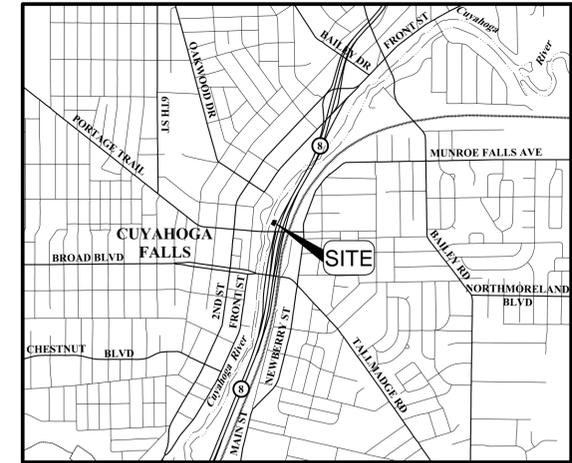
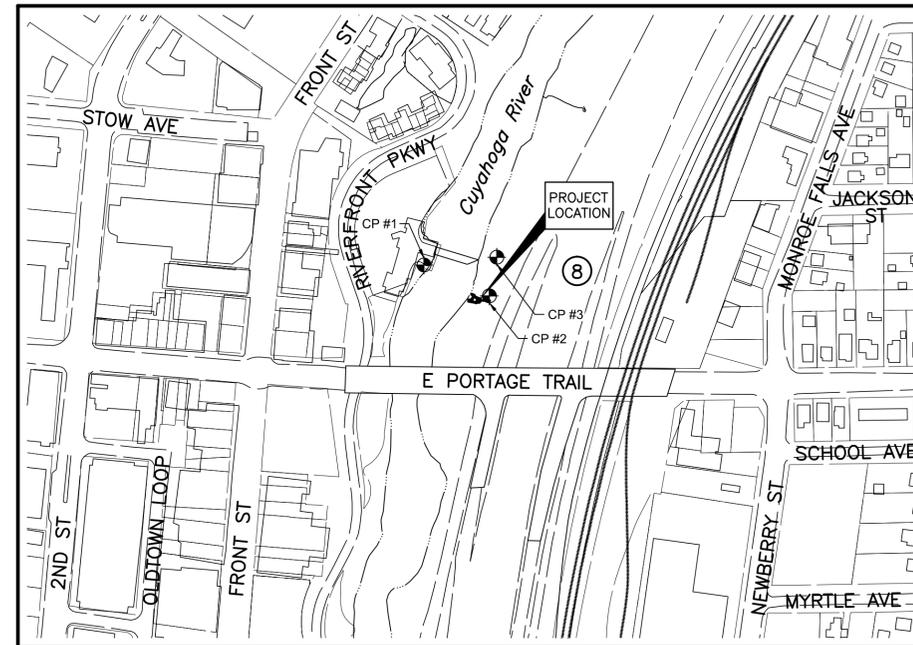


CITY OF CUYAHOGA FALLS, SUMMIT COUNTY, OHIO STORM SEWER OUTFALL IMPROVEMENTS FOR **BROAD BLVD EXIT RAMP** 2016



LOCATION MAP
Not to Scale



INDEX MAP
Scale: 1" = 200'

SHEET INDEX

Title Sheet	01
General Notes & Specifications	02
Site Plan	03

CONTROL POINTS
(NAVD 1988)

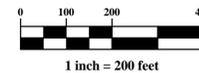
Control Point #1	Mag Spike.	N: 537287.46, E: 2249033.82, Elev. = 982.15
Control Point #2	Mag Spike.	N: 537220.02, E: 2249176.73, Elev. = 1008.59
Control Point #3	Mag Spike.	N: 537304.57, E: 2249193.10, Elev. = 1008.29

ODOT STANDARD DRAWINGS

The Standard Construction Drawings listed on these plans are to be considered a part thereof.

DM - 4.2 DM - 4.3 DM - 4.4 MH - 1.2

GRAPHIC SCALE



DEVELOPER/OWNER

Tony Demasi, PE
2310 2nd Street
Cuyahoga Falls, Ohio 44221
Tel: (330)-971-8180

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.....
**NOT TO BE USED FOR
CONSTRUCTION**

PLAN SET DATE
August 2016

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SERVICE**
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PREPARED BY:

EMHT

Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5300 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

Registered Engineer No. 71554

Date

MUNICIPALITY APPROVAL

The signatures below signify only concurrence with the purpose and general location of the project. All technical details remain the responsibility of the Engineer preparing the plans.

