

FLOOD PLAIN USE

City of Gahanna, Ohio ■ Planning Commission
200 S. Hamilton Road, Gahanna, OH 43230 ■ Phone: (614) 342-4025 ■ Fax: (614) 342-4117

Application is hereby made for a Flood Plain Use Permit as required by the Regulatory Flood Hazard Area, Chapter 1191 of the Codified Ordinances of the City of Gahanna, Ohio, for development in an identified flood hazard area. All activities shall be completed in accordance with the requirements of Chapter 1191. The development to be performed is described below and in attachments hereto. The applicant understands and agrees that:

- This permit is issued on the condition and facts described;
- Any permit may be repealed if conditions or facts change;
- Permit void if activity has not begun within 180 days of issuance date;
- The permit will remain valid for one year from date of issuance.

RECEIVED
JUL 18 2016

BY: SW

Property Owner: CITY of GAHANNA Phone: 614 342 4005
Address: 200 S HAMILTON ROAD
City/State/Zip Code: GAHANNA OH 43230 Email: _____

Applicant: JEFF FELTZ, CITY of GAHANNA ENGINEERING Phone: 614 342 4005
Address: 200 S HAMILTON ROAD
City/State/Zip Code: GAHANNA OH 43230 Email: jeff.feltz@gahanna.gov

Note: In addition to completion of this form, the applicant shall submit the following information, materials, and any additional information required by the administrator in order to determine that the proposed development is compliant with the local and federal flood damage prevention criteria of the National Flood Insurance Program.

A Flood Plain Use Permit is required before construction or development begins within any area of special flood hazard established in Section 1191.07, basis for establishing the area of special flood hazard. An owner, tenant, option holder or other person having a financial interest in the piece of property in question may apply for a flood plain use permit to the Planning & Zoning Administrator and such application shall include the following:

- N/A 1. Elevation in relation to mean sea level of the lowest floor, including basement, of all proposed structures located in special flood hazard areas where base flood elevation data are utilized;
- N/A 2. Elevation in relation to mean sea level to which any proposed structure will be floodproofed in accordance with Section 1191.02(b) where base flood elevation data are utilized;
- N/A 3. Certification by a registered professional engineer or architect that the floodproofing methods for any non-residential structure meet the floodproofing criteria in Section 1191.20(b) where base flood elevation data are utilized;
- N/A 4. Description of the extent to which any watercourse will be altered or relocated as a result of the proposed development and certification by a registered professional engineer that the flood carrying capacity of the watercourse will not be diminished;
- 5. Two (2) sets of plans drawn to scale showing the nature, location, dimensions and elevation of the lot, existing or proposed structures, fill, storage of materials, floodproofing measures and the relationship of the above to the location of the channel.

Sunguard No. 16070017
PC File No. FPU-3-2016
PC File No. _____
Hearing Date _____

(Received)

(Paid)

(Accepted by PZA)

N/A

FOR ADMINISTRATIVE USE ONLY

Note: The following is to be completed by the local floodplain administrator. All references to elevations are in feet mean sea level (MSL). The term base flood elevation means the same as the 100 year elevation.

5. Is the proposed development located in:

- an identified floodway
- a flood hazard area where base flood elevations exist with no identified floodway
- an area within the floodplain fringe
- an approximate flood hazard area (Zone A). If yes, complete only 6a in the following question.

Note: Floodway development must demonstrate through hydrologic and hydraulic analysis, performed in accordance with standard engineering practices, that no increase in base flood elevation will result during occurrence of the base flood discharge. If base flood elevations exist with no floodway delineation, hydrologic and hydraulic analysis is required to demonstrate not more than one-half foot increase at any point to the water surface elevation of the base flood.

6a. Does proposed development meet NFIP and local General Standards in Section 1191.19 of your regulations?

- Construction materials and methods resistant to flood damage
- Anchored properly
- Utilities safe from flooding
- Subdivision designed to minimize flood damage

6b. Does proposed development meet NFIP and local Specific Standards in Section 1191.20 of your regulations?

- Encroachments – proposed action will not obstruct flood waters
- Proposed site grade elevations if fill or topographic alteration is planned
- Proposed lowest floor elevations expressed in feet mean sea level
- Proposed floodproofed elevation expressed in feet mean sea level

7. Base flood elevation (100 year) at proposed site: 834 feet mean sea level.
Data source: FIRM
Map effective date: 6/17/08
FEMA Community Panel Number: 211 of 465

8. Does the structure contain:

- basement
- enclosed area used only for parking access or storage, other than basement, below the lowest floor

9. For structures located in approximate A zones (no BFE available), the structure's lowest floor is _____ feet above the highest grade adjacent to the structure.

10. The certified as-built elevation of the structure's lowest floor is N/A feet above MSL.*

11. The certified as-built floodproofed elevation of the structure is N/A feet above MSL.*

*Note: Certificates of a registered engineer or land surveyor documenting these elevations are necessary if elevations are provided by applicant.

12. Proposed development is in compliance with applicable floodplain standards. PERMIT ISSUED ON: 7/27/16

13. Proposed development is NOT in compliance with applicable floodplain standards. PERMIT DENIED ON: _____

Note: All structures must be build with the lowest floor, including the basement, elevated or floodproofed to or above the base flood elevation (100 year) unless a variance has been granted. Only non-residential structures may be floodproofed.

14. The proposed development is EXEMPT from the floodplain standards per Section 1191.14 of the Regulatory Flood Hazard Area Chapter 1191.

Comments: _____

Bonnie Gard
Zoning Administrator

7/27/16
Date

CITY OF GAHANNA
STANDARD PROJECT NOTES (CAPITAL PROJECTS)

GENERAL NOTES:

THE CURRENT CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS) TOGETHER WITH THE REQUIREMENTS OF THE CITY OF GAHANNA, OHIO, SHALL GOVERN MATERIALS AND WORKSMANSHIP INVOLVED IN IMPROVEMENTS SHOWN ON THESE PLANS, EXCEPT THOSE SPECIFICATIONS MODIFIED BY THE FOLLOWING SPECIFICATIONS OR CONSTRUCTION DETAILS SET FORTH HEREIN.

ALL PERTINENT STANDARD CONSTRUCTION DRAWINGS ARE AVAILABLE UPON REQUEST AT THE OFFICE OF THE CITY OF GAHANNA ENGINEER.

ALL WORK IS TO BE ACCEPTABLE TO A CITY OF GAHANNA OFFICIALS. NO WORK IS TO COMMENCE UNTIL ARRANGEMENTS HAVE BEEN MADE WITH THE CITY OF GAHANNA ENGINEER FOR INSPECTION.

THE CONTRACTOR SHALL NOTIFY THE CITY OF GAHANNA ENGINEER AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

SPECIFY WORKING HOURS SHALL BE M-F, 8AM TO NO LATER THAN 6:30PM.

THE CONTRACTOR IS TO SCHEDULE A PRE-CONSTRUCTION MEETING ONE BUSINESS WEEK PRIOR TO CONSTRUCTION. THE MEETING SHALL TAKE PLACE AT LEAST ONE BUSINESS WEEK PRIOR TO THE FOLLOWING: SITE CLEARING, MATERIAL DELIVERED ON-SITE, EQUIPMENT ON-SITE AND FIELD OFFICE ON-SITE.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. THE CONTRACTOR SHALL EXERCISE PRECAUTION ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.

THE PRICE(S) QUOTED SHALL INCLUDE ALL ITEMS OF LABOR, MATERIALS, TOOLS, EQUIPMENT, INSURANCE AND OTHER COSTS NECESSARY TO FULLY COMPLETE THE WORK PURSUANT TO THE CONTRACT DOCUMENTS. IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO PROVIDE AND REQUIRE A COMPLETED WORK PROJECT READY FOR OPERATION. ANY WORK ITEMS OMITTED FROM SUCH CONTRACT DOCUMENTS WHICH ARE CLEARLY NECESSARY FOR THE COMPLETION OF SUCH WORK AND ITS APPURTENANCES SHALL BE CONSIDERED A PART OF SUCH WORK ALTHOUGH NOT DIRECTLY SPECIFIED OR CALLED FOR IN THE CONTRACT DOCUMENTS.

ALL FIELD TIE BROKEN DURING EXCAVATION SHALL BE REPLACED WITH PERFORATED PIPE OR CONNECTED TO THE STORM SEWER SYSTEM. THE COST FOR THIS WORK SHALL BE INCLUDED IN PRICE BID FOR THE VARIOUS RELATED ITEMS.

NO NATURAL DRAINAGE COURSES SHALL BE ALTERED AND NO FILL MATERIALS OR STRUCTURES SHALL BE PLACED IN IT UNLESS PROVISIONS ARE MADE FOR THE FLOW OF WATER IN A MANNER SATISFACTORY TO THE CITY ENGINEER.

DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND PROPER SOIL EROSION CONTROL MEASURES FOR PROTECTION OF ALL ADJACENT ROADS AND LOTS.

THE CONTRACTOR SHALL REPAIR OR REPLACE ANY OR ALL EXISTING SIGNS, SHRUBS, FENCES, OR OTHER PHYSICAL FEATURES DAMAGED DURING THE EXECUTION OF THIS CONTRACT AT THEIR OWN EXPENSE. ALL REPAIRS SHALL BE TO THE SATISFACTION OF THE CITY OF GAHANNA.

THE CONTRACTOR SHALL CONFINER ACTIVITIES TO THE PROJECT SITE, EXISTING RIGHT-OF-WAYS, TEMPORARY EASEMENTS AND PERMANENT EASEMENTS, AND SHALL NOT ENTER UPON OTHER PROPERTIES WITHOUT WRITTEN PERMISSION OF THE PROPERTY OWNER.

SHOULD WATER BE ENCOUNTERED, THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF SUCH CAPACITY ADEQUATE TO Dewater THE TRENCH. THE TRENCH SHALL BE SUFFICIENTLY Dewatered SO THAT THE PLACEMENT OF BEDDING AND LAYING AND JOINING OF THE PIPE IS MADE IN A TRENCH FREE OF STANDING WATER. THE CONTRACTOR SHALL CONVEY ALL TRENCH WATER TO A NATURAL DRAINAGE CHANNEL OR STORM SEWER WITHOUT CAUSING ANY PROPERTY DAMAGE. THE COST FOR Dewatering ACTIVITIES SHALL BE INCLUDED IN PRICE BID FOR THE VARIOUS RELATED ITEMS.

THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE CONSTRUCTION TO PLAN GRADE. THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYORS LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHENEVER SEWER LINES, STRUCTURES OR PIPES ARE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR USE AND ASSIST THE CITY INSPECTOR IN PERFORMING GRADE CHECKS WHEN REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFIRM REQUESTS FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO THE CONTRACTOR. THESE CHECKS WILL BE PERFORMED TO ENSURE THAT CONSTRUCTION MATCHES PLAN GRADE, AND TO ENSURE THAT ALL EXISTING INTERLS WITH ABOVE PROPOSED TOP OF CASTING ELEVATIONS ARE VERIFIED DURING CONSTRUCTION OF THE SEWER.

THE CONTRACTOR SHALL REFERENCE ALL IRON PINS OR MONUMENTS, IF ANY PINS OR MONUMENTS ARE DESTROYED OR DAMAGED BY THE CONTRACTOR, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED SURVEYOR IN THE STATE OF OHIO AT THE COMPLETION OF THE PROJECT.

VERTICAL CONTROL HAS BEEN ESTABLISHED FOR THE PROJECT AS SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SURVEYS TO COMPLETE THE PROJECT INCLUDING REESTABLISHMENT OF CONTROL POINTS, PROJECT LAYOUT AND STAKING OF EASEMENTS.

ALL CURB RAMPS AND SIDEWALKS SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1990, INCLUDING ALL SUPPLEMENTS AND/OR REPLACEMENTS, CURRENT ON THE DATE OF THE START OF PROJECT CONSTRUCTION. SIDEWALKS SHALL BE CONSTRUCTED WITH A 3/16" PER FOOT (1.5%) CROSS SLOPE.

NO NON-RUBBER TIRE VEHICLES SHALL BE MOVED ON CITY STREETS, EXISTING PRIVATE ROADWAYS, OR PARKING LOTS UNLESS WRITTEN APPROVAL IS GRANTED BY THE APPROPRIATE CITY AUTHORITY OR PROPERTY OWNER. ANY DAMAGE MUST BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF GAHANNA AT NO COST TO THE CITY OR PROPERTY OWNER.

THE CONTRACTOR SHALL MAKE HIS OWN PROVISIONS TO PROVIDE A SITE STAGING AREA AND JOB TRAILER (IF REQUIRED) FOR THE PROJECT IMPROVEMENTS.

