# RIVERFRONT PARKWAY

# CUYAHOGA FALLS, OHIO CUYAHOGA RIVER BANK STABILIZATION

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(WORK AREA)

DATE 12/01/2021

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CITY OF CUYAHOGA FALLS

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DATE 11/30/2021

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100% SUBMITTAL SEPTEMBER, 2021

### PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON ANSI D (22"x34") SHEETS. FOR REDUCTIONS, REFER TO GRAPHIC SCALE.

THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF THE PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

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REV. DATE DESCRIPTION
1 03/18/20 DRAFT
2 09/13/21 REVISIONS PER CITY COMMENTS

CUYAHOGA RIVER BANK STABILIZATIC
RIVERFORNT PARKWAY
CUYAHOGA FALLS, OHIO

ISSUED FOR:

PERMIT 09/13/2021

BID 
CONSTRUCTION

RECORD -

2017064.00

SHEET:

G-001

SHEET NO:

SHEET 1/11

#### EXISTING UTILITIES

THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY FACILITIES ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF THE FIELD SURVEY IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE (O.R.C.). THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF THE EXISTING UTILITY OWNERS AND UTILITY PROTECTION SERVICE IN ACCORDANCE WITH SECTION 153.64 OF THE O.R.C. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE SITE AND BECOME FAMILIAR WITH ALL UTILITIES (WATER, SANITARY, ELECTRIC, GAS, TELEPHONE, FIBER OPTIC CABLE, ETC.) WITHIN THE LIMITS OF THE PROJECT. WHICH MAY INTERFERE WITH THE PROPOSED CONSTRUCTION. THE DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING FACILITIES HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING FACILITIES AND DO NOT NECESSARILY REPRESENT AS-BUILT CONDITIONS.

ROCK BANK STABILIZATION

BEFORE ANY WORK IS STARTED THAT WILL INTERFERE WITH THE EXISTING UTILITIES, THE CONTRACTOR SHALL CALL "OHIO 811", AT 1-800-362-2764, FORTY-EIGHT (48) HOURS IN ADVANCE OF THE WORK. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UNDERGROUND AND OVERHEAD UTILITY LINES DURING THE ENTIRE PROJECT. 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 CLIENT, INCLUDING ANY INSPECTION FEES OR MAINTENANCE

WHERE EXISTING UTILITY POLES ARE IN CLOSE PROXIMITY TO WORK, THE CONTRACTOR SHALL COORDINATE HIS WORK EFFORTS WITH THOSE OF THE UTILITY COMPANIES SUCH THAT THE OPERATION OF THEIR EXISTING FACILITIES CAN BE MAINTAINED AND PROTECTED DURING THE TIME WORK IS GOING ON ADJACENT TO THE POLE.

#### AS-BUILT DRAWINGS

THIS ITEM SHALL INCLUDE ALL NECESSARY LABOR AND MATERIAL NEEDED TO PROVIDE THE CITY OF CUYAHOGA FALLS WITH ACCURATE AS-BUILT DRAWINGS. THESE DRAWINGS SHALL INCLUDE THE EXACT LOCATION OF ITEMS INVOLVING UTILITIES AND RIVER WORK. THE DATE OF ITEM INSTALLATION SHALL BE INDICATED ON THE DRAWINGS. ALL EXCAVATIONS AND MATERIALS PLACEMENT SHALL BE SHOWN ON THE AS-BUILT DRAWINGS WITH LOCATION AND DIMENSIONS, DATE OPENED, AND DATE BACKFILLED. CONTRACTOR SHALL RETAIN A REGISTERED OHIO PROFESSIONAL SURVEYOR TO CONDUCT AN AS—BUILT SURVEY AND PREPARE A PLAN FORM DRAWING SHOWING PHYSICAL FEATURES INSTALLED. AS-BUILTS WILL BE REQUIRED PRIOR TO PROJECT CLOSEOUT. THE CONTRACTOR SHALL PROVIDE THE CITY WITH ONE 22"X34" AND ONE 11"X17" HARD COPY SET OF THE DRAWINGS AS WELL AS A DVD WITH THE CAD FILES AND A PDF VERSION OF THE AS-BUILT DRAWINGS. ALL WORK REQUIRED SHALL BE INCLUDED IN THE LUMP SUM PRICE WITH PAY ITEM.

<u>SURVEYING PARAMETERS</u>

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON THIS PROJECT. SEE SHEET 3 OF THE PLANS FOR PROJECT CONTROL INFORMATION. USE THE FOLLOWING VERTICAL AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS

VERTICAL POSITIONING ORTHOMETRIC HEIGHT

DATUM: NAVD88

GEOID: 12B HORIZONTAL POSITIONING

> • REFERENCE FRAME: NAD83 (2011)

• ELLIPSOID: GRS80

 MAP PROJECTION: LAMBERT CONFORMAL CONIC • COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE 3401

1.0000 (PROJECT IS IN GRID COORDINATES) COMBINED SCALE FACTOR: [UNITS ARE IN U.S. SURVEY FEET]

#### EARTHWORK ACTIVITIES

THE CONTRACTOR SHALL PERFORM EARTHWORK GRADING IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT BY GPD GROUP, DATED MARCH 16, 2020 AND REFERENCED IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR SOILS REPORT, THE SITE GRADING, EXCAVATION, AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.

CONTROLLED LIFTS OF GRANULAR MATERIAL SHALL BE COMPACTED TO 80% RELATIVE DENSITY PER ASTM D-4524. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND THE DIRECTION OF CONTRACTOR RETAINED SOILS ENGINEER REGISTERED WITHIN THE STATE TO ENSURE COMPLIANCE WITH THE GEOTECHNICAL REPORT. ENSURE THAT ALL SHORING AND DEWATERING MEANS AND METHODS WILL NOT COMPROMISE THE STABILITY OF EXISTING OR PROPOSED SOILS.

COHESIVE SOILS ARE NOT PERMITTED TO BE USED FOR EMBANKMENT CONSTRUCTION.

#### CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7:00 PM (DUSK) AND 7:30 AM MONDAY-FRIDAY, DUSK - 8:00 AM SATURDAY, AND NO WORK ON SUNDAY. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

#### CONSTRUCTION STAKES AND SURVEYING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING AS PER PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROCURE THE SERVICES OF A SURVEYOR REGISTERED IN THE STATE OF OHIO TO PROVIDE ALL CONSTRUCTION STAKING.

THE ABOVE REQUIREMENTS SHALL NOT BE CONSTRUED TO REPLACE ANY REQUIREMENTS AS STATED IN THE CURRENT PUBLICATION OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION MANUAL SPECIFICATIONS.

#### **WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

#### PRE-CONSTRUCTION VIDEO TAPING

THE CONTRACTOR SHALL RECORD AN AUDIO VISUAL TAPE OF THE PROJECT LIMITS AND ADJACENT AREAS, ESPECIALLY WITHIN THE VICINITY OF THE ADJACENT BUILDINGS AND ANY AREAS WHERE EXISTING CONDITIONS MAY BE DISTURBED. THE TAPE SHALL BE OF DIGITAL FORMAT AND A COPY SHALL BE MADE IN ACCORDANCE WITH THE CITY OF CUYAHOGA FALLS REQUIREMENTS.

#### CLEARING AND GRUBBING

REMOVE ALL TREE AND STUMPS NECESSARY WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR THIS ITEM. WHILE CLEARING AND GRUBBING LIMITS ARE IDENTIFIED AS THE ENTIRE AREA WITHIN THE CONSTRUCTION LIMITS, THE CONTRACTOR SHALL FIELD VERIFY WHICH TREES AND STUMPS NEED TO BE REMOVED.

THIS PROJECT SHOULD BE CONSIDERED TO BE WITHIN THE RANGE OF THE FEDERALLY ENDANGERED INDIANA BAT (MYOTIS SODALIST) AND NORTHERN LONG—EARED BAT (MYOTIS SEPTENTRIONALIS), ALL CUTTING OF TREES MUST TAKE PLACE BETWEEN OCTOBER 1 AND MARCH 31.