Eric Czetti, Service Director

Date

MARK	DATE	DESCRIPTION

CITY OF CUYAHOGA FALLS

CITY OF CUYAHOGA FALLS, SUMMIT COUNTY, OHIO
STORM SEWER OUTFALL IMPROVEMENTS
FOR
BROAD BLVD EXIT RAMP
TITLE SHEET

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Engineers • Surveyors • Planners • Scientists
5300 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

DATE
August 2016

SCALE
As Noted

JOB NO.
2016-0302

SHEET
01/03

I:\2016\0302\Draw\04Sheets\Storm Sewer Plan\01 Title Sheet.dwg - Last Saved: 8/5/2016 2:48:24 PM - Printed: 8/5/2016 4:37:37 PM (No Xrefs)

GENERAL NOTES
 THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), CURRENT EDITION, INCLUDING ALL SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS ON THESE PLANS UNLESS OTHERWISE NOTED. IF CONFLICT BETWEEN SPECIFICATIONS IS FOUND, THE MORE STRICT SPECIFICATION WILL APPLY.

OWNER INFORMATION
 THIS PROJECT IS OWNED BY THE CITY OF CUYAHOGA FALLS.

PROJECT PURPOSE
 THE PURPOSE OF THIS PROJECT IS TO STABILIZE AN EXISTING STORM SEWER OUTFALL LOCATED ALONG THE CUYAHOGA RIVER. THE EMBANKMENT BELOW THE OUTFALL HAS ERODED, CAUSING DAMAGE TO EARTHEN SLOPES, VEGETATION, AND CONCRETE RETAINING WALLS ADJACENT TO THE OUTFALL LOCATION.

UTILITY PROTECTION
 THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 72-HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48-HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.

THE CONTRACTOR IS RESPONSIBLE TO IDENTIFY AND COORDINATE FIELD STAKEOUT OF ALL LOCATIONS OF POSSIBLE GRADE CONFLICTS WITH EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE COST OF THIS WORK IS INCLUDED IN THE PRICE BID FOR THE PROJECT IMPROVEMENTS.

THE IDENTITY AND LOCATION OF THE EXISTING UNDERGROUND UTILITY FACILITIES KNOWN TO BE LOCATED IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE PLANS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY. THE ENGINEER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THE LOCATIONS OR THE DEPTHS OF THE UNDERGROUND FACILITIES SHOWN ON THE PLANS.

PLAN MODIFICATION
 ANY MODIFICATION TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE OWNER.

EROSION AND SEDIMENT CONTROL
 THE CONTRACTOR SHALL PERFORM HIS OPERATIONS IN A MANNER TO MINIMIZE EROSION AND CONTAIN ANY SEDIMENT AT THE PROJECT SITE. ALTHOUGH SPECIFIC EROSION AND SEDIMENT CONTROL MEASURES ARE NOT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMPLEMENT SUCH MEASURES AS REQUIRED AT THE PROJECT SITE. THE COST OF THIS WORK IS INCLUDED IN THE PRICE BID FOR THE PROJECT IMPROVEMENTS.

SURVEYOR'S EQUIPMENT
 THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYOR'S LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS AT ALL TIMES. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR USE AND ASSIST THE ENGINEER IN PERFORMING GRADE CHECKS WHEN REQUESTED. GRADE CHECKS PERFORMED BY THE ENGINEER IN NO WAY RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO ENSURE CONSTRUCTION TO THE PLAN GRADE.

FLOODPLAIN
 THE SITE IS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM) FOR SUMMIT COUNTY, OHIO AND INCORPORATED AREAS, PANEL NO. 39153C0138F (EFFECTIVE DATE: APRIL 19, 2016). THE FIRM PANEL INDICATES A ZONE A APPROXIMATE 100-YEAR FLOODPLAIN AT THE PROJECT SITE. NO PUBLISHED FLOODWAY LIMITS EXIST WITHIN THE PROJECT AREA.

WORKING HOURS
 THE CONTRACTOR SHALL COMPLY WITH THE WORK HOURS BEING THE PERIOD ONE-HALF HOUR BEFORE SUNRISE AND ONE-HALF HOUR AFTER SUNSET AS SUNRISE AND SUNSET ARE DETERMINED BY THE U.S. NATIONAL WEATHER SERVICE.

PRE-CONSTRUCTION MEETING
 A PRE-CONSTRUCTION MEETING INVOLVING A REPRESENTATIVE OF THE OWNER, ENGINEER, PRINCIPAL CONTRACTOR, AND ALL APPLICABLE SUBCONTRACTORS WILL BE HELD PRIOR TO THE START OF CONSTRUCTION. DURING THE MEETING, THE CONTRACTOR SHALL SUBMIT HIS PROPOSED SCHEDULE FOR COMPLETING THE WORK.

TREE PROTECTION DURING CONSTRUCTION
 ALL TREES NOT MARKED TO BE REMOVED SHALL BE PROTECTED

AGAINST INJURY OR DAMAGE TO BRANCHES, TRUNKS, OR ROOTS FROM CONSTRUCTION AND EXCAVATION. INTERFERING BRANCHES OF TREES MAY BE REMOVED WHEN ACCEPTABLE TO THE OWNER. ANY TREES DAMAGED OR DESTROYED BY THE CONTRACTOR'S NEGLIGENCE WILL BE TREATED, REMOVED, OR REPLACED (AS DECIDED BY THE OWNER) AT THE CONTRACTOR'S EXPENSE.