ORANGE CONSTRUCTION FENCING SHALL BE PLACED AROUND THE EXISTING TREES TO BE SAVED AND REMAIN IN PLACE DURING THE DEVELOPMENT CONSTRUCTION. THE LOCATION AND LIMITS OF THE FENCING AND ANY CLEARING NECESSARY SHALL BE AS PER THE APPROVED PLANS.

INCONVENIENCE TO THE ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC SHALL BE KEPT TO THE 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 TAKE MEASURES TO PREVENT SOIL TRANSPORT DURING CONSTRUCTION ONTO PUBLIC ROADS. THE CONTRACTOR SHALL CLEAN AND SWEEP STREETS AS DIRECTED BY THE CITY. THE COST FOR STREET SWEEPING AND CLEANING IS TO BE INCLUDED IN THE PRICE BID UNDER VARIOUS ITEMS.

UTILITIES:

THE CONTRACTOR SHALL GIVE NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (PHONE 1-800-362-2764) AND TO THE OWNERS OF THE UTILITY FACILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UTILITY PROTECTION SERVICE. THE ABOVE MENTIONED NOTICE SHALL BE GIVEN AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

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 COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECTS ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL GIVE NOTICE TO COPS AND OTHER UTILITY OWNERS PER THE GENERAL NOTES.

WHERE POTENTIAL GRADE COLLISIONS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL EXPOSE AND VERIFY THE DEPTH OF THE EXISTING UTILITY IN ADVANCE OF THE PROPOSED CONSTRUCTION.

THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE UTILITY OWNER. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTH OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE.

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND ARE REGISTERED MEMBERS OF THE UNDERGROUND UTILITY PROTECTION SERVICE:

Utility	Owner	Telephone	Fax
Water Facilities	City of Gahanna Water Division 200 S. Hamilton Rd Gahanna, OH 43230	(614) 342-4050	(614) 342-4100
Sewer Facilities	City of Gahanna Sewer Division 200 S. Hamilton Rd Gahanna, OH 43230	(614) 342-4050	(614) 342-4100
Electric Facilities	American Electric Power 850 Tech Center Dr Gahanna, OH 43230	(614) 883-4811	(614) 883-6868
Gas	Columbia Gas of Ohio 200 Civic Center Dr Columbus, OH 43215	(614) 460-6000	(614) 460-4265
Telephone	AT&T 150 E. Day St Columbus, OH 43212	(800) 660-1000	(614) 223-4298

WATER NOTES:

ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER AND THE DIRECTION OF THE CITY OF GAHANNA.

WATER MAINS AND FIRE HYDRANT LEADS SHALL BE DUCTILE IRON PIPE, CLASS S3 (AWWA C151) WITH CEMENT MORTAR LINING AND SEAL COAT (AWWA C104) OR PVC, CLASS 150 MEETING AWWA C900. JOINTS SHALL BE RUBBER GASKET PUSH-ON MECHANICAL (AWWA C110).

FIRE HYDRANTS SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE AS SHOWN ON THE CITY OF COLUMBUS L-6409 AND L-6637 STANDARD CONSTRUCTION DRAWINGS. FIRE HYDRANTS SHALL BE MUELLER SUPER CENTURION 250 FIRE HYDRANT WITH 5" STORE PLUMBER NOZZLE OPTION, AMERICAN DARTING 4-1/2 MCHS - 5 WITH 5" STORE PLUMBER NOZZLE OPTION, OR APPROVED EQUAL AND PAINTED GREY AND RED.

ALL WATER SERVICES SHALL BE INSTALLED IN ACCORDANCE AS SHOWN ON THE CITY OF COLUMBUS L-9901 STANDARD CONSTRUCTION DRAWING. STAINLESS STEEL SERVICE SADDLES SHALL BE PROVIDED FOR ALL WATER SERVICE TAPS.

ALL GATE VALVES SHALL BE THE LATEST SEAT TYPE MANUFACTURED TO MEET OR EXCEED TO REQUIREMENTS OF ANSI/AWWA C508 OR THE RELEVANT SEAT.

WATERLINES SHALL BE LAID WITH A MINIMUM OF 4'-6" OF COVER FROM THE FINISHED GRADE TO THE TOP OF THE WATER LINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HORIZONTAL AND VERTICAL DEFLECTIONS OR BENDS OF THE WATER LINES IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DEFLECT WATER LINES TO PROVIDE A 1'-0" VERTICAL AND 10'-0" HORIZONTAL CLEARANCE WITH SEWERS.

ALL WATER MAINS SHALL BE TESTED UNDER A MINIMUM HYDROSTATIC TEST OF 150 PSI AND IN ACCORDANCE WITH AWWA 8-600 AND CITY OF COLUMBUS CMS ITEM #01.112. NO PRESSURE TEST SHALL BE PERFORMED IF THE TEMPERATURE IS BELOW FREEZING.

THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF THE PLANS, RESULTS OF THE PRESSURE TEST AND LETTER REQUESTING COLORIZATION TO THE CITY OF GAHANNA. COST OF COLORIZATION SHALL BE INCLUDED IN THE PRICE BID FOR THE WATER LINE ITEMS.

SANITARY SEWER NOTES:

SERVICE RISERS, ITEM #14, SHALL BE INSTALLED WHERE DEPTHS FROM THE WYES TO THE EXISTING OR PROPOSED ELEVATIONS EXCEED 10'. THE TOPS OF RISERS SHALL BE NO MORE THAN 4" BELOW THE EXISTING OR PROPOSED SURFACE ELEVATION, WHICHEVER IS HIGHER.

A MINIMUM VERTICAL CLEARANCE OF 1'-6" SHALL BE PROVIDED BETWEEN THE PROPOSED SANITARY SERVICE AND EXISTING UTILITIES OR STRUCTURES UNLESS OTHERWISE NOTED ON THESE PLANS.

ALL PVC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION IN CONFORMANCE WITH THE REQUIREMENTS OF ITEM #01 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT VERSION.

PIPE FOR ALL 6" SANITARY SERVICES SHALL BE PVC SEWER PIPE ASTM D-3034, SDR-35. THE SERVICES SHALL BE FIELD TESTED BY THE INFILTRATION, EXFILTRATION OR AIR TEST.

ALL PIPES SHALL BE LAID WITH TYPE 1 GRANULAR MATERIAL BEDDING AND BACKFILL AS SHOWN ON STANDARD CONSTRUCTION CITY OF COLUMBUS AA-8151. INSTALLATION SHALL CONFORM TO CMS SECTION #01.

STORM SEWER NOTES:

ANY PLACEMENT OF STORM SEWERS BENEATH EXISTING OR PROPOSED PAVEMENT SHALL BE BACKFILLED IN ACCORDANCE WITH COLUMBUS CMS ITEM #12, COMPACTED GRANULAR BACKFILL.

ALL PIPES SHALL BE LAID WITH TYPE 1 GRANULAR MATERIAL BEDDING AND BACKFILL AS SHOWN ON STANDARD CONSTRUCTION CITY OF COLUMBUS AA-8151. INSTALLATION SHALL CONFORM TO CMS SECTION #01.

ALL CONCRETE PIPE AND STORM SEWER STRUCTURES SHALL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE AND/OR STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEETS THEIR SPECIFICATIONS. PIPE AND STRUCTURES WITHOUT PROPER IDENTIFICATION WILL NOT BE PERMITTED FOR INSTALLATION.

ALL CURB INLETS AND MAN-HOLES SHALL BE CHANNLED AS DIRECTED. THE COST FOR THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR VARIOUS STORM SEWER ITEMS.

IN CASE OF CONFLICT IN GRADE BETWEEN WATER LINES AND STORM SEWERS, THE WATER LINES SHALL BE LOWERED DURING CONSTRUCTION.

ALL PLASTIC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION IN CONFORMANCE WITH THE REQUIREMENTS OF COLUMBUS CMS ITEM #01.

MAINTENANCE OF TRAFFIC:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND AND AWAY FROM THE CONSTRUCTION SITE AS DESIGNATED IN SECTION 60.01 OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).

THE SAFETY OF PEDESTRIAN TRAFFIC SHALL BE CONSIDERED AT ALL TIMES IN THE PROVISION OF TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS AND NOTES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE LIGHTS, SIGNS, BARRICADES AND OTHER DEVICES TO PHYSICALLY SEPARATE THE PEDESTRIAN FROM HAZARDOUS INCIDENTS TO THE CONSTRUCTION OPERATIONS SUCH AS OPEN EXCAVATIONS, ETC.

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) FOR CONSTRUCTION AND MAINTENANCE OPERATIONS. ALL DEVICES SHALL MEET FF-45 REFLECTANCE STANDARDS AND IN FULL COMPLIANCE WITH QUALITY STANDARDS FOR WORK ZONE TRAFFIC CONTROL DEVICES PUBLISHED BY ATSSA. ALL TRAFFIC CONTROL DEVICES MUST MEET NCHRP 350.

STEADY BURNING, TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT. ALL SIGNS, NINE SQUARE FEET (06" X 36") AND OVER SHALL HAVE YELLOW TYPE "A" LOW INTENSITY FLASHING WARNING LIGHTS AND THREE FLUOR. CONES ARE NOT APPROVED FOR USE AT NIGHT.

THE ROADWAY SHALL NOT BE OPENED TO TRAFFIC UNTIL PERMANENT TRAFFIC CONTROLS ARE IN PLACE OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE INSPECTOR ARE INSTALLED. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING THE CONSTRUCTION. PERMANENT TRAFFIC CONTROLS NOT LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROLS SHALL BE REPLACED IMMEDIATELY.

ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS SHALL BE MAINTAINED THROUGHOUT THE PROJECT BY THE CONTRACTOR. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, AND IMPROPERLY PLACED TRAFFIC CONTROL DEVICES.

ALL TRENCHES WITHIN THE ROAD RIGHT-OF-WAY SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

ALL LANES SHALL BE FULLY OPEN TO TRAFFIC ON ALL PUBLIC STREETS AND ALLEYS UNLESS OTHERWISE APPROVED BY THE CITY OF GAHANNA.

ANY WORK DONE BY THE CITY INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF THE NEGLIGENCE OF THE CONTRACTOR SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

CREEK FLOW MANAGEMENT:

PROJECT WORK SHALL BE RESTRICTED TO PERIODS OF DRY WEATHER AND NO-FLOW OR NO-LOW FLOW CONDITIONS.

THE CONTRACTOR SHALL MANAGE THE FLOW OF WATER THROUGH MOENBIA CREEK USING TEMPORARY COFFER DAMS, BYPASS PUMPING OR OTHER METHODS APPROVED BY THE CITY OF GAHANNA ENGINEER AS NECESSARY TO PROPERLY CONSTRUCT THE BANK STABILIZATION PROJECT.

NO CONSTRUCTION EQUIPMENT MAY BE PARKED OR STORED WITHIN THE CREEK DURING NON-WORKING HOURS.

CCTV OF EXISTING SEWER:

CONTRACTOR SHALL CCTV INSPECT EX. 15" CLAY SANITARY SEWER WHICH RUNS UNDER PROJECT SITE BEFORE ANY RETAINING WALL CONSTRUCTION WORK BEGINS AND FOLLOWING COMPLETION OF PROJECT WORK. VIDEOS TO BE PROVIDED TO THE OWNER FOR REVIEW. COST OF CCTV INSPECTION TO BE PAID UNDER THE APPLICABLE PROJECT BID ITEM.

ANY DAMAGE TO THE EX. 15" CLAY SANITARY SEWER SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

SURPLUS EXCAVATION & EXCAVATED SEDIMENT MATERIAL.

CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION & SEDIMENT MATERIAL PROPERLY, I.e. THE CITY OF COLUMBUS ENVIRONMENTAL LANDFILL. THE CONTRACTOR SHALL PROVIDE A COPY OF THE SIGNED, WRITTEN AGREEMENT BETWEEN THE CONTRACTOR AND LANDFILL BEFORE SUCH DISPOSAL OCCURS. THIS WRITTEN AGREEMENT SHALL CLEARLY STATE THE PURPOSE OF THE AGREEMENT AND INDICATE THE LANDOWNER'S PERMISSION FOR SUCH USE.