#### EXCA VA TION

THIS ITEM OF WORK SHALL CONSIST OF REMOVING AND DISPOSING OF ALL UNSUITABLE MATERIAL BY EXCAVATING BOTH THE EXISTING STREAM CHANNEL AND STREAM BANKS. THE CONTRACTOR SHALL STOCKPILE ANY EXISTING STREAM SUBSTRATE FOR USE IN FILLING THE VOIDS OF THE PROPOSED ROCK CHANNEL PROTECTION MATERIAL AND SHALL HAUL OFF ANY ADDITIONAL EXCAVATED MATERIAL. ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

<u>EMBANKMENT</u>

THE PROPOSED GRADING FOR THE PROJECT, AS DETAILED ON SHEETS 5 THRU 8, SHALL BE ODOT GRANULAR MATERIAL TYPE F (ENGINEERED FILL). THE GRANULAR MATERIAL SHALL HAVE A MAX TOP SIZE OF 4 INCHES AND A MAXIMUM OF FINES (PASS #200 SIEVE) OF 10%. GRANULAR MATERIAL SHALL BE COMPACTED TO 80% RELATIVE DENSITY PER ASTM D-4524. THE COMPACTION TEST SHALL BE ACCOMPLISHED BY PLACING THE FILL IN SUCCESSIVE, HORIZONTAL, APPROXIMATELY 8 TO 10 INCH-THICK LOOSE LIFTS AND MECHANICALLY COMPACTING EACH LIFT TO AT LEAST THE SPECIFIED MINIMUM DRY DENSITY. ALL EQUIPMENT. LABOR. TOOLS. AND INCIDENTALS. INCLUDING CONTRACTOR RETAINED SOILS ENGINEER, NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

#### TOE ROCK TRENCH

THE CONTRACTOR SHALL CONSTRUCT A TOE ROCK TRENCH ALONG THE TOE OF SLOPE ON THE PROPOSED WESTERN BANK. FOR TOE ROCK TRENCH LOCATION AND DETAILS, SEE SHEETS 5 AND 11. ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

#### ROCK TRENCH KEY

THE CONTRACTOR SHALL CONSTRUCT A ROCK TRENCH KEY ON THE UPSTREAM WESTERN BANK. FOR APPROPRIATE LOCATION AND ADDITIONAL DETAILS, SEE SHEETS 5 AND 11. ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

THE CONTRACTOR SHALL PLACE ROCK BANK STABILIZATION ALONG THE WESTERN RIVER BANK BETWEEN THE PROPOSED GRADING AND CREEK CHANNEL, AS DETAILED ON SHEET 11 AND SHOWN ON SHEETS 5-8. ROCK BANK STABILIZATION SHALL EXTEND VERTICALLY UP THE PROPOSED WESTERN BANK AS INDICATED ON THE CROSS SECTIONS ON SHEETS 6-8. FOR ROCK BANK STABILIZATION MIX. SEE SHEET 11.

ROCK BANK STABILIZATION WITHIN 6" OF FINISHED GRADE SHALL BE CHOKED WITH BANKRUN MATERIAL OR NATIVE SUBSTRATE. BANKRUN SHALL BE DEFINED AS AN AGGREGATE CONSISTING OF A NATURAL NON CRUSHED SAND/GRAVEL UNWASHED/UNSORTED MATERIAL COMPOSED OF A MIXTURE OF HARD, DURABLE PARTICLES OR FRAGMENTS OF STONE OR GRAVEL AND SAND, AND SMALL AMOUNTS OF SILT, CLAY OR OTHER SIMILAR BINDING MATERIAL, AND SHALL BE FREE OF EXCESSIVE OR DETRIMENTAL AMOUNTS OF CLAY, CLAY LUMPS, LOAM, ROOTS, VEGETABLE MATTER, RUBBISH, WOOD, MULCH OR OTHER NON-STABLE MATERIALS.

ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

#### <u>SEEDING AND MULCHING</u>

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL TO THE EDGE OF WATER WITHIN THE PROPOSED CONSTRUCTION LIMITS. REFER TO SHEET 9 FOR APPROPRIATE SEEDING AND MULCHING LIMITS.

ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE AND COMPLY THE LUMP SUM PRICE STIPULATED ON THE BID FORM FOR THIS ITEM SHALL BE ADDED TO TO THE ODOT SPECIFICATIONS FOR THE SEEDING AND MULCHING WITHIN THE PROJECT AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

#### **TOPSOIL**

TOPSOIL SHALL BE APPLIED 4" - 6" THICK TO ALL AREAS WHERE SEEDING AND MULCHING IS PROPOSED WITHIN THE CONSTRUCTION LIMITS. THIS AREA INCLUDES THE AREA OVER THE 10% GENERAL CONTINGENCY ALLOWANCE ROCK CHANNEL PROTECTION WHERE TOPSOIL IS TO BE APPLIED TO THE TOP 6". REFER TO THE SHEET 9 FOR APPROPRIATE SEEDING AND MULCHING LIMITS WHERE TOPSOIL IS TO BE APPLIED.

ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE AND COMPLY QUANTITIES ARE EXCEEDED. TO THE ODOT SPECIFICATIONS FOR THE TOPSOIL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

#### EROSION CONTROL MAT, TYPE C

THE CONTRACTOR SHALL CONSTRUCT EROSION CONTROL MATTING, TYPE C (BIONET SC150BN OR EQUAL) ON THE SLOPE ALONG THE DISTURBED AREAS THAT ARE TO RECEIVE SEEDING AND MULCHING AND ARE ABOVE THE 100-YEAR ELEVATION INDICATED ON THE PLANS. TYPE C MATTING MUST BE ABLE TO RESIST VELOCITIES OF UP TO 8 FT/S AND SHEAR STRESSES OF UP TO 2 LBS/ SQ. FT. FOR APPROPRIATE MATTING LOCATIONS, SEE SHEET 9. ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

#### EROSION CONTROL MAT, TYPE F

THE CONTRACTOR SHALL CONSTRUCT EROSION CONTROL MATTING, TYPE F (ROLANKA BioD - MAT 90 OR EQUAL) ON THE SLOPE ALONG THE DISTURBED AREAS THAT ARE TO RECEIVE SEEDING AND MULCHING AND ARE BELOW THE 100-YEAR ELEVATION INDICATED ON THE PLANS. TYPE F MATTING MUST BE ABLE TO RESIST VELOCITIES OF UP TO 16 FT/S AND SHEAR STRESSES OF UP TO 5 LBS/SQ. FT. FOR APPROPRIATE MATTING LOCATIONS. SEE SHEET 9 ALL EQUIPMENT. LABOR. TOOLS. AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

#### WATER DIVERSION PLAN

CONTRACTOR SHALL IMPLEMENT MEASURES TO KEEP THE WORK AREA FREE OF FLOWING WATER THAT MAY ADVERSELY IMPACT THE EXCAVATIONS REQUIRED FOR CONSTRUCTION. IT IS EXPECTED THAT THE WORK WILL BE PERFORMED DURING LOW FLOW PERIODS. THE CONTRACTOR MAY UTILIZE PORTABLE BARRIERS TO ISOLATE THE WORK AREA. THE MEANS AND METHODS TO IMPLEMENT SUCH MEASURES SHALL BE INCLUDED IN THE WATER DIVERSION PLAN SUBMITTAL. BASE FLOW CONDITIONS SHALL BE MAINTAINED DOWNSTREAM OF THE WORK AREA AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT THE WORK AREA AND LOCATE EQUIPMENT OUT OF THE ACTIVE WATERWAY DURING RAIN EVENTS THAT CAUSE AN INCREASE IN FLOW IN THE RIVER. THE CONTRACTOR SHALL PROVIDE A WATER DIVERSION PLAN SUBMITTAL FOR APPROVAL 14 DAYS PRIOR TO IMPLEMENTING THE WATER DIVERSION PLAN. ALL EQUIPMENT, LABOR. TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR THIS ITEM.

