: 08/12/20
SCALE: AS SHOWN
DESIGNED BY: JRH
DRAWN BY: DPK
CHECKED BY: TRL

WEST BATH ROAD IMPROVEMENTS
CITY OF CUYAHOGA FALLS
SUMMIT COUNTY, OHIO

EROSION & SEDIMENT CONTROL - 02

PROJECT NO.
190665

DISCIPLINE
CIVIL

SHEET NAME
E&SC-02

SHEET 10 OF 10