CITY OF COLUMBUS STANDARD DRAWINGS	
STANDARD DETAIL	DWG NUMBER
CAST-IN-PLACE PIPE CULVERT HEADWALLS 8" - 36" DIAMETER	AA-1566
PAVEMENT & UTILITY CULVERT REPAIR STANDARDS	1441
TEMPORARY CONSTRUCTION ENTRANCE	2222
STANDARD SIDEWALKS (ITEM #08) & SPECIFICATIONS	2300
DRAIN TILE REPLACEMENT	L-7002

1. CITY OF COLUMBUS STANDARD DRAWINGS CAN BE FOUND ON-LINE AT:
<http://publicservice.columbus.gov/doclibrary.aspx?nid=32165>
<http://utilities.columbus.gov/services.aspx>
<http://utilities.columbus.gov/water.aspx/>

ESTIMATE OF QUANTITIES			
ITEM	UNIT	QUANTITY	DESCRIPTION
201	L.S.	1	CLEARING AND GRUBBING
201	EA	1	TREE REMOVED, 18-INCH SIZE
203	C.Y.	41	EXCAVATION (REMOVAL OF SEDIMENT UNDER BRIDGE)
203	C.Y.	30	COMPACTED CLAY
204	S.Y.	178	SUBGRADE COMPACTION
207	L.S.	1	GEOTEXTILE FABRIC
409	C.Y.	12	TEMPORARY SEDIMENT AND EROSION CONTROL
621	C.Y.	9	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER
601	C.Y.	22	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
608	S.F.	100	CONCRETE WALK, AS DIRECTED
614	L.S.	1	MAINTAINING TRAFFIC
623	L.S.	1	CONSTRUCTION LAYOUT STAKES
624	L.S.	1	MOBILIZATION
658	S.Y.	400	SEEDING AND MULCHING, HYDRO SEED
659	C.Y.	11	TOPSOIL, 4"
815	C.Y.	111	CRUSHED STONE OR GRAVEL
SPEC.	EA	1	CAST-IN-PLACE CONCRETE HEADWALL
SPEC.	L.F.	640	PIPE AND POST CCTV OF 15" SEWER
SPEC.	S.F. (FACE)	1330	PRECAST BLOCK RETAINING WALL
SPEC.	L.F.	212	PERFORATED PVC DRAINAGE PIPE
SPEC.	L.S.	1	BYPASS PUMPING/ CREEK FLOW MANAGEMENT
SPEC.	L.F.	150	FIELD TILE, UNDERDRAIN, CULVERT, DOWNSPOUT, SANITARY SEWER SERVICE, WATER LINE AND GAS LINE REPAIR/REPLACEMENT, AS DIRECTED

ISSUED FOR BIDDING DATE BY

ADDENDUM REVISIONS

ADDENDUM NO ADDENDUM DATE BY

ISSUED FOR CONSTRUCTION DATE BY

REVISIONS

NO. DESCRIPTION DATE BY

RECORD DRAWINGS DATE BY

DRAFT

DESIGNED NTD DATE 04/06/16

CHECKED JRK JOB NO 60442058

SCALE AS NOTED

GENERAL NOTES

CITY OF GAHANNA, OHIO
ACADEMY COURT
STREAM BANK
STABILIZATION PROJECT
PLAN # ST-1024

ACOM
C-02

PL01 INFO: NATHAN DICKMAN LVP0161556448056_GAHANNACMS-CIVIL-CAD DRAFTING-CAD 04/06/16 3:28PM L15.1 PLS15

NANCY R
MCGREGOR
180 ACADEMY CT
025-004631

TEMPORARY BENCHMARK
NAIL IN BE CORNER OF
LIGHT POLE BASE
ELEV. = 831.68

CONTRACTOR TO REMOVE
ACCUMULATED SEDIMENT AND
DEBRIS FROM UNDERNEATH
BRIDGE. COORDINATE WITH
OWNER ON LIMITS OF
REMOVAL AND QUANTITY
REMOVED.

SKINNER
THOMAS B JR
181 ACADEMY CT
025-004666

SAN MH
TIC 831.13
INV. OUT 817.21

CAUTION: EX. CLAY SAN SEWER
EXISTS BELOW THE WORK ZONE.
BOTTOM OF CREEK ELEV. -824.
TOP OF SAN SEWER ELEV. -819.

INSTALL APPROXIMATELY 5'x4"
9"x3" CAST-IN-PLACE CONCRETE
HEADWALL FOR EXISTING 21"
STORM SEWER PER COC STD DWG
AA-S166. EXACT DIMENSIONS OF
HEADWALL TO BE VARIED TO
BEST-FIT WITH PRECAST BLOCK
RETAINING WALL. PLACE ROCK
CHANNEL PROTECTION "TYPE C"
WI FILTER FABRIC AROUND PIPE
OUTLET.

AZBELL DURWARD A
DEANNE L
171 ACADEMY CT
025-004667

SITE PLAN VIEW
1" = 10'

ISSUED FOR BIDDING		DATE	BY
ADDENDUM REVISIONS			
ADDENDUM NO.	ADDENDUM DATE	BY	
ISSUED FOR CONSTRUCTION			
DATE			
BY			
REVISIONS			
NO.	DESCRIPTION	DATE	BY

RECORD DRAWINGS

DRAFT

DESIGNED NTD	DATE	04/06/16
CHECKED JRR	JOB NO 60442058	
SCALE AS NOTED		

**PROJECT
SITE PLAN**

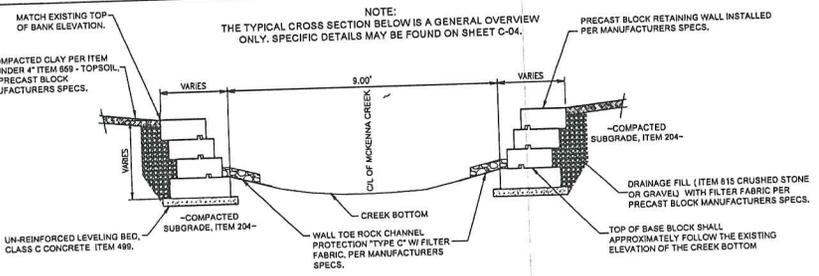
CITY OF GAHANNA, OHIO
ACADEMY COURT
STREAM BANK
STABILIZATION PROJECT
PLAN # ST-1024

ACOM
C-03

CODED NOTES:

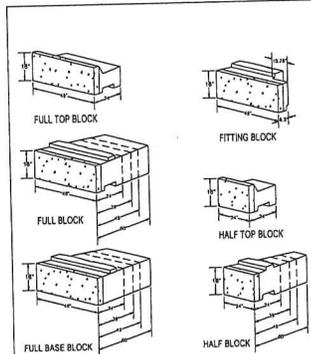
- EXISTING DOWNSPOUTS SHALL BE ROUTED THROUGH PRECAST BLOCK RETAINING WALL PER DETAIL ON SHEET C-04 AND SHALL OUTLET DIRECTLY TO MCKENNA CREEK. MAINTAIN DOWNWARD SLOPE ALONG ALIGNMENT FROM HOME TO OUTLET. COST OF PIPE SHALL BE PAID AT THE UNIT PRICE BID FOR ITEM SPEC. DOWNSPOUT, AS DIRECTED BY OWNER.
- EXISTING SIDEWALK DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE UNIT PRICE BID FOR ITEM 608, CONCRETE WALK, AS DIRECTED BY OWNER.

SURPLUS EXCAVATION & EXCAVATED SEDIMENT MATERIAL:
THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION & SEDIMENT MATERIAL PROPERLY, I.E. CITY OF COLUMBUS ENVIRONMENTAL LANDFILL. THE CONTRACTOR SHALL PROVIDE A COPY OF THE BONDED WRITTEN AGREEMENT BETWEEN THE CONTRACTOR AND LANDFILL BEFORE SUCH DISPOSAL OCCURS. THIS WRITTEN AGREEMENT SHALL CLEARLY STATE THE PURPOSE OF THE AGREEMENT AND INDICATE THE LANDOWNER'S PERMISSION FOR SUCH USE.



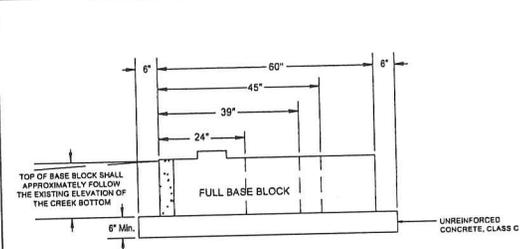
TYPICAL PRECAST BLOCK RETAINING WALL CROSS SECTION
NOT TO SCALE

PLOT INFO: NATHAN, INDIANAN, L\PROJECTS\160442058_GAHANNA\CIVIL\CAD\DRAWING\C-SHEETS\C-03 SITE PLAN.DWG 04/06/16 4:28PM LITS: 1 PBLTS



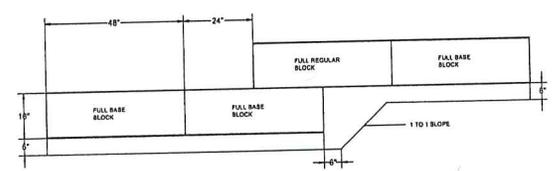
NOTES:
 1. RETAINING WALL TO BE CONSTRUCTED OF A COMBINATION OF BASE BLOCKS, TOP BLOCKS, AND FULL BLOCKS, AS NECESSARY TO ACHIEVE THE CORRECT HEIGHT.
 2. SIZE OF BLOCKS TO BE DETERMINED BY THE PRECAST BLOCK MANUFACTURER.

BLOCK TYPES



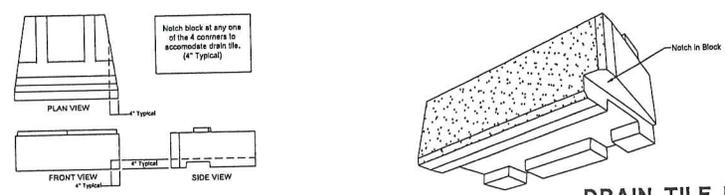
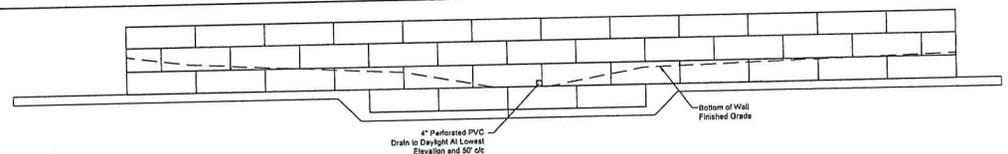
NOTES:
 1. LEVELING PAD SHALL BE CONCRETE, CLASS C, 6" THICK.
 2. THE WIDTH OF THE LEVELING PAD MUST EXTEND 6" (MINIMUM) IN FRONT AND 6" (MINIMUM) IN BACK OF THE BASE BLOCK. AS A RESULT, THE TYPICAL WIDTH OF LEVELING PAD WOULD BE:
 24" DEEP BASE BLOCK...LEVELING PAD WIDTH IS 36"
 36" DEEP BASE BLOCK...LEVELING PAD WIDTH IS 42"
 42" DEEP BASE BLOCK...LEVELING PAD WIDTH IS 48"
 48" DEEP BASE BLOCK...LEVELING PAD WIDTH IS 54"
 54" DEEP BASE BLOCK...LEVELING PAD WIDTH IS 60"
 3. SET THE BASE BLOCK AND CHECK FOR LEVEL FROM FRONT TO BACK.
 4. COMPACTION TO THE SPECIFIED EMBEDMENT DEPTH SHALL BE DONE IN FRONT OF THE BASE BLOCK BEFORE COMPACTION IS DONE BEHIND THE BASE BLOCK. THIS REDUCES THE CHANCE THAT COMPACTION BEHIND THE BASE BLOCK WILL ROLL THE BASE BLOCK FORWARD.
 5. SEE BLOCK SPECIFICATION & INSTALLATION INSTRUCTIONS FOR MORE DETAILS.