#### LIVE STAKES

THE CONTRACTOR SHALL INSTALL LIVE STAKE CUTTINGS DURING PLANT DORMANCY (FEBRUARY 1ST TO EARLY/MID APRIL). CUTTINGS SHOULD BE FROM 2-3 YEARS GROWTH WITH 1 INCH DIAMETER MINIMUM AND AVERAGE 4 FT IN LENGTH. LIVE STAKES SHOULD BE HARVESTED OR PURCHASED CLOSE TO INSTALLATION DATE, KEPT MOIST AND OUT OF DIRECT SUNLIGHT. LIVE STAKES MUST BE KEPT COVERED AND MOIST DURING STORAGE AND TRANSPORT. THE LOWER 1/2 OF THE LIVE STAKES SHALL BE PRE-SOAKED IN WATER FOR 24 HOURS PRIOR TO INSTALLATION. INSTALL LIVE STAKES ON 3 FT C/C SPACING ALONG THE WEST BANK. IT MAY BE NECESSARY TO CREATE A PILOT HOLE PRIOR TO INSTALLING LIVE STAKE. TAP CUTTING TO A DEPTH 2/3 ITS LENGTH USING A RUBBER MALLET TO AVOID DAMAGE. CUT ANY DAMAGED PORTION OFF CLEANLY. CUTTING SHALL BE INSTALLED AT AN ANGLE DOWNSTREAM WITH FLOW OF THE STREAM. THE BASAL ENDS OF THE LIVE STAKES SHALL BE CUT AT A 45 DEGREE ANGLE SO THAT THE ROOTING END IS PLANTED IN THE SOIL. SPECIES TO BE INSTALLED SHALL BE SALIX SERICEA — SILKY WILLOW AND SALIX INTERIOR — SANDBAR WILLOW. INSTALL A MINIMUM OF TWO SPECIES AT A 1:1 RATIO OF THE QUANTITY SPECIFIED. ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

#### <u>EROSION AND SEDIMENT CONTROL MANAGEMENT AND IMPLEMENTATION</u>

THIS WORK CONSISTS OF LOCATING, FURNISHING, INSTALLING, AND MAINTAINING TEMPORARY SEDIMENT AND EROSION CONTROL BEST MANAGEMENT PRACTICES FOR EACH DISTURBING ACTIVITY AREA BASED ON THE APPROVED STORMWATER POLLUTION PREVENTION PLAN. THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NEEDED TO COMPLETE THE EROSION CONTROL/ SEDIMENT CONTROL AND SHALL BE PAID UNDER THIS ITEM.

#### CONDUIT REPAIR

AS DEFINED ON SHEET 5, THE CONTRACTOR SHALL USE A MATERIAL MATCHING THE EXISTING CONDUIT TO REPAIR AND LENGTHEN THE EXISTING CONDUITS AS NECESSARY TO DRAIN ONTO THE PROPOSED GRADE AND ROCK CHANNEL PROTECTION. THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NEEDED SHALL BE PAID UNDER THIS ITEM.

#### <u>SITE ACCESS AND HAUL ROAD (EXCAVATION AND SITE RESTORATION)</u>

THE CONTRACTOR SHALL CREATE A HAUL ROAD FROM THE SELECTED STAGING AREA TO THE BANK STABILIZATION SITE. AS SHOWN ON SHEETS 4 AND 9. AFTER FINAL ACCEPTANCE BY THE ENGINEER AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL RESTORE THE HAUL ROAD TO IT'S EXISTING CONDITION. ALL EQUIPMENT, LABOR, TOOLS, AND AND INCIDENTALS NECESSARY TO CREATE THE HAUL ROAD AND RESTORE THE AREA TO IT'S EXISTING CONDITION SHALL BE PAID UNDER THIS ITEM.

#### TOE ROCK TRENCH-BEDROCK ALLOWANCE

THE CONTINGENCY ALLOWANCE IS INCLUDED FOR SUCH SITUATIONS WHEN BEDROCK IS ENCOUNTERED WITHIN 3' OF EXISTING GRADE WHEN EXCAVATING FOR THE TOE ROCK TRENCH. THE ENGINEER SHALL BE NOTIFIED OF THE LIMITS OF WHERE BEDROCK IS NOT ENCOUNTERED WITHIN 3' OF EXISTING GRADE. IF BEDROCK IS ENCOUNTERED WITHIN 3' FROM THE SURFACE. EXTEND TRENCH A MINIMUM OF 24" BELOW ROCK SURFACE.

THE CONTRACTOR'S BID AMOUNT FOR ALL OTHER BID ITEMS AND INCLUDED AS PART OF THE CONTRACTOR'S TOTAL AMOUNT OF BID. TOE ROCK TRENCH—BEDROCK NOT ENCOUNTERED ALLOWANCE SHALL ONLY BE USED AT THE DIRECTION AND APPROVAL OF

THE CONTINGENCY ALLOWANCE IS INCLUDED FOR SUCH SITUATIONS WHEN, IN THE PROSECUTION OF THE WORK OR AT THE DIRECTION OF THE ENGINEER. IT BECOMES NECESSARY TO MAKE ALTERATIONS OR MODIFICATIONS FOR THE WORK OR CONDITIONS UNFORESEEN IN WHICH THE BID ITEMS CAN NOT BE APPLIED OR APPROXIMATE BID

WHERE LOCATED ON THE BID FORM, THE CONTRACTOR SHALL PROVIDE A SUBTOTAL FOR THE PROJECT AND MULTIPLY THAT SUBTOTAL BY 10 PERCENT. THE SUBTOTAL PLUS THE CALCULATED 10 PERCENT AMOUNT IS CONSIDERED THE TOTAL BID AMOUNT. THE CONTINGENCY ALLOWANCE SHALL ONLY BE USED AT THE DIRECTION AND APPROVAL OF THE ENGINEER.

#### PAVEMENT RESTORATION ALLOWANCE

IN THE EVENT PAVEMENT IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE THE PAVEMENT TO ITS ORIGINAL CONDITIONS AT THE DIRECTION OF THE ENGINEER. ONCE RESTORED, THE CONTRACTOR SHALL GET APPROVAL FROM THE ENGINEER.

THE LUMP SUM PRICE STIPULATED ON THE BID FORM FOR THIS ITEM SHALL BE ADDED TO THE CONTRACTOR'S BID AMOUNT FOR ALL OTHER BID ITEMS AND INCLUDED AS PART OF THE CONTRACTOR'S TOTAL AMOUNT OF BID. PAVEMENT RESTORATION ALLOWANCE SHALL ONLY BE USED AT THE DIRECTION AND APPROVAL OF THE ENGINEER.

#### MAINTENANCE OF TRAFFIC

MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, AND THE FOLLOWING:

- THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE DISRUPTION TO THE TRAVELING PUBLIC AND PRIVATE ACCESS ROUTE DURING THE CONSTRUCTION OF THIS PROJECT. REASONABLE PEDESTRIAN ACCESS SHALL BE MAINTAINED.
- 2. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL FLAGS, FLAGGERS, WATCHERS, AND INCIDENTALS RELATED TO TRAFFIC CONTROL.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH OHIO CMS ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NEEDED SHALL BE PAID UNDER THIS ITEM.