STREAM PROTECTION DURING CONSTRUCTION
 THE CONTRACTOR IS ADVISED THAT THE PROJECT SITE CONTAINS WATERS OF THE UNITED STATES (CUYAHOGA RIVER). THE CONTRACTOR SHALL NOT ENTER THE CUYAHOGA RIVER DURING THE COURSE OF THE WORK. ANY DAMAGE OR DISRUPTION TO THE EXISTING WATERWAYS, INCLUDING ANY ASSOCIATED VIOLATIONS OR PENALTIES LEVIED BY FEDERAL AND STATE REGULATORY AGENCIES FOR SUCH DAMAGE OR DISRUPTION, SHALL BE REMEDIED BY THE CONTRACTOR TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.

SITE VISIT
 THE CONTRACTOR SHALL PERFORM FIELD RECONNAISSANCE TO BECOME ACQUAINTED WITH THE EXISTING SITE CONDITIONS AND THE POTENTIAL EFFECTS UPON THE WORK SCOPE. ANY PERFORMANCE OF SITE SUBSURFACE INVESTIGATIONS (TEST HOLES) SHALL BE COORDINATED IN ADVANCE WITH THE OWNER. EXCAVATED MATERIAL SHALL BE REPLACED IN A CONTROLLED MANNER TO MINIMIZE IMPACT ON FIELD EARTHWORK OPERATIONS.

SAFETY REQUIREMENTS
 THE CONTRACTOR AND SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

RIGHTS-OF-WAY
 THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF ALL RIGHTS-OF-WAY INCLUDING EASEMENTS, COURT ENTRIES, RIGHTS-OF-ENTRY OR ACTION FILED IN COURT IN ACCORDANCE WITH THE CODE OF THE APPLICABLE GOVERNING AGENCY. THE COST OF OPERATIONS NECESSARY TO FULFILL SUCH REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT IMPROVEMENT.

ACCESS AND TRAFFIC CONTROL
 ACCESS TO THE SITE SHALL BE ACCOMPLISHED FROM THE STATE ROUTE 8 SOUTHBOUND EXIT RAMP TO BROAD BOULEVARD. THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING GUARDRAIL TO PERMIT VEHICULAR ACCESS TO THE WORK AREA. THE AMOUNT OF GUARDRAIL REMOVED AND REPLACED SHALL BE LIMITED TO THE MINIMUM AMOUNT REQUIRED TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PROVIDE A TEMPORARY FLAGGER TO PROVIDE TRAFFIC CONTROL DURING INGRESS AND EGRESS ALONG THE STATE ROUTE 8 EXIT RAMP. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE OHIO DEPARTMENT OF TRANSPORTATION. THE COST OF THIS WORK IS INCLUDED IN THE PRICE BID FOR THE PROJECT IMPROVEMENTS.

CONSTRUCTION LAYOUT
 GENERAL FIELD LAYOUT CONTROL SHALL BE PROVIDED BY THE CONTRACTOR. PROVISIONS FOR ALL OTHER CONSTRUCTION STAKING REQUIRED TO ACCOMPLISH THE IMPROVEMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALL STAKING SHALL BE COMPLETED BY A PROFESSIONAL SURVEYOR REGISTERED WITH THE STATE OF OHIO.

NON-RUBBER TIRED VEHICLES
 NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON PUBLIC STREETS, EXISTING PRIVATE ROADWAYS, OR EXISTING BIKE PATHS.

SANITARY FACILITIES
 THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKMEN AND INSPECTORS FOR THE DURATION OF THE WORK IN ACCORDANCE WITH CMS 107.06. COST SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT IMPROVEMENT.

DUST CONTROL
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL MEASURES IN ACCORDANCE WITH CMS ITEM 616. DUST CONTROL OPERATIONS SHALL BE PERFORMED ON A PERIODIC BASIS AND/OR AS DIRECTED BY THE ENGINEER TO PREVENT THE DUST NUISANCE ORIGINATING WITHIN THE PROJECT WORK LIMITS. CALCIUM CHLORIDE ON AREAS TO BE SEEDED AND MULCHED WILL NOT BE PERMITTED. THE COST OF ALL DUST CONTROL MEASURES SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT IMPROVEMENTS.