BASE BLOCK PLACEMENT



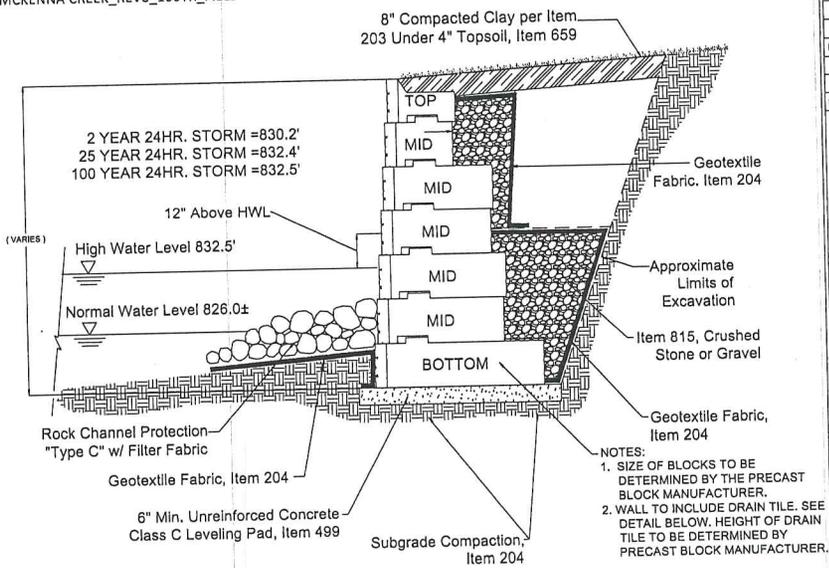
NOTE: BLOCK MUST BE PLACED ON A MINIMUM OF 6" OF CRUSHED STONE (GENERALLY 3/4" OR LARGER) OR LEAN CONCRETE AS SPECIFIED IN THE SITE SPECIFIC WALL PLAN DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER. GENERALLY THE BASE MATERIAL MUST BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR.

BASE ROW STEP UP



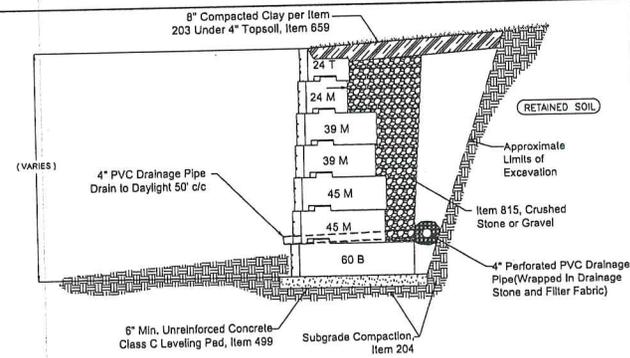
DRAIN TILE DETAIL

STORM EVENT ELEVATIONS BASED ON THE AECOM MODEL, ACADEMY COURT BRIDGE HYDRAULIC ASSESSMENT DATED APRIL 17, 2015
 MODEL NAME/LOCATIONS
 MCKENNA CREEK_REV8_2YR_FIELD
 MCKENNA CREEK_REV8_25YR_FIELD
 MCKENNA CREEK_REV8_100YR_FIELD



TYPICAL GRAVITY WALL SECTION - WATER APPLICATION

NOTES:
 1. SIZE OF BLOCKS TO BE DETERMINED BY THE PRECAST BLOCK MANUFACTURER.
 2. WALL TO INCLUDE DRAIN TILE. SEE DETAIL BELOW. HEIGHT OF DRAIN TILE TO BE DETERMINED BY PRECAST BLOCK MANUFACTURER.



Typical Cross Section

ISSUED FOR BIDDING		DATE	BY
ADDENDUM REVISIONS			
ADDENDUM NO	ADDENDUM DATE	BY	
ISSUED FOR CONSTRUCTION			
DATE BY			
REVISIONS			
NO.	DESCRIPTION	DATE	BY
RECORD DRAWINGS			
DATE BY			
DRAFT			
DESIGNED NTD	DATE	04/06/16	
CHECKED JPK	JOB NO	60442058	
SCALE NOT TO SCALE			
PRECAST BLOCK DETAILS			
CITY OF GAHANNA, OHIO ACADEMY COURT STREAM BANK STABILIZATION PROJECT PLAN # ST-1024			
AECOM			
C-04			

PLDT INF0 - NATHAN_DICKMAN - L:\PROJECTS\6446006_GAHANNA\ACS\CIVIL\GAR - BRM\FINAL\C_SHEETS\C-04 - (BLOCK DETAILS)DWG 04/06/16 3:33PM LTS 1 PSL

GENERAL NOTES

CLEARING AND GRUBBING SHALL NOT COMMENCE UNTIL THE CONTRACTOR IS PREPARED TO START CONSTRUCTION.
 DISTURBED LAND EXPOSED LONGER THAN 15 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING AND MULCHING OR MULCHING ALONE.
 TRENCHES SHALL BE BACKFILLED IMMEDIATELY; COMPACT AND SEED AND/OR MULCH TRENCHES IN UNPAVED AREAS WITHIN 15 DAYS AFTER THEY HAVE BEEN OPENED.
 UNPAVED AREAS SHALL BE WET DOWN AS NECESSARY USING WATER DURING CONSTRUCTION TO MINIMIZE DUST.
 IF WORK IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION CONTROLS IN GOOD OPERATING CONDITION DURING THE SUSPENSION OF THE WORK. ALSO, WHEN SEASONAL CONDITIONS PERMIT AND THE SUSPENSION OF WORK IS EXPECTED TO EXCEED A PERIOD OF ONE MONTH, THE CONTRACTOR SHALL PLACE TOPSOIL, FINE GRADE, SEED, FERTILIZER, AND MULCH ALL DISTURBED AREAS LEFT EXPOSED WHEN WORK IS STOPPED.
 FOR DISTURBED AREAS REMAINING DORMANT OVER 21 DAYS, TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS.
 SEDIMENT CONTROLS SHALL BE INSTALLED/IMPLEMENTED WITHIN 7 DAYS OF GRUBBING ACTIVITIES.
 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.
 ALL MATERIALS TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOOD PLAIN, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS. EROSION CONTROL MEASURES AT THE DISPOSAL SITE MUST BE INSTALLED AND MAINTAINED UNTIL DISPOSAL IS COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED.
 NO TRENCH SHALL BE LEFT OPEN AT THE END OF THE WORKDAY.
 CONSTRUCTION EQUIPMENT SHALL BE PROVIDED WITH INTAKE SILencers AND MUFFLERS, AS REQUIRED BY SAFETY STANDARDS.
 ALL CONSTRUCTION VEHICLES SHALL BE EQUIPPED WITH PROPER EMISSIONS CONTROL EQUIPMENT.
 ALL EQUIPMENT AND MACHINERY SHALL BE MAINTAINED TO MINIMIZE EXHAUST EMISSIONS AND NOISE.
 SOIL AND OTHER MATERIAL SHALL NOT BE STORED NEXT TO OR WITHIN THE DRIP-LINE OF TREES.
 PRESERVATION OF LANDSCAPING SHOULD TAKE PRECEDENCE OVER REMOVAL. IF REMOVAL OR DAMAGE IS UNAVOIDABLE, EXISTING VEGETATION SHALL BE REPAIRED OR REPLACED "IN-KIND" UNLESS THE LANDOWNER SPECIFIES OTHERWISE.
 THE CONTRACTOR SHALL REPAIR ALL INJURIES TO BARK, TRUNKS, LIMBS, AND ROOTS OF REMAINING VEGETATION BY PROPERLY DRESSING, CUTTING, AND BRACING, USING ONLY APPROVED TREE SURGERY METHODS, TOOLS, AND MATERIALS. WHEN ROOTS ARE DAMAGED DURING EXCAVATION, THE ABOVEGROUND PORTION OF THE TREE SHALL BE PRUNED TO COMPENSATE.
 SELECTIVE PRUNING OF TREE LIMBS PRIOR TO CONSTRUCTION SHALL ONLY BE DONE WITHIN ESTABLISHED EASEMENTS WHERE REMOVAL IS NECESSARY FOR OPERATION OF EQUIPMENT.
 SILT FROM CONSTRUCTION SITES SHALL NOT BE PERMITTED TO ENTER STORM SEWERS. WHEN CONSTRUCTION OCCURS NEAR STORM SEWER INLETS, EROSION CONTROL MEASURES SUCH AN INLET FILTERS SHALL BE USED TO PREVENT SILT FROM ENTERING THE STORM SEWERS.
 ALL WATER SHALL BE CONVEYED FROM THE CONSTRUCTION SITE IN A CLOSED CONDUIT. DO NOT USE TRENCH EXCAVATIONS AS TEMPORARY DRAINAGE DITCHES.

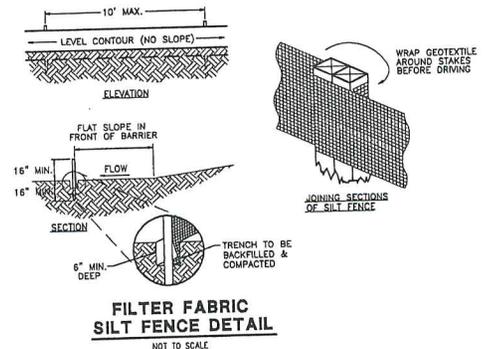
PROHIBITED CONSTRUCTION ACTIVITIES

DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL OR TREES, BRUSH, AND OTHER DEBRIS IN ANY STREAM CORRIDOR, ANY WETLANDS, ANY SURFACE WATERS, OR AT UNSPECIFIED LOCATIONS.
 STOCKPILING MATERIALS OR STORING CONSTRUCTION EQUIPMENT AND VEHICLES ON PROPERTY NOT SPECIFIED ON THE PLANS BY THE ENGINEER FOR SUCH PURPOSES.
 INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY STREAM CORRIDORS, ANY WETLANDS, AND SURFACE WATERS, OR OUTSIDE THE EASEMENT LIMITS.
 PUMPING OF SEDIMENT-LOADED WATER FROM TRENCHES OR OTHER EXCAVATIONS DIRECTLY INTO ANY SURFACE WATERS, ANY STREAM CORRIDORS, ANY WETLANDS, OR STORM SEWERS; ALL SUCH WATER SHALL BE PROPERLY FILTERED OR SETTLED TO REMOVE SILT PRIOR TO RELEASE.
 DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWAGE, OR OTHER HARMFUL WASTE INTO OR ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS, OR INTO ANY NATURAL OR MAN-MADE CHANNELS.
 PERMANENT OR UNSPECIFIED ALTERATION OF THE FLOW LINE OF ANY STREAM.
 DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.
 DISCHARGING INJURIOUS SILICA DUST CONCENTRATIONS INTO THE ATMOSPHERE RESULTING FROM BREAKING, CUTTING, CHIPPING, DRILLING, BUFFING, GRINDING, POLISHING, SHAPING OR SURFACING CLOSER THAN 200 FEET TO PLACES OF RESIDENCES OR COMMERCIAL, PROFESSIONAL, QUASI-PUBLIC, OR PUBLIC PLACES OF HUMAN OCCUPATION.
 RUNNING WELL POINT OR PUMP DISCHARGE LINES THROUGH PRIVATE PROPERTY OR PUBLIC PROPERTY AND RIGHTS-OF-WAY WITHOUT THE WRITTEN PERMISSION OF THE PROPERTY OWNER AND THE CONSENT OF THE OWNER.
 OPERATIONS ENTAILING THE USE OF VIBRATORY HAMMERS OR COMPACTORS OUTSIDE THE HOURS OF 8:00 A.M. AND 5:00 P.M. OR OUTSIDE THE HOURS ALLOWED FOR CONSTRUCTION BY LOCAL ORDINANCES OR REGULATIONS.
 CLOSING OFF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE, OR BOULEVARD WITHOUT THE PRIOR CONSENT OF MUNICIPAL OFFICIALS AND THE ENGINEER, AND CLOSING CLEAR ACCESS:
 BY FIRE PROTECTION EQUIPMENT AND EMERGENCY VEHICLES;
 BY THE PUBLIC TO ANY COMMERCIAL OR PROFESSIONAL PLACE OF BUSINESS, QUASI-PUBLIC OR PUBLIC ESTABLISHMENT, OR RESIDENCE
 DISPOSAL OF TOXIC OR HAZARDOUS WASTES INTO STORMDRAINS, SEPTIC TANKS, OR BY BURYING, BURNING, OR MIXING THE WASTES.
 USING ANY SUBSTANCE OTHER THAN WATER TO CONTROL DUST.

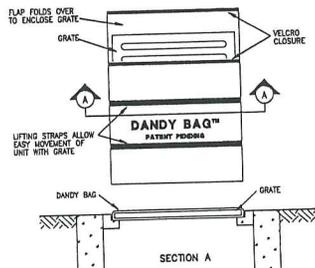
SEDIMENT & EROSION CONTROL NOTES

THE CLEANUP AND DISPOSAL OF EXCESS EXCAVATED MATERIALS SHALL BE DONE AS SOON AS PRACTICAL AND AS THE PROJECT ENGINEER MAY DIRECT.
 STRAW BALES, SILT FENCES, OR OTHER FILTERING DEVICES SHALL BE MAINTAINED AT AREAS OF STOCKPILED MATERIALS, EXCAVATED AREAS, CATCH BASINS, AND OTHER STORM WATER INLET STRUCTURES IN CONSTRUCTION AREAS TO CONTROL SILT RUNOFF.
 ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS.
 ALL DEWATERING FLOWS SHALL BE KEPT FREE OF SILT, SEDIMENTS, DEBRIS, AND OTHER POLLUTANTS THROUGH APPROPRIATE MEANS (SETTLING BASINS, FILTER, ETC.); FOLLOWING THIS, THE FLOW SHALL ONLY BE RELEASED DIRECTLY INTO STORM SEWERS, STREAM CHANNELS, TO OTHER STABILIZED DRAINAGE COURSES AND NOT ONTO EXPOSED SOILS, STEEP SLOPES OR ANY OTHER SITE WHERE FLOWS COULD CAUSE FURTHER EROSION.