**GPD GROUP** 

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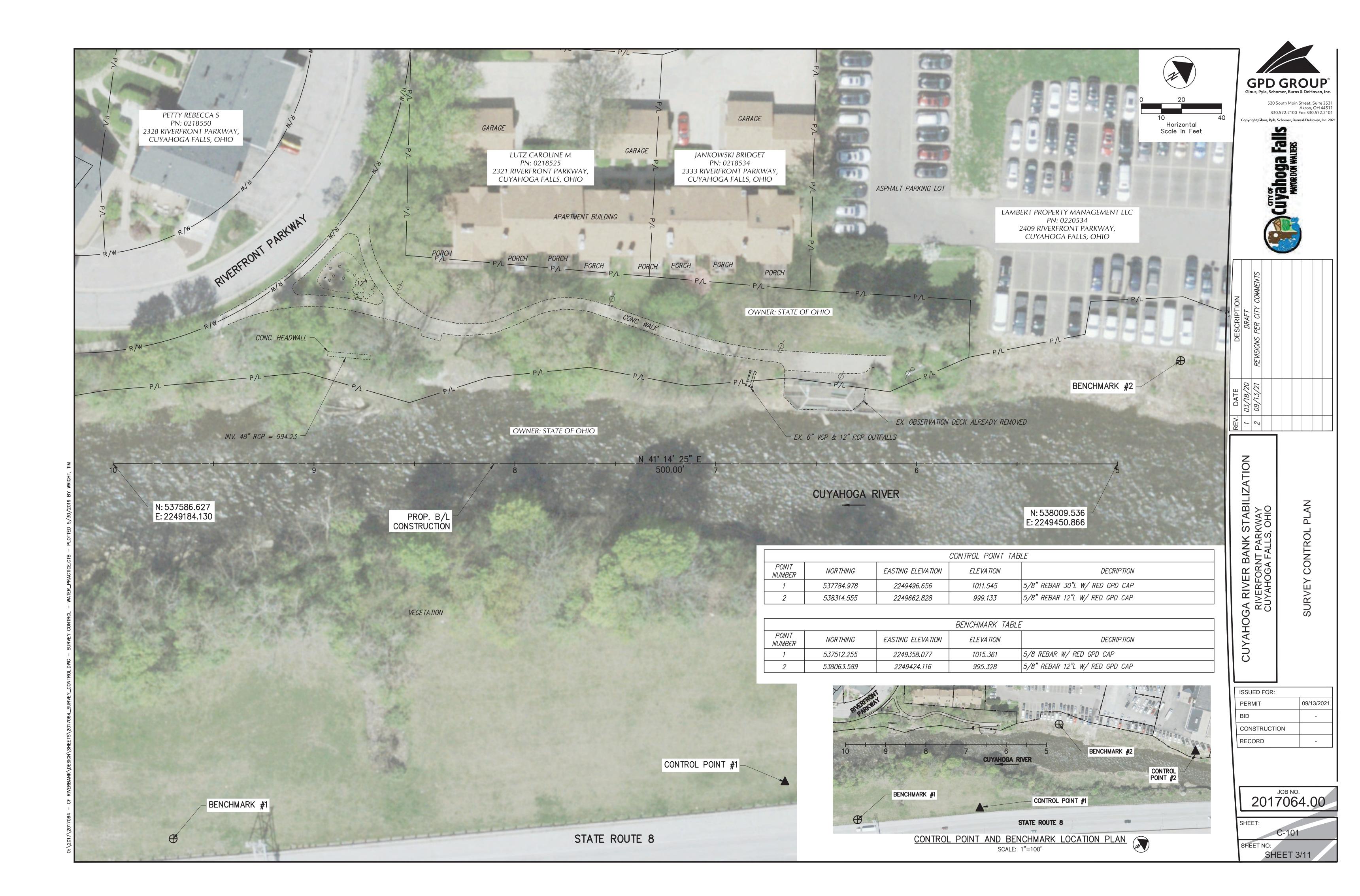
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ISSUED FOR: PERMIT 09/13/2021 CONSTRUCTION RECORD

2017064.00

SHEET: G-002

SHEET NO: SHEET 2/11







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Cuyahoga |

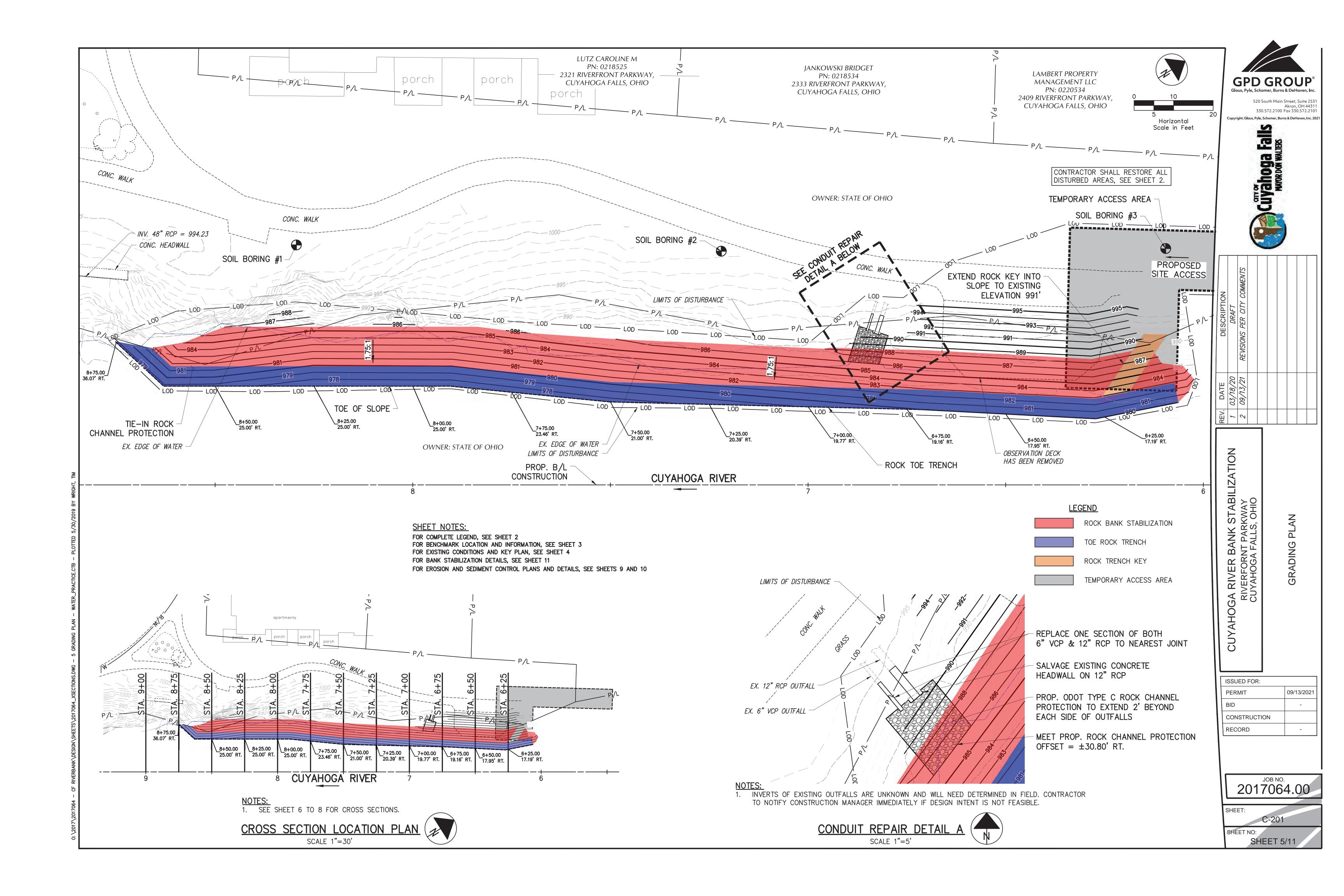
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REV.	1	2				