EARTHWORK
 ALL EXCESS SPOIL MATERIAL GENERATED FROM THE PROJECT SHALL BE LEGALLY DISPOSED BY THE CONTRACTOR AT AN OFFSITE LOCATION. IN ADDITION, ALL TREES, STUMPS, TRASH, AND OTHER UNACCEPTABLE MATERIALS, AS DETERMINED BY THE OWNER OR ENGINEER, SHALL BE ALSO LEGALLY DISPOSED BY THE CONTRACTOR AT AN OFFSITE LOCATION.

MAINTAIN DRAINAGE
 UNLESS OTHERWISE DIRECTED BY THE PLAN, THE FLOW IN ALL SEWERS, DRAINS, FIELD TILES, AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS EXPENSE, AND WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE PERFORMANCE OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN COST AND EXPENSE TO A CONDITION SATISFACTORY TO THE ENGINEER.

STORAGE OF MATERIALS
 NO MATERIALS MAY BE STORED ALONG THE EXIT RAMP FOR STATE ROUTE 8.

MANHOLES
 STORM SEWER MANHOLES USED ON THIS PROJECT SHALL COMPLY WITH THE OHIO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DRAWING FOR MANHOLE, NO. 3.

MAINTENANCE OF CONSTRUCTION EQUIPMENT
 ALL CONSTRUCTION EQUIPMENT SHALL BE INSPECTED DAILY FOR HYDRAULIC AND FUEL LEAKS. ALL FUEL OPERATIONS, LUBRICATING, HYDRAULIC TOPPING OFF AND EQUIPMENT REPAIRS AND MAINTENANCE SHALL BE PERFORMED AT UPLAND LOCATIONS AWAY FROM THE TOP OF SLOPE. THESE ACTIVITIES MUST TAKE PLACE ON AN APPROVED PAD WITH SPILL CONTROL/COLLECTION DEVICES IN PLACE. NO STORAGE OF FUELS OR LUBRICANTS WILL BE ALLOWED ON SITE. ALL EQUIPMENT AND MATERIALS NOT IN USE MUST BE SECURELY LOCKED TO AVOID VANDALISM AND ACCIDENTAL SPILLS. EMERGENCY RESPONSE LIQUID CONTAINMENT DEVICES SUCH AS ABSORBENT SOCKS AND PADS SHALL BE READILY AVAILABLE ON SITE. FUEL TANK PURGING OR DRAINING OF WATER FROM FUEL BOWLS IS PROHIBITED ON SITE.

SITE RESTORATION AND CLEAN UP
 INCONVENIENCE TO THE ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC SHALL BE KEPT TO AN ABSOLUTE MINIMUM. ALL WORK IS TO CONTINUE ON A UNIFORM BASIS AND ON SCHEDULE, PARTICULARLY THE RESTORATION AND CLEAN-UP OF DISTURBED AREAS AFTER CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN THE STATE ROUTE 8 EXIT RAMP AS NEEDED TO REMOVE MUD AND DEBRIS AND MEET THE REQUIREMENTS OF CMS 105.14.

TEMPORARY AND/OR PERMANENT SEEDING WITHIN THE DESIGNATED LIMITS OF DISTURBANCE SHALL BE COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE PLANS FOR DIFFERENT AREAS OF THE PROJECT. ALL AREAS DISTURBED OUTSIDE THE SITE LIMITS OF DISTURBANCE, INCLUDING ANY STOCKPILE AREAS, STAGING AREAS, OR HAUL ROADS SHALL BE RESTORED TO THEIR PRE-DISTURBED CONDITION AND STABILIZED WITH SEEDING AND MULCHING PER CMS ITEM 659.

COMPLETE PROJECT
 THE CONTRACTOR SHALL SUBMIT HIS BID TO PERFORM THE COMPLETE PROJECT AS SHOWN ON THE PLANS. ANY WORK ITEMS THAT DO NOT DIRECTLY CORRESPOND TO A LINE ITEM ON THE BID FORM SHALL BE CONSIDERED INCLUDED IN THE OVERALL PROJECT AND THE CONTRACTOR SHALL DISTRIBUTE COSTS FOR SUCH WORK ITEMS ACCORDINGLY.

SUPPLEMENTAL SPECIFICATIONS

ITEM 202, PORTIONS OF STRUCTURE REMOVED, AS PER PLAN THE REQUIREMENTS OF CMS ITEM 202 SHALL APPLY FOR THIS WORK. THE ITEM SHALL BE USED FOR THE REMOVAL OF THE EXISTING EXPOSED CONCRETE RETAINING WALLS AT THE SITE THAT HAVE FAILED, AS INDICATED ON THE PLANS.

ITEM 601, ROCK CHANNEL PROTECTION, TYPE C, WITH FILTER FABRIC, AS PER PLAN THE REQUIREMENTS OF CMS ITEM 601 SHALL APPLY FOR THIS WORK, AS MODIFIED HEREIN. THE ROCK MATERIAL SHALL BE SANDSTONE OF SIMILAR HUE TO THE MATERIALS PROPOSED FOR ITEM 610, RETAINING WALL, MISC.: NATURAL STONE BLOCK WALL.