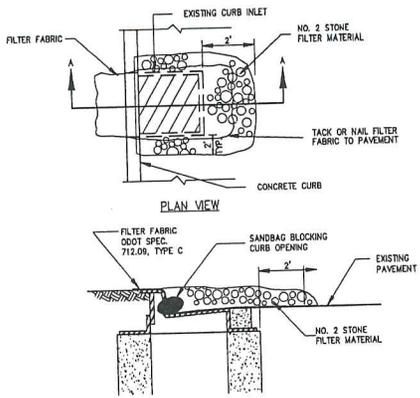
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DATE		BY	
REVISIONS			
NO.	DESCRIPTION	DATE	BY
RECORD DRAWINGS		DATE	BY
DESIGNED NTD			
CHECKED JRR		DATE 04/06/16	JOB NO 60442058
SCALE AS NOTED			
EROSION AND SEDIMENT CONTROL NOTES			
CITY OF GAHANNA, OHIO ACADEMY COURT STREAM BANK STABILIZATION PROJECT PLAN # ST-1024			
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C-05			



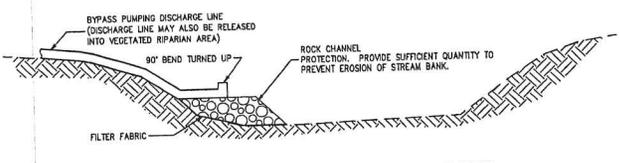
FILTER FABRIC SILT FENCE DETAIL
NOT TO SCALE



INLET PROTECTION FILTER DETAIL
NOT TO SCALE



CURB INLET FILTER DETAIL
NOT TO SCALE



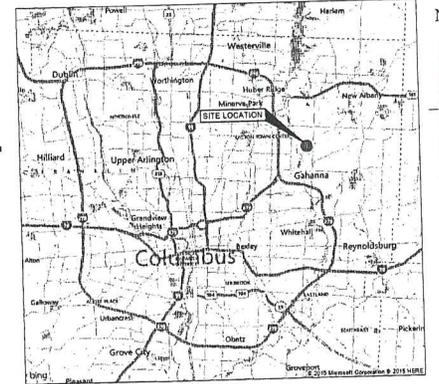
BYPASS PUMPING DISCHARGE DETAIL
NOT TO SCALE

PLOT INFO: NATHAN_BUCHANAN\PROJECTS\60442058_GAHANNA\ACTIVITY\CAD DRAWING\SHEETS\C-05_GERSTON_CONTROL.DWG 04/06/16 3:28PM LITS 1 P

DRAFT

CITY OF GAHANNA, OHIO

ACADEMY COURT STREAM BANK STABILIZATION PROJECT PLAN # ST-1024



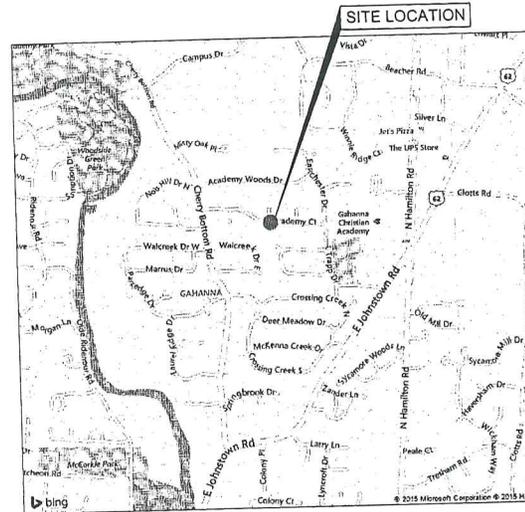
GENERAL LOCATION MAP
SCALE: NTS

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.

	4/24/16
CITY ENGINEER, CITY OF GAHANNA, OHIO	DATE
	4/28/16
WATER WORKS ENGINEER, CITY OF GAHANNA, OHIO	DATE
	5-5-16
SUPERINTENDENT, STREETS AND UTILITIES, CITY OF GAHANNA, OHIO	DATE
	4/29/16
DIRECTOR OF PUBLIC SERVICE, CITY OF GAHANNA, OHIO	DATE
	4/29/16
DIRECTOR OF FINANCE, CITY OF GAHANNA, OHIO	DATE
	4/29/16
MAYOR, CITY OF GAHANNA, OHIO	DATE

"THIS IS TO CERTIFY THAT GOOD ENGINEERING PRACTICES HAVE BEEN UTILIZED ON THE DESIGN OF THIS PROJECT, AND THAT ALL OF THE MINIMUM LOCAL STANDARDS HAVE BEEN MET, INCLUDING THOSE STANDARDS GREATER THAN MINIMUM WHERE, IN MY OPINION, ARE NEEDED TO PROTECT THE SAFETY OF THE PUBLIC. ANY VARIANCES TO THE ABOVE STANDARDS ARE CONSISTENT WITH SOUND ENGINEERING PRACTICES AND ARE NOT DETRIMENTAL TO THE PUBLIC SAFETY AND CONVENIENCE."

	50181
JEFFREY R. KERR, P.E.	4-26-16
REG. NO.	DATE



PROJECT VICINITY MAP
SCALE: NTS

INDEX OF SHEETS

DESCRIPTION	SHEET NO.
TITLE SHEET	C-01
GENERAL NOTES	C-02
PROJECT SITE PLAN	C-03
PRECAST BLOCK DETAILS	C-04
EROSION AND SEDIMENT CONTROL NOTES	C-05

UNDERGROUND UTILITIES

2 WORKING DAYS
BEFORE YOU DIG
CALL 800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

PLANS PREPARED BY :



277 WEST NATIONWIDE BLVD. COLUMBUS, OHIO 43215 614-484-4500

PLOT INFO: ANDREW MARTIN, LVP, PROJECTS, 614-484-5889, GAHANNA/COLUMBUS/ACAD, BRACKETING/C. SHEETS/C-01, CITIES/SHEET/DWG, 04/26/16, 2:38PM, L.T.S., I. P.E.T.S.

GENERAL NOTES

THE CURRENT CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS) TOGETHER WITH THE REQUIREMENTS OF THE CITY OF GAHANNA, OHIO, SHALL GOVERN MATERIALS AND WORKMANSHIP INVOLVED IN IMPROVEMENTS SHOWN ON THESE PLANS, EXCEPT THOSE SPECIFICATIONS MODIFIED BY THE FOLLOWING SPECIFICATIONS OR CONSTRUCTION DETAILS SET FORTH HEREIN.

ALL PERTINENT STANDARD CONSTRUCTION DRAWINGS ARE AVAILABLE UPON REQUEST AT THE OFFICE OF THE CITY OF GAHANNA ENGINEERS.

ALL WORK IS TO BE ACCEPTABLE TO CITY OF GAHANNA OFFICIALS, NO WORK IS TO COMMENCE UNTIL ARRANGEMENTS HAVE BEEN MADE WITH THE CITY OF GAHANNA ENGINEER FOR INSPECTION.

THE CONTRACTOR SHALL NOTIFY THE CITY OF GAHANNA ENGINEER AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

SPECIFY WORKING HOURS SHALL BE M-F, 8AM TO NO LATER THAN 6:30PM.

THE CONTRACTOR IS TO SCHEDULE A PRE-CONSTRUCTION MEETING ONE BUSINESS WEEK PRIOR TO CONSTRUCTION, THE MEETING SHALL TAKE PLACE AT LEAST ONE BUSINESS WEEK PRIOR TO THE FOLLOWING: SITE CLEARING, MATERIAL DELIVERED ON-SITE, EQUIPMENT ON-SITE AND FIELD OFFICE ON-SITE.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, THE CONTRACTOR SHALL EXERCISE PRECAUTION ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY, IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.

THE PRICES QUOTED SHALL INCLUDE ALL ITEMS OF LABOR, MATERIALS, TOOLS, EQUIPMENT, INSURANCE AND OTHER COSTS NECESSARY TO FULLY COMPLETE THE WORK PURSUANT TO THE CONTRACT DOCUMENTS. IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO PROVIDE AND REQUIRE A COMPLETED WORK PROJECT READY FOR OPERATION. ANY WORK ITEMS OMITTED FROM SUCH CONTRACT DOCUMENTS WHICH ARE CLEARLY NECESSARY FOR THE COMPLETION OF SUCH WORK AND ITS APPURTENANCES SHALL BE CONSIDERED A PART OF SUCH WORK ALTHOUGH NOT DIRECTLY SPECIFIED OR CALLED FOR IN THE CONTRACT DOCUMENTS.

ALL FIELD TILE BROKEN DURING EXCAVATION SHALL BE REPLACED WITH PERFORATED PIPE OR CONNECTED TO THE STORM SEWER SYSTEM. THE COST FOR THIS WORK SHALL BE INCLUDED IN PRICE BID FOR THE VARIOUS RELATED ITEMS.

NO NATURAL DRAINAGE COURSES SHALL BE ALTERED AND NO FILL, MATERIALS OR STRUCTURES SHALL BE PLACED IN IT UNLESS PROVISIONS ARE MADE FOR THE FLOW OF WATER IN A MANNER SATISFACTORY TO THE CITY ENGINEER.

DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND PROPER SOIL EROSION CONTROL MEASURES FOR PROTECTION OF ALL ADJACENT ROADS AND LANDS.

THE CONTRACTOR SHALL REPAIR OR REPLACE ANY OR ALL EXISTING SIGNS, SHRUBS, FENCES, OR OTHER PHYSICAL FEATURES DAMAGED DURING THE EXECUTION OF THIS CONTRACT AT THEIR OWN EXPENSE. ALL REPAIRS SHALL BE TO THE SATISFACTION OF THE CITY OF GAHANNA.

THE CONTRACTOR SHALL CONFINE ACTIVITIES TO THE PROJECT SITE, EXISTING RIGHT-OF-WAYS, TEMPORARY EASEMENTS AND PERMANENT EASEMENTS, AND SHALL NOT ENTER UPON OTHER PROPERTIES WITHOUT WRITTEN PERMISSION OF THE PROPERTY OWNER.

SHOULD WATER BE ENCOUNTERED, THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF SUCH CAPACITY ADEQUATE TO DEWATER THE TRENCH. THE TRENCH SHALL BE SUFFICIENTLY Dewatered SO THAT THE PLACEMENT OF BEDDING AND LAYING AND JOINTING OF THE PIPE IS MADE IN A TRENCH FREE OF STANDING WATER. THE CONTRACTOR SHALL CONVEY ALL TRENCH WATER TO A NATURAL DRAINAGE CHANNEL, OR STORM SEWER WITHOUT CAUSING ANY PROPERTY DAMAGE. THE COST FOR DEWATERING ACTIVITIES SHALL BE INCLUDED IN PRICE BID FOR THE VARIOUS RELATED ITEMS.

THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE CONSTRUCTION TO PLAN GRADE. THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYOR'S LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHENEVER SEWER LINE STRUCTURES OR PIPES ARE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR USE AND ASSIST THE CITY INSPECTOR IN PERFORMING GRADE CHECKS WHEN REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFINE REQUESTS FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO TIMES CONVENIENT TO THE CONTRACTOR. THESE CHECKS WILL BE PERFORMED TO ENSURE THAT CONSTRUCTION MATCHES PLAN GRADE, AND TO ENSURE THAT ALL EXISTING INVERTS ALONG WITH THE PROPOSED TOP OF CASTING ELEVATIONS ARE VERIFIED DURING CONSTRUCTION OF THE SEWER.

THE CONTRACTOR SHALL REFERENCE ALL IRON PINS OR MONUMENTS. IF ANY PINS OR MONUMENTS ARE DESTROYED OR DAMAGED BY THE CONTRACTOR, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED SURVEYOR IN THE STATE OF OHIO AT THE COMPLETION OF THE PROJECT.