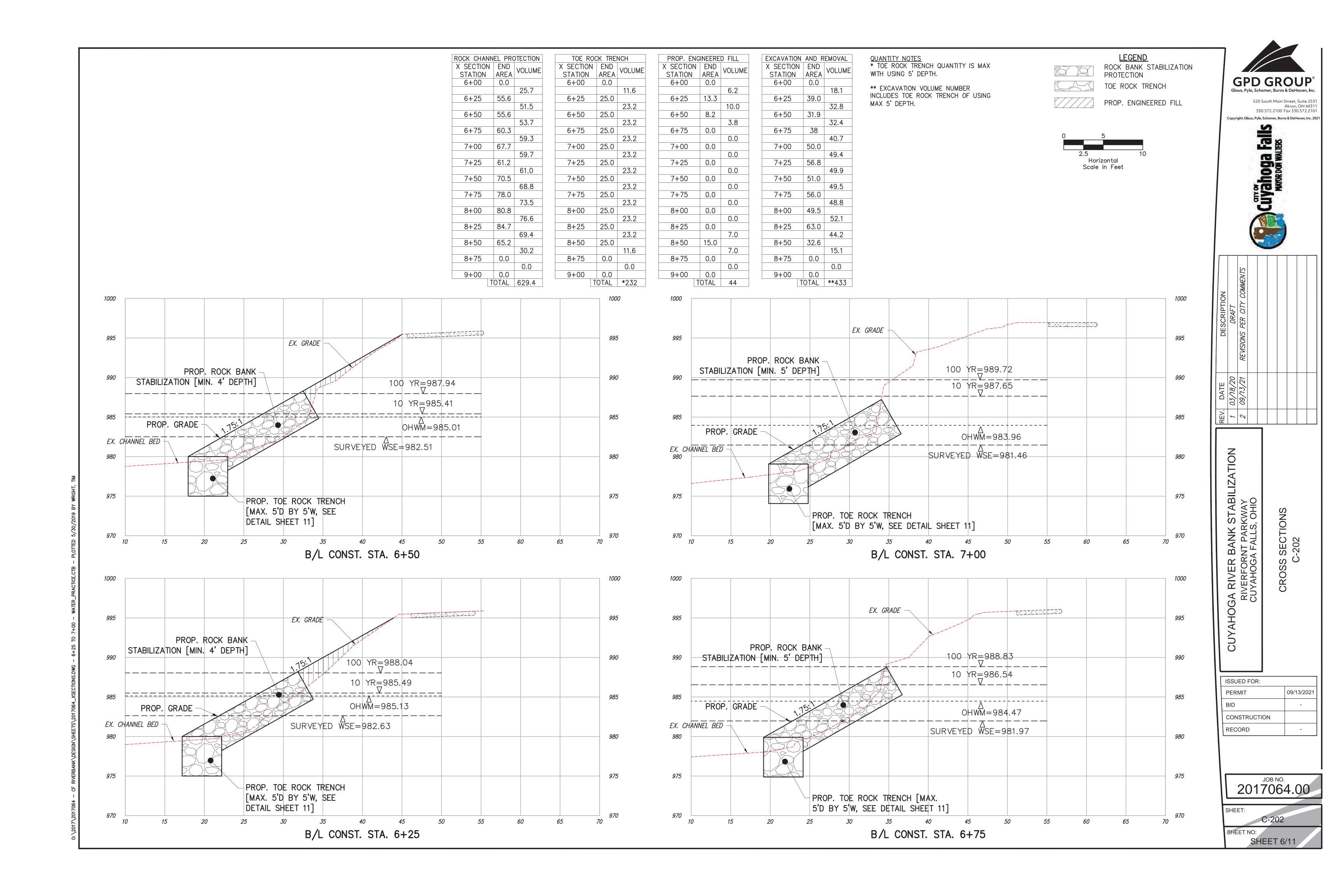
EXISTING CONDITIONS, SIT ACCESS, AND KEY PLAN