ITEM 610, RETAINING WALL, MISC.: NATURAL STONE BLOCK WALL A NATURAL STACKED STONE PRODUCT, SUCH AS OUTCROPPING STONE, SHALL BE INSTALLED ON THE ROCK LEDGES AT THE APPROXIMATE LOCATIONS AND ELEVATIONS SHOWN ON THE PLANS TO DIRECT STORM WATER DISCHARGE FROM THE SEWER TO THE TOE OF THE EMBANKMENT. DUE TO THE IRREGULAR TOPOGRAPHY AT THESE ROCK LEDGES, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND ENGINEER TO

VERIFY THE FINAL LOCATIONS AND LIMITS OF THE STONE INSTALLATION.

THE NATURAL STONE PIECES GENERALLY HAVE AN ANGULAR SHAPE, BUT ARE RELATIVELY FLAT FOR PURPOSES OF STACKING. THE STONE SHAPES AND SIZES ARE EXTREMELY VARIABLE. THE CONTRACTOR SHALL USE HIS DISCRETION TO DETERMINE THE STACKING PATTERNS OF THE STONE. THE LENGTHS OF THE STONES RANGE FROM ROUGHLY 4'-0" MINIMUM TO 6'-0" MAXIMUM. THE WIDTHS OF THE STONES RANGE FROM ROUGHLY 2'-0" MINIMUM TO 4'-0" MAXIMUM. THE THICKNESS OF THE STONES RANGE FROM ROUGHLY 6" MINIMUM TO 1'-0" MAXIMUM.

THE ENGINEER COORDINATED WITH CLEVELAND QUARRIES TO EVALUATE THE SUITABILITY OF THE OUTCROPPING STONE FOR THIS PROJECT. THIS STATEMENT SHOULD NOT BE CONSTRUED AS A REQUIREMENT FOR THE CONTRACTOR TO OBTAIN THE OUTCROPPING STONE FROM THIS VENDOR. SIMILAR MATERIALS FROM OTHER LOCAL QUARRIES WILL BE CONSIDERED ACCEPTABLE.

ITEM 611, 18" CONDUIT, TYPE B, AS PER PLAN THE REQUIREMENTS OF CMS ITEM 611 SHALL APPLY FOR THIS WORK AS MODIFIED HEREIN. THE CONTRACTOR SHALL INSTALL THE PIPE IN A TRENCH WITH A CONCRETE CRADLE AND LOW STRENGTH MORTAR BACKFILL AS NOTED ON THE PLANS. THE COST FOR THE CONCRETE CRADLE AND BACKFILL SHALL BE INCLUDED IN THE PRICE BID FOR THE STORM SEWER CONDUIT UNDER ITEM 611. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND CONSTRUCTION INSPECTION FORMS AS INDICATED IN CMS 611.04; HOWEVER AN INSTALLATION PLAN PERFORMANCE INSPECTION, AND PERFORMANCE REPORT ARE NOT REQUIRED. ACCEPTABLE PIPE MATERIALS FOR THIS ITEM SHALL BE LIMITED TO THE FOLLOWING: REINFORCED CONCRETE CIRCULAR PIPE (CMS 706.02), CORRUGATED POLYETHYLENE SMOOTH LINED PIPE (CMS 707.33), POLYVINYL CHLORIDE LARGE DIAMETER SOLID WALL PIPE (CMS 707.48).

ITEM SPEC., TEMPORARY COMPOST FILTER SOCK, 12" DIAMETER, AS PER PLAN THE CONTRACTOR SHALL INSTALL TEMPORARY COMPOST FILTER SOCK AS SHOWN ON THE PLANS TO DIVERT RUNOFF AWAY FROM THE EMBANKMENT STABILIZATION AREA UNTIL PERMANENT GRASSES HAVE GERMINATED SUFFICIENTLY TO STABILIZE THE SLOPE. THE COST OF ALL LABOR, EQUIPMENT, AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM SPEC., TEMPORARY COMPOST FILTER SOCK, 12" DIAMETER, AS PER PLAN.

ITEM SPEC., SITE RESTORATION, AS PER PLAN AFTER COMPLETION OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL RESTORE THE PROJECT AREA TO PRE-PROJECT CONDITIONS TO THE SATISFACTION OF THE OWNER. UNLESS NOTED OTHERWISE, ALL DISTURBED SOIL AREAS BETWEEN STATE ROUTE 8 EXIT RAMP AND THE TOP OF EMBANKMENT ALONG THE RIVER SHALL BE RESTORED WITH ITEM 659, SEEDING AND MULCHING, CLASS 2. ALL DISTURBED SOIL AREAS ON THE EMBANKMENT ALONG THE RIVER SHALL BE RESTORED WITH ITEM 659, SEEDING AND MULCHING, CLASS 3B AND ITEM 670, SLOPE EROSION PROTECTION MAT, TYPE E. THE COST OF ALL LABOR, EQUIPMENT, AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM SPEC., SITE RESTORATION, AS PER PLAN.