VERTICAL CONTROL HAS BEEN ESTABLISHED FOR THE PROJECT AS SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SURVEYS TO COMPLETE THE PROJECT INCLUDING REESTABLISHMENT OF CONTROL POINTS, PROJECT LAYOUT AND STAKING OF EASEMENTS.

ALL CURB RAMPS AND SIDEWALKS SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1990, INCLUDING ALL SUPPLEMENTS IN ACCORDANCE WITH THE CITY OF COLUMBUS STANDARD DRAWING 219, INCLUDING ALL SUPPLEMENTS AND/OR REVISIONS, CURRENT ON THE DATE OF THE START OF PROJECT CONSTRUCTION. SIDEWALKS SHALL BE CONSTRUCTED WITH A 3/16" PER FOOT (5.56%) CROSS SLOPE.

NO NONRUBBER Tired VEHICLES SHALL BE MOVED ON CITY STREETS, EXISTING PRIVATE ROADWAYS, OR PARKING LOTS UNLESS WRITTEN APPROVAL IS GRANTED BY THE APPROPRIATE CITY AUTHORITY OR PROPERTY OWNER. ANY DAMAGE MUST BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF GAHANNA AT NO COST TO THE CITY OR PROPERTY OWNER.

THE CONTRACTOR SHALL MAKE HIS OWN PROVISIONS TO PROVIDE A SITE STAGING AREA AND JOB TRAILER (IF REQUIRED) FOR THE PROJECT IMPROVEMENTS.

ORANGE CONSTRUCTION FENCING SHALL BE PLACED AROUND THE EXISTING TREES TO BE SAVED AND REMAIN IN PLACE DURING THE DEVELOPMENT CONSTRUCTION. THE LOCATION AND LIMITS OF THE FENCING AND ANY CLEARING NECESSARY SHALL BE AS PER THE APPROVED PLANS.

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 TAKE MEASURES TO PREVENT SOIL TRANSPORT DURING CONSTRUCTION ONTO PUBLIC ROADS. THE CONTRACTOR SHALL CLEAN AND SWEEP STREETS AS DIRECTED BY THE CITY. THE COST FOR STREET SWEEPING AND CLEANING IS TO BE INCLUDED IN THE PRICE BID UNDER VARIOUS ITEMS.

UTILITIES:
THE CONTRACTOR SHALL GIVE NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (PHONE 1-800-362-2764) AND TO THE OWNERS OF THE UTILITY UTILITIES SHOWN ON THE PLAN WHO ARE NOT MEMBERS OF A REGISTERED UTILITY PROTECTION SERVICE. THE ABOVE MENTIONED NOTICE SHALL BE GIVEN AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

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 COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL POSITIONS OF THE UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO NOTIFY THE UTILITIES AND HORIZONTAL UTILITY OWNERS PER THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL GIVE NOTICE TO THE CITY AND OTHER UTILITY OWNERS PER THE GENERAL NOTES.

**CITY OF GAHANNA
STANDARD PROJECT NOTES (CAPITAL PROJECTS)**

WHERE POTENTIAL GRADE CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL EXPOSE AND VERIFY THE DEPTH OF THE EXISTING UTILITY IN ADVANCE OF THE PROPOSED CONSTRUCTION.

THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE UTILITY OWNER. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTENT DAMAGE.

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND ARE REGISTERED MEMBERS OF THE UNDERGROUND UTILITY PROTECTION SERVICE:

Utility	Owner	Telephone	Fax
Water Facilities	City of Gahanna Water Division 200 S. Hamilton Rd Gahanna, OH 43230	(614) 342-4050	(614) 342-4100
Sewer Facilities	City of Gahanna Sewer Division 200 S. Hamilton Rd Gahanna, OH 43230	(614) 342-4050	(614) 342-4100
Electric Facilities	American Electric Power 850 Tech Center Dr Gahanna, OH 43230	(614) 883-5811	(614) 883-6868
Gas	Columbia Gas of Ohio 200 Civic Center Dr Columbus, OH 43215	(614) 460-6000	(614) 460-4265
Telephone	AT&T 150 E. Gay St Columbus, OH 43212	(800) 660-1000	(614) 223-6296

WATER NOTES:
ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER AND THE DIRECTION OF THE CITY OF GAHANNA.

WATER MAINS AND FIRE HYDRANT LEADS SHALL BE DUCTILE IRON PIPE, CLASS 53 (AWWA C151) WITH CEMENT MORTAR LINING AND SEAL COAT (AWWA C104) OR PVC, CLASS 150 MEETING AWWA C900. JOINTS SHALL BE RUBBER GASKET PUSH-ON MECHANICAL (AWWA C110).

FIRE HYDRANTS SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE AS SHOWN ON THE CITY OF COLUMBUS L-649 AND L-8637 STANDARD CONSTRUCTION DRAWINGS. FIRE HYDRANTS SHALL BE MULLER SUPER CENTURION 250 FIRE AND 1-8637 STANDARD CONSTRUCTION DRAWINGS. FIRE HYDRANTS SHALL BE MULLER SUPER CENTURION 250 FIRE HYDRANT WITH 5" STORZ PUMPER NOZZLE OPTION, AMERICAN DARLING 4-1/2 NK73 - 5 WITH 5" STORZ PUMPER NOZZLE OPTION, OR APPROVED EQUAL AND PAINTED GREY AND RED.

ALL WATER SERVICES SHALL BE INSTALLED IN ACCORDANCE AS SHOWN ON THE CITY OF COLUMBUS L-9601 STANDARD CONSTRUCTION DRAWING. STAINLESS STEEL SERVICE SADDLES SHALL BE PROVIDED FOR ALL WATER SERVICE TAPS.

ALL GATE VALVES SHALL BE RESILIENT GATE TYPE MANUFACTURED TO MEET OR EXCEED TO REQUIREMENTS OF ANSI/AWWA C550 OR THE LATEST REVISION.

WATERLINES SHALL BE LAID WITH A MINIMUM OF 4'-0" OF COVER FROM THE FINISHED GRADE TO THE TOP OF THE WATER LINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HORIZONTAL AND VERTICAL DEFLECTIONS OR BENDS OF THE WATER LINES IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DEFLECT WATER LINES TO PROVIDE A 1'-0" VERTICAL AND 10'-0" HORIZONTAL CLEARANCE WITH SEWERS.

ALL WATER MAINS SHALL BE TESTED UNDER A MINIMUM HYDROSTATIC TEST OF 150 PSI AND IN ACCORDANCE WITH AWWA C-600 AND CITY OF COLUMBUS CMS ITEM 801.12. NO PRESSURE TEST SHALL BE PERFORMED IF THE TEMPERATURE IS BELOW FREEZING.

THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF THE PLANS, RESULTS OF THE PRESSURE TEST AND A LETTER REQUESTING CHLORINATION TO THE CITY OF GAHANNA. COST OF CHLORINATION SHALL BE INCLUDED IN THE PRICE BID FOR THE WATER LINE ITEMS.

SANITARY SEWER NOTES:
SERVICE RISERS, ITEM 514, SHALL BE INSTALLED WHERE DEPTHS FROM THE WYES TO THE EXISTING OR PROPOSED ELEVATIONS EXCEED 10'. THE TOPS OF RISERS SHALL BE NO MORE THAN 2' BELOW THE EXISTING OR PROPOSED SURFACE ELEVATION, WHICHEVER IS HIGHER.

A MINIMUM VERTICAL CLEARANCE OF 1.5' SHALL BE PROVIDED BETWEEN THE PROPOSED SANITARY SERVICE AND EXISTING UTILITIES OR STRUCTURES UNLESS OTHERWISE NOTED ON THESE PLANS.

ALL PVC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION IN CONFORMANCE WITH THE REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT VERSION.

PIPE FOR ALL 6" SANITARY SERVICES SHALL BE PVC SEWER PIPE ASTM D-3034, SDR-35. THE SERVICES SHALL BE FIELD TESTED BY THE INFILTRATION, EXFILTRATION OR AIR TEST.

ALL PIPES SHALL BE LAID WITH TYPE 1 GRANULAR MATERIAL BEDDING AND BACKFILL AS SHOWN ON STANDARD CONSTRUCTION CITY OF COLUMBUS AA-5151. INSTALLATION SHALL CONFORM TO CMS SECTION 900.

STORM SEWER NOTES:
ANY PLACEMENT OF STORM SEWERS BENEATH EXISTING OR PROPOSED PAVEMENT SHALL BE BACKFILLED IN ACCORDANCE WITH COLUMBUS CMS ITEM 912, COMPACTED GRANULAR BACKFILL.

ALL PIPES SHALL BE LAID WITH TYPE 1 GRANULAR MATERIAL BEDDING AND BACKFILL AS SHOWN ON STANDARD CONSTRUCTION CITY OF COLUMBUS AA-5151. INSTALLATION SHALL CONFORM TO CMS SECTION 901.

ALL CONCRETE PIPE AND STORM SEWER STRUCTURES SHALL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE AND/OR STORM STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEETS THEIR SPECIFICATIONS. PIPE AND STRUCTURES WITHOUT PROPER IDENTIFICATION WILL NOT BE PERMITTED FOR INSTALLATION.

ALL CURB INLETS AND MANHOLES SHALL BE CHANNIELED AS DIRECTED. THE COST FOR THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR VARIOUS STORM SEWER ITEMS.

IN CASE OF CONFLICT IN GRADE BETWEEN WATER LINES AND STORM SEWERS, THE WATER LINES SHALL BE LOWERED DURING CONSTRUCTION.

ALL PLASTIC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION IN CONFORMANCE WITH THE REQUIREMENTS OF COLUMBUS CMS ITEM 801.

MAINTENANCE OF TRAFFIC:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND AND AWAY FROM THE CONSTRUCTION SITE AS DESIGNATED IN SECTION 60.91 OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

THE SAFETY OF PEDESTRIAN TRAFFIC SHALL BE CONSIDERED AT ALL TIMES IN THE PROVISION OF TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS AND NOTES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE LIGHTS, SIGNS, BARRICADES AND OTHER WARNINGS TO PHYSICALLY SEPARATE THE PEDESTRIAN FROM HAZARDOUS INCIDENTAL TO THE CONSTRUCTION OPERATIONS SUCH AS OPEN EXCAVATIONS, ETC.

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERRECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR CONSTRUCTION AND MAINTENANCE OPERATIONS. ALL DEVICES SHALL MEET FP-95 REFLECTANCE STANDARDS AND IN FULL COMPLIANCE WITH "QUALITY STANDARDS FOR WORK ZONE TRAFFIC CONTROL DEVICES" PUBLISHED BY AITSSA. ALL TRAFFIC CONTROL DEVICES MUST MEET NCHRP 350.

STEADY BURNING, TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT. ALL SIGNS, NINE SQUARE FEET (9' X 36") AND OVER SHALL HAVE YELLOW TYPE "A" LOW INTENSITY FLASHING WARNING LIGHTS AND THREE FLAGS. CONES ARE NOT APPROVED FOR USE AT NIGHT.

THE ROADWAY SHALL NOT BE OPENED TO TRAFFIC UNTIL PERMANENT TRAFFIC CONTROLS ARE IN PLACE OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE INSPECTOR ARE INSTALLED. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING THE CONSTRUCTION. PERMANENT TRAFFIC CONTROLS NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROLS SHALL BE REPLACED IMMEDIATELY.

ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS SHALL BE MAINTAINED THROUGHOUT THE PROJECT BY THE CONTRACTOR. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, AND IMPROPERLY PLACED TRAFFIC CONTROL DEVICES.

ALL TRENCHES WITHIN THE ROAD RIGHT-OF-WAY SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

ALL LANES SHALL BE FULLY OPEN TO TRAFFIC ON ALL PUBLIC STREETS AND ALLEYS UNLESS OTHERWISE APPROVED BY THE CITY OF GAHANNA.

ANY WORK DONE BY THE CITY INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF THE NEGLIGENCE OF THE CONTRACTOR SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

CREEK FLOW MANAGEMENT:
PROJECT WORK SHALL BE RESTRICTED TO PERIODS OF DRY WEATHER AND LOW-FLOW OR NO-FLOW CONDITIONS.

THE CONTRACTOR SHALL MANAGE THE FLOW OF WATER THROUGH MCKENNA CREEK USING TEMPORARY COFFER DAMS, BYPASS PUMPING OR OTHER METHODS APPROVED BY THE CITY OF GAHANNA ENGINEER AS NECESSARY TO PROPERLY CONSTRUCT THE BANK STABILIZATION PROJECT.