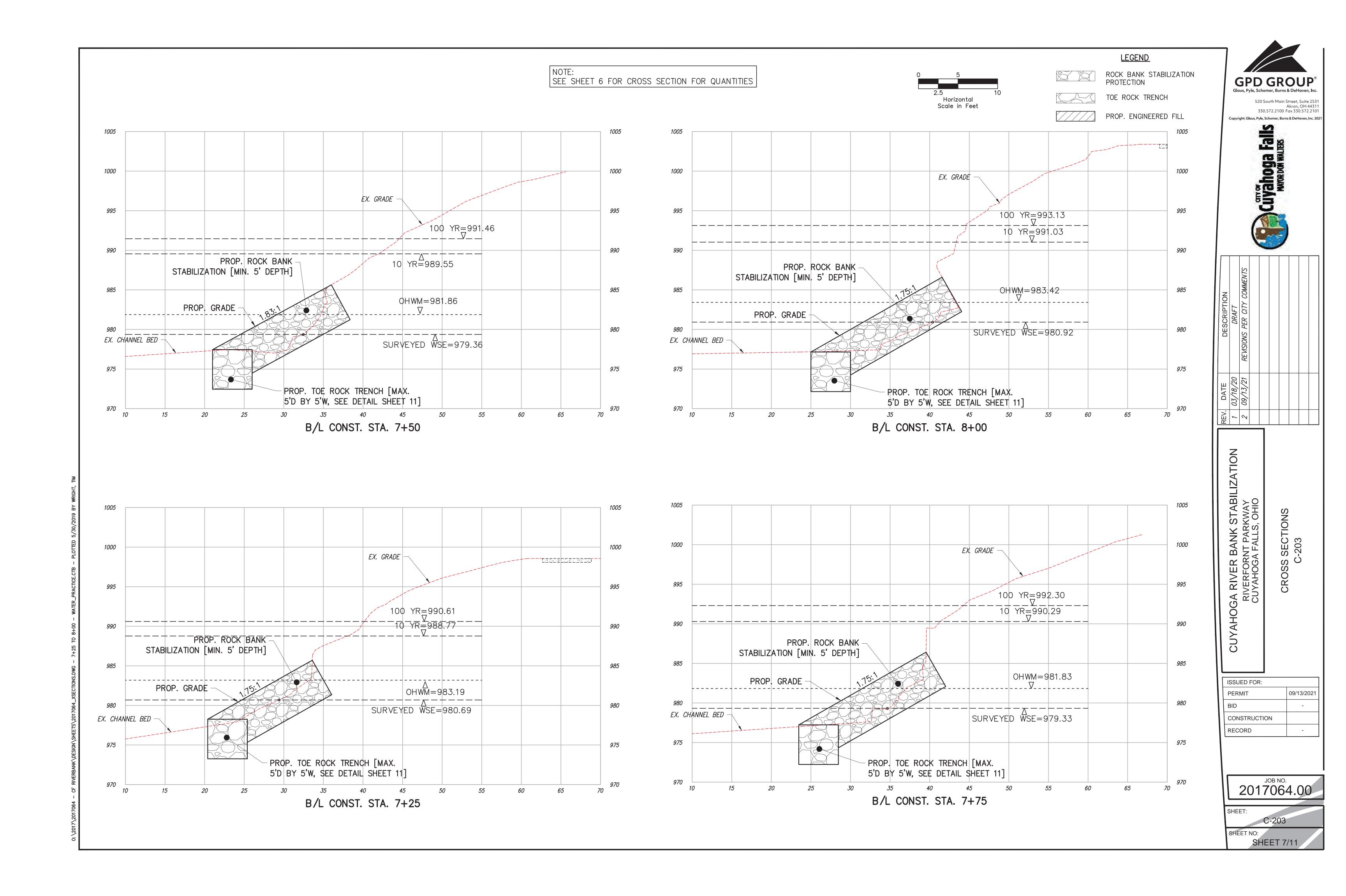
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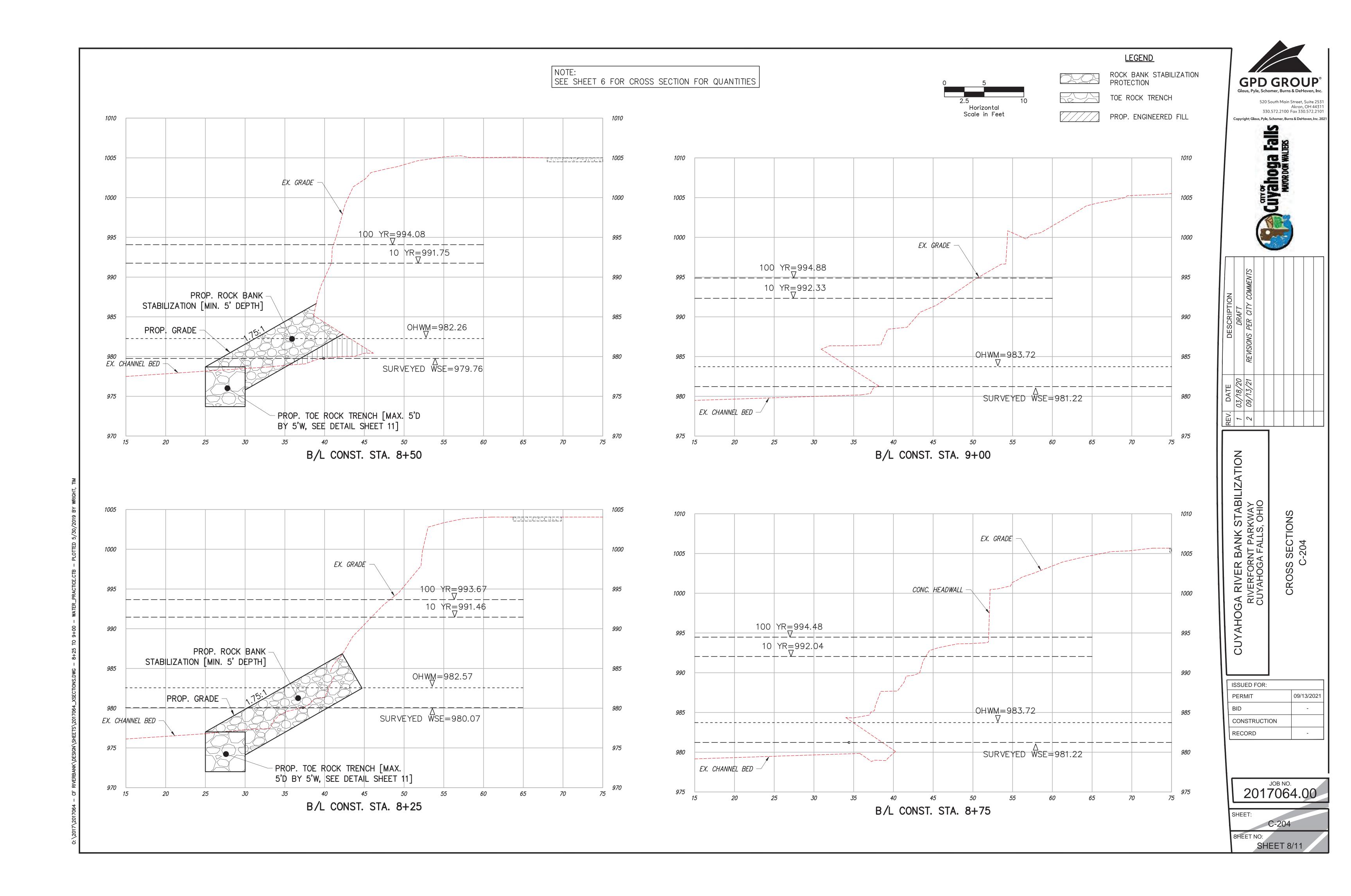
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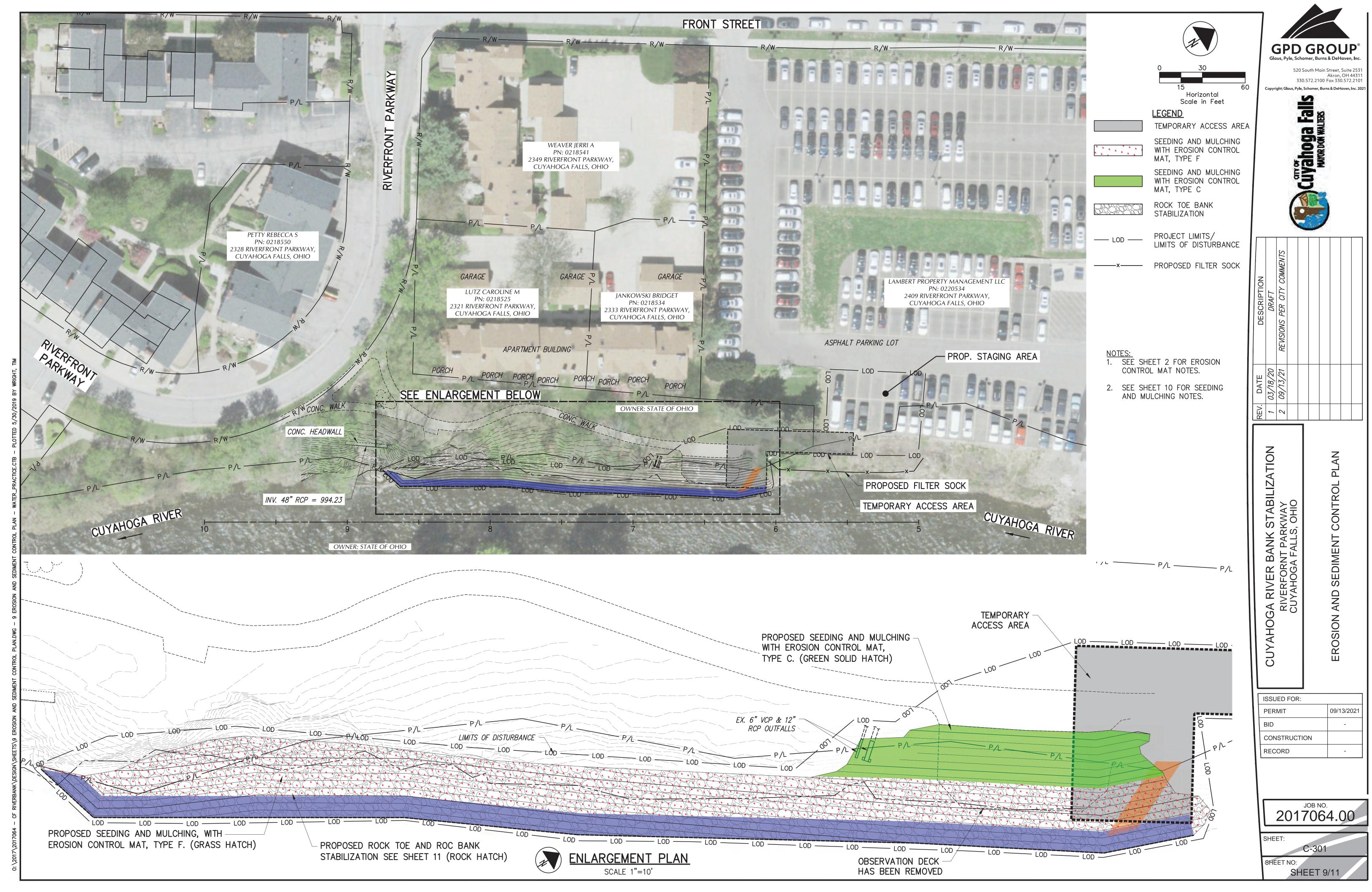
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#### GENERAL NOTES

- 1. ALL WORK SPECIFIED AS A DEPARTMENT OF TRANSPORTATION ITEM SHALL
  BE GOVERNED BY THE OHIO DEPARTMENT OF TRANSPORTATION
  CONSTRUCTION AND MATERIAL SPECIFICATIONS AS WELL AS THE CURRENT
  EDITION OF THE LOCAL JURISDICTION STORM WATER MANAGEMENT POLICY.
  IT IS THE CONTRACTOR'S RESPONSIBILITY TO POSSESS AND TO BE
  FAMILIAR WITH APPLICABLE SECTIONS.
- 2. THESE CONTRACT DRAWINGS SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN EROSION IS ENCOUNTERED, ADDITIONAL EROSION AND SEDIMENT CONTROL (E&SC) MEASURES SHALL BE IMPLEMENTED TO MANAGE THE CURRENT SITE CONDITIONS WHICH MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL AND WATER CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS AND CHANGE IN SITE CONDITIONS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- 3. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED AS PRACTICAL BEFORE ANY OTHER EARTH MOVING OCCURS.
- 4. SEDIMENT BARRIERS SHALL BE INSTALLED DOWNSLOPE OF DISTURBED AREAS. SEDIMENT BARRIERS SHALL BE INSTALLED ALONG LEVEL CONTOURS. MAXIMUM CONTRIBUTING DRAINAGE AREA TO SEDIMENT BARRIERS SHALL BE PER THE CURRENT STATE'S EPA OR THE LOCAL AUTHORITY REQUIREMENTS. COMPOSITE FILTER SOCKS USED IN LIEU OF SILT FENCE SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER.
- 5. SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS AND YARD DRAINS.
- 6. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS MAY BE SHOWN ON THESE PLANS AND/OR AS DIRECTED BY THE ENGINEER OR THE LOCAL AUTHORITY HAVING JURISDICTION.
- 7. SILT BARRIERS AND SILT PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
- 8. IF FOR ANY REASON, THE PROJECT IS SUSPENDED, THE CONTRACTOR
  SHALL INSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING
  AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL BARE
  SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED MIXTURE.
- 9. IMPLEMENTATION OF EROSION AND SEDIMENT CONTROLS SHALL CONFORM TO THE CITY OF CUYAHOGA FALLS CODIFIED ORDINANCES.