PRELIMINARY
 NOT TO BE USED FOR CONSTRUCTION

PLAN SET DATE
 August 2016

SCHEDULE OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT
201	Clearing and Grubbing	1	LUMP
202	Portions of Structure Removed, As Per Plan	1	LUMP
202	Pipe Removed, 24" and Under	64	FT
202	Guardrail Removed	25	FT
203	Excavation	40	CY
203	Embankment, As Directed By Engineer	5	CY
601	Rock Channel Protection, Type C, with Filter Fabric, As Per Plan	22	CY
606	Guardrail Rebuilt	25	FT
610	Retaining Wall, Misc.: Natural Stone Block Wall	103	TON
611	18" Conduit, Type B, As Per Plan	22	FT
611	Manhole, No. 3	1	EACH
623	Construction Layout Stakes	1	LUMP
624	Mobilization	1	LUMP
659	Top Soil	10	CYD
SPEC	Temporary Compost Filter Sock, As Per Plan	100	LF
SPEC	Site Restoration, As Per Plan	1	LUMP

MARK	DATE	DESCRIPTION

CITY OF CUYAHOGA FALLS

CITY OF CUYAHOGA FALLS, SUMMIT COUNTY, OHIO
 STORM SEWER OUTFALL IMPROVEMENTS
 FOR
BROAD BLVD EXIT RAMP
 GENERAL NOTES & SPECIFICATIONS

EMT
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 5800 New Albany Road, Columbus, OH 43254
 Phone: 614.775.6500 Fax: 614.775.3468
 emt.com