NO CONSTRUCTION EQUIPMENT MAY BE PARKED OR STORED WITHIN THE CREEK DURING NON-WORKING HOURS.

CITY OF EXISTING SEWER:
CONTRACTOR SHALL CCTV INSPECT EX. 15" CLAY SANITARY SEWER WHICH RUNS UNDER PROJECT SITE BEFORE ANY RETAINING WALL CONSTRUCTION WORK BEGINS AND FOLLOWING COMPLETION OF PROJECT WORK. VIDEOS TO BE PROVIDED TO THE OWNER FOR REVIEW. COST OF CCTV INSPECTION TO BE PAID UNDER THE APPLICABLE PROJECT BID ITEM.

ANY DAMAGE TO THE EX. 15" CLAY SANITARY SEWER SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

SURPLUS EXCAVATION & EXCAVATED SEDIMENT MATERIAL. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION & SEDIMENT MATERIAL PROPERLY, I.E. CITY OF COLUMBUS ENVIRONMENTAL LANDFILL. THE CONTRACTOR SHALL PROVIDE A COPY OF THE SIGNED WRITTEN AGREEMENT BETWEEN THE CONTRACTOR AND LANDFILL BEFORE SUCH DISPOSAL OCCURS. THIS WRITTEN AGREEMENT SHALL CLEARLY STATE THE PURPOSE OF THE AGREEMENT AND INDICATE THE LANDOWNER'S PERMISSION FOR SUCH USE.

CITY OF COLUMBUS STANDARD DRAWINGS		
STANDARD DETAIL	DWG NUMBER	
CAST-IN-PLACE PIPE CULVERT HEADWALLS 8" - 36" DIAMETER	AA-5166	
PAVEMENT & UTILITY CUT REPAIR STANDARDS	1441	
TEMPORARY CONSTRUCTION ENTRANCES	2222	
STANDARD SIDEWALKS (ITEM 609) & SPECIFICATIONS	2300	
DRAIN TILE REPLACEMENT	L7002	

- CITY OF COLUMBUS STANDARD DRAWINGS CAN BE FOUND ONLINE AT:
<http://policies.columbus.gov/ordinance/policies.aspx?no=32165>
<http://utilities.columbus.gov/services/spec/>
<http://utilities.columbus.gov/services/spec/>

ESTIMATE OF QUANTITIES				
ITEM	UNIT	QUANTITY	DESCRIPTION	
201	L.S.	1	CLEARING AND GRUBBING	
201	EA	1	TREE REMOVED, 18-INCH SIZE	
203	C.Y.	41	EXCAVATION (REMOVAL OF SEDIMENT UNDER BRIDGE)	
203	C.Y.	30	COMPACTED CLAY	
204	S.Y.	178	SUBGRADE COMPACTON	
207	L.S.	1	GEOTEXTILE FABRIC	
459	C.Y.	12	CONCRETE, CLASS C	
601	C.Y.	9	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER	
601	C.Y.	22	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
608	S.F.	100	CONCRETE WALK, AS DIRECTED	
614	L.S.	1	MAINTAINING TRAFFIC	
623	L.S.	1	CONSTRUCTION LAYOUT STAKES	
624	L.S.	1	MOBILIZATION	
659	S.Y.	400	SEEDING AND MULCHING, HYDRO SEED	
659	C.Y.	11	TOPSOIL, 4"	
815	C.Y.	111	CRUSHED STONE OR GRAVEL	
SPEC.	EA	1	CAST-IN-PLACE CONCRETE HEADWALL	
SPEC.	L.F.	540	PRE AND POST CCTV OF 15" SEWER	
SPEC.	S.F. (FACE)	1330	PRECAST BLOCK RETAINING WALL	
SPEC.	L.F.	212	PERFORATED PVC DRAINAGE PIPE	
SPEC.	L.F.	1	BYPASS PUMPING/CREEK FLOW MANAGEMENT	
SPEC.	L.F.	150	FIELD TILE, UNDERDRAIN, CULVERT, DOWNSPOUT, SANITARY SEWER SERVICE, WATER LINE AND GAS LINE REPAIR/REPLACEMENT, AS DIRECTED	

ISSUED FOR BIDDING	DATE	BY
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ADDENDUM REVISIONS		
ADDENDUM NO	ADDENDUM DATE	BY

ISSUED FOR CONSTRUCTION	DATE	BY
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REVISIONS			
NO.	DESCRIPTION	DATE	BY

RECORD DRAWINGS	DATE	BY
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DRAFT

DESIGNED NTD	DATE	04/05/16
CHECKED JRK	JOB NO	60442058
SCALE	AS NOTED	

GENERAL NOTES

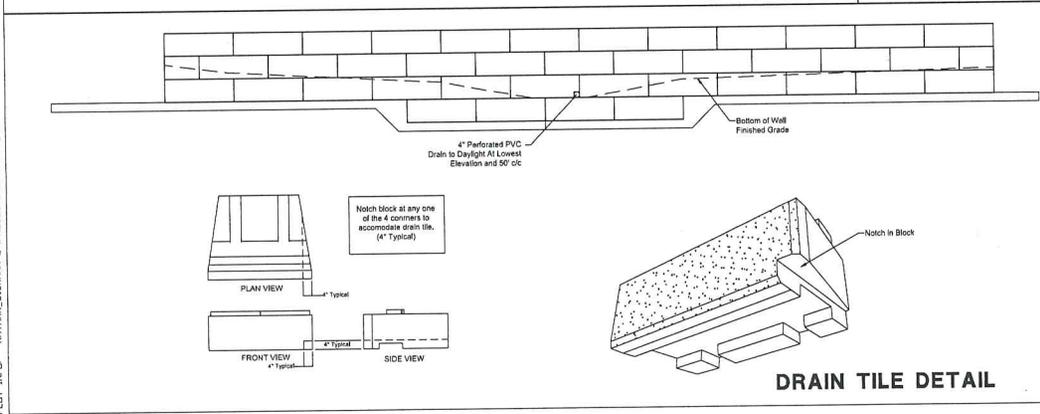
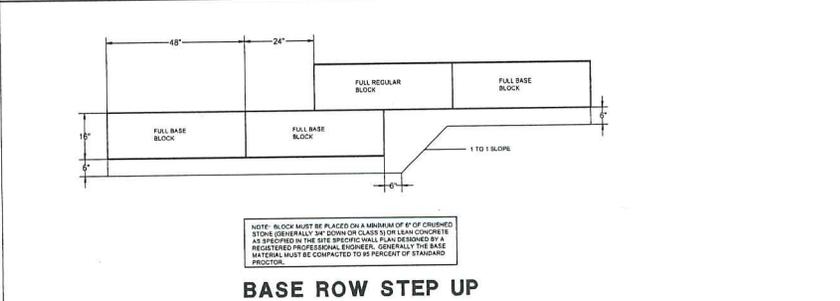
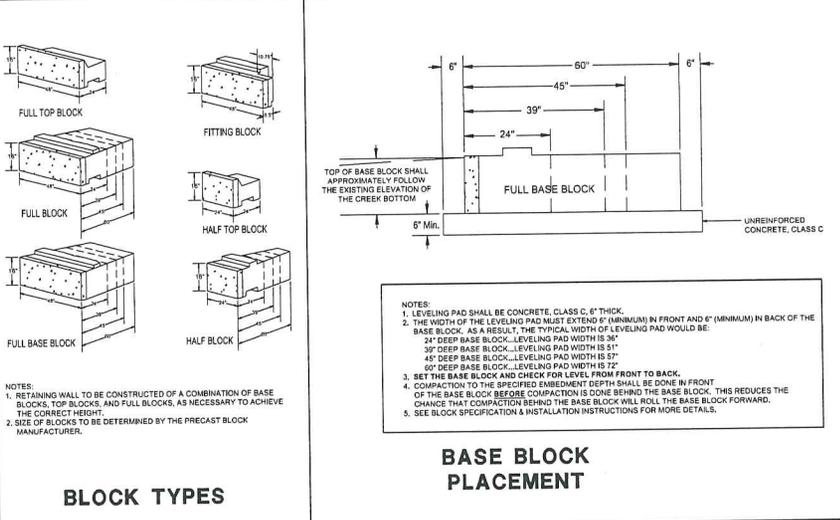
**CITY OF GAHANNA, OHIO
ACADEMY COURT
STREAM BANK
STABILIZATION PROJECT
PLAN # ST-1024**



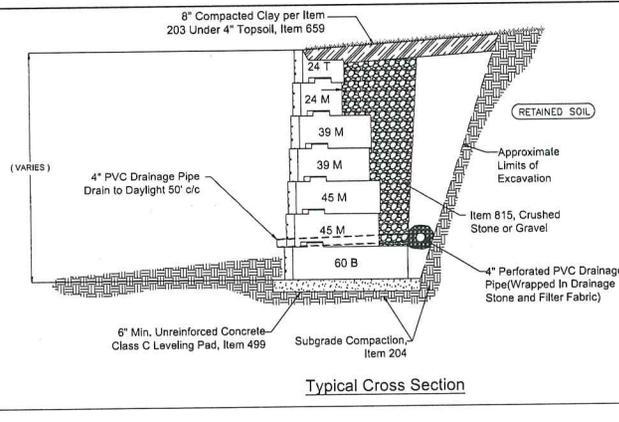
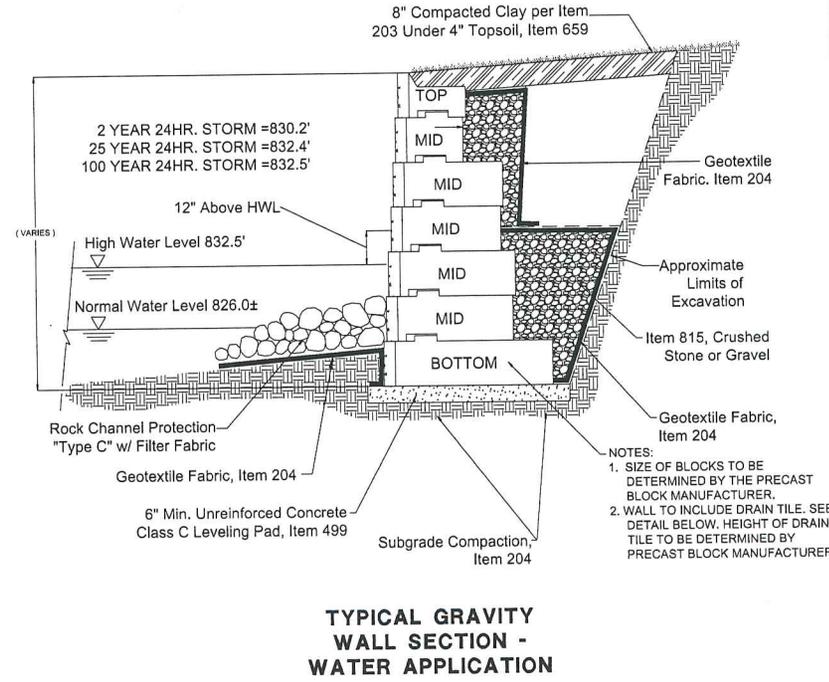
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 TIME: 10:15 AM
 USER: MATTHEW.BICKMAN

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STORM EVENT ELEVATIONS BASED ON THE AECOM MODEL, ACADEMY COURT BRIDGE HYDRAULIC ASSESSMENT DATED APRIL 17, 2015
 MODEL NAME/LOCATIONS
 MCKENNA CREEK_REV8_2YR_FIELD
 MCKENNA CREEK_REV8_25YR_FIELD
 MCKENNA CREEK_REV8_100YR_FIELD



ISSUED FOR BIDDING		DATE	BY
ADDENDUM REVISIONS			
ADDENDUM NO	ADDENDUM DATE	BY	
ISSUED FOR CONSTRUCTION			
DATE BY			
REVISIONS			
NO.	DESCRIPTION	DATE	BY
RECORD DRAWINGS			
DATE BY			
DRAFT			
DESIGNED NTD	DATE	04/06/16	
CHECKED JRK	JOB NO	60442058	
SCALE NOT TO SCALE			
PRECAST BLOCK DETAILS			
CITY OF GAHANNA, OHIO ACADEMY COURT STREAM BANK STABILIZATION PROJECT PLAN # ST-1024			
AECOM			
C-04			