#### INSPECTION NOTES

- . CONTRACTOR SHALL INSPECT ALL E&SC MEASURES DAILY AND AFTER EVERY 1/2" RAIN EVENT. REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL E&SC MEASURES.
- 2. CONTRACTORS INSPECTOR SHALL BE A QUALIFIED INDIVIDUAL. ONLY A QUALIFIED INSPECTION PERSONNEL IS TO PERFORM THE INSPECTIONS. SITE INSPECTIONS SHALL BE DONE WEEKLY AND WITHIN 24 HRS AFTER EVERY RAINFALL EVENT EXCEEDING 1/2" OF RAINFALL. ALL NECESSARY REPAIRS SHOULD BE IMPLEMENTED IMMEDIATELY AFTER SUCH INSPECTIONS.
- 3. FOR BMPS THAT REQUIRE REPAIR OR MAINTENANCE BMPS ARE TO BE REPAIRED WITHIN 3 DAYS OF INSPECTION.
- 4. FOR BMPS THAT DO NOT MEET THE INTENDED FUNCTION, A NEW BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
- 5. FOR MISSING BMPS REQUIRED, THE MISSING BMPS SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

#### TEMPORARY SEEDING

- 1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
- 2. TEMPORARY SEEDING / STABILIZATION SHALL BE APPLIED WITHIN THE FOLLOWING TIME FRAMES FOR VARIOUS AREAS OF THE SITE:
- 2.1. ANY DISTURBED AREA WITHIN 50 FEET OF A WATERCOURSE AND NOT AT FINAL GRADE SHALL BE SEEDED AND MULCHED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE, IF THAT AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS.
- 2.2. ALL CONSTRUCTION ACTIVITIES IN ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL BE IDLE FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A WATERCOURSE SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE IN THE AREA.
- 2.3. DISTURBED AREAS THAT WILL BE IDLE OVER THE WINTER SHALL BE SEEDED AND MULCHED PRIOR TO NOVEMBER 1.
- 3. THE SEED BED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEED BED PREPARATION IS NOT POSSIBLE.
- 4. TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
- 5. ALL SEED MIXES AND SEEDING RATES USED SHALL BE APPROVED BY THE LOCAL GOVERNING AUTHORITY AND THE OWNER.
- 6. SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER, SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON—SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.
- 7. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION. IF MULCH IS USED, FOLLOW THE REQUIREMENTS AND INSTRUCTIONS IN THE MULCH APPLICATION.

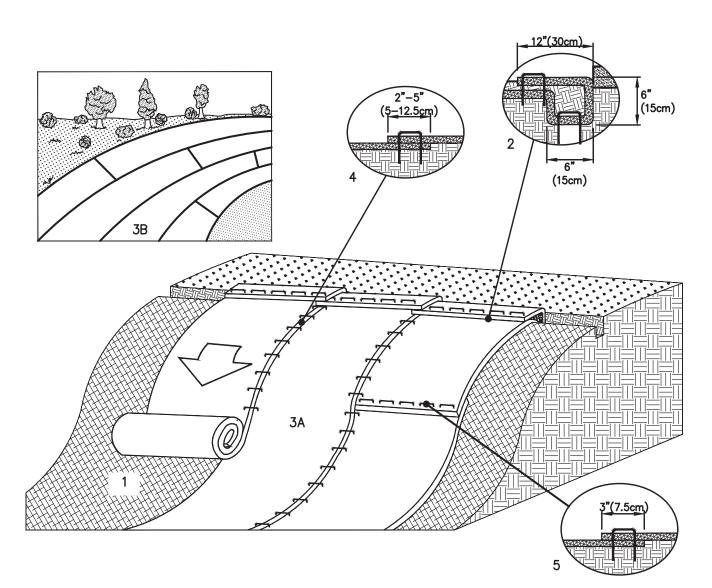
TEMPORARY SEEDING						
SEEDING DATES	SPECIES	SEEDING RATE				
GEESING SATES	GI EGIEG	LB./AC.				
MARCH 1 TO AUGUST 15	ANNUAL RYEGRASS	30 - 50				
AUGUST 16 TO OCTOBER 31	TO OCTOBER 31 OATS 3					
NOVEMBER 1 TO FEBRUARY 29 USE MULCH ONLY OR DORMANT SEEDING						

#### PERMANENT SEEDING

- 1. PERMANENT SEEDING SHALL CONFORM TO ODOT CMS ITEM 659.
- 2. PERMANENT SEED MIX SHALL CONFORM TO ODOT CLASS 3B.

#### **MULCH**

- 1. MULCH AND OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.
- 2. MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
- 2.1. STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2
  TONS/AC. OR 90 LB./1,000 SQ. FT. (TWO TO THREE BALES) THE STRAW MULCH
  SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE
  IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND—SPREAD MULCH, DIVIDE AREA
  INTO APPROXIMATELY 1,000 SQ. FT. SECTIONS AND PLACE TWO 45—LB BALES OF
  STRAW IN EACH SECTION.
- 2.2. WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB.AC, OR 46 LB/1,000 SQ.
- 2.3. ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10-20 TONS/AC.
- 3. MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH.
- 3.1. USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.
- 3.2. USE MULCH NETTINGS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
- 3.3. FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
- 3.4. WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB/AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/100 GAL. OF WOOD CELLULOSE FIBER.



- 1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPS), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- 2.BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPS IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECPS EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPS WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL AND FOLD THE REMAINING 12" PORTION OF RECPS BACK OVER THE SEED AND COMPACTED SOIL. SECURE RECPS OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECPS.
- 3.ROLL THE RECPS (B) HORIZONTALLY ACROSS THE SLOPE. RECPS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
- 4. THE EDGES OF PARALLEL RECPS MUST BE STAPLED WITH APPROXIMATELY 2" 5" OVERLAP DEPENDING ON THE RECPS TYPE.
- 5.CONSECUTIVE RECPS SPLICED DOWN THE SLOPE MUST BE END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECPS WIDTH.
- NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S

EROSION CONTROL FABRIC DETAIL

SCALE: NTS

[DETAIL PER NORTH AMERICAN GREEN — EROSION CONTROL PRODUCTS]

COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (MFPP)		
MATERIAL CHARACTERISTICS	PHOTO- DEGRADABLE	PHOTO- DEGRADABLE	BIO- DEGRADABLE	PHOTO- DEGRADABLE	PHOTO- DEGRADABLE		
SOCK DIAMETERS	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"		
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"		
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI		
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.		
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS		
		TWO-PLY	SYSTEMS				
		HDPE BIAXIAL NET					
INNER CONTA	INMENT [	CONTINUOUSLY WOUND					

MECHANICALLY FUSED VIA NEEDLE PUNCH)