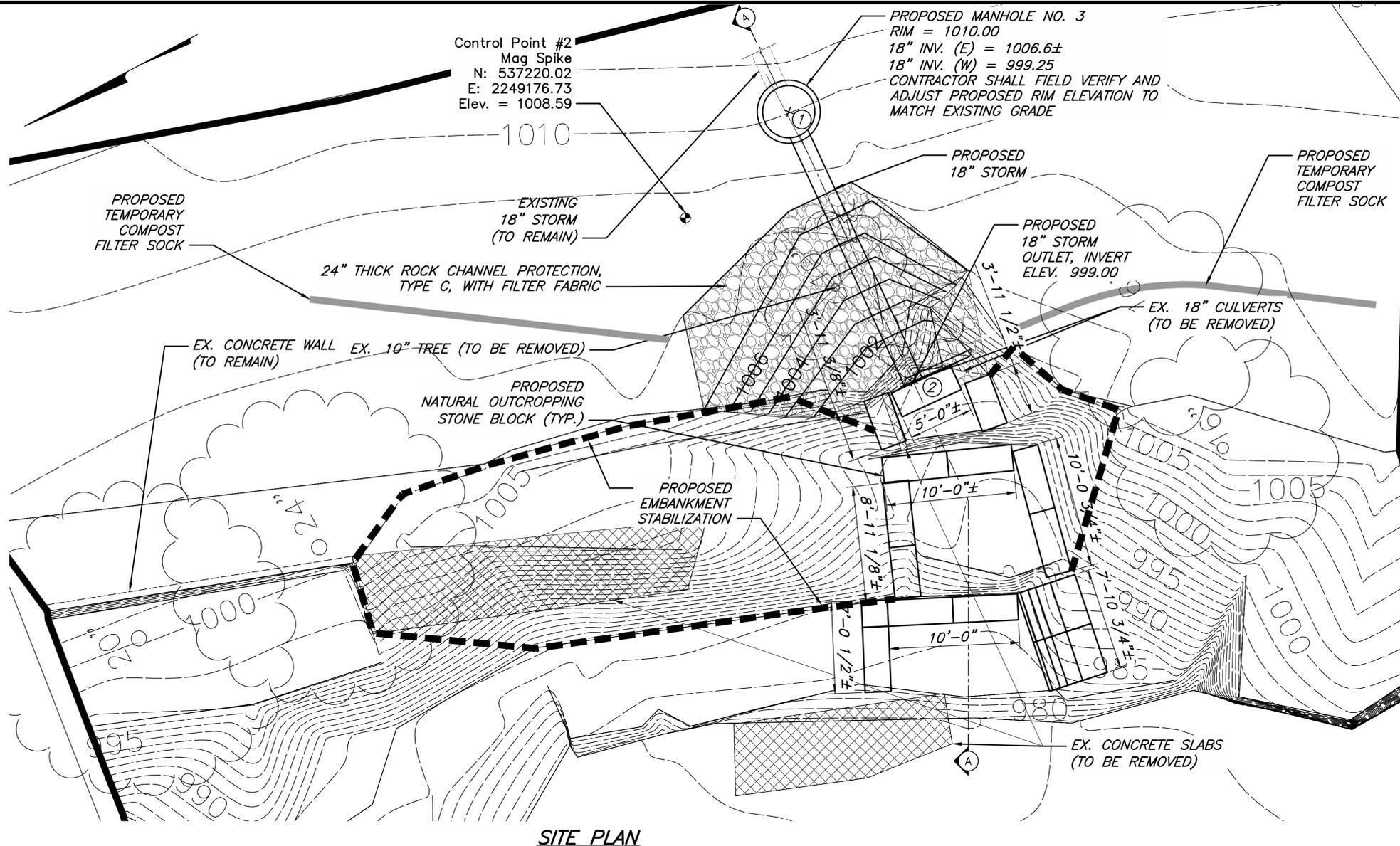
DATE
 August 2016

SCALE
 As Noted

JOB NO.
 2016-0302

SHEET
 02/03

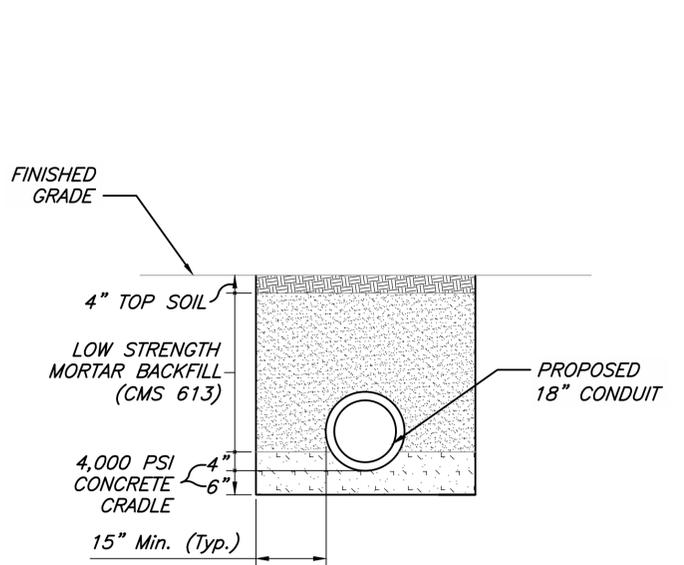
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SITE PLAN