GENERAL NOTES

CLEARING AND GRUBBING SHALL NOT COMMENCE UNTIL THE CONTRACTOR IS PREPARED TO START CONSTRUCTION.
 DISTURBED LAND EXPOSED LONGER THAN 15 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING AND MULCHING OR MULCHING ALONE.
 TRENCHES SHALL BE BACKFILLED IMMEDIATELY; COMPACT AND SEED AND/OR MULCH TRENCHES IN UNPAVED AREAS WITHIN 15 DAYS AFTER THEY HAVE BEEN OPENED.
 UNPAVED AREAS SHALL BE WET DOWN AS NECESSARY USING WATER DURING CONSTRUCTION TO MINIMIZE DUST.
 IF WORK IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION CONTROLS IN GOOD OPERATING CONDITION DURING THE SUSPENSION OF THE WORK. ALSO, WHEN SEASONAL CONDITIONS PERMIT AND THE SUSPENSION OF WORK IS EXPECTED TO EXCEED A PERIOD OF ONE MONTH, THE CONTRACTOR SHALL PLACE TOPSOIL, FINE GRADE, SEED, FERTILIZE, AND MULCH ALL DISTURBED AREAS LEFT EXPOSED WHEN WORK IS STOPPED.
 FOR DISTURBED AREAS REMAINING DORMANT OVER 21 DAYS, TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS.
 SEDIMENT CONTROLS SHALL BE INSTALLED/IMPLEMENTED WITHIN 7 DAYS OF GRUBBING ACTIVITIES.
 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.
 ALL MATERIALS TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOOD PLAIN, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS. EROSION CONTROL MEASURES AT THE DISPOSAL SITE MUST BE INSTALLED AND MAINTAINED UNTIL DISPOSAL IS COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED.
 NO TRENCH SHALL BE LEFT OPEN AT THE END OF THE WORKDAY.
 CONSTRUCTION EQUIPMENT SHALL BE PROVIDED WITH INTAKE SILENCERS AND MUFFLERS, AS REQUIRED BY SAFETY STANDARDS. ALL CONSTRUCTION VEHICLES SHALL BE EQUIPPED WITH PROPER EMISSIONS CONTROL EQUIPMENT.
 ALL EQUIPMENT AND MACHINERY SHALL BE MAINTAINED TO MINIMIZE EXHAUST EMISSIONS AND NOISE.
 SOIL AND OTHER MATERIAL SHALL NOT BE STORED NEXT TO OR WITHIN THE DRIP-LINE OF TREES.
 PRESERVATION OF LANDSCAPING SHOULD TAKE PRECEDENCE OVER REMOVAL. IF REMOVAL OR DAMAGE IS UNAVOIDABLE, EXISTING VEGETATION SHALL BE REPAIRED OR REPLACED "IN-KIND" UNLESS THE LANDOWNER SPECIFIES OTHERWISE.
 THE CONTRACTOR SHALL REPAIR ALL INJURIES TO BARK, TRUNKS, LIMBS, AND ROOTS OF REMAINING VEGETATION BY PROPERLY DRESSING, CUTTING, AND BRACING, USING ONLY APPROVED TREE SURGERY METHODS, TOOLS, AND MATERIALS. WHEN ROOTS ARE DAMAGED DURING EXCAVATION, THE ABOVEGROUND PORTION OF THE TREE SHALL BE PRUNED TO COMPENSATE.
 SELECTIVE PRUNING OF TREE LIMBS PRIOR TO CONSTRUCTION SHALL ONLY BE DONE WITHIN ESTABLISHED EASEMENTS WHERE REMOVAL IS NECESSARY FOR OPERATION OF EQUIPMENT.
 SILT FROM CONSTRUCTION SITES SHALL NOT BE PERMITTED TO ENTER STORM SEWERS. WHEN CONSTRUCTION OCCURS NEAR STORM SEWER INLETS, EROSION CONTROL MEASURES SUCH AS INLET FILTERS SHALL BE USED TO PREVENT SILT FROM ENTERING THE STORM SEWERS.
 ALL WATER SHALL BE CONVEYED FROM THE CONSTRUCTION SITE IN A CLOSED CONDUIT. DO NOT USE TRENCH EXCAVATIONS AS TEMPORARY DRAINAGE DITCHES.

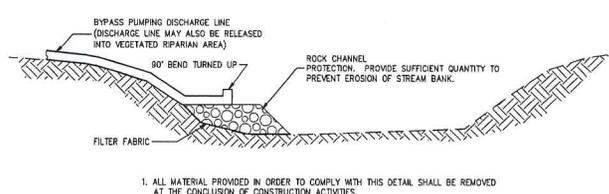
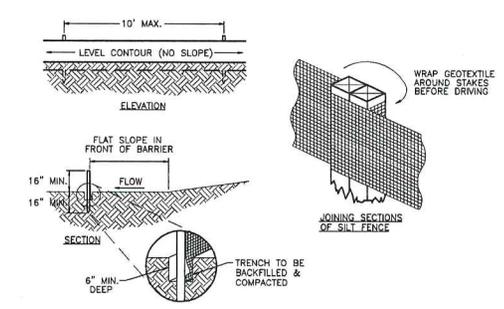
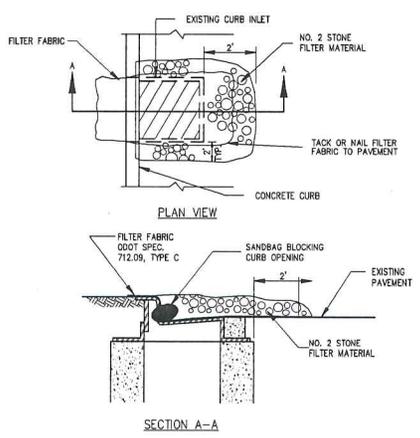
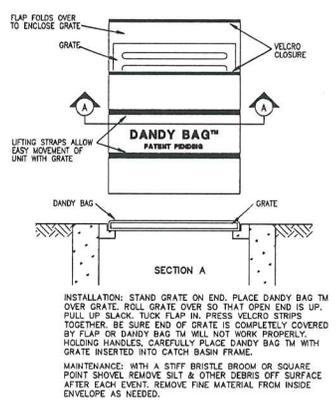
PROHIBITED CONSTRUCTION ACTIVITIES

DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL OR TREES, BRUSH, AND OTHER DEBRIS IN ANY STREAM CORRIDOR, ANY WETLANDS, ANY SURFACE WATERS, OR AT UNSPECIFIED LOCATIONS.
 STOCKPILING MATERIALS OR STORING CONSTRUCTION EQUIPMENT AND VEHICLES ON PROPERTY NOT SPECIFIED ON THE PLANS BY THE ENGINEER FOR SUCH PURPOSES.
 INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY STREAM CORRIDORS, ANY WETLANDS, AND SURFACE WATERS, OR OUTSIDE THE EASEMENT LIMITS.
 PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS DIRECTLY INTO ANY SURFACE WATERS, ANY STREAM CORRIDORS, ANY WETLANDS, OR STORM SEWERS; ALL SUCH WATER SHALL BE PROPERLY FILTERED OR SETTLED TO REMOVE SILT PRIOR TO RELEASE.
 DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWAGE, OR OTHER HARMFUL WASTE INTO OR ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS, OR INTO ANY NATURAL OR MAN-MADE CHANNELS.
 PERMANENT OR UNSPECIFIED ALTERATION OF THE FLOW LINE OF ANY STREAM.
 DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.
 DISCHARGING INJURIOUS SILICA DUST CONCENTRATIONS INTO THE ATMOSPHERE RESULTING FROM BREAKING, CUTTING, CHIPPING, DRILLING, BUFFING, GRINDING, POLISHING, SHAPING OR SURFACING CLOSER THAN 200 FEET TO PLACES OF RESIDENCES OR COMMERCIAL, PROFESSIONAL, QUASI-PUBLIC, OR PUBLIC PLACES OF HUMAN OCCUPATION.
 RUNNING WELL POINT OR PUMP DISCHARGE LINES THROUGH PRIVATE PROPERTY OR PUBLIC PROPERTY AND RIGHTS-OF-WAY WITHOUT THE WRITTEN PERMISSION OF THE PROPERTY OWNER AND THE CONSENT OF THE OWNER.
 OPERATIONS ENTAILING THE USE OF VIBRATORY HAMMERS OR COMPACTORS OUTSIDE THE HOURS OF 8:00 A.M. AND 5:00 P.M. OR OUTSIDE THE HOURS ALLOWED FOR CONSTRUCTION BY LOCAL ORDINANCES OR REGULATIONS.
 CLOSING OFF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE, OR BOULEVARD WITHOUT THE PRIOR CONSENT OF MUNICIPAL OFFICIALS AND THE ENGINEER, AND CLOSING CLEAR ACCESS:
 BY FIRE PROTECTION EQUIPMENT AND EMERGENCY VEHICLES;
 BY THE PUBLIC TO ANY COMMERCIAL OR PROFESSIONAL PLACE OF BUSINESS, QUASI-PUBLIC OR PUBLIC ESTABLISHMENT, OR RESIDENCE
 DISPOSAL OF TOXIC OR HAZARDOUS WASTES INTO STORMDRAINS, SEPTIC TANKS, OR BY BURYING, BURNING, OR MIXING THE WASTES.
 USING ANY SUBSTANCE OTHER THAN WATER TO CONTROL DUST.

SEDIMENT & EROSION CONTROL NOTES

THE CLEANUP AND DISPOSAL OF EXCESS EXCAVATED MATERIALS SHALL BE DONE AS SOON AS PRACTICAL AND AS THE PROJECT ENGINEER MAY DIRECT.
 STRAW BALES, SILT FENCES, OR OTHER FILTERING DEVICES SHALL BE MAINTAINED AT AREAS OF STOCKPILED MATERIALS, EXCAVATED AREAS, CATCH BASINS, AND OTHER STORM WATER INLET STRUCTURES IN CONSTRUCTION AREAS TO CONTROL SILT RUNOFF.
 ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS.
 ALL DEWATERING AREAS SHALL BE KEPT FREE OF SILT, SEDIMENTS, DEBRIS, AND OTHER POLLUTANTS THROUGH APPROPRIATE MEANS (SETTLING BASINS, FILTER, ETC.); FOLLOWING THIS, THE FLOWS SHALL ONLY BE RELEASED DIRECTLY INTO STORM SEWERS, STREAM CHANNELS, TO OTHER STABILIZED DRAINAGE COURSES AND NOT ONTO EXPOSED SOILS, STEEP SLOPES OR ANY OTHER SITE WHERE FLOWS COULD CAUSE FURTHER EROSION.

ISSUED FOR BIDDING		DATE	BY
ADDENDUM REVISIONS			
ADDENDUM NO.	ADDENDUM DATE	BY	
ISSUED FOR CONSTRUCTION		DATE	BY
REVISIONS			
NO.	DESCRIPTION	DATE	BY



PLOT INFO: NATHAN_BUCKMAN_L:\PROJECTS\56144\ERISE_GAHANNA\CIVIL\LOAD DRAWING\04/06/16_3:28PM_LTE 1.P
 PROJECT: NATHAN_BUCKMAN_L:\PROJECTS\56144\ERISE_GAHANNA\CIVIL\LOAD DRAWING\04/06/16_3:28PM_LTE 1.P

DRAFT

RECORD DRAWINGS	DATE	BY
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DESIGNED NTD	DATE	04/06/16
CHECKED JRK	JOB NO	60442058
SCALE: AS NOTED		

EROSION AND SEDIMENT CONTROL NOTES

CITY OF GAHANNA, OHIO
 ACADEMY COURT
 STREAM BANK STABILIZATION PROJECT
 PLAN # ST-1024

AECOM
 C-05



Academy Court Stream Restoration Project

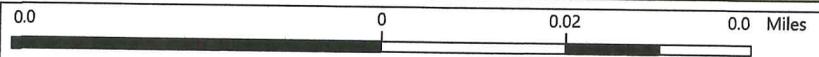


Legend

- Addresses
- + Railways
- Franklin County Centerlines
 - Streets
 - State Routes
 - US Routes
 - Interstates
- Buildings Outlines
- Building Shadows
- Roadways
- Water Bodies
- GAHANNA.SDE.franklin_coun
 - Blendon Township
 - Brown Township
 - City of Bexley
 - City of Columbus
 - City of Dublin
 - City of Grandview Heights
 - City of Grove City
 - City of Hilliard
 - City of New Albany
 - City of Pickerington
 - City of Reynoldsburg
 - City of Upper Arlington
 - City of Westerville
 - City of Whitehall
 - City of Worthington
 - Clinton Township
 - Franklin Township
 - Hamilton Township
 - Jackson Township
 - Jefferson Township
 - Madison Township
 - Mifflin Township

Notes

Exhibit for Floodplain Permit Application



WGS_1984_Web_Mercator_Auxiliary_Sphere
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