3/16" MAX. APERTURE SIZE

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS

FUSION-WELDED JUNCTURES 3/4" X 3/4" MAX. APERTURE SIZ

COMPOSITE POLYPROPYLENE FABRIC

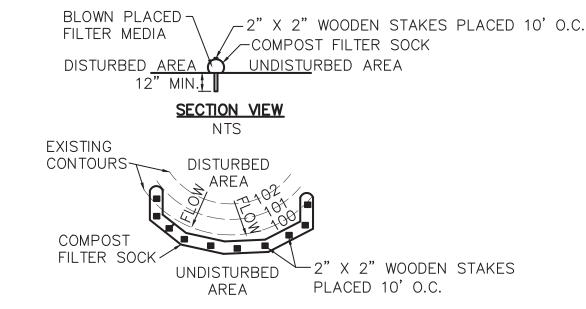
(WOVEN LAYER & NON-WOVEN FLEECE

COMPOST SHALL MEET THE FOLLOWING STANDARDS:

NETTING

OUTER FILTRATION

ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
рН	5.5 - 8.0
MOISTURE CONTENT	35% - 55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 dS MAXIMUM



#### PLAN VIEW

ADAPTED FROM FILTREXX

- 1. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT.
- 2. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
- 3. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES ½ THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
- 4. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH ½ INCH STORM RUNOFF EVENT.
  DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS
  OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- 5. BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- S. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

COMPOST FILTER SOCK
SCALE: NTS

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DESCRIPTION	DRAFT	REVISIONS PER CITY COMMENTS				
DATE	03/18/20	09/13/21				
REV.	1	2				

EROSION AND SEDIMENT
CONTROL NOTES & DETAILS

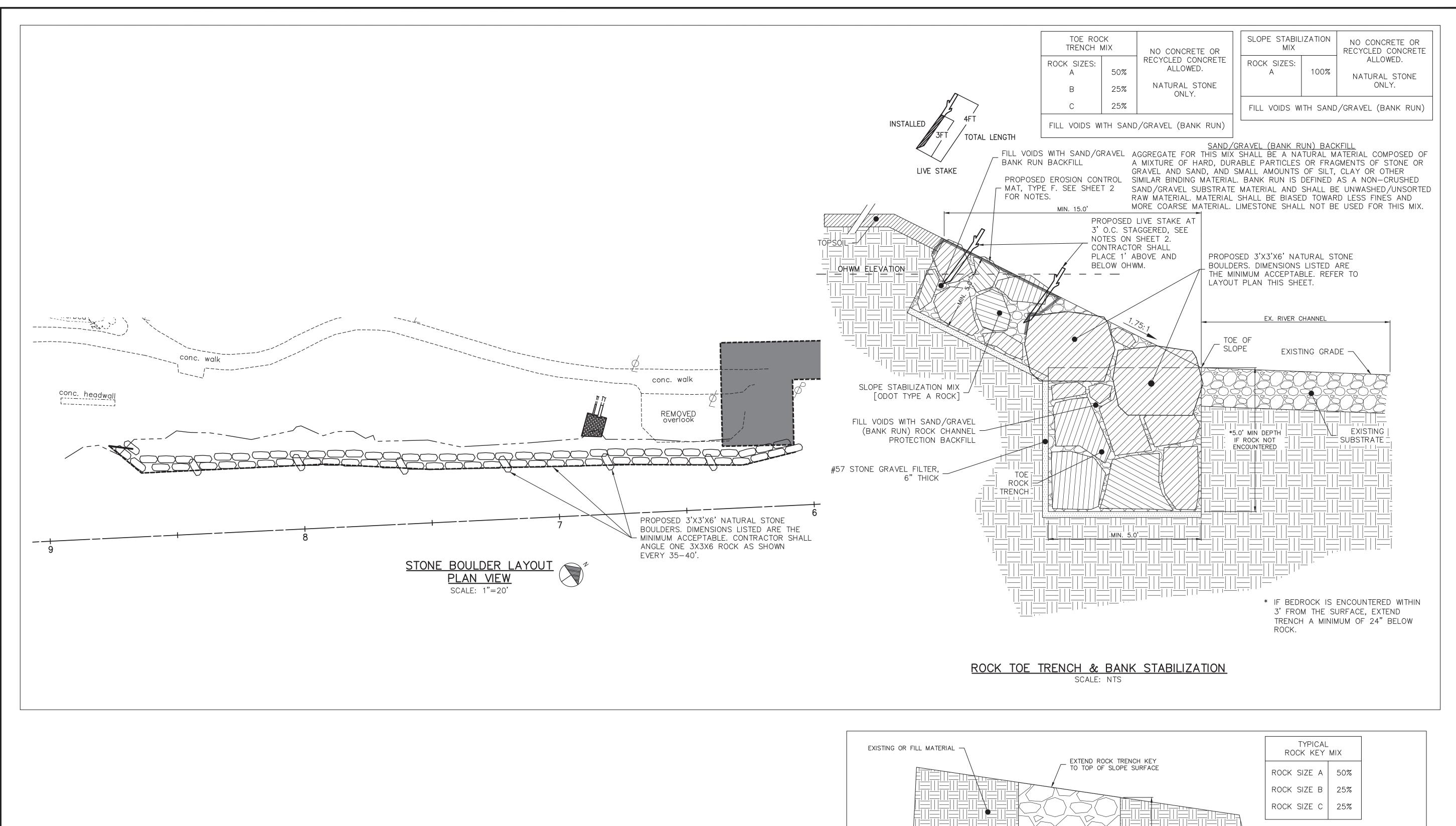
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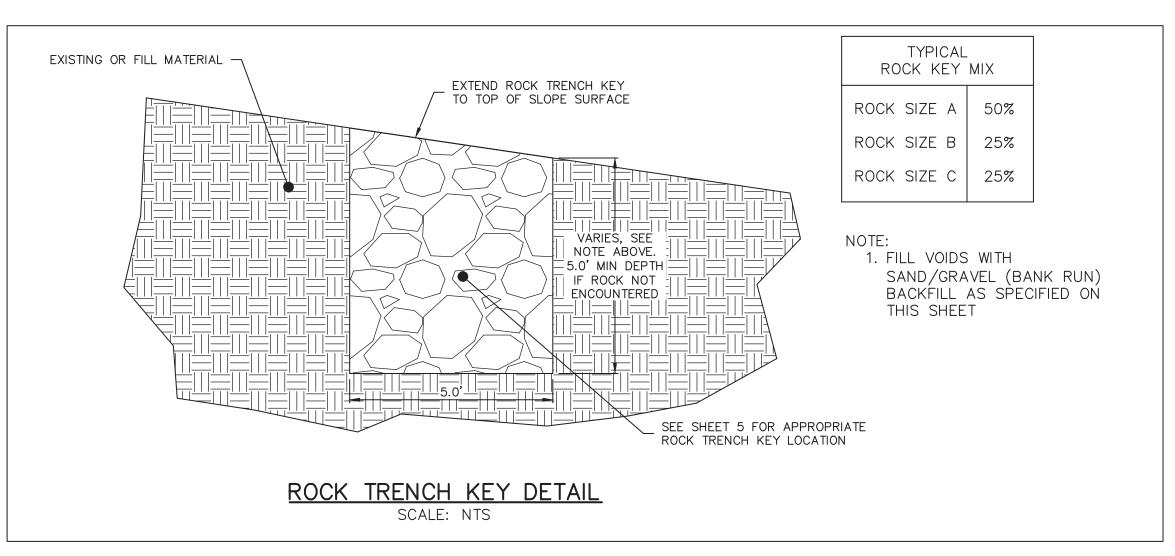
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DESCRIPTION	DRAFT	REVISIONS PER CITY COMMENTS				
DATE	1 03/18/20	09/13/21				
REV.	1	2				

CUYAHOGA RIVER BANK STABILIZATION
RIVERFORNT PARKWAY
CUYAHOGA FALLS, OHIO

DETAIL

STABILIZATION

ISSUED FOR:
PERMIT 09/13/2021
BID CONSTRUCTION
RECORD -

2017064.00

SHEET:

SHEET NO: SHEET 11/11