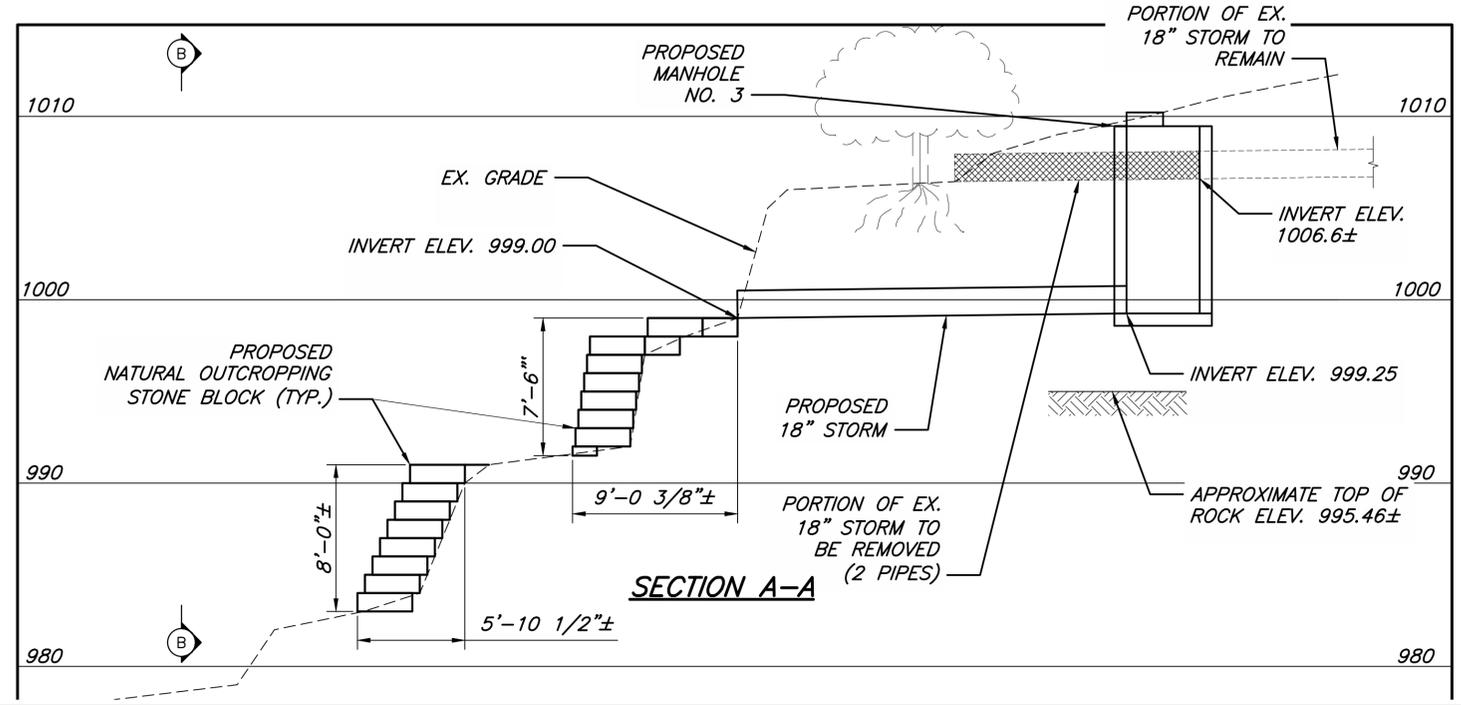
STAKING COORDINATES

PNT #	NORTHING	EASTING	DESCRIPTION
1	537209.1940	2249180.2142	MANHOLE
2	537210.4183	2249157.4773	OUTLET

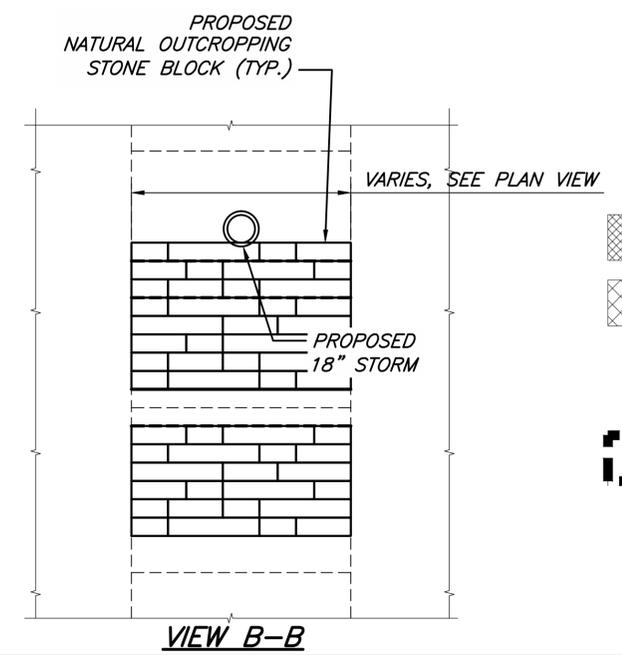


**PIPE TRENCH DETAIL
NOT TO SCALE**

- NOTES:**
- PERFORM THE FOLLOWING TASKS FOR EMBANKMENT STABILIZATION
 - CLEARING AND GRUBBING (CMS 201)
 - DISK LOOSE SOIL MATERIAL INTO EARTHEN EMBANKMENT
 - APPLY EMBANKMENT MATERIAL TO FILL VOIDS, AS DIRECTED BY ENGINEER.
 - APPLY SUPPLEMENTAL TOPSOIL (CMS 659) WHERE A MINIMUM TOPSOIL DEPTH OF 4" IS NOT PRESENT
 - STABILIZE THE WORK AREA PER ITEM SPEC. SITE RESTORATION
 - USE TEMPORARY COMPOST FILTER SOCK TO DIVERT RUNOFF TOWARD ROCK LEDGES DURING EMBANKMENT STABILIZATION WORK. UPON STABILIZATION OF THE EMBANKMENT, CUT THE FILTER SOCK AND DISTRIBUTE THE COMPOST MATERIAL ON THE ADJACENT SURFACE USING HAND TOOLS. DISPOSE OF SOCK MATERIAL OFFSITE.



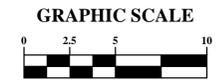
SECTION A-A



VIEW B-B

LEGEND

- CLR. = CLEAR
 EX. = EXISTING
 ELEV. = ELEVATION
 PROP. = PROPOSED
 TYP. = TYPICAL
- = PORTION OF EXISTING PIPE REMOVAL
 - = DENOTES AREAS TO BE REMOVED PER ITEM 202, PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
 - = DENOTES LIMITS OF EMBANKMENT STABILIZATION



PRELIMINARY
 NOT TO BE USED FOR CONSTRUCTION
 PLAN SET DATE August 2016

REVISIONS

MARK	DATE	DESCRIPTION

CITY OF CUYAHOGA FALLS

CITY OF CUYAHOGA FALLS, SUMMIT COUNTY, OHIO
 STORM SEWER OUTFALL IMPROVEMENTS
 FOR
BROAD BLVD EXIT RAMP
 SITE PLAN



DATE August 2016

SCALE As Noted

JOB NO. 2016-0302

SHEET **03/03